Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

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1.0 Introduction

SLR Consulting (Canada) Ltd. (SLR) was retained by Dundalk Village Two Inc. to conduct a Hydrogeological Assessment in support of a Draft Plan of Subdivision and future Site Plan for the proposed Dundalk Northeast residential subdivision located in Dundalk, Ontario (referred to as the "Site"). The Site includes two residential properties (772350 and 772288 Hwy 10), as well as one currently undeveloped property located on Lot 225, Concession 1 (**Figure 1**). The Site is bounded by Highway 10 to the northeast, Grey Country CP rail trail to the southwest, and is found approximately 600 m northwest of Main St East and approximately 600 m northwest of Ida Street.

These lands fall within a larger area currently subject to an approved Ministerial Zoning Order (MZO). The development of these subject lands will be phased.

Although the current submission is for the western portion of the property, known as Glenelg Phase 3 Development, this report provides details of the entire Site. It is understood that the proposed Glenelg Phase 3 development will contain single detached and semi-detached lots, as well as townhouse units. There will also be areas of open space, a stormwater management (SWM) pond, and a park. The overall development is expected to have complete municipal servicing, and paved access / site roadways. A copy of the proposed development plan is provided in **Appendix A**.

The objective of the Hydrogeological Assessment is to characterize the hydrogeological Site-specific conditions, identify any hydrogeological constraints to development and potential impacts of development on natural heritage features, and guidance on how to mitigate these impacts. This is completed through a review of relevant geologic and hydrogeologic information available through public records for the area or collected through borehole drilling and groundwater monitoring and sampling efforts.

While this report will form the basis for a comprehensive Hydrogeological Assessment Report, it currently does not include a detailed characterization of the existing hydrogeological conditions or a complete analysis of potential impacts. Appropriate field investigations are still being undertaken in support of the hydrogeology assessment. When studies are complete, the data will be interpreted and presented in the comprehensive report.

The purpose of this Preliminary Hydrogeological Assessment Report is to:

• Present hydrogeological study approach, preliminary existing condition findings, and review components of the proposed development plan.

The purpose of the forthcoming detailed Hydrogeological Assessment Report, to be prepared following the completion of field investigations and data analysis/interpretation, is to:

- Characterize existing conditions
- Identify any hydrogeological constraints to development; and,
- Provide hydrogeological guidance to implementing the residential housing development.

1.1 Scope of Work

SLR completed this hydrogeologic investigation to collect Site-specific information such as depth to groundwater elevations, groundwater flow, soil stratigraphy, and hydrogeological conditions to help inform the engineering design.

The scope of work consisted of:



- Review of previous studies for information concerning geologic conditions in the Site;
- Drilling and installation of monitoring wells at select locations on Site;
- Installation of mini-piezometers at select locations within identified wetlands;
- In-situ hydraulic conductivity testing;
- Water level monitoring; and,
- Compilation of water users by searching the MECP WWR database for active groundwater wells located on the Site, or within a 500 metre (m) radius from the Site boundary.

As indicated above, some of the field investigations are still being undertaken in support of the Hydrogeological Assessment.



2.0 Site Description

2.1 Site Location and Description

The proposed Dundalk Northeast residential subdivision lies on lands legally described as Lots 223, 224, 225, 226 and 227, Concessions 1 and 2 Southwest of the Toronto and Sydenham Road, Geographic Township of Proton, Township of Southgate, County of Grey (herein referred to as the "Site"). The Site is bounded by Highway 10 in the northeast, Grey Country CP Rail Trail to the southwest, and is found approximately 600 m northwest of Main St E and approximately 600 m northeast of Ida Street. The area surrounding the property is occupied by agricultural lands and rural residential, with a woodlot and associated wetland along the northern portion of the Site.

2.2 Proposed Development

Although this Preliminary report discusses hydrogeological conditions across the entire Site, the current phase of the development only includes the western most parcel (Lots 225 and 226, Concession 2), known as "Glenelg Phase 3". The proposed Glenelg Phase 3 residential subdivision measures approximately 33 ha in size. The footprint includes 369 single detached lots, 18 semi-detached lots, and 72 townhouse units. It also includes a 1.39 ha SWM pond in the western portion of the Site boundary, walkways, trails, open space, and a park. A copy of the proposed development plan is provided in **Appendix A**.

2.3 Topography and Drainage

The Site is gently undulating with a gentle decrease in ground surface elevation from north to south. A topographic high of 532 metres above sea level (masl) is located near the north end of the Site, with a topographic low of 517 masl at the southwestern boundary and through the centre of the property near the woodlot and wetland area (**Figure 2**).

The Site is located on a drainage divide between the Saugeen River Watershed (SRW) and Grand River Watershed (GRW), which are governed by the Saugeen River Conservation Authority (SRCA) and Grand River Conservation Authority (GRCA), respectively. The undulating topography at the Site is due to the presence of several drumlins present at the Site, with water generally draining between each drumlin. A number of small unnamed tributaries are present at the Site, two that drain towards the northwest (within the SRW), located at the north and south ends of the Site, and one that drains offsite towards the south (GRW) at the eastern portion of the Site within a wetland. There are also unevaluated wetlands located on the Site. An evaluation of the wetlands will be completed as part of the Environmental Impact Study (EIS), to be provided under separate cover.



3.0 Methodology

3.1 Installation of New Monitors

Sixteen (16) boreholes were advanced at select locations across the Site between April and May 2022. The boreholes were drilled using a track-mounted drill rig with 9" outer diameter hollow stem auger. A record of geological and hydrogeological conditions was logged during drilling using a split spoon sampler at approximately 0.76 m intervals down to the targeted depth of the monitoring well. At each borehole location, the soil stratigraphy and classification, moisture content, colour, appearance, soil structure (presence of laminations, heterogeneity, soil weathering, etc.), and odour was noted in general accordance with the Unified Soil Classification System.

All borehole locations were completed as monitoring wells. At five (5) of these locations, nested monitoring wells consisting of a shallow and deep counterpart, were installed. The monitoring wells were constructed with a 50-millimetre (mm) diameter polyvinyl chloride (PVC) well pipe. In general, the monitoring wells were constructed with No. 10 slotted PVC screen approximately 1.5 m long. Monitor MW22-306D was constructed with a 3.0 m long screen as it was screened within the clayey silt material. A sand pack was placed around and slightly above the well screen, and the remaining upper portion of the borehole was sealed with bentonite. A steel monument casing was installed over the well at each monitoring location. Upon completion of the monitoring wells, the monitors were tagged registered with the MECP as required by Ontario Regulation (O. Reg.) 903, as amended. Details of the monitoring wells are depicted in **Figure 3**, and borehole logs are provided in **Appendix B**.

Six (6) nested pairs of piezometers, for a total of twelve (12) mini-piezometers (MP1-S/D through MP6-S/D) were installed within the wetland areas. The mini-piezometers were installed to assess groundwater-surface water interactions within the wetland.

The mini-piezometers were constructed with a 19 mm diameter steel pipe threaded onto an approximately 0.33 m long screened drive point piezometer Solinst tip, and were installed to the targeted depth through direct push. A pilot hole was not advanced prior to the installation; as such, the screened material at each mini-piezometer location is unknown. The construction details of the mini-piezometers are provided in **Table 3-2**, and the location of the mini-piezometers are shown on **Figure 3**.



Monitor	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Screen Interval (masl)	Screened Material
MW22-301	531.0	531.9	523.4-521.9	Sandy SILT
MW22-302	522.6	523.6	518.1-516.5	Silty SAND to Sandy Silt TILL
MW22-303	518.4	519.2	513.8-512.3	Silty SAND to Sandy SILT TILL
MW22-304	523.5	524.4	519.4-517.9	Silty SAND TILL to SAND and SILT
MW22-305	523.7	524.8	519.2-517.6	Silty SAND TILL
MW22-306-S	522.9	523.7	519.8-518.3	Silty SAND to Sandy Silt TILL
MW22-306-D	522.8	523.7	516.8-513.8	Silty SAND TILL
MW22-307-S	528.7	528.0	523.4-521.9	Silty SAND TILL
MW22-307-D	527.9	528.8	519.4-517.9	Silty SAND TILL
MW22-308-S	522.2	523.2	520.7-519.2	Silty SAND to Sandy Silt TILL
MW22-308-D	522.4	523.2	518.4-516.9	Silty SAND TILL
MW22-309-S	521.9	522.8	517.3-515.8	Silty SAND TILL
MW22-309-D	521.8	522.9	512.7-511.2	Silty SAND TILL
MW22-310	523.2	524.3	515.6-514.1	Silty SAND TILL
MW22-311	521.1	521.9	513.6-512.0	Silty SAND TILL
MW22-312	520.6	521.7	517.6-516.0	Gravelly SAND
MW22-313-S	520.0	520.9	515.6-514.1	SAND to Silty SAND TILL
MW22-313-D	520.0	521.1	510.9-509.3	Silty SAND TILL
MW22-314	517.3	518.3	512.7-511.2	Gravelly SAND
MW22-315	518.8	519.7	508.1-506.6	Silty SAND TILL
MW22-316	520.1	521.0	512.5-510.9	Silty SAND TILL

Table 3-1: Monitoring Well Details



Monitor	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Screen Interval (masl)
MP1-S	516.9	517.8	516.2-515.9
MP1-D	516.9	518.2	514.9-514.6
MP2-S	519.8	521.1	518.9-518.6
MP2-D	519.8	521.3	518.0-517.7
MP3-S	517.1	517.6	516.4-516.1
MP3-D	517.8	517.0	515.3-515.0
MP4-S	523.6	524.2	523.0-522.6
MP4-D	523.6	524.4	521.9-521.6
MP5-S	522.8	524.0	522.1-521.7
MP5-D	522.7	523.9	521.0-520.7
MP6-S	520.9	522.1	520.2-519.9
MP6-D	520.9	522.1	519.2-518.9

Table 3-2: Mini-Piezometer Details

3.2 Monitoring Well Development

Following installation, the monitoring wells were developed using dedicated tubing fitted with Waterra inertia foot valves. The monitoring wells were developed to remove any soil fines that may have infiltrated into the monitoring well and its surrounding sand pack during the installation process, and to improve the hydraulic connection between the well and geologic materials. Due to slow recovery, each well was purged dry and allowed to recover. Water was subsequently removed from the monitoring well until discontinuous flow was produced for a second time.

3.3 In-Situ Hydraulic Conductivity

In-situ hydraulic conductivity tests were completed in select monitoring wells to establish the permeability (hydraulic conductivity) of the formation in which the wells are screened. Hydraulic conductivity is a parameter that describes the ability of soil to allow water to move through it. The lower the hydraulic conductivity, the less water will be able to move through. Aquifers, such as sandy or gravelly soils, typically have a hydraulic conductivity of 10^{-6} metres per second (m/s) or greater, whereas aquitards (clay or dense silt) have a hydraulic conductivity of 10^{-8} m/s or less.

The testing involved the slug test method, whereby a slug of known volume was removed (rising head test) from each well. The water levels were recorded during the addition, removal, and recovery stages of the slug test using a Diver datalogger temporarily installed in the monitor. The in-situ hydraulic conductivity test was completed once the water level recovered to 90% of static conditions. The slug tests were analyzed in AQTESOLV using the Bouwer-Rice method (1976) for unconfined aquifers.



3.4 Water Level Monitoring

Groundwater levels were manually collected in each accessible monitor using a Solinst water level meter to collect baseline data prior to Site development. Water levels were collected on a quarterly basis commencing on May 13, 2022, with the most recent event occurring on July 13, 2022. The surface water level and groundwater elevation were measured at the mini-piezometer locations to assess groundwater-surface water interactions within the wetland area.

To support a more comprehensive understanding of the Site, select monitoring wells and mini-piezometers were instrumented with automated Diver dataloggers to obtain continuous groundwater level readings at 12-minute intervals. A barologger was also deployed coincident with the Diver datalogger to measure changes in atmospheric pressure. Continuous water level measurements provide additional insight into the groundwater regime, particularly in response to precipitation events, as well as high-water level conditions. The dataloggers are downloaded every four (4) months while completing manual water level measurements on-Site.



4.0 Results

4.1 Geologic Setting

4.1.1 Physiography

The Site lies within the Dundalk Till Plain physiographic region of southern Ontario (Chapman and Putnam, 1984). The Dundalk Till Plain is a gently undulating, partially drumlinized and fluted surface, where the long axis of the drumlins are oriented in a southeastward direction. The Dundalk Till Plain supports extensive wetland complexes due to the presence of poorly drained depressions.

4.1.2 Surficial Geology

Based on a review of the Ontario Geological Survey mapping (OGS, 2010), the surficial geology of the Site is primarily Elma Till, which is characterized as a stone-poor sandy silt to silty sand till. The wetland found along the western portion of the Site is mapped to consist of glaciofluvial sandy river deposits, with minor organic deposits located within wetland areas.

Surficial geology of the Site was also characterized by advancing boreholes at select locations across the property. Borehole logs are provided in **Appendix B**. Geological cross-sections of the Site, as indicated in **Figure 5**, are presented in **Figure 6** and **Figure 7**. Based on the results of the drilling program, a relatively thin (1–2 m thick) silty sand unit was located at surface overlain by topsoil. A till unit was found underlying the silt to silty sand unit. The till unit is composed of sandy silt to silty sand material and was located at approximately 515.8 (MW22-314) masl to 525.6 (MW22-307) masl. Interbedded within the till unit are discontinuous sand to sandy gravel lenses. The upper 3 to 5 m of the till unit is weathered, and shows root structures, fractures, and oxidized soils. This more permeable weathered soil hosts the water table, primarily due to poor drainage to depth. The glacial till is estimated to be approximately 35 m thick underneath the Site. The glacial till material serves as an aquitard protecting the underlying bedrock aquifer due to its low permeability and substantial thickness.

4.1.3 Bedrock Geology

Boreholes advanced across the Site were terminated once the targeted depth of the shallow monitoring wells were reached. As such, bedrock was not encountered during drilling. However, a review of the MECP WWR database indicates that the bedrock in the area lies between 22 mbgs (MECP well ID 2506475) to 36 mbgs (MECP well ID 2515624). The bedrock consists mostly of dolostone/limestone, likely from the Guelph Formation.

Source Protection documents from the Grand River Conservation Authority indicates that the bedrock is composed of 88 m of both the Guelph Formation and the Gasport Formation (Lake Erie Region Source Protection Committee, 2021). The Guelph Formation consists of porous, fine to medium crystalline, medium to massive irregularly bedded dolostone (Armstrong, 2010). The underlying Gasport Formation consists of thick- to massive-bedded, fine to coarse-grained dolostone and dolomitic limestone (Armstrong, 2010).



4.2 Hydrogeologic Setting

4.2.1 Site-Specific Groundwater Monitoring

Groundwater level measurements were recorded at each accessible monitoring well and mini-piezometer location commencing in May 2022 with the most recent event occurring in July 2022. Monitors MP1 S/D, MP4 S/D, MP5 S/D, MW22-302, MW22304, MW22306 S/D, MW22-309S, MW22-313 S/D and MW22-316 were instrumented with Diver dataloggers to collect continuous water level measurements at 12-hour intervals. Groundwater elevations measured within the monitoring wells and mini-piezometers are provided in **Table C-1 to C-2**, **Appendix C**, and hydrographs are provided in **Appendix C**. Logger data for MW22-313 S/D was unavailable between June 3 and June 14 as the logger was temporarily removed from the well. Logger data is also periodically unavailable between June 27 and July 4 at all monitoring wells due to hydraulic conductivity testing.

Groundwater elevations across the Site fluctuated between May and July 2022. During the May 2022 (spring) monitoring event, water levels in the monitoring wells ranged between 0.16 mbgs (MW22-301) and 4.87 (MW22-313D). In comparison, water levels during the July 2022 (summer) event ranged between 1.03 mbgs (MW22-312) and 3.96 mbgs (MW22-315). Groundwater levels generally remained in the upper 4 m.

As shown in **Appendix C**, groundwater elevations showed some fluctuation between May and July of 2022. Groundwater elevations were highest in early June and began to decline into drier summer month of July. MW22-313D showed a slower response to development and hydraulic testing reaching periodic static groundwater elevations between 518.5 masl and 519.0 masl.

The interpreted groundwater contours for spring 2022, representing a generally high water table position, are presented in **Figure 8**. Water levels during spring conditions is of particular interest as it typically represents the highest groundwater elevations and will therefore inform the engineering design of residential development. The interpreted groundwater flow direction is primarily in southwesterly direction along the west portion of the Site and a southeasterly direction along the east portion of the Site. There is a watershed drainage divide that runs through the centre of the Site in a north-south direction separating the two directions of groundwater flow.

The horizontal component of groundwater flow travels in the surficial sand, silty sand, sand and gravel, and weathered upper till. Vertical hydraulic gradients were not assessed at this stage of investigation as further data collection is required. In addition, an investigation of groundwater-surface water interactions within the wetlands will be assessed as part of the detailed Hydrogeological Assessment Report.

4.2.2 In-Situ Hydraulic Conductivity

In-situ hydraulic conductivity tests were completed at six groundwater monitoring wells at the Site. The results of the hydraulic conductivity tests are provided in **Error! Reference source not found.**, and the AQTESOLV analysis are provided in **Appendix D**.



Monitor ID	Hydraulic Conductivity (m/s)	Screened Strata	
MW22-306S	1.4 x10 ⁻⁸	Silty SAND to Silty SAND TILL	
MW22-306D	7.6 x10 ⁻⁸	Silty SAND TILL	
MW22-309S	1.0 x10 ⁻⁸	Silty SAND TILL	
MW22-313S	2.2 x 10 ⁻⁷	Silty SAND TILL	
MW22-313D	7.6 x 10 ⁻¹⁰	SAND to Sandy SILT TILL	
MW22-316	2.6 x 10 ⁻⁷	Silty SAND TILL	

The geometric mean hydraulic conductivity for the five (5) tested monitoring wells is 5.7×10^{-8} m/s, with a measured range of 2.2×10^{-7} to 1.4×10^{-8} m/s. This corresponds to the upper weathered portion of the glacial till. Monitor MW22-313D was screened deeper in the unweathered glacial till aquitard and was found to have a hydraulic conductivity 30 times lower than the upper material at 7.6×10^{-10} m/s. The results are consistent with those reported by Freeze and Cherry (1979) for similar soils, and for soils located on the Dundalk Phase 2 development area which is situated immediately south of Dundalk Phase 3.

4.2.3 MECP Water Well Record Database

Well records from the MECP WWR database were reviewed to assess the stratigraphy and water use of wells located within a 500 m radius of the Site. The location of the wells are shown in **Figure 9**, and a summary is provided in **Appendix E**. Copies of the well records are provided in **Appendix E**.

Forty-nine (49) MECP wells were identified within 500 m of the property. Twenty-five (25) of those wells were for water supply purposes, thirteen (13) were observation/monitoring wells or test holes, nine (9) were noted to be abandoned and two (2) wells were without a noted water use. None of the water supply wells were noted to be less than 10 m in depth. The wells were screened within one of two units: the upper overburden aquifer and the deeper bedrock aquifer.

Several local residential wells tap into the upper 10 m of the bedrock, with the bedrock surface generally at about 22 to 36 mbgs. Based on the pumping rate, a sufficient water supply is available within the bedrock aquifer.

The bedrock aquifer is composed of both the Guelph Dolostone Formation and the underlying Gasport Dolostone Formation. The upper bedrock is inferred to be of low permeability, and the municipal production zone lies in the middle of the sequence. Municipal well D4 is found approximately 460 m southeast of the Site boundary, and D3 and D5 to the southeast approximately 1020 m and 1225 m, respectively (**Figure 9**). Several local residential wells also tap a sand and gravel deposit that overlies the bedrock. This deposit is laterally discontinuous, as it is not present at many locations.

4.2.4 Source Protection

Source Protection Plans (SPPs) have been implemented throughout the region to protect drinking water resources, as mandated by the *Ontario Clean Water Act* (OCWA), 2006. The susceptibility of an aquifer to contamination is evaluated to identify the most vulnerable areas surrounding a drinking water source. There are four (4) types of vulnerable areas as defined by the *Clean Water Act, 2006*:



- Highly vulnerable aquifer (HVA): aquifers in which an external source is likely to have a significant adverse effect, this includes the land above the aquifer;
- Significant groundwater recharge area (SGRA): an area in which it is necessary to regulate or monitor drinking water threats, that could affect the recharge of an aquifer;
- Surface water intake protection zone (IPZ): an area related to a surface water intake area in which it is necessary to regulate or monitor drinking water threats; and
- Wellhead protection area (WHPA): an area related to a wellhead, within which it is necessary to regulate or monitor drinking water threats.

The Site is within both the Saugeen River Source Protection Plan and the Grand River Source Protection Region, and the Approved Source Protection Plans for these areas have identified the eastern and southeastern portions of the Site are within either a WHPA-C or WHPA-D, representing a capture zone time frame of between 2 to 25 years (**Figure 10**).

The majority of the wetlands are located within a SGRA with a vulnerability rating between 2 and 6 (Figure 11) the most vulnerable wetland being the one located on the west side of the Site near MP1.

Groundwater and surface water resources within a SGRA or WHPA are relatively sensitive to chemical or pathogen contamination and / or changes in groundwater recharge. Although precautionary measures to protect groundwater and surface water must be applied on all projects, additional protection measures and related documentation may be required where study areas fall within these zones. These include maintenance of the Site-wide water balance and limitations on the presence of potential contamination sources such as gas stations and dry cleaner facilities. Based on the current development plan, the Site development does not include any commercial facilities. The Site-wide water balance is to be completed by Crozier & Associates Consulting Engineers ('Crozier') and provided under separate cover.



5.0 Impact Assessment for Potential Receptors

5.1 Shallow Groundwater Features

Limited groundwater data has been collected to date, with additional monitoring planned over the next year. Based on the preliminary data, groundwater elevations across the Site are relatively shallow (generally less than 4 m) and are anticipated to fluctuate on a seasonal basis. Water levels generally follow ground surface elevations. During the May 2022 monitoring event, the water level is hosted by the surficial sand, silty sand, and sand and gravel layer, and drops into the underlying till unit in the drier period. The weathered till unit has an estimated hydraulic conductivity of 2 x 10^{-7} m/s. Based on a review of the MECP WWR records, the till unit extends to approximately 35 mbgs. The hydraulic conductivity of the unweathered till aquitard is estimated at 7.6 x 10^{-10} m/s, approximately 30 times lower than the weathered till.

To prevent leakage of groundwater into basements, it is anticipated that import fill is required to keep the basements above the high water table. As a precaution, each basement should be surrounded by a foundation drain, which is considered normal practice within Township of Southgate. Typically, these are set to a minimum of 0.3 m above the measured high water table, assuming water levels could rise at some point in the future. The imported fill should be of the same hydraulic conductivity, or greater, than the native soil to prevent "wicking" up the water table to a higher elevation.

Groundwater monitoring is still in progress at the Site. It is our opinion that water levels in spring would generally represent the highest groundwater conditions, however, a full year of monitoring is required to confirm the full range of water levels across the Site. It is recommended that the groundwater level monitoring program continue at a quarterly frequency during pre-construction and construction activities.

5.2 Potable Wells

The Village of Dundalk relies on groundwater supply from wells screened within the dolostone bedrock that extends under the study site. The well capture zones have been documented by the Lake Erie Region Source Protection Committee and extend under the eastern portion of the proposed Glenelg subdivision in the bedrock. The upper bedrock is inferred to be of low permeability, and the municipal production zone lies in the middle of the sequence. Municipal well D4 is found approximately 460 m southeast of the Site boundary, and D3 and D5 to the southeast approximately 1020 m and 1225 m, respectively (**Figure 9**). However, given the thickness of the aquitard soils at this Site, and the fact that there will be no onsite sewage disposal through private septic beds, no impact to the groundwater quality in the aquifer is expected. In addition, there are no anticipated hydrogeological impacts due to the proximal distance of the municipal wells to the Site. Nevertheless, pre-development recharge will have to be maintained in the post-development condition.

Rurally there are several surrounding individual residential private wells that tap into the dolostone bedrock and have been drilled to depths of approximately 28 to 83 m. These residential water wells are a relatively low draw on the groundwater and given the thickness of the overlying clay aquitard, is not expected to be affected by the proposed development provided groundwater recharge is maintained.

Monitoring wells have been installed at the property as part of the Site-specific investigations to document stabilized groundwater conditions. Monitoring is on-going and is planned to continue through construction. When the monitoring wells are determined to be no longer required, or if they are determined to be at risk of damage from Site grading and construction, the wells should be properly decommissioned in accordance



with O. Reg. 903. Decommissioning a well which is no longer in use helps ensure the safety of those in the vicinity of the well, prevents surface water infiltration into an aquifer via the well, prevents the vertical movement of water within a well, conserves aquifer yield and hydraulic head, and can potentially remove a physical hazard.

5.3 Surface Water Features

A number of small unnamed tributaries are present at the Site, two that drain towards the northwest (within the SRW), located at the north and south ends of the Site, and one that drains offsite towards the south (GRW) at the eastern portion of the Site within a wetland. There are also unevaluated wetlands on the Site. The wetlands will be evaluated as part of the EIS to be submitted under separate cover. In addition, an assessment of groundwater-surface water interactions within these natural heritage features will be completed once additional data is available. In the event that groundwater-dependent natural heritage features are identified on the property, the Site-wide water balance is to be maintained by carefully implementing mitigation measures such that these features are not affected by development.



6.0 Conclusion

The purpose of the preliminary Hydrogeological Assessment was to identify any hydrogeologic constraints to development. Based on the above results of the investigation and discussion, the following preliminary conclusions are presented, subject to confirmation through ongoing monitoring and supplementary analyses:

- The Site is underlain by surficial sand to silty sand deposits up to 2 m thick. Underneath the surficial aquifer deposits is a sandy silt to silty sand till. The upper unweathered portion of the till unit has an estimated average hydraulic conductivity of 5.7 x 10⁻⁸ m/s.
- The Site lies along a watershed drainage divide that runs through the centre of the Site in a north-south direction.
- Groundwater is interpreted to flow primarily in a southwesterly direction along the western portion of the Site and a southeasterly direction along the eastern portion of the Site.
- It is recognized that the Site is located within a WHPA and SGRA.
- Municipal well D4 is located approximately 460 m southeast of the Site. In addition, municipal wells D3 and D5 are located approximately 1020 m and 1225 m, respectively, southeast of the Site. There are no anticipated hydrogeological impacts due to the proximal distance of the municipal wells to the proposed development area.
- There are several surrounding individual residential private wells that tap into the dolostone bedrock and overburden aquifer unit. The residential water wells are a relatively low draw on the groundwater and given the thickness of the overlying clay aquitard, is not expected to be affected by the proposed development provided groundwater recharge is maintained.
- A Site-wide water balance will be completed by Crozier to inform any potential mitigation needed to balance post-development recharge with pre-development recharge.

At this stage, based on the information and data received and analyzed to date it would appear the proposed development is feasible from a hydrogeologic perspective subject to the completion of ongoing monitoring and the completion of a future detailed Hydrogeological Assessment Report.



7.0 Statement of Limitations

The Hydrogeological Assessment has been prepared and the work referred to in this report has been undertaken by SLR Consulting (Canada) Ltd. (SLR) for Dundalk Village Two Inc. hereafter referred to as the "Client". It is intended for the sole and exclusive use of the Client. The report has been prepared in accordance with the Scope of Work and agreement between SLR and the Client. Other than by the Client and as set out herein, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted unless payment for the work has been made in full and express written permission has been obtained from SLR.

This report has been prepared in a manner generally accepted by professional consulting principles and practices for the same locality and under similar conditions. No other representations or warranties, expressed or implied, are made.

Opinions and recommendations contained in this report are based on conditions that existed at the time the services were performed and are intended only for the client, purposes, locations, time frames and project parameters as outlined in the Scope or Work and agreement between SLR and the Client. The data reported, findings, observations and conclusions expressed are limited by the Scope of Work. SLR is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. SLR does not warranty the accuracy of information provided by third party sources.



8.0 Closure

We trust that this report satisfies your requirements at this time.

Sincerely,

SLR Consulting (Canada) Ltd.



Cull

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Distribution:

1 electronic copy – Dundalk Village Two Inc.

1 electronic copy – SLR Consulting (Canada) Ltd.

1 electronic copy – Crozier & Associates Consulting Engineers

1 electronic copy – MHBC Planning



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Figures

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022





GIS PATH: D:\GIS\Projects_cl_Flato\Dundalk\1_Maps\RPT\209_30125\Prelim_Hydrogeo_WB\209_30125_SiteLocation_revB.





	٦	S

SITE BOUNDARY

PERMANENT WATERCOURSE

CARTOGRAPHIC WETLAND (LAND INFORMATION ONTARIO, 2022)



PROVINCIALLY SIGNIFICANT WETLAND (LAND INFORMATION ONTARIO, 2022)



SITE BOUNDARY; SCHAEFFER DZALDOV BENNETT LTD.; 2022 ONTARIO MINISTRY OF NATURAL RESOURCES, LAND INFORMATION ONTARIO (LIO) CONTOURS: SWOOP 2015

50 100

Scale 1:7,500 PAGE SIZE 11 x 17 NAD 1983 UTM Zone 17N

DUNDALK VILLAGE TWO INC. GLENELG PHASE 3

200

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT

SITE TOPOGRAPHY

FIGURE NO:



PROJECT NO: 209.30125.00003

300 m













LEGEND:



dwg



NAD 1983 UTM Zone 17 T

DUNDALK VILLAGE TWO INC. GLENELG PHASE 3

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT

GEOLOGICAL CROSS SECTION A-A'



DRAFT

FIGURE NO:

6

PROJECT NO: 209.30125.00003











PROJECT NO: 209.30125.00003

FIGURE NO: 7

40 m

GEOLOGICAL CROSS SECTION B-B'

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT

DUNDALK VILLAGE TWO INC. GLENELG PHASE 3

HORIZONTAL SCALE 1:7,500 WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT NAD 1983 UTM Zone 17 T

200 400 m 300 50 100

0	5	10	20	30
		1/5		75.0



<u></u>

301

Maps

alk\1



LEGEND

N

SITE BOUNDARY



MONITORING WELL INFERRED GROUNDWATER ELEVATION CONTOUR INFERRED GROUNDWATER FLOW DIRECTION GROUNDWATER ELEVATION (MAY 13, 2022) PERMANENT WATERCOURSE DRAINAGE DIVIDE



NOTES:

SITE BOUNDARY; SCHAEFFER DZALDOV BENNETT LTD.; 2022 BASEDATA:

ONTARIO (LIO)

50 100 200

Scale 1:7,500 PAGE SIZE 11 x 17 NAD 1983 UTM Zone 17

DUNDALK VILLAGE TWO INC. GLENELG PHASE 3

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT

INTERPRETED GROUNDWATER FLOW DIRECTION - MAY 2022



FIGURE NO:



PROJECT NO: 209.30125.00003

300 m







N



SITE BOUNDARY (500M BUFFER)

INTERMITTENT WATERCOURSE

PERMANENT WATERCOURSE

MECP WELL LOCATION (WWIS, 2022)

 $\mathbf{\Phi}$ LIVESTOCK \oplus MUNICIPAL • MONITORING

- € DOMESTIC $\mathbf{\Phi}$
- TEST HOLE
- • NOT USED
- UNCLASSIFIED



NOTES:

SITE BOUNDARY; SCHAEFFER DZALDOV BENNETT LTD.; 2022 BASEDATA:

ONTARIO (LIO)

100 200 400

Scale 1:12,000 PAGE SIZE 11 x 17 NAD 1983 UTM Zone 17N

DUNDALK VILLAGE TWO INC. GLENELG PHASE 3

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT

MECP WELL LOCATIONS



FIGURE NO: 9

600 m

PROJECT NO: 209.30125.00003







546812

547312



548312

548812

N



Communit

DATE: Sept 6, 2022

PROJECT NO: 209.30125.00003

Appendix A Development Plan

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022







Appendix B Borehole Logs

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022


			CLIENT: Dundalk Village T	[wo	Inc.	haat	•				Bore	hole	LOG	
.51			ADDRESS: ON SLR JOB NO: 209.30125 00003	UNC	Jour	iyal	с,	SUE		IOLE NO:	ES	A-3		
DEPTH (m)	ELEVATION (m)	SO	L DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SPT	TEST Count	♦ % Mo	isture	SOREHOLE COMPLETION	WELL COMPLETION NOTES	DEPTH (m)
-		TOPSOIL Silty sand, organics	, brown, soft, moist		0-2	45.8		<u> 10 20</u> ■ 5	30 40 50		<u>u 80100</u>		-	-
- 1-		SAND Fine Sand, silty, tra some cobbles, light	ce clay, some gravel (angular) and brown, soft moist		*4-4.5 / DUP-3D	66.7		7			_			- -1.0 -
2-		Silty SAND TILL			*5-7	50.0		■ 14						-2.0
3-		Fine Sand, silty, gra clay, light brown, sc	welly (angular) with cobbles, trace ft, dry		7.5-9.5	45.8	•	1 3						3.0
					10-12	91.7	•	······	>50				bentonite seal	4.0
-					12.5-14.	5 60.4	▲.		>50					-
5-					15-17 *17.5-19	.5	•			49				-5.0
6-					/ DUP-3C	79.2	●		>50 🖿					- -6.0
-		End of borehole at	m		20-22	33.3								-
		* denotes soil samp	le taken for lab analysis											
	DRILLING	METHOD: Hollow LE DIAMETER: 0.2 m (Stem Auger Drilling OD)	Notes		SPLI	T SPO	ON						
	DRILL DA	ATE: 2022 May 2	LOGGED BY: RH DRILLED BY: Geo-Environmental									Sh	eet 1 of 1	

