

May 1, 2023



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Hydrogeological Investigation – 12148 Albion Vaughan Road, Town of Caledon, Ontario

Palmer Project # 1604602

Prepared For 12148 Albion Vaughn Inc.

April 21, 2023



April 21, 2023

12148 Albion Vaughan Inc. Mike Liburdi 27 Fenton Way Brampton, ON L6P 0P4

Dear Mike:

Re:	Hydrogeological Investigation – 12148 Albion Vaughan Road, Town of Caledon,
	Ontario
Project #:	1604602

Palmer is pleased to submit the following report describing the results of our Hydrogeological Investigation for the property at 12148 Albion Vaughan Road, Town of Caledon, Ontario.

It is understood that the proposed development will consist of two mix-use condominium towers with 2levels of underground parking. Tower A will be 6-storeys, and Tower B will be 7-storeys. This report summarizes the results of the hydrogeological assessment, including a characterization of site geology, hydrostratigraphy, and groundwater conditions (i.e., groundwater levels, hydraulic gradient, and hydraulic conductivity). We have completed an effects assessment based on the site conditions and provided a series of hydrogeological development recommendations and considerations.

Please let us know if you have question or comments on this submission. Thank you for the opportunity to work with your team on this project.

Yours truly, Palmer

! Cile

Jason Cole, M.Sc., P. Geo. VP, Principal Hydrogeologist

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1. Introduction

Palmer was retained by 12148 Albion Vaughan Inc. to complete a Hydrogeological Assessment for a proposed mix-use condo development at 12148 Albion-Vaughan Road, Town of Caledon, Ontario. Currently, the site is occupied by an abandoned residential building, a small storage building, driveway, and open space. The proposed development will consist of two condominium towers at 6 and 7-storeys respectively (Towers A and B), with 2-levels of underground parking. The site plan for the development is presented in **Appendix A**, provided by Fausto Cortese Architects (FCA). The site is located approximately 370 m northwest of the intersection between Albion Vaughan Road and Highway 50 (**Figure 1**).

This report provides site information, including a characterization of site geology and hydrostratigraphy, groundwater conditions (i.e. groundwater levels and hydraulic conductivity), nearby water wells and Source Water Protection. Palmer has also completed an effects assessment based on the site conditions and provided a series of hydrogeological development considerations.

For construction dewatering in excess of 50,000 L/day a registration under the MECP Environmental and Sector Registry (EASR) is required. If dewatering exceeds 400,000 L/day a Permit to Take Water (PTTW) is required.

1.1 Scope of Work

Palmer's Hydrogeological Investigation was completed and includes the following main tasks:

- Obtain and review applicable background information including surficial geology maps, Ministry of the Environment, Conservation and Parks (MECP) water well records, and other appliable hydrogeology reports;
- Review site background data and borehole logs from Davroc Testing Laboratories (Davroc) Geotechnical Investigation in 2020;
- Characterize the hydrogeology of the site based on secondary source data and the results of Palmer's 2020 drilling program;
- Drill three (3) boreholes and install three (3) groundwater monitoring wells;
- Collect two (2) rounds of groundwater level measurements;
- Complete single well response testing (i.e., slug tests) to determine the hydraulic conductivity of the geological material;
- Conduct two (2) grainsize analysis to provide a hydraulic conductivity estimate;
- Complete a Section 59 Source Water Protection Screening with York Region to confirm Source Protection requirements;
- Assessment groundwater/ surface water interactions for the on-site drainage feature;
- Assess potential impacts from site development and provide a series of hydrogeological development considerations; and
- Produce a Preliminary Hydrogeological Assessment Report to support a submission to the Town and Conservation Authority as part of site development applications.





2. Regional Conditions

2.1 Surficial Geology and Physiography

A review of available online surficial geology mapping by the Ontario Geological Survey (OGS) was used to identify the overburden materials of the site (**Figure 2**). Underlying the site is the Halton Till deposit which consists of clay to silt textured till, which is derived from glaciolacustrine deposits or shale. Fine textured glaciolacustrine deposits, consisting of silt and clay, minor sand and gravel, can be found to the east of the site.

The site is situated within the Peel Plain physiographic region as seen in **Figure 3** (Chapman and Putnam, 1984). The general elevation for this region ranges from 150 to 230 meters above sea level (masl) and there is a gradual and fairly uniform slope toward Lake Ontario. The underlying geological material of the Peel Plain consists of dense, limestone and shale imbued till that is often covered by a shallow layer of clay sediment.

2.2 Bedrock Geology

The bedrock underlying the study area consists of the Georgian Bay Formation (**Figure 4**) (Armstrong and Dodge, 2007). This formation consists of shale and limestone. According to nearby water well records, bedrock is found at approximately 38 metres below ground surface (mbgs).

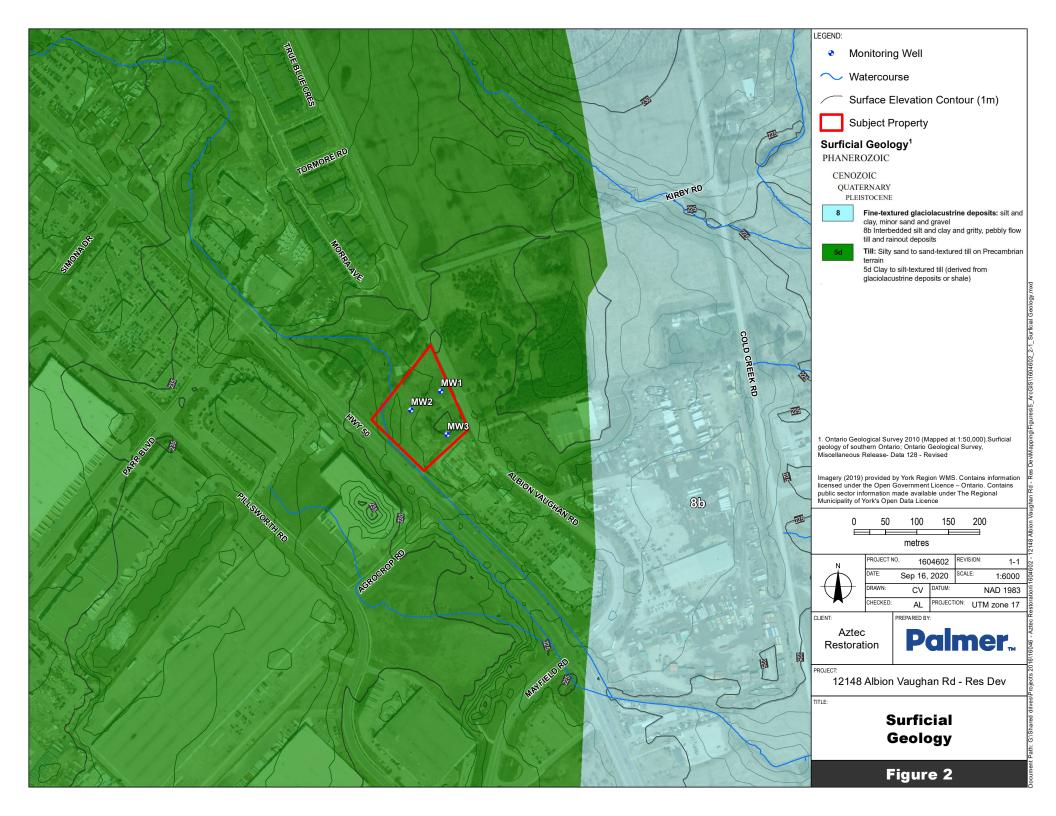
2.3 Drainage and Natural Features

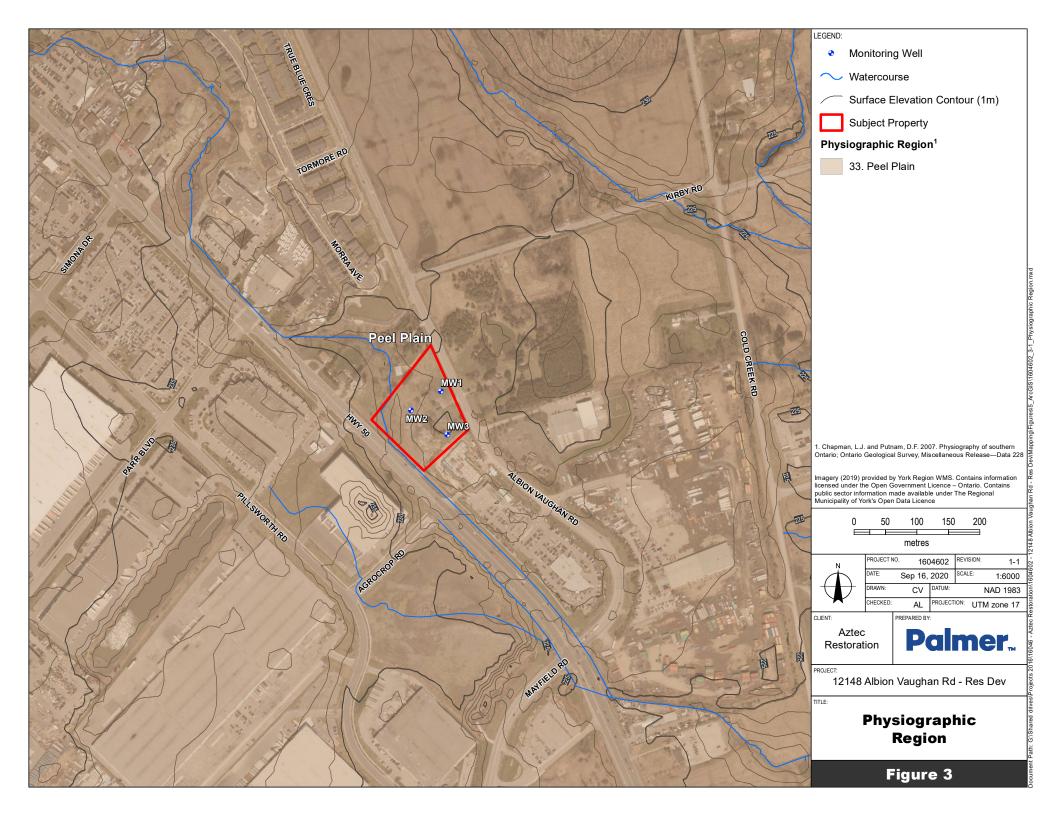
The site is situated in the Humber River Subwatershed, which encompasses 911 km² and is the largest in the Toronto and Region Conservation Authority's (TRCA) jurisdiction. Water from the Niagara Escarpment and the Oak Ridges Moraine flows down the Humber River into Lake Ontario. The main branch of the river flows 126 km. The site is found near the multiple tributaries where water eventually flows back to the Humber River.

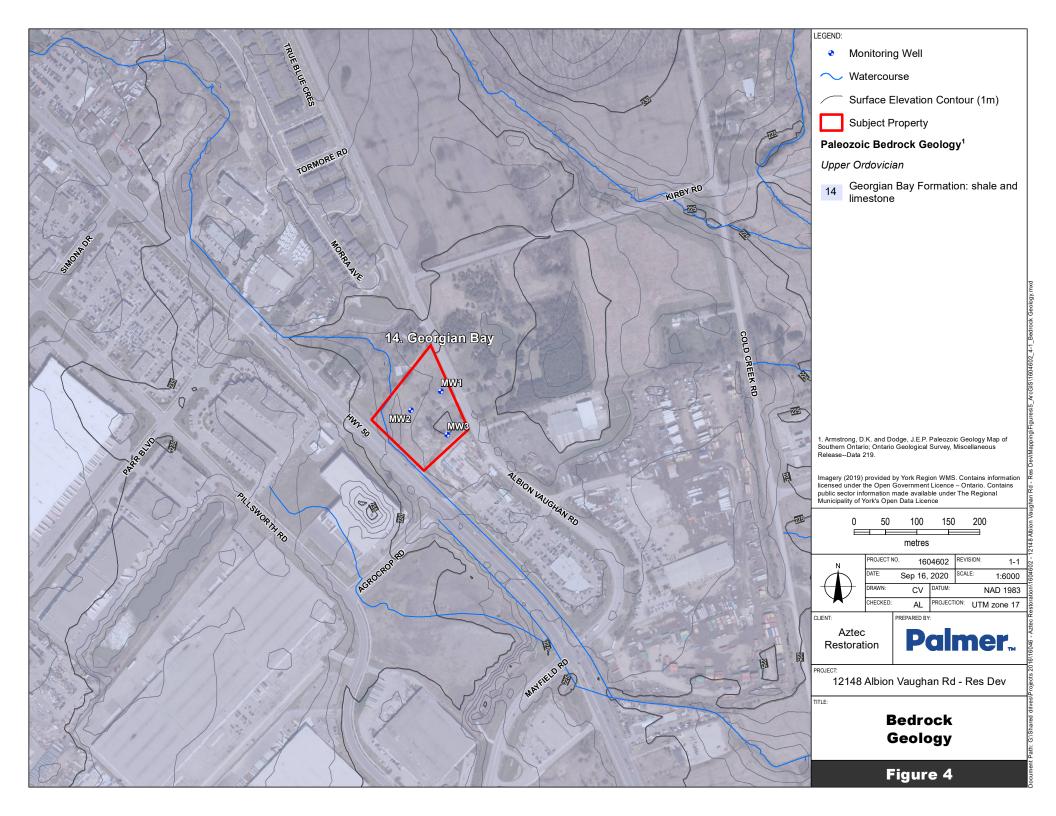
A small tributary intersects the west corner of the property (**Figure 1**). This channel has been historically realigned and appears to be perched on the till deposits.

