

May 10, 2019

Ms. Brittany Robertson, P.Eng.
C.F. Crozier & Associates
40 Huron Street
Suite 301
Collingwood, ON
L9Y 4R3

**Wilson
Associates**

Consulting Hydrogeologists

Dear Ms. Robertson:

Re: Update of Subsurface Characterization Program
Follow-Up Watertable Observations
Proposed Long Point Road Subdivision, Blue Mountains

It is proposed to develop a ±22-lot urban residential subdivision on a ±2.2ha parcel of land located within Part of Lots 20 and 21, Concession 1, Geographic Township of Collingwood, Town of Blue Mountains (Plan 529, Part Lot 85, RP16R2186, Parts 4, 5, 8 & 9).

A subsurface investigation was completed to identify the seasonal high watertable level, the soil profile and the bedrock surface level, and was conducted through the installation of three exploratory boreholes/monitoring wells on June 7, 2018. The results of the 2018 investigation are summarized in the Wilson Associates Report dated July 6, 2018. Figure 1 (attached) shows the location of the site, borehole locations and inferred direction of shallow groundwater flow in June 2018.

To address concerns from the Municipality regarding the characterization of the high watertable surface, two additional sets of water level observations were undertaken December 13, 2018 (after a wet autumn period) and April 10, 2019 (immediately after final snowmelt).

The following table summarizes all water level observations to date.

		BH1	BH2	BH3
Approximate Ground Surface Elevation* (m above sea level)		179.8	180.1	180.7
Approximate Top of Casing Elevation* (m above sea level)		180.78	180.99	181.79
June 28, 2018	Water Level (m below grade)	0.68	0.58	0.81
	Approximate Water Level Elevation* (m above sea level)	179.12	179.52	179.89
December 13, 2018	Water Level (m below grade)	0.16	0.59	0.13
	Approximate Water Level Elevation* (m above sea level)	179.64	179.51	180.57

April 10, 2019	Water Level (m below grade)	0.05	0.43	0.03
	Approximate Water Level Elevation* (m above sea level)	179.75	179.67	180.67

Note: * Ground surface elevation is approximate, and was derived from survey mapping provided by C.F. Crozier & Associates for the property.

As indicated in the July 6, 2018 Report, it was anticipated that high spring water levels will be at or near current grade. The above monitoring data are consistent with this opinion.

Should you have any questions or require further detail, please do not hesitate to contact this office.

Yours sincerely,

IAN D. WILSON ASSOCIATES LIMITED


Geoffrey Rether, P. Geo.



Legend

- Parcels
- Large Scale Roads
- Provincial Highway
- County Road
- Township Road
- Seasonal Road

APPROXIMATE LOCATIONS OF EXPLORATORY BOREHOLES, APPROXIMATE (see report) CONTOURS OF THE WATERTABLE SURFACE ON JUNE 28, 2018, AND APPROXIMATE (see report) INFERRED DIRECTION OF SHALLOW GROUNDWATER FLOW

LONG POINT ROAD SUBDIVISION

FIGURE 1

SCALE: AS SHOWN

Notes



0.08 Kilometers
 0.04
 0

This map is a user generated static output from an internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

Printed: May 22, 2018

THIS MAP IS NOT TO BE USED FOR NAVIGATION