

re: **Response to City of Ottawa Comments**  
**Proposed High-Rise Building**  
**1330 Carling Avenue - Ottawa**

to: Fotenn - Ms. Bria Aird - [Aird@fotenn.com](mailto:Aird@fotenn.com)

date: August 27, 2020

file: PG5157-MEMO.01

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As requested, Paterson Group (Paterson) prepared the current memorandum to provide geotechnical responses to city comments regarding the proposed high rise development to be constructed at the aforementioned site. This memorandum should be read in conjunction with Paterson Report PG5157-1 dated February 27, 2020.

## Geotechnical Comments

**Item B11:** *Provide Limitations of soil conditions for tree restrictions for the proposed development.*

**Response:** The subsurface profile encountered during our geotechnical investigation consisted of fill consisting of silty sand with gravel and cobbles over glacial till. The glacial till was observed to comprise of silty sand with gravel, cobbles and boulders followed by limestone bedrock. One borehole (BH 5) located outside of the building's footprint was observed to contain a thin layer of hard to very stiff silty clay.

The proposed building will host 2 underground levels. The underside of footing elevation of the proposed footings is expected to be well below the silty clay deposit. Therefore, due to the depth of the proposed footings along with the absence of silty clay below the proposed footings, no tree planting restrictions are required for the subject site, from a geotechnical perspective.

We trust that the current submission meets your immediate requirements.

**Paterson Group Inc.**



Faisal I. Abou-Seido, P.Eng.



**Paterson Group Inc.**

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Mr. Lance Erion

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