

11th April 2017

Our Ref: - 0088/AF

Your Ref: -

**Meriton
Level 11
528 Kent Street
Sydney 2000**

Attention: David Cremona**Dear Sir****Lighthouse, Pittwater Road, Dee Why**

Further to our recent discussion and our support at your meeting with the local council we confirm the following.

As you are aware this site lies in a paleo channel with complex interbedded soils to depth and that has made the modelling of the wall more challenging than would typically be the case.

The predicted wall movements have been realised in some areas and not in others, and while this is isn't cause for concern in the short term it does demonstrate that there is variability of performance verses the expected movements, and this is likely due to the variability of the soil and the change of the soils from undrained to drained conditions.

The high levels of rainfall that the site has experienced in the last few months and the corresponding change in water level/pressure means that the wall is being loaded cyclically and causing a ratcheting displacement. We have put mitigation measures in place to minimise these effects which are working well.

As is good construction practice we recommend that the floor slabs be cast as quickly as possible to reduce the stress in the wall system, in the permanent condition.

Yours faithfully
For and on behalf of
Keller Pty Ltd



Aron Frost
Regional Manager NSW/ACT/NZ

Encls:

CC:

