



20th December 2023

Colin Mitchell & Michelle Klinger
49 Bangaroo Street
NORTH BALGOWLAH NSW 2093

Ref: D-1907

Dear Sir/Madam,

**Re: Geotechnical Report – Proposed Residential Development at
49 Bangaroo Street, North Balgowlah**

I, Edward A Bennett, practicing civil, structural, geotechnical & environmental engineer, hereby confirm that our company has inspected the above site, refer Appendix "A", for the proposed residential development consisting of Alterations & Additions, Swimming Pool, Retaining Wall and confirm that by review of Councils Policy, a full geotechnical report is unnecessary for properties in Area "A" of the Warringah LEP 2011 Land Slip Risk Map, refer below.

PROPOSED DEVELOPMENT

The proposed development consists of a Residential Development as shown on the architectural details prepared by u, refer Appendix 'B'.

These works may include minor excavation, filling, and new piered/piled footing systems to be founded on underlying rock for the rear Dwelling Addition, Swimming Pool and Retaining Wall.

DESCRIPTION OF SITE & SURROUNDING AREA

The area of the new development is bounded by the rear Western boundary of the Jacaranda Place property which has a gentle slope from west to East with a steep section, drop-off along the rear Eastern Boundary, near the future location of the deep end of the swimming Pool structure, which must be piered and anchored to the underlying sound solid rock – refer to figure 1.

GEOTECHNICAL REPORT

Warringah LEP2011 - Land Slip Risk Map-Area A



Figure 1: Land slip risk map for 49 Bangaroo St, North Balgowlah (site location marked in red), in Area "A".

The development will not cause detrimental impacts because of stormwater discharge from the land and will not cause detrimental impact on the existing subsurface flow conditions including those of other properties.

Yours faithfully,

E.A. Bennett M.I.E. Aust. Cp Eng. NPER 198230, Member AGS, BCD 0820

GEOTECHNICAL REPORT

REFERENCES

NSW Dept. of Resourced & Energy, "Sydney 1:100 000 Geological Map", Accessed 16 July 2014 from <<http://www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information/geological-maps/1-100-000/sydney-1100-000-geological-map>>

Northern Beaches Council eServices, Warringah Council Development Control Plan 2011

<<https://services.northernbeaches.nsw.gov.au/icongis/index.html>>

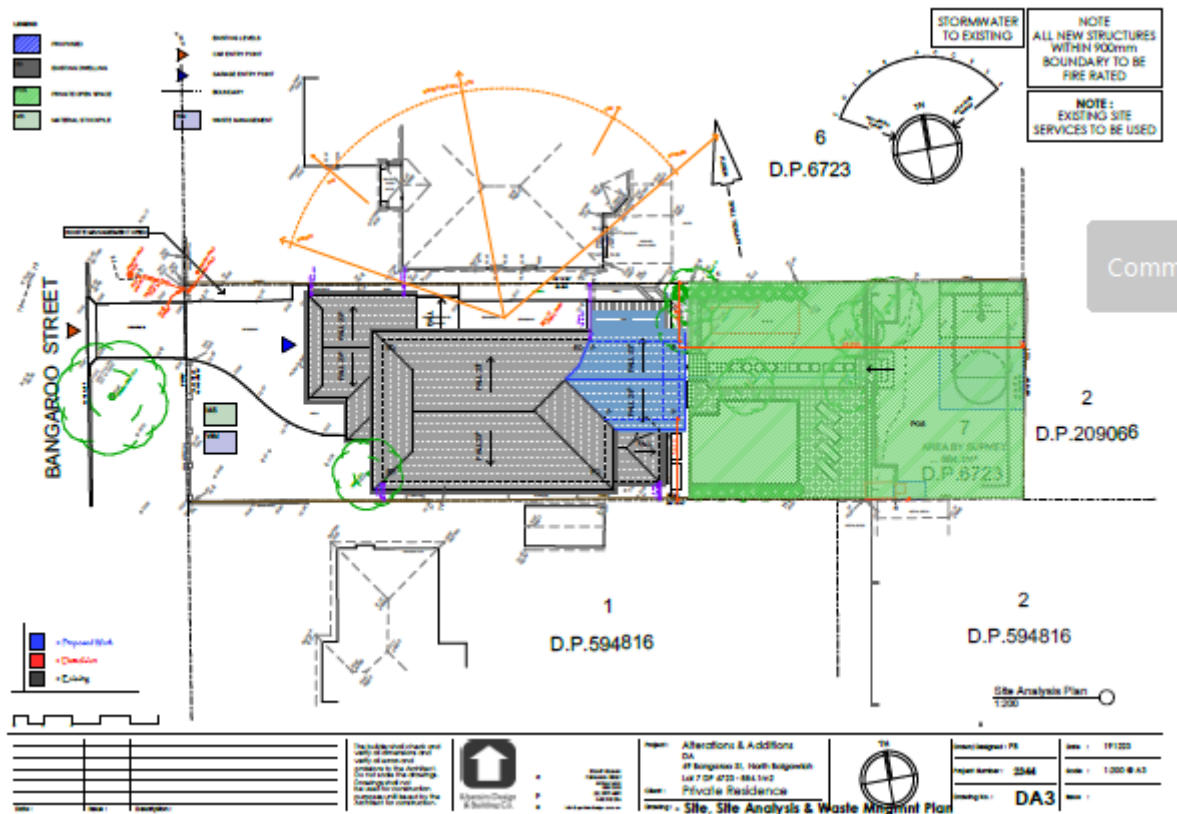
APPENDIX A



Courtesy of Satellite Imagery

GEOTECHNICAL REPORT

APPENDIX B



GEOTECHNICAL REPORT