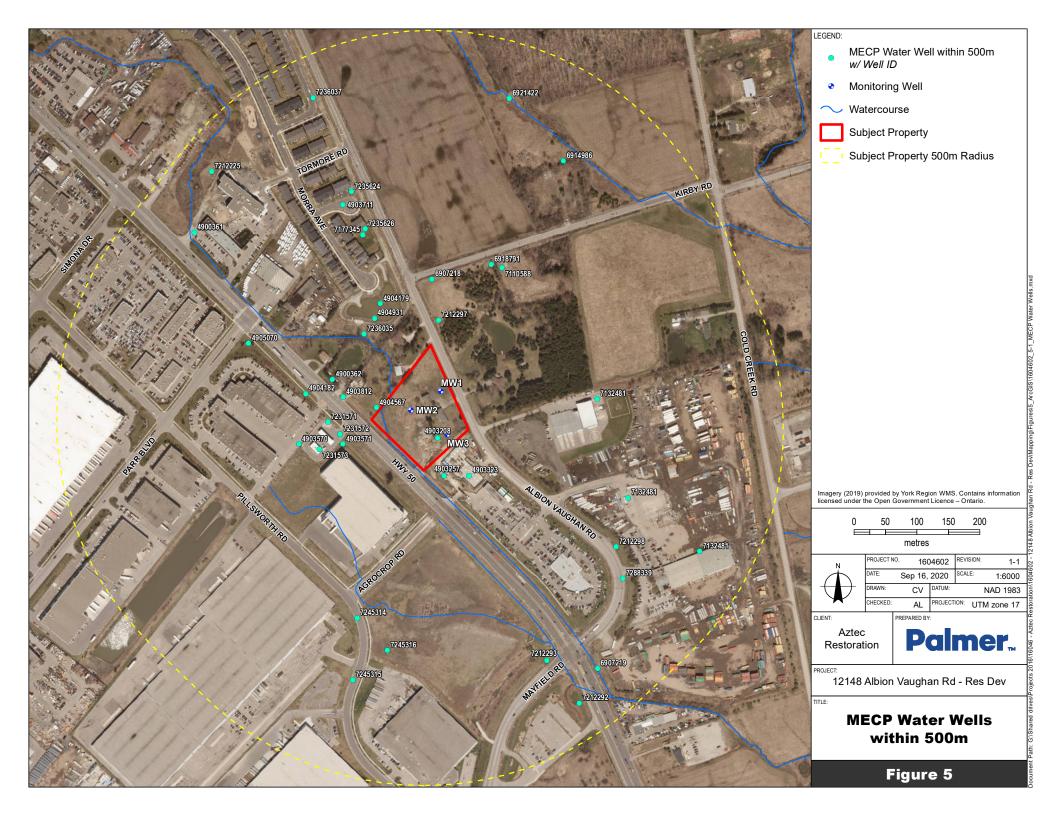
2.4 MECP Water Wells

Based on a review of the MECP water well record database, 42 water wells are situated within a 500 m radius of the project boundary (**Figure 5**). Of the water wells, 16 are for domestic use, 1 is for livestock and domestic, 1 is for industrial and domestic, 10 are for monitoring, 3 are for monitoring or test holes, 5 are not used, 1 is for other, and 5 are unknown. The depth of wells ranged from 4.6 to 62.8 mbgs, with an average depth of 31.3 mbgs. The static water level depth ranged from 2.4 to 33.0 mbgs, with an average of 23.4 mbgs. The well yield ranged from 3.8 to 37.9 L/min, with an average yield of 19.5 L/min. Additional details on each water well can be seen below in **Table 1**.









Well ID	Date	Depth	Static Water Level	Well Yield	Well Use
	Completed	(mbgs)	(mbgs)	(L/min)	Well 036
4900361	1953-11-25	13.7	-	-	-
4900362 1954-08-07		47.9	32.3	15.16	Domestic
4903208	1969-03-28	54.9	-	-	-
4903257	1969-06-13	61.0	24.4	15.16	Domestic
4903323	1969-09-03	51.8	14.3	22.74	Domestic
4903570	1970-09-29	54.3	-	-	Not Used
4903571	1970-10-06	47.5	29.0	7.58	Livestock and Domestic
4903711	1971-08-25	62.8	2.4	3.79	Domestic
4903812	1972-04-25	50.3	28.0	22.74	Domestic
4904179	1973-07-18	51.2	20.7	15.16	Domestic
4904182	1973-02-15	53.6	18.3	7.58	Industrial and Domestic
4904567	1974-10-15	47.9	18.9	37.9	Domestic
4904931	1976-05-13	53.9	29.3	11.37	Domestic
4905070	1977-03-15	55.5	32.0	7.58	Domestic
6907218	1964-07-16	22.9	-	-	-
6907219	1964-08-31	42.1	27.4	37.9	Domestic
6914986	1978-10-10	55.5	32.9	37.9	Domestic
6918791	1987-02-05	55.8	29.0	11.37	Domestic
6921422	1981-03-02	23.2	15.5	37.9	Domestic
7110588	2008-07-31	18.3	-	15.16	Domestic
7110588	2008-07-31	18.3	-	-	Domestic
7110588	2008-07-31	18.3	-	-	Domestic
7132481	2009-09-14	7.5	-	-	Monitoring
7132481	2009-09-14	-	-	-	Monitoring
7132481	2009-09-15	-	-	-	Monitoring
7177345	2011-12-28	-	33	-	Other
7212225	2013-10-18	-	-	-	-
7212292	2013-06-12	7.6	-	-	Monitoring
7212293	2013-06-12	7.6	-	-	Monitoring
7212297	2013-06-12	9.0	-	-	Monitoring
7212298	2013-06-12	6.0	-	-	Monitoring
7231571	2014-10-16	6.1	-	-	Monitoring and Test Hole
7231572	2014-10-16	5.2	-	-	Monitoring and Test Hole
7231573	2014-10-16	6.1		-	Monitoring and Test Hole
7235624	2014-11-03	-	30.5	-	Not Used
7235626	2014-11-03	-	-	-	Not Used
7236035	2014-10-14	-	-	-	Not Used
7236037	2014-10-14	-	-	-	Not Used
7245314	2015-07-16	4.6	-	-	Monitoring

Table 1. Water Well Records



Well ID	Date Completed	Depth (mbgs)	Static Water Level (mbgs)	Well Yield (L/min)	Well Use
7245315	2015-07-16	6.1	-	-	Monitoring
7245316	2015-07-16	6.1	-	-	Monitoring
7288339	2014-12-09	-	3.4	-	-

2.5 Source Water Protection

The site located in the Credit Valley, Toronto and Region and Central Lake Ontario (CTC) Source Protection Area. The Source Water Protection Plan identifies three main regulatory factors under the *Clean Water Act (2006)* relating to local hydrogeology to consider for site development: Significant Groundwater Recharge Areas (SGRAs), Highly Vulnerable Aquifers (HVAs), and Wellhead Protection Areas (WHPAs). Also, the Region of Peel requires a Section 59 Permit under the Clean Water Act (2006) when a proposed land development or change in activity is within a designated vulnerable area. The Section 59 permit designates whether the development or change in activity is prohibited by the Source Water Protection Plan or whether additional risk management plans are required.

Based on input from Peel Region staff, on November 19, 2020, and available MECP Source Protection information mapping (**Figure 6**), the site is not situated within Source Water Protection regulatory zones (HVA, SGRA, etc.) and will not require a Section 59 Permit. It was also confirmed that the site is not located within a WHPA-Q1/Q2 (recharge management) and is not subject to the recharge management policies under the Source Protection Plan.

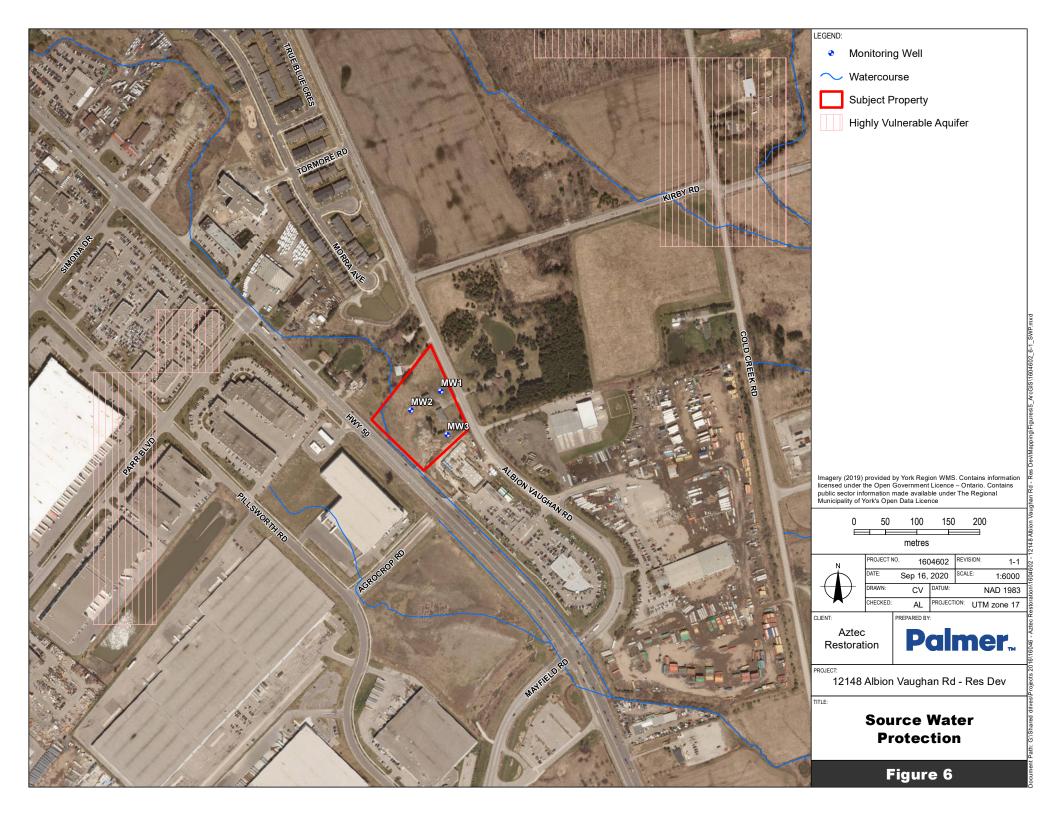
3. Site Conditions

3.1 Drilling and Installation of Monitoring Wells

As part of Palmer's hydrogeological investigation, three (3) boreholes (BH20-1 to BH20-3) were drilled on August 17, 2020. The boreholes were drilled using hollow stem augers, to depths ranging from 6.4 to 6.7 mbgs. All three (3) boreholes were completed as monitoring wells in accordance with Ontario Regulation 903. The monitoring wells are made of 5.1 cm (2 inch) diameter schedule 40 polyvinyl chloride (PVC) pipe, with a 3.0 m (10 ft) screened interval. Borehole and monitoring well locations are shown on **Figure 1**. Additionally, according to Davroc's Geotechnical Investigation (2020), six (6) boreholes were drilled between November 24th and December 11th, 2020 with depths ranging from 9.6 to 15.7 m. No monitoring wells were installed, and boreholes were backfilled upon completion. **Table 2** provides a summary of borehole and monitoring well details and borehole logs are provided in **Appendix B**.