				CLIENT:	Dundalk Village	Two	Inc.	4L			Mon	itori	ing	W	ell LOG	
				PROJECT: ADDRESS:	Lots 223 & 227 C ON 5 209 30125 00003	Conc	1 Sou	thga	te,	BORE		MV	V22	2-3	801	
		Ê	LTING (CANADA) LTD.	SLK JUB NC	209.30123.00003	, 				SURFACE EL		000.	7			Ê
DEPTH (m)		ELEVATION (SO	IL DESCRIP	ΓΙΟΝ	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆ % Moi	sture	WELL COMPLETION	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
		530.99 530.86	TOPSOIL Fine-coarse sand, s gravel and cobbles moist Sandy SILT	silty, some org (sub-angular	ganics (rootlets),), dark brown, soft,		0-2	37.5	× 1/2 × 1	7				Ţ	hentonite seal	-
1			Fine sand, some me (sub-angular/sub-ro clay, light brown, so content with depth	edium-coarse ounded), occa ift, moist-wet.	sand, some gravel sional cobbles, trace Increasing gravel		2.5-4.5	41.7	0 0	16	+					-530 - - -
2		528.70	Sandy SILT				5-7	56.3	0							-529
3		527.94	Some medium-coar (sub-angular/sub-ro Becomes hard/dens m Sub-angular/angula	rse sand, som ounded), crus se at 2.46 m, ar gravel, crur	ne gravel hed cobbles, soft. becomes wet at 2.41 nbly, moist	X	7.5-9.5	58.3	•	40						- - -528 -
4		527.18	Lower frequency (tra moist	ace) medium	-coarse sand, dense,		12.5-14	1.5 20.8		>50					grout	- - -527
5		526.42	FINE SAND Silty, trace medium- gravel (angular/sub- brown, dense, dry-n	-coarse sand, -rounded), cr noist	trace clay, some ushed cobbles, light	X	15-17	33.3	•	>50						- - 526 -
6		524.89	No recovery				17.5-19	9.5 12.5	↓ • • • • • • • • • • • • • • • • • • •	>50						- - -525 -
E.GDT 22/9/8		524.13	Sandy SILT Silty, trace medium-	-coarse sand,	trace gravel,		22.5-24	0.0		>50					bentonite seal	- - -524
V5.2 MOISTUR		523.37	crushed cobbles, br	rown-grey, cru ent, moist-we	umbly, dense, dry it	X	25-27	12.5	•	>50 📭					silica sand	- - 523
SPJ SLR_CAN						X	27.5-29	9.5 16.7	•	>50 🗖					50 mm 010 slot PVC pipe	-
9.30	-		End of monitoring	vall at 504.00	m		 		<u> </u> ♥	<u> </u>					end cap	-522
00003_MG_2022.0			End of monitoring w Well Completion De Screened interval fr Elevation at top of p	ven at 521.92 etails: rom 523.45 m pipe (TOP) = :	m i to 521.92 m 531.86 m											
RE) 209.30125.			Depth to groundwate 2022)	ter from TOP	= 1.03 m (May 13,											
E LOG (MOISTU			* denotes soil samp	le taken for la	ab analysis											
Щ–		RILLING	METHOD: Hollow	Stem Auger Dril	ling	Notes	 s: 	SPL	IT SPC	DON	1 : : :	: :		1		1
R BORI	B		LE DIAMETER: 0.2 m (4 TE: 2022 April 25	OD) LOGGED	BY: AW			NO	RECO	VERY				٥	ot 1 of 1	
_اھ				DRILLED	BY: Orbit Garrant									Sue		

			CLIENT: Dundalk Village	Two	Inc.				Mon	itori	ng	W	ell LOG	
		SLK~	PROJECT: Lots 223 & 227 C ADDRESS: ON	onc	1 Sout	ngat	е,	BOREH	IOLE NO:	MV	V22	2-3	802	
SL		ILTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003					SURFACE EL	EVATION:	522.6	64 m			Ê
DEPTH (m)	ELEVATION (n	SO	IL DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	● % Moi	sture 80100	COMPLETION	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (r
	522.64	TOPSOIL Black-brown					<u>x1 /z</u> <u>x1</u>				ĬĒ		cement	-
	522.39	Silty SAND Some CLAY, trace brown, loose, dry-m	organics, trace gravel, dark-light noist		0-2	100.0		4						- - -522
1-	-	Moist			2.5-4.5	79.2		10						-
2-	521.12	Wet			5-7	16.7		3		· · · · · · · · · · · · · · · · · · ·		Ţ		- -521 -
	-													
	520.30	Silty SAND to Sand Gravelly, (angular / dense, moist.	ly SILT TILL sub angular), brown, compact,		7.5-9.5	100.0	•	25					Dentonite seai	- -520 -
3-	519.59	Wet			10-12	75.0	●.	 ■ 4	5					-
4-	518.83	Moist-wet			12.5-14	.583.3	•	_ 42						-519 - - -
5-018	518.07	Trace medium sand	d, dense/hard, moist	X	15-17	66.7	•	>50						-518
TURE.GDT 2	517.31	Drilled through cobl	ble from 5.33 m - 5.64 m				•						silica sand 50 mm 010 slot PVC pipe	-
AN V5.2 MOIS	517.00	Grey-light brown, de	ense, firm, moist		18.5-20	41.7	●.	>50 🗖					end cap	-517 - -
3.30.GPJ SLR_C	-				20-22	41.7	•	>50 🖿					bentonite seal	- - -516
022.0		End of monitoring w	vell at 515.78 m											
0003_MG_2		Well Completion De Screened interval fr Elevation at top of p	etails: rom 518.07 m to 516.54 m oipe (TOP) = 523.59 m											
RE) 209.30125.0		Groundwater Inforn Depth to groundwat 2022)	nation: ter from TOP = 2.63 m (May 13,											
E LOG (MOISTU		* denotes soil samp	ble taken for lab analysis											
		METHOD: Hollow	Stem Auger Drilling	Notes	s:	SPLI	T SPC	ION	1 : : :	<u>: : </u>		1		I
	BOREHO	LE DIAMETER: 0.2 m (OD) LOGGED BY: MJ									•		
SLF			DRILLED BY: Geo-Environmental									She	et 1 of 1	

			CLIENT: Dundalk Village	e Two	Inc. 1 Sout	haat	۵			М	onitor	in	g١	W	ell LOG	
51			ADDRESS: ON	3	i Soul	iiyat	σ,	SUE		IOLE NC): M ' N: 518	N 2 .35	22 m	-3	03	
DEPTH (m)	ELEVATION (m)	SO	IL DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SPT	TEST Count	● % I	Moisture	MELL	COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
F	518.35	TOPSOIL		Ű	0,	-	<u>x1 /y</u> <u>x1</u>	10_20	<u>30 40 50</u>	20 40	0 8010	8	Ĭ	_	cement	-
	518.10	Silty SAND Trace silt, trace mer mottling, loose, moi	dium sand, brown, orange-black st		0-2	75.0	<u>1, , , , , , , , , , , , , , , , , , , </u>	4				\ge	\geq	¥		-518 - -
1-	516.83				2.5-4.5	75.0		9								-517
2-		Silty, trace gravel, b	rown, loose, soft, wet		5-7	8.3		4								-
	516.06	Silty SAND to Sand Gravelly, light brown	y SILT TILL n, dense, firm, moist		7.5-9.5	75.0				19					bentonite seal	-516
3-	-				10-12	58.3	•.		>50							- 515 -
4-	-				12.5-14.	5 8.3	•		>50 ∎							-514
5-	513.02				15-17	8.3	•		>50 🔳						silica sand 50 mm 010 slot	
6-	-	Very dense/hard			17.5-19.	5 37.5	●.		>50 🔳						PVC pipe	-
	-				20-22	12.5	•		>50 🔳						silica sand	- 512 -
		End of monitoring w	vell at 511.49 m													
		Well Completion De Screened interval fr Elevation at top of p	etails: om 513.78 m to 512.25 m pipe (TOP) = 519.22 m													
		Groundwater Inform Depth to groundwat 2022)	nation: ler from TOP = 1.65 m (May 13,													
		* denotes soil samp	ele taken for lab analysis													
		METHOD: Hollow	Stem Auger Drilling	Notes	 s: 🔼	SPLI	T SPO	ON	. : :	<u> : :</u>	<u> </u>					
-		LE DIAMETER: 0.2 m (OD) LOGGED BY: MJ	-										71		
		,	DRILLED BY: Geo-Environmental										5	snee	el 1 OT 1	

		~	CLIENT:	Dundalk Village	Two	Inc.	haat	•			Мо	nitori	ing	W	ell LOG	
			ADDRESS:	ON 20125 00002		1 300	ingai	е,	OUE	BOREH	IOLE NO:	MV	V2	2-3	804	
s	<u>ER CONSU</u>	JETING (CANADA) ETD.	SLR JOB NO	209.30125.00003)				SUF	TFST	DATA	: 525.	z	Ш		(E
DEPTH (m)	ELEVATION	SO	IL DESCRIPT	ION	SAMPLE TYF	SAMPLE ID	% Recovery	SOIL TYPE	■SPT	Count	◆ % M	oisture	WELL	WATER LEVI	WELL COMPLETION NOTES	ELEVATION
	523.51 523.46 - - - 522.72	TOPSOIL Silt, organics (rootle moist Silty SAND Some gravel (sub-a organics, trace med orange mottling, so	ets), dark brow angular/sub-ro dium sand, oco ft-firm, moist	n, trace fine sand, unded), trace, casional cobbles,		0-2	50.0		14					Ţ		- -523 -
1	-	very loose, saturat	54			2.7-4.5	62.5			29						-
2	521.99	Gravelly SAND Fine-coarse sand, t (sub-angular/sub-ro loose, saturated	race silt, grave ounded), cobb	el les, brown, very		5-7	33.3			44	5				bentonite seal	-522
	521.22	Silty SAND TILL Silty, trace medium (sub-angular/sub-ro clay, brown, compa	-coarse sand, ounded), crush ct, saturated	some gravel led cobbles, trace		7.5-9.5	33.3	•		■ 35						- -521 -
3	-				Ĭ	10-10.5 10.4-11	.1	•.		>50						-520
IOISTURE.GDT 22/9/8	- 519.70 - -	Trace clay, less sar	nd with depth,	crumbly, dry		12.5-14	.520.8	•		>50 🔳						-
0.GPJ_SLR_CAN_V5.2 M G	_ 518.94	SAND and SILT Some fine sand, tra clay, trace gravel, g	ice medium-co rey, very dens	parse sand, trace se, moist-wet		15-17	25.0			>50 🗖					silica sand 50 mm 010 slot PVC pipe	-519 - -
MG_2022.08.30	-	End of monitoring	vell at 517 97	m		17.5-18	.5 12.5			>50 🔳					end cap	-518
<u>3 (MOISTURE) 209.30125.00003</u>		Well Completion De Screened interval fi Elevation at top of p Groundwater Inforn Depth to groundwat 2022)	etails: rom 519.40 m pipe (TOP) = 5 nation: ter from TOP :	to 517.87 m 24.44 m = 1.65 m (May 13,												
		* denotes soil samp	ble taken for la	b analysis												
BOREHC	DRILLING	G METHOD: Hollow DLE DIAMETER: 0.2 m (Stem Auger Drill OD)	ing	Note	s: 💌	SPL	T SPC	ON							
SLRE	DRILL DA	ATE: 2022 April 26	LOGGED DRILLED I	BY: AW 3Y: Orbit Garrant										She	et 1 of 1	

Since Production Control as 22 at 22 control is sound response. Not consummer (CAMPUAR) TTP: Sound control as 20 at 20				CLIENT: Dundalk Village	Two	Inc.		_		Mon	itori	ng V	Vell LOG	
Else Zest Production (Next Cadula), If 1) Six R Datino: UP, 407 25 00005 Six R Datino: UP, 407 25 0005 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 10240 9 9 9 9 9 10240 9 9 9 9 9 10240 9 9 9 9 9 10240 9 9 9 9 9 9 10240 9 9 10 9 9 9 10240 10 9 10 9 10 9 10240 10 10 10 10 10 10 10440 10 10 10 10 10 10 10 10440 10 10 10 10 10 10 10 10440 10 10 10 10 10 10 10 10440 10 10 10 10 10 10 10 <th></th> <th></th> <th>SLR</th> <th>ADDRESS: ON</th> <th>Conc</th> <th>1 Souti</th> <th>ngat</th> <th>e,</th> <th>BORE</th> <th>HOLE NO:</th> <th>MV</th> <th>V22.</th> <th>-305</th> <th></th>			SLR	ADDRESS: ON	Conc	1 Souti	ngat	e,	BORE	HOLE NO:	MV	V22.	-305	
Image: Solid DESCRIPTION Image: Solid D	S	LR CONSU	JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.0000	<u>з</u> 				SURFACE E	LEVATION:	523.7	4 m z i		Ê
23.44 Sity SAND 33.45 Sity SAND TILL 52.59 Firm, compact Back motiling, firm, loose, most 24.44 Sity SAND TILL 72.50 Site Site Site Site Site Site Site Site	DEPTH (m)	ELEVATION (SO	IL DESCRIPTION	SAMPLE TYF	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 5	◆ % Mois	sture	WELL COMPLETIO	WELL COMPLETION NOTES	ELEVATION
252.44 Sity SADU orange-black moting, firm, loose, moist Firm, compact 1 22.55 stop 2 Sity SAND TUL rocebies, light brown-gray, soft, very loose, well 1 157.5 stop 2 Sity Gand TuL rocebies, light brown-gray, soft, very loose, well 3 10-125 stop 3 Sotop 3 Sotop 3 Sotop 3 Sotop 4 Stop 5 Stop		523.74	TOPSOIL			*0-2.5		<u>x1 /z</u> <u>x1</u>	. 10 20 00 40 0		00100			-
92222 Sity SAND TILL Trace medum-coarse sand, trace gravel, trace cobbles, light brown-grey, soft, very loose, vet 1-57.5 87.5 87.5 9 2 91 520.69 Saturated 10-12.5 45.6 10 12 10-12.5 45.8 10-12.5 45.8 12 12 10-12.5 519.17 Grey, dense, hard, wet 12.5-16 6.8 10-12.5 54.8 10-12.5 518.41 Very dense, very hard, wet-moist 11.5-17.5 54.2 50.0 518.41 10-12.5 518.41 Very dense, very hard, wet-moist 11.7.5-0 62.5 60.0 50.0 10-12.5 518.41 Very dense, very hard, wet-moist 12.5-16 6.8 10.12.5 54.2 10-12.5 518.41 Very dense, very hard, wet-moist 12.5-17.5 54.2 50.0 50.0 117.5-20 62.5 6.7.7.6 Damse, firm-hard (crumbles), moist 20.22.6 60.7 50.0 50.0 117.5-20 62.5 9.0 50.0 50.0 50.0 50.0 50.0 117.5-20 62.5 60.7 50.0 50.0 50.0 50.0 117.5-20 62.5 60.7 50.0 50.0 50.0 50.0	1	523.44	Silty SAND Silty, trace organics orange-black mottli Firm, compact	s, trace clay nodules, brown, ng, firm, loose, moist		2.5-5	100.0 50.0		9		· · · · · · · · · · · · · · · · · · ·		_	-523
3 521.45 Increasing gravel and silt content with depth, increasing density with depth 3 520.69 Saturated 4 519.93 Gravelly, some silt, trace cobble, grey-light brown, dense, firm (crumbles), moist 10.12.5 45.8 5 519.97 Grey, dense, hard, wet 15.17.5 54.2 50 50 5 518.41 Very dense, very hard, wet-moist 15.17.5 54.2 560 50 60 6 517.64 Dense, firm-hard (crumbles), moist 20.22.5 16.7 50 50 60 60 6 517.64 Dense, firm-hard (orumbles), moist 20.22.5 16.7 50 50 60 60 7 4 A 15.17.5 54.2 50 <	2	522.22	Silty SAND TILL Trace medium-coal cobbles, light brown	rse sand, trace gravel, trace n-grey, soft, very loose, wet		*5-7.5	87.5	•	2				bontonito cool	- - -522 -
3 520.69 Saturated 4 519.33 Gravelly, some silt, trace cobble, grey-light brown, dense, firm (crumbles), moist 10-12.5 45.8 519.17 Grey, dense, hard, wet 12.5-15 45.8 12.5-15 54.8 519.17 Grey, dense, hard, wet 15.17.5 54.2 50.0 50.0 519.17 Grey, dense, hard, wet 15.17.5 54.2 50.0 50.0 518.41 Very dense, very hard, wet-moist 17.5-20 62.5 50.0 90.0 517.64 Dense, firm-hard (crumbles), moist 20-22.5 66.7 50.0 90.0 20-22.5 66.7 50.0 50.0 90.0 90.0 90.0 6 517.64 Dense, firm-hard (crumbles), moist 20-22.5 66.7 50.0 90.0 90.0 9 Screened interval from 510.17 m to 517.64 m Elevation at top of pipe (TOP) = 524.83 m 50.0 90.0 90.0 90.0 90.0 9		521.45	Increasing gravel a increasing density v	nd silt content with depth, with depth		7.5-10	45.8	•	13				Dentonite seal	- - 521
4 519.93 dense, firm (crumbles), moist 12.5-15 45.8 9 >60 9 519.17 5-5 Grey, dense, hard, wet 1517.5 54.2 9 >60 9 5-5 518.41 Very dense, very hard, wet-moist 17.5-20 82.5 >60 9 end cap silica sand S0 mm 010 slot 6 517.64 Dense, firm-hard (crumbles), moist 20-22.5 86.7 >60 9 end cap silica sand S0 mm 010 slot 8 Weil Completion Details: Screened interval from 511.7 m to 517.64 m Elevation at top of pize (TOP) = 524.83 m Groundwater from TOP = 1.56 m (May 13, 2022) slot 9 9 9 9 • denotes soil sample taken for lab analysis • denotes soil sample taken for lab analysis SPLIT SPOON SPLIT SPOON	3	520.69	Saturated			10-12.5	45.8	•	12		· •			-
519.17 Grey, dense, hard, wet Is.17.5 54.2 Stormal Sto	4	519.93	Gravelly, some silt, dense, firm (crumbl	trace cobble, grey-light brown, les), moist		12.5-15	45.8	•	50	 	· •			-520 - -
518.41 Very dense, very hard, wet-moist 30 mm 010 slot 6 517.64 Dense, firm-hard (crumbles), moist 20-22.5 66.7 >50 • 20-22.5 66.7 >50 • end cap silica sand bertonite seal Well Completion Details: Screened interval from 519.17 m to 517.64 m Elevation at top of pipe (TOP) = 524.83 m Groundwater Information: Depth to groundwater from TOP = 1.56 m (May 13, 2022) a b b b b b b b b b b b a b a	016127	519.17	Grey, dense, hard,	wet		1517.5	54.2	•	>50	I			silica sand	- -519 -
6 517.64 Dense, firm-hard (crumbles), moist 20-22.5 66.7 >50 end cap silica sand bentonite seal 8 20-22.5 66.7 >50 >50 end cap silica sand bentonite seal 9 8 Well Completion Details: Screened interval from 519.17 m to 517.64 m Elevation at top of pipe (TOP) = 524.83 m Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details: Screened interval from TOP = 1.56 m (May 13, 2022) Image: Completion Details		518.41	Very dense, very ha	ard, wet-moist		17.5-20	62.5	•	>50				50 mm 010 slot PVC pipe	-518
End of monitoring well at 516.88 m Well Completion Details: Screened interval from 519.17 m to 517.64 m Elevation at top of pipe (TOP) = 524.83 m Groundwater Information: Depth to groundwater from TOP = 1.56 m (May 13, 2022) * denotes soil sample taken for lab analysis DRILLING METHOD: Hollow Stem Auger Drilling Notes: SPLIT SPOON	0.00.0F U U U U U U U U U U U U U U U U U U U	517.64	Dense, firm-hard (c	rumbles), moist		20-22.5	66.7	•	>50		·		end cap silica sand bentonite seal	- - -517
Well Completion Details: Screened interval from 519.17 m to 517.64 m Elevation at top of pipe (TOP) = 524.83 m Groundwater Information: Depth to groundwater from TOP = 1.56 m (May 13, 2022) * denotes soil sample taken for lab analysis PRILLING METHOD: Hollow Stem Auger Drilling Notes: SPLIT SPOON			End of monitoring v	vell at 516.88 m										
DRILLING METHOD: Hollow Stem Auger Drilling Notes:			Well Completion Do Screened interval fi Elevation at top of p Groundwater Inform Depth to groundwa 2022)	etails: rom 519.17 m to 517.64 m bipe (TOP) = 524.83 m nation: ter from TOP = 1.56 m (May 13, ble taken for lab analysis										
EI BOREHOLE DIAMETER: 0.2 m (OD)			METHOD: Hollow	Stem Auger Drilling	DON	<u>, ; ; ;</u>		I	[
DRILL DATE: 2022 April 22 LOGGED BY: MJ DRILL DATE: 2022 April 22 LOGGED BY: MJ DRILL ED RY: Geo Environmental Sheet 1 of 1		DRILL DA	TE: 2022 April 22	LOGGED BY: MJ					S	heet 1 of 1				

			CLIENT: Dundalk Village	Two	Inc.		•		Moni	tori	ng	W	ell LOG	
		SLK ~	ADDRESS: ON	SOUC	i souti	igat	е,	BOREHO	LE NO:	MV	V22	2-3	06D	
SI	LR CONSU	ILTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003	<u> </u>				SURFACE ELE	VATION:	522.8	34 m	H		Ê
DEPTH (m)	ELEVATION (SO	L DESCRIPTION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆ % Mois 20 40 60 8	ture 80100	WELL COMPLETIO	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
1	522.84 522.71 521.82 521.21	TOPSOIL Organics (rootlets), wormholes, soft, mo SAND Fine-medium sand (grey-brown/orange Gravelly SAND Gravel (round/sub-r cobbles, trace silt, g Silty SAND Silty fine sand, trace (sub-angular/sub-ro silty with depth, trac saturated	clayey silt, trace fine sand, oist (layered 1-2mm), silty, mottling, soft, loose-compact, wet ounded), fine-coarse sand, trace rey, loose, saturated e gravel unded), trace cobbles, increased e clay, grey-brown, loose,		0-0.4 0.4-0.7 0.7-0.9 2.5-3.3 3.3-3.7 5-5.3 5.3-6.0 7.5-9.5	45.8 58.3 50		■ 6 ■ 22 ■ 18 >50 ■				Ţ	bentonite seal	
	-				10-12	16.7	•	>50		· · · · · · · · · · · · · · · · · · ·				-
4 5 6	518.27	Silty SAND, TILL Fine sand, trace cla grey, dense/hard, m More fine sand, gre	y, trace gravel, trace cobbles, ioist y, dry		12.7-13 15-17 17.5-19.	8.3	•. •.	>50						-518 - - - - - -517 - - - 517
0.GPJ_SLR_CAN_V5.2 MOISTURE.GDT_22/9/8 	515.98	Some fine-coarse sates (sub-angular/sub-ro	and, trace gravel unded), grey, hard, dry ce medium-coarse sand, trace		22.5-24.	0.0 545.8 0.0	•. • •	>50	,				silica sand 50 mm 010 slot PVC pipe	- 516 - - -515 -
2022.08.3	-		Sub-roundeu), grey, dry	Á	27.5-29.	5 50.0		>50					end cap	-514
MG		End of monitoring w	ell at 513.80 m											
125.00003		Well Completion De Screened interval fr Elevation at top of p	etails: om 516.85 m to 513.80 m ipe (TOP) = 523.67 m											
ELOG (MOISTURE) 209.30		Groundwater Inform Depth to groundwat 2022) * denotes soil samp	ation: er from TOP = 1.16 m (May 13, le taken for lab analysis											
			Stem Auger Drilling	Notor		SPI I	T SPC							
BORE	BOREHO	LE DIAMETER: 0.2 m (0	DD)	notes		NO F	RECO	/ERY						
SLR	DRILL DA	TE: 2022 April 28	LOGGED BY: AW DRILLED BY: Orbit Garrant									She	et 1 of 1	

				CLIENT:	Dundalk Village	Two	Inc.	he-*	•		Mon	itori	ng	j W	ell LOG	
		-		ADDRESS:	LOIS 223 & 227 C	OUC	i souti	igat	е,	BORE	HOLE NO:	MV	V2	2-3	806S	
SI	LR (LTING (CANADA) LTD.	SLR JOB NO	209.30125.00003		1		1	SURFACE E	EVATION:	522.8	85 m	<u>ו</u>		Ê
Ê		u) NC				TYPE		Σ	ш	TEST	DATA		NOIT			UN (r
TH (r		ATIC	SO	IL DESCRIPT	TION	ЬГЕ	PLE	BCOVE	TYP						WELL COMPLETION	VATIC
DEP		ELEV				SAM	SAM	% R	SOIL	■SPT Count 10, 20, 30, 40, 50	♦ % Moi 20 40 60	isture	MEL	WAT	NOTES	ELE
	5	22.85		alayov ailt tra	an fine cond				<u>717</u> 71			00100				-
	- 3	22.12	wormholes, soft, mo	oist	ce line sand,	Л										
			SAND Fine-medium sand	(lavered 1-2m	ım), siltv.									V		
			grey-brown/orange	mottling, soft,	loose-compact, wet									_		ŀ
	1															-
	+															-522
1.		21.02														
		21.05	Gravelly SAND Gravel (round/sub-r	ounded) fine	-coarse sand trace							· · ·				ŀ
	1		cobbles, trace silt, g	grey, loose, sa	aturated				0							-
	+														bentonite seal	_
		01.00							Ø							
	5	21.22	Silty SAND	e aravel												Ī
	1		(sub-angular/sub-ro	ounded), trace	cobbles, increased											-521
2	+		saturated	iowii, ioose,											-	
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	1															-
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3.	1										1		H			-
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22/9/													E			
GDT													E			ŀ
IURE	1														silica sand	-
NOIS	5	18 00											E		50 mm 010 slot PVC pipe	-519
4.75		10.55	Silty SAND, TILL Fine sand, trace cla	av. trace grave	el. trace cobbles.											
CAN			grey, dense/hard, m	noist	., ,											Ī
SLR	1															ł
GPJ	+												E			
2.08.30			End of monitoring w	vell at 518 28		+							Ξ	<u></u>	end cap	
202			Well Completion Dr	ataile:												
3 MG			Screened interval fr	rom 519.80 m	to 518.28 m											
.0000			⊏ievation at top of p	0∠3.1∠M												
30125.			Groundwater Inform Depth to groundwat	= 1.30 m (May 13,												
209.5			2022)		· · · ·											
URE)																
OISTI			MW22-306S was st	adjacent to												
NG (M			₩₩₩ 22-3060													
JLE L(
REHC	DF		METHOD: Hollow	Stem Auger Drill	ling	Notes	s:									-
R BC	DF	RILL DA	TE: 2022 April 28	LOGGED	BY: AW									She	et 1 of 1	
<u>പ</u> ്പ				DRILLED	BY: Orbit Garrant									0110		

			CLIENT:	Dundalk Village	Two	Inc.	haat	•			Мо	nitor	ing	j W	ell LOG	
	D. COLISI		ADDRESS:	ON 20425 00000	JUNC	i souti	iyat	e,		BORE	IOLE NO:	M	N2	2-3	307D	
SI	R CONSU	JLTING (CANADA) LTD.	SLR JOB NO:	209.30125.00003	<u></u> ш				SUR	FACE EL	EVATION	1: 527	.91 m	ו קובו א		Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPT	ION	SAMPLE TYF	SAMPLE ID	% Recovery	SOIL TYPE	■SPT 10 20	Count 30 40 50	◆ % N 20 40	loisture 60 80100		WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
	527.91 527.76	─ TOPSOIL	vn, soft, moist		/	0-2	50.0		4						silica sand	-
1.	527.02	Clayey SILT Clayey silt, some fir (rounded), brown, s Silty, trace clay, gra	ne-medium sai oft, moist, higi vel (rounded),	nd, some gravel n-plasticity moist-wet		2.5-4.5	75.0		• -4					Ţ		-527
2-	525.62				X	5-7	20.8		5							- 526
3-	- - -	Silty SAND TILL Fine sand, some gr brown, dense/hard,	avel (angular) dry-moist	and cobbles, light		7.5-9.5	75.0	◆.		27						- - -525 -
4-	- - -				X	10-12	75.0	●.		>50						- - -524
5					X	15-17	79.2	•							bentonite seal	- - -523
5	522.58	No Recovery					0.0	 .		>50 🔳						-
6-	521.81	Sandy SILT TILL Fine sand, some gr brown, dense/hard,	avel (angular) dry-moist	and cobbles, light		20-22	66.7	•		>50 🔳	+					-522
7.	521.05	Wet			X	22.5-24.	562.5	•		50 🗖						-521 - -
8.	-					25-27	33.3	•		>50 🔳			-			- -520 -
9-	- - -				X	27.5-29.	5 25.0	●.		>50 🔳					silica sand 50 mm 010 slot	-519
10-	-				X	30-32 32.5-34.	5 8.3	•		>50 					PVC pipe end cap silica sand	- - -518
11	+ + + +					35-37	50.0	•		_ >50_∎					bentonite seal	- - 517 -
		End of monitoring w	vell at 516.48 r	n						<u> </u>						-
00.04		Well Completion De Screened interval fr Elevation at top of p	etails: om 519.38 m bipe (TOP) = 5													
		Groundwater Inforn Depth to groundwat 2022)	nation: ter from TOP =	[:] 2.14 m (May 13,												
		* denotes soil same	le taken for la	h analveie												
		B METHOD: Hollow	Stem Auger Drilli	ng	Notes		SPLI	T SPO	ON		1 : :	<u>: : :</u>				
	BOREHO	LE DIAMETER: 0.2 m (OD) LOGGED E	3Y: RH		\Box	NO F	RECO	/ERY					e .		
j	DINILL DA	11 L. 2022 Widy 3	DRILLED E	Y: Geo-Environmental										She	et 1 of 1	

