Form 4 – Minimal Impact Certification

DA Number: DA 10666

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 Team in Jindabyne for further information - phone 02 6456 1733.

To complete this form, please place a cross in the appropriate boxes ☐ and complete all 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: Josef

Family Name: Major

OF

Company/organisation: Jamstone Pty Ltd

Planning, Industry & Environment
NSW GOVERNMENT
Issued under the Environmental Planning and Assessment Act 1979
Approved Application No 10666
Granted on the 3 November 2021
Signed M Brown
Sheet No 15 of 18

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

Snowstream 4, 1 Chimneys Way, Thredbo - Extension of Existing Deck

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

(List of documentation reviewed)

Cooma Steel Metaland: Morcom - Thredbo Deck Extension - Drawing No 02.RevA, dated 31 03 2021

G.O. Engineering - Field Notes

Site Photo, supplied by G.O. Engineering Consultants, dated 30 April 2021

* - Site inspection by G.O. Engineering Consultants

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 S

- ☒ I have attached design recommendations to be incorporated in the structural design in accordance with this site classification.

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.

2. Signatures

Signature

Chartered professional status

RPGeo (10135)

Name

Josef Major

Date

3 May 2021

3. Contact details

Alpine Resorts Team
Shop 5A, 19 Snowy River Avenue
P O Box 36, JINDABYNE NSW 2627
Telephone: 02 6456 1733
Facsimile: 02 6456 1736
Email: alpineresorts@planning.nsw.gov.au

JAMSTONE Pty Ltd

Independent Engineering Geology Services

Email: jamstonegeo@gmail.com
Mobile: 0478 619 776

Saxa locuuntur

Memorandum

To	Geoff Bowland	G.O. Engineering Consultants Pty Ltd	
cc			
Email:	geoff@goengineering.com.au		
From	Josef Major	**Date**	1 May 2021
Subject	Design Recommendations	**Project No.**	202111

Dear Geoff

The field notes, site photo and steel deck support drawing (Drawing No 2 Rev A) was reviewed by a Principal Engineering Geologist from Jamstone Pty Ltd. The purpose of the review was to identify design principles that will need to be considered for the proposed Deck Extension at the Snowstreams 4 building, located at 1 Chimneys Way, Thredbo, NSW. The review was requested in an email dated 30 April 2021.

Proposed Development

It is understood that the proposed development will comprise extension of an existing deck. The deck is proposed to be of steel construction, supported on concrete pad footings. Once completed, the deck will be braced by the existing building.

Site Conditions

Based on a site walkover survey by G.O. Engineering Consultants and experience in Thredbo, the site is underlain by medium dense or better sandy gravel of inferred alluvial origin. The clay component of the gravel is typically very low and of low plasticity. The gravel component typically comprises quartz and granite fragments, considered to be durable.

Geotechnical comments

1. All footings should be designed using the concepts and principles described in AS2870-2011, *Residential Slabs and Footings*.
2. An allowable bearing capacity of 100 kPa could be considered for medium dense or better sandy gravel of inferred alluvial origin. The actual ground conditions at the footing level should be confirmed during construction.
3. Should the density of the sandy gravel be less than medium dense, it should