Borehole/ Monitoring Well		Depth (mbgs)	Approx. Screened Interval (mbgs)	Geology
Delmor	BH20-1	6.7	3.6 - 6.7	Clayey Silt Till
Palmer	BH20-2	6.4	3.3 - 6.4	Clayey Silt Till
	BH20-3	6.7	3.6 - 6.7	Clayey Silt Till

Table 2. Borehole and Monitoring Well Installation Details





Borehole/ Monitoring Well		Depth (mbgs)	Approx. Screened Interval (mbgs)	Screened Geology
	BH1	15.7	-	-
	BH2	15.7	-	-
Davroc	BH3	12.8	-	-
Davioc	BH4	9.6	-	-
	BH5	11.1	-	-
	BH6	11.1	-	-

3.2 Hydrostratigraphy

Hydrostratigraphic units can be subdivided into two distinct groups based on their ability to allow groundwater movement. An aquifer is classically defined as a layer of soil that is permeable enough to permit a usable supply of water to be extracted. An aquitard is a layer of soil that inhibits groundwater movement due to its low permeability. Shallow groundwater flow at the site is primarily influenced by the Halton Till hydrostratigraphic unit.

The Halton Till at the site consists of a clayey silt till that acts as an aquitard unit restricting groundwater flow. The clayey silt till aquitard can be found underlying the layer of fill in all boreholes (BH20-1 to B20-3) and was terminated in this deposit. In BH20-2, a thick silty clay layer was found at a depth of 4.7 mbgs and is found to be 1.5 m thick. This unit contains some silty sand and sand layers, allowing minimal groundwater to flow through. The hydraulic conductivity is estimated to range from 10⁻⁶ to 10⁻⁹ m/s.

3.3 Groundwater Level and Flow

Three (3) 50 mm diameter monitoring wells were installed to monitor stabilized groundwater levels. Stabilized groundwater levels were measured on August 26, 2020 (one week after borehole drilling) and on November 20, 2020. All wells were found to be dry. From the soil samples, it is observed the soil starts to turn grey at approximately 4.2 mbgs, and this can be interpreted as the water level during seasonal highs. **Table 3** shows the water levels in each monitoring well.



Borehole/ Monitoring		Groundwater Level (mbgs)		
Well	Stick Up (m)	August 26, 2020	November 20, 2020	
BH20-1	0.77	Dry @ 6.7 mbgs	Dry @ 6.7 mbgs	
BH20-2	0.81	Dry @ 6.4 mbgs	Dry @ 6.4 mbgs	
BH20-4	0.83	Dry @ 6.7 mbgs	Dry @ 6.7 mbgs	

Table 3. Groundwater Levels

The Davroc Geotechnical Investigation notes some wet seams and some standing water was observed in all boreholes prior to backfilling, however, no groundwater levels were collected.

Most water is not expected to infiltrate into the ground from precipitation or snow melt, but instead become surface runoff due to the low permeability Halton Till aquitard at the surface. The runoff is expected to flow towards either the tributary on the west side of the property or into the drainage ditches surrounding the property. Based on the water level results, it is clear that the groundwater table is well below the depth of the on-site drainage feature. This feature is therefore interpreted to not be hydraulically connected to the water table nor groundwater supported.

3.4 Hydraulic Conductivity

As all three (3) monitoring wells were dry during the monitoring events, single well response tests could not be completed. To obtain hydraulic conductivity estimates for the soils, Palmer personnel submitted two (2) soil samples, Sample 7 in BH20-1 and Sample 6B in BH20-2, to Terrapex for grain size analyses (**Appendix C**).

Hydraulic conductivity estimates were calculated using Puckett's Method (Puckett, 1990) on the grain size analyses results. This method is typically used for calculating the hydraulic conductivity of low permeability silt and clay soils from grain size data by utilizing the percentage of clay in the soil.

Based on the Puckett's method, the geometric mean hydraulic conductivity of the Halton Till is approximately 1.1×10^{-8} m/sec and is found to be 1.2×10^{-7} m/s and 1.0×10^{-9} m/s for BH1 and BH2, respectively. The variability of the K values within the site are a result of the heterogeneity of the soils, where sand seams and clay layers can be found. The Halton Till layer is found to have a low hydraulic conductivity and will inhibit the flow of groundwater. **Table 4** provides a summary of the hydraulic conductivity values.



Borehole	Borehole Sample #		Solution	Hydraulic Conductivity (m/sec)
BH20-1	7	6.1	Puckett	1.2 x 10 ⁻⁷
BH20-2	6B	4.7	Puckett	1.0 x 10 ⁻⁹
Geomean	-	-	-	1.1 x10 ⁻⁸

Table 4. Hydraulic Conductivity Summary

4. Development Considerations and Potential Effects

4.1 Environmental Impacts

Based on the hydrogeological study, construction or site development will not cause an adverse effect to nearby natural features. Based on borehole logs and groundwater level monitoring, no groundwater was found on site to a depth of 6.7 mbgs. Only limited precipitation is expected to infiltrate from precipitation or snow melt, and the water balance is instead dominated by surface runoff due to the low permeability Halton Till aquitard found throughout the site. The runoff is expected to flow towards either the tributary on the west side of the property or into the drainage ditches surrounding the property along the road right of ways.

Based on the water level results, it is clear that the groundwater table is well below the depth of the onsite drainage feature. This feature is therefore interpreted to not be hydraulically connected to the water table nor groundwater supported and will not be affected by construction or site development.

4.2 Source Water Protection

Based on input from Peel Region staff and available MECP Source Protection information mapping (**Figure 6**), the site is not situated within any Source Water Protection regulatory zones and therefore, does not require a Section 59 Permit. No significant threat is expected which would require stormwater management and/or water balance restrictions.

It is confirmed that the site is not located within a WHPA-Q1/Q2 (recharge management) only has a limited recharge function. From a hydrogeological perspective, no infiltration-based mitigation is recommended.

4.3 Existing Water Users

Based on a review of MECP water well records within 500 m of the site, only 16 wells were determined to be for domestic use. The average depth of these wells is 31.3 mbgs. Based on the minimal estimated dewatering for the site and average depth of nearby domestic wells, no adverse impact to existing water users is anticipated.



4.4 Dewatering

The proposed site development consists of two mix-use condominium towers with 2-levels of underground parking, founded at approximately 7.2 mbgs (**Appendix A**). During site monitoring, no groundwater was observed in the wells, and the water table is therefore found to be below the depth of investigation at 6.7 mbgs. However, from the soil samples, it is observed the soil starts to turn grey at approximately 4.2 mbgs, which can be interpreted as the water level during seasonal highs. A dewatering rate estimate was conservatively calculated by using this as the anticipated seasonal high water level from the grey to brown soil transition as no actual groundwater was found on site. Based on the site plan, the construction dimensions for the underground parking structure are approximately 72 m by 114 m. The highest hydraulic conductivity value of 1.2×10^{-7} m/s was used.

Dewatering rate estimates (Q) for the proposed building was calculated using the following equation from Powers et. al (2007) for an unconfined aquifer:

$$Q = \frac{\pi K (H^2 - h^2)}{\ln \left(\frac{R_0}{r_e}\right)} + 2 \left[\frac{x K (H^2 - h^2)}{2L}\right] \qquad m^3 / s$$

Where	κ	=	hydraulic conductivity (m/s)
	Н	=	saturated thickness (m)
h =		=	saturated thickness after dewatering (m)
	R_0	=	radius of influence estimated using the Sichardt equation:
			$R_0 = 3000 * (H-h)^* \sqrt{K}$ (m)
	r _e	=	equivalent radius estimated by:
			$r_e = \sqrt{\frac{a * x}{\pi}} (m)$
			Where a = trench width (m)
	x	=	excavation length
	L	=	line source distance (m) which is the greater of $R_0/2$ or 10 m

Based on the above equation, it is estimated that up to 6,940 L/day of groundwater will be required to be discharged if groundwater is found 4.2 mbgs and is lowered to approximately 8 mbgs. As a contingency and to account for variability in the soil, an additional 10,000 L/day should be expected as a contingency for a total of 16,940 L/day during construction. Dewatering at these rates is expected to be managed effectively using sump pumps at the base of the excavation and can be discharged in the surrounding drainage ditches on site following mitigation for sediment. No long-term dewatering is expected to be required.

For construction dewatering in excess of 50,000 L/day a registration under the MECP Environmental and Sector Registry (EASR) is required. If dewatering exceeds 400,000 L/day a Permit to Take Water (PTTW) is required. As the anticipated dewatering rates are estimated to be less than 50,000 L/day, a PTTW or EASR is not expected to be required for this project.

A provision for the removal of stormwater from the excavation should be made. Assuming a 25 mm storm event over the excavation area of approximately 72 m by 114 m, could add 205,200 L requiring removal for a dry excavation. As this volume is completely stormwater, a PTTW or EASR would not be required,



however a discharge permit from the Regional of Peel would be required to discharge to the storm or sanitary sewer system.

5. Conclusions and Recommendations

The following summarizes the results our Hydrogeological Assessment to support development at the property at 12148 Albion-Vaughan Road, Town of Caledon, Ontario:

- Underlying the site is the Halton Till Aquitard, which consists of clay to silt textured till, which is derived from glaciolacustrine deposits or shale.
- A small tributary to the Humber River intersects the west corner of the property. This channel has been historically realigned and appears to be perched on the till deposits.
- Based on a review of the MECP water well record database, 42 water wells are situated within a 500 m radius of the project boundary. Of the water wells, 16 are for domestic use, 1 is for livestock and domestic, 1 is for industrial and domestic, 10 are for monitoring, 3 are for monitoring or test holes, 5 are not used, 1 is for other, and 5 are unknown.
- Over the entire the site, the water levels in the well were determined to be dry at depths of 6.4 to 6.7 mbgs. From the soil samples, it is observed the soil starts to turn grey at approximately 4.2 mbgs, and this can be interpreted as the water level during seasonal highs.
- Based on the grain size analyses, the geometric mean hydraulic conductivity of the site is approximately 1.1 x10⁻⁸ m/s and is found to be 1.2 x 10⁻⁷ m/s and 1.0 x 10⁻⁹ m/s for BH1 and BH2, respectively
- The site is not situated within Source Water Protection regulatory zones (HVA, SGRA, etc.) and will not require a Section 59 Permit. It was also confirmed that the site is not located within a WHPA-Q1/Q2 (recharge management) and is not subject to the recharge management policies under the Source Protection Plan.
- No significant threat is expected which would require stormwater management and/or water balance restrictions. It is not expected that construction will cause adverse effect to nearby natural features.
- Construction dewatering rate are expected to be very low to negligible for this project. An
 estimated rate of 16,940 L/day could be expected to account for variability in the soil. Dewatering
 at this rate will be manageable with the use of sump pumps, which can be discharged in the
 surrounding drainage ditches on site following mitigation for sediment. No long-term dewatering is
 expected to be required.
- Provisions should be to account for direct precipitation over the excavation area. A discharge
 agreement with Peel Region would be required to discharge stormwater to the roadside ditching.
- Based on a review of MECP water well records, no adverse impact to existing water users is anticipated.
- A Permit To Take Water (PTTW) or a registration on the Environmental and Sector Registry (EASR) from the MECP are not expected to be required for this project.



6. Statement of Limitations

The extent of this study was limited to the specific scope of work for which we were retained and that is described in this report. Palmer has assumed that the information provided by the client or any secondary sources of information are factual and accurate. Palmer accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or negligent acts from relied upon data. Judgment has been used by Palmer in the interpretation of the information provided but subsurface physical and chemical characteristics may differ from regional scale geology mapping and vary between or beyond well/borehole locations given the inherent variability in geological conditions.

Palmer is not a guarantor of the geological or groundwater conditions at the subject site, but warrants only that its work was undertaken and its report prepared in a manner consistent with the level of skill and diligence normally exercised by competent geoscience professionals practicing in the Province of Ontario. Our findings, conclusions and recommendations should be evaluated in light of the limited scope of our work.

