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SYDNEY NSW 2000

Project 35470.09  
15 October 2020  
Dem:pc

Attention: Mr Stephen Girdis

Sent by Email [stephen.girdis@gmail.com](mailto:stephen.girdis@gmail.com)

**Geotechnical Comment**  
**Section 4.55 Modification to Development Application**  
**967 Barrenjoey Road, Palm Beach**

Further to our previous report 35470.05.R.001.Rev0 dated 5 April 2016, Douglas Partners Pty Ltd (DP) has been asked to comment on the geotechnical issues relating to a Section 4.55 modification to the Development Application (DA No 272/16) for the above property.

Architectural drawings A-101, A-101A, A-102 to A-107 and A-112 (all dated 20-07-2020) by Blue Sky Building Designs have been provided for our review:

The drawings indicate that the proposed modifications to the design comprise the repositioning and rebuilding of the off street parking space, the driveway and the entry from Barrenjoey Road. A new parking structure would comprise a suspended platform, supported on piers into bedrock. Minor redesign of an approved retaining wall and landscaping works in the area is also proposed.


It is understood that the modifications are proposed because the project's structural engineer and builder have advised that the existing parking area is structurally unsound. DP has inspected the area and notes that there is vertical cracking within an existing brick wall that supports the parking area. We concur with the structural engineer and builder's view that significant underpinning or rebuilding of the brick wall would be required to safely permit excavation into the slope below the area.

Accordingly, based on our site inspection and the information provided to us, DP considers that (from a geotechnical perspective) the revised scope of site development depicted within the abovementioned drawings is feasible and does not require any changes to be made to our previous report. The comments relating to geotechnical risk and general recommendations for design that were previously provided in our report remain appropriate to the revised scope of development.

We trust that these comments are sufficient for your present requirements. If further assistance is required, please do not hesitate to contact the undersigned.

Yours faithfully

**Douglas Partners Pty Ltd**

  
**David Murray**  
Senior Associate

Reviewed by

  
**Fiona MacGregor**  
Principal