

D. Katauskas

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5 March 2019
Ref: 581-A

Woodhouse & Danks Pty Ltd
Architects and Project Managers
Suite 207, Biztek, 20 Dale Street
Brookvale NSW 2100

Attention: Stephen Fayle

Dear Stephen,

Re: Geotechnical Assessment Update
Alterations and Additions to a dwelling
within a multi- dwelling housing development
Lot 2 SP 92761, 2/46 White Street
Balgowlah NSW
(DA 2019/0017)

I refer to Northern Beaches Council's correspondence dated 19 January 2019 regarding the above subject, and in particular to the following extract:

Area G4 –Description, Potential Hazards and Requirements

- i) The topography comprises Ridge crest, major spur slopes and dissected plateau areas. The natural slope of the land is typically less than 15 degrees with some local variations, particularly adjacent to areas of cut and fill. The geology of the land is generally shallow residual soils developed on Hawkesbury Sandstone. Sandstone is exposed in occasional outcrops and in near vertical road cuts and are some areas of fill.*
- ii) All developments should follow good engineering practice and geotechnical assessment may be required depending on location and nature of development and manmade cuts and fills.*
- iii) Residential footings are to be in accordance with AS2870.*
- iv) Potential hazards for this land include rock falls & minor slumping of soil and fill materials from top of unsupported cuts onto public and private pathways, roadways and building platforms. There is little to moderate typical consequences of failure involving damage of some or part of structures (for example, to a dwelling or roadway), with part of site requiring some stabilisation works. Large scale stabilisation works are unlikely to be required in Area G4.*

On 16 February 2019 I re-inspected the site and I provide the following update to my original Geotechnical Assessment of Risk Evaluation Report dated 28/10/11; Ref: 581.

- a. The comments, recommendations and conclusions presented in a report, Ref:581, remain unchanged.
- b. The constructed Artist Studio to Townhome 3, based upon my assessment, will have no material effect on the stability of the site or the immediately neighbouring properties.
- c. The Artist Studio is sited in sandstone excavation and forms part of the basement space to Townhome No 3. The massive sandstone outcrops surrounding the basement excavation are assessed to be stable, and therefore a VERY LOW RISK classification can be applied to the site.

If you have any queries regarding the above, please do not hesitate to call me.

Regards,



Don Katauskas