



re: Responses to City Comments
Proposed Project X Development
99 Bill Leathem Drive, 2 & 20 Leikin Drive & 11 Beckstead Road - Ottawa, Ontario

to: Broccolini – **Mr. Russell Beach** – russell.beach@broccolini.com

date: January 15, 2025

file: PG5876-MEMO.06

Further to your request, Paterson Group (Paterson) prepared this memo to provide our response to the geotechnical-related comments in the letter from the City of Ottawa dated December 17, 2024 (File No. D07-12-24-0139). This memo should be read in conjunction with the current Geotechnical Investigation Report (No. PG5876-2 Revision 3 dated November 18, 2024).

Geotechnical Investigation Comments

Comment B3: *Is there any concern during excavation and bedrock? Is any blasting required during any kind of excavation for this development?*

Response: The excavation for the proposed building will extend approximately 1.5 m below the existing ground surface, and the excavation for the proposed sanitary trunk sewer realignment will extend about 10 m below the existing ground surface. Since bedrock is at an approximate depth of 20 m, there will be no blasting required during the excavation for this development. Accordingly, there are no concerns with this excavation.

Comment B4: *This development proposed existing sanitary trunk sewer realignment. Therefore, some deep excavation will be required through out the middle and southern portion of the site. The report should discuss some recommendation to support the geotechnical aspect (such as but not limited to clay soil, fill, bed rock, groundwater etc.) of the trunk sewer realignment and connection work.*

Response: Detailed recommendations for sloping and/or shoring the excavation for the sanitary trunk sewer realignment are provided in Section 6.3 of the current Geotechnical Investigation Report, referenced above. Recommendations for pipe bedding and backfill are provided in Section 6.4 of this report.

Comment B5: *Provide a separate memo providing a sign-off confirming that the grading plan and civil engineering design has respected the recommendations of the geotechnical report.*





Response: The Grading Plan Review is provided in the Paterson Group Memo PG5876-MEMO.07 dated January 15, 2025. In summary, lightweight fill is required under the proposed building's slab-on-grade. The lightweight fill details are provided on Drawing PG5876-G1, which is attached to the aforementioned memo and also included in Appendix 2 of the current Geotechnical Investigation Report, referenced above.

We trust that this information satisfies your immediate requirements.

Best Regards,

Paterson Group Inc.

Scott S. Dennis, P.Eng.