Single Status Single S				CLIENT:	Dundalk Village	Two	Inc.				Mon	itor	ing	W	ell LOG	
SINC DESCRIPTION SINCACE ELEVATOR SOURACE ELEVATOR <td< td=""><td></td><td></td><td>SLR</td><td>PROJECT: ADDRESS:</td><td>Lots 223 & 227 0 ON</td><td>Conc</td><td>1 Sout</td><td>nga</td><td>te,</td><td>BOREH</td><td>IOLE NO:</td><td>M٧</td><td>V2</td><td>2-3</td><td>807S</td><td></td></td<>			SLR	PROJECT: ADDRESS:	Lots 223 & 227 0 ON	Conc	1 Sout	nga	te,	BOREH	IOLE NO:	M٧	V2	2-3	807S	
Solution Solut	S		JLTING (CANADA) LTD.	SLR JOB NO	209.30125.00003	3			1	SURFACE EL	EVATION:	527.	97 m 			Ê
a a b SOIL DESCRIPTION b b a a b a b a b a b a b a b a b a b a b a b a b	e la					TYPE		۲ ^۵	μ	TEST	DATA			EVE		DN (r
State State <th< td=""><td>U H H</td><td>ATIC</td><td>so</td><td>IL DESCRIPT</td><td>ION</td><td>Ц Ц Ц</td><td>LE </td><td>cove</td><td>TΥΡ</td><td></td><td></td><td></td><td></td><td>L L</td><td></td><td>ATIC</td></th<>	U H H	ATIC	so	IL DESCRIPT	ION	Ц Ц Ц	LE	cove	TΥΡ					L L		ATIC
STATE TOPSOL Top Solt Top Solt </td <td>DEP </td> <td></td> <td></td> <td></td> <td></td> <td>SAME</td> <td>SAME</td> <td>% Re</td> <td>SOIL</td> <td>SPT Count</td> <td>◆ % Mo</td> <td>sture</td> <td></td> <td>NATI</td> <td>NOTES</td> <td></td>	DEP					SAME	SAME	% Re	SOIL	SPT Count	◆ % Mo	sture		NATI	NOTES	
SV.42 Organics, dark brown, soft, mold. 1 SV.42 Organics, dark brown, soft, mold. 1 SV.72 Silly, trace clay, gravel (rounded), molt.wet 1 SV.72 Silly, trace clay, gravel (rounded), molt.wet 2 SV.72 Silly SAND TILL Pine sand, some gravel (angular) and cobbles, light SV.72 3 SV.72 Silly SAND TILL Pine sand, some gravel (angular) and cobbles, light SV.72 3 SV.72 Silly SAND TILL Pine sand, some gravel (angular) and cobbles, light SV.72 3 SV.72 SV.72 4 SV.72 SV.72 52.56 Silly SAND TILL SV.72 Pine sand, some gravel (angular) and cobbles, light SV.72 4 SV.72 SV.72 52.57 No.78 SV.72 52.51 No.78 SV.72 52.51 SV.72 SV.72	F	527.97	TOPSOIL				0,	-	<u>×1 / ×</u>	10 20 30 40 50	20 40 60	0 80100	Ĩ			-
SZ2.64 Sity SAND TILL File Sand, core gravel (rounded), moist-wet -527 Sity SAND TILL File Sand, core gravel (rounded), moist-wet -528 Sity Sand TilL File Sand, core gravel (rounded), moist-wet -528 Sity Sand TilL File Sand, core gravel (rounded), moist-wet -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), moist-wet -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), moist-wet -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528 Site Sand, core gravel (rounded), and cobbles, light -528		527.82	Clavey SILT	vn, soft, moist											silica sand	ŀ
1 1 <td></td> <td>-</td> <td>Clayey silt, some fir</td> <td>ne-medium sa</td> <td>nd, some gravel</td> <td></td> <td>ŀ</td>		-	Clayey silt, some fir	ne-medium sa	nd, some gravel											ŀ
1 527.08 Silty, trace clay, gravel (rounded), moist-wet -57 2 5 5 5 3 5 5 4 -50 4 -50 5 5 6 -50 6 -52.18 8 End of monitoring well at 521.87 m Well Completion Details -52.18 m 9 End of monitoring well at 521.87 m Well Completion Details -52.11 m Science -52.207 m 9 End of monitoring well at 521.87 m Well Completion Details -52.11 m Science -52.207 m 9 MU22:3075 was straight drilled adjacent to DRULDER 22:2075 was straight drilled adjacent to DRULDER 22:22 May 5 L00002 BY: PM		-	(rounded), brown, s	soft, moist, hig	h-plasticity											F
1 527.08 Sity, trace clay, gravel (rounded), moist-wet -527 2 525.68 Sity SAND TILL -527 525.68 Sity SAND TILL Fire sand, some gravel (angular) and cobbles, light -527 3 -527 Sity SAND TILL -527 Fire sand, some gravel (angular) and cobbles, light -527 -527 3 -527 -527 -527 4 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527 -527 -527 52 -527																ŀ
2 525.86 Sity SAND TILL Free sand, some gravel (angular) and cobbles, light brown, dense hard, gry-most	1	527.08	Silty, trace clay, gra	vel (rounded)	moist-wet											-527
2- 525.66 Sity SAND TUL Fine and, some gravel (angular) and cobbles, light 3- Fine and, some gravel (angular) and cobbles, light Image: some some some some some some some some	.															
2- Sity SAND TILL File sand, some gravel (angular) and cobbles, light brown, dense/hard, dry-moist 3- 4- 5- 52.64 No Recovery 6- End of monitoring well at 521.87 m Well Completion Details: Screened Interval from 523.01 mb 521.87 m Bend of monitoring well at 521.87 m Well Completion Details: Screened Interval from 523.01 mb 521.87 m Bend of monitoring well at 521.87 m Well Completion Details: Screened Interval from 523.01 mb 521.87 m Bend of monitoring well at 521.87 m Well Completion Details: Screened Interval from 523.01 mb 521.87 m Bend of monitoring well at 521.87 m Well Completion Details: Screened Interval from 523.01 mb 521.87 m Bend of Monitoring Well at 521.87 m Well Completion Details: Screened Interval from 520.01 mb Construction to the for (COP) = 2.16 m (May 13, 202) Detuitoritie 22.00 M b Distribution to the complementation to the complementation Distribution to the complementation to the complementation Distribution to the complementation to the complementation Distribution to the complementation]														
2 525.68 Sity SAND TILL File sand, some gravel (angular) and cobbles, light brown, densehard, dry-moist 56 3		1												-		
2 525.68 Filty SAND TILL Filty Filty Fi		1														ſ
2 525.68 Sity SAND TILL Fine sand, some gravel (angular) and cobbiles, light brown, dense/hard, dry-moist bentonite seal 555 3 4 525.68 Sity SAND TILL Fine sand, some gravel (angular) and cobbiles, light brown, dense/hard, dry-moist 555 4 525.64 No Recovery 552 Sity SAND TILL 552 525.64 No Recovery alice and cobbiles, light brown, dense/hard, dry-moist 552 6 Sity Sand to the same domain of the		-														F
525.68 Silty SAND TILL Fine sand, some gravel (angular) and cobbles, light brown, densehard, dry-moist bentonite seal -625 3 -625 -625 -625 5 -626 -626 -626 5 -627 -626 -626 5 -628 -627 -626 5 -628 -626 -626 5 -626 -627 -626 5 -628 -628 -626 5 -628 -628 -628 6 End of monitoring well at 521.87 m -628 Well Completion Details: Sceened interval from 120.40 m to 521.87 m -628 Well Completion Details: Sceened interval from 20.40 m to 521.87 m -628 0 -629 -622 0 -627.51 m -628 0 -628 -628 0 -628 -628 0 -628 -628 0 -628 -628 0 -628 -628 0 -628 -628 0 -628 -628 0	2	-														-526
925.05 Sity SAND TLL Fire sand, some gravel (angular) and cobbles, light brown, dense/hard, dry-moist -625 3 -626 4 -626 5 -626 5 S22.64 No Recovery -628 6 End of monitoring well at 521.87 m Well Completion Details: Screened Interval from 520 Ab m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater Information: Depth togroundwater Infor		505.00													hantanita adal	-
3		525.68	Silty SAND TILL	ovel (engular)	and apphlage light										bentonite seai	-
3 4 -		_	brown, dense/hard,	and cobbles, light											-	
3-															-	
a -	2							+							-525	
4 -522.64 No Recovery -523.64 B End of monitoring well at 521.87 m Well Completion Details: Screened interval from 523.40 m to 521.87 m Elevation at too of pipe (TOP) = 528.71 m -523 Groundwater Information: Deptil.LING METHOD: Deptil.LING METHOD: Holow Stem Auger Drilling DRILLING METHOD: Holow Stem]														
a -		1														
a a a b b b c <td></td> <td>1</td> <td></td> <td>-</td>		1														-
4 - <td></td> <td>-</td> <td></td> <td>F</td>		-														F
a -		-										: :				-
5- 522.64 No Recovery 523.64 Silica sand 50 mm 010 slot 6- For an interval from 523.40 m to 521.87 m end cap 522.64 Well Completion Details: Screened interval from 523.40 m to 521.87 m end cap Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) www.22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling Notes: DRILLID DX Coepe Dawrenter 2.27 (D) DOGED BY:RH DRILLID ATE: 2022 May 6 LOGGED BY:RH DRILLID ATE: 2022 May 6 LOGGED BY:RH DRILLID ATE: 2022 May 6 LOGGED BY:RH	_ 4	-									<u> </u>					-524
3 5 522.64 No Recovery 5 6 No Recovery 5 5 8 End of monitoring well at 521.87 m 9 Well Completion Details: Screened interval from 523.40 m to 521.87 m 9 9 Bernard to polypic (TOP) = 528.71 m 6 9 Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) 0 Notes: 0 DRILLING METHOD: DRILLING ME	22/9/8															-
5 522.64 No Recovery silica sand 50 mm 010 slot PVC pipe 6 Find of monitoring well at 521.87 m Well Completion Details: Screened interval from 523.40 m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: DRILLING METHOD: DRILLING METHOD: DRILLING METHOD: DRILLED ZWAY 6 DRILLING METHOD: DRILLING METHOD: DRILLING METHOD: DRILLED ZWAY 6	TOS															ŀ
5- 522.64 No Recovery 523 6- Find of monitoring well at 521.87 m Silica sand 50 mm 010 slot PVC pipe 8- End of monitoring well at 521.87 m end cap Well Completion Details: Screened interval from 523.40 m to 521.87 m end cap Begen better at top of pipe (TOP) = 528.71 m Groundwater Information: pepth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to Notes: Sheet 1 of 2 DRILLIDATE: 2022 May 6 LOGGED BY: RH DRILL DATE: 2022 May 6 LOGGED BY: RH	JRE.(♦.							Ļ
5 522.64 No Recovery 523 6 Find of monitoring well at 521.87 m Find of monitoring well at 521.87 m 8 Well Completion Details: Screened interval from 523.40 m to 521.87 m 8 Elevation at top of pipe (TOP) = 528.71 m 9 Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) 0 DRILLING METHOD: BOREHOLE DIAMETER: 0.2 m (OD) 0 DRILLING METHOD: DRILLE DATE: 2022 May 6 0 LOGGED BY: RH DRILLE DBY: Geo-Environmental	OISTI												E	44 1 - 1 4 -		
5 522.64 No Recovery Silica sand Silic	5.2 M	1														500
522.64 -No Recovery 6 -No Recovery 6	≫ NA	-									1			1. 1. 1.		-523
Bit Ling METHOD: Hollw Stem Auger Drilling DRILLING METHOD: Hollw Stem Auger Drilling DRILLID ATE: 2022 May 6	2	500.04							•.					••	silica sand 50 mm 010 slot	Ē
6	SIL	522.04	No Recovery												PVC pipe	F
6 End of monitoring well at 521.87 m Well Completion Details: Screened interval from 523.40 m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: BOREHOLE DIAMETER: LOGGED BY: RH DRILLED BY: Geo-Environmental	3.30.6	-														ŀ
6- End of monitoring well at 521.87 m	22.06	-														ŀ
End of monitoring well at 521.87 m Well Completion Details: Screened interval from 523.40 m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	<u>ک</u> 100	4									<u> </u>					-522
Well Completion Details: Screened interval from 523.40 m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED ATE: LOGGED BY: RH DRILLED BY: Geo-Environmental	003_0		End of monitoring v	n			1						-	end cap		
Bill Screened interval from 523.40 m to 521.87 m Elevation at top of pipe (TOP) = 528.71 m Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	25.00(Well Completion De	etails:												
Groundwater Information: Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	9.301		Screened interval f	rom 523.40 m pipe (TOP) = 5	to 521.87 m 28.71 m											
Depth to groundwater from TOP = 2.16 m (May 13, 2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	:) 20(Groundwater Inform	nation:												
2022) MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	TURE		Depth to groundwa	ter from TOP :	= 2.16 m (May 13,											
MW22-307S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental	MOIS		2022)													
MW22-307S was straight drilled adjacent to Image: Constraint of the constr	00															
Image: Drilling Hollow Stem Auger Drilling Notes: BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental Sheet 1 of 2			MW22-307S was s	traight drilled a	adjacent to							<u> </u>				
DRILL DATE: 2022 May 6 LOGGED BY: RH DRILLED BY: Geo-Environmental Sheet 1 of 2	OREH	DRILLIN	G METHOD: Hollow DLE DIAMETER: 0.2 m (Stem Auger Drill	ing	Note	s:									
	SLRB	DRILL D	ATE: 2022 May 6		BY: RH BY: Geo-Environmental									She	et 1 of 2	

				CLIENT: Dundalk Villa	ige Two li 27 Conc 1	1C. South	nasta	`		Monitor	ing W	ell LOG	
			SLR	ADDRESS: ON	000	30uti	iyatt	Ξ,	BOREH		N22-3	807S	
		Ê	LTING (CANADA) LTD.	SLR JOB NO: 209.30125.00	<u>003</u> ш				SURFACE EL	EVATION: 527.	97 m		Ê
í.		NOI			TYP	₽	/ery	Ы	1231				NOI
DTH	Ξ	EVAT	SOI	IL DESCRIPTION	MPLE	MPLE	Reco	Γ⊥	SPT Count	▲ % Maiatura	MPLI	COMPLETION	EVAT
Ц С	5		MM/00 007D		SA	SA	%	so	10 20 30 40 50	20 40 60 80100	NO N	NOTES	
			MW22-307D										
8/6/													
DT 22													
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5.2 MG													
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OREH	DR BO	RILLING	METHOD: Hollow S LE DIAMETER: 0.2 m (0	Stem Auger Drilling OD)	Notes:								
SLRE	DR	RILL DA	TE: 2022 May 6	LOGGED BY: RH DRILLED BY: Geo-Environme	ntal						She	et 2 of 2	

			CLIENT:	Dundalk Village	Two	Inc.		•		Mor	nitori	ing	W	ell LOG	
		SLK ~	ADDRESS:	ON		1 3000	ıyat	σ,	BOREH	HOLE NO:	MV	V2	2-3	308D	
S		ULTING (CANADA) LTD.	SLR JOB NO	209.30125.00003	3		1		SURFACE EL	EVATION:	522.3	35 m			Ê
DEPTH (m)	ELEVATION (r	SO	IL DESCRIPT	ION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆% Mc 20 40 6	oisture 0 80100	WELL	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (r
1	522.35 - 522.17 - -	TOPSOIL Organics, silt, trace with depth, moist Silty SAND Some medium-coar banded (1-3 mm), g brown, loose-compa	fine sanddarł rse sand, traco gravel (sub-roo act, wet	k brown, soft-firm e organics, trace silt, unded/rounded),	X	0-0.6	62.5 8.3		8 33				Ţ		-522
2	520.62	Silty SAND TILL Fine sand, some cla cobbles, brown, low	ay, some grav / plasticity, de	el, some crushed nse, hard, moist-dry	X	*5-5.5 5.5-7	75.0		20					bentonite seal	- -521 - -
3	519.30	Trace-some mediur	d crumbly day		7.5-9.5	29.2	•	>50						-520	
2/9/8	- - - 518.54	Some fine to mediu	m sand, some	e gravel (sub-angula	r	10-12	20.8	•.	>50						- -519 - -
AN V5.2 MOISTURE.GDT 22	-	/ sub-rounded), low	plasticity, bro	wn, very hard, dry		12.5-14.	5 12.5	•	>50					silica sand 50 mm 010 slot PVC pipe	-518
3.30.GPJ SLR_C/						15-17	33.3	●.	>50 🗖						-
2022.0	517.02	Brown-grey, crumbl	y, dry			17.5-18	16.7		>50 🔳					end cap	-517
125.00003_MG_2		End of monitoring w Well Completion De Screened interval fr Elevation at top of p	vell at 516.86 etails: rom 518.39 m pipe (TOP) = 5	m to 516.86 m 523.18 m										F	
ISTURE) 209.30		Groundwater Inform Depth to groundwat 2022)	nation: ter from TOP :	= 1.55 m (May 13,											
		* denotes soil samp	le taken for la	ıb analysis											
OREH	DRILLIN	G METHOD: Hollow DLE DIAMETER: 0.2 m (*	Stem Auger Drill OD)	ing	Notes	s: 💌	SPLI	T SPC	ON						
SLRB	DRILL D	ATE: 2022 April 29	LOGGED DRILLED I	BY: AW BY: Orbit Garrant									She	et 1 of 1	

SURF PROPERTING TO 2016 2016 2010 SURFACE PROPERTING TO 2016 2016 SUPERATION PROPERTING TO 2016 SUPERATION SUPERATI				CLIENT:	Dundalk Village	Two I	nc.		_			Мо	nitor	ing	W	ell LOG	
BUCCONDUCTIVE (CAMADA ITC) Selection Selection <t< th=""><th></th><th>-</th><th>SLR[®]</th><th>PROJECT: ADDRESS:</th><th>Lots 223 & 227 C ON</th><th>onc '</th><th>1 South</th><th>ngat</th><th>е,</th><th></th><th>BOREH</th><th>IOLE NO:</th><th>M۱</th><th>N2</th><th>2-3</th><th>808S</th><th></th></t<>		-	SLR [®]	PROJECT: ADDRESS:	Lots 223 & 227 C ON	onc '	1 South	ngat	е,		BOREH	IOLE NO:	M۱	N2	2-3	808S	
Image: Second	S	LR CONSU	JLTING (CANADA) LTD.	SLR JOB NO	209.30125.00003	1		1		SUR	RFACE EL		I: 522.	20 m			Ê
1 20 CP 601. CP	DEPTH (m)	ELEVATION (n	SO	IL DESCRIPT	ION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SPT	Count	● % N	loisture		WATER LEVE	WELL COMPLETION NOTES	ELEVATION (r
520.47 Sity SAND TILL Fire sand, some clay, some gravel, some crushed cobbles, brown, low plasticity, dense, hard, moist-dry allice sand 2 Sity SAND TILL 3 End of monitoring well at 519.15 m Well Completion Details: Screened interval from 520.88 m to 519.15 m Well Completion Details: Screened interval from 520.88 m to 519.15 m Groundvater Information: Dept to groundvater from TOP = 1.70 m (May 13, 202) MW22-308D was straight drilled adjacent to Notes:		522.20 522.02	TOPSOIL Organics, silt, trace with depth, moist Silty SAND Some medium-coal banded (1-3 mm), g brown, loose-compa	fine sanddark rse sand, trace gravel (sub-rou act, wet	brown, soft-firm e organics, trace silt, unded/rounded),						30 40 50		<u></u>		⊻	bentonite seal	-522
3- End of monitoring well at 519.15 m Well Completion Details: Screened interval from 520.68 m to 519.15 m end cap Elevation at top of pipe (TOP) = 523.23 m Groundwater Information: Depth to groundwater from TOP = 1.70 m (May 13, 2022) MW22-308S was straight drilled adjacent to MW22-308D MW22-308S was straight drilled adjacent to DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (OD) DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: Notes:	GPJ SLR_CAN V5.2 MOISTURE.GDT 22/9/8 N	520.47	Silty SAND TILL Fine sand, some cla cobbles, brown, low	ay, some grav / plasticity, de	el, some crushed nse, hard, moist-dry											silica sand 50 mm 010 slot PVC pipe	520
Well Completion Details: Screened interval from 520.68 m to 519.15 m Elevation at top of pipe (TOP) = 523.23 m Groundwater Information: Depth to groundwater from TOP = 1.70 m (May 13, 2022) MW22-308S was straight drilled adjacent to MW22-308D DRILLING METHOD: BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 4 LOGGED BY: RH	2.08.30		End of monitoring w	vell at 519.15	 m	_				<u> </u>						end cap	-
DRILLING METHOD: Hollow Stem Auger Drilling Notes: BOREHOLE DIAMETER: 0.2 m (OD) DRILL DATE: 2022 May 4 LOGGED BY: RH Sheet 1 of 1	0LE LOG (MOISTURE) 209.30125.00003_MG_202.		Well Completion Details: Screened interval from 520.68 m to 519.15 m Elevation at top of pipe (TOP) = 523.23 m Groundwater Information: Depth to groundwater from TOP = 1.70 m (May 13, 2022) MW22-308S was straight drilled adjacent to MW22-308D														
DRILL DATE: 2022 May 4 LOGGED BY: RH			METHOD: Hollow	Stem Auger Drill	ing	Notes	:		I		<u> </u>	<u> </u>	· · · :	I	_	1	1
		DRILL DA	ATE: 2022 May 4		BY: RH										She	et 1 of 1	

			CLIENT: Dundalk Village	Two	Inc.	hast	•		Mon	itori	ng	W	ell LOG	
		SLR~	ADDRESS: ON	Sonc	1 Sout	ngat	e,	BOREH	IOLE NO:	MV	V2	2-3	809D	
SL	R CONSU	LTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003	; ш				SURFACE EL	EVATION:	521.8	32 m			Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPTION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆ % Mo	isture) 80100	WELL COMPLETIOI	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
	521.82 521.67	_ TOPSOIL _\Organics_dark brow	vn moist	/	0-2	75.0	0	■ 10					silica sand	-
1-	521.06	Silty SAND Medium-fine sand, s mottling, soft, moist Silty SAND TILL	silt, trace clay, light brown, orange		*2.5-4.5	29.2	0	8				Ţ		-521
. . .		Medium-fine, grave brown, soft, compac	l (angular) and cobbles, silty, light ct, moist	X	*5-7	41.7	•	27						-520
2-	519.53	wet					•							Ē
3-	519.28 518.77	Fine sand, cobbles,	light brown, compact, moist-wet		7.5-9.5	100.0								- 519 -
-	519.01	No Recovery		С		0.0	•.	>50						- - -
4-	516.01	Some orange mottli	ng, dry-moist		12.5-14.	566.7		>50						- 518
5-	5- 15-17 100.0 10-10 100.0 bentonite seal								- 517 -					
6-					17.5-19.	5 70.8	•	■ 4	7					-516
7-				X	20-22 22.5-24.	91.7 5100.0	•	■ 44 50 ■	·					- - -515 -
-	514.20	Wet from 7.62 m to	EOH	Y	25-27	41.2	●.	>50 🗖						- - -514
-0							•							-
- 9-					27.5-29.	5 54.2	●.					•		-513
10-					30-32	37.5	•	>50 🖿	 				silica sand 50 mm 010 slot	-512
-					32.5-34.	562.5	●	>50 🔳				:	r vo pipe	-
11-	511.15	COBBLE Pulverized cobble		X	35-37	66.7		>50 _					end cap silica sand bentonite seal	- 511 -
	End of monitoring well at 510.39 m												1	
		Well Completion De Screened interval fr Elevation at top of p	etails: rom 512.68 m to 511.15 m pipe (TOP) = 522.91 m											
		Groundwater Inform Depth to groundwat 2022)	nation: ter from TOP = 2.26 m (May 13,											
	* denotes soil sample taken for lab analysis													
		METHOD: Hollow	Stem Auger Drilling	Notes		SPLI		I I I I I I I I I I I I I I I I I I I	<u>↓ . : :</u>			1	1	1
	DRILL DA	TE: 2022 May 3	LOGGED BY: RH DRILLED BY: Geo-Environmental									She	et 1 of 1	

				lk Village Tv	wo In	IC.	ast				Mon	itori	ng	W	ell LOG	
	D.CO.	SLK ~	ADDRESS: ON	23 a 221 60	пс 1	South	yat	3,	B		DLE NO:	MV	V2	2-3	809S	
SI	LR CONS	ULTING (CANADA) LTD.	SLR JOB NO: 209.30	125.00003	ш				SURFAC	CE ELE	VATION:	521.8	35 m 7			Ê.
DEPTH (m)	ELEVATION (SO	IL DESCRIPTION		SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Col	ount	◆ % Moi	isture	WELL COMPLETIO	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
	521.85 521.70		un moist					<u>x1 /z _x1</u>		40 50	20 40 60	<u>J 80100</u>	Ī		silica sand	-
		Silty SAND Medium-fine sand, mottling, soft, moist	silt, trace clay, light bro	own, orange				0 0 0 0						- -		-
1.	521.09	Silty SAND TILL Medium-fine, grave brown, soft, compa	l (angular) and cobbles ct, moist	s, silty, light	-			•						Ţ		-521
2.	-							•								-520 -
	519.56	i19.56 wet													bentonite seal	ŀ
	519.31	Fine sand, cobbles	, light brown, compact,	moist-wet												
3.	518.80	No Recovery			-			•								-519 - -
DT 22/9/8 .5	- 518.04	Silty SAND TILL Medium-fine, grave brown, orange mot	I (angular) and cobble: ling, soft, compact, dry	s, silty, light <i>i-</i> moist	-			↓								-518
U SLR_CAN V5.2 MOISTURE.G	-							•.							silica sand 50 mm 010 slot PVC pipe	-517
MG_2022.08.30.GF 9	-							•								- -516
0003		End of monitoring v	vell at 515.75 m													
209.30125.0		Well Completion De Screened interval fi Elevation at top of p	etails: rom 517.28 m to 515.7 pipe (TOP) = 522.83 m	5 m												
E LOG (MOISTURE)		Groundwater Information: Depth to groundwater from TOP = 2.14 m (May 13, 2022)														
		G METHOD: Hollow	Stem Auger Drilling	N	otes:					: :	<u> </u>	<u> </u>				
R BOR		OLE DIAMETER: 0.2 m (ATE: 2022 May 3	OD) LOGGED BY: RH											0	ot 1 -£ 1	
പ്		ING METHOD: Holiow Stem Adger Dhilling SHOLE DIAMETER: 0.2 m (OD) DATE: 2022 May 3 DRILLED BY: Geo-Environmental Notes: Sheet 1														

			CLIENT:	Dundalk Village	Two	Inc.	has	•			Μ	onito	ring	j W	ell LOG	
	P.CONC.		ADDRESS:	ON 200 20125 0000	20110	1 3001	ingat	е,		BORE		D: M	W2	2-3	310	
SL	<u>R CONSL</u>	ILTING (CANADA) LTD.	SLR JOB NO	209.30125.0000	<u>з</u> "				SU	RFACE EL TEST)N: 523	z	」 2		Ē
DEPTH (m)	ELEVATION (SO	IL DESCRIPT	ION	SAMPLE TYF	SAMPLE ID	% Recovery	SOIL TYPE	■SP1 10 20	Γ Count	♦ %) _ 20 4	Moisture 0 60 8010		WATER LEVI	WELL COMPLETION NOTES	ELEVATION
	523.21	TOPSOIL Organics, dark brow	vn, soft, moist			0-2	100.0	<u>112 112</u>	5						silica sand	-523
1-	522.45	Silty SAND TILL Fine sand, some gra moist	avel, and cobl	oles, ligh brown, sof	it,	2.5-4.5	54.2		5					Ţ		-522
2-	521.69	Increased gravel co	ntent with dep	oth, hard, moist-dry		5.7	91.7	•		17						
3-	500.40					7.5-9.5	50.0	•		>50						
	520.16	COBBLE Cobble chips, some	e sand and silt	:	С)	0.0	0000		>50 🔳						-520
4-	519.40	Silty SAND TILL Fine sand, clay, gra cobbles, light brown	vel (angular to n, moist	o sub-angular),		12.5-14	.5 33.4	•		>50					bentonite seal	- 519
5-	518.64	Cobble chips, dense	e/hard, dry			15-17	41.7	●.		>50 🔳						- - 518
6-	-					17.5-19	.5 54.2	•		>50 🔳						-
E.GDT 22/9/8	516.35					20-22	66.7			>50 🔳						517 - -
2 MOISTUR	-	No Recovery (cobb	le)		С)	0.0			>50						- -516 -
-8 - CAN V5	515.59	SILTY SAND TILL Fine sand, gravel (a dense, increasing s through auger	angular) and c ilt and clay co			25-27	33.4	●.		>50 🖿					silica sand 50 mm 010 slot	- - -515
2022.08.30.G	-					27.5-29	.5 25.0	●.		>50 🔳					PVC pipe	-
.00003_MG		End of monitoring w Well Completion De Screened interval fr	vell at 514.07 etails: rom 515.59 m	m to 514.07 m												
01STURE) 209.30125		Elevation at top of p Groundwater Inform Depth to groundwat 2022)	hipe (TOP) = 5 nation: er from TOP :	= 2.32 m (May 13,												
		* denotes soil samp	le taken for la	b analysis												
OKEH	DRILLING BOREHO	METHOD: Hollow LE DIAMETER: 0.2 m (Stem Auger Drill OD)	ing	Notes	s: 🗙	SPL NO F		ON /ERY							
SLRB	DRILL DA	TE: 2022 May 3	LOGGED DRILLED I	BY: RH 3Y: Geo-Environmental										She	et 1 of 1	

			CLIENT: Dundalk Village	Two	Inc.		~		Moni	toriı	ng	W	ell LOG	
		SLR [®]	ADDRESS: ON	Sonc	1 Souti	nga	e,	BOREH	IOLE NO:	MW	/22	2-3	811	
SL		JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003	; 				SURFACE EL	EVATION:	521.0	5 m _	_		Ê
DEPTH (m)	ELEVATION (r	SO	IL DESCRIPTION	SAMPLE TYPI	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	 ♦ % Moist 20 40 60 8 	ture	WELL COMPLETION	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (I
	521.05 520.82	TOPSOIL → Eine sand silt som	ne organics (rootlets), dark brown		0-0.75	66.7	<u>717</u> 71	1 6						-521
	520.29	soft, moist Silty SAND Trace medium-coal	rse sand, silty, brown, orange-dark		2.5-2.75	12.5		14					bentonite seal	-
1-	-	brown mottling, sof Large cobble	t, moist-wet											-520
2-	519.53	Silty SAND TILL Increased medium- gravel (sub-angular clay, brown, dense/ gravel/cobbles with	-coarse sand, silty, trace-some r / sub-rounded), cobbles, trace /hard, saturated-moist, increasing depth		5-7	29.2	•	9				Ţ		- 519
3-	-				7.5-9.5	29.2	●.	>50	 					-518
	-				10-12	41.7	•	>50 🖿						-
4-					12.5-14.	5 8.3	•						grout	- 517 -
5-	516.48	Grey, very dense, n	noist		15-17	16.7	●.	>50 🗖						- - -516
	515.72	No recovery		C)	0.0		>50 🖿						- - -
6-	514.95	Sandy SILT TILL Fine-coarse sand, s (sub-angular/sub-ro cobbles, grey, very	some gravel somed), trace clay, crushed dense, moist		20-22	20.8	 ∳.	>50						- -515 - -
7-	-				22.5-24.	5 20.8	●.	>50					bentonite seal	-514
	513.43	No recovery			1		μи					•		-
8-	512.67)	0.0		>50 🗰					silica sand 50 mm 010 slot PVC pipe	-513
		Sandy SILT TILL Silty, some gravel,	grey, very dense, moist-saturated		27.5-29.	5 45.8	●.	>50 🗖					and can	-
		End of monitoring v	vell at 512.03 m										enu cap	
07100.007		Well Completion Do Screened interval fi Elevation at top of p	etails: rom 513.56 m to 512.03 m pipe (TOP) = 521.88 m											
		Groundwater Inforn Depth to groundwa 2022)	nation: ter from TOP = 2.75 m (May 13,											
2		* denotes soil sam	he taken for lab analysis											
		METHOD: Hollow	Stem Auger Drilling	Note	+ s:	SPL	T SPO	I I I I I I I I I I I I I I I I I I I		·			1	
		DLE DIAMETER: 0.2 m (ΔΤΕ· 2022 Δpril 26	LOGGED BY: AW		0	NOI	KECO/	/ERY				<u>.</u>		
3			DRILLED BY: Orbit Garrant									She	et 1 of 1	

			CLIENT: Dundalk Village	Two I	nc. 1 South	hao+	0		Mon	itori	ng	W	ell LOG	
			ADDRESS: ON	onc	1 3000	iyat	e,	BOREH	IOLE NO:	520 f	V2	2-3	812	
SL	<u>E</u>	ILTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003	щ				SURFACE EL		520.0	z			E E
)EPTH (m)	LEVATION (SO	IL DESCRIPTION	AMPLE TYF	AMPLE ID	6 Recovery	OIL TYPE	■SPT Count	◆ % Moi	sture		VATER LEV	WELL COMPLETION NOTES	LEVATION
	ш 520.61	TOPSOIL		0	<u>ہ</u>	•	<u>v, 1'</u> <u>v</u>	<u>10 20 30 40 50</u>	20 40 60	80100	>0	>		<u>ш</u>
	520.15	Silty SAND Some medium sand orange mottling, loc	d, trace silt, trace gravel, brown, se, soft, wet		0-2	91.7		4				Ţ		- - -520
1-	519.54	Silty SAND TILL Fine sand, trace gra brown-grey, compa	avel (sub-angular-angular), ct/hard, moist-wet		2.5-4.5	62.5	•	10					bentonite seal	-
2-	519.09	No orange mottling	onward		5-7	20.8	◆.	15						-519 - -
3-	-				7.5-9.5	37.5	•.	18						- 518 -
	517.56	Gravelly SAND Fine sand, trace co brown-grey, soft, de	arse sand, trace cobble, trace silt, ense, wet		10-12	20.8	0 0 0 0	38					silica sand 50 mm 010 slot	- 517
	516.04				12.5-14.	566.7	0 0 0 0	37					end can	-
5-5-5-	516.01	Trace gravel, trace Silty SAND TILL Trace gravel, grey,	silt, grey, dense, moist very dense, very hard, moist		15-17	16.7	•	>50 🖿					silica sand bentonite seal	-516
		End of monitoring v	<i>v</i> ell at 515.28 m											
0000 MG 20		Well Completion De Screened interval fi Elevation at top of p	etails: rom 517.56 m to 516.04 m pipe (TOP) = 521.66 m											
		Groundwater Inforn Depth to groundwa 2022)	nation: ter from TOP = 1.25 m (May 13,											
		* denotes soil samp	ole taken for lab analysis											
		METHOD: Hollow	Stem Auger Drilling	Notes		SPLI	T SPO	ON	1 : : :	_: :		_	1	1
	DRILL DA	TE: 2022 April 20	LOGGED BY: MJ									She	et 1 of 1	
5		•	DRILLED BY: Geo-Environmental									0110		

			CLIENT:	Dundalk Village	Two	Inc.	haot	•			Мо	onito	rin	g W	lell LOG	
		SLK	ADDRESS:	ON 00405 00000	Jone	1 Soul	ngat	e,		BORE	HOLE NC	. M	W	22-	313D	
SI	<u>R CONSL</u>	JLTING (CANADA) LTD.	SLR JOB NO:	209.30125.00003	у				SU	RFACE EL	<u>EVATIO</u>	N: 520	00.00	m z d		Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPT	ION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SP1	Γ Count	♦%	Moisture	MFL	COMPLETIO	WELL COMPLETION NOTES	ELEVATION (
1-	520.00 519.87 519.24	TOPSOIL Fine sandy silt, orga brown, soft, moist Silty SAND Silty, trace medium- dark brown mottling Trace gravel (sub-a gravel with depth, tr	-coarse sand, , soft, moist, h ingular/sub-roi ace cobbles, s), trace clay, dark trace clay, brown, igh plasticity unded), increased saturated											silica sand	- - - -519 -
2.	517.56												-			-518
3-	516.95	Sanoy SIL1 TILL Silty fine sand, som (sub-rounded/sub-a Orange mottling/sta	e gravel angular), firm-h aining (oxidatio	nard, moist n)				•						I		- 517 -
4	- 516.19	No recovery						•					-			- 516 -
5-	515.43	Silty SAND TILL Silty fine sand, som (sub-rounded/sub-a	le gravel angular), firm-h	nard, moist				•.					-	Ţ	bentonite seal	- 515 -
6	513.90	Silty, cobble chips,	wet			20-22	37.5	•		>50				I		- 514 - -
7·	513.14	SAND Coarse sand, silty, g trace clay, light brow	gravel (angula wn, dense, we	r), cobble chips, t-moist		22.5-24	.533.3			>50			-			- -513 - -
9 8 8	-					25-27	83.3			>50			-			- -512 -
	-					27.5-29 30-32	.5 70.8			>50					cilias cond	-511 511 -
10. 10.	510.09	No Recovery			С)	0.0		_	>50 🖿					50 mm 010 slot PVC pipe	-510
MG_2022.08.3	509.33	SANDY SILT TILL Fine sand, clay, gra	vel, light brow	n, wet		35-37	20.8	•.		≥50_∎					end cap silica sand bentonite seal	- - 509 -
0LE LOG (MUISTUKE) 209.30125.00003_1	End of monitoring well at 508.57 m Well Completion Details: Screened interval from 510.86 m to 509.33 m Elevation at top of pipe (TOP) = 521.06 m Groundwater Information: Depth to groundwater from TOP = 5.93 m (May 13, 2022) * denotes soil sample taken for lab analysis DRILLING METHOD: Hollow Stem Auger Drilling BOREHOLE DIAMETER: 0.2 m (QD)															
	DRILLING BOREHO	METHOD: Hollow	Stem Auger Drilli OD)	ng	Notes	s: 📉	SPLI NO F	T SPC RECO\	ON /ERY							
SLR B	DRILL DA	ATE: 2022 May 5	LOGGED I DRILLED E	BY: RH BY: Geo-Environmental										Sh	eet 1 of 1	

			CLIENT: Dundalk Village	Two	Inc.	haat	•		Mon	itori	ng	W	ell LOG	
		SLK	ADDRESS: ON	5011C	i Sout	nyat	с,	BOREHO	DLE NO:	MV	V2	2-3	313S	
SL	R CONSL	JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.0000	<u>з</u> ш				SURFACE ELE	VATION:	520.0	3 m			Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPTION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆ % Moi	sture	WELL COMPLETIO	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
	520.03 519.90 519.27	TOPSOIL Fine sandy silt, orga brown, soft, moist Silty SAND Silty, trace medium- dark brown mottling Trace gravel (sub-a gravel with depth, tr	anics (rootlets), trace clay, dark -coarse sand, trace clay, brown, g, soft, moist, high plasticity angular/sub-rounded), increased race cobbles, saturated		0-2	25.0		■ 10 ■ 13				Ţ		519
2-	-				5-7	54.2		14					bentonite seal	- - - -518
	517.59	Sandy SILT TILL Silty fine sand, som (sub-rounded/sub-a	ne gravel angular), firm-hard, moist	X	8-9.5	79.2		34						-
	516.98	Orange mottling/sta	aining (oxidation)		10-12	25.0		>50				÷.		-517 - - -
4-	516.22	No recovery		С)	0.0	•	>50						- -516 - -
5-	515.46	Silty SAND TILL Silty fine sand, som (sub-rounded/sub-a	ne gravel angular), firm-hard, moist		15-17	25.0	• •	>50 🗖					silica sand 50 mm 010 slot PVC pipe	- 515 -
	-	End of monitoring v	vell at 514.09 m)	4.2		>50				- - - -	end cap	-
I		Well Completion De Screened interval fr Elevation at top of p	etails: rom 515.61 m to 514.09 m pipe (TOP) = 520.85 m nation:											
		Depth to groundwal 2022)	ter from TOP = 1.19 m (May 13,											
		* denotes soil samp	ole taken for lab analysis											
\vdash		G METHOD: Hollow	Stem Auger Drilling	Notes	s:	SPLI	T SPO	⊡:_::::::: ON (50)		_: :				1
-		<u>ULE DIAMETER: 0.2 m (</u> ATE [.] 2022 April 27	LOGGED BY: AW	1	0	NO F	KECO/	/ERY				0		
			DRILLED BY: Orbit Garrant									Sne	el 1 OT 1	

