

Reference No.: T020846-A2

Ottawa, September 30, 2013

Ms. Monica Dashwood  
Director of Development  
Viva Retirement Communities  
3845 Bathurst Street, Suite 206  
Toronto, Ontario  
M3H 3N2

Subject: Five-Story Retirement Home  
Strandherd Drive and Tartan Drive  
Ottawa, Ontario

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Dear Ms. Dashwood:

Further to recent discussions and review of the grading plan of the site, we understand that there will be local areas where the grades will marginally exceed the recommended restriction on grade raise.

If grade raises are to exceed, then the typical treatment is to replace soil depth with light weight fill, which typically consists of lightweight blocks of extruded Styrofoam. There are various suppliers and different products, for which decisions can be made closer to construction. Generally soils weigh approximately 20kN/m<sup>3</sup> and the light weight fills have unit weights of 0.1 to 0.4 kN/m<sup>3</sup>.

It is recommended that to minimize or eliminate the loading on the deep underlying clay, the areas of grade raise may be treated with a blanket of light weight fill material equivalent to the depth of grade raise, i.e. 0.6 m of grade raise - replaced with 0.6 m of light weight fill.

The location and placement of the light weight fill may be anywhere above the excavation depth and details can be provided at a later date.



We trust that this report meets with your requirements. Please do not hesitate to contact us, should any questions arise.

INSPEC-SOL INC.

A handwritten signature in black ink, appearing to read "J. Bennett".

Joseph B. Bennett, P. Eng.  
Vice-President

JBB/vl

Copy via email: Ms. Monica Dashwood – ([monica@vivalife.ca](mailto:monica@vivalife.ca))  
C.c. Mr. Michael Loconte – ([Michael@vivalife.ca](mailto:Michael@vivalife.ca))