

**re: Geotechnical Response to Pre-Consultation Meeting Minutes
Proposed Residential Development
Amberwood Village - 54 Springbrook Drive - Ottawa**

to: The Stirling Group - **Ms. Alison Stirling** - alison@thestirlinggroup.ca

date: June 24, 2020

file: PG5408-MEMO.01

Paterson Group (Paterson) prepared the current memo to provide our response to the geotechnical-related pre-consultation meeting minutes issued on November 28, 2019 and prepared by Mr. Mark Young at the City of Ottawa.

Engineering - Comment 5

Comment: *Geotechnical report, report needs to discuss recommendation for construction to avoid any impact on existing houses and 750 storm sewer during and after construction.*

Response: Section 5.2 of the Geotechnical Investigation Report (Paterson Group Report PG5408-1 dated June 22, 2020) provides recommendations to mitigate impacts on existing houses and the 750 mm storm sewer during and after construction.

Specifically, should blasting operations be considered to remove bedrock at the subject site, the report states that prior to considering blasting operations, the blasting effects on the existing services, buildings and other structures should be addressed. Further, a pre-blast or pre-construction survey of the existing structures located in proximity of the blasting operations, including the 750 mm storm sewer, should be conducted prior to commencing construction.

It is also recommended that vibration monitoring be conducted at adjacent structures, including the 750 mm storm sewer, should blasting be employed at the subject site. As a general guideline, peak particle velocity (measured at the structures) should not exceed 25 mm/s during the blasting program to reduce the risks of damage to the existing structures, including the 750 mm storm sewer

We trust that this information satisfies your immediate requirements.

Paterson Group Inc.



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