SLR BOREHOLE LOG (MOISTURE) 209:30125.00003_MG_2022.08.30.GPJ SLR_CAN V5.2 MOISTURE.GDT 22/9/8

			CLIENT: Dundalk Village T	wo	Inc.	h	_			Mor	nitor	ing	W	ell LOG	
		SLR	ADDRESS: ON	onc	1 Sout	ngat	е,		BOREH	IOLE NO:	M٧	V2	2-3	814	
S		JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.00003	1				SU	RFACE EL	EVATION:	517.	28 m			Ê
DEPTH (m)	ELEVATION (n	SO	IL DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SP1	Count	◆ % Mo	isture	WELL COMPLETION	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (r
	517.28 517.13	TOPSOIL					<u>71 1</u> 7	10 20	<u> </u>		0 00 100			cement	-
		SAND Silty, occasional me orange-black mottli	edium sand, trace gravel, brown, ng, loose, frim, moist		0-2	70.8		4					Ţ		-517 - -
1.	516.52	Gravelly SAND Fine sand, some co	bbles, brown-grey, loose, firm, wet		2.5-4.5	41.7	0 0	14							- - -516
2.	515.76 515.65	Silty SAND TILL Some silt, occasion brown/grey - orange Orange mottling, lo	al coarse sand, trace gravel, e mottling, loose, soft-firm, wet ose, firm, wet		5-7	41.7	•	6							-
	514.99	Gravelly SAND Probably till, fine-m trace cobble, brown increasing gravel co	edium sand, gravel (angular), I-grey, dense, firm, moist-dry, ontent with depth		7.5-9.5	41.7	• • •		>50					bentonite seal	-515 - -
3.	-				10-12	41.7	0 0 0		39						- 514 -
4	-				12.5-14	.5 33.3	0 0 0		>50						- - -513
GDT 22/9/8 G	-				15-17	33.3	0 0 0		>50					silica sand 50 mm 010 slot	- - - -512
N V5.2 MOISTURE.	-				17.5-19	.566.7	0 0 0		>50					PVC pipe	-
8.30.GPJ SLR_CAI	-				20-22	37.5	0 0 0		>50 🖿					silica sand	-511 - -
022.0		End of monitoring v	vell at 510.42 m												
0003_MG_2(Well Completion De Screened interval fi Elevation at top of p	etails: rom 512.71 m to 511.18 m pipe (TOP) = 518.25 m												
KE) 209.30125.0		Groundwater Inforn Depth to groundwa 2022)	nation: ter from TOP = 1.55 m (May 13,												
E LOG (MOISTUR		* denotes soil samp	ole taken for lab analysis												
		G METHOD: Hollow	Stem Auger Drilling			SPL	T SPC				<u> </u>				
	BOREHC	DLE DIAMETER: 0.2 m (OD)	10168		OF L									
SLR	DRILL DA	ATE: 2022 April 20	LOGGED BY: MJ DRILLED BY: Geo-Environmental										She	et 1 of 1	

			CLIENT: Dundalk Village	e Two	Inc.	nact	•		Mon	itori	ng	We	ell LOG	
		SLR	ADDRESS: ON	Conc	1 South	igat	e,	BOREH	OLE NO:	MV	V22	2-3	15	
SL	R CONSL	JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.0000	<u>и</u>				SURFACE EL	EVATION:	516.0	7 N	Ц		Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPTION	SAMPLE TYP	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count 10 20 30 40 50	◆ % Moi 20 40 60	isture) 80100	WELL COMPLETIO	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
	518.81 518.61				*0-0.4 /	50.0		5					cement	-
1-	518.05	Some silt, trace gra mottling, brown, firm Trace medium sand and gravel content to	vel, trace clay, orange-black n, loose, moist d, hard, moist, increasing density with denth	X	2.5-5	33.3	•	9						-518 518 -
2-	517.29	Firm, compact, mois	st		5-7.5	66.7	•	1 5						- 517 -
	- - -			X	7.5-10	100.0		4	8	· · · · · · · · · · · · · · · · · · ·		▼		- - 516
3-				X	10-12.5	41.7	•.	>50 🔳		· · ·				-
4-					12.5-15	62.5		>50 🔳						-515
5-					15-17.5	83.3	•		9				bentonite seal	-514
6-					17.5-20	79.2		>50						- -513
7-				X	20-22.5	79.2	●.	34		· · · · · · · · · · · · · · · · · · ·				- 512
				Ă	22.5-25	54.2	•	>50						- - -511
8-					25-27.5	37.5	•	>50						
9-					27.5-30	16.7		>50						-510 -
10-				X	32.5-35	8.3								- -509
5 11-				X	35-37.5	20.8	•	>50-						- - 508
				X	37.5-40	33.3		>50 🔳					silica sand 50 mm 010 slot PVC pipe	- - -507
12-	506.41										:日:		end cap silica sand	Ē
		SAND Fine-medium sand, <u>compact, wet</u>	gravel (angular), light grey, firm,		40-42.5	41.7		>50 🗰					bentonite seal	- -506
		End of monitoring w	vell at 505.86 m	_										
000		Well Completion De Screened interval fr Elevation at top of p	etails: rom 508.14 m to 506.62 m pipe (TOP) = 519.73 m											
		Groundwater Inform Depth to groundwat 2022)	nation: ter from TOP = 3.89 m (May 13,											
		* denotes soil samp	ble taken for lab analysis	Notor			T SPC							
	BOREHO	LE DIAMETER: 0.2 m (OD)											
	DRILL DA	TE: 2022 April 28	LOGGED BY: MJ DRILLED BY: Geo-Environmenta	1							\$	She	et 1 of 1	

			CLIENT: Dundalk Villag	e Two Inc.	1 1 h n - 1			Mon	itori	ng	We	ell LOG	
0			ADDRESS: ON	Conc 1 Sol	itnga	e,	BOREH	OLE NO:	MV	V22	2-3	16	
SL	R CONSU	JLTING (CANADA) LTD.	SLR JOB NO: 209.30125.000	<u>03</u> ш			SURFACE EL	EVATION:	520.0	7 m			Ê
DEPTH (m)	ELEVATION (SO	IL DESCRIPTION	SAMPLE TYP SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count . 10 20 30 40 50	◆ % Moi _20 40 60	sture	WELL	WATER LEVE	WELL COMPLETION NOTES	ELEVATION (
-	520.07 519.84	TOPSOIL	vn. moist		27 5	<u> </u>	- c					silica sand	-520
- 1-	-	Silty SAND TILL Fine sand, silt, grav brown, soft, moist	rel (angular), trace clay, light	*2.5-4	.5	•	• • • •						- - 51!
2-	-			*5-7	33.3	◆.	1 3				Ţ		- - - -518
3-	517.78	Cobbles, light brow	n, dense/hard, dry	7.5-9.	5 83.3	•.	■35						51
4-	516.26	COBBLE		10-12	58.3		>50					bentonite seal	-
		Cobble chips, dry		12.5-1	4.5 20.8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	>50						-51) - - -
5-	514.74	No Recovery			0.0	000							51: - -
6 -	513.97	Silty SAND TILL Fine sand, gravel (a dense/hard, dry	angular), light brown-grey,	20-22	45.8		>50 🖿						-514
-7- - -	512.45	Wet from 7 62 to F	ОН	22.5-2	4.5 50.0	• •.	>50						- 51: - -
-8	-			25-27	45.8	●.	>50					silica sand 50 mm 010 slot PVC pipe	- 512 -
9-		End of monitoring w	vell at 510.93 m									end cap	- 51
		Well Completion De Screened interval fr Elevation at top of p	etails: rom 512.45 m to 510.93 m pipe (TOP) = 521.04 m										
		Groundwater Inform Depth to groundwat 2022)	nation: ter from TOP = 2.37 m (May 13,										
		* denotes soil samp	Stem Auger Drilling										
	BOREHO	LE DIAMETER: 0.2 m (Stem Auger Drilling OD)	Notes:	SPL NO I	RECO	/ERY						
	DRILL DA	TE: 2022 May 4	LOGGED BY: RH DRILLED BY: Geo-Environmenta	al						5	She	et 1 of 1	

Appendix C Groundwater Data

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022



Table C-1: Groundwater Elevations in Monitoring Wells

Monitor ID	Units	13-May-22	13-Jul-22
MW/22-301	mbgs	0.16	2.57
1010022-301	masl	530.83	528.42
N414/22 202	mbgs	1.68	2.15
1010022-502	masl	520.96	520.49
NAVA/22 202	mbgs	0.77	1.37
1010022-303	masl	517.58	516.98
NAVA/22 204	mbgs	0.71	1.80
1010022-304	masl	522.80	521.71
NAN22 205	mbgs	0.46	1.31
1010022-305	masl	523.28	522.43
MW22 2065	mbgs	0.43	1.30
1010022-3003	masl	522.42	521.55
MM/22 2000	mbgs	0.33	1.24
WW22-306D	masl	522.52	521.60
MM/22 2075	mbgs	1.41	2.23
1010022-3075	masl	526.56	525.74
NAN/22 2075	mbgs	1.24	2.06
WW22-307D	masl	526.67	525.85
MM/22 2095	mbgs	0.67	1.75
1010022-5085	masl	521.54	520.45
N411/22 208D	mbgs	0.72	1.89
WW22-308D	masl	521.63	520.46
MW22 2005	mbgs	1.15	-
1010022-5095	masl	520.70	-
MM22 200D	mbgs	1.17	-
1010022-309D	masl	520.65	-
MW/22 210	mbgs	1.27	1.96
1010022-310	masl	521.94	521.25
NANA22 211	mbgs	1.91	2.56
1010022-311	masl	519.14	518.49
N41N/22 212	mbgs	0.20	1.03
1010022-312	masl	520.41	519.58
M/M/22 2125	mbgs	0.36	1.43
1010022-3133	masl	519.67	518.60
MW/22-313D	mbgs	4.87	1.59
1010022-3130	masl	515.13	518.42
M\\\/22-214	mbgs	0.58	1.43
WIWZZ-J14	masl	516.70	515.85
M/W/22 21E	mbgs	2.97	3.96
1010022-313	masl	515.84	514.85
MW/22 216	mbgs	1.40	2.14
1010022-310	masl	518.67	517.94

Table C-2: Groundwater Elevations in Mini-Piezometers

Monitor ID	Units	13-May-22	13-Jul-22
MP1S	mbgs	0.16	0.43
	masl	516.77	516.50
MP1D	mbgs	-0.05	0.20
	masl	516.93	516.68
MP2S	mbgs	-0.15	-0.25
	masl	519.97	520.07
MP2D	mbgs	-0.80	-0.08
	masl	520.61	519.89
MP3S	mbgs	0.34	0.42
	masl	516.73	516.65
MP3D	mbgs	1.70	0.27
	masl	515.26	516.69
MP4S	mbgs	-0.03	Dry @ 0.86
	masl	523.65	Dry @ 522.76
MP4D	mbgs	0.22	1.46
	masl	523.36	522.12
MP5S	mbgs	-0.79	Dry @ 0.95
	masl	523.54	Dry @ 521.80
MP5D	mbgs	0.02	1.23
	masl	522.65	521.44
MP6S	mbgs	-0.04	0.36
	masl	520.95	520.55
MP6D	mbgs	-0.23	0.11
	masl	521.12	520.78





Appendix D Hydraulic Conductivity Testing

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022















Appendix E MECP Water Well Records

Preliminary Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No. 209.30125.00003

September 12, 2022


Table E-1: Summary of MECP Well Records

Well ID	Well Tag	Date Drilled	Well Depth (m)	Bottom Lithology	Water Use	Water Status	Depth Water at Found (m)	Static Level (m)	Pumping Rate (L/s)
1700350		26-Jul-67	31.1	Rock	Water Supply	Livestock	30.5	4.6	1.516
1700351		20-Feb-63	25.6	Gravel	Water Supply	Domestic	25.0	4.3	1.516
1700352		18-Oct-62	27.7	Rock	Water Supply	Domestic	19.8	7.3	0.91
1701035		6-Nov-69	36.9	Limestone	Water Supply	Livestock	35.4	7.3	0.606
1701454		6-Apr-73	64.6	Limestone	Water Supply	Domestic	64.6	12.2	1.592
1703380		5-May-87	24.4	Gravel	Water Supply	Domestic	21.3	1.8	1.516
2500876		28-Jun-53	43	Rock	Water Supply	Domestic		6.1	0.758
2500882		15-Oct-54	45.7	Limestone	Water Supply	Domestic	45.7	7.6	0.303
2500888		7-May-56	48.2	Limestone	Water Supply	Domestic	45.7	4	1.137
2500897		5-May-60	83.2	Limestone	Water Supply	Municipal	31.7	7	3.411
2500900		9-Jun-65	35.7	Gravel	Water Supply	Domestic	35.1	12.2	0.379
2502801		7-Mar-69	43.9	Rock	Water Supply	Livestock	41.1	10.7	1.137
2503215		1-Jul-70	39.6	Rock	Water Supply	Livestock	38.1	5.2	1.137
2503216		26-Jun-70	37.5	Rock	Water Supply	Livestock	35.1	12.8	0.758
2505795		17-Aug-76	40.2	Limestone	Water Supply	Domestic	39.0	18.3	0.606
2506029		15-Apr-77	33.2	Limestone	Water Supply	Domestic	32.6	11.6	1.364
2506475		29-Apr-78	28.3	Limestone	Water Supply	Domestic	28.3	3.7	1.516
2509109		15-Sep-87	55.8	Limestone	Water Supply	Domestic	55.8	16.5	0.455
2512639		30-Aug-94	42.1	Limestone	Water Supply	Domestic	33.2	17.1	0.531
2515004		25-Mar-02	100.6	Limestone	Water Supply	Municipal	47.2		
2515005		22-Apr-02	100.6	Limestone	Water Supply	Municipal	38.1		
2515188		25-Sep-02	73.5	Limestone	Water Supply	Domestic	64.0	28	0.379
2515624		4-Jun-03	43.3	Limestone	Water Supply	Domestic	36.9	8.2	0.91
2516415	A027686	9-Jun-05	6	Silt	Observation Wells	Not Used	1.5		
7041281	A005365	30-Nov-06	4.6	Silt	Test Hole	Not Used			
7049155	A047429	7-Apr-07	4.6	Silt	Observation Wells				
7116620		25-Nov-08	0		Abandoned-Other		1.2		
7155347		2-Sep-10	0		Abandoned-Other				
7155361		20-Sep-10	0		Abandoned-Other				
7166939	A117947	29-Jun-11	4.6		Test Hole	Test Hole			
7167449	A089996	20-Apr-11	32.3	Limestone	Water Supply	Domestic	32.0	2.2	3.411
7237016	A166231	3-Dec-14	6.1	Sand	Observation Wells	Monitoring	1.5		
7285238	A210321	17-Nov-16	7.6	Clay	Observation Wells	Monitoring	4.0		
7285242	A210296	15-Nov-16	7.6	Sand	Observation Wells	Monitoring			
7305297	A213693	7-Mar-17	0		Abandoned-Other	Not Used			
7305319	A213692	7-Mar-17	0		Abandoned-Other	Not Used			
7331881	A264297	5-Apr-19	4.6	Silt	Observation Wells	Monitoring	0.6	0.6	
7331882	A264292	5-Apr-19	6.1	Silt	Observation Wells	Monitoring			
7331883	A264294	5-Apr-19	4.6	Silt	Observation Wells	Monitoring	2.1	2.1	
7331884	A264296	5-Apr-19	6.1	Gravel	Observation Wells	Monitoring	2.1	2.1	
7331885	A264295	5-Apr-19	6.1	Silt	Observation Wells	Monitoring	2.1	2.1	
7331886	A264293	5-Apr-19	6.1	Silt	Observation Wells	Monitoring	1.2	1.2	
7339038	A258125	7-May-19	31.1	Limestone	Water Supply	Domestic	30.2	2.4	1.137
7367321	A295208	29-May-20	0						
7385248	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385249	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385250	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385251	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7389879	A294344	24-Feb-21	0						



5B UTM $5.R.5$ 5R $5.R.55R$ $727Elev. 5R 727Elev. 5R 730 WATER WELBasinty or District DuFFERINTDuFFERINT$ 7224	urces L Cownsl	Commission REC hip, Village, T	Act ORD	WAIFE RESC DIVISIO 17 N AUG 81 ONTARIO WA RESOURCES COTT MELAN TULI	967 CTAON 1967
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Type of screen	Pu	mping level		3 10	C
Length of screen	Du	ration of test	pumping		LAD
Depth to top of screen	Wa	ater clear or cl	oudy at end of	test CA	
Diameter of finished hole	Re	commended]	pumping rate.		G.P.M.
	wi	th pump settir	ng of 🔜 🖌 🤸	2 feet belo	bw ground surface
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SAND + GRAVEL		25	90	102	<u> </u>
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BITOWN TOCK		78	102		
			Location	of Well	
For what purpose(s) is the water to be used?		In diagra	m below show	distances of we	ell from
		road and	lot line. In	dicate north by	arrow.
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/N a.		400]	
Licence Number		H.			
Name of Driller or Borer CD AOICHIMAS		Jan 1			
Address DORHAM UNI			8 M.		
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(Signature of Licensed Drilling or Boring Contractor)		Jahr H			
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Form 7 15/01-60-4138	-				.c. 58
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GROUND WATER BRANC く 17AY Nº 1503 UTM ONTARIO WATER Ontario Water Resources Commission Act RESOURCES COMMISS Elev. ECORD Township, Village, Town or City Dielancth Basin County OI 5 20 7.7 Date completed Con. (day vear) unda ess Casing and Screen Record **Pumping Test** 14' 11 Static level Inside diameter of casing. Test-pumping rate 20 G.P.M. Total length of casing Pumping level Type of screen 2 Duration of test pumping. Length of screen Water clear or cloudy at end of test . Cleas. Depth to top of screen LN 10 Recommended pumping rate G P M Diameter of finished hole 25 with pump setting of. feet below ground surface Water Record Well Log Depth(s) at which water(s) found Kind of water From ft. To ft. (fresh, salty, sulphur) Overburden and Bedrock Record & Boulders 20 0 20 Gravel **A** Fine 4 ۷ avel Grave Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from forises 110 road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? 24 407225 Drilling or Boring Firm. fel N.K. Address.... Licence Number 10 0 $\overline{}$ 7 Name of Driller or Borer Address 🛣 .3 Date illing or Boring Contractor) (Signature of Licer Form 7 10M-62-1152 CSS.S8 P.C. OWRC COPY

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For what purpose(s) is the water to be used? DOMESTIC Is well on upland, in valley, or on hillside? UPLAND Drilling or Boring Firm DURHAM DRILLERS Address DURHAM ONTARIO BOX 299. Licence Number Mame of Driller or Borer E. HOTCHIP: SS Address DURHAM ONTARIO Name of Driller or Borer E. HOTCHIP: SS Address DURHAM ONTARIO Date JAN 4 TH 1963 Percentementary (Signature of Ilicensed Drilling or Boring Contractor) Form 7. 10M-62-1152	In diagram road and 2	Location	of Well distances of we icate north by #/0	Il from arrow. <u>HICHWAY</u>
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Is well a gravel-wall type?	Distance fro	m cylinder	or bowls to ground	level	••••				
W	ater Record	· · · · · · · · · · · · · · · · · · ·							
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Appearance (clear, cloudy, coloured)	av	arg	Horizon(s)						
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How far is well from possible source of contamination? What is the source of contamination?	•••••	•••••••••							
Enclose a copy of any mineral analysis that has been mad	le of water	•••••							
Well Log					<u> </u>				
Overburden and Bedrock Record	From	To	Locat	tion of Well	-				
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Name of Driller	••••••••••••	Address .	19. Malquit	Ade To	ronto				
Date	•••••••••••••	Licence N	umber	×	•••••				
Form 5			Signature of L	icensee	• • • • • • • •				



Casing diameter(s)	Static level
Length(s) 1.70	Pumping rate 250 Jal 1200 Hour
Type of screen 720 LCLLV	Pumping level $\mathcal{I} \mathcal{I} \mathcal{I} \mathcal{I}$
Length of screen	Duration of test

Well Log

Water Record

Overburden and Bedrock Record	From ft. Mithad linel	To ft. 100	Depth(s) at which water(s) found (53)	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Serve Same Bock	I D D	153			
					
		á ~			
	····				
	·····			·.	



For what purpose(s) is the water to be used?	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.
Drilling firm	
Name of Driller M. A. Bellinty Address 17 Depute RA	thurse
Licence Number	

statements of fact are true.

Date UCI-15 m. SABOI

Signature of Licensee



Form 5

0		41		e -			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ARIO rillers A	Act, 1954	GROUND WATER BRANCH APR 1 7 1957		
Basin 22	De	partment	of Mir	nes	RESOURCES COMMI	SSION KR	
V	Vater-	We	11	Record	đ		
	COEY	FTI	-hip. -V	illage, Town-or-f	Dunda	IK	
			Vill	lage, Town or Ci	ty)	•••••	
Data completed	MAY	1950	.ddre	SS		••••••	
(day)	(month)	(year)					
Pipe and Casing	Record		-		Pumping Test		
Casing diameter(s)	5/6		Static	: level	13		
Length(s)			Pump	ing rate	5 G.P.M.		
Type of screen	••••••	•••••	Pump	ing level	/3		
Length of screen	••••••		Durat	tion of test			
Well Log	<u></u>		<u></u>		Water 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, or sulphur)	
Clay, boulders	0	/03	2			-	
Limestone	102	15	8	150	/37	Fresh	
		<u></u>					
		······································		·····		-	
						-	
For what purpose(s) is the water	to be used?		. I	Lo	cation of Well	LĘK	
Is water clear or cloudy?	clear		I r	n diagram below oad and lot line	show distances of . Indicate north	f well from by arrow.	
Is well on upland, in valley, or on	hillside ? Up?!!	<u>.n<i>g</i></u>	-,	40 rds 30'	from R.R. from "Gore" St	n	
Drilling firm	Bellerby		Gor	e's.			
Name of Driller Address							
40				//	₩¥	-	
Licence Number I certify that the statements of fact	 foregoing are true.				Attack		
Date Apr 17/57 51	A.J.J.	e			A.		

			41 A/1 200		1
UTM 1/17 Z 5481140 E				25 N	Nº 897
9 R 4890700 N			Į	GROLIND WATER	BRANCH
Elev. $ g ^{R}$ $ / 7 0 4$					
Basin 23 The Ontori	o Water Res	ources Com	nission Act, 195	JUN 161	300
WATH	ER W	ELL]	RECOR	ONTARIO W	ATER IMISSION
County or District Grey		Township,	, Village) Town or	r City Uillage	of Dundalk
Con. Block P Lot		Date com	pleted 5	Maj	1960
Owner UIIIage of Dundalk (print in block letters)		Address	Dundal	<u>K, OnT.</u>	
Casing and Screen Record	Villog	e well #	2. Put	mping Test	
Inside diameter of casing 10"		Static le	evel	23	
Total length of casing 99'- 10"		Test-pu	mping rate	45	G.P.M.
Type of screen		Pumpin	g level	153	• /
Length of screen		Duratio	n of test pumpin	g 26	1 4 - 5 .
Depth to top of screen	••••••	Water o	clear or cloudy at	end of test	./eq7
Diameter of finished hole		Recomn	nended pumping	rate 75	G.P.M.
		with	pumping level o	of	
Well Log		1	Wa	iter 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)
Fill	0	2		-	
Sond & gravet	2	54	· · · · · · · · · · · · · · · · · · ·		
Sand & Clar	54	62	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Sand & Gravel	62	98	-	-	
Limestone, light brown, hard	102	152	104	81'	Fresk
, brown, hard	152	195	195	172'	Fresh
white, hard	195	208		_	-
11 Buff, hard	218	228	228	205'	Fresh
11 Brown, Lard	228	248	248	225'	Fresh
" dark Brown, hed hard	248	2/3			
For what purpose(s) is the water to be used?			Loca	tion of Well	2/
municipal Supply		I	in diagram below	show distances o	f well from
Is well on upland, in valley, or on hillside?		r	road and lot line	. Indicate north	by arrow.
upland					N
Duilling Fim G. L. Davidson					\mathbf{k}
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Address WINgA & m					
				2	\
Licence Number 343	•••••	נ . א	Block		
Name of Driller E. Thompson		ں . ہہ ا		/	
Address Winyham				. •	
Date may 30		:70	- 54 -	© well	
y. I & Lauidson		היי היי		12'	
(Signature of Licensed Drilling Contractor)			1	Poc. RIV.
n Mar - Annole Schwarzen and Martin Schwarzen - Annole - Martin Martin Martin Martin Martin Martin Martin Martin		-+++	<u> </u>	+++++++++++++++++++++++++++++++++++++++	+++++++
		•	Village	of Dundalk	
				CSY	5.53

WATER RESOURCES 41 A/1 5 DIVISION UTM 1/17 Z 541791715E 00 6 1985 9 R 4181910181510 The Ontario Water Resources Commission Act ONTARIO WATER RESOURCES COMMISSION ORF EC Elev. 9 | R | / 7 | 0 | 4FR Tournhip, Village, Tour Başin Date completed Con vear ress **Pumping Test Casing and Screen Record** 40 Static level Inside diameter of casing G.P.M. Test-pumping rate Total length of casing Pumping level Type of screen 5-hrs Duration of test pumping.... Length of screen Water clear or cloudy at end of test Clear Depth to top of screen. 4 " Recommended pumping rate 4 G.P.M. Diameter of finished hole 50 feet below ground surface with pump setting of Water Record Well Log Kind of water Depth(s) at To ft. (fresh, salty, sulphur) From ft. which water(s) found Overburden and Bedrock Record Hard Pan & Boulders 14 \bigcirc Gravel 114 //7 Feres 117 Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from touse road and lot line. Indicate worth by arrow. Is well on upland, in valley, or on hillside? Z Drilling or Boring Firm Address... 1761 Licence Number Name of Driller or Borer. Address Date f Licensed Drilling or Boring Contractor) Ý (Signatur éd. Form 7 15M-60-4138 (to 665 533 OWRC COPY



Map: Well records

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

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

Go Back to Map

Well ID

Well ID Number: 2502801Well Audit Number:Well Tag Number:This table contains information from the original well record and any subsequent updates.

Well Location

Township	DUNDALK VILLAGE
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 548014.30 Northing: 4891073.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	LOAM			0 ft	3 ft
	CLAY	MSND		3 ft	20 ft
	GRVL	BLDR		20 ft	30 ft
	CLAY	GRVL		30 ft	40 ft
	GRVL	BLDR		40 ft	50 ft
	CLAY	GRVL		50 ft	127 ft
	ROCK			127 ft	144 ft

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use
Cable Tool	Domestic
	Livestock

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4 inch	STEEL		127 ft
4 inch	OPEN HOLE		144 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1804

Results of Well Yield Testing

11

Duration of Pumping	2 h:0 m
Final water level	60 ft
If flowing give rate	
Recommended pump depth	85 ft
Recommended pump rate	12 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	35 ft		
1		1	

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

https://www.ontario.ca/page/map-well-records

60	60	

Water Details

Water Found at Depth	Kind
135 ft	Fresh

Hole Diameter

Depth From	Depth To	Diameter

Audit Number:

Date Well Completed: March 07, 1969

Date Well Record Received by MOE: April 08, 1969

Related

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

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

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

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/25		INCHES	INCHES FR			ITPE	OF SCREEN	F 41-44
136 ⁵⁻¹⁸	RESH 3 T SULPHUR		9 19	1 +24	61 PLUGO	SING &	SEALING	RECORD
2 SA 20-23	ALTY 4 A MINERAL	17-18 1 STEEL 19		20-23	DEPTH SET AT - F	EET MATE	RIAL AND TYPE (CEMENT GROUT,
2 🗌 SA 25-28 1 🗍 EE	ALTY 4 MINERAL	3 CONCRETE		0130	10-13	14-17		
2 🗌 SA 30-33	ALTY 4 MINERAL	24-25 1 STEEL 26 2 GALVANIZED		27-30	18-21	22-25		
	RESH 3 SULPHUR	3 CONCRETE 4 OPEN HOLE			26-29	30-33 80.	Strengton William	
PUMPING TEST METHOD	10 PUMPING RATE	11-14 DURATION OF PU	6 1 - 17-18		LOCAT	ION OF	WELL	
	WATER LEVEL 25 END OF WATER L	GPM. U. HOUL	RS	IN DIA LOT L	AGRAM BELOW SHOW	DISTANCES OF	WELL FROM ROAD AN	D
19-21	22-24 15 MINUTES	30 MINUTES 29-31 45 MINUTES 45 MINUTES	60 MINUTES					Lot 220
FEET C			ET FEET		Ŷ		N	rot 551
GIVE RATE	GPM. 60	FEET 1 CLEAR	24 CLOUDY		a		1	
RECOMMENDED PUMP T		43-45 RECOMMENDED PUMPING FEET RATE	46-49		30	*		
50-53 030	GPM./FT. SPECIFIC	CAPACITY	<u> </u>			10	2 ~	
FINAL 54	1 WATER SUPPLY	5 ABANDONED, INSUE	FICIENT SUPPLY		V	H		
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED			5	И	,	
55-56						65.5		
USE 12	3 IRRIGATION 4 INDUSTRIAL	7 PUBLIC SUPPLY 8 COOLING OR AIR CONDI	ITIONING		0 É	→		
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OF DRILLING	3 ROTARY (REVERSE) 4 ROTARY (AIR)	8 🗋 JETTING 9 🗖 DRIVING						
NAME OF WELL CON	TRACTOR				58 CONTRACTOR	59-62 DAT	E RECEIVED	63-68
	IRHAN DALL	NC & ENTLES	1804		18	704	06077	U II
				U DATE OF INSPECT	, ynu	MARECION	1.	
	AM ONT	Box 249		3 21,	6/11		PH	
ADDRESS	AM UNT	Box 249	ENCE NUMBER	REMARKS:	6/71		P/	

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Water management in 9n						CON.	
		WHERE APPLICABLE 1 2 VNSHIP, BOROUGH, CITY, TOWN,		9 CON	10 14 1., BLOCK, TRACT, SURVE	Y, ETC.	22 23 24 LOT 25-27
(g /)		DUN	DALK	OUNDALR (NT.	date completed 0 day_26_mo	6-53 HALER 70
\		8 11 121010	RC. ELEVAT	rion RC. 7 2 0 5 30	BÁSIN CODE		
GENERAL COLOUR	LOG OI	OVERBURDEN AND	BEDROCK M	ATERIALS (SEE	INSTRUCTIONS)	DEPTH	- FEET
BLACK	TOPSO1	1				<u> </u>	2
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BROWN	HARDK	<u>n C /i</u>				/03	123
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41 WATER		CASING & OPEN	HOLE REC		(S) OF OPENING	B1-33 DIAMETER 34-38	LENGTH 39-40
AT - FEET		O-11 1 D STEEL 12 CALVANIZED	SS FROM		FERIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-44 BO FEET
15-18 1 [] FR 2 [] SA 20-23 []	BESH 3 SULPHUR 19 04 MLTY 4 MINERAL 1	3 CONCRETE 4 OPEN HOLE 7-18 1 STEEL 19 19	02	20-23 DEPTH	PLUGGING &	R SEALING R	
2 SA 2 SA 2 SA 2 SA	MEGH 3 [] SULPHUR ALTY 4 [] MINERAL IESH 3 [] SULPHUR		1034	27-30	M TO 10-13 14-17 18-21 22-25		
2 SA 30-33 1 FR 2 SA	ALTY 4 MINERAL RESH 3 D SULPHUR 34 80 NLTY 4 D MINERAL 100 100	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE			26-29 30-33 80		
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L SHALLOW 50-53 003	CEEP SETTING COU			Lot R30	ET IRM	7. /	
FINAL STATUS	1 DEWATER SUPPLY 2 OBSERVATION WELL 3 TEST HOLE	 ⁵ ABANDONED, INSUFFICIENT ⁶ ABANDONED, POOR QUALITY ⁷ UNFINISHED 	SUPPLY	ot 231		, 59M -	4/0
OF WELL 55-56	4 RECHARGE WELL 1 DOMESTIC 5 C 2 STOCK 6 C	COMMERCIAL MUNICIPAL					
USE 12	3 IRRIGATION 7 4 INDUSTRIAL 8 OTHER	PUBLIC SUPPLY COOLING OR AIR CONDITIONING 9 1 NOT USED					
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01/28 1 Image: Strate of	AT - FEET KIND OF WATER DUM N 10-13 1 - FEET 14 INCHES	MATERIAL THICKNESS INCHES F	DEPTH - FEET	ERIAL AND TYPE	INCHES FEET
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10-231 1 PRESH 3::::::::::::::::::::::::::::::::::::	25-28 1 G FRESH 3 G SULPHUR 29 4 24-25 1 G	OPEN HOLE	160132	10-13 14-17	
Image: Set of the set of	30-33 1 C FRESH 3 SULPHUR 34 40 3 C	GALVANIZED		5-29 <u>30-33</u> 80	
1 Image: Static sta	PUMPING TEST METHOD 10 PUMPING RATE D-14 C				
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Intel tell 121	H 060 090 090 090 090 090	45 MINUTES 60 MINUTES	אי		
Image: Status of Weill Contractor 90 - 51 - 61 - 61 - 61 - 61 - 61 - 61 - 61	C IF FLOWING 34-41 PUMP INTAKE SET AT	FEET FEET FEET VATER AT END OF TEST 42			#10
Image: Status of the survey	GPM 70 FEET RECOMMENDED PUMP TYPE RECOMMENDED 43-45 RI	ECOMMENDED		· · · · ·	Hury
FINAL STATUS 1 WATER SUPPLY 0 OBSERVATION WELL 3 ABANDONED. INSUFFICIENT SUPPLY 0 0 STATUS 1 COBSERVATION WELL 0 6 ABANDONED. POOR QUALITY 7 UNFINISHED OF WELL 0 BERCHARGE WELL 0 0 RECHARGE WELL 7 0 NFINISHED WATER USED 1 MODORESTIC 0 1 CONMERCIAL 0 1 NOTICE SUPPLY 0 1 Arena. 0 METHOD OF DF 1 CABLE TOOL 0 0 0 INFORMATION ING 0 1 STATUS Statu	So-53	имероооб _{дрм.}		well	$\langle I \rangle$
FINAL 2 OBSERVATION WELL 6 ABANDONED POOR QUALITY 3 TEST HOLE 7 UNFINISHED 0 TEST HOLE 7 UNFINISHED 1 BONESTIC 5 OBSERVATION WELL 1 State Poor Quality 7 UNFINISHED 1 WATER 1 COMMERCIAL 2 Stock 1 MUNICIPAL 3 IRRIGATION 7 PUBLIC SUPPLY 1 NOUSTRIAL 1 COOLING OR AIR CONDITIONING 1 IRRIGATION 7 PUBLIC SUPPLY 1 IRRIGATION 1 PUBLIC SUPPLY 1 INDUSTRIAL 1 COOLING OR AIR CONDITIONING 2 IRRIGATION 1 INDUSTRIAL 1 1 CABLE TOOL 1 1 INDUSTRIAL 1 2 ROTARY (CONVENTIONAL) 1 1 IRRIGATION 1 3 ROTARY (CONVENTIONAL) 1 1 IRRIGATION 1 4 ROTARY (CONVENTIONAL) 1 IRRIGATION 1				A	
UF WELL SS-SS VATER USE 0	STATUS 2 OBSERVATION WELL 6 ABAND 3 TEST HOLE 7 UNFIN	ONED. POOR QUALITY	0.55	1085 min	ina.
WATER USE USE USE WATER USE WATER USE WATER USE NETHOD OF DRILLING ST AIR PERCUSSION WATER ST ST ST ST ST ST ST ST ST ST	58-56 1 DE DOMESTIC 5 COMMERCIA	A1	4 A C	ALK L	
USE INDUSTRIAL : COOLING OR AIR CONDITIONING OTHER ? NOT USED NETHOD OF DRILLING ? CABLE TOOL · CONVENTIONAL ? DIAMOND OF DRILLING ? CONVENTIONAL ? DIAMOND ? CABLE TOOL · CONVENTIONAL ? DIAMOND ? DIAMOND ? DIAMOND ? DIAMOND ? DIAMOND ? DIAMOND ? DIAMOND PODRIVING ? DIAMOND ? DIA	WATER 2 STOCK 6 MUNICIPAL 3 IRRIGATION 7 PUBLIC SU	PPLY		a gmi	
METHOD OF DRILLING NAME OF WELL CONTRACTOR MANE OF WELL CONTRACTOR		R AIR CONDITIONING	Mik	.5.	and the second
OF DRILLING OF DRILLING ADDRESS ADDRESS ADDRESS DF DRILLING CONTRACTOR CONTRACTO		BORING	115mi 37.		
ADDRESS ADDRES	OF 3 ROTARY (COVENTIONAL) 7 3 ROTARY (REVERSE) 8 COVENTIONAL 7 3 ROTARY (REVERSE) 8 1 ROTARY (AIR) 7 1 ROTARY (AIR) 7	DIAMOND	·		
NAME OF WELL CONTRACTOR ADDRESS ADDRESS ADDRE	5 AIR PERCUSSION	DRIVING	DRILLERS REMARKS: Wel	Lis 40' Ea	t of House
ADDRESS ADDR 5 Mart E rect W A LC / TOJO & 20970	MANE OF WELL CONTRACTOR	T LICENCE NUMBER	DATA 58 C	INTRACTOR 59-62 DATE REC	Elyed 63-68 80
	ADDRESS NET MALL	Inc. 4876	DATE OF INSPECTION		20976
NAME OF DRILLER OR BORER	A J JOUNT FOR NAME OF BRILLER OR BORER 11 1.1	CST.	S REMARKS:	77	
S SIGNATURE OF CONTRACTOR SUBMISSION DATE DUBMISSION DATE	SIGNATURE OF CONTRACTOR SUBMISS	ION DATE	FICE		PB.1.
MO YR 🔂 😾 😽 WI	DAY	MO YR	6	55.5	, WI
MINISTRY OF THE ENVIRONMENT COPY	MINISTRY OF THE ENVIRONMENT C	OPY			FORM 7 MOE 07-091