The information and opinions expressed in the Report are for the sole benefit of the Client. NO OTHER PARTY MAY USE OR RELY UPON THE REPORT OR ANY PORTION THEREOF WITHOUT PALMER'S WRITTEN CONSENT AND SUCH USE SHALL BE ON SUCH TERMS AND CONDITIONS AS PALMER MAY EXPRESSLY APPROVE. Ownership in and copyright for the contents of the Report belongs to Palmer. Any use which a third party makes of the Report is the sole responsibility of such third party. Palmer accepts no responsibility whatsoever for damages suffered by any third party resulting from use of the Report without Palmer's express written permission. Should the project design change following issuance of the Report, Palmer must be provided the opportunity to review and revise the Report in light of such alteration or variation.

7. Closure

This report was prepared and reviewed by the undersigned:

Prepared By:



Nolan Boyes, M.Sc., P.Geo. Hydrogeologist

Reviewed By:

1. Cale

Jason Cole, M.Sc., P.Geo. VP, Principal Hydrogeologist



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Low Impact Development Stormwater Management Planning and Design Guide, Version 1.0 – Appendix C.



Appendix A

Site Plan (Fausto Cortese Architects, 2023)

TOWER A + AMENITY	Faus MIX-I Locat 3560	tion: Rutheford ro	DO DE∨ bad, Un	ELOPMI	ENT AT 12148 /	ALBION VAU	IGHAN R	D. B(OLTON - CALEE	DON			
+	Vaug	han, Ontario											
ITEM			Onta	rio Bui	Iding Code I	Data Matrix	x - Part	3&	9			DBC Refere	n B unless noted
												Division A or [C]	
1	Proje	ct Descriptio	n: 3 & 6	Storeys	Condo Building	\boxtimes	New		Part 11		🛛 Pa	rt 3	Part 9
							Addition		11.1 to 11.4		1.1.2. [A	N]	1.1.2. 9.10.1.3.
				□с	hange of Use		Alteratio	n					0.101101
2	Majo	Occupancy	(s)	Group	o C						3.1.2.1.	(1)	9.10.2.
3	Build	ing Area (m ²)	NEW: 2	2400.72 m2	тс)TAL: 240	0.72	2 m2		1.4.1.2	[A] 1	1.4.1.2 [A]
4	Gros	s Area (m ²)		NEW: 7	13010.64 m2	тс	DTAL: 130)10.6	64 m2		1.4.1.2	[A]	1.4.1.2 [A]
5	Num	per of Storey	S	Above	e Grade: 6	Bel	ow Grade	e: 2			1.4.1.2 [A] & 3.2.1.1.	1.4.1.2 [A] 9.10.4.
6	Num	per of Streets	s/Fire Fi	ghter Ac	cess: 1						3.2.2.10	8 3.2.5.	9.10.20.
7	Buildi 3.2.2	ng Classifica	ation:		GROUP C						3.2.2.43	3	9.10.2.
	0.2.2												
8	Sprin	kler System	Propos	ed 🖂	entire building	9		in lie	eu of roof rating		3.2.2.67	,	9.10.8.2.
					selected com	partments		not	required		3.2.1.5		
					selected floor	areas		EXI	STING NO CHA	NGE	3.2.2.17	,	
					basement						INDEX		INDEX
9	Stand	pipe require	d			\boxtimes	Yes		No		3.2.9.		N/A
10	Fire A	larm require	d			\boxtimes	Yes	Г	No		3.2.4.		9.10.18.
11	Wate	r Service/Su	pply is <i>i</i>	Adequate	9	\boxtimes	Yes		No		3.2.5.7.		N/A
12	High	Building				\boxtimes	Yes		No		3.2.6		N/A
13	Cons	truction Rest	rictions		Combusti Permitted	ble	Non-con Required	nbus [.] d	tible 🔲 Bo	oth	3.2.2.67	,	9.10.6.
	Actua	al Construction	on		Combusti	ble 🖂	Non-con	nbus	tible 🔲 Be	oth			
14	Mezz	anine Area (m ²): N	/A							3.2.1.1.	(3)-(8)	9.10.4.1.
15	Occu	pant load ba			m²/person	imes	design o	of bui	lding		3.1.17		9.9.1.3.
		0	ccupan	cy: 350	Load:	_		Load	:				
16	Barrie	er-free Desig	n		Yes	No (E)	(plain):				3.8		9.5.2.
17	Haza	rdous Substa	ances		Yes	🖄 No						& 3.3.1.19	9.10.1.3.(4)
18	R	equired Fire			ntal Assemblies			List	ed Design No.			083 & .1.4	9.10.8. 9.10.9.
	1	sistance		FF	RR (Hours)		(or De	escription (SB-3)				
		Rating FRR)	Floor:		1	Hours							
			Roof:		0	Hours							
				FRR	of Supporting			List	ed Design No.				
				1	Vembers			or De	escription (SB-3)				
			Floor:		1	Hours			S1				
		-1.0	Roof:		-	Hours					0.0.0		0.40.44
19					of Exterior Walls	 Existing B Proposed 			Listed	~	3.2.3	Comb.	9.10.14.
	Wall	Area of EBF (m ²)	L.D. (m)	L/H or H/L	Max. % of	% of	(Ца		Design or	Com Con:	Co	nstr. Nonc.	Non-comb Const
Left	North	NO CHANGE		- H/L	Openings –	Openings –	-		Description –	-	. (Cladding _	-
Front	South	NO CHANGE		_	_		-		_	-		-	_
Rear	East	NO CHANGE		_	-	_	-		_	-		_	_
Right	West	NO CHANGE	-	-	-	-	-		-	-		-	-

TOWER B	Faust MIX-U Locat 3560)O DE∖ bad, Un	/ELOPME	ENT AT 12148 /	ALBION VA	UGHAN RD. I	BOLT	ON - CALEI	DON		
ITEM			Onta	rio Buil	Iding Code I	Data Matr	ix - Part 3 a	& 9			OBC Refer References are to Division	
											[A] for Division A or [C	
1	Proje	ct Description	n: 7 Sto	orey Conc	lo Building	\boxtimes	New		Part 11		Part 3	Part 9
							Addition	11.	1 to 11.4		1.1.2. [A]	1.1.2. 9.10.1.3.
				Cł	nange of Use		Alteration					
2	Major	Occupancy	(s)	Group	С						3.1.2.1.(1)	9.10.2.
3	Buildi	ng Area (m²))	NEW: 2	2092.75 m2	т	OTAL: 2092.7	75 m2			1.4.1.2 [A] 1	1.4.1.2 [A]
4	Gross	s Area (m²)		NEW: 1	4680.14 m2	Т	OTAL: 14680	.14 m2	2		1.4.1.2 [A]	1.4.1.2 [A]
5	Numb	per of Storey	s	Above	e Grade: 7	Be	elow Grade: 2				1.4.1.2 [A] & 3.2.1.1.	1.4.1.2 [A] 9.10.4.
6	Numb	er of Streets	/Fire F	ighter Acc	cess: 1						3.2.2.10 & 3.2.5.	9.10.20.
7	Buildi 3.2.2.	ng Classifica 42	ation:		GROUP C						3.2.2.43	9.10.2.
	0.2.2.											
8	Sprinl	kler System I	Propos	ed 🛛	entire buildin	g	🔲 in	lieu of	roof rating		3.2.2.67	9.10.8.2.
					selected com	partments	🔲 no	t requ	ired		3.2.1.5	
					selected floo	r areas	E>	ISTIN	G NO CHA	NGE	3.2.2.17	
					basement						INDEX	INDEX
9	Stand	lpipe require	d			\boxtimes	Yes	N	c		3.2.9.	N/A
10	Fire A	larm require	d			\boxtimes	Yes	N	o		3.2.4.	9.10.18.
11	Wate	r Service/Su	pply is a	Adequate	1	\boxtimes	Yes	N	C		3.2.5.7.	N/A
12	High I	Building				\boxtimes	Yes	N	C		3.2.6	N/A
13	Const	truction Rest	rictions		Combusti Permitted		Non-combu Required	stible	В	oth	3.2.2.67	9.10.6.
	Actua	I Constructio	on		Combusti	ble 🛛	Non-combu	stible	В	oth		
14	Mezza	anine Area (r	m ²): N	I/A							3.2.1.1.(3)-(8)	9.10.4.1.
15	Occu	pant load bas	sed on		m²/persor	n 🖂	design of b	uilding			3.1.17	9.9.1.3.
			-	cy: 420	Load:	_	Loa	ad:				
16	Barrie	er-free Desig	n		Yes	No (E	xplain):				3.8	9.5.2.
17	Hazaı	rdous Substa	ances		Yes	🛛 No					3.3.1.2. & 3.3.1.19	9.10.1.3.(4)
18		equired Fire			tal Assemblies				esign No.		3.2.2.2083 & 3.2.1.4	9.10.8. 9.10.9.
	Res	sistance			R (Hours)		or L	Descrip	otion (SB-3))		
		Rating FRR) -	Floor:		2	Hours						
		-	Roof:		0	Hours						
					of Supporting				esign No.			
		-			lembers		or L		otion (SB-3))		
		-	Floor:		2	Hours			S1			
19	Cnot:		Roof:		-	Hours	Building				2.2.2	9.10.14.
19	•				of Exterior Walls	S - Existing I Propose			Listed	0	3.2.3	
	Wall	Area of EBF (m ²)	L.D. (m)	L/H or H/L	Max. % of	% of	(1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		esign or escription	Com Con	Constr. Nonc.	Non-comb Const
Left	North	NO CHANGE		-	Openings –	Opening	s (110013)			-	St Cladding	
Front		NO CHANGE		-	_	-	-		_	-		
Rear		NO CHANGE		-	-	-			_	-	-	_
Right		NO CHANGE		-	_	-	-		_	-	_	_
											-	



PROJECT ARCHITECTURAL DESIGN
CA Architects - FAUSTO CORTESE ARCHITECTS 590 Rutherford Road, Unit 7 Voodbridge, Ontario 4H 3T8 : 416-806-7000

PLANNING	
KLM PLANNING PART	V
PLANNING - DESIGN -	Ľ
64 Jardin Drive, Unit 1B	5
Concord, Ontario	
L4K 3P3	
T: 905-669-4055	

	GENERAL NOTES
1	For landscaping, refer to landscape drawings
2	. For proposed grading, refer to landscape drawings and approved grading plan.
3	For detailed lighting plan, refer to lighting drawings.
4	. All perimeter existing information indicated taken from survey.
5	All work to be done in conformance with the 2012 Ontario Building Code (O.B.C., as amended)

Albion Vaughan Road Condos

TNERS INC. - DEVELOPMENT

LANDSCAPE MSLA

MARTON SMITH LANDSCAPE ARCHITECTS 170 The Don Way West, Suite 206 North York, Ontario M3C 2G3 T: 416-492-9966

ENGINEERING CONSULTANTS TRISTAR ENGINEERING LTD.

