

Jeremy Grey

From: MWH Hazards Team <MWHHazardsTeam@stantec.com>
Sent: Tuesday, 24 October 2017 02:12 p.m.
To: Jeremy Grey
Cc: MWH Hazards Team
Subject: SUB-2017-90 & LUC-2017-477 119 Edinburgh Street, Waikouaiti, 20 Rothesay Street Waikouaiti

Hello Jeremy

We have assessed the application in relation to the hazard register, street files and available aerial photography. We have not visited the site.

We have the following comments to make regarding the application.

Proposal

The proposed activity is to adjust existing boundary on three titles and the establishment of a new residential dwelling.

Site investigation reports have not been provided.

Plans for the proposal are provided within the application

Hazards

From the Hazard Register, street files, and previously sent emails; for both this title and nearby properties the following hazards have been identified:

- Hazard ID 10108 – Expansive Clays Waikouaiti

Global Setting

The underlying geology consists on Burnside mudstone.

Earthworks / Excavations / Retaining Structures

Earthworks are required to provide a level building platform. The application indicate that the works primarily will involve fill.

Discussion

There are no general potential instabilities of concern

The proposal will not create or exacerbate instabilities on this or adjacent properties

Advice

We recommend that advice be made to the effect:-

- The cases for seismic loading are normally addressed at building control stage.
- The Dunedin City Council Building Control Authority will ask for verification that the site is 'good ground' in accordance with NZS3604, Section 3.1.
- Underlying ground may include potentially expansive soils. Building Control may require specific engineering design to mitigate this load case.

Conditions

We recommend that the following conditions be required:-

- Where the long-term stability of other's land or structures may rely upon the continued stability of retaining works, the designer must confirm that the retaining structure can be safely demolished following a complete design life without creating hazards for neighbouring properties.
- Any earth fill over 0.6m thick supporting foundations must be specified and supervised by a suitably qualified person in accordance with NZS 4431-1989 Code of Practice for Earthfill for Residential Development
- Slopes may not be cut steeper than 1:1 (45°) without specific engineering design and construction

- Slopes may not be filled steeper than 2h:1v (27°) without specific engineering design and construction

Kind Regards

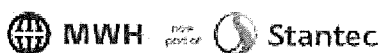
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Civil Engineer

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From: Jeremy Grey [<mailto:Jeremy.Grey@dcc.govt.nz>]

Sent: Monday, 25 September 2017 3:34 p.m.

To: Resource Consents WWS-BC Comments <resconsent.wwsbc-comments@dcc.govt.nz>; Grant Fisher <Grant.Fisher@dcc.govt.nz>; MWH Hazards Team <MWHHazardsTeam@stantec.com>

Subject: SUB-2017-90 AND LUC-2017-477 - Request for Comment

Hi All,

Please find attached my memo.

Regards,
Jeremy

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