

July 22, 2020

PML Ref.: 19CF012
Report: 3

Ms. Tammy Abbotts
P.O. Box 31
Singhampton, Ontario
N0C 1M0

Dear Ms. Abbotts

Ground Water Level Monitoring
Proposed Abbotts Residential Development
Lansdowne Street
Thornbury, Ontario

Further to our geotechnical Report 1 dated, October 16, 2019 and MEO Guideline D-4 Assessment Report 2, dated November 11, 2019, Peto MacCallum Ltd. (PML) herein provides a summary of ground water level monitoring results.

In accordance with the Terms of Reference, the ground water levels within the monitoring wells installed in the boreholes during the initial investigation (Boreholes 2, 3, 5) were to be monitored monthly for twelve months after installation. Details of the monitoring well installations were presented in the geotechnical reports along with readings from the first months.

Table 1, attached, provides the ground water levels for the entire twelve-month monitoring period. The stabilized ground water level ranged from 1.5 to 3.2 m below existing grade (elevation 180.1 to 177.8). It is noted the highest water levels typically occurred in April of 2020.

In accordance with O.Reg. 903, the wells are property of the Owner and will have to be decommissioned if no longer required. PML would be pleased to assist in this regard.

We trust this report is complete within our Terms of Reference. Please do not hesitate to call if you have any questions.

Sincerely

Peto MacCallum Ltd.



Geoffrey R. White, P.Eng.
Director
Manager, Geotechnical Services

GRW:tc

Enclosure(s):
Table 1: Ground Water Level Measurements

Distribution:
1 cc: Client (email only)
1 cc: C.F. Crozier & Associates Inc. (email only)
1 cc: PML Barrie



GROUND WATER LEVEL MEASUREMENTS

TABLE 1

Borehole	Borehole Ground Surface Elevation	Depth of Water Below Surface (m) / Elevation											
		Date											
		2019-08-23	2019-09-10	2019-10-21	2019-11-11	2019-12-04	2020-01-06	2020-02-20	2020-03-03	2020-04-13	2020-05-15	2020-06-23	2020-07-10
2	181.00	2.8 / 178.2	2.9 / 178.1	3.2 / 177.8	2.7 / 178.3	2.8 / 178.2	1.6 / 179.4	1.8 / 179.2	1.7 / 179.3	1.5 / 179.5	1.8 / 179.2	2.3 / 178.7	2.6 / 178.4
3	180.85	2.4 / 178.5	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.3 / 178.6	2.4 / 178.5
5	181.65	2.7 / 179.0	2.7 / 179.0	3.0 / 178.7	2.3 / 179.4	1.9 / 179.8	1.8 / 179.9	1.9 / 179.8	1.9 / 179.8	1.6 / 180.1	2.0 / 179.7	2.2 / 179.5	2.5 / 179.2