

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

Development Application for <u> Louise Manning </u>
Address of site <u> 1180 Barrenjoey Road, Palm Beach, NSW </u>

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

I, Fernando Vega on behalf of *Jeffery and Katauskas Pty Ltd*

on this the 17 January 2017 certify that I am a geotechnical engineer as defined by the Geotechnical Risk Management Policy for Pittwater - 2009 and I am authorised by the above company to issue this document and to certify that the company has a current professional indemnity policy of at least \$2million.
We have:

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
- 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/Alterations that do not require a Detailed Geotechnical Risk Assessment and hence *my/our* report is in accordance with the Geotechnical Risk Management Policy for Pittwater - 2009 requirements for Minor Development/Alterations.
- Provided the coastal process and coastal forces analysis for inclusion in the Geotechnical Report

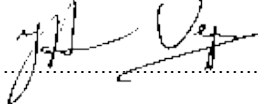
Geotechnical Report Details:

Report Title: <i>Geotechnical Assessment</i>	
Report Date: <i>17 January 2017</i>	Report Ref No: <i>29578VMpt Rev2</i>
Author: <i>Matthew Pearce</i>	
Author's Company/Organisation: <i>Jeffery and Katauskas Pty Ltd</i>	

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

Project No 0305, Drawing Nos DA...100, 101, 102, 103, 201, 200, 300, 500, inclusive, all Rev 2 dated 16.01.2017 prepared by Daniel Boddam

~~I am~~ *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 ~~ensuring~~ *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| 

Name Fernando Vega

Chartered Professional Status CPEng

Membership No.

Company: *Jeffery and Katauskas 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 Louise Manning
 Address of site 1180 Barrenjoey Road, Palm Beach, 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).

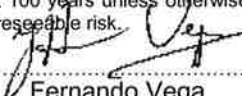
Geotechnical Report Details:

Report Title: Geotechnical Assessment Ref. 29578VM Rev2
 Report Date: 17 January 2017
 Author: Matthew Pearce
 Author's Company/Organisation: JK Geotechnics

Please mark appropriate box

- Comprehensive site mapping conducted 26 July 2016
 (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 26 July 2016
- 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 Fernando Vega
 Chartered Professional Status CPEng
 Membership No. 26673
 Company JK Geotechnics