

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

Development Application for <u>KRISTEN ROONEY</u>	Name of Applicant
Address of site <u>205 RIVERVIEW RD, AVALON BEACH</u>	

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

I, PAUL ROBERTS on behalf of JK GEOTECHNICS
(Insert Name) (Trading or Company Name)

on this the 11TH SEPTEMBER 2019 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.
We/I:

Please mark appropriate box

- ☒ have 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
- ☐ Are 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 Section 6.0 of the Geotechnical Risk Management Policy for Pittwater - 2009. We/I confirm that 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 are/am of the opinion that the Development Application only involves Minor Development/Alteration that does not require a Geotechnical Report or Risk Assessment and hence my/our Report is in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009 requirements.
- ☐ have examined the site and the proposed development/alteration is separate from and is 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.
- ☐ have provided the coastal process and coastal forces analysis for inclusion in the Geotechnical Report

Geotechnical Report Details:

Report Title: <u>GEOTECHNICAL ASSESSMENT FOR PROPOSED ALTERATIONS & ADDITIONS</u>	Report Ref No: <u>27796 R-pt 2</u>
Report Date: <u>11/9/19</u>	
Author: <u>PAUL ROBERTS</u>	
Author's Company/Organisation: <u>JK GEOTECHNICS</u>	

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

ARCHITECTURAL DRAWINGS A010A/P3, A011A/P2, A012A/P3 TO A014A/P3, A100A/P7 TO A104A/P7, A301A/P6 & A302A/P6 DATED 20/8/19 & A201A TO A204A DATED SEPT '19 PREPARED BY MHP & SURVEY PLAN 5204PU DATED 23/7/13 PREPARED BY TRUE NORTH SURVEYS.

We are 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 confirming 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, as discussed in the Report.

Signature Paul Roberts

Name PAUL ROBERTS

Chartered Professional Status C.P. Eng

Membership No. 2307698

Company JK GEOTECHNICS

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>KRISTEN ROONEY</u>	Name of Applicant
Address of site <u>205 RIVERVIEW ROAD, AVALON BEACH</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: <u>GEOTECHNICAL ASSESSMENT FOR PROPOSED ALTERATIONS & ADDITIONS</u>	Report Ref No: <u>27796R/pt2</u>
Report Date: <u>11/19/19</u>	
Author: <u>PAUL ROBERTS</u>	
Author's Company/Organisation: <u>JK GEOTECHNICS</u>	

Please mark appropriate box

- ☒ Comprehensive site mapping conducted 7/10/14
(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 TO BE COMPLETED DURING THE WORKS AS OUTLINED IN SECTIONS 3.1.1 TO 3.1.5 OF THE REPORT
- ☒ 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 recommendations presented in the Report are adopted.
- ☒ 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.

We are aware that Pittwater Council will rely on the Geotechnical Report, to which this checklist applies, as the basis for confirming 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 as discussed in the Report.

Signature Paul Roberts
Name PAUL ROBERTS
Chartered Professional Status CP Eng
Membership No. 2307698
Company JK GEOTECHNICS