



**PRELIMINARY GEOTECHNICAL ASSESSMENT
FOR
PROPOSED ALTERATIONS AND ADDITIONS
AT
12 ARDSLEY AVENUE, FRENCHS FOREST**

1.0 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 B 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:-

	<i>LANDSLIP RISK CLASS (Highlight indicates Landslip Risk Class of property)</i>
<input type="checkbox"/>	<i>A Geotechnical Report not normally required</i>
<input checked="" type="checkbox"/>	<i>B Geotechnical Engineer (Under Council Guidelines) to decide if Geotechnical Report is required</i>
<input type="checkbox"/>	<i>C Geotechnical Report is required</i>
<input type="checkbox"/>	<i>D Council officers to decide if Geotechnical Report is 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.

2.0 PROPOSED DEVELOPMENT

2.1 Construct new first floor addition over the existing residence.

2.2 Details of the proposed development are shown on 8 architectural drawings prepared by Your Style Designer Home Additions, Drawing numbers 1 to 8 and dated 11th March, 2019.

3.0 SITE LOCATION

3.1 The site was inspected for this assessment on the 25th March, 2019.



Jack Hodgson Consultants Pty Limited

CONSULTING CIVIL, GEOTECHNICAL AND STRUCTURAL ENGINEERS

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25th March, 2019.
Page 1.

3.0 SITE LOCATION (Continued)

3.2 This average sized residential block has a southerly aspect. From the road frontage the site rises moderately to the north east towards the rear boundary at approximately 5 to 10 degrees. There is also a moderate cross fall of 5 to 10 degrees to the east.

4.0 SITE DESCRIPTION

From the road frontage a concrete vehicle layback and driveway in Council's road reserve changes to two concrete driveway strips within the front boundary of the subject property leading to the attached existing single car garage. A pathway across the front of the existing residence leads to the stairs and to the main entrance. A lawn area separates the road reserve and the front of the existing residence. Gates and pathways on both the eastern and western side of the existing residence provide access to the rear yard. At the rear of the existing residence is a grassed area north of the rear balcony. At the time of our inspection no significant geotechnical hazards were identified and the existing residence was in good condition with no signs of significant movement.

5.0 RECOMMENDATIONS

Proposed first floor additions will require minimal excavation for any new foundations required which are to be taken to the underlying bedrock.

The proposed alterations, additions and existing site conditions were considered and applied to the Council Flow Chart for class B area 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. It is not proposed to undertake major excavation for the works; therefore it is recommended no further geotechnical assessment is required.

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