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Ontario		TER	WE	ĽL F	REC	ORD	41 <i>A</i> /{	ω
COUNTY OR DISTRICT	1. PRINT ONLY IN SPA 2. CHECK 🛛 CORRECT	CES PROVIDED BOX WHERE APPLICABLE TOWNSHIP BOROUGH. CI	LTY. TOWN, VILLAGE	250	6029		ŠR W	
Grey OWNER (SURNAWE FIRE		Proto	<u>~</u>	3	/5	BLOCK TRACT, SURVEY,	Stots.	LOT 25-27 229
		19.9	1elrose	<u>ST.</u> ^{RC.} ELEVATION	Dunde	BASIN CODE	DAY 15 MO.	48-53 <u>4</u> <u>y</u> ₁ <u>7</u> <u>7</u>
	LOG	OF OVERBURDE	N AND BEDR	OCK MATER	NALS (SEE IN	STRUCTIONS)		47
Black -	MOST COMMON MATERIAL	OTHER MA	TERIALS		GENERA	L DESCRIPTION	DEPTH FROM	- FEET TO
Brown Se	andy Clay (Travel					0	1
Brown /	lardpan (ravel,	Baylole	ers.			27	100
Grey	Imestone !	Drown Jh	ale,				100	109
					- <u> </u>			
[]] hools			101.001.000		~			
				610921				
WATER FOUND AT - FEET	RECORD			RECORD		FOPENING 31-3	65 3 DIAMETER 34-38 LE	75 80 NGTH 39-40
0107 10-13 1 K FRE 2 SAL	SH 3 SULPHUR 14	10-11 1 STEEL 12 2 GALVANIZED	TALES FR	13-16 2 0 0 2 1		L AND TYPE	DEPTH TO TOP OF SCREEN	41-44 80 FEET
20-23 1 FRE	SH 3 [] SULPHUR 19 TY 4 [] MINERAL SH 3 [] SULPHUR 24	3 CONCRETE 4 COPEN HOLE 17-18 I STEEL 19		20-23	61 DEPTH SET	PLUGGING &	SEALING RECOR	
2 🖸 SALT 25-28 1 🗍 FRES 2 🗆 SALT	TY 4 MINERAL	2 GALVAN:ZED 3 CONCRETE 4 20 OPEN HOLE 24-25	10,	20109	FROM 10-13	10 MATE	LEAD PACE	(ER. ETC.)
30-33 1 C FRES 2 SALT	GH 3 SULPHUR 34 60	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		27-30	18-21 	30-33 80		
PUMPING TEST METHOD	10 PUMPING RATE BAILER DD/8	12-14 DURATION OF PUN	1PING 30 17-18		LOC	CATION OF	WELL	
STATIC LEVEL EN PUN	R LEVEL 25 ID OF WATER LEVELS (MPING 22-24 15 M NUTES 30 M		UMPING ECOVERY	A IN DEL	AGRAM BELOW S	HOW DISTANCES OF	WELL FROM ROAD AND)
CO FEET	FEET 06 026-28 06 FEET 7	FEET Cho 32-3	1060 SEET	1/2 /	N	Weld 2 mi		
RECOMMENDED PUNP TYPE		FEET 1 CLEAR	2 CLOUDY	71	150 1			
50-53	GPM./FT. SPECIFIC CA		GPM			14.11		
FINAL STATUS	WATER SUPPLY State ÖBSERVATION WELL G TEST HOLE 7	ABANDONED, INSUFFI	CIENT SUPPLY JALITY		MA	Start I		
55-56 1	DOMESTIC S	COMMERCIAL					unda/K.	
USE 01	IRRIGATION 7 INDUSTRIAL 8 OTHER	PUBLIC SUPPLY COOLING OR AIR CONDITIC 9 NOT US	DNING		ť.			
METHOD 2	CABLE TOOL ROTARY (CONVENTIONAL)	6 D BORING 7 D DIAMOND				.1		
	ROTARY (REVERSE) ROTARY (AIR) AIR PERCUSSION	8 🗌 JETTING 9 🗍 DRIVING		DRILLERS DEMADY	Wellie	150'E		
HAME OF WELL CONTRACT	TOR A Son Well	Dr. Inc 4	ENUMBER		58 CONTRAC	TOR 59-62 DATE RE	COM Ad.	63-68 80
ADDRESS A # 5	Mount	Forest.	· / ·	DATE OF INSPEC		INSPECTOR	N 603 17	
SIGNATURE OF CONTRACT	Kelly	SUBMISSION DATE	E NUMBER		7-0-	_ 1	Р	
MINISTRY OF TH			YR/	5			WI WI	P/
							FURM / MO	E 07-091

Ministry of the Environment	\&//		ntario Water Resourc	es Act 41	
Ontario		250647	¹ 5 ^{NUNICIP.}		
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	GE	CON., BLOCK, TRACT, SURVEY	TS ETC. PJ MC	22 23 74 LOT 25-27
	RPA	n i la	- <u>-</u>	DATE COMPLETED	48-53 va D Ø
	90800	5 1700			
LOG	OF OVERBURDEN AND BEE	DROCK MATERIAL	S (SEE INSTRUCTIONS)		47
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPT FROM	H - FEET TO
Top soil				0	2
GRAVEL	Y			2	48
BROWN LIME STONE				74	93
	~				
	····				
31) 6002 bz	9581 100741111	10093/11=			
				→└ <u>┘╵╵</u>	
41 WATER RECORD	CASING & OPEN HOL	ERECORD	SIZE(S) OF OPENING 31	33 DIAMETER 34-38	75 80 LENGTH 39-40
AT - FEET KIND OF WATER	ISIDE WALL INAM MATERIAL THICKNESS ICHES INCHES	FROM TO	MATERIAL AND TYPE	INCHES DEPTH TO TOP OF SCREEN	FEET 41-44 30
2 SALTY 4 MINERAL 15-18 1 FRESH 3 SULPHUR 19	4 Concrete 188	(X0074 IT			FEET
2 SALTY 4 MINERAL 20-23 1 FRESH 3 SULPHUR 24	4 OPEN HOLE	20.23	DEPTH SET AT - FEET MA	ERIAL AND TYPE (CEMI	ENT GROUT,
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	3 CONCRETE 4 CONCRETE	74,0093	10-13 14-17		
2 _ SALTY 4 _ MINERAL 30-33 1 _ FRESH 3 _ SULPHUR 34 40	24-23 1 STEEL 26 2 GALVANIZED 3 CONCRETE	27-30	18-21 22-25 26-29 30-33 80		
2 SALTY 4 MINERAL	1-14 DURATION OF PUMPING	J [] [_]
STATIC WATER LEVEL 25	О <u>дрм</u> 04 15-16 00 17. ин		AM BELOW SHOW DISTANCES		ND
LEVEL END OF WATER LEVEL	S DURING 2 RECOVERY	LOT LINE	INDICATE NORTH BY ARRO)W.	
5 0/2 FEET 05 FEET 03 0 FEET	30 ²⁹⁻³¹ 030 ³²⁻³⁴ 030 ³⁵	37 ET 42			
GIVE RATE GPM	FEET	Y	\mathcal{I}	I	
B SHALLOW DEEP SETTING	60 FEET RECOMMENDED 46.		3		
			2	SRZ	20
FINAL 2 OBSERVATION WELL STATUS 3 TEST HOLE	6 C ABANDONED, INSUFFICIENT SUPPLY 6 C ABANDONED, POOR QUALITY 7 UNFINISHED		r.v.	38 mil	leo
55-56 1 D DOMESTIC 5	COMMERCIAL		LA LA	the Red G	$\sum_{i=1}^{n}$
WATER USE	U MUNICIPAL D PUBLIC SUPPLY D COOLING OR AIR CONDITIONING		1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		12
0 OTHER	9 🗇 NOT USED		4		_ `_
METHOD / CABLE TOOL 2 C ROTARY (CONVENTIONA OF / 3 C ROTARY (REVERSE)	 BORING DIAMOND JETTING 				
DRILLING 4 CONTARY (AIR) 5 AIR PERCUSSION	9 🗍 DRIVING	DRILLERS REMARKS:	Dundoll	-	
MAME OF WELL CONTRACTOR	Ric Licence NUMBER		58 CONTRACTOR 59-62 DAT	E RE 1 VE 7 07 7	8 63-68 80
ADDRESS Row 200	Dunwalk ant		-79 INSPECTOR	^	7
NAME OF DRILLER OR BORER	LICENCE NUMBER			P,	L
SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFIC	~	W 22.22	Ż
MINISTRY OF THE ENVIRONM				FORM N	0. 0506-477

Ontario Ministry of the Environment		TER 2509	Ontario W WE	ater Resources	Act 4/A/IW RECORD
2. CHECK X CORREC	TOWNSHIP, BOROUGH, CITY, TOWN VILLAR	2000		25012	CON 01
Grey	Proton			DCK. TRACT. SURVEY. ETC	LOT 25-27
	s Dunda 14			DAT	TE COMPLETED
	891125	LEVATION I TOC		SIN CODE	
LOC	G OF OVERBURDEN AND BED	ROCK MATERIA	ALS (SEE INST		1
GENERAL COLOUR MOST	OTHER MATERIALS		GENERAL D	ESCRIPTION	DEPTH - FEET
Top soil					FROM TO
Clay stowes as	ome gravel				0=1
Hardpanas	tones	~			53-106
Linestone					106-183
			<u> </u>		
31					
41 WATER RECORD	CASING & OPEN HOLE	RECORD	SIZE(S) OF O	PENING 31-33	DIAMETER 34-38 LENGTH 39-40
10-13 1 FRESH 3 SULPHUR	IAM MATERIAL THICANESS F	FRUM TO	MATERIAL A	ND TYPE	INCHES FEET DEPTH TO TOP 41-44 30 OF SCREEN
2 □ SALTY 4 □ MINERALS 6 □ GAS 15-18 1 □ FRESH 3 □ SULPHUR ¹⁹	10-11 1 STEEL 2 GALVANIZED 3 CONCRETE	0-107"	<u></u>		FEET
2 SALTY 4 MINERALS 6 GAS	4 5 □ PLASTIC 188	20-23	DEPTH SET AT	PLUGGING & SI	EALING RECORD
2 SALTY 4 MINERALS 6 GAS	2 GALVANIZED 3 CONCRETE 4 Open Hole		FROM 10-13	TO MATERIAL 14-17	AND TYPE (CEMENT GROUT. LEAD PACKER, ETC.)
2	24-25 1 DSTEEL 2 GALVANIZED	27-30	18-21	22-25	
30-33 FRESH 3 SULPHUR 3480 4 MINERALS 2 SALTY 6 GAS	3 CONCRETE 4 OPEN HOLE 5 PLASTIC		26-29	30-33 80	
71 PUMPING TEST METHOD ID PUMPING RATE	11-14 DURATION OF PUMPING				
STATIC WATER LEVEL 25	GPM	IN DIAG	RAM BELOW SH	OW DISTANCES OF WE	
Level PUMPING Intel Level (0) 10-21 22-24 15 MINUTES 30 Ш 10-21 22-24 15 MINUTES 30	2 D RECOVERY	LOT LIN	E INDICATE	NORTH BY ARROW	ALL TROM ROAD AND
54 FEET 128 FEET 9,3 FEET	28 FEET 128 FEET 128 FEET				N.
GIVE RATE GPN 15D	FEET 1 DC CLEAR 2 CLOUDY				
RECOMMENDED PUMP TYPE RECOMMENDED PUMP	43-48 RECOMMENDED 66-49 PUMPING 2 EFET RATE			2	
50.53	0 0,4			10 + m	
FINAL 1 WATER SUPPLY STATUS 2 OBSERVATION WELL	ABANDONED. INSUFFICIENT SUPPLY D ABANDONED POOR QUALITY			*	3
OF WELL : TEST HOLE	7 🔲 UNFINISHED 9 🔲 Dewatering			8 3	Hi
WATER 2 STOCK 6] COMMERCIAL] MUNICIPAL		ď		3 T
] PUBLIC SUPPLY] COOLING OR AIR CONDITIONING				
57 1 CABLE TOOL	• U NOT USED				
OF 3 CONTRACT (CONVENTIONAL	→ DIAMOND				
		DRILLERS REMARKS			14815
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER		58 CONTRACTO	R 59-62 DATE RECEIN	
ADDRESS		DATE OF INSPECTIO			T 0 6 1987
A NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S		188		
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE			- Hor	2P
J. V. Weissmann	DAY MO: YR,	OF	وريرو بيوفر والتراري	VM Oss	00
MINISTRY OF THE ENVIRONMEN					OPM NO. 0500 HIL (00) TOTAL

of th	ne					Water Resource		CC	
Ontario Envi	ironment		\∎ ∎ ໂ						
	1. PRINT ONLY IN S 2. CHECK 🛛 CORRI	PACES PROVIDED 11		512	033	25012		<u>Wi</u>	22 23 74
COUNTY OR DISTRICT		TOWNSHIP, BOROTH, CITY, TOWN, VILLAG	GE		CON	CON	1756)	229
		DA# Po	han	State	in the	DC1L0	DATE COMPLE	тер мо4	8 vr 94
		NG				BASIN CODE			
1 2		IS OF OVERBURDEN AND BEE	 DROCH	C MATER	30	INSTRUCTIONS			"
GENERAL COLOUR	MGST COMMON MATERIAL	OTHER MATERIALS			GENEF	RAL DESCRIPTION	-	DEPT FROM	H - FEET TO
	Topsoil							0	/
Brown	silty	Sand gravel	, 					/	8
Groy	SIL	gravel stone	<u>es</u>		11	/		8	102
Gray	Limeton	2			Nara			102	/30
					<u></u>				
31									
			шĻ	<u>, , , , , , , , , , , , , , , , , , , </u>		54			75 80
41 WA	TER RECORD	51 CASING & OPEN HO	LE RE	CORD		EIST OF OPENING OT NO T	31-33 DIAMETI	ER 34-38	LENGTH 39-40 FEET
WATER FOUND AT - FEET	KIND OF WATER	DIAM MATERIAL THICKNESS INCHES INCHES	FROM	10		TERIAL AND TYPE		DEPTH TO TO OF SCREEN	41-44 30
109 2	A CIMINERALS 6 CIGAS FRESH 3 CISULPHUR	$ \begin{array}{c} \begin{array}{c} 1 \\ 2 \\ 3 \\ 3 \\ \hline 0 \\ 0 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	+1	104		PLUGGIN	G & SEAL	NG REC	ORD
133 2	4 [] MINERALS 5 SALTY 6 [] GAS FRESH 3 [] SULPHUR 24	5 D PLASTIC		20	ZJ DEPTH	SET AT FEET	MATERIAL AND	TYPE (CE	MENT GROUT PACKER, ETC)
25-28 1	4 [] MINERALS 6 [] GAS 7 FRESH 3 [] SULPHUR	6 3 CONCRETE 4 COPEN HOLE 5 DPLASTIC	10	4 138	5 0	30 4-17	ensee	. (
30-33	4 [] MINERALS 5 SALTY 6 [] GAS 5 CREEN 3 [] SULPHUR 34	24-25 26 1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE		27.	30	18-21 22-25 26-29 30-33 80			
2	GALTY 6 GAS	4 DOPEN HOLE 5 DPLASTIC	r						
	THOD 10 PUMPING RAT	2 01-14 DURATION OF PUMPING 7 GPMHOURS	17-18 41 NS			LOCATION C	F WELL	-	
	WATER LEVEL 25 END OF WATER PUMPING	LEVELS DURING 2 C RECOVERY			LINE H	LOW SHOW DISTANCE NDICATE NORTH BY AI	RROW.	ROM ROAL	AND
56	CT 22-24 15 MINUTES 26-3	30 MINUTES 45 MINUTES 60 MINUT 8 29-31 32-34 3 FT FFFT FEET	1 ES 35-37 FEET		•	(1) b	lace of	L	
U IF FLOWING. GIVE RATE	38-41 PUMP INTAKE	SET AT WATER AT END OF TEST	42		(Don	dalk	
	GPM. PUMP TYPE RECOMMENDE PUMP	D 43-45 RECOMMENDED 4	16-49		_			·	
50-53	DW CLOPEP SETTING		GPM			Mill st.			i
FINAL	1 CLARTER SUPPLY	S 🗋 ABANDONED. INSUFFICIENT SUP	PLY						4
OF WELL	3 🗍 TEST HOLE 4 🗍 RECHARGE WELL	7 🗍 UNFINISHED 🗋 Dewatering							r
	55-56 1 DOMESTIC 2 STOCK	5 🗍 COMMERCIAL 6 🗌 MUNICIPAL							20
USE	3 IRRIGATION 4 INDUSTRIAL OTHER	7 DUBLIC SUPPLY						i I I I I I I I I I I I I I I I I I I I	6
	57 1 CABLE TOOL	6 D BORING	<u> </u>			· · ·		•	
METHOD OF	2 C ROTARY (CONVEL 3 ROTARY (REVERS	ITIONAL) 7 DIAMOND E) 8 JETTING 9 DRIVING						4 4	01050
CONSTRUCT				DRILLERS RE	MARKS			<u> </u>	81020
C LIC	L CONTRACTOR	er Wells 2571	10R'5	DATA SOURCE	58	2576	SEP	1219	63-64 ×0
ADDRESS	- 1111 A.	haus			INSPECTION	INSPECTOR			
	ELL TECHNICK	Hom Taisa	AN'S ER			1			
SIGNATIVES	OF TECHNICIAN COMIRACTOR	SUBMISSION DATE	50	OFFI				CSS.	ES
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The	Ontario	Water Re	sources Act
	WATE	R WELL	RECORD

Environment

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

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2515004 Municipality Con.

County or District	:	Township/Borough/City	/Town/Village	·/	Con bloc	ck tract survey	, etc. Lo		
Owner's sumame	e 28-47 First Name	Address	GUND	<u>alk/a</u>	ADEDA MOR CONC	Date	SK .	48-53	
TOWNSHIP	OF SOUTHGAT	= RRI Dun	OALK,	ON, A	VOC IBO	completed	スタ ム day r	or 302 nonth year	
21	Zone T	Easting Northing		RC Elev	vation RC Basin Code		ій 1 л л л	iv	
1 2		12 17 18 OF OVERBURDEN AND BED		25 26 TERIALS (s	30 31			47	
General colour	Most common material	Other materials			General description		Dept	h - feet	
Barris	C1. 1	Paque		C.c.	•		From		
De	C(AY	ADERS		FILL				6	
DAOWN	CLAY	SAND + STONES					6	35	
BROWN	GRAVEL	CLAY					35	97	
BROWN	LIMESTONE			INTE	RMIXED		97	154	
TAN	LIMESTONE						154	180	
BROWN	LIMESTONE						180	211	
TAN	LIMESTONE						211	330	
				-	2				
					3.				
					·				
								B0	
41 WATE	ER RECORD 51	CASING & OPEN HOLE	Depth	- feet	Sizes of opening (Slot No.)	31-33 Diameter	34-38 Leng	39-40	
at - feet	Kind of water diam	Material thickness inches	From	то	Material and type		Depth at ton	feet of screen 30	
155 2	☐ Fresh 4 □ Minerals 10. □ Salty 6 □ Gas	11 1 Steel 12 2 Galvanized	+	13-16	S			41-44	
21515-18 1	Fresh ³ Sulphur ¹⁹	3 □ Concrete 4 □ Open hole 5 □ Plastic	2	105					
260 ²³	Salty 6 Gas 17-	¹⁸ 1 [] Steel ¹⁹	20-23 Contraction						
310 2	☐ Fresh ₄ □ Minerals □ Salty ₆ □ Gas	3 Concrete	105 330 Depth set at - feet From To Material and type (Cement grout, bentonite, etc						
25-28 1	Fresh ³ Sulphur ²⁹ 4 Minerais ^{24.}	5 Plastic Plastic Steel 26 26 26 26 26 26 26 26 26 2		27-30	010-13 1045 B	ENTONI	r e		
30-33	□ Saity 6 □ Gas □ Freeb ³ □ Sulphur ³⁴ ⁶⁰	2 Galvanized 3 Concrete			18-21 22-25				
2	Salty 6 □ Gas	4 Open hole 5 Plastic			26-29 30-33 80				
Pumping test m	nethod 10 Pumping rate	11-14 Duration of pumping	۱						
/1 1 Pump 2	Bailer G	PM 15-16 17-18 Hours Mins	11 1	In diagram	n below show distances	of well from re	bad and lo	t line.	
Static level e	Water levels during	1 Pumping 2 Recovery	41 '	Indicate n	orth by arrow.		11		
E -	TISTING BY OTI	29-31 4-3 minutes 29-31 32-34 32-34 7 JER S							
If flowing give n	feet feet ate ³⁸⁻⁴¹ Pump intake set at	feet feet feet feet 42	{			`			
		feet Clear Cloudy	41	To	WA OF DUN.	ONLK			
Shallow	Deep	pump rate feet] GPM							
50-53	. I		1			,	2		
	SOFWELL 54	entsupply ⁹ 🖂 Unfinished]		Q - 99	, , ,	11		
² Observati ³ Test hole	ion well 6 D Abandoned, Insultice 7 D Abandoned (Other)	ality ¹⁰ Replacement well			Ť		2		
4 🗌 Recharge	e well 6 Dewatering				495		3		
WATER USE	55-56 5 [] Commercial	9 🗔 Not use]		1		4		
2 Stock 3 Irrigation	6 🐱 Municipal 7 🔲 Public supply	10 Other			AFY DO O		¥	-	
4 🗌 Industrial	8 🗌 Cooling & air condition	ning	-		KI Y		-		
METHOD OF (CONSTRUCTION 57		11						
¹ Cable tool ² K Rotary (co ³ Determined	Air percussion Air percussion Onventional) ⁶ Boring Averse 7 Diamond	⁹ 🔲 Driving ¹⁰ 🔲 Digging 11 💭 Other			14.5 1				
4 🗌 Rotary (ai	ir) ⁸ 🗌 Jetting						242	327	
Name of Well Contr	ractor	Well Contractor's Licence No.	Data	·	58 Contractor	59-62 IDate rece	ived	63-68 B0	
MEADOW RA	MAR DRILLING SFRANCE	S GSES	Source Source	ce	6865	JUN	102	002	
Address				of inspection	Inspector			ł	
Name of Well Jack	<i>CORA CAIT ATOL</i>	Well Technician's Licence No	N Rema	arks					
Jim BR.	OADFOOT	T0370	STR			nee			
Someture of Techni	ician/Contractor	Submission date	NW			000).C	26	
							0506 (07/0	0) Front Form 9	

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County or District	t		1	ownship Tou	o/Borough/City んのに		,. Joala		Con	block	tract survey	SR	ot PART" 230
Owner's surname	e 28-47	First Name	1		0		<u>A.</u>	lac	Ra		Date	22	64 02
21 21	<u>of</u> Douthe	SATE Zone	Easting	< <u>K</u> 1	Northing	<u>ALK,</u>	RC Ele	vation F	BO RC Basin	n Code		day iii	month year
1 2	м		DF OVERB	URDEN	N AND BEDI		TERIALS (see instru	ctions)		- 4i11		47
General colour	Most common mat	erial		Oth	er materials			Gene	eral descrip	otion		Dep From	th - feet To
BROWN	CLAY		Rock	5			FILE	!				0	7
BROWN	CLAY		SANA	- 51	TONIES							7	35
BROWN	GRAVEL		Cery	-rRe	DEK'S		Rea	<u>~</u> 5			· <u>····</u> ····	35	95
BROUN	LIMESTONE						INTE	Rmi	x ea			95	154
TAN	LIMESTONI	5										154	180
13Rour	LIMESTONIE						_					180	211
TAN	LIMESTONE											211	330
								ā,					
<u> </u>													
41 WAT	ER RECORD	51		IG & O	PEN HOLE	RECORD		Sizes	s of opening	31-3	⁶⁵ Diameter	34-38 Len	75 80 gth 39-40
Water found at - feet	Kind of water	lnside diam inches	Mate	ərial	Wall thickness inches	Deptr From	To		rial and type			inches	feet
125 20	Zh Fresh ³ ∐ Sulphur 14 ∃ Salty ₆ ⊡ Gas	10-1	1 1 25 Stee 2 🖸 Galv	anized	250	+,	13-16 105		narano type			Deptn at top	41-44
1545-18 11	S. Fresh ³ □ Sulphur ¹⁹ □ Salty ⁴ □ Minerals	104	4 Ope 5 Plas	n hole tic		~	/- /	61	PLUG	GING 8			
268-23 1 [B Gas B Fresh ³ ☐ Sulphur ²⁴ C Fresh ⁴ ☐ Minerals	17-1	⁸ 1 □ Stee 2 □ Galv	anized		105	20-23 7 3 0	Depth s	Annula et at - feet	r space		Abandon	ment
3/05 ²⁸ 1	Safty 6 ☐ Gas	78	4 🕹 Ope 5 🗌 Plas	n hole tic		,.,		From	To	Be	Al and type (Ce	ement grout, t	pentonite, etc.)
2 [□ Salty 6 □ Gas	24-2 60	5 1 🗆 Stee 2 🗆 Galv	anized			27-30	18-21	22-25	12121			
1 [2 [☐ Fresh 4 ☐ Minerals ☐ Salty 6 ☐ Gas		4 Ope 5 Plas	n hole tic				26-29	30-33	80			
71 Pumping test n	nethod 10 Pumping rate) 11 GI	I-14 Duration	n of pump	bing			L	OCATIO	N OF W	/ELL		
Static level	Water level 25 Water level Water level	els during	1 🗆 Pumpin	g a		7	In diagra	m below sh horth by ar	now distai row.	nces of	well from r	oad and k	ot line.
SU 19-21	22-24 15 minutes 26-28	30 minutes	s 45 minu 9-31	tes 32-34	60 minutes 35-37			····· , ···					
Section 1	feet feel	ent ent	feet	feet	feet 42								
	GPM		feet	Clear			Tou	IN OF	Deres	0.0.1.10			
□ Shallow	Deep Pump setting		feet	rate	GPM		·		004				
50-53				<u>`</u>				_		_	,	0	
FINAL STATU 1 ▲ Water sup 2 □ Observati	pply 5 CHWELL 54 pply 5 C Abandon ion well 6 C Abandon	ed, insufficier ed, poor qual	ntsupply ⁹ [lity ¹⁰ [] Unfinis	hed			Å	X	990	o	7	
³ 🔁 Test hole ⁴ 🗌 Recharge	7 Abandon e well 8 Dewateri	ed (Other) ng	, .					47	5'			3	
WATER USE	55-56												
2 🗋 Stock 3 🗍 Irrigation	- Sommer 6 25 Municipa 7 ☐ Public su	лан I pply	9 [10 [] Not use			GRE	· - D	$\gamma =$			++-	
4 🗌 Industrial	8 🗌 Cooling 8	air conditior	ning						(<u></u>	++-	
METHOD OF	CONSTRUCTION 57 ol 5 🗋 Air percu	ssion	9 [Driving									
 ² X Rotary (c ³ Rotary (r ⁴ Rotary (a) 	evense) ⁶ Boring everse) ⁷ Diamond ir) ⁸ Jetting		10 [11 [Digging	9							212	225
, (<u> </u>	

1 Cable tool 5 Air percussion 2 29 Rotary (conventional) 6 Boring 3 ⊆ Rotary (reverse) 7 Diamond 4 Rotary (air) 8 Jetting	9 Driving 10 Digging 11 Other		24232
Name of Well Contractor <u>MEADOWBANK</u> Address Address Address Address NOR ISU	Well Contractor's Licence No.	Data 58 Contractor source 68 6 Date of inspection Insp	59-62 Date received JUN 1 0 2002
Name of Well Technigan	Well Technician's Licence No. TG370 Submission date day mo yr	Remarks	CSS.ES2
2 - MINISTRY OF THE ENVIRONMEN	ІТ СОРҮ		0506 (07/00) Front

0506 (07/00) Front Form 9

(🗑 Ont	ario Ministry of the Environmen	t	'	-			The	e Ontaric WATE	o Wat ER W	er Re /ELI	esoure _ RE(ces Act CORD
Print only in space Mark correct box	ces provided. with a checkmark, where a	applicable.	11	2	251	51	88				W	
County or District	GPEN		Township/Bon	ugh/City/To	own/Village			Con bjock	tract	survey, SR	etc. Lo	228
21	U.			orthing	I i	C Elev	ation RC	Basin Code	comp		day m	iv
1 2	м́ц					┘ _ू⊥ RIALS (s		ons)	<u>. 1</u>	<u></u>	1.1.1	47
General colour	Most common material		Other ma	aterials		<u> </u>	Genera	description			Dept From	n - feet To
	TODSOIL					•					0	-
Ben	CLAY	S	TONIES		SPAUE	el					1-	.97
Gerv	Limesto	NE									97.	150
Benj	Limes70	NIS									150	24
-												
· · · · · ·												
											• •	
							· · · · · · · · · · · · · · · · · · ·					
								opening ³	1-33 Dia	65 meter 3	4-38 Leng	⊥ L_ 75 80 th 39-40
Water found at - feet	Kind of water	Inside diam	Material th	Vall hickness	Depth - fe	et To	X (Slot No	.)		incl	hes	feet
	Fresh ³ Sulphur ¹⁴ 4 Minerals	inches	Steel 12	ica a	From	13-16	Material	and type		D	epth at top	of screen 30 41-44
	Gas 6 □ Gas 19 Fresh ³ □ Sulphur 19	614	Concrete Open hole	188	Ta [77						feet
250 ²	3 Sulty 6 Gas	¹⁷⁻¹⁸ 1 🗌	Plastic Steel ¹⁹		00	20-23	61	PLUGGING Annular space	& SEA		Abandonm	ent
2	☐ Fresh 4 □ Minerals ☐ Salty 6 □ Gas	6	Concrete Open hole		7772	~~(Depth set a From	t - feet To Mate	rial and ty	rpe (Cerne	ent grout, be	ntonite, etc.)
25-28 1 [2 [☐ Fresh ³	24-25 1 🗌	Plastic Steel 26			27-30	10-13 O	50	Sant	DNI	te	
30-33 1	Fresh 3 Sulphur 34 60	2 🗌 3 🗍 4 🗌	Galvanized Concrete Open hole				26-29	30-33 80		(Ro	T
2	Salty 6 🗌 Gas	5	Plastic									
71 Pumping test m	hethod A R Pumping rate	GPM	ration of pumping 15-16 Hours	17-18 Mins			LO	CATION OF	WELL			
Static level e	Vater level end of pumping	ring 1 🍂 Pu	mping 2 🗆 F	Recovery		n diagran ndicate n	n below show orth by arrow	w distances o v.	of well f	rom roa	d and lot	line.
	22-24 15 minutes 26-28 173 173	$\frac{1}{123}$	$\frac{1}{73}$ 60 m	ninutes 35-37		∧						
If flowing give ra	teet ate 38-41 Pump intake set at	feet Wa	ter at end of test	10et 42	,							
Recommended p	GPM grant type Recommended	feet 43-45 R	Clear commended	Cloudy 46-49	· ·	V						
Shallow	Meep pump setting	20 feet	ump rate	GPM								
FINAL STATU	S OF WELL 54									0		
¹ Water sup ² Observation	on well ⁶ Abandoned, in	sufficient supply oor quality	⁹ D Unfinished ¹⁰ D Replacement	it well								
 ³ Test hole ⁴ Recharge 	⁷ Abandoned (C well ⁸ Dewatering	ither)						A +	100	3		
	55-56	· · · · · · · · · · · · · · · · · · ·	9 🗆 Notuse					7500		1		
2 Stock 3 Irrigation	6		10 🗌 Other		20	NN	ark_	Je Je				
4 🗌 Industrial	8 🗋 Cooling & air c	xonditioning					Cer	SUNTY	20/9			
METHOD OF C	CONSTRUCTION 57 5 Chir percussion		⁹ 🗌 Driving						•			
 ² Rotary (coll ³ Rotary (re ⁴ Rotary (a) 	onventional) ⁶⁷ Boring everse) 7 Diamond ir) ⁸ Jetting		10 Digging 11 D Other								2522	726
	., <u> </u>									6	- 5 - 1	
Name of Well Contra NBITM	actor	Al Init	Well Contractor's Li	icence No.	Data source		58 Contractor)15	59-62 Da	ite receive OCT	282	002 63-68 80
Address	W X -				Date of	inspection		inspector	1		•	<u>_</u>
Name of Well Teem	nician (ALK	Well Technician's L	icence No.	Remark	s						
Signature of Tech	Contractor	<u>د</u>	Submission date	58	HISTI				C	Eunar e	general shares	2
	son All	les	day mo	yr	Ĩ					. 3		

