

to:	Salvation Army - Ms. Michaela Jones - Michaela_Jones@can.salvationarmy.org
re:	Geotechnical Response to City of Ottawa Comments Proposed Multi-Storey Buildings - 333 Montreal Road - Ottawa
date:	September 5, 2017
file:	PG3970-MEMO.01
from:	Colin Belcourt

Further to your request, Paterson Group (Paterson) reviewed the comments issued by the City of Ottawa for the proposed multi-storey buildings located at 333 Montreal Road. The present memorandum should be read in conjunction with Paterson Group Report PG3970-2 Revision 1 dated September 5, 2017. Our response is summarized below:

Geotechnical Report Comment 55 - Controlled Blasting

At this time, it is not known whether the excavation contractor will use controlled blasting or hoe-ramming to complete the required bedrock removal. However, based on Paterson’s review of the design underside of footing elevation with respect to the bedrock elevations encountered during the geotechnical investigation, it is anticipated that an approximately 1 to 2 m depth of bedrock removal will be required within the north portion of the west wing of the proposed building. Therefore, it is expected that the excavation contractor will use a hoe ram removal technique due to the limited portion of bedrock removal required.

Alternatively, if controlled blasting is the preferred method to complete the bedrock removal, refer to Subsection 5.2 of Report PG3970-2 Revision 1 dated September 5, 2017 for recommendations on bedrock removal, acceptable vibration levels and associated precautions for blasting operations.

Geotechnical Report Comment 56 - Permit to Take Water

A MOECC Category 3 permit to take water should be obtained by the owner prior to commencing construction. Our report has been revised to include this response in Subsection 6.5.

We trust that this information satisfies your requirements.

Best Regards,

Paterson Group Inc.



Colin Belcourt, M.Eng.



David J. Gilbert, P.Eng.