



**PRELIMINARY GEOTECHNICAL ASSESSMENT  
FOR  
PROPOSED ADDITIONS AND ALTERATIONS  
AT  
24 LINCOLN AVENUE COLLAROY**

**1. INTRODUCTION.**

**1.1** This assessment has been prepared to accompany an application for development approval.

**1.2** The site is located in land that is subject to Area D on the Landslip Risk Map. The methods used in this Assessment are based on those described in Landslide Risk Management March 2007, published by the Australian Geomechanics Society. Also Council checklist contained within Clause E10 of Warringah DCP and the WLEP Map identifying the Landslip Risk Class as highlighted (red) below:-

|                                     | <b><i>LANDSLIP RISK CLASS (Highlight indicates Landslip Risk Class of property)</i></b>                          |
|-------------------------------------|--|
| <input type="checkbox"/>            | <i>A Geotechnical Report not normally required.</i>  |
| <input type="checkbox"/>            | <i>B Preliminary assessment of site conditions required to determine whether a geotechnical report required.</i> |
| <input type="checkbox"/>            | <i>C Geotechnical Report is required.</i>  |
| <input checked="" type="checkbox"/> | <i>D Preliminary assessment of site conditions required to determine whether a geotechnical report required.</i> |
| <input type="checkbox"/>            | <i>E Geotechnical Report required.</i>   |

**1.3** The experience of Jack Hodgson Consultants spans some 40 years in Warringah and the Greater Sydney area.

**2. PROPOSED DEVELOPMENT.**

**2.1** Construct new first floor extension.

**2.2** Construct new covered deck.





# Jack Hodgson Consultants Pty Limited

CONSULTING CIVIL, GEOTECHNICAL AND STRUCTURAL ENGINEERS

ABN: 94 053 405 011

**MQ 30040**

14<sup>th</sup> May, 2015

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2.3 Details of the proposed development are shown on two architectural drawings prepared by Rob Crump Design numbered 2321 containing sheets 01 to 02 dated 24<sup>th</sup> April 2015.

## 3.0 SITE LOCATION

3.1 The site was inspected on the 12<sup>th</sup> May 2015.

3.2 This property is an average sized rectangular residential block and has a southerly aspect. From the road frontage the site rises moderately to the northern boundary at average angles of approximately 15 degrees.

## 4.0 SITE DESCRIPTION

From the road frontage a short concrete vehicle crossing provides access to a brick paved driveway and a double garage as part of the main residence. The road reserve is near level and lawn covered. The southern portion of the block has been landscaped into terraces. These terraces are supported by stable brick retaining walls. Cracking is evident in the side of the upper terrace. This is in relation to the growth of a number of palm trees and is not indicative of slope instability. The wall is considered stable in its current condition. Access around the house is possible along the eastern boundary. A paved patio extends from the northern side of the house. A concrete inground pool is situated above the paved patio and is supported by a masonry retaining wall. Above the pool the slope is landscaped into terraces that extend to the northern boundary. The terraces are supported by masonry retaining walls. No evidence of significant slope instability was identified at the time of our inspection.

## 5.0 RECOMMENDATIONS

The proposed building alterations and existing site conditions were considered and applied to the Council Flow Chart for class D areas as contained within Clause E10 of Warringah DCP and the WLEP. Based on this preliminary assessment, the proposed development works would be considered satisfactory from a Geotechnical and landslip perspective subject to the application of good engineering practice for the structural design and construction methods. No geotechnical report required.

## **JACK HODGSON CONSULTANTS PTY. LIMITED.**

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PRELIMINARY GEOTECHNICAL ASSESSMENT FLOW CHART  
WARRINGAH COUNCIL