8901 Woodbine Ave., Suite 116 Markham, Ontario L3R 9Y4 T: 905-604 -3801

HGC ENGINEERING - Howe Gastmeier Chapnik Limited NOISE - VIBRATION - ACOUSTICS 2000 Argentia Rd 1, Suite 203 Mississauga, Ontario L5N 1P7 T: 905-826-4044

ACOUSTIC

TRANSPORTATION CONSULTANTS PARADIGM TRANSPORTATION SOLUTIONS LIMITED 150 Pinebush Rd. Suite 5A Cambridge, Ontario N1R 8J8 T: 416.479.9684

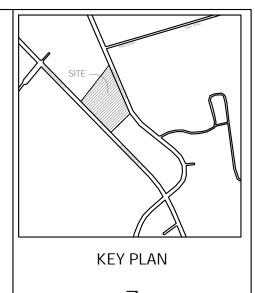
LANDS MASONG LIMITED 7800 Ker Markham L3R 2C7 T: 905-94

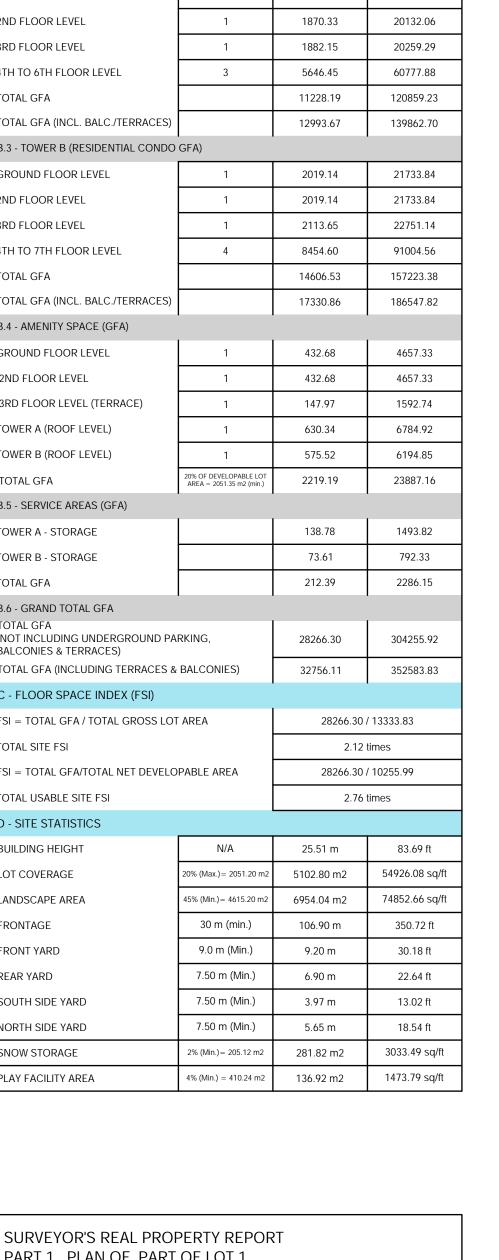
	LIST OF ARCHITECTURAL DRAWINGS
A1.0	COVER PAGE
A1.1	SITE PLAN
A1.2	SITE PLAN - EXCAVATION AND FORMING PHASES PLANS
A2.0	P1 LEVEL (TOWNHOMES, TOWERS A & B)
A2.1	P2 LEVEL (TOWNHOMES, TOWERS A & B)
A2.2A	MAIN FLOOR PLAN TOWER A
A2.2B	MAIN FLOOR PLAN TOWER B

	LIST OF ARCHITECTURAL DRAWINGS
A2.3A	2ND FLOOR PLAN - TOWER A
A2.3B	2ND FLOOR PLAN - TOWER B
A2.4A	3RD TO 6TH FLOOR PLAN - TOWER A
A2.4B	3RD TO 7TH FLOOR PLAN - TOWER B
A2.5A	PENTHOUSE - TOWER A
A2.5B	PENTHOUSE - TOWER B
A2.6	MAIN AMENITY CORE FLOOR PLANS

	LIST OF ARCHITECTURAL DRAWING
A3.0	ELEVATIONS
A3.1	ELEVATIONS
A3.2	ELEVATIONS
A3.3	ELEVATIONS
A4.0	BUILDING SECTIONS

SITE DEVELOPMENT - TOWN OF RM ZONE (MULTIPLE A - LOT AREA TOTAL LOT AREA GROSS SITE AREA (BEFORE ROAD WIDENING) DEVELOPABLE SITE AREA (AFTER ROAD WIDENIN NET DEVELOPABLE AREA B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL	RESIDENTIAL ARE m2 15375.96	
TOTAL LOT AREA GROSS SITE AREA (BEFORE ROAD WIDENING) DEVELOPABLE SITE AREA (AFTER ROAD WIDENING) NET DEVELOPABLE AREA B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL QT	15375.96	
GROSS SITE AREA (BEFORE ROAD WIDENING) DEVELOPABLE SITE AREA (AFTER ROAD WIDENIN NET DEVELOPABLE AREA B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL	15375.96	
DEVELOPABLE SITE AREA (AFTER ROAD WIDENIN NET DEVELOPABLE AREA B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL		165505.46
NET DEVELOPABLE AREA B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL QT	NG) 13333.83	
B - GROSS FLOOR AREA B.1 - UNDERGROUND LEVEL		143524.15
B.1 - UNDERGROUND LEVEL	10255.99	110394.56
QT		
	Y. m2	SQ/FT
PARKING LEVEL 1 - P1 1	8860.96	95378.58
PARKING LEVEL 2 - P2	8860.96	95378.58
TOTAL GFA	17721.92	190757.16
B.2 - TOWER A (RESIDENTIAL CONDO GFA)	·	
GROUND FLOOR LEVEL 1	1829.26	19689.99
2ND FLOOR LEVEL 1	1870.33	20132.06
3RD FLOOR LEVEL 1	1882.15	20259.29
4TH TO 6TH FLOOR LEVEL 3	5646.45	60777.88
TOTAL GFA	11228.19	120859.23
TOTAL GFA (INCL. BALC./TERRACES)	12993.67	139862.70
B.3 - TOWER B (RESIDENTIAL CONDO GFA)		
GROUND FLOOR LEVEL 1	2019.14	21733.84
2ND FLOOR LEVEL 1	2019.14	21733.84
3RD FLOOR LEVEL 1	2113.65	22751.14
4TH TO 7TH FLOOR LEVEL 4	8454.60	91004.56
TOTAL GFA	14606.53	157223.38
TOTAL GFA (INCL. BALC./TERRACES)	17330.86	186547.82
B.4 - AMENITY SPACE (GFA)		1
GROUND FLOOR LEVEL 1	432.68	4657.33
2ND FLOOR LEVEL 1	432.68	4657.33
3RD FLOOR LEVEL (TERRACE) 1	147.97	1592.74
TOWER A (ROOF LEVEL) 1	630.34	6784.92
TOWER B (ROOF LEVEL) 1	575.52	6194.85
TOTAL GFA 20% OF DEVEL AREA = 2051.		23887.16
B.5 - SERVICE AREAS (GFA)		
TOWER A - STORAGE	138.78	1493.82
TOWER B - STORAGE	73.61	792.33
TOTAL GFA	212.39	2286.15
B.6 - GRAND TOTAL GFA		
TOTAL GFA (NOT INCLUDING UNDERGROUND PARKING,	20277.20	204255.02
BALCONIES & TERRACES)	28266.30	304255.92
TOTAL GFA (INCLUDING TERRACES & BALCONIE	S) 32756.11	352583.83
C - FLOOR SPACE INDEX (FSI)		
FSI = TOTAL GFA / TOTAL GROSS LOT AREA	28266.3	30 / 13333.83
TOTAL SITE FSI	2.7	12 times
FSI = TOTAL GFA/TOTAL NET DEVELOPABLE ARE	EA 28266.3	30 / 10255.99
TOTAL USABLE SITE FSI	2.7	76 times
D - SITE STATISTICS		
BUILDING HEIGHT N//	A 25.51 m	83.69 ft
LOT COVERAGE 20% (Max.) =	2051.20 m2 5102.80 m2	54926.08 sq/ft
LANDSCAPE AREA 45% (Min.) = 4	4615.20 m2 6954.04 m2	74852.66 sq/ft
FRONTAGE 30 m (min.) 106.90 m	350.72 ft
FRONT YARD 9.0 m ((Min.) 9.20 m	30.18 ft
REAR YARD 7.50 m	(Min.) 6.90 m	22.64 ft
SOUTH SIDE YARD 7.50 m	(Min.) 3.97 m	13.02 ft
NORTH SIDE YARD 7.50 m	(Min.) 5.65 m	18.54 ft
	205.12 m2 281.82 m2	3033.49 sq/ft
SNOW STORAGE 2% (Min.) = 2		





SCAPE CONSULTANTS	
SCAPE CONSULTAINTS	
IGSONG ASSOCIATES ENGINEERING) ennedy Road, Suite 20	
m, Ontario 7	
944-0162	

PART 1 , PLAN OF PART OF LOT 1
CONCESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION)
TOWN OF CALEDON REGIONAL MUNICIPALITY OF PEEL
scale as noted in original survey plan David B. Searles Surveying Ltd. ontario land surveyors
METRIC DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048
BENCH MARK NOTE ELEVATIONS ARE REFERRED TO THE CITY OF BRAMPTON BENCHMARK No. 042010221, BEING A BRASS CAP IN CONCRETE APPROX. 21 m SOUTH OF CENTRELINE OF NASHVILLE ROAD AND 11 m EAST OF CENTRELINE OF REGIONAL ROAD 50, IN FRONT OF GAS STATION/COFFEE SHOP. HAVING AN ELEVATION OF 220.967 m.

CAUTION LOCATIONS OF ALL UTILITIES ARE APPROXIMATE. ALL UTILITIES SHOULD BE CONTACTED PRIOR TO ANY DIGGING OR CONSTRUCTION.

NOTE PROPERTY LIMITS ARE NOT FENCED UNLESS OTHERWISE NOTED ON THE FACE OF THE PLAN.

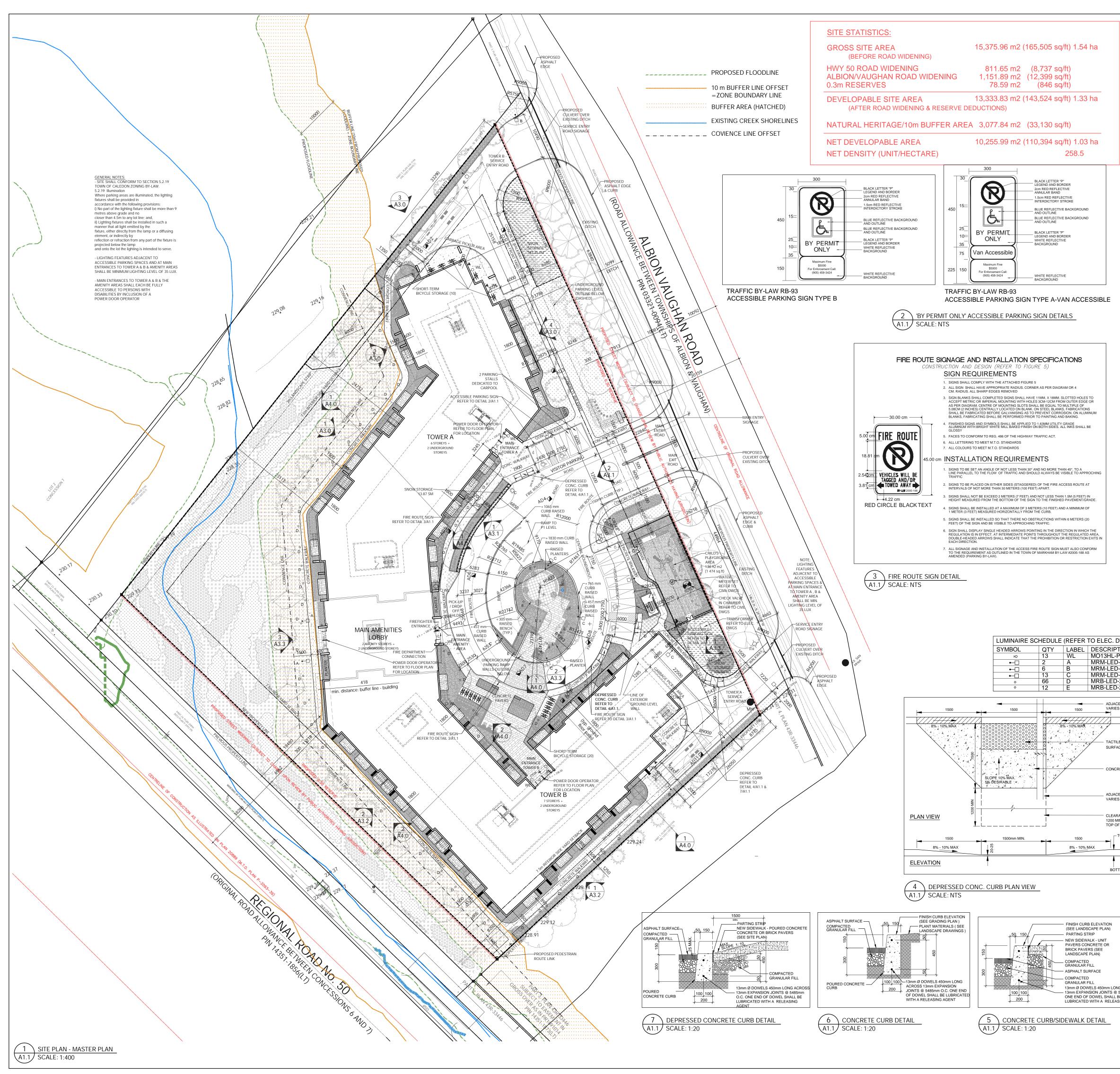
1 ISSUED FOR D/MM/YYY DATE No. DESCRIPTION REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR SITE PLAN APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSION AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FLV FAUSTO CORTESE ARCHITECTS 3590 RUTHERFORD RD. UNIT 7 VAUGHAN, ONTARIO, L4H 3T8 416-806-7000 FCORTESE@FCARCHITECTS.CA PROPOSED MIX-USE CONDO DEVELOPMENT 12148 ALBION VAUGHAN RD. BOLTON CALEDON

