

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

<b>Development Application for</b>	<u>Mr &amp; Mrs. Evans</u>
	Name of Applicant
<b>Address of site</b>	<u>71 George Street, Avalon Beach</u>

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

I, Garth Hodgson on behalf of Hodgson Consulting Engineers Pty Ltd  
(insert name) (Trading or Company Name)

on this the 22<sup>nd</sup> August, 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 \$2million.

**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 for 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 in 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: 71 GEORGE STREET, AVALON BEACH. Geotechnical letter for proposed swimming pool– QP 00263A
Report Date: 22 <sup>nd</sup> August, 2021
Author : Garth Hodgson
Author's Company/Organisation : HODGSON CONSULTING ENGINEERS PTY LTD

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

<b>Drawings prepared by Jamie King Landscape Architect, No: 21080, Dwg No: Sht.101 to Sht.105, Sht.201, Revision C and dated 16<sup>th</sup> August, 2021</b>
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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 Pittwater 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 \_\_\_\_\_

Name Garth Hodgson

Chartered Professional Status MIE Aust

Membership No. 2211514

Company Hodgson Consulting Engineers Pty Ltd

The General Manager  
Northern Beaches Council  
Pittwater Area  
PO Box 82  
**MANLY NSW 2095**

Dear Sir,

**71 GEORGE STREET, AVALON BEACH.**  
Geotechnical letter for proposed swimming pool

A Geotechnical Site Inspection was carried out at the subject address on the 13<sup>th</sup> August, 2021. No subsurface investigation was undertaken. The site is mapped by the Northern Beaches Council 'Pittwater LEP 2014' Geotechnical Hazard Map with no part of the site in a Hazard category, Figure 1.



Figure 1

The proposed works will comprise of the construction of a new swimming pool near the north eastern corner of the existing residence and front balcony. The proposed swimming pool is excavated below the existing natural surface levels due to requirements of Council's Flooding policy. Excavation is only required for the proposed prefabricated swimming pool. Details of the proposed swimming pool are shown on the plans prepared by Jamie King Landscape Architect, No: 21080, Dwg No: Sht.101 to Sht.105, Sht.201, Revision C and dated 16<sup>th</sup> August, 2021.

The site is on the high side side of the George Street. Vehicular access is via a concrete driveway from Joseph Street to the attached double garage at the south eastern corner of the existing residence. Pedestrian access is via the pathway from George Street from the north western corner of the site to main entry of the existing residence. The flat to moderate slope rises predominately to the west at average angles of 0 to 5 degrees across the site. The neighbouring properties have similar elevation and geomorphology to the subject property. No significant movement attributed slope instability was observed in the existing buildings.

The proposed development is to be constructed with only the excavations required for the proposed swimming pool. The proposed swimming pool excavation will be into sandy material and may need the excavation sides to be shored or battered temporarily during excavation.

The pool foundation material is to be inspected by the geotechnical engineer before the swimming pool is placed.

The property appears stable by inspection and accordingly the proposed development will have an Acceptable Risk Level in accordance with the 2009 Geotechnical Risk Management Policy for Northern Beaches Council – Pittwater Area subject to good engineering practice for the structural design and construction methods.

**HODGSON CONSULTING ENGINEERS PTY LTD.**



**Garth Hodgson MIE Aust**  
**Member No. 2211514**  
**Civil/Geotechnical & Structural**  
**Engineer**