

Lianne Darby

From: MWH Hazards Team <MWHHazardsTeam@stantec.com>
Sent: Friday, 13 July 2018 02:31 p.m.
To: Lucy Collins; MWH Hazards Team
Cc: Lianne Darby
Subject: RE: SUB-2018-63 - 90 Orokonui Road

Hello Lucy

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 subdivide the property at 90 Orokonui Road to create 11 lots. Some minor earthworks for 5 building platforms and demolition of two existing structures is expected.

Site investigation reports have been provided from Geosolve.

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

- Hazard ID 10106 – Land Stability (Land Movement) – Alluvial Fans (Active floodwater-dominated)

Global Setting

The underlying geology consists of Cossyrite Phonolite of the 3rd main eruptive phase.

The site is large and typically less than 12 degrees in slope with some localised steeper areas.

Earthworks / Excavations / Retaining Structures

No major earthworks or retaining structures are indicated as part of this application.

Discussion

The application has sought professional geotechnical advice for the proposed building platforms and site in general. This included a geotechnical investigation, slope stability assessment, and foundation recommendations.

We recommend that the application not be declined on the ground of known natural hazards.

There are no general potential instabilities of concern.

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

Conditions

We recommend that the following conditions be required:-

- All walls retaining over 1.5m, or a surcharge / slope, including terracing, require design, specification and supervision by appropriately qualified person/s
- 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
- All advice and recommendations provided in Geosolve's geotechnical report should be carried through as conditions on the applicant.

Regards,

Edward Guerreiro
BEng Civil (Hons)
Civil Engineer