

**GEMMA LUMLEY**  
19 MARY ST  
BEACON HILL NSW

## GEOTECHNICAL LETTER

### Summary of Geotechnical Letter

<b>Site Classification Report Number</b>	RG375-GR-1-1
<b>Project Name</b>	Alterations and Additions
<b>Site Address</b>	No. 19 Mary St, Beacon Hill NSW

This technical letter comments and includes:

- The findings of a site walkover carried out by Rapid Geo Pty Ltd (RG) at No. 19 Mary St, Beacon Hill NSW.
- Assessment of Site Conditions with reference to land identified on the Warringah Local Environmental Plan 2011 - Landslip Risk Map as Area A, Area B, Area C, Area D or Area E.
- Checklist for councils' assessment of site conditions with reference to Section E10 of the Warringah Development Control Plan.

The subject site at 19 Mary Street, Beacon Hill, is situated within a residential precinct on Sydney's Northern Beaches. The landform is characteristic of the Beacon Hill area, comprising elevated terrain underlain by weathered Hawkesbury Sandstone and associated residual soils. The lot presents a slight to moderate natural slope, generally falling to the east, consistent with the regional topography that drains towards coastal catchments. Surface soils are expected to include a veneer of sandy topsoil and colluvium, overlying medium to high strength sandstone bedrock at shallow to moderate depth.

Vegetation cover across the lot is typical suburban planting, with landscaped lawns and scattered trees, though portions of native regrowth may remain along the boundaries. Due to the sloping profile, surface water runoff and subsurface seepage are anticipated during periods of rainfall, necessitating consideration of erosion control and stable surface drainage in any future works. The site conditions are representative of Beacon Hill's elevated sandstone ridge environment, where excavation is often required into moderately weathered sandstone for foundations and service installations.

At the time of inspection, the site was grassed at the front and rear of the dwelling and consisted of a single-storey dwelling with basement. The site is bounded by similar free-standing residential dwellings on both sides and the rear. The proposed development consists of converting an existing carport into an enclosed lockup garage (See Appendix B).

No proposed excavation works are required for this development. No indication of fill material exceeding a thickness of 1.0 m from surface level was present during the initial inspection. The site conditions were considered natural with no significant changes to the natural topography of the overall site. The proposed development will not require any substantial excavation or fill works.

No evidence of former land instability was observed within the site and surrounding land during the site walkover survey. Based on the site conditions, anticipated sub-surface ground conditions and the proposed development, the risk of potential slope instability, such as landslide or soil creep, is considered to be not applicable. A detailed slope risk assessment in accordance with the Australian Geomechanics Society's Landslide Risk Management Guidelines (2007) is not considered necessary for this proposed development.

As per the checklist for councils' assessment of site conditions (Section E10 of the Warringah Development Control Plan), a Geotechnical Report is not required (see Appendix A).

Should you need any further information, please do not hesitate to contact us.  
Regards,

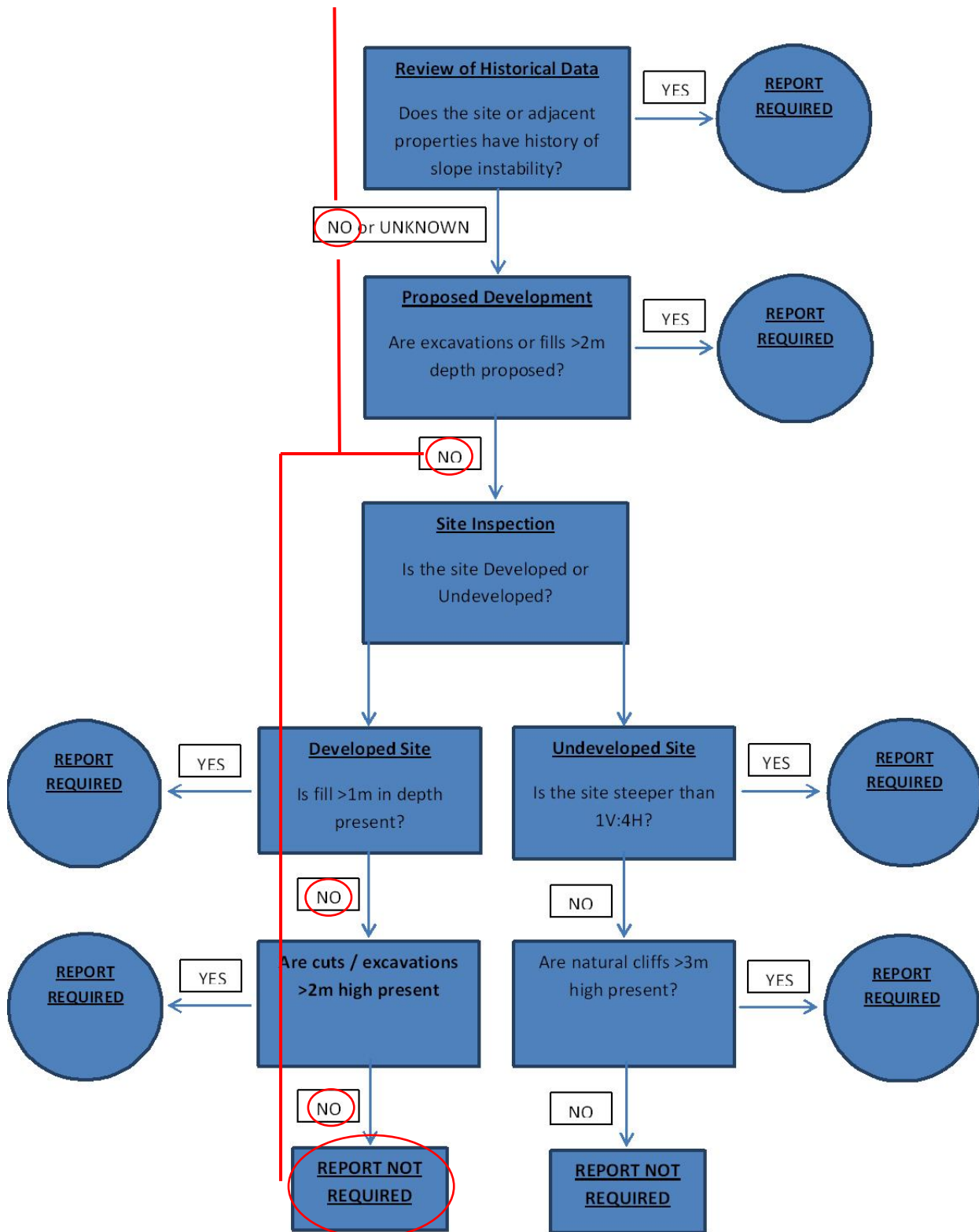
Adrian Gunn 0411 474 838 | [adrian@rapidgeo.com.au](mailto:adrian@rapidgeo.com.au) | [www.rapidgeo.com.au](http://www.rapidgeo.com.au)  
BEng. MIEAust.  
Geotechnical Engineer

A handwritten signature in black ink, appearing to read 'Adrian Gunn', is positioned below the contact information.

***Appendix A – Checklist***

***Appendix B – Plan of Proposed Carport Conversion into Lockup Garage***

# CHECKLIST FOR COUNCIL'S ASSESSMENT OF SITE CONDITIONS AND NEED FOR GEOTECHNICAL REPORT IN GEOTECHNICAL CLASS B AND D



## Appendix B – Plan of Proposed Carport Conversion into Lockup Garage