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 9

🗑 Ont	Ministry of Envi	ronment		The Ontario Wate WATER W	r Resources Ad ELL RECORI
rint only in spa fark correct bo	aces provided. x with a checkmark, where app		2515624		
County or Distric		Township/Borough/City/ POTON Address of Well Locatio	Town/Village n	Con block tract st Con 2 Date complet	Invey, etc. Lot 22 SRW 227 ted 4 6 0 day month ye
21	Zone U M J	Easting Northing	RC Elevation	RC Basin Code ii	
General colour	LOC Most common material	G OF OVERBURDEN AND BEDF Other materials	COCK MATERIALS (see in	structions) General description	Depth - feet From To
<u>Rain</u>	Topsoil		7. 20		6+1
REN	Limestona	HARDHAN, S			116-142
31 32					
41 WAT	14 15 21 ER RECORD 51 Kind of water In	CASING & OPEN HOLE side am Material thickness	RECORD	Sizes of opening 31-33 Dian (Slot No.)	neter 34-38 Length 3 inches f
12 ¹⁰⁻¹³	Tresh 3 Sulphur 14 Salty 6 Gas	ches inches 10/1 1X Steel 12 2 Galvanized 188	+2 + 118	Material and type	Depth at top of screen 41-44 feet
13 ¹⁵ 1 ⁸ 2	Fresh 3 Sulphur 19 4 Minerals 6 Gas 3 Sulphur 24	4 □ Open hole 5 □ Plastic 17-18 1 □ Steel ¹⁹		PLUGGING & SEA	LING RECORD
25-28 1	□ Fresh 4 □ Minerals □ Satty 6 □ Gas	2 Galvanizeo 3 Concrete 4 Open hole 5 Plastic		epth set at - feet From To Material and typ	e (Cement grout, bentonite, e
30-33 1	Salty Salty G ⊆ Gas Salty Salty G ⊆ Gas Salty	24-25 1 Calvanized 2 Galvanized 3 Concrete 4 Open hole	27-30	18-21 22-25 26-29 30-33 80	Glout
Pumping tes	t method 10 Pumping rate	5 Plastic] L L] [
Static level	2 Bailer Water level end of pumping 25 Water levels during 25	Hours Mins	In diagram bel Indicate north	ow show distances of well fr by arrow. I	om road and lot line.
	3 1 15 minutes 30 min 3 1 5 minutes 30 min	$\begin{array}{c c} \text{fulles} \\ 1 \\ \text{feet} \end{array} \begin{array}{c} \text{45 minutes} \\ 3 \\ \text{feet} \end{array} \begin{array}{c} \text{60 minutes} \\ 3 \\ \text{feet} \end{array} \end{array}$			1
If flowing give Recommende	d pump type Recommended	feet Clear Cloudy 43-45 Recommended 46-49	L R	' +	
50-53) feet 10-12 GPM	l l	1500	
FINAL STAT	Supply 5 Abandoned, insuf ation well 6 Abandoned, poor le 7 Abandoned (Othe	ficient supply ⁹ □ Unfinished quality ¹⁰ □ Replacement well r)	8	Chrack.	11 1 1 1 1 1 1
4 Rechar	ge well ⁸ 🗆 Dewatering 55-56		1	Js7.	DIF
1 Stock 2 Stock 3 Irrigatio 4 Industr	tic 5 □ Commercial 6 □ Municipal on 7 □ Public supply ial 8 □ Cooling & air con	9 🗋 Not use 10 🗌 Other	3	COUNTY Rel	Dundaul 9
METHOD OI		⁹ 🗌 Driving			
² Rotary ³ Rotary ⁴ Rotary	(conventional) 6 [€] Boring (reverse) 7 □ Diamond (air) 8 □ Jetting	10 Digging 11 D Other			262208
Name of Well Co	manhi 1/2/1 Do	Well Contractor's Licence No	Data 58 Ci source	ontractor 0 1 5 59-62 Da	IVL 1 6 2003
Address RP#	4 DUNDALK	Well Technisics's Linears Ma	Date of inspection	Inspector	
Name of Well To	nician/Contractor	Submission date			CSS.ES3
	in Hell	day mo yr	Ī		

2 - MINISTRY OF ENVIRONMENT AND ENERGY COPY

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0506 (06/02) Front Form 9

Solution Ministry of the Environment	Well 7	umber b	elow) June 8 Regulatio	H 050 (05 on 903 Ontario	Well Record Water Resources Act
Instructions for Completing Form	GOA -	1626		1 MARINE MARKA	page of
 For use in the Province of Ontario only. This All Sections must be completed in full to avoid Questions regarding completing this application 	document is a perm d delays in processin on can be directed to	nanent legal docum ng. Further instructions the Water Well Ma	ent. Please retain for ons and explanations a anagement Coordinat	future reference re available o or at 416-23	ence. n the back of this form. 5-6203.
 All metre measurements shall be reported Please print clearly in blue or black ink only. 	to 1/10" of a metre	•	Minist	ry Use Only	
Well Owner's Information and Location of W	Vell Information				
		ailing Address (Street	Numper/Name RR LOI	LODCession}	
					de
Address of Well Location (County/District/Municipality)	To	ownship		Lot	Concession
Address of Well Location (County/District/Municipality) RR#/Street Number/Name	То	ownship City/Town/Village DUNdalk	Site/C	Lot Compartment/l	Concession Block/Tract etc.

Log of Overbu	rden and Bedrock	Materials (see	instructions)).

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• ·

General Colour	Most common material	Other Materials	General Description	Depth Metres From To
$\int \partial \Omega $	(Camp)			0,11
Orey +	grover			11 Q

nevone	Sand	<u> </u>	GIAV	<u>e(</u>							$\overline{\mathbf{O}}$
Snown	wn Sand Silt						•4		<u>d.</u>]		
aht brown	5117		San	CL		KOCKY	2.		6		
1		· · · · · · · · · · · · · · · · · · ·	<u>.</u>								-
							<u></u>				
		· · · · · · · · · · · · · · · · ·				····					
					,						
				truction Rooo			Tes	t of W	ell Yield	<u></u>	· · · · · ·
Hole Diar	neter		Cons				Dumping test method	Dra	w Down	R	ecoverv
Depth Metre	s Diameter	Inside	Matorial	Wall	Depth	Metres	Pumping test method	Time	Nater Level	Time	Water Le
From To	Centimetres	diam	Material	thickness -	From	То		min	Metres	min	Metre
6 (0.	$\left \boldsymbol{\alpha} \right $	centimetres	- · ·	Centimetres			Pump intake set at -	Static			
				Casing			(metres)	Level	· · ·		
	· · · · ·		Steel Fibreglass			2	Pumping rate -		/	<u>[1</u>	
		6		7	\mathcal{O}	$\left \right\rangle$					
Water Re	cord		Galvanized	• 1		i'a	Duration of pumping	2		2	· · · · ·
ater found	Kind of Water		Steel Fibrealass				nrs + min		/		
	sh Sulphur						of pumping	3/		3	
Gas Salt	v Minerals	· ·	Galvanized				metres	× –			<u> </u>
Other:				·····			I Recommended pump type.	4		4	
m Free	sh 🗌 Sulphur				·		Shallow Deep	2			
🗌 Gas 🔄 🔲 Salt	y 🔲 Minerals						depth.	5		5	····
Other:			Galvanized								
m 🔲 Free	sh 🗌 Sulphur		·	Screen	· · · · -		rate.	10		10	
Gas Salt	y 🔄 Minerals	Outside	Steel Fibreglass	Slot No.			(litres/min)	15		15	
			Plastic Concrete			1		20		20	
After test of well yie	ld, water was	164	Galvanized		na	$ \Psi $	If pumping discontin-	20		30	
							uea, give reason.	40		40	
Other, specify				Jasing or Scre			4F/	50		50	
Chlorinated Tyes	No		Open hole					60		60	
		l				·····					·····
Plu	ugging and Se	aling Rec	ord 🕢 Annula	ar space 📃 Ab	andonment		Location	of We			
Depth set at - Metres	Material and typ	e (bentonite	slurry, neat cement slurry	y) etc. Volum	e Placed metres)	In diagram below	w show distances of well f	rom roa	ia, iot line,	and bu	illaing.
6 16	Car	acaba									
	i con	QE Ve	······			Sel	Map		2		
.15 1.1	ben	tonite	. · . · · · · · · · · · · · · · · · · ·				1				
·····			·····								
			·		<u></u>						
								· 1			
	N	lethod of	Construction		·						
Cable Tool		(air)		[Digging						
Botary (conventio	onal) [] Air perc	cussion		· L .	l Çiner						
Kotary (reverse)	Boring	18/-4									
		vvat		nlv 🖂	Other		· · ·				
	تسليم بالمحمل 📃			. H.V. 🖅	a an the filler of the second s	1 1 .					
Domestic		ai ercial	Not used	P'Y				1.0			
Domestic Stock	Industri Comme Municip	ercial Pal	Not used	air conditioning		Audit No. 🛶		ate Well	Completed		MM





Ontario Ministry of the Environment		Well Tat A 005365	Well Record Regulation 903 Ontario Water Resources Act
ions for Comple	ting Form	A 005365	page of
use in the Provinc Sections must be c	e of Ontario only. Th	is document is a permanent legal document. Ple	ease retain for future reference.

Instructions for

Signature of Technician/Contractor

X 1/

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

T lease p						MUN				- <u>J</u>	LOT		
F													
C													
	annoran					JWIISHIU							
165	PRC	MOTON	ST	······································	77	DUND	ALK	Lot		001100	.001011		
RR#/Street Nu	umber/N	ame		·*	L.	City/Town/V		Site/Comp	artme	nt/Block/Tr	act et	5	
GPS Reading	N	AD Zor	e Easti	ng Nort	thing	Unit Make/M	Nodel Mod	e of Operation:	differen	tiated N		KE I	
	8	3	1 54	8228 46	HOHOT	GARMIN			ferentia	ted, specify_		.900	
Log of Over	rburde	n and Be	drock M	laterials (see ins	tructions)	· · · · · ·							
General Colour	Mo	st common	material	Other Ma	aterials		Genera	al Description		Dep Fro	oth om	Metres To	
BLOK	10	7 100 1		Sant		L	0055			. 0	0		
BROWN	5,1	+.		Cobbles	, Said	D.	en SE			13		4.57.	
	100												
					2								
						11 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -							
					,								
	$\uparrow \Lambda$	MEC											
Hole	Diametr	er		Cons	truction Poo	ord		1					
Depth M	letres	Diameter	Inaida		Mall	Donth	Nactore o	Pumping test method		aw Down	R	ecovery	
From	То	Centimetres	diam	Material	thickness	Deptn	wetres		Time	Water Level	Time	Water Level	
0 4	.57	20	centimetres		centimetres	From	То	Pump intake set at -	min	Metres	min	Metres	
	÷.,			I	Casing			(metres)	Level			~~~	
			-	Steel Fibreglass				(litres/min)	1		്1		
Wate	r Recor	d	.5		400	O	1.52.	Duration of pumping	2		2	9 - A	
Water found at Metres	Kind	of Water		Steel Fibreglass				hrs + mir	<u>ا</u>				
m	Fresh [Sulphur		Plastic Concrete				Final water level end	3		3		
Gas	Salty	Minerals		Galvanized		in the second		metres	8		4		
	Fresh	Sulphur		Steel Fibreglass	e a tel steta			type.	4		4 _@		
Gas	Salty [Minerals		Plastic Concrete				Recommended pump	5		5		
Other:		· · · · · ·		Galvanized				Recommended nump					
Gas	Fresh Salty	Sulphur Minerals	Outside		Screen	last bissis	1	rate.	10		10	and 1971	
Other:			diam		Slot No.			If flowing give rate -	20		20		
After test of well	l yield, w	ater was	6	Galvanized	10	152	157	(litres/min)	25		25		
Other, specif	fv	ee	· U	No C	asing or Sor	4.57	1.20	ued, give reason.	30		30		
	.,					een			50		40 50	·······	
Chlorinated	Yes	No		Open hole					60		60		
	Pluggi	ng and Se	aling Reco	ord 📉 Annula	r space 🔲 A	bandonment		Location	of We	11			
Depth set at - Me	etres Ma	terial and typ	e (bentonite s	slurry, neat cement slurry) etc. Volun	ne Placed	In diagram below	w show distances of well f	rom roa	ad, lot line, a	and bui	ding.	
0 13	3 (ene	· t				indicate north by	arrow.				.1	
.3 1.0	i ú	Zewas	ite C	4.05								N A	
				with a								ф.	
						e .						1	
i da		M	ethod of	Construction				\odot	X				
Cable Tool		Rotary (a	air)	Diamond		Digging	and the second s						
Rotary (conve Rotary (reverse)	entional)	Air perc	ussion	Jetting	; .	Other	1.	4					
(iovers	/		Wate	er Use									
Domestic		- Industria	I	Public Supp	ly C] Other							
Stock			cial	Not used	ir conditioning	and And Alight Angle	Audit Na			Completed			
			Final Sta	tus of Well				46561		Z	6 1	MM DD	
Water Supply		Recharge we	11	Unfinished	Abando	oned, (Other)	Was the well ow	vner's information Da	te Deliv	rered Y		MM DD	
Observation w Test Hole	vell ∐ / ∏ /	Abandoned, i Abandoned. r	nsufficient s boor quality	upply Dewatering	nt well		package delivere		· · · ו** · ·		- 1910	- 19	
	<u>ليبيب</u>	Well Cont	ractor/Teo	chnician Informatio	on in			Ministry Us	e Onl	У			
Name of Well Co	ntractor	Dr.II.	ion	We	ell Contractor's L (2027)	icence No.	Data Source	Co	ntracto	h 9.9).		
Business Address	s (street i	name, numbe	er, city etc.)	<u> </u>	ہے رب <i>ب</i>		Date Received	YYYY MM _{DD} Da	te of Ins	spection y	<u></u> /ҮҮ	MM DD	
2160	Nwy	+ #7	CON	670	- N - T		FFR 7 F						
Name of Well Tec	ennician (jast name, fi	st name)	We	The chnician's I	Licence No.	Remarks	We	II Reco	ord Number			

| MM | [] DD | 30

Date Submitted _{YYYY} 2.06

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201	. Sports						_		
PO	ntario	Ministry of the Enviror	Well Tag	y ^{⊾i} hor ,≜	Dane sticker and p	rint number below)	Regulation 903	Well 3 Ontario Water F	Record Resources Act
Instruction	s for Complet	ina Form		A04	7429			pa	ge <u> </u> of <u> </u>
• For use	in the Province	e of Ontario	only. This docum	ent is a pe	ermanent leg	al document. P	⊐ Please retain for futur	e reference.	
 All Secti Question 	ons must be co ns regarding co	ompleted in 1 mpletina this	full to avoid delays s application can b	in proces e directed	ssing. Further d to the Wate	instructions an Well Manage	d explanations are ava ment Coordinator at	ailable on the bac 416-235-6203.	k of this form.
• All metr	e measuremer	nts shall be	reported to 1/10t	^h of a me	tre		Ministry Use	e Only	
Well Owner	r's Information	and Loca	tion of Well Info	rmation	MUN	С	ON ON		т
First Name		Last Nam	e		Mailing Addre	ss (Street Numb	er/Name, RR,Lot,Conc	ession)	
County/Distric	- MPEX 19L t/Municipality	. OIL	Township/City/Tow	n/Village		I <u>VIVFOZD</u> rovince Posta	al Code Di <u>RIVE</u>	phone Number (in	clude area code)
			TORONT	0	Taurahia	Ontario	41	6441-78	66
Address of we	El Location (Coun	ty/District/Mul	ncipality)		rownsnip			Concess	sion
RR#/Street Nu	Imber/Name				City/Town/V	llage	Site/Compa	artment/Block/Trac	t etc.
GPS Reading	NAD Z	one Eastin	g North		Unit Make/N	Aodel Mode	e of Operation: 📈 Und	ifferentiated	Averaged
Log of Ove	8 3 1 rburden and E	Bedrock Ma	4 8 4 5 6 4 8 aterials (see inst	ructions	DGARM	VETIER		erentiated, specify	
General Colour	Most commo	n material	Other Ma	terials	<u> </u>	Genera	al Description	Depth	Metres
BIZONN	SAM	SILT	SAND					0	1,2
Beown	SILT		SAND	TRAC	ECRAVE	EL + CL	AM	1.2	4.6
Hole	Diameter		Cons	truction R	ecord		Tes	t of Well Yield	
Depth M	letres Diameter	Inside	Material	Wall	Depth	Metres	Pumping test method	Draw Down	Recovery
	1.2m 20.22	centimetres	Material	centimetre	es From	То		min Metres	min Metres
	101 20.50			Casing			(metres)	Static Level	
			Steel Fibreglass		0	1.0	Pumping rate - (litres/min)	1	1
Wate	r Record	5, ICM	Concrete	0,48cm	u U	1. Ln	Duration of pumping	2	2
Water found at Metres	/ Kind of Water		Steel Fibreglass				Final water level end	2	2
Gas	Fresh Sulphur Salty Minerals	5	Plastic Concrete				of pumpingmetres		3
Other:	· · · · · · · · · · · · · · · · · · ·		Steel Fibreglass				Recommended pump	4	4
Gas	Fresh Sulphur Salty Minerals	6	Plastic Concrete				Recommended pump	5	5
Other:	Freeh Oulehur		Galvanized	Screen			Recommended pump	10	10
Gas	Salty Minerals	s Outside	Steel	Slot No.			rate. (litres/min)	15	15
After test of we	ll vield, water was	diam	Plastic Concrete		- 1,2 m	4.3m	If flowing give rate -	20	20
Clear and se	ediment free	6.Och	Galvanized	10			If pumping discontin-	30	30
Other, speci	fy	╡┝	No C	asing or S	Screen			40	40
Chlorinated	Yes No		Open hole					60	60
	Plugging and S	ealing Reco	rd 🖂 Annula	r space	Abandonment		Location of	of Well	
Depth set at - M	etres Material and t	ype (bentonite s	lurry, neat cement slurry)) etc. Vc (c	ubic metres)	In diagram below Indicate north by	w show distances of well fr y arrow.	om road, lot line, an	d building.
0	HOLE	E PLUG	-	0,	62976			8	r all
								5	
						man	m	Kanf	\sim
		vl				L'A		Ź	
	<u>}</u>	Method of C	Construction				A LAN	Ş	
Cable Tool	entional) 🗌 Air pe	rcussion	Diamond		Digging	K	Ma w	, ≩	
Rotary (rever	se) 🗌 Boring) Moto			ALKOER	- Ch		\rightarrow $$	
Domestic	Indust	rial		ly	Other	(Ale	E V		
Stock	Comr Munic	nercial ipal	Not used	r conditionin	TESTING	Audit No		e Well Completed	
	۲۰۰۰ ۲۰۰۰ ۱۹۹۰ – ۲۰۰۰	Final Stat	us of Well		~		53653	200	\$ 04 B7
Water Supply	/ Recharge well Abandoned	well d, insufficient su	Dewaterina	Aba	andoned, (Other)	Was the well ov package delivered	wner's information Dat ed? Yes KNo	e Delivered YYY	Y MM DD
Test Hole	Abandoned	l, poor quality	Replacemen	t well			Ministry He	e Only	I
Name of Well Co	ontractor	nuacion/lec	We	ell Contractor	Licence No.	Data Source	Cor	ntractor 6 0 0	<u> </u>
KODI AK Business Addres	ENVIRONA ss (street name. num	ter, city etc.)		6450	C	Date Received	Dat	e of Inspection	Y MM DD
871 Eque	STRIAM (T. OA	KUNLE, Do	ン .	ala Licene - Mi	SEP 10	<u>2007</u>		
R 1 T	CEY	, first name)	We	r = 26	s Licence No.	Remarks	We	II Record Number	
Signature of Teo	hnician/Contractor		Date	è Submitted _Y	YYY MM DD	-*-			
	7. 44	Contr		nintru'o Cor	10124		Cotto fr	rmula ost disponi	hlo on francoio

ру

	e	Ministry	of		Well Tag	No. (Place	Sticker an	d/or Print Below)	1		We	II R	ecord
ν On	itario	the Env	ironment		the	con	11/15	5100	Regulation	903 Or	ntario Wate	Reso	ources Act
Measuremen	nts recorded	iin: 💢 Me	etric Im	perial	No	744	Protes	207		101319	Page	192151	01
Well Owne First Name	er's Inforn	hation La	st Name / Or	ganization		9111/1E32		E-mail Address	1111/4 14119	111722		Well C	constructed
Mailing Addre	ess (Street N	umber/Nam	e)		M	unicipality	1000	Province	Postal Code	T	elephone No	by We	II Owner area code)
Well Locat	7. C.L.	41 E AV	sure	ω.	HEREN	15000,	NIO	ONTACIO	112011				
Address of W	Vell Location	(Street Num	ber/Name)	1	To	ownship			Lot	0	Concession	e	$\tau \omega$
County/Distr	ict/Municipal	ity	er n	OPT	C	ity/Town/Villa	10N age		001	Provinc	28	Postal	Code
GRE	EY Jana	Easting	Nor	thing	M		ALK	ot Number		Onta Other	r10		
NAD {	8 3 1 7	5487	100 4	B1901	909	unopurriu	rand ouble						
Overburder	n and Bedro	ock Materia	Is/Abandon	ment Sea	aling Recor	rd (see instrue	ctions on the	back of this form) Gen	eral Description			Dep	th (<i>m/ft</i>)
General Col	our	Most Commo	on Material		Othe	er waterials		0011	oran Decempion		r	rom	10
	- 110		DECO	. M.	SUNN	ZX A S	en h	26 905.2)				
	- 0	u u	sec 1	MATE	PIALS	REN	IDVER	FROM	BOREH	100	E		
	- 2	C2 110	LES	SCAL	45	w/38	NTON	ITE					
	- 10	10 WE	eac	TAG	AR	ESENT							
						1.00							
Denth Cert	4		Annular	Space	1121211	Volumo	Discod	After test of well vield	Results of We	Dra	d Testing aw Down	R	ecovery
From From	To		(Material and	d Type)		(m)	/ft ³)	Clear and sand	free	Time (min)	Water Level	Time (min)	Water Level
6.0	67	Conci	rete					If pumping discontinu	ued, give reason:	Static	(117)	(1111)	(111)
0.2	611	BENS	EAL							Level 1		1	
	6.1	Eor						Pump intake set at	(m/ft)	2		2	
					-				10010	3		3	
Meth	od of Cons	struction		and the state	Well Us	e		Pumping rate (Imin	/ GPM)	4		4	
Cable Too	ol Conventional)	Diamond	Dor	nestic	Comme Municipa	al 🗌	Not used Dewatering	Duration of pumpin	g	5		5	
Rotary (R	leverse)	Driving	Live	estock ation	Cooling	le 🗌 & Air Conditio	Monitoring oning	Final water level end	of pumping (m/ft)	10		10	
Air percus	ssion			ustrial er snecify						15		15	-
	Cons	struction Re	ecord - Cas	ing	STOCK OF THE	Status	of Well	If flowing give rate (l/min-/ GPM)	20		20	
Inside Diameter	Open Hole (Galvanized	OR Material Fibreglass	Wall Thickness	Dept	h (<i>m/ft</i>)	Water S	Supply ement Well	Recommended pur	mp depth (m/ft)	25		25	
(cm/in)	Concrete, P	lastic, Šteel)	(cm/in)	From	То	Test Ho	ole Noll	Recommended pur	mp rate	30		30	
50	pre			0,0	1.0	- Dewate	ge weil ring Well	(Vmin / GPM)		40		40	
						Observa Monitori	ation and/or ing Hole	Well production (I/n	nin / GPM)	50		50	
1						Alteration (Constr	on uction)	Disinfected?		60		60	
						Abando Insuffici	oned, ient Supply	Yes No	Man of M		ation	00	10.000 10.000 FE
Outside	Col	Instruction Re	ecord - Scre	en Dept	th (<i>m/ft</i>)	Abando Water (oned, Poor Quality	Please provide a ma	ap below following	instruct	tions on the b	ack.	
Diameter (cm/in)	(Plastic, Galv	anized, Steel)	Slot No.	From	То	Abando specify	oned, other,	1					
6.3	Pre			\$10	6.1	Other	anna chu				P.C.		
							spoony				165	1	
		Water Det	tails	Utataata	H Der	Hole Diame	ter Diameter	I S			ecc.		
Vater toun	v/ft)Gas	Other, spe	r: Presn acify	Untester	From	To	(cm/in)	E-		2			
Water foun	d at Depth	Kind of Wate	r: Fresh	Unteste	d				e tza i	1	P	2070	N FT.
(m Water foun	v/ft) Gas d at Depth	Other, spe Kind of Wate	r: Fresh	Unteste	d			51-	1				
(m	v/ft) ⊡ Gas	Other, spe	ecify						1.2	1			
Business N	We ame of Well	Contractor	or and Well	Technici	an Informa	ell Contractoria	Licence No.		6 CM				
SONIC	SOLS	AMPLIN	G INC.		1	Vanie		1					
688 MIL	LWAY	AVENU	e ^{ie)}		M	ULING REALING T		· M	is A	TA	(ME)		
ONTAR		stal Code	2 Busines	dinic@	sonics	oil.com		Well owner's Date	e Package Deliver	red	Minis	try U	se Only
Bus.Telepho	one No. (inc. a	nea code) Na		HIBAL	D, MAL	st Name)		information package	Y IY IY M M	DD	Audit No. Z	8	5200
Well Technic	ian's Licence I	No. Signature	e of Technicia	an and/or (Contractor Da	ate Submitted		Ves Date	e Work Complete	t	D	EC	7 2008
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Ministry of the Environment Measurements recorded in: Metric	Well Tag No. (Place Sticker a NO TAG F	nd/or Print Below)	Well Record
Well Owner's Information First Name Making Modress (Street Number/Name) Well Location	zation Municipality Toron-to	E-mail Address Province Ont MBCI	Well Constructed by Well Owner Telephone No. (<i>inc. area code</i>) K54164417862
Address of Well ocation (Street Number/Name) IG5 Froton St. W. County/District/Municipality UTM Coordinates Zone Easting Northing NAD 8 3 17543260489	Township City/Town/Villago Dundalk Municipal Plan and Suble	Lot ot Number	Concession Province Postal Code Ontario
Overburden and Bedrock Materials/Abandonmen Hoteral Adour MASsommen Material 1 17/543260 2 17/543263	t Sealing Record (see instructions on the NORTHAMETERIS 4890289 4890285	Bentonite Bentonite	Depth (m/ft) From To 0'15' 0'15'
Annular Space Depth Set at (m/ft) Type of Sealant U: Etom To (Material and Type)	sed Volume Placed	Results of W After test of well yield, water was:	ell Yield Testing Draw Down Recovery Time Water Level Time Water Level
Method of Construction	Well Use	Other specify Other specify If pumping discontinued, give reason: Pump intake set at (m/t) Pumping rate (//min / GPM)	(min) (mvft) (min) (mvft) Static
Catality (Sonventional) Letting Rotary (Sonventional) Letting Rotary (Reverse) Driving Boring Digging Air percussion Industrial Other, specify Other, specify Construction Record - Casing Inside Open Hole OR Material Diameter Galvanized, Fibreglass,	Commercial Municipal Dewatering Test Hole Kair Conditioning Coeffing & Air Conditioni	Duration of pumping hrs + min Final water level end of pumping (m/t) If flowing give rate (i/min / GPM) Recommended pump depth (m/ft)	5 5 10 10 15 15 20 20 25 25
(amín) Concrete, Plastic, Steel) (amín) Pro	m To Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply	Recommended pump rate (I/min / GPM) Well production (I/min / GPM) Disinfected? Yes No	30 30 40 40 50 50 60 60
Construction Record - Screen OutSide Material Diameter (cmvin) (Plastic, Calvanized, Steel) Water Details	Deptb (m/ft) To To Abandoned, Poor Water Quality Abandoned, other, specify Not in Use Other, specify Hole Diameter	Please provide a map below following P S + House	a instructions on the back.
Water found at Depth Kind of Water: Fresh Unter (m/it) Gas Other, specify Water found at Depth Kind of Water: Fresh Unter (m/it) Gas Other, specify Water found at Depth Kind of Water: Fresh Unter (m/it) Gas Other, specify Water found at Depth Kind of Water: Fresh Unter (m/it) Gas Other, specify Well Contractor and Well Tech Well Tech	ested Depth (m/ft) Diameter From To (cm/in) ested	n 165 Proton St.	+2
Business Name of Well Contractor Business Address (Street Number/Name) 260 HWy 7 Concord Province Postal Code Business E-ma Ont LYKIW6 Bus. Telephone No. (<i>inc. area code</i>) Name of Well Technic	Well Contractor's Licence No. 6 0 3 2 Municipality 0 r K Management Management Municipality 0 r K Municipality 0 r K Standard Resource No. 10 0 3 2 10 0 1 3 2 10 0 1 3 1 2 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Well owner's Well owner's Information package of the read	AZCO ed Ministry Use Only Audit No. - 1 0 1 1 7 0
Well Technician's Licence No. Signature of Technician and 0506E (2007/12) © Queen's Printer for Organo, 2007	Variation Date Submitted 20101109 Ministry's Copy	Yes Date Work Completed	0 2 BEC 0 3 2010

Ministry of Well Tag No. (Place Sticker and/or Print Below) Well Record Ontario the Environment Regulation 903 Ontario Water Resources Act DECOM Measurements recorded in: 🗌 Metric 🛃 Imperial Page of Well Owner's Information Last Name / Organization First Name E-mail Address Well Constructed Importa Die LYD Mailing Address (Street Number/Name) by Well Owner Municipality Province Postal Code Telephone No. (inc. area code) 90 WYNFORD OR M361K54164417862 TORONTO ONT Well Location Address of Well Location (Street Number/Name) Township Concession 165 PROTON ST.W. County/District/Municipality City/Town/Village 7 Postal Code Province GRET UTM Coordinates Zone Easting Ontario DUNDALK Municipal Plan and Sublot Number Northing Other NAD 83175432644890283 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) General Colour Most Common Material Other Materials General Description From DECOM Puce 2 INTER PLASTIC PIPES, CHLORINATE, BACKFILL (1) 0 140 FROM 140' - 3716" WITH SAND, 1" BENYUNIR chips, GROUT up to s' + Fill TOP s' with BENTONITO Chips STATIC WATER TABLE AT 37.6" Annular Space **Results of Well Yield Testing** After test of well yield, water was: Depth Set at (m/ft) Recovery Type of Sealant Used Volume Placed Draw Down Time Material and Typ (m /13) Clear and sand free Time Water Level Water Level (min) (m/ft) Other, specify (m/ft) (min) BEATROUTTE Statio If pumping discontinued, give reason: Level 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Well Use Method of Construction Public 4 4 Diamond Not used Cable Tool Commercial Duration of pumping Rotary (Conventional) Municipal Dewatering Jetting Domestic 5 5 Livestock hrs + min Monitoring Rotary (Reverse) Dri Cooling & Air Conditioning ing Digging Final water level end of pumping (m/li Boring 10 10 Air percussion Industrial Other, specify Other, specify 15 If flowing give rate (I/min / GPM) Construction Record - Casing Status of Well 21 20 Open Hole OR Material Depth (m/ft) Inside Water Supply Wall Recommended pump depth (m/) (Galvanized, Fibreglass, Concrete, Plastic, Steel) Diameter Thickness Replacement Well 25 25 From To (cm/in) Test Hole Recommended pump rate (Vmin / GPM) Recharge Well 30 30 DECON Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Alteration fected? (Construction) Yes No 60 60 Abandoned, Insufficient Supply Map of Well Location **Construction Record - Screen** Abandoned, Poor Outside Depth (m/ft) Water Quality Please provide a map below following instructions on the back Material Galvanized, Steel) Diamete (cm/in) Slot No. Abandoned, other, From To specify. scon 0 NOTINKE And CRAS Other, specify pro 40 Water Details **Hole Diameter** Water found at Depth Kind of Water: Fresh Untested Diameter (cm/in) Depth (m/ft) From (m/ft) Gas Other, specify To 202 Water found at Depth Kind of Water: Fresh Untested 200 (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Il Contractor's Licence No COUNTY Roy ATCUST DRILLING Business Address (Street Number/Name) 2160 HWJ TCURCORS 9 6032 Comments: Municipality 10A 202 VAUGHAN HAZCO Postal Code Province Business E-mail Address ONT LIGKING inso adresstdrilling, Coly Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Well owner information Date Package Delivered Ministry Use Only Audit No. package delivered YYYMMD 9056691257 TRUDGALL ORCN Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted 108898 Date Work Completed DEC 0 3 2010 Yes T2324 20100920 den 6 NO 20100920 6E (12/2007) Ministry's Copy © Queen's Printer for Ontario, 2007

