



Geotechnical Policy – Kosciuszko Alpine Resorts

Form 4 – Minimal Impact Certification

Date received: ____/____/____

DA no: _____

This form may be used where minor construction works which present minimal or no geotechnical impact on the site or related land are proposed to be erected within the “G” line area of the geotechnical maps. A geotechnical engineer or engineering geologist must inspect the site and/or review the proposed development documentation to determine if the proposed development requires a geotechnical report to be prepared to accompany the development application. Where the geotechnical engineer determines that such a report is not required then they must complete this form and attach design recommendations where required. A copy of form 4 with design recommendation, if required, must be submitted with the development application.

Please contact the Alpine Resorts Assessments Team in Jindabyne for further information.
Phone 02 6456 1733.

To complete this form, please place a cross in the boxes and fill out the white sections.

1. Declaration made by geotechnical engineer or engineering geologist in relation to a nil or minimal geotechnical impact assessment and site classification

I,

Mr Ms Mrs Dr Other

First name

Mark

Family name

Bartel

OF

Company/organisation

Asset Geotechnical Engineering Pty Ltd

certify that I am a geotechnical engineer /engineering geologist as defined by the “Policy” and I have inspected the site and reviewed the proposed development known as

Ski Club of Australia, 1 Buckwong Place, Thredbo

As a result of my site inspection and review of the following documentation

(List of documentation reviewed)

Plan and Elevations by Edward Birch Architect, unreferenced, undated (attached)

I have determined that;

- the current load-bearing capacity of the existing building will not be exceeded or adversely impacted by the proposed development, and
- the proposed works are of such a minor nature that the requirement for geotechnical advice in the form of a geotechnical report, prepared in accordance with the "Policy", is considered unnecessary for the adequate and safe design of the structural elements to be incorporated into the new works, and
- in accordance with AS 2870.1 Residential Slabs and Footings, the site is to be classified as a type

(insert classification type)

Class P (Problem site), due to risk of slope instability

- I have attached design recommendations to be incorporated in the structural design in accordance with this site classification. ([refer recommendations below](#))

I am aware that this declaration shall be used by the Department as an essential component in granting development consent for a structure to be erected within the "G" line area (as identified on the geotechnical maps) of Kosciuszko Alpine Resorts without requiring the submission of a geotechnical report in support of the development application.

4. Signatures

Signature

Mark Bartel

Chartered professional status

CPEng, No 35641, NER

Name

Mark Bartel

Date

29 July 2017

5. Contact details

Alpine Resorts Assessments team

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Recommendations:

1. Footings for posts, walls etc to be founded on highly weathered or better grante, and may be designed for an allowable bearing pressure of 200kPa. Design and construction may be carried out in accordance with the recommendations and advice in AS2870-2011 'Residential Slabs and Footings' for a Class S site.
2. Footings to be clear of loose and softened material before concrete is poured.
3. Surface water runoff should be diverted away from the granite retaining wall adjacent to Buckwong Place and Diggins Terrace, via catch drain or drainage swale, details as per Civil /Stormwater Engineer.
4. The granite retaining wall is not cemented, and erosion is causing some of the pieces to become loose (see Plates 1 and 2 attached). In addition to 3. above, the gaps between granite pieces should be filled with mortar to reduce the risk of further erosion. Mortar should be minimum 75mm thick, f'c not less than 20MPa. Weep holes to be provided via pvc drain pipes, nominal 20mm diameter with geofabric wrapped around buried end, spacing not more than 1m horizontal and vertical.

Site Inspection Record

CLIENT	Dabyne Planning / Ski Club of Australia	JOB	4498	SHEET	1 of 1
PROJECT	Proposed Alterations and Additions	DATE	29 / 7 / 17	TIME	
LOCATION	1 Buckwong Place, Thredbo	BY	MAB	CHKD	



Plate 1: front elevation of rock wall immediately downslope of proposed new post for deck extension. Erosion of soil from behind the wall evident.



Plate 2: closeup view of section of rock wall showing erosion around individual pieces.

