

Date: 29 September 2023

Ref: 33313Ylet2

Studio\_deCARTA  
4/68-72 Wentworth Avenue  
Surry Hills NSW 2010

Attention: Mr Allen De Carteret  
Email: decarta@mac.com

**GEOTECHNICAL ADVICE**  
**PROPOSED NEW RESIDENCE**  
**266 WHALE BEACH ROAD, WHALE BEACH, NSW**

This letter has been prepared to support the Section 4.55 modification for the above site. The Section 4.55 modification has been prepared to address the additional excavation that has been completed to the rear of the garage and is shown in the drawings prepared by studio\_deCARTA (Project: 266 Whale Beach Road, Drawing S4.55, Drawing No: 11.6.1 to 11.6.3, dated 13 September 2023).

JK Geotechnics completed a stability assessment of the site, the results of which are presented in our report (Ref: 33313Zrpt, dated 7 July 2020). Following the completion of this report we completed a 2D finite element analysis (FEA) of the proposed retention system that modelled the soil-structure interaction. The results of this analysis were then provided to ACOR Consultants who then undertook the structural design of the retention system.

We have reviewed the proposed changes to bulk excavation levels set out in the architectural drawings prepared by studio\_deCARTA and referenced above. These changes do not alter the recommendations presented in our geotechnical report, referenced above or the results of our subsequent 2D FEA of the retention system.

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



**Woodie Theunissen**  
Principal | Geotechnical Engineer