\$20	ntario Minist	try of nvironment		Well Tag	g No. (Place Sticker a	A117947	ion 903 Ontario	Nell R	ecord
Measureme	ents recorded in:	Metric 🗌	Imperial	A	11199	1	Pa	ge	of
Well Owr First Name	ner's Information	Last Name /	Organizatio	n		E-mail Address		U Well C	onstructed
Mailing Add	Iner (Street Number(No	Imp	erial	OIL	lunisinalitu	Browinson Bostol Co	do Tolonho	by We	Il Owner
90	Wynford	Drive		IV	Tronto	Out MI3ICI	LK5		
Well Loca	tion	mber/Name)		Т	ownship	Lot	Conces	sion	
185	Proton St	•			omionip				
County/Dist	trict/Municipality			C	Dundalk		Province Ontario	Postal	Code
UTM Coordi	nates Zone Easting	6.81.W	R 20	617	Iunicipal Plan and Suble	ot Number	Other		
Overburde	en and Bedrock Materi	ials/Abando	onment Se	aling Reco	rd (see instructions on the	back of this form)			
General Co	Jour Most Com	mon Materia		Oth	er Materials	General Descript	ion	From	h (m/ft) To
BANKRY	Cillia Fil	1		Ja. T-11	ndy	moist		0	8
plown	Cobyle			1,11		ony		0	00
		Annular	Space			Results of	Well Yield Testi	na	
Depth Se From	t at (<i>m/ft</i>) To	Type of Sea	alant Used		Volume Placed	After test of well yield, water was:	Draw Dow	n Re	covery
15	8- 50	ind	id Typej		(1111)	Other, specify	(min) (m/h) (min)	(m/ft)
8-	1- Bent	tonite		,		If pumping discontinued, give reas	Dn: Level		
1-	0- Sand	/Flush	mont/	concret	e	Pump intake set at (m/#)	1	1	
						r and make out at fring	2	2	
Meth	od of Construction		Nilesin	Well Us	e	Pumping rate (I/min / GPM)	3	3	
Rotary (C	ol Diamono Conventional) Detting	d U Pu	blic mestic	Comme	al Dewatering	Duration of pumping	5	5	
Rotary (R Boring	(everse) Driving	Lix Irri	estock gation	Cooling	le Monitoring & Air Conditioning	Final water level end of pumping (n	vm) 10	10	
Air percu	ssion ecify		dustrial her, <i>specify</i> _		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	If flowing give rate (1/min / GPM)	15	15	
No. of the local sector of the	Construction R	lecord - Ca	sing	491	Status of Well		20	20	
Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete Plastic Steel)	Wall Thickness (cm/in)	From	h (<i>m/lt)</i> To	Water Supply	Recommended pump depth (m/f	25	25	
2-	Plastic	40	10	0-	Recharge Well	Recommended pump rate (Umin / GPM)	30	30	
~		10			Dewatering Well Observation and/or	Well production (I/min / GPM)	40	40	
					Monitoring Hole	Disinforted?	50	50	
					(Construction)	Yes No	60	60	
Outside	Construction F	Record - Scre	Ben	b (m/#)	Abandoned, Poor	Map of Please provide a map below follow	Well Location	he back.	A.1-
Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	From	To	Abandoned, other,	- Grey	ST N		10
2-	Plastic	10	15	10					
					U Other, speciny	10			
Water found	Water De	tails		H Dept	th (m/ft) Diameter	m m			
(m	(ft) Gas Other, sp	ecify		From	To (cm/in)	N N			
Water found	d at Depth Kind of Wate	er:Fresh ecify	Untested	15	0 8	N 5m 0			
Water found	d at Depth Kind of Wate	er: Fresh	Untested	1		1 al			
(m	Well Contract	or and Well	Technicia	an Informat	tion	E Smorting			
Busingss Na	ame of Well Contractor			We	Contractor's Licence No.	lim		_	
Business Ac	ddress (Street Number/Na	ame)		Mu	inicipality	Comments:	Y	-	
Province	Postal Code	Busines	s E-mail Ade	Aresa	1,55,559050				
ON	LYVIJ	2 Jas	onel	rotiled	Willing. com	Well owner's Date Package Deliv	vered Mi	nistry Use	Only
YIII	506444	Slocki)aso	Last Name,	First Name)	delivered Date Work Complex		1330	646
Well Technici	an's Licence No. Signature	e of Teohnicia	and and a Color	ontractor Dat			629 A	UG 0 9 2	011
0506E (2007/1	2) © Queen's Printer for On	itario, 2007			Ministry's Copy	MUTIN	Receive	u	

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Address of Well L	ocation (Street Number	/Name)	Т	PROFOL		Lot 22c	Cor	ncession	
County/District/M	ø unicipality		0	City/Town/Village		1 6 6 1	Province	Post	al Code
GREY				DUNDALI		200 C	Ontari	0 NO	CIBC
UTM Coordinates	Zone Easting	L Northing	N	Iunicipal Plan and Suble	ot Number		Other		
NAD 8 3	1754757	8489	2878				-		
General Colour	Most Common N	Abandonmen Aaterial	oth Sealing Reco	rd (see instructions on the er Materials	e back of this form) Gener	al Description		De	pth (m/m
	Top Sauce							From	. 3
RADIN	() AU		6	Range				.3	159
CAG	Corr		110123	FROCKS				15 -	1791
0-R-27	1	-	HOME		,			7.07	22 3
ILEY /BROWN	LIMASTON	£			INTERMIXS	ĒD		2 1.6	12.1
		-							
									5
;									
		_							
							<u></u>	<u> </u>	and the
D. H. O. I. I.	A	nnular Spac	e		After test of well yield y	lesults of We	Il Yield T	esting	Parovani
From T	o (Ma	e of Sealant U terial and Type	sed e)	(m³/br)	Clear and sand fr	ee	Time Wa	ater Level Time	Water Leve
0 13	BENTONI	The Seu	ARY	. 3	Other, specify		(min) Static	(m)) (min)	(m/購)
				1.	If pumping discontinue	d, give reason:	Level 7	,28	1116
						Constant in	1 8	.18 1	8.18
					Pump intake set at (m	V時 つ	2 8	36 2	8.08
		_			Pumping rate (1/min / 0	GRAM	3 8	7.46 3	8.02
Method o	of Construction	C Public	Well Us	ie	49	-	4 7	7.56 4	7.95
Rotary (Conven	ntional)	Domestic	Municipa	al Dewatering	Duration of pumping	lin	5 0	20 5	707
Rotary (Reverse	e) Driving	Livestock	Cooling	le Monitoring	Final water level end of	pumping (m/#	0	162 0	1.12
Air percussion	0/38.1.9	Industrial		or for contantioning	9.16		10 8	. 19 10	1.15
Other, specify_		Other, sp	ecify		If flowing give rate (1/m	nin / GPM)	15 0	. 89 15	7,68
Inside Ope	en Hole OR Material	Wall	Depth (m/#)	Water Supply	Recommended pump	depth (m/ft)	20 8	,96 20	7,62
Diameter (Gal (cm/b) Con	vanized, Fibreglass, Thi crete, Plastic, Steel) (d	ckness From	m To	Replacement Well	12.2 m	(401)	25 8	.99 25	7.57
16.0 5	TETL	5 +	8 30.7	Recharge Well	Recommended pump	rate	30 9	.02 30	7.53
1010 11	1 202 6	-		Dewatering Well	40L (1	OGPM)	40 5	2 10 40	7,49
		30.	7 32.3	Monitoring Hole	Well production (Vmin	/ GPM)	50 0	1/2 50	7 4
		_		(Construction)	Disinfected?	and the second	00 0	1/2 00	1.76
				Abandoned, Insufficient Supply	Yes No		00 9	,76 00	7.44
Outside	Construction Recor	d - Screen	Depth (m/P)	Abandoned, Poor	Please provide a map	Map of W	instructions	on the back.	
Diameter (cm/in) (Plast	tic, Galvanized, Steel) S	lot No. Fr	om To	Abandoned, other,					11
				speciry					11/
				Other, specify					
									pl.
Water found at D	Depth Kind of Water:	Fresh NUnt	ested Dep	th (<i>m</i> /#) Diameter	·				2
32 (m/#)	Gas Other, specify		From	To (cm/m)		Sul State	1.50		
Water found at D	Depth Kind of Water:	Fresh Unt	ested O	6,4 25.0	×<		in -		>1
(m/ft) Water found at D	Depth Kind of Water:	Fresh Unt	ested 6.4	30.7 20.0	50m				Ŧ
(m/ft)	Gas Other, specify		_ 30.7	32.3 15.6					
Dusing 1	Well Contractor an	d Well Tech	nician Informa	tion	5108	Rand	220		
Business Name o	TTIATION	3 1 2	We	7 7 7 7					11
Business Address	s (Street Number/Name)		Mu	unicipality	Comments:				100
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Bus.Telephone No	. (inc. area code) Name	of Well Technie	cian (Last Name,	First Name)	information package		Au	idit No.	700
511984	6 8 2 8 9 BRG	ADFORT	Jin		delivered Date W	ork Completed		Z T T S	180
Well Technician's Li	cence No. Signature of T	echnician and	or Contractor Da	te Submitted	No ald	اصامام		AUG 1	2011
0506E (2007/12) 6	B Quand's Drinter for Ontario	odered	K	0110110	KK	M M M M.	Re	ceived	

Well Tag No. (Place Sticker and/or Print Below) Well Record Ontario Ministry of the Environment Regulation 903 Ontario Water Resources Act Tag #: A166231 Imperial Page / of / Measurements recorded in: Metric Well Owner's Information Last Name / Organization First Name l FRIC DID 10 2127107 ON NC 105E HITE Address (Str Well Location Address of Well Location (Street Number/Name)wnship <u>Ermer</u>tsk 00 ROTON Province Postal EXITHEATE ð County/District/Municip Citv/Tow COUNTY UTM C Ì Ontario NOC \mathcal{G} HUNICIPAL Plan Other Coordinates N 48 41096 14 E 547 NAD 8 3 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft) General Colour Most Common Material Other Materials General Description From Τo 5:15 Sund Brown and gravel Clay V. denne 0 Compact to 20 10 piezometer installations " cluster **Results of Well Yield Testing** Annular Space After test of well yield, water was: Draw Down Recovery Volume Placed Depth Set at (m/ft) Type of Sealant Used Time From Time Water Level То (Material and Type) (m³/ft³) Clear and sand free Water Level (m/ft) Other, specify (min) (m/ft) (min) O 8 Static If pumping discontinued, give reason: Level 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use 4 4 Public Cable Tool Diamond Commercial Not used Duration of pumping Rotary (Conventional) Jetting Domestic Municipal Dewatering 5 5 hrs + min Driving Monitoring Rotary (Reverse) C Livestock Test Hole Final water level end of pumping (m/t Boring Digging Irrigation Cooling & Air Conditioning 10 10 Air percussion Industrial Other, specify Other, specify 15 15 If flowing give rate (I/min / GPM) **Construction Record - Casing** Status of Well 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Depth (m/ft) Water Supply Recommended pump depth (m/ft) Inside Wall Diameter (cm/in) Thickness Replacement Well 25 25 From То (cm/in) Test Hole Recommended pump rate 30 30 Recharge Well (I/min / GPM) 5 10 Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Disinfected (Construction) 60 60 Yes No Abandoned, Insufficient Supply Map of Well Location **Construction Record - Screen** Abandoned, Poor Water Quality Please provide a map below following instructions on the back. Outside Depth (m/ft) Material Diameter (cm/in) Slot No Abandoned, other, (Plastic, Galvanized, Steel) From То specify 10 70 Other, specify Þ Hole Diameter Water Details Diamete (cm/@ + Tagged Depth (m/0 Water found at Depth Kind of Water: VFresh Untested \$ From То 5 (m Gas Other, specify Ø LC Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify 3 Water found at Depth Kind of Water: Fresh Untested Deyle (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor ctor's Licence No Well Cont Grey Street Number/Name) へれへいか ESV Municipality Comments: (N A)/Business E-mail Addres Postal Code Well owner's information 1B Date Package Delivered Ministry Use Only VA SD 20107 5 Audit No.Z TV W W 186058 package delivered Ô Date Work Completed [] Yes Contractor FEB 0 9 2015 No Ministry's Copy



Map: Well records

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

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

Go Back to Map

Well ID

Well ID Number: 7285238Well Audit Number: *Z251816*Well Tag Number: *A210321This table contains information from the original well record and any subsequent updates.*

Well Location

231 GLENELG DR

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	Southgate
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547796.00 Northing: 4890661.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	SLTY		0 ft	15 ft
BRWN	SAND	SLTY	CLAY	15 ft	20 ft
GREY	CLAY	BLDR		20 ft	25 ft

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
13 ft	0 ft	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	

AUGER	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 inch	PLASTIC	0 ft	15 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.5 inch	PLASTIC	15 ft	25 ft

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7360

Results of Well Yield Testing

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

Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	

10	10	
15	15	
20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth

Kind

13 ft	Untested

Hole Diameter

Depth From	Depth To	Diameter
0 ft	25 ft	3 inch

Audit Number: Z251816

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: April 13, 2017

Related

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

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

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Map: Well records

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

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

Go Back to Map

Well ID

Well ID Number: 7285242Well Audit Number: *Z251811*Well Tag Number: *A210296This table contains information from the original well record and any subsequent updates.*

Well Location

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	Southgate
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547335.00 Northing: 4891170.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	SAND	SILT	SOFT	0 ft	15 ft
BRWN	SAND	GRVL	HARD	15 ft	25 ft

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
12 ft	0 ft	BENTONITE	

Method of Construction & Well Use

Method of Constructi	ion Well Use
Other Method	
AUGER	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 inch	PLASTIC		

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.5 inch	PLASTIC		

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7360

Results of Well Yield Testing

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

Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	

15	15	
20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

1	

Hole Diameter

Depth D From To	Depth o	Diameter
0 ft 25	25 ft	6 inch

Audit Number: Z251811

Date Well Completed: November 15, 2016

Date Well Record Received by MOE: April 13, 2017

Related

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

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

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Map: Well records

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

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

Go Back to Map

Well ID

Well ID Number: 7305297Well Audit Number: *Z243695*Well Tag Number: *A213693This table contains information from the original well record and any subsequent updates.*

Well Location

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	DUNDALK
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547926.00 Northing: 4890744.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
135 ft	-12 ft	HOLEPLUG	

Method of Construction & Well Use

Method of Construction	Well Use
	Not Used

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6634

Results of Well Yield Testing

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

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	

20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

1

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: Z243695

Date Well Completed: March 07, 2017

Date Well Record Received by MOE: February 13, 2018

Related

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

map#wells)

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

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Po	nta	Ministry TIO and Cit	of the Environ mate Change	iment	Well Ta	Tag#:A 2	nd/or Print Below) 1 3 6 9 2	Regulation	7 903 O	W ntario Wa	ell R	ecord
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						BUNDALK			Onta	rio	NOK	BID
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NAD Overburd	83 en and	/ // D/4/*/	<u> 7 スロ 9 5</u> als/Abandonn	nent Seali	IQ (na Recoi	rd (see instructions on the	back of this form)					
General C	olour	Most Comr	non Material		Othe	er Materials	Gene	eral Descriptior	1		Dept From	h (<i>m/ft</i>) ∣ To
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Depth S	let at (m	/ft)	Type of Sealar	nt Used		Volume Placed	After test of well yield,	water was:	Dra	w Down	Re	ecovery
From		2	(Material and T	Гуре)		(m³/ft ⁵)	Clear and sand	free	Time (min)	Water Leve	I Time	Water Level
35	-12	FT 3/8/	Hokepluc	e. D			If pumping discontinu	ed, give reason:	Static	(111)		(
									Level			
	-						Pump intake set at /	m/ft)				
		***********					in ump make set at (11210	2		2	
Met	hod o	f Construction			WellUs	e	Pumping rate (Vmin /	(GPM)	3		3	
Cable To	001	🗌 Diamoni	d 🗌 Public] Commer	cial	Duration of aumaina		4		4	
Rotary (Conven	tional) 🗌 Jetting	Dome:	stic [] Municipa	al Dewatering	hrs +	min	5		5	
			🗌 Irrigati	ion [Cooling	& Air Conditioning	Final water level end	of pumping (m/īt)	10		10	
Air percu	ussion specify		Indust	rial specify					15		15	
		Construction R	ecord - Casin	a		Status of Well	If flowing give rate (//	min / GPM)				
inside	Ope	n Hole OR Material	Wall	Depth (m/ft)	U Water Supply	Recommended pum	p depth (m/ft)	20		20	
(cm/in)	Con	/anized, Hibreglass, crete, Plastic, Steel)	(cm/in)	From	n To	Replacement Well			25		25	
	-					Recharge Well	Recommended pump rate (I/min / GPM)	p rate	30		30	
						Dewatering Well Observation and/or		- (00/0	40		40	
	+					Monitoring Hole	weir production (<i>inni</i>	n / GPW)	50		50	
						(Construction)	Disinfected?		60		60	
-						Abandoned, Insufficient Supply						
Outside	1	Construction R	ecord - Screen	Denth (m/it)	Abandoned, Poor Water Quality	Please provide a map	below following	instruction	arion ons on the	back.	<u></u>
Diameter <i>(cm/in)</i>	(Plastic, Galvanized, Steel) Slot No. From				То	Abandoned, other,		1		WEEL.		
						VETUSED				Ŵ	. 1	
						Other, specify		and a parameter		and a start in the same street stre	Contraction of the second seco	ana ya ku
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Water four	nd at D	epth Kind of Wate	r: TFresh TI	Jntested	H Dept	h (<i>m/ft)</i> Diameter			231	Gleo	els-	
(1	n/ft) 📋	Gas Other, spe	ecify		From	To (cm/in)	STA		Carden S. C.		Na	DALK
Water four	nd at D	epth Kind of Wate	r: 🗌 Fresh 🗌 l	Jntested				and the second				and the second
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AS-10/1521.001		Well Contracto	or and Well Te	chnician	Informat	ion	UNN BY	A for the second s				
Business N	lame of	Well Contractor	and the second		-} We	Il Contractor's Licence No.						
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7331881



Ministry of the Environment and Climate Change

Well Tag No. (Place Sticker and/or Print Below) A264297



2570970 ONTARIO INC.

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Conty/District/Municipality City/Town/Village Province Ontario	Postal	Code	
UTM Coordinates Zone , Easting , Northing , Municipal Plan and Sublot Number Other			
NAD 8 3 1754815148711468			
Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of uns form) General Colour Most Common Material Other Materials General Description	Dept From	h (<i>m/f</i> 0)	
Alcor Peat Spre silt Soturated, Swompy	0	and a second sec	
Grey Silt Some Sond Sat water being	Torophyserold	15	
Annular Space Results of Weil Yield Testin After test of well yield, water was: Draw Dowr	9 R	ecovery	
From To (Material and Type) (m ² /ft ³) Clear and sand free (min) (mft ²)	vel Time (min)	Water Level (m/ft)	
10 8 Si UCA SANU If pumping discontinued, give reason: Static Level 21	1		
0 0 HYDRATED DENTONTRE	1		
Pump intake set at (m/ft) 2	2		
Well Use Pumping rate (//min / GPM) 3	3		
Cable Tool Diamond Public Commercial Not used Duration of pumping	4		
Image: Conventional in the second	5		
Boring Digging Irrigation Cooling & Air Conditioning Final water level end of planping (mnt) Air percession Industrial	10		
Other, specify If flowing give rate (Vm/n / GPM) 15	15		
Inside Open Hole OR Material Wall Depth (<i>m/tt</i>) OF Recommended pump depth (<i>m/tt</i>)	20		
(cm/d) Concrete, Plastic, Steel) (cm/d) From To Test Hole Recommended pump rate 20	20		
Image: Weil Strength of the strengt of the strength of the strength of the strength of the st	40		
414 Heal 1/8 - F P Observation and/or Monitoring Hole Well production (<i>Vmin/GPM</i>) 50	50		
Alteration Disinfected?	60		
Construction Record - Screen			
Outside Material Depth (mf) Water Quality Please provide a map below following instructions of Depth (mf) Depth (mf) Depth (mf) Water Quality Please provide a map below following instructions of Depth (mf) Dep	on the bac	k.	
(cm/ig) (Plastic, Galvanized, Steel) From 10 specify			
Water Details Hole Diameter			
Water found at Depth Kind of Water. Fresh Untested Depth (mm). Diameter			
Water found at Depth Kind of Water: Fresh Untested			
(m/ft) Gas Other, specify			
(<i>m/t</i>) Gas Other, specify			
Well Contractor and Well Technician Information	Well Contractor and Well Technician Information		
LONDON SOIL TEST LTD. 7190 SEE ATTACHED) SEE HI IHEHED MAT		
Dundalk ON NOC 1B0	STEEL STICK UP CASING		
519-455-5777 info@londonsoil.com			
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)	°.Z3(15990	
Weij Technician's Licence/No. Signature of Technician's Gontractor Date Submitted , (/ Yes Date Work Completed	4PR 2 3	2019	
ASSEE (2014/11) MULLING 1/10/11/10/10/10/10/10/10/10/10/10/10/10	ed for the second se	for Ontario, 2014	


2 TIGO - ZACTOR. -

7331882			
	Ministry of the Environment and Climate Change	Well Tag No. (Place Sticker and/or Print Below)	Well Record
Measurements recorded	in: 🗌 Metric 🕅 Imperial	A264292	Regulation 903 Ontario Water Resources Act
	<i>?</i> \		· • • • • • • • • • • • • • • • • • • •

Address of Well Location	on (Street Number(Name) DV00AD4CH4 - FL	dof B	ownship	DF161	Concess	sion 7 SI	11750
Courty/District/Municip			ity/Town/Village	(\u0000000000	Province	Postal	Code
UTM Coordinates Zon	Easting Northing	N	Aunicipal Plan and Sublo	t Number	Other		
NAD 8 3	<u>기키 북왕이키기색 왕연</u> drock Materials/Abandonmen	1270 Sealing Reco	rd (see instructions on th	e back of this form)	42076	<u>9000</u>	<u>50570</u> 0
General Colour	Most Common Material	Oth	er Materials	General Descriptio	n	Dep From	th (<i>m</i>)
BOWY	5.1+	Sove	Sand	Soft		0	10
\$~ W ~ · · ·	<u>),[†</u>	Grone	1 2 50%	Very Vense		10	
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	Annular Space			Results of M			
Depth Set at ( <i>m/n</i> ) From To	Type of Sealant Us (Material and Type	ed )	Volume Placed (m³/ft³)	After test of well yield, water was:	Draw Down	n R	
20 8	SILICA SANI	)		Other, specify	(min) (mit)	(min)	(m/ft)
80	HYDRATED &	32utonite	2	If pumping discontinued, give reason			
				Pump intake set at (m/ft)		2	
				Pumping rate (//min (GPM)	3	3	
Method of Co	Diamond Diamond	Well Us	e		4	4	
Rotary (Conventional)	Jetting     Domestic       Driving     Livestock	Municipa     Test Hole	e Dewatering	Duration of pumping / hrs + n/in	5	5	
Boring	Digging Irrigation	Cooling a	& Air Conditioning	Final water level end of pumping (m/f	ט 10	10	
Cother, specify	CALL Other, spec	ify		If flowing give rate (Umin / GPM)	15	15	******
Inside Open Hole	e OR Material Wall I	Depth (mft)	Water Supply	Recommended pump depth (m/ft)	20	20	<u></u>
(Carvanize (cm/m), Concrete,	Plastic, Steel) (cm/m) From	n To	Replacement Well	Recommended oump rate	25	25	
2" M	VC 3/14° 12	> 13	Recharge Well	(I/min / GPI)	30	30	
<u>989</u> 546	el 48 -	+3	Observation and/or     Monitoring Hole	Well production (I/min / GPM)	- 40	40	
			- (Construction)	Disinfected?	60	60	
Go	nstruction Record - Screen		Abandoned, Insufficient Supply	Map of V	Vell Location		
Outside Mi Diameter (Plastic, Ga	aterial Ivanized, Steel) Slot No.	Depth (mft)	Water Quality	Please provide a map below follow	ring instructions of	on the back	•
21 PV	e Nitza		specify				
			Other, <i>specify</i>				
Motor formed at 5	Water Details	H	ole Diameter				
( <i>m/ft</i> ) Gas	Kind of Water: Fresh Unte	Sted Dept	h ( <i>m</i> ( <i>ti</i> )) To ( <i>cm</i> / <i>ti</i> ))				
Water found at Depth	Kind of Water: Fresh Unte	sted	10, 2				
Water found at Depth	Kind of Water: Fresh Unte	sted					
( <i>m/π</i> ) []Gas	Other, specify     ell Contractor and Well Techn	 Ician Informati	ion				
LONDON SO	OIL TEST LTD.	We	Contractor's Licence No.	SEE ATTACH	ED M.	AP	
712078 Sou	uthgate Sdrd. 71	Mu	icipality	Comments:	<u>.</u>	<u> </u>	
Dundalk, 9 519-455-5777 ;	ON NOC 1B0	Address		DIEEL SICK	. vr ut:	sing	
Bus.Telephone No. (inc.	area code) Name of Well Technici	an (Last Name	First Name)	Well owner's Information	red Mi Audit No	nistry Use	
	NATTS	Mike		delivered Date Work Complete		~3U	0000
	No. Signature of Jechoician and/c	r Contractor Pa	61464b5	10 20190H		APR 23	2019
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Sina 7 2ASMOL

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Dontario	Ministry of the Environment	Well Tag No. (Place Sticker and/or Print Below)		Well Record
Measurements recorded	in:  Metric  Imperial	· A264294	Regulation 90	3 Ontario Water Resources Act

Address of Well Location	on (Street Number/Name)	זד	ownship	DEIRT	Conces	sion 2 - Sl	UTRO
County/District/Municip	pality	c	ity/Town/Village	1/	Province Ontario	Postal	Code
UTM Coordinates Zon	e Easting Northing	N	Iunicipal Plan and Sublo	t Number	Other		
NAD 8 3 1-	<u> 쉬ડ[4] ) 이너러 역 817</u> drock Materials/Abandonmen	LISA-4 Sealing Reco	rd (see instructions on th	a back of this form)		-	
General Colour	Most Common Material	Oth	er Materials	General Description		Dep From	
Brown	5:17			Vary Silty Soil		0	5
Brown	silt	Grovel	4 Sond	Weter bearing g	rarel most	#15	15
							+
· · · · · · · · · · · · · · · · · · ·							
Depth Set at (m/t)	Annular Space Type of Sealant Us	ed	Volume Placed	Results of W After test of well yield, water was:	ell Yield Testi	ng m R	ecovery
From To	(Material and Type	)	(m³/ft³)	Clear and sand free  Other, specify	Time Water I (min) (me	.evel Time	Water Level (m/ft)
80	SILICA SAM			If pumping discontinued, give reason:	Static Level	1	
	HTIYMINED Da	WRUMI C		/	1	1	
				Pump intake set at (m/ft)	2	2	
Method of Co	nstruction	Well Us	e	Pumping rate (Vmin / GPM)	3	3	
Cable Tool	Diamond Public	Commer	cial Dewátering	Duration of pumping	4	4	
Rotary (Reverse)	Driving Livestock	Test Hole	e I Monitoring	Final water level end of pumping (m/fit)	5	5	<u> </u>
Air percussion	WGR ☐ Industrial □ Other, spe	cifv			10	10	الله المراجعة. 
Co	nstruction Record - Casing		Status of Well	If flowing give rate (Vmin / GPM)	20	20	
Inside Open Hol Diameter (Galvanizi	e OR Material Wall ed, Fibreglass, Thickness	Depth ( <i>m/ft</i> )/ m To	Water Supply Replacement Well	Recommended pump depth (m/ft)	25	25	· 
	$\frac{P(astic, steel)}{10} \frac{(cn/n)}{31} \frac{10}{17}$	1-2	Test Hole	Recommended pump rate	30	30	ایمد
			Dewatering Well	Wall preduction (frein (CEAA)	40	40	••••••
			Monitoring Hole		50	50	
			<ul> <li>(Construction)</li> <li>Abandoned,</li> </ul>	Disinfected?	60	60	
Co	Instruction Record - Screen		Abandoned, Poor	Map of W	ell Location		
Diameter (Cm/19) (Plastic, Ga	laterial alvanized, Steel) Slot No. Fro	Depth ( <i>m/ft))</i> m   To	Abandoned, other,		ng instructions	on the back	
2" P	VC .010 15	5 70					
			Other, <i>specity</i>				
Water found at Depth	Water Details	Hested Dept	h (m/t)				
7. (m(ft) Gas	Other, specify	From					
( <i>m/ft</i> ) Gas	Other, specify	ested					
Water found at Depth	Kind of Water: Fresh Unte	ested					
(iiiiii) Class	/ell Contractor and Well Techr	iician Informat	lon				
LONDON S	OIL TEST LTD.	We	Il Contractor's Licence No.	SEF ATTACH	ID MI	AP.	
712078 Sou	uthgate Sdrd. 71	Mu	nicipality	Comments:			
Dundalk, 519-455 5777 :	ON NOC 1B0	l Address				·	
Bus.Telephone No. (inc.	area code) Name of Well Technic	ian (Last Name.	First Name)	Well owner's Date Package Deliver	ed M Audit N	inistry Us lo. アク へ	
	LI WATTS	HILLS		delivered V V V M M Date Work Completed		~3U	0303
	s vo. Signature of rechnician/and/	a Contractor Dat	6 9 0 # p 5	INO 2019114	65 Receive	APR 2 3 ∞d	2019
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Ministry of the Environment and Climate Change



Address of Well Location (Street Number/Name)	Township	Lot	Concessio	n	
ELDOF BRHILETST	Southe	ATE. PTLO	[22] 2	'_SWTS	<u>jr</u>
Country istrict/Municipality	City/Iown/Village	- ik	Province Ontario	Postal Code	
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot	Number	Other 47 ATI	911	 57177
Overburden and Bedrock Materials/Abandonment Se	aling Record (see instructions on the	> back of this form)	12011	<u>100030.</u>	<u>500</u> 0
General Colour Most Common Material	Other Materials	General Description		Depth ( <i>n(#)</i> From   Ic	
Oart Brown Silt 5	Some Sound	Soft Topsoil Soil	type	0 3	
Brown Browel 5	silt & Sond	Compact Water 1	Otorng	3 20	2
5. */					
		<u> </u>			
					×
	······································				
				·····	
Depth Set at (m/fi) Type of Sealant Used	Volume Placed	After test of well yield, water was:	311 Yield Testing	Recovery	<u> </u>
From To (Material and Type)	(m³/ft³)	Clear and sand free	Time Water Lev (min) (m(ft)	el Time Water L (min) (m/fi	.evel
8 A ILYNDORCAN		If pumping discontinued, give reason:	Static -7 (		<u> </u>
U U MIDRATED B	ertenne		1	1	
		Pump intake set at (m/ft)	2	2	
		Pumping rate (//min / GPM)	3	3	
Method of Construction	Well Use		4	4	
Conventional)     Jetting     Domestic		Duration of pumping	5	5	
Rotary (Reverse)     Driving     Livestock     Digging     Irrigation	Test Hole     Monitoring     Cooling & Air Conditioning	Final water level end of pumping (m/ft)	10		<u> </u>
□ Air percussion □ Industrial □ Other, specify			15	15	
Construction Record - Casing	Status of Well	If flowing give rate (Vmin / GPM)	20		
Inside Open Hole OR Material Wall Dept Diameter (Galvanized, Fibreglass, Thickness	th (m/m) U Water Supply	Recommended pump depth (m/ft)	20	20	
(cm/m) From		Recommended pump rate	25	25	
<u> 100 3/16 10</u>	Recharge Well     Dewatering Well	(Vmin / GPM)	30	30	
	Observation and/or Monitoring Hole	Well production (I/min / GPM)	40	40	
	Alteration (Construction)	Disinfected?	50	50	·····
	Abandoned,		60	60	
Construction Record - Screen	Abandoned, Poor Water Quality	Map of Wo Please provide a map below followi	ell Location	the back.	
Diameter Material Deputy (cm(m) (Plastic, Galvanized, Steel) Slot No. From	To Abandoned, other,				
211 PUC DID 20	10				
	Other, specify				
Water Details	Hole Diameter				
Water found at Depth Kind of Water: Fresh Untestee	Depth ( <i>m/f</i> ) Diameter				
Water found at Depth Kind of Water: Fresh Untested	- QC 81				
( <i>m/ft</i> ) Gas Other, specify				•	
( <i>m/ft</i> ) Gas Other. specify					
Well Contractor and Well Technicia	an Information				
LONDON SOIL TEST LTD.	Well-Contractor's Licence No.	SEF APPAC	HEDM	AP.	
712078 Southgate Sdrd. 71	Municipality	Comments:		<u>/                                    </u>	
Dundalk, ON NOC 1B0	Idress				
519-455-5777 info@londonsoil.com		Well owner's Date Package Deliver	ed Min	stry Use Only	
Bus. Telephone No. (inc. area code) Name of Well Technician (	(Last Name, First Name)	package Y Y Y M M	D D Audit No.	z30598	88
Weil Technician's Licence No. Signature of Jechnician and/or C	ontractor Date Submitted	Yes Date Work Completed	x d	APR 2 3 201	9
LUE-11 Martal	5 120119104115	DNO THOMA	DD Received	म्बर्भ	
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Ontario Measurements recorded in:

Well Record Regulation 903 Ontario Water Resources Act Page of

Address of Well Location (Street Number/Name)	Township	Lot	Concessio	
COURAPISTICI/Municipality	City/Town/Village	PTLot	Province	Postal Code
UTM Coordinates Pone Easting	Municipal Plan and Suble	JAUK	Ontario	
NAD 8 3 1775 48 15 74 89	1359	a number	Uther	
Overburden and Bedrock Materials/Abandonment General Colour Most Common Material	t Sealing Record (see instructions on th Other Materials	e back of this form) General Description		Depth (mft)
Brown Silt	Some Sound	Suft Jarco		From To
Brann Silt	Groupi 4 Sand	Water bearing Fo	Samor t	5 28
		7		
			·	
·	·····			
Annular Space	2	Results of W	ell Yield Testing	
Depth Set at (m/tf) Type of Sealant Us From To (Material and Type)	sed Volume Placed ) (m³/ft³)	After test of well yield, water was:	Draw Down Time Water Lev	Recovery
20 8 SILICA SAM	0	Other, specify	(min) (mfr) Static -7 (	(min) (m/ft)
Y O HYDRATED	Bertante	n partiping ascontinued, give reason?	Level	
		Pump intake set at (m/ft)	2	2
		Pumping rate (//min / CPM)	3	3
Method of Construction     Cable Tool     Diamond     Public	Well Use		4	4
Rotary (Conventional)     Jetting     Domestic     Rotary (Reverse)     Diriving     Livestock	Municipal Devratering Test Hole	Duration of pumping hrs + min	5	5
Boring Digging Infigation	Cooling & Air Conditioning	Final water level end of pumping (m/ft)	10	10
Deter, specifyOCTKOther, speci	cify	If flowing give rate (Vmin / GPM)	15	15
Construction Record - Casing	Status of Well		20	20
Diameter (Galvanized, Fibreglass, Thickness (cm/m) Concrete, Plastic, Steel) (cm/n) From	π To To To Tort Helo	rivecommended pump depth (nut)	25	25
2" PVC 3/116" 2		Recommended pump rate (I/min / GPM)	30	30
	Observation and/or	Well production (Vmin / GPM)	40	40
	Monitoring Hole	Disinfected?	50	50
	Abandoned,	Yes No	60	60
Outside Material	Depth (7777)	Map of We Please provide a map below following	ell Location	the back
Diameter (cm/fig) (Plastic, Galvanized, Steel) Slot No. From	m To Abandoned, other,	,		
2" PVC 20	010			
Water Details	Hole Diameter			
(m(t)) Gas Other, specify	From to (cm/in)			
( <i>m/ft</i> ) Gas Other, specify	sted U all St			
Water found at Depth Kind of Water: Fresh Untes	sted			
Well Contractor and Well Techni	ician Information			
LONDON SOIL TEST LTD	Well Contractor's Licence No.	SEF ATTACK	ET M	AP.
712078 Southgate Sdrd. 71	L L L L L	Comments:		· 'I
Dundalk, ON NOC 1B0	Address			
519-455-5777 info@londonsoil.com		Well owner's Date Package Delivere	d Minis	stry Use Only
Bus. lelephone No. (inc. area code) Name of Well Technicia	an (Last-Name, First Name)	package Y Y Y M M		z305996
Well Technician's Licence No. Signature of Technician and/or	r Contractor Date Submitted	□ Yes □ Date Work Completed □ No □ □ (1.91 A) / A	ad A	APR 2 3 2019
$\frac{1}{0506E(2014/11)} \frac{1}{10000} \frac{1}{10000} \frac{1}{100000} \frac{1}{10000000000000000000000000000000000$			© Queen's	s Printer for Ontario, 2014
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Ministry of the Environment and Climate Change



