

GEOTECHNICAL LETTER

231 Hudson Parade, Clareville NSW

AscentGeo has inspected the above site on 27 February 2025 at the request of Deborah Partos from Giddis Project Management on behalf of the owners, Virginio & Antonina Mautone. AscentGeo have been involved in geotechnical assessments and geotechnical reporting for a number of developments on Hudson Parade, and in the surrounding streets, including Wandeen Road.

The aim of our visual assessment was to determine the requirement for a detailed geotechnical report in relation to the proposed works detailed in architectural drawings by Giddis Drafting Services, drawing numbers 01-05, revision B, dated 18/02/25. The proposed works comprise the construction of a pergola over an existing balcony and an extension to the frontage of an existing double garage. The site is located within Geotechnical Hazard H1 zone (Pittwater LEP 2024).

The house and retaining walls on the site are in good condition. Competent sandstone bedrock is outcropping under the existing residence. Structures on the adjoining properties are in good condition and occupy similar topography to the subject site. A landslide hazard assessment of the existing slope has been undertaken in general accordance with Australian Geomechanics Society's 'Practice Note Guidelines for Landslide Risk Management', published in March 2007. No evidence of significant soil creep, tension cracks or landslip instability were identified across the site or on adjacent properties as viewed from the subject site at the time of our inspection.

With reference to the Australian Geomechanics Societies definitions, it is our opinion that the proposed works constitute an '**ACCEPTABLE**' risk to life and a '**LOW**' risk to property, provided the following recommendations are implemented during design and construction.

Recommendations

- Footings of the existing structure are to be assessed by the structural engineer as to their suitability in relation to the proposed works.
- Where new footings are required, these are to be taken to bedrock. It is essential that the foundation materials of all footing excavations be visually assessed and approved by AscentGeo before steel reinforcement and concrete is placed.
- To comply with Northern Beaches Council conditions and enable the completion of Forms 2B and 3, as required by Council's Geotechnical Risk Management Policy, it may be necessary at the following stages for Ascent to: review the geotechnical content of all structural engineer designs prior to the issue of Construction Certificate (Form 2B); and complete the abovementioned material inspections during construction to ensure compliance to design with respect to stability and geotechnical design parameters. A final site inspection will be required at occupation stage before the issue of the Form 3.
- Provided the above is implemented during deign and construction, **no further geotechnical inspection or reporting** for the development application is considered necessary.

If you have any questions or require any clarification, please call us on **9913 3179.**

For and on behalf of AscentGeo,

Ben Morgan BScGeol MAIG RPGeo Managing Director | Engineering Geologist



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

Development Application for		Virginio & Antonina Mautone	
		Name of Applicant	
Address of site	231 Hudso	231 Hudson Parade, Clareville NSW	

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

l,	Ben Morgan	on behalf of	AscentGeo Geotechnical Consulting
	(insert name)		(Trading or Company Name)
on this the28.02.2025		5	certify that I am a geotechnical engineer or engineering geologist or coastal enginee

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.

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: Geotechnical Assessment Report for alterations & additions at 231 Hudson Parade, Clareville (AG 25077) Report Date: 28 February 2025

Author: Cameron Young

Author's Company/Organisation: AscentGeo Geotechnical Consulting

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

Architectural design plans prepared by Giddis Drafting Services, drawing numbers 01, 02, 03, 04, 05, Rev A, dated 18 February 2025.

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	A
Name	Ben Morgan
Chartered Professional Status	MAIG RPGeo (Geotechnical & Engineering)
Membership No.	10269
Company	AscentGeo Geotechnical Consulting
Company	AscentGeo Geotechnical Consulting



Policy of Operations and Procedures

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

Development Application for Virginio & Antonina Mautone

Name of Applicant

Address of site 231 Hudson Parade, Clareville NSW

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: Geotechnical Assessment Report for alterations & additions at 231 Hudson Parade, Clareville (AG25077) Report Date: 28 February 2025 Author: Cameron Young Author's Company/Organisation: AscentGeo Geotechnical Consulting

Please mark appropriate box

\boxtimes	Comprehensive site mapping conducted
\boxtimes	Mapping details presented on contoured site plan with geomorphic mapping to a minimum scale of 1:200 (as appropriate) Subsurface investigation required
	Yes Date conducted
\boxtimes	Geotechnical model developed and reported as an inferred subsurface type-section
\bowtie	Geotechnical hazards identified
	Above the site
\boxtimes	Geotechnical hazards described and renorted
\boxtimes	Risk assessment conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
	Risk calculation
	Risk assessment for property conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
\boxtimes	Risk assessment for loss of life conducted in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009
\boxtimes	Assessed risks have been compared to "Acceptable Risk Management" criteria as defined in the Geotechnical Risk Management
	Policy for Pittwater - 2009
\bowtie	Opinion has been provided that the design can achieve the "Acceptable Risk Management" criteria provided that the specified
	Conditions are achieved.
	specify
\boxtimes	Geotechnical Conditions to be applied to all four phases as described in the Geotechnical Risk Management Policy for Pittwater – 2009 have been specified
\square	Additional action to remove risk where reasonable and practical have been identified and included in the report

 \square 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	A		
Name	Ben Morgan		
Chartered Professional Status	MAIG RPGeo (Geotechnical & Engineering)		
Membership No.	10269		