

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

Development Application for Brook Worthington
Name of Applicant

Address of site 95 Wimbledon Avenue, North Narrabeen

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 29th September, 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 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: 95 WIMBLEDON AVENUE, NORTH NARRABEEN. Geotechnical letter for proposed swimming pool– QP 00278A

Report Date: 29th September, 2021


Author : Garth Hodgson

Author's Company/Organisation : HODGSON CONSULTING ENGINEERS PTY LTD

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

Drawings prepared by Site Design + Studios, Drawing No: 7017, Pages L-01 to 05, Issue D and dated 24th August, 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 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



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

Dear Sir,

95 WIMBLEDON AVENUE, NORTH NARRABEEN.
Geotechnical letter for proposed swimming pool

A Geotechnical Site Inspection was carried out at the subject address on the 8th August, 2019. 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.

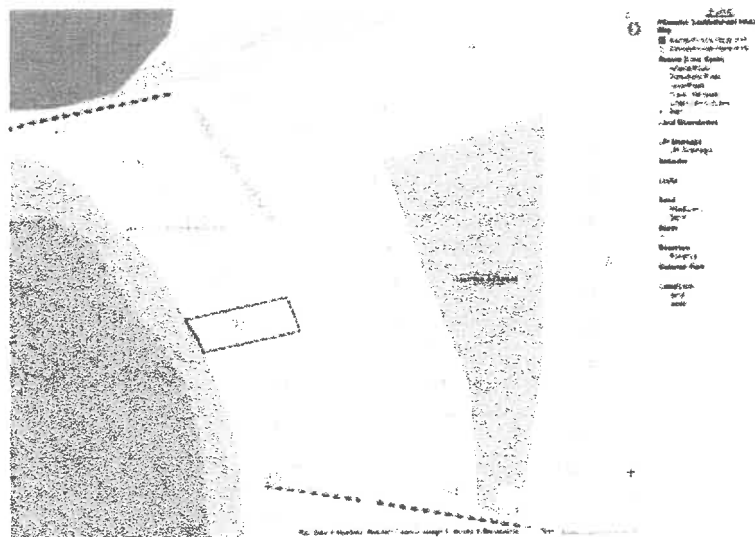


Figure 1

The proposed works will comprise of the installation of a new prefabricated swimming pool near the south eastern rear corner of the existing residence and deck. The proposed swimming pool is approximately 2.9m away from the eastern side boundary. Excavation is only required for the proposed swimming pool of approximately 1.6 metres in depth. Details of the proposed alteration and additions are shown on the plans prepared by Site Design + Studios, Drawing No: 7017, Pages L-01 to 05, Issue D and dated 24th August, 2021.



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The site is on the southern side of the Wimbledon Avenue and is accessed by a concrete driveway on north western corner of the site or the pathway near the middle of the front boundary. The flat slope falls predominately to the south at average angles of 0 to 5 degrees. The existing residence and workshop are of timber clad construction supported on strip and pad footings. The neighbouring properties have similar elevation and geomorphology to the subject property. No significant movement attributed slope or foundation instability was observed in the existing buildings.

We recommend for the excavation of the proposed swimming pool that the sand material is to be temporarily battered at an angle of 45 degrees maximum. Where space does not permit a batter a structural engineer will need to design temporary or permanent shoring.

The proposed development is to be constructed with only the excavations required for the proposed swimming pool.

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 subject to good engineering practice for the structural design and construction methods.

HODGSON CONSULTING ENGINEERS PTY LTD.

A handwritten signature in black ink, appearing to read "Garth Hodgson", is written over a light grey horizontal line.

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