

**GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER**  
**FORM NO. 1 – To be submitted with Development Application**

Development Application for	<u>Ian Westaway</u> Name of Applicant
Address of site	<u>1955 Pittwater Road, Bayview, NSW</u>

**Declaration made by geotechnical engineer or engineering geologist or coastal engineer (where applicable) as part of a geotechnical report**

I, KAREN ALLAN on behalf of Ascent Geotechnical Consulting P/L  
(insert name) (Trading or Company Name)

on this the 01.03.2021 certify that I am a geotechnical engineer or engineering geologist or coastal engineer

as defined by the Geotechnical Risk Management Policy for Pittwater - 2009 and I am authorised by the above organisation/company to issue this document and to certify that the organisation/company has a current professional indemnity policy of at least \$2 million (**reduced from 10 million with reference to approval from Mr Simon Gray, Manager Development Engineering and Certification, Northern Beaches Council, 3 November 2020**).

**Please mark appropriate box**

- ☐ Prepared the detailed Geotechnical Report referenced below in accordance with the Australia Geomechanics Society's Landslide Risk Management Guidelines (AGS 2007) and the Geotechnical Risk Management Policy for Pittwater - 2009
- ☒ I am willing to technically verify that the detailed Geotechnical Report referenced below has been prepared in accordance with the Australian Geomechanics Society's Landslide Risk Management Guidelines (AGS 2007) and the Geotechnical Risk Management Policy for Pittwater - 2009
- ☐ Have examined the site and the proposed development in detail and have carried out a risk assessment in accordance with paragraph 6.0 of the Geotechnical Risk Management Policy for Pittwater - 2009. I confirm the results of the risk assessment for the proposed development are in compliance with the Geotechnical Risk Management Policy from Pittwater - 2009 and further detailed geotechnical reporting is not required for the subject site.
- ☐ Have examined the site and the proposed development/alteration in detail and am of the opinion that the Development Application only involves Minor Development/Alterations that do not require a Detailed Geotechnical Risk Assessment and hence my report is in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009 requirements for Minor Development/Alterations.
- ☐ Have examined the site and the proposed development/alteration is separate form and not affected by a Geotechnical Hazard and does not require a Geotechnical report or Risk Assessment and hence my Report is in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009 requirements
- ☐ Provided the coastal process and coastal forces analysis for inclusion in the Geotechnical Report

**Geotechnical Report Details:**

Report Title: Section 4.55 Geotechnical Review Letter (AG 19015D)  
Report Date: 1 March 2021  
Author: Ben Morgan / Karen Allan  
Author's Company/Organisation: Ascent Geotechnical Consulting Pty Ltd

**Documentation which relate to or are relied upon in report preparation:**

Architectural design plans prepared by Leech Harmon Architects, Project No. 20611, Sheets SA-01 (C), DA-02(F), DA-03(F), DA-04 (E), DA-06/07 (G), DA-08/09(G), and DA-10 (D), dated 18 February 2021.

I am aware that the above Geotechnical Report, prepared for the abovementioned site is to be submitted in support of a Development Application for this site and will be relied on by Northern Beaches Council as the basis for ensuring that the Geotechnical Risk Management aspects of the proposed development have been adequately addressed to achieve an "Acceptable Risk Management" level for the life of the structure, taken as at least 100 years unless otherwise stated and justified in the Report and that reasonable and practical measures have been identified to remove foreseeable risk.

Signature K Allan  
Name Karen Allan  
Chartered Professional Status MIE Aust CPEng NER  
Membership No. 793020  
Company Ascent Geotechnical Consulting Pty Ltd

**GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER**  
**FORM NO. 1(a) - Checklist of Requirements for**  
**Geotechnical Risk Management Report for Development Application**

Development Application for	<u>Ian Westaway</u> Name of Applicant
Address of site	<u>1955 Pittwater Road, Bayview, NSW</u>

*The following checklist covers the minimum requirements to be addressed in a Geotechnical Risk Management Geotechnical Report. This checklist is to accompany the Geotechnical Report and its certification (Form No. 1).*

**Geotechnical Report Details:**

Report Title: Section 4.55 Geotechnical Review Letter (AG 19015D)
Report Date: 1 March 2021
Author: Ben Morgan / Karen Allan
Author's Company/Organisation: Ascent Geotechnical Consulting Pty Ltd

**Please mark appropriate box**

- ☒ Comprehensive site mapping conducted 30/01/2019  
(date)
- ☒ Mapping details presented on contoured site plan with geomorphic mapping to a minimum scale of 1:200 (as appropriate)
- ☒ Subsurface investigation required
  - ☒ No Justification .....
  - ☐ Yes Date conducted .....
- ☒ Geotechnical model developed and reported as an inferred subsurface type-section
- ☒ Geotechnical hazards identified
  - ☐ Above the site
  - ☒ On the site
  - ☐ Below the site
  - ☐ Beside the site
- ☒ Geotechnical hazards described and reported
- ☒ Risk assessment conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
  - ☒ Consequence analysis
  - ☒ Frequency analysis
- ☒ Risk calculation
- ☒ Risk assessment for property conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
- ☒ Risk assessment for loss of life conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
- ☒ Assessed risks have been compared to "Acceptable Risk Management" criteria as defined in the Geotechnical Risk Management Policy for Pittwater - 2009
- ☒ Opinion has been provided that the design can achieve the "Acceptable Risk Management" criteria provided that the specified conditions are achieved.
- ☒ Design Life Adopted:
  - ☒ 100 years
  - ☐ Other ..... specify
- ☒ Geotechnical Conditions to be applied to all four phases as described in the Geotechnical Risk Management Policy for Pittwater – 2009 have been specified
- ☒ Additional action to remove risk where reasonable and practical have been identified and included in the report.
- ☒ Risk Assessment within Bushfire Asset Protection Zone

I am aware that Pittwater Council will rely on the Geotechnical Report, to which this checklist applies, as the basis for ensuring that the geotechnical risk management aspects of the proposal have been adequately addressed to achieve an "Acceptable Risk Management" level for the life of the structure, taken as at least 100 years unless otherwise stated, and justified in the Report and that reasonable and practical measures have been identified to remove foreseeable risk.

Signature	
Name	Karen Allan
Chartered Professional Status	MIE Aust CPEng NER
Membership No.	793020
Company	Ascent Geotechnical Consulting Pty Ltd

## **SECTION 4.55 GEOTECHNICAL REVIEW LETTER**

1955 Pittwater Road, Bayview NSW

Ascent Geotechnical Consulting Pty Ltd (Ascent) have reviewed the Section 4.55 updated architectural plans for the Residential Seniors Living Development, prepared by Leech Harmon Architects, Project No. 20611, Sheets SA-01 (C), DA-02(F), DA-03(F), DA-04 (E), DA-06/07 (G), DA-08/09(G), and DA-10 (D), dated 18 February 2021.

The changes to the design, as presented in the updated plans (referenced above) do not require any material modifications to the recommendations presented in Table 3 of our original report (AG 19015 Geotechnical Assessment Report, dated 30 January 2019; AG 19015C Ground Testing Report, 21 October 2020), or our assessment that provided the recommendations provided in the abovementioned reports are followed, the existing Site conditions and proposed development are considered to constitute an “**Acceptable**” risk to life and a “**Low**” risk to property.

If you have any questions or require any clarification, please call the undersigned on **0448 255 537**.

For and on behalf of **Ascent Geotechnical Consulting Pty Ltd**,



**Ben Morgan** BSc Geol. MAIG  
General Manager | Engineering Geologist