

Our Ref: L14136f

22 December 2017

Rahopara Farms  
[Jeremydillon24@gmail.com](mailto:Jeremydillon24@gmail.com)

Dear Jeremy,

**RE: REMEDIAL EARTHWORKS ON LOT 6 AT 1158 WERANUI ROAD, WAINUI**

Further to our Geotechnical Investigation Report referenced LMS14136 dated 9<sup>th</sup> August 2012 this office has observed remedial earthworks on Lot 6 of the Stage 2 subdivisional works at 1158 Weranui Road Wainui.

When referencing our earlier 2012 reporting the building platform at the time was referenced as Lot 5 however it has now been re-numbered as Lot 6 in the Stage 2 works.

The unsuitable non-engineered fill material located within the limits of the building site of Lot 6 have since been removed, dried, reworked and recompacted to an adequate engineering standard. We can confirm the remediated building platform on Lot 6 is now suitable for NZS 3604 type construction.

All standard strip and/or pad foundations should extend a minimum of 600mm below cleared ground level, following topsoil stripping and benching.

Alternatively, a reinforced stiffened raft or waffle raft type concrete floor slab could be used providing foundations are designed for Site Class M soils in accordance with AS2870:2011.

All standard concrete encased timber pile foundations should extend a minimum of 600mm (900mm for anchor piles) below cleared ground level.

All standard foundations should be designed for an ultimate bearing capacity of 300kPa with a strength reduction factor  $\phi$  of 0.5, therefore:

- a maximum dependable bearing pressure of 150kPa.
- a maximum allowable bearing pressure of 100kPa.

Should you wish to discuss any aspects of the above information, please contact this office.

We trust this meets with your approval.

Yours faithfully,  
**IAN HUTCHINSON CONSULTANTS LTD**

Prepared by



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**ENGINEER**

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**MANAGING DIRECTOR**