From: Kyle Richardson <krichardson@soil-mat.ca>
Sent: July 12, 2018 2:32 PM
To: Jack
Subject: RE: 2095 Prospect: Resubmission

Hi Jack, I too hope you are well. Based on the comment they are indicating issues with the drainage pit that was previously installed. This may not necessarily be an indication of a high groundwater level, but it could be issue with how the infiltration pit was designed and constructed. We had located our boreholes based on where we could access with drill equipment. The conditions encountered in the 3 boreholes at the rear were all consistent, consisting of generally compact sand overlying very stiff to hard clayey silt/sandy silt, with Queenston shale bedrock at depths of about 5 to 6 metres. This is consistent with our experience in the area, and information provided in published geology mapping, etc. Additionally, it is expected that we would be involved during the construction phase and if differing conditions were encountered during construction, this issue could be addressed at that time. The subsurface conditions would not be expected to change within the short distance from where we've advanced them and where the proposed building is. Based on this we feel sufficient information is present in our geotechnical investigation report for the proposed development.

The water level in the area would be expected to be on the order of perhaps 3 to 4 metres, perhaps shallower during wet periods of the year. Based on the development consisting of fairly typical townhouse structures it is not anticipated that excavations would be extending to these depths. As such if additional information is required, it may be most effective to advance a test pit to observe first hand how groundwater would affect construction activities, and proximity to the founding level of the proposed structures. This would also allow for confirmation of the subsurface soils in this area, in lieu of additional boreholes. Alternatively we may be able to use some restricted access drill equipment to install a monitoring well, as well as go in and advance some boreholes closer to the existing structures if required.

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