PATERSON GROUP

memorandum

re: **Geotechnical Response to City Comments**
Proposed Building
1300 Michael Street - Ottawa

to: St. Laurent Volvo - **Mr. John Mierins** -
Q9 Planning & Design – chrisine@q9planning.com

date: July 11, 2022

file: PG5707-MEMO.01

Further to your request, Paterson Group (Paterson) prepared the current memorandum to address the geotechnical-related review comments in the letter provided by the City of Ottawa, dated February 23, 2022. This memorandum should be read in conjunction with the Geotechnical Investigation Report (Paterson Group Report PG5707-1, Revision 1, dated July 11, 2022).

Comments – Geotechnical Investigation

Comment X: *Section 2.0 says that a single storey structure is proposed for development, however, the servicing report and supporting architectural drawings specify a two-storey structure. Revise the report(s) as required.*

Response: The geotechnical report has been revised accordingly. Please refer to our geotechnical report PG5707-1, Revision 1 dated July 11, 2022.

Comment X: *Please confirm the soil infiltration rate at the site and include a section in the geotechnical report that is in support of the permeable pavement installation proposed at the site. Confirm separation of groundwater from infiltration sources.*

Response: Based on the proposed permeable pavement details there is sufficient separation (ie.- greater than 1 m) between the permeable pavement subgrade and the seasonal high groundwater table. Based on the investigation findings, the subgrade soil in this area will consist of a brown silty sand fill with crushed stone and gravel. It is expected that the fill materials will have an infiltration rate between 20 and 25 mm/hr, which is considered to be suitable for the proposed permeable paver system.

We trust that this information satisfies your immediate requirements.

Best Regards,

Paterson Group Inc.

July 18, 2022

Sok Kim. B.Eng.

David J. Gilbert, P.Eng.