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August 21, 2019
Report: PG4720-LET.02 Revision 1

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Subject: **Response to City Comments
Proposed Residential Building
89 Richmond Road - Ottawa**

Dear Madam,

Further to your request and authorization, Paterson Group (Paterson) prepared the current letter report to summarize our response to city comments. The following letter should be read in conjunction with Paterson Report PG4720-2 dated November 23, 2019.

City Comment 1

Geotechnical Investigation Report should speak to the underground stormwater storage system (cistern) proposed in respect to bearing capacity, foundation walls etc. We are currently unaware of the proposed cistern location and its construction details. Please obtain this information from the Mechanical and Civil Designers and revise accordingly.

Paterson Response

The proposed development will have one (1) basement level that will be founded on a dense glacial till layer. The proposed cistern will be located in the southeast corner of the subject site, on the exterior of the proposed building. The loading of the cistern will be less than the excavated soil to accommodate the basement level and, therefore, will not produce any further settlements. The load of the cistern will not affect the foundation or foundation walls which will be founded on the bedrock. The long term groundwater level is anticipated to be below the slab of the cistern. Therefore, there are no uplift concerns noted for the cistern. In conclusion, the cistern is expected to perform in a satisfactory manner from a geotechnical perspective.

Ms. Tanuja Vaidya
Page 2
File: PG4720-LET.02 Revision 1

We trust that this information satisfies your immediate request.

Best Regards,

Paterson Group Inc.



Stephanie A. Boisvenue, P.Eng.



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