COVER PAGE

REVIEWED BY

WING No:

A1.0



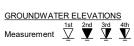
											TOW	ERS							
	STOREYS	UNI UNIT TYPE	TS TYP	PE m2	GROUND FLOOR	2ND FLOOR	TOW 3RD FLOOR	4TH FLOOR	5TH FLOOR	6TH FLOOR	GROUND FLOOR	2ND FLOOR	3RD FLOOR	4TH FLOOR	5TH FLOOR	6TH FLOOR	7TH FLOOR	TOTALS	SITE -
	1 BEDROOM	TYPE 1-4	592-633	55-64	6	7	6	6	6	6	5	6	6	6	6	6	6	78	
	1 BEDROOM + DEN	TYPE 1-7	800-1004	74-93	5	5	3	3	3	3	2	2	2	2	2	2	2	36	
	2 BEDROOM	TYPE 1-13	932-1114	86-104	6	5	5	5	5	5	12	11	9	9	9	9	9	99	KEY PLAN
	2 BEDROOM + LARGE BALCONY	TYPE 1-9	1011-1244	94-116	0	2	4	4	4	4	0	1	4	4	4	4	4	39	
	3 BEDROOM	TYPE 1	1584-1801	147-167	1	1	1	1	1	1	1	1	1	1	1	1	1	13	
			UNITS PER		18	20	19	19	19	19	20	21	22	22 151	22	22	22		
			OTAL UNITS								265			131					
	* INCLUI (15% OF	DES 40 E TOTAL						FLOC			RB-(1		EDRO						
	4		4 				2NE) FLOC	DR - 1		RА-(2 RВ-(1	2) - 1 B	EDRO EDRO						
	$\frac{360}{[1^{-}2\frac{1}{8}^{-}]}$		— COM	NCRETE	E SLAB		3RE) FLOC	DR - 1 - -		RА-(2 RВ-(1	2) - 1 B	EDRO EDRO						
							4TH	I FLOC)R		RA - (2 RB - (1	2) - 1 B	EDRO EDRO						
3000	[9'-10 <u>4</u> "]		Fro	1PERED STED (5TH	I FLOC	DR - 1 		RA - (2 RB - (1	2) - 1 B	EDRO EDRO						
	[9 2440 [8'-0 <mark>1</mark> "]		PAN	IEL			6TH	I FLOC	DR - 1 		RA - (2 RB - (1	2) - 1 B	EDRO EDRO						
			— MET	TAL POS	ST		7TH	I FLOC)R - 1 -		RA - N RB - (1	/A	EDRO	OM + (3) 2 BE	DROC	<u>M</u>		
					ST SLEEV							-							
		Ш / г	— COI	NCRETE	D TO SLA E SLAB	чв .	ТОТ	TAL -					. ,		DOM				
	4 					4Β	TOT	ΓAL -			BEDRO		. ,		DOM				
	8 PR	IVACY PA	۵		E SLAB		ТОТ	ΓAL -					. ,		DOM				
		IVACY PA ALE: 1:25	۵		E SLAB	, 	τοι	ΓAL -		40) BA	RRIER	-FREE	SUITE	ES	ID				
			۵		E SLAB	ι.	τοι	ΓAL -		40) BA	RRIER	-FREE	SUITE	ES LEGEN					
. DWGS	A1.1 SC		۵		E SLAB					40) BA	RRIER	-FREE	POSED	LEGEN NEW (GRADE	ID				
DWGS PTION -PP-M D-07L-	A1.1 SC S) W-8L40K-I SIL-2-30-7	ALE: 1:25 DCC-DV 70CRI-IL	۵	CREE LUN 11.4 53	NS 1. WAT	TS L 0 0	LF .900 .880	LUM. I 963 4167		40) BA	RRIER	-FREE] PROI EXIS PROI MAN	POSED TING G DOOR	LEGEN NEW (RADE CATC ENTR	ID GRADE H BASI ANCES	NS			
. DWGS PTION PP-M1 D-07L- D-07L- D-07L- D-25L-/	A1.1 SC	ALE: 1:25 DCC-DV 70CRI-IL 70CRI-IL 70CRI	۵		NS 1. WAT	TS L 0 0 0 0 0 0	LF .900 .880 .880 .880 .930	LUM. I 963		40) BA	RRIER	-FREE PROI EXIS [®] PROI MAN DRIV	POSED TING G POSED DOOR E-IN DO	LEGEN NEW (RADE CATC ENTR	id GRADE H BASI	NS			
DWGS PTION -PP-MI D-07L- D-07L- D-07L- D-25L- D-25L- ACENT SUI	A1.1 SC W-8L40K-I SIL-2-30-7 SIL-2-30-7 SIL-3-30-7 ACR-A-30 ACR-S-30	ALE: 1:25 DCC-DV 70CRI-IL 70CRI-IL 70CRI	۵	CREE LUW 11.4 53 53 23	NS 1. WAT	TS L 0 0 0 0 0 0	LF .900 .880 .880 .880 .930	LUM. I 963 4167 5050 6889 1633		40) BA	RRIER	-FREE PROI MAN DRIV - FENC	POSED TING G POSED DOOR E-IN DO	LEGEN NEW (RADE CATC ENTR	ID GRADE H BASI ANCES	NS			No. DESCRIPTION DATE
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. DWGS	A1.1 SC	ALE: 1:25 DCC-DV OCRI-IL OCRI-IL OCRI-IL OCRI-IL OCRI OCRI-IL OCRI OCRI CONDO UNITS PARKING PARKING PARKING REQUIRED CUIRED CUIR	NEL SO	CREEI CREEI LUW 11.4 53 53 53 23 30 PARKING S PARKING SPO RKING SPO PARKING SPO PARKING SPO PARKING SPO	E SLAB NS NS RKING RKING PARKIN SPACES PER DWEL RKING RKING AREA 11.240 RKING AREA 11.240 RKING AREA 11.240 RKING AREA 11.240 RKING AREA A A A A A A A A A A A A	TS L 0 0	LF .900 .880 .880 .930 .930 .930 .930 .930 .930 .930 .93	LUM. I 963 4167 5050 6889 1633 2156 ITS ITS ICS ICS ICS ICS ICS ICS ICS ICS ICS IC	463.750 TOTAL			-FREE PROI EXIS PROI MAN DRIV FENC SIGN GRO REFE WAL FIRE SIGN GRO REFE WAL SIGN GRO REFE WAL	SUITE	LEGEN NEW NEW RADE CATC CATC CATC CATC CATC CATC CATC CAT	ID GRADE H BASI ANCES DCATIC CATIC AREA DUND A GEND TYPE B	NS DNS CHEDU N REA CESSIBLE F	ARKING SP	ACE	No. DESCRIPTION DATE REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR BUILDING PERMIT ISSUED FOR SITE PLAN APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FAUSTO CORTESSE A R C H I T E C T S S3590 RUTHERFORD RD. UNIT 7 VAUGHAN, ONTARIO, L4H 3TB 416-806-7000 FCORTESE@FCARCHITECTS.CA DRAWINC:
. DWGS	A1.1 SC. A1.1 SC. W-8L40K-I SIL-2-30-7 SIL-3-30-7 SIL-3-30-7 ACR-A-30 ACR-A-30 ACR-S-30 RFACE 	ALE: 1:25 DCC-DV OCRI-IL OCRI-IL OCRI-IL OCRI-IL OCRI OCRI-IL OCRI OCRI CONDO UNITS PARKING PARKING PARKING REQUIRED CUIRED CUIR		CREEI	SIAB SIAB NS NS RKING RKING RKING RKING RKING I1.240 I1.240 I1.240 I1.240 II.240 III.240 III	REQUI GREQUI LING UNIT JNIT FOR TED VISITOR PROVII	LF .900 .880 .880 .930 .930 .930 .930 .930 .930 .930 .93	LUM. I 963 4167 5050 6889 1633 2156 ITS ITS ICS ICS ICS ICS ICS ICS ICS ICS ICS IC				-FREE PROI EXIS PROI MAN DRIV FENC SIGN GRO REFE WAL FIRE SIGN GRO REFE WAL SIGN GRO REFE WAL	SUITE	LEGEN NEW NEW RADE CATC C	ID GRADE H BASI ANCES DCATIC CATIC AREA DUND A DUND A GEND TYP. AC TYPE B ACCE LEVEL	NS DNS CHEDU N REA CESSIBLE F	ARKING SP	ACE	NO. DESCRIPTION DATE REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR SITE PLAN APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FAUSTO CORSTEUSE A R C H I T E C T S S390 RUTHERFORD RD. UNIT 7 YAUGHAN, ONTARIO, L4H 3TB 416-806-7000 FCORTESE@ FCARCHITECTS.CA
. DWGS	A1.1 SC	ALE: 1:25 DCC-DV OCRI-IL OCRI-IL OCRI-IL OCRI-IL OCRI OCRI-IL OCRI OCRI CONDO UNITS PARKING PARKING PARKING REQUIRED CUIRED CUIR	NELS NELS NELS NELS NELS	CREEI	E SLAB	TS L 0 0	LF .900 .880 .880 .930 .930 .930 .930 .930 .930 .930 .93	LUM. I 963 4167 5050 6889 1633 2156 ITS ITS ICS ICS ICS ICS ICS ICS ICS ICS ICS IC	463.750 TOTAL			-FREE PROI EXIS PROI MAN DRIV FENC SIGN GRO REFE WAL FIRE SIGN GRO REFE WAL SIGN GRO REFE WAL	SUITE	LEGEN NEW NEW RADE CATC C	ID GRADE H BASI ANCES DCATIC CATIC AREA DUND A DUND A GEND TYP. AC TYPE B ACCE LEVEL	NS DNS CHEDU N REA	ARKING SP	ACE	NO. DESCRIPTION DATE REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR SULDING PERMIT ISSUED FOR SULT AND APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT AND VOSCEPARACES TO THE DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FAUSTO CORPTEESE A R C H I T E C T S SPOOR UTHERFORD RD. UNIT 7 VAUGHAN, ONTARIO, L4H 3T8 416-806-7000 FCORTESE@FCARCHITECTS.CA DRAWING: PROPOSED MIX-USE CONDO DEVELOPMENT ON 12148 ALBION VAUGHAN RD. BOLTON TOWN OF CALEDON DRAWING: DRAWING: DRAWING:
. DWGS	A1.1 SC	ALE: 1:25 DCC-DV OCRI-IL OCRI-IL OCRI-IL OCRI-IL OCRI OCRI-IL OCRI OCRI CONDO UNITS PARKING PARKING PARKING REQUIRED CUIRED CUIR	NEL SO	CREEL CREEL CREEL CREEL CREEL CREEL CREEL CREEL STORES CREEL	E SLAB	TS L 0 0	LF .900 .880 .880 .930 .930 .930 .930 .930 .930 .930 .93	LUM. I 963 4167 5050 6889 1633 2156 ITS ITS ICS ICS ICS ICS ICS ICS ICS ICS ICS IC	463.750 TOTAL			-FREE PROI EXIS PROI MAN DRIV FENC SIGN GRO REFE WAL FIRE SIGN GRO REFE WAL SIGN GRO REFE WAL	SUITE	LEGEN NEW NEW RADE CATC C	ID GRADE H BASI ANCES DCATIC CATIC AREA DUND A DUND A GEND TYP. AC TYPE B CATE LEVEL	NS DNS CHEDU N REA	ARKING SP	ACE	No. DESCRIPTION DATE REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR SITE PLAN APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT AND CONSTRUCTION. IMMENSIONS THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FOCEED ING WITH CONSTRUCTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. STEPPLAN, ONTARIO, L4H 3TB 416-806-7000 FCORTESE@FCARCHITECTS.CA DRAWING: PROPOSED MIX-USE CONDO DE VELOPMENT 12148 ALBION VAUGHAN RD.
. DWGS IPTION L-PP-M D-07L- D-07L- D-25L-/ D-25L-/ D-25L-/ IACENT SUI RES CTILE WALK RFACE NCRETE PA	A1.1 SC	ALE: 1:25 DCC-DV OCRI-IL OCRI-IL OCRI-IL OCRI-IL OCRI OCRI-IL OCRI OCRI CONDO UNITS PARKING PARKING PARKING REQUIRED CUIRED CUIR	NEL S NEL S S S S S S S S S S S S S S S S S S S	CREEI	E SLAB	TS L 0 0	LF .900 .880 .880 .930 .930 .930 .930 .930 .930 .930 .93	LUM. I 963 4167 5050 6889 1633 2156 ITS ITS ICS ICS ICS ICS ICS ICS ICS ICS ICS IC	463.750 TOTAL			-FREE PROI EXIS PROI MAN DRIV FENC SIGN GRO REFE WAL FIRE SIGN GRO REFE WAL SIGN GRO REFE WAL	SUITE	LEGEN NEW NEW RADE CATC C	ID GRADE H BASI ANCES DCATIC CATIC AREA DUND A DUND A GEND TYP. AC TYPE B CATE LEVEL	NS DNS CHEDU N REA	ARKING SP	ACE	NO. DESCRIPTION DATE REVISIONS ISSUED FOR CONSTRUCTION ISSUED FOR BID ISSUED FOR BUILDING PERMIT ISSUED FOR SITE PLAN APPROVAL SUBMITTALS CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT AND CONDITIONS ON THE PROJECT AND MUST REPORT PROCEEDING WITH CONSTRUCTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY THE DESIGNER. DO NOT SCALE DRAWINGS. FALUSTO CORRTEESE A R C H I T E C T S SPOR RUTHERFORD RD. UNIT 7 VAUGHAN, ONTARIO, L4H 3TB 416-806-7000 FCORTESE@FCARCHITECTS.CA DRAWING: PROPOSED MIX-USE CONDO DEVELOPMENT ON 12148 ALBION VAUGHAN RD. BOLTON TOWN OF CALEDON DRAWING: SITE PLAN - MASTER PLAN PLOTTED: N/A