Address of Well Location (Street Number/Name)	Township		Concessi	on	
End of BRADLey ST.		PTLOT	227 Z	L SW	TSK
Gney County	Dingack	(	Ontario		
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublo	t Number	Other 42071	1900	$\wedge < \wedge < 2 \alpha$
Overburden and Bedrock Materials/Abandonment Sealing F	 Record (see instructions on th	e back of this form)	10010	<u>, 100</u>	<u>0 2</u> 3201
General Colour Most Common Material	Other Materials	General Description		Dept From	h (m/tt) To
Oart Bonn Silt Some	<u>. 5000</u>	Laose Tupsoil an	sistace	0	<u> </u>
Brown /brey Grovel Sil	+ 4 Sond	Herched woter		ų	
Brown 3/14 Source	e Granol, Sond	Very Composit		$[\mathcal{O}]$	20
		pt			<u> </u>
					]
Annular Space	Volume Placed	Results of W	ell Yield Testing	l Re	acoveria
From To (Material and Type)	(m ³ /ft ³ )	Clear and sand free	Time Water Le	vel Time	Water Level
20 8 SILICA SAND	94	Uther, specify	Static 24	(min)	
8 0 HYDRATED Benton	VIA		Level (	1	<u> </u>
		Pump intake set at (m/ft)			
			2	2	
Method of Construction We	ll Use	Pumping rate (I/min / GPM)	3	3	<b></b>
Cable Tool     Diamond     Public     Conventional     Letting     Domestic     Mi	mmercial Dewatering	Duration of pumping	4	4	
Rotary (Reverse)     Driving     Livestock     Te:	st Hole	hrs + min	5	5	بند _{ي.}
Boring Digging Irrigation Co	oling & Air Conditioning	Final water level end ot/pumping (m/t)	10	10	
Conter, specify Other, specify		If flowing give rate (Umin / GPM)	15	15	
Inside Open Hole OR Material Wall Depth (m/2)	Status of Well	Recommended gump depth (m/ft)	20	20	
Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From To	Replacement Well		25	25	
2" PVC 3/10" 10 -t=		Recommended pump rate (I/min / GPM)	30	30	
	Devatering Well	Well production (Imin (GPM)	40	40	
	Monitoring Hole		50	50	
	(Construction)	Disinfected?	60	60	
Construction Record - Screen	Insufficient Supply	Map of W	ell Location		
Outside Material Diameter Unter Contential Slot No. Depth (m/t)	Water Quality	Please provide a map below follow	ng instructions of	n the back	
(cm/m) (Plastic, Gaivanized, Steel) From To	specify				
S. MAC 1010 00 10	Other, specify				
Water Details Water, found at Depth Kind of Water: Fresh Untested	Depth (m/ft) Diameter				
(m(t)) Gas □ Other, specify	om To (cm.(m)				
Water found at Depth Kind of Water: Fresh Untested					
Water found at Depth Kind of Water: Fresh Untested					
(m/ft)					
Well Contractor and Well Technician Info	mation Well Contractor's Licence No.	CFT ATTA ALL			
LONDON SOIL TEST LTD.	FUL 910	JEE ANIACHE	1) MHP	•	
/120/8 Southgate Sdrd. /1 Dundalk ON NOC 180	Municipălity	Comments:			
519-455-5777 info@londonsoil.com	1		Constant and a second		
Bus Telephone No. (inc. area code) Name of Well Technician (I ast N	ame, First Name)	Well owner's Date Package Deliver	ed Min Audit No	iistry Use	Conly
WHO M	K.Q	delivered Date Work Completer		~ <b>3</b> U	J201
Well Technician's Licence No. Signature of Technician and/or Contract	or Date Submitted	No 701904	65	APR 2 3	2019
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() Ontai	Ministry of the and Climate C	Environment hange	Well Tag No. (Place Sticker	ad#:A25812	5 Ilation S	903 Ontario Wa	lell Record	d .ct
Measurements re	corded in:  Metric	M/Imperial	H25 8125			Page	e of	
		ň						
Address of Well Lo	cation (Street Number/Na	ime)	Township		Lot	Concessio	nc	
15915	5 HWV	10	MELANET	ten	223		RE	
County/District/Mu	nicinality	- Dent	City/Town/Village			Province	Postal Codo	
s s s s s s s s s s s s s s s s s s s	a noipang "		Oldy, IOWIN Village		1		FUSIAI COUE	l.
DUFF	<u>Tizrin</u>					Ontario		-
	<u>TZRIN</u> Zone Easting	Northing	Municipal Plan and Suble	ot Number		Ontario Other		
UTM Coordinates NAD   8   3	TIZRIN Zone Easting 175483915	Northing	Municipal Plan and Suble	ot Number		Ontario Other		
UTM Coordinates NAD 8 3 Overburden and General Colour	TERIN Zone Easting 175483915 Bedrock Materials/Ab Most Common Ma	Northing 54892 andonment S	Municipal Plan and Suble Colored (see instructions on the Other Materials	ot Number e back of this form)		Ontario Other	Denth (m/ft)	
UTM Coordinates NAD   8   3 Overburden and General Colour	TERIN Zone Easting 175483915 I Bedrock Materials/Ab Most Common Ma	Northing 54892 andonment S terial	Municipal Plan and Suble Col 1 3 ealing Record (see instructions on the Other Materials	ot Number e back of this form) Genera	I Description	Ontario	Depth ( <i>m/ft</i> ) From To	
UTM Coordinates NAD 8 3 Overburden and General Colour	TERIN Zone Easting 175483915 I Bedrock Materials/Ab Most Common Ma	Northing SIGSI andonment Si terial	Municipal Plan and Suble Colored (see instructions on the Other Materials	ot Number e back of this form) Genera	I Description	Ontario	Depth (m/ft) From To	
UTM Coordinates NAD   8   3 Overburden and General Colour	$\frac{52R}{Zone}$ Zone Easting 175483915 <b>Bedrock Materials/Ab</b> Most Common Ma $\frac{76R561}{C4A1}$	Northing SIGSIS andonment Si terial	Municipal Plan and Suble Sol 13 Paling Record (see instructions on the Other Materials	ot Number e back of this form) Genera	I Description	Ontario	Depth ( <i>m/ft</i> ) From To	
DUFF UTM Coordinates NAD   8   3 Overburden and General Colour	TERIN Zone Easting 175483915 Bedrock Materials/Ab Most Common Ma TOPSOL Chin	Northing 54893 andonment S terial	Municipal Plan and Suble Sol 1 3 ealing Record (see instructions on the Other Materials STOURS CLAN GRAVIE	e back of this form) Genera	I Description	Other	$\frac{1}{1000}$	
UTM Coordinates NAD 8 3 Overburden and General Colour BRN BRN	TERIN Zone Easting 175483915 I Bedrock Materials/Ab Most Common Ma TOPSOL Chin STONE	Northing S 4 8 9 3 andonment S terial	Municipal Plan and Suble Constructions on the Other Materials CAN GRAVES CAN GRAVEL	ot Number e back of this form) Genera	I Description	Other	$\frac{1}{64+81}$	

<del></del>							:					
					+							
					···							
			Annular S	pace				Results of W	ell Yiel	d Testing		
Depth Se From	et at ( <i>m/ft)</i> │ To	Ту (М	pe of Seala Naterial and	ant Used Type)		Volume Placed (m ³ /ff ³ )		After test of well yield, water was:	Dr	aw Down	R	
<u>م</u>		Reile	-	Con		. 5 . 3		Other, specify	(min)	( <i>m/ft</i> )	(min)	( <i>m/ft</i> )
			VIIC					If pumping discontinued, give reason:	Static	8		9
····	:								1	9	1	Ş
		<u>.</u>			······			Pump intake set at (m/fi)	2	q	2	8
Moti		struction			MARINI			Pumping rate (I/min / GPM)	3	9	3	8
Cable To	ol	Diamond	Publi	c		ial 🔲 Not use	<u>.</u>	15 Gpm	4	ą	4	<u> </u>
Rotary (C	Conventional)	U Jetting	Dom	estic took	Municipal	Dewater	ing	Duration of pumping	5	<u> </u>	5	<u>e</u>
Boring	ussion			tion trial	Cooling 8	Air Conditioning	ng i	Final water level end of pumping (m/ft)	10	9	10	 Ş
Other, sp	pecify		Othe	r, specify				If flowing give rate (Vmin / GPM)	15	<u></u>	15	<u>6#***</u>
	Cor	struction Reco	ord - Casir	1g		Status of Wel			20	تنبير مشتع مشتع	20	
Diameter (cm/in)	(Galvanized Concrete, I	OR Material d, Fibreglass, T Plastic, Steel)	VVall hickness (cm/in)	Depth From	( <i>m/it)</i> To	Replacement We	ગ	Recommended pump depth (m/ft)	25		25	
1 sthe	C		100 .	17 -	o Li	Recharge Well		Recommended pump rate	30	ມ 	30	
i N				<u>rd</u>		Dewatering Well	lor	10-15 GPM	40		40	
	EP:5/	<u>n hokiz</u>			<u>104</u>	Monitoring Hole	/01	Well production (Vmin / GPM)	50	$\mathbb{N}$	50	<u>`</u> \
<u></u>						(Construction)		Disinfected?	60	V	60	
						Abandoned, Insufficient Supp	ly					
Outside	N/a	terial		en Depth	( <i>m/ft</i> )	Abandoned, Poc Water Quality	УГ	Please provide a map beipw follow	ng instr	ation uctions on th	ne back	•
Diameter (cm/in)	(Plastic, Gal	vanized, Steel)	Slot No.	From	То	Abandoned, other specify	er,	Å				
	-					Other, specify						
		Water Detail	S		H	ole Diameter			and the second second	**************************************	9(1)\$C.3(1 C.11)	
Water found	d at Depth	Kind of Water:	Fresh	Untested	Depth From	n ( <i>m/ft</i> ) Diame	ter		de en	a b an a cin		
Water found	n/ft)Gas	Other, specify	/ TEresh [	Untested	1 :0111	10 (0.1.4.)	·"		-		ŝţċċeno _{ntyl} .	
(п	n/ft) [] Gas	Other, specify							350	i harvand i mag l		
Water foun	d at Depth	Kind of Water:	_Fresh	Untested					1000 Call Call	•		
(17	n/ft) []Gas	Other, specify	Y						<del>م</del> اري. م	9009 YOU		
Business N	lame of Well	Contractor	anu vy811 [	eginnigiai	wel	I Contractor's Licence	No.					
NCS Business A	MANN	ALZAL)	DRILLI	NG Å	-75					·····	·····	
<u>453c</u>	$\frac{222}{2}$	BRIEY R	<u>cla l</u>	<u> Sov 76</u>		<u>NINBALK</u>		API ST WA	1.1	Ner A		
		ostal Code* ໂດໄ/ໄຟໃທ	Business {	≞-mail Add	Iress	-		Well owner's Date Package Deliver		<i>r / j +</i> Minici		Only
Bus.Telepho	one No. (inc.	area code) Name	<u>ິ</u> ∋ of Well Te	chnician (l	_ast Name, I	First Name)		information package verver	~   ~	Audit No. Z	<u>.</u> 20	RAR
519	9233	6203	Coilab	NES		<u>on (</u>		delivered Jate Work Completed			n	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	cian's Licence	No. Signature of	Technician	and/of Co	ntractor Dat	e Submitted	1 ~	$\square NO \qquad \square OI = OI$	معمد ال	AUG	UIŻ	UIA





# Map: Well records

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

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

Go Back to Map

### Well ID

Well ID Number: 7367321Well Audit Number: *C47994*Well Tag Number: *A295208This table contains information from the original well record and any subsequent updates.* 

### **Well Location**

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547875.00 Northing: 4890860.00
Municipal Plan and Sublot Number	
Other	

### **Overburden and Bedrock Materials Interval**

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

## Annular Space/Abandonment Sealing Record

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

### Method of Construction & Well Use

Method of Construction	Well Use

#### Status of Well

## **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	Depth To

### **Construction Record - Screen**

Outside Diameter	Material	Depth From	Depth To

### Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7215

## **Results of Well Yield Testing**

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

#### Water Details

Water Found at	t Depth	Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter

#### Audit Number: C47994

Date Well Completed: May 29, 2020

Date Well Record Received by MOE: September 10, 2020

#### Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environmentmap#wells) Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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

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Fields marked with an asterisk (*) are mandatory.

								Well Tag	Number *	
								No Tag	on Well	
Туре *										
Constructio	n	🖌 A	bandonn	nent						
Measurement	record	ded in	*							
Metric		🗌 Ir	nperial							
1. Well Own	er's I	nfor	nation							
Last Name and	First I	Name,	or Orga	nization i	s mandatory. *					
Last Name			-		-	First N	Name			
Organization						Email	Address			
Southgate Me	eadow	's Inc.								
Current Addre	ess			I.						
Unit Number	S	Street I	Number '	* Stre	et Name *			City/Town/Villag	e	
Country					Province			Postal Code	Telephone Number	
					Ontario					
2. Well Loca	ation									
Address of We	ell Loc	ation								
Unit Number	Stree	et Num	nber *	Street N	ame *		Township			
	231			Glenelg	Street			Proton		
Lot 224				Concess Range	sion 2		County/Dist	rict/Municipality		
				i tange	<b>_</b>		Brovinco		Postal Cada	
Dundalk							Ontario		NOC 1B0	
UTM Coordinat	tes Zo	one *	Easting	*	Northing *		- •	Municipal Plan a	and Sublot Number	
NAD 83	1	17	547333	3	4891206	Test	t UTM in Map			
Other	I	1				l'		-		
3. Abandonm	nent a	ind Se	ealing							
Well Depth		4	.6		(m)					
Provide informa	ation o	fwell	(e.q. con	struction	date, original cor	ntractor).	Do not enter p	orivate informatio	n	

Original	Owner
----------	-------

General Description	Depth From (m)	Depth To (m)

4. Annular Sp	ace								
Depth From	Depth To	Ту	/pe of Sealant Used (	Material and Type)	Volume Placed				
(m)	(m)		(cubic metres)						
0	4.6		Bentonite 0.01						
		1							
5. Method of Construction									
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond									
Jetting	Jetting     Driving     Digging     Rotary (Air)     Augering     Direct     Push								
Other (specify)									
6. Well Use									
Public     Industrial     Cooling & Air Conditioning									
Domestic Commercial Not Used									
Livestock	🗌 Mur	nicipal	Monitoring						
Irrigation	Tes	t Hole	Dewatering						
Other (speci	ify)								
7. Status of W	Vell								
Water Suppl	ly [	Replaceme	ent Well	Test Hole					
🗌 Recharge W	/ell	Dewatering	y Well	Observation and/or Moni	toring Hole				
Alteration (C	Construction)	Abandoned	d, Insufficient Supply	Abandoned, Poor Water	Quality				
🖌 Abandoned,	other (specify)	customer re	equest						
Other (speci	ify)								
8. Construction	<b>8. Construction Record - Casing</b> (use negative number(s) to indicate depth above ground surface)								

Inside Diameter	Open Hole <b>or</b> Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From	Depth To
(cm)			(m)	(m)
5	Plastic		0	1.5

#### 9. Construction Record - Screen Outside Material Slot (Plastic, Galvanized, Steel) Depth From Depth To Diameter Number (cm) (m) (m) 1.5 6.3 4.6 Plastic

10. Water Det	ails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🗌 l	Jntested	0 [.]	ther			
11. Hole Diam	neter													
De	epth Fror	n			Depth	То					Diamete	r		
	(m)				(m)						(cm)			
	0													
12. Results of	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing					(L/	min)								
Draw down								_				1		
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery								•				•		
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	el													
After test of wel	l yield, w	ater wa	s		II		1 1		I		I			
Clear and sa	and free	Oth	ner (spec	cify)										
Pump intake se	t at Pun	nping ra	ite	Duratio	n of pump	ng		Final w	ater leve	l end of	pumping	,  D	isinfected	?
	(m)		(L/min)		hrs +		min				(m)		Yes 🗸	🖌 No
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/mir	)			(L/min)					
13. Map of Wo	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ap area b	below to i	mport an	image file t	o use a	as the ma	p	Mak	ke map a	area bigg	ger		



14. Information		
Well owner's information package delivered Yes  No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2021/03/17
Comments MW1 on map		

15. Well Con	tractor and We	ell Teo	chnician	Information					
Business Nam SL Sonic Soil	Business Name of Well Contractor * SL Sonic Soil Limited						Well Contractor's License Number * 7732		
Business Add	Iress					I			
Unit Number Street Number Street Name * 441 Carlingview Drive									
City/Town/Villa Etobicoke		Prov Ont	/ince <mark>ario</mark>		Postal Code * M9W 5G8				
Business Telephone Number 905-660-0501Business Email Address sonic@sonicsoil.com									
Last Name of Well Technician * Osborne				First Name of Well Technician * Tim			Well Technician's License Number * 4078		
16. Declarati	on *								
✓ I hereby co and accura	nfirm that I am th te.	e pers	son who co	nstructed the well and I here	eby c	onfirm that	the informatio	on on the form is correct	
Last Name Archibald			First Na Alan	ame En			Email Address sonic@sonicsoil.com		
Signature						Date Submitted (yyyy/mm/dd)			
Alan Archibald			an Archibaid nic Soil Limited, CN=Alan Archibald, E=sonic@sonicsoil.com hor of this document 42:01 ersion: 9.4.1	Archibald, CN=Alan Archibald, E=sonic@sonicsoil.com     2021/04/14       of this document     2021/04/14		04/14			
17. Ministry	Use Only								
Audit Number									
UKPZ BS7B									



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Fields marked with an asterisk (*) are mandatory.

							Well Tag N	Number *		
							No Tag o	n Well		
Туре *										
	n 🗸	Abandoni	ment							
Measurement	recorded	in: *								
Metric		Imperial								
1. Well Own	er's Info	ormation								
Last Name and	l First Nan	ne, or Orga	nization i	is mandatory. *						
Last Name					First N	lame				
Organization Southgate Meadows Inc.						Address				
Current Addre	ss									
Unit Number Street Number * Street Name *							City/Town/Village			
Country Canada				Province Ontario			Postal Code	Telephone Number		
2. Well Loca	ation									
Address of We	ell Locatio	on								
Unit Number	Street N 231	umber *	Street N Glenelg	lame * g Street		Township Proton				
Lot 227			Concess Range	sion 2		County/Dist Grey Cour	trict/Municipality			
City/Town Dundalk						Province Ontario		Postal Code NOC 1B0		
UTM Coordinat	tes Zone	* Easting	*	Northing *			Municipal Plan ar	nd Sublot Number		
NAD 83	17	54774	6	4891026	Test	UTM in Map				
Other							-			
3. Abandonm	nent and	Sealing								
Well Depth		4.9		(m)						
Provide informa	ation of we	ell (e.g. cor	struction	date, original cor	ntractor). I	Do not enter i	private information			

Original	Owner
----------	-------

General Description	Depth From (m)	Depth To (m)

4. Annular Sp	ace								
Depth From	Depth To	Ту	/pe of Sealant Used(	Material and Type)	Volume Placed				
(m)	(m)		(cubic metres)						
0	4.9		Bentonite 0.01						
5. Method of Construction									
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond									
Jetting     Driving     Digging     Rotary (Air)     Augering     Direct     Push									
Other (specify)									
6. Well Use									
Public     Industrial     Cooling & Air Conditioning									
Domestic Commercial Not Used									
Livestock	🗌 Mur	nicipal	Monitoring						
Irrigation	🗌 Tes	t Hole	Dewatering						
Other (speci	ify)								
7. Status of W	Vell								
Water Suppl	ly [	Replaceme	ent Well	Test Hole					
🗌 Recharge W	/ell [	Dewatering	y Well	Observation and/or Moni	toring Hole				
Alteration (C	Construction)	Abandoned	d, Insufficient Supply	Abandoned, Poor Water	Quality				
✓ Abandoned,	other (specify)	customer re	quest						
Other (speci	Other (specify)								
8. Construction Record - Casing (use negative number(s) to indicate depth above ground surface)									

Inside Diameter	Open Hole <b>or</b> Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From	Depth To
(cm)			(m)	(m)
5	Plastic		0	1.8

#### 9. Construction Record - Screen Outside Material Slot (Plastic, Galvanized, Steel) Depth From Depth To Diameter Number (cm) (m) (m) 6.3 1.8 4.9 Plastic

10. Water Det	ails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🗌 l	Jntested	0 [.]	ther			
11. Hole Diam	neter													
De	epth Fror	n			Depth	То					Diamete	r		
	(m)				(m)						(cm)			
	0													
12. Results of	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing					(L/	min)								
Draw down								_				1		
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery								•				•		
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	el													
After test of wel	l yield, w	ater wa	s		II		1 1		I		I			
Clear and sa	and free	Oth	ner (spec	cify)										
Pump intake se	t at Pun	nping ra	ite	Duratio	n of pump	ng		Final w	ater leve	l end of	pumping	,  D	isinfected	?
	(m)		(L/min)		hrs +		min				(m)		Yes 🗸	🖌 No
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/mir	)			(L/min)					
13. Map of Wo	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ap area b	below to i	mport an	image file t	o use a	as the ma	p	Mak	ke map a	area bigg	ger		



14. Information		
Well owner's information package delivered Yes  No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2021/03/17
Comments MW2 on map		

15. Well Con	tractor and We	ell Teo	chnician l	Information					
Business Nam SL Sonic Soil	e of Well Contrac Limited	ctor *				Well Contractor's License Number * 7732			
Business Add	Iress					1			
Unit Number Street Number Street Name * 441 Carlingview Drive									
City/Town/Village * Etobicoke					Prov Ont	vince <mark>ario</mark>		Postal Code * M9W 5G8	
Business Telephone Number 905-660-0501Business Email Address sonic@sonicsoil.com				Address oil.com					
Last Name of Well Technician * First Name of Well Tech Osborne Tim				First Name of Well Technic Tim	nnician * Well Te 4078		Well Technici 4078	nician's License Number *	
16. Declarati	on *								
✓ I hereby co and accura	nfirm that I am th te.	e pers	son who co	nstructed the well and I here	eby c	confirm that	t the informatio	on on the form is correct	
Last Name Archibald			First Na <mark>Alan</mark>	ame		Email Add	tress onicsoil.com		
Signature						Date Subi	mitted (yyyy/m	ım/dd)	
Alan	Archiba	ald	Digitally signed by Ala DN: C=CA, O=SL Son Reason: I am the auth Location: P Date: 2021-04-14 14:4 Foxit PhantomPDF Ve	an Archibaid nic Soil Limited, CN=Alan Archibald, E=sonic@sonicsoil.com hor of this document 41:00 ersion: 9.4.1			2021/	04/14	
17. Ministry	Use Only								
Audit Number									
MES5 NKBM									



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Fields marked with an asterisk (*) are mandatory.

								Well Tag	Number *
								No Tag c	on Well
Туре *									
	n	🖌 A	bandonn	nent					
Measurement	reco	orded in	): <b>*</b>						
Metric		🗌 Ir	mperial						
1. Well Own	er's	Infor	mation						
Last Name and	l Firs	t Name	, or Orga	nization i	s mandatory. *				
Last Name			-		-	First	Name		
Organization	ado	ws Inc				Emai	Address		
Current Addre									
Unit Number	.33	Street	Number '	* Stre	et Name *			City/Town/Village	2
onit Nambol		01001	i turniser	1000				only rown mage	
Country					Province			Postal Code	Telephone Number
Canada					Ontario				
2. Well Loca	atior	n							
Address of We	ell Lo	ocation							
Unit Number	Stre	eet Num	nber *	Street N	ame *			Township	
	231	1		Glenelg	l Street			Proton	
Lot 228				Concess Range	sion 2		County/Dist Grey Coun	rict/Municipality I <mark>ty</mark>	
City/Town Dundalk							Province Ontario		Postal Code N0C 1B0
UTM Coordinat	tes [	Zone *	Easting	*	Northing *			Municipal Plan a	nd Sublot Number
NAD 83		17	548027	7	4890884	Tes	t UTM in Map		
Other	1								
3. Abandonm	nent	and Se	ealing						
Well Depth		5	5.2		(m)				
Provide informa	ation	of well	(e.q. con	struction	date, original cor	ntractor).	Do not enter r	private information	1

Original	Owner
----------	-------

General Description	Depth From (m)	Depth To (m)

4. Annular Sp	ace											
Depth From	Depth To	Type of Sealant Used (	Type of Sealant Used (Material and Type) Volume Placed									
(m)	(m)		(cubic metres)									
0 5.2 Bentonite 0.0104												
5. Method of	Construction											
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond												
Jetting	Jetting     Driving     Digging     Rotary (Air)     Augering     Direct     Push											
Other (specify)												
6. Well Use												
Public	Public Industrial Cooling & Air Conditioning											
Domestic	Cor	nmercial 📃 Not Used										
Livestock	🗌 Mur	nicipal 🗌 Monitoring										
Irrigation	🗌 Tes	t Hole Dewatering										
Other (speci	ify)											
7. Status of W	Vell											
Water Suppl	ly [	Replacement Well	Test Hole									
🗌 Recharge W	/ell	Dewatering Well	Observation and/or Moni	toring Hole								
Alteration (C	Construction)	Abandoned, Insufficient Supply	Abandoned, Poor Water	Quality								
🖌 Abandoned,	other (specify)	customer request										
Other (speci	ify)											
8. Construction	on Record - C	asing (use negative number(s)	to indicate depth above ground	d surface)								
		<u> </u>										

Inside Diameter	Open Hole <b>or</b> Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From	Depth To
(cm)			(m)	(m)
5	Plastic		0	2.1

#### 9. Construction Record - Screen Outside Material Slot (Plastic, Galvanized, Steel) Depth From Depth To Diameter Number (cm) (m) (m) 6.3 2.1 5.2 Plastic

10. Water Det	ails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🗌 l	Jntested	0 [.]	ther			
11. Hole Diam	neter													
Depth From Depth To Diameter														
	(m)				(m)						(cm)			
	0													
			I					-1						
12. Results of	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing					(L/	min)								
Draw down								_				1		
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery								•				•		
Time (mir	ı)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	el													
After test of wel	l yield, w	ater wa	s		II		1 1		I		I			
Clear and sa	and free	Oth	ner (spec	cify)										
Pump intake set at         Pumping rate         Duration of pumping         Final water level end of pumping         Disinfected?							?							
	(m) (L/min) hrs + min (m) Yes 🗸 No							🖌 No						
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/mir	)			(L/min)					
13. Map of Wo	ell Loca	tion *												
Map 1. Please Cl	ick the ma	ap area b	below to i	mport an	image file t	o use a	as the ma	p	Mak	ke map a	area bigg	ger		



14. Information		
Well owner's information package delivered Yes  No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2021/03/17
Comments MW3 on map		

15. Well Con	tractor and We	ell Te	chnician	Information					
Business Nam SL Sonic Soi	e of Well Contrac Limited	ctor *					Well Contractor's License Number * 7732		
Business Add	Iress								
Unit Number Street Number Street Name * Carlingview Drive				e * w Drive					
City/Town/Village * Etobicoke					F	^o rov Ont	vince ario		Postal Code * M9W 5G8
Business Telephone Number 905-660-0501Business Email Addr sonic@sonicsoil.co				Address oil.com	·				
Last Name of Well Technician * First Name of Well Technician Tim				l Technicia	hnician * Well Technician's L 4078		ian's License Number *		
16. Declarati	on *								
✓ I hereby co and accura	nfirm that I am th te.	e pers	son who co	onstructed the well a	and I hereb	ру с	onfirm that	t the information	on on the form is correct
Last Name Archibald			First Na Alan	ame			Email Add sonic@s	dress onicsoil.com	
Signature							Date Sub	mitted (yyyy/m	nm/dd)
Alan	Archiba	ald	Digitally signed by A DN: C=CA, O=SL Sc Reason: I am the au Location: Date: 2021-04-14 14 Foxit PhantomPDF \	an Archibaid nic Soil Limited, CN=Alan Archibald, E=sonic@soni thor of this document :41:28 /ersion: 9.4.1	icsoil.com			2021/	/04/14
17. Ministry	Use Only								
Audit Number									
L36G H336									



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Fields marked with an asterisk (*) are mandatory.

							Well Tag I	Number *
							No Tag o	n Well
Туре *								
	n 🗸	Abandoni	nent					
Measurement	recorded	in: *						
Metric		Imperial						
1. Well Own	er's Info	rmation						
Last Name and	First Nan	ne, or Orga	anization	is mandatory. *				
Last Name		-		-	First N	ame		
Organization	adows Ir	IC.			Email	Address		
Current Addre								
Unit Number	Stree	et Number	* Stre	et Name *			City/Town/Village	
	10100		1010					
Country				Province			Postal Code	Telephone Number
Canada				Ontario				
2. Well Loca	ation							
Address of We	ell Locatio	on						
Unit Number	Street No	umber *	Street N	ame * street			Township	
Lot	20.		Conces	sion		County/Dist	trict/Municipality	
225			Range	2		Grey Cour	nty	
City/Town Dundalk						Province Ontario		Postal Code NOC 1B0
UTM Coordinat	tes Zone	* Easting	*	Northing *			Municipal Plan a	nd Sublot Number
NAD 83	17	54796	5	4890795	Test	UTM in Map		
Other							-	
3. Abandonm	nent and	Sealing						
Well Depth		5.2		(m)				
Provide informa	ation of we	ell (e.g. cor	struction	date, original cor	ntractor). <b>E</b>	Do not enter	private information	

Original O	wner
------------	------

General Description	Depth From (m)	Depth To (m)
	0	5.2

4. Annular Space									
Depth From	Depth To	Type of Sealant Used (	Volume Placed						
(m)	(m)		(cubic metres)						
0	5.2	Bentor	0.0104						
5. Method of Construction									
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond									
Jetting	Jetting     Driving     Digging     Rotary (Air)     Augering     Direct     Push								
Other (specify)									
6. Well Use									
Public	🗌 Indu	ıstrial 🛛 🗌 Cooling & Air (	Conditioning						
Domestic	Domestic Commercial Not Used								
Livestock Municipal Monitoring									
Irrigation	Tes	t Hole Dewatering							
Other (specify)									
7. Status of W	Vell								
Water Supply Replacement Well Test Hole									
Recharge Well     Dewatering Well     Observation and/or Monitoring Hole									
Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality									
Abandoned, other (specify) customer request									
Other (specify)									
<b>8. Construction Record - Casing</b> (use negative number(s) to indicate depth above ground surface)									

Inside Diameter	Open Hole <b>or</b> Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From	Depth To
(cm)			(m)	(m)
5	Plastic		0	5.2

#### 9. Construction Record - Screen Outside Material Slot (Plastic, Galvanized, Steel) Depth From Depth To Diameter Number (cm) (m) (m) 6.3 5.2 0 Plastic

10. Water Det	ails														
Water found at Depth (m)		(m)	) Gas Kind of water Sresh				h 🗌 l	Jntested	0 [.]	ther					
11. Hole Diam	neter														
Depth From			Depth To				Diameter								
(m)				(m)				(cm)							
	0														
			I					1							
12. Results of	f Well Y	ield Te	esting												
Pumping Dis	scontinue	ed													
Explain															
If flowing give ra	ate														
Flowing					(L/	min)									
Draw down			-									i		1	
Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60	
Water Level (m)															
Recovery								•				•			
Time (min) 1		1	2	3	4	5	10	15	20	25	30	40	50	60	
Water Level (m)															
After test of wel	l yield, w	ater wa	s		II		1 1		I		I			1	
Clear and sa	and free	Oth	ner (spec	cify)											
Pump intake set at Pumping rat		ite	Duration of pumping				Final water level end of pumping Disinfected?					?			
(m)		(L/min)	hrs +			min	(m) 🗌 Yes 🗸 N					🖊 No			
Recommended pump depth		Recom	mended	pump rate	ell produc	luction									
(m)			(L/min)					(L/min)							
13. Map of We	ell Loca	tion *													
Map 1. Please Cl	ick the ma	ap area b	below to i	mport an	image file t	o use a	as the ma	p	Mak	ke map a	area bigg	jer –			


14. Information		
Well owner's information package delivered Yes  No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2021/03/17
Comments MW4 on map		

15. Well Con	tractor and We	ell Teo	chnician l	Information				
Business Name of Well Contractor * SL Sonic Soil Limited						Well Contractor's License Number * 7732		
Business Add	Iress					I		
Unit Number Street Number Street Name * Carlingview Drive			e * w Drive					
City/Town/Villa Etobicoke	ge *				Prov Ont	vince <mark>ario</mark>		Postal Code * M9W 5G8
Business Telephone Number Business Email Address   905-660-0501 sonic@sonicsoil.com								
Last Name of \ Osborne	Well Technician *			First Name of Well Technic Tim	Il Technician * Well Technician's License 4078		ian's License Number *	
16. Declarati	on *							
✓ I hereby co and accura	nfirm that I am th te.	e pers	son who co	nstructed the well and I here	eby c	confirm that	t the informatio	on on the form is correct
Last Name First Na Archibald Alan			First Na <mark>Alan</mark>	ame Email Address sonic@sonicsoil.com				
Signature					Date Submitted (yyyy/mm/dd)			
Alan Archibald			an Archioladi Ini Soli Limited, CN=Alan Archibald, E=sonic@sonicsoil.com hor of this document 41:44 ersion: 9.4.1	soil.com 2021/04/14		04/14		
17. Ministry	Use Only							
Audit Number								
6CW4 L4DH								



# Map: Well records

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

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

Go Back to Map

## Well ID

Well ID Number: 7389879Well Audit Number: *C49299*Well Tag Number: *A294344This table contains information from the original well record and any subsequent updates.* 

#### **Well Location**

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547332.00 Northing: 4891207.00
Municipal Plan and Sublot Number	
Other	

## **Overburden and Bedrock Materials Interval**

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

# Annular Space/Abandonment Sealing Record

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

#### Method of Construction & Well Use

Method of Construction	Well Use

#### Status of Well

## **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From	Depth To

#### **Construction Record - Screen**

Outside Diameter	Material	Depth From	Depth To

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6988

# **Results of Well Yield Testing**

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

#### Water Details

Water Found at	t Depth	Kind

#### **Hole Diameter**

Depth From	Depth To	Diameter

Audit Number: C49299

Date Well Completed: February 24, 2021

Date Well Record Received by MOE: June 21, 2021

#### Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environmentmap#wells) Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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