

Appendix 7: Geotechnical (Ian McCahon)

4415
30 March 2023

Selwyn District Council
PO Box 90
Rolleston

Attention: Jon Trewin,



Dear Jon,

**RE: Proposed District Plan
DPR-0097 Flock Hill Holdings Ltd
Castle Hill Alpine Resort Development, SH 73
Geotechnical Evidence Peer Review**

You have sent me the rebuttal evidence of Chris Thompson for comment.

As I understand the issue, the section 42A report considers that as the proposed FHSVZ would allow the untested eastern end of the site area to be built on, then additional information is required as to its geotechnical suitability.

Mr Thompson states that as the eastern end has similar geology and topography to the area that has been tested, then similar geotechnical conditions are expected. This can be confirmed with testing if and when future buildings are planned.

My peer review had assumed that the proposed buildings within the FHSVZ were to be located within the areas as indicated on the outline development plan, Appendix 1 of the evidence of Mr Smith, and were thus adequately covered by the two geotechnical reports. In an ideal world, one would prefer to have some test information on the eastern end. However, I agree with Mr Thompson that the geology, geomorphology and topography of the western and eastern ends are similar, and that the geotechnical conditions and natural hazard exposure will also be similar. Given that this is a zoning change request, not a subdivision, resource, or building consent application, I am satisfied that there is sufficient check at future development time to confirm the geotechnical conditions with further testing.

In my opinion, Mr Thompson's statement adequately meets the S42A request for further information.

Yours faithfully

Geotech Consulting Limited

A handwritten signature in dark ink, appearing to read 'I McCahon'.

Ian McCahon

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GEOLOGICAL & ENGINEERING SERVICES

4415
30 March 2023

Selwyn District Council
PO Box 90
Rolleston

Attention: Jon Trewin,



Dear Jon,

**RE: Proposed District Plan
DPR-0140 Keith Jenkins
Curve, Tramway & Waimakariri Gorge Roads, Waddington
Geotechnical Evidence Peer Review**

Geotech Consulting Ltd suggested in their review letter of 16 September 2022 that the submitter either be requested to supply an assessment of RMA sec 106 hazards, or that Mr Reed be asked to comment on this at the time he presents his evidence. Mr Mason of Fraser Thomas Ltd has responded in an email dated 6 March 2023. He has not supplied a hazard assessment, but has reiterated the overall conclusion of the geotechnical report that the site is geotechnically suitable, and that the report "includes recommendations which will appropriately avoid, remedy or mitigate potential geotechnical hazards".

As stated in the peer review letter, general knowledge of the area suggests that natural hazards will be non-existent or of tolerable level. Given this context, and that Fraser Thomas are responding specifically on the issue of natural hazard, we are willing to accept Fraser Thomas's confirmation of their statement as to the geotechnical suitability of the site as including natural hazard.

Yours faithfully
Geotech Consulting Limited

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Ian McCahon

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