Palmer.

Appendix B

Borehole Logs (Borehole Logs (Palmer, 2020 & Davroc, 2020)

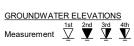
				RE	COF	RD C	F BC	REHOLE No BH20-1 METRIC 1	OF						
								Location Plan (UTM 17T) ORIGINATED BYAL							
	HWY														
DATU	M Geodetic	DAT	Е_			Aug	-17-2020								
	SOIL PROFILE		s	SAMPL	ES	R.	ALE .	PLASTIC NATURAL LIQUID	RK						
<u>ELEV</u> DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	ТҮРЕ	"N" VALUES		ELEVATION SCALE	20 40 60 80 100 Content <	I SIZ BUTI						
0.0	Ground Surface TOPSOIL:						Ξ	20 40 60 80 100 10 20 30 Y GR SA	SI						
0.2		<u><u>x</u> 1_x.</u>	1	SS	16										
0.7	Clayey Silt Till: some sand, trace gravel, occ. cobbles and boulders, contains sand and silt seams		2	SS	17										
			3	ss	19										
			4	SS	26										
			5	SS	28										
	turns from brown to grey														
			6	SS	19										
<u>.</u>															
			7	SS	17										
6.7	END OF BOREHOLE Notes: Upon completion of drilling, a 50mm diameter monitoring well was installed in the borehole. The well was completed with a stick up casing. Well Installation Details: Bentonite: 0.0-2.4 m Sand: 3.0 - 6.7 m														
									160						





				RE	COR	D OF	BO	REHOLE	No E	3H20)-2					ME	TF	RIC	1 OF 1	
W.P.														ORIGINATED BYAL						
DIST	HWY	BOR	REHC	DLE TY	′PE _	Hollow	Stem A	uger								COM	PILE	D B)	′AL	
DATU	JM Geodetic	DAT	Ε_			Aug-1	7-2020									CHECKED BY				
	SOIL PROFILE		S	SAMPL	ES	ER	ALE	DYNAMIC CO RESISTANCE	NE PE PLOT		RATION PLASTIC NATURAL					LIQUID		NΤ	REMARKS	
<u>ELEV</u> DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	ТҮРЕ	'N" VALUES	GROUND WATER CONDITIONS	ELEVATION SCALE	20 4 SHEAR STF O UNCONF O QUICK TF	RENG [®] INED	TH kP	FIELD \	0 /ANE	W _P	CON V		LIQUID LIMIT W _L T (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (KN/m ³)	& GRAIN SIZE DISTRIBUTION (%)	
0.0	Ground Surface TOPSOIL:	. <u>*, 1</u> *. N			-	G	Ц			0 8			1) 2	0 3	80	γ		GR SA SI CL	
0.0 0.2 			1	SS	5															
- - - - - -			2	SS	5															
- 1.5 - - - - -	Clayey Silt Till: some sand, trace gravel, occ. cobbles and boulders, contains sand and silt seams disturbed till		3	SS	6															
-			4	SS	26															
<u>3</u> - - - -		9.1.201.1.4	5	SS	38															
- - - - - -	turns from brown to grey																			
- _ 4.7 _ _ -	Silty Clay: grey, trace silt, moist		6	SS	16															
- - - - - -																				
-			-	<u> </u>	72/															
- 6.2 6.4	Clayey Silt Till: some sand, trace gravel, occ. cobbles and boulders, contains sand and silt seams END OF BOREHOLE Notes: Upon completion of drilling, a 50mm diameter monitoring well was installed in the borehole. The well was completed with a stick up casing. Well Installation Details: Bentonite: 0.0-2.4 m Sand: 2.7 e 6.7 m Screen: 3.3 - 6.4 m		7	SS	0.18 <u>m</u>															

				RE	COR	RD OF	BO	REHOLE	Nol	BH20)-3					ME	TR	RIC	1 OF
W.P.		LOC	ATIC	DN _		See Bo	orehole	Location Plan	UTM 1	7T)						ORIC	SINA	TED	BY <u>AL</u>
DIST	HWY	BOR	REHC	DLE TY	PE .	Hollow	Stem A	Auger									IPILE	D B	AL
DATU	IM Geodetic	DAT	Ε			Aug-1	7-2020	to Aug-17-20	20							CHE	CKEI	D BY	
	SOIL PROFILE		5	SAMPL	ES	н	LE	DYNAMIC CORESISTANC	C CONE PENETRATION						ASTIC NATURAL LIQUIE			F	REMARKS
<u>ELEV</u> DEPTH	DESCRIPTION	STRAT PLOT	NUMBER	ТҮРЕ	'N" VALUES	GROUND WATER CONDITIONS	ELEVATION SCALE	20 SHEAR ST O UNCONI	RENG	TH kP	FIELD	VANE	W _P	CON		LIQUID LIMIT W _L T (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m ³)	& GRAIN SIZE DISTRIBUTIO (%)
	Ground Surface				f	5	ELE			80 8						30	γ	2	GR SA SI (
0.0 0.1 	TOPSOIL: FILL: brown sitty sand, some gravel, containts rootlets	<u>X X</u>	1	SS	5														
	Clayey Silt Till: some sand, trace gravel, occ. cobbles and boulders, contains sand and silt seams		2	SS	24														
- - - - - -			3	SS	22														
-		0.1.1.0	4	SS	33														
<u>3</u> - - - -			5	SS	44														
- - - - - - -	turns from brown to grey																		
- - - - - -			6	SS	15														
- - - - -																			
- - - - - - 6.7	END OF BOREHOLE		7	SS	27														
0. /	Notes: Upon completion of drilling, a 50mm diameter monitoring well was installed in the borehole. The well was completed with a stick up casing. Well Installation Details: Bentonite: 0.0-2.4 m Sand: 3.0 - 6.7 m Screen: 3.6 - 6.7 m																		



		AVF	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792					В	OREI	HOI	LE NUMBER BH 1
CLIEN	T Faus	sto Cor	tese Architects (FCA)	_	PR	OJECT N	AME	Condom	inium		
			L20-0711MT			OJECT L	OCAT	ON 121	48 Albior	n Vau	ghan Rd
DATE	STARTE	D (dd/	mm/yy) _27-11-20	0	ROU	ND ELEV	ATION	99.45	n	HOL	E SIZE 0.15
			TORTri-Phase Group								
			Hollow stem auger			AT TIME (Drv. N	lov 27	2020
			CHECKED BY GW			T END O					
	S CME			-		AFTER DI					
DEPTH (m)	ELEV DEPTH 99.45	APHIC .0G	MATERIAL DESCRIPTION	_	WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE		DRY UNIT WT. (Mg/m ³)	▲ N - Value (Blows/305mm) ▲ 20 40 60 80 PL MC LL 20 40 60 80 □ FINES CONTENT (%) □ 20 40 60 80
0.4	99.20 0.20		TOPSOIL -Blackish Brown	Г			54	6			
- 0.8 -			-Organics				02	20	_		
1.2	1		-Grass -Rootlets				93	36	_	-	● 36本
2.0	1		-Seams -Trace Sand				100	35			●35▲
2.4	<u>97.16</u> 2.29	*** *	FILL	ן ר		X SS	100	42	300		42
2.8	-		-Clayey Silt -Brown to Gray				100	42	500		***
3.6	1	$\langle \rangle \rangle$	-Rootlets -Seams				100	40			40
4.0			-Oxidation				1				
4.4			-Trace Gravel -Layered at Depth								
4.8		$\langle \rangle \rangle$	CLAYEY SILT	1			100	32	450		• 32
5.6	1		-Brown to Gray -Oxidation			()	1				
6.0	-		-Some Gravel -Trace Sand								
- 6.4 6.8		$\langle \rangle \rangle$	-High Clay Content at Depth -Dense to Compact				100	36			
7.2			-Dense to Compact								
7.6						1 00					
8.0		$\langle \rangle \rangle$					100	17	200		174
8.4											
9.2	90.30			_		1.00			_		
9.6	9.15		SILT -Gray				100	86			86
10.0			-Layered -Some Clay at Depth							•••	
10.4	1		-Wet at Depth			X SS	100		_		
11.2	1		-Very Dense to Dense			ASS10	100	45	_		45
11.6											·····
12.0	87.25			_		1.00			_		
12.8	12.20		CLAY -Gray			X_{SS11}	100	54	_		54
13.2			-Some Silt -Sand and Gravel layer at depth 13.7 to 14. 2m							1	·····
13.6	-		-Spoon Refusal at depth 15.5m			⊠ ss	70		_		
14.0	1		-Hard				78	60	_		<u> </u>
14.8	-										
15.2	000000000000000000000000000000000000000					🖂 ss	100	50+	-		500/ 130mm
- 15.0	83.75 15.70		Bottom of hole at 15.70 m.			SS13					
i.	15.70										
ŝ											
L C											
010											

