

Reform Projects Pty Ltd (Reform Projects)
15/108 Dunning Avenue
Rosebury NSW 2018

Attention: Ms Cassandra Gleeson
Email: cgleeson@reformprojects.com.au

**GEOTECHNICAL RESPONSE TO APPLICATION NO: DA2022/0469 COUNCIL ISSUES IDENTIFIED IN LETTER DATED 13 JULY 2022
PROPOSED RESIDENTIAL DEVELOPMENT
1102 BARRENJOEY ROAD, PALM BEACH, NSW**

This letter has been prepared in response to the queries raised in the letter prepared by Northern Beaches Council dated 13 July 2022, Issue 2, in particular paragraphs 2 and 3, which are shown on Plates 1 and 2 below. Our responses are provided below each plate.

Plate 1: Issue 2, Paragraph 2

The geotechnical report makes reference to '*removal of the required section of the sandstone boulder along the southern boundary*'. The architectural plans show portions of the rock outcrop to be retained. Concern is raised regarding the subsequent impact of part removal/excavation beneath this rock outcrop and the potential impacts on the adjoining property at 1100 Barrenjoery Road. Council is not clear how excavation can occur beneath the rock outcrop for the driveway while the above portion of the rock outcrop is retained. Could the applicant please clarify the extent of removal of this rock and what the ultimate outcome will look like at the building and driveway interface with the rock boulder. Can the applicant's geotechnical engineer provide details as to how the excavation can occur without impact to the portion of boulder on the adjoining land.

JK Geotechnics Response to Issue 2, Paragraph 2

Based on our discussions with Reform Projects and reference to the provided architectural drawings prepared by Rob Mills Architecture & Interiors (drawings shown on cover page, Ref: Drawing No. DA.00, Revision A, dated 24 February 2022), we understand that the boulders and shotcrete will not be removed. We have updated our geotechnical report to remove the statement 'removal of the required section of the sandstone boulder along the southern boundary'. In addition, our report provides comments and recommendations on excavation and retention measures to be adopted to allow excavation to be completed safely and the cuts to





be appropriately supported. This includes particular advice on excavation below the boulders and shotcrete and mesh panel.

Plate 2: Issue 2, Paragraph 3

The geotechnical report makes reference to '*Where temporary anchors extend below adjoining properties permission from the respective property owners must be obtained before installation*'. Could the applicant please confirm that there are other viable options should owners consent not be granted from the adjoining property for temporary anchors.

JK Geotechnics Response to Issue 2, Paragraph 3

Internal props may be substituted for anchors.

Should you require any further information regarding the above, please do not hesitate to contact the undersigned.

Yours faithfully
For and on behalf of
JK GEOTECHNICS

A handwritten signature in black ink that reads "Jarett Mones".

Jarett Mones
Associate | Geotechnical Engineer