		AVF	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792					BC	RE	HOI	LE NUMBER BH 2
CLIEN	T Faus	to Cor	tese Architects (FCA)		PR	OJECT N	AME	Condomin	ium		
PROJ	ECTNUN	IBER	L20-0711MT		PR	OJECT L	OCAT	ON 12148	B Albior	n Vau	ghan Rd
DATE	STARTE	D (dd/	mm/yy) _24-11-20 COMPLETED	_ (GROU	ND ELEV	ΑΤΙΟΝ	_98.84 m		HOL	E SIZE 0.15
			TOR Tri-Phase Group								
			Hollow stem auger			AT TIME (OF DR	ILLING	Snow	& Dry	r, Nov 24, 2020
LOGG	ED BY	SR	CHECKED BY GW		4	AT END O	F DRIL	LING	Wet, N	ov 24	, 2020
NOTE	S _CME	55TT	Truck			AFTER DI	RILLIN	G			
DEPTH (m)	ELEV DEPTH 98.84	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m ³)	▲ N - Value (Blows/305mm) ▲ 20 40 60 80 PL MC LL 40 60 80 □ FINES CONTENT (%) □ 20 40 60 80
0.4	980.00		TOPSOIL -Brown	Γ			78	10			04
- 0.8 - 1.2			-Organics			X SS	100	14	-		14
1.6	97.32		-Seams -Sand and Gravel			ASS2	100	14			
2.0	1.52	$\langle \rangle \rangle$	FILL -Silty Clay	_			100	26	400		2 6 A
2.4 _			-Brown			X SS	100	47	450		
3.2			-Trace Gravel -Oxidation			SS4					
3.6			CLAYEY SILT -Brown to Gray				100	48	450		48
4.0		11	-Oxidation								
4.4			-Trace Gravel -Spoon refusal at 7.8m			1.00		-	4		······ §/·····
5.2		\square	-Dense to Compact to Very Dense				0	17		-	174
5.6				•							
6.0 6.4		$\langle \rangle \rangle$				1 99					
6.8							65	18	300		
7.2		//									
- 7.6 - 8.0		$\langle \rangle \rangle$				≍ ss	0	50+	-		500 130mm
8.4						SS8			1	1	
8.8		\square									
9.2	89.64 9.20	114	SAND			X SS	100	65			65
10.0	9.20		-Gray				100				
10.4			-Some Clay -Sand at depth 9.2 to 9.6m and 12.2 to 12.7m								
10.8			-Fine Sand at depth 10.7 to 11.1m -Wet at Depth			SS	93	89	1		89
11.2			-Very Dense to Compact						1		
12.0											
12.4	86.14						89	14	1		14
12.8	12.70	11/	CLAYEY SILT			SS11			1		
13.6		$\langle \rangle \rangle$	-Gray -Trace Sand								
14.0			-Very Dense			SS SS12	100	81	400	ŝ	814
14.4		111				< <u>≤</u> \ <u>SS12</u>					····· · · · · · · · · · · · · · · · ·
15.2											
_ 15.6 _	83.14	ID					100	92	400		92
	15.70		Bottom of hole at 15.70 m.			20.0					
5											<i>c</i>
1010											

		AVF	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792					BC	DRE	HO	LE NUMBER BH 3
CLIE	NT Faus	to Cor	tese Architects (FCA)		PR	OJECT N		Condomii	nium		
			L20-0711MT		PR	OJECT L	OCATI	ON 1214	8 Albio	n Vau	ghan Rd
DATE	STARTE	D (dd/i	mm/yy) _25-11-20 COMPLETED		ROU	ND ELEV	ATION	99.28 m		HOL	E SIZE _ 0.15
			TORTri-Phase Group								
			Hollow stem auger				of Dri	LLING	- Snow	& Dry	r, Nov 25, 2020
LOG	GED BY	SR	CHECKED BY _ GW		A	T END C	F DRIL	LING	Wet, N	ov 25	, 2020
			Truck		1	AFTER D	RILLIN	G			
DEPTH (m)	ELEV DEPTH 99.28	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m ³)	
0.4			TOPSOIL	Γ		X SS	78	13			20 40 60 80 13▲ : ● : : :
0.8	_		-Brown -Organics	/		$\propto ss_1$	65	20	-		20
1.6	97.76		-Sand and Gravel FILL			Ass2	05	20	-		
2.0	-	$\langle \rangle \rangle$	-Clayey Silt -Brown				100	27			6 27 A
2.4	-		-Some Gravel			X SS	100	30	-		● 30▲
3.2		$\langle D \rangle$	-Oxidation CLAYEY SILT]		SS4			-		
3.6			-Brown to Gray -Oxidation				100	38	400		38
4.0	-	$\langle \rangle \rangle$	-Seams								
4.8	1	1D	-Trace Gravel -High Clay Content at Depth			X ss					
5.2	1		-Compact			A SS6	83	25	450		25
- 5.6		//									
6.0 6.4	1					X SS	100		200		
6.8	<u>92.68</u> 6.60		SILT & SAND			A SS7	100	20	300		
7.2	0.00		-Brown to Grav								
7.6	-		-Silt at depth 7.6 to 8.1m and 12.2 to 12.7m -Sand at depth 9.2 to 11.1m			V SS	93	71	-		71
8.4	1		-Shale Fragments -Some Clay at Depth			A SS8	93		-		
8.8			-Wet at Depth								
9.2	-		-Auger refusal at depth 12.8m -Very Dense			X SS	100	84	-		84
9.6 10.0						Ass9	100	04	-		
10.4	1										
10.8	-					X SS	89	85	-		85
11.2	1					SS10			1		/
12.0	1									<u>.</u>	
12.4	00.40					SS SS	100	50+			5 0 +/ 130mm▲
12.8	86.48 12.80	<u>r 4111</u>	Bottom of hole at 12.80 m.			SS11	1				0 0 0 0 0
GEOTECH BH PLOTS L20-0711-12148 ALBION VAUCHAR RD, GD 2-1 9.6 10.0 10.7 11.7 12											
GE											

		DAVF	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792					BC	DRE	HO	LE NUMBER BH 4
CLIEN	T Fau	sto Cor	tese Architects (FCA)		PF	OJECTN		Condomi	nium		6
PROJ	ECT NU	MBER .	L20-0711MT		PF	OJECT L	ОСАТІ	ON 1214	8 Albio	n Vau	ghan Rd
			mm/yy) <u>11-12-20</u> COMPLETED						n	HOL	.E SIZE
			TOR Tri-Phase Group	_ (GROU	ND WATE	R LEV	ELS:			
			Solid Stem Auger					LLING			
			CHECKED BY _ GW		,	AT END O	F DRIL	LING	Wet, D	ec 11	, 2020
NOTE	S _CME	55 Tru	ick			AFTER DI	RILLIN	G			
DEPTH (m)	ELEV DEPTH	GRAPHIC LOG	MATERIAL DESCRIPTION	a	WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE	POCKET PEN. (kPa)	 DRY UNIT WT. (Mg/m³) 	▲ N - Value (Blows/305mm) ▲ 20 40 60 80 PL MC LL 20 40 60 80 □ FINES CONTENT (%) □ 20 40 60 80
0.4	99.96 0.20	1 KAY	TOPSOIL -Blackish Brown -Organics	\int			61	8			8 🛧 . 鱼
1.2			-Grass				89	9	-		9 人 🔍
2.0	1.52		FILL -Silty Clay	Γ	1	SS SS3	100	22	450		22
2.4	-		-Brown -Some Gravel -Some Sand			V SS	100	44	450		443
3.2		$\langle \rangle \rangle$	CLAYEY SILT								
3.6		1D	-Brown -Oxidation				100	55	450		● 55 ▲
4.0		$\langle \rangle \rangle$	-Seams -Trace Gravel								
4.8	95.58		-Compact to Dense to Very Dense			X SS	100	27	400		
- 5.2	1.07		CLAY -Gray				100	21	400		$\overline{\mathbf{A}}$
_ 5.6 _ 6.0			-Seams -Trace Gravel								
6.4	93.55		-Very Stiff to Hard			X SS	100	44	-		
6.8 7.2	6.60		SAND -Brown		1						······ = ····· = ·····
7.6			-Some Silt								
8.0	-		-Wet -Very Dense				100	50+	7		●50+/ 130mm▲
8.4											
9.2	1					-					
9.6	90.55		Bottom of hole at 9.60 m.			SS9	100	51			● 51▲
	9.60		Bottom of hole at 9.60 m.								
											×.
											12
2											

		AVF	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792				BC	DRE	HOI	LE NUMBER BH 5
CLIEN	T Faus	to Cor	tese Architects (FCA)	_ F	PROJECT N	AME	Condomir	nium		
			L20-0711MT		PROJECT L	OCATI	ON 1214	8 Albio	n Vau	ghan Rd
DATE	STARTE	D (dd/r	nm/yy) <u>11-12-20</u> COMPLETED	_ GRO	UND ELEV	ATION	100.18 r	n	HOL	E SIZE
			TORTri-Phase Group							
DRILL	ING MET	HOD	Solid Stem Auger	_	AT TIME (of Dri	LLING	- Dry, D	Dec 11	, 2020
LOGO	ED BY	SR	CHECKED BY GW		AT END O	F DRIL	LING	Wet, D	ec 11	, 2020
NOTE	S CME	55 Tru	ick	-	AFTER D	RILLIN	G			
DEPTH (m)	ELEV DEPTH	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE	POCKET PEN. (kPa)	DRY UNIT WT: (Mg/m ³)	▲ N - Value (Blows/305mm) ▲ 20 40 60 80 PL MC LL 20 40 60 80 □ FINES CONTENT (%) □
0.4	100.18	XXXX	TOPSOIL		V SS	54	12		-	20 40 60 80
0.8	0.20		-Blackish Brown -Organics							
1.2	98.66		-Grass -Rootlets			93	20	_		
2.0	1.52		FILL		SS SS3	100	34	400	1	● 34▲
2.4]	$\langle \rangle \rangle$	-Silty Clay -Brown		X SS	100	52	450	-	53
2.8 - 3.2		$\langle D \rangle$	-High Sand Content at depth -Seams		SS4	100	53	450		53
3.6		//	CLAYEY SILT	•		100	54	450		54
4.0			-Brown -Oxidation						-	/
- ^{4.4} - 4.8	95.61		-Seams -Trace Gravel	_						
5.2	4.57		-Dense to Very Dense			100	24	400		
5.6]		CLAY -Gray							
6.0 6.4			-Seams -Trace Gravel		1.00			_	4	
6.8	93.58		-Very Stiff	_		100	20	200	-	
7.2	6.60		SAND -Brown						2	
7.6 8.0			-Some Silt -Some Clay at Depth		V SS	100	79	-		● 79▲
8.4			-Wet			100	79	-		
			-Very Dense							······
9.2					V SS	100	78	-		78
9.6						100	10	-		· · · · · · · · · · · · · · · · · · ·
10.4									1	
_ 10.8 _	89.08				🖂 ss	100	50+			- 50+/ 130mm
	11.10		Bottom of hole at 11.10 m.		SS10					
8.8 9.2 9.6 10.0 10.4 10.8										

		DAVI	DAVROC Unit 21, 2051 Williams Parkway Brampton, Ontario, L6Y-3R9 Telephone:(905)792-7792					B	ORE	HO	LE NUMBER BH (
CLIEN	T Faus	sto Cor	tese Architects (FCA)		PR	OJECTN		Condor	ninium		
			L20-0711MT						148 Albio	n Vau	ohan Rd
DATE	STARTE	D (dd/	mm/yy) _27-11-20								
DRILL	ING CON	NTRAC	TORTri-Phase Group	_ GR				FI S.	5111	HOL	<u> </u>
			Solid Stem Auger	_ 0.					Dry, N	lov 27	2020
			CHECKED BYGW						Wet, N		
	S _CME					AFTER D			Wet, IV	0121	, 2020
DEPTH (m)	ELEV DEPTH	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	N VALUE	POCKET PEN. (kPa)	DRY UNIT WT. • (Mg/m ³)	AND 2012 100 100 100 100 100 100 100 100 10
	100.00 0.20		TOPSOIL	Г		X SS	100	18			20 40 60 80
0.8	0.20		-Blackish Brown -Organics							i.	
1.2	98.86		-Grass -Rootlets				100	14			14
2.0	1.52		FILL			SS SS3	100	25	400		65
2.4		$\langle \rangle \rangle$	-Clayey Silt -Brown			X SS	100		150	1	
2.8 _		1D	-Trace Gravel -Seams			ASS4	100	43	450	-	• 43
3.6			-Oxidation			SS SS5	100	52	450	1	52
4.0			CLAYEY SILT -Brown to Gray	•		-\335	1			T	
4.4 _			-Oxidation								
4.8	95.35		-Trace Gravel -Seams			X SS	100	25	300	1	
5.2	5.03		-High Clay Content at Depth -Compact to Dense to Compact	\square							·····
6.0			CLAY								
6.4			-Gray			X ss	100	27	_		
6.8			-Trace Sand -Shale Fragments at Depth 8m -Very Stiff to Hard						-		
7.2			-Very Stiff to Hard								
8.0	92.28					V SS	89	90	100		● 90▲
8.4	8.10		SAND	-			0.5		100		50
8.8	0110		-Brown -Trace Gravel								
9.2			-Some Clay		1	🖂 ss	100	50+			5 0 -/ 130mm
9.6 _			-Wet -Very Dense to Dense			SS9					
10.4											
10.8						X ss	100	49	_		49
	89.28 11.10		Bottom of hole at 11.10 m.				100	49			
	11.10			•							
									•		

Appendix C Grain Size Analysis (ALS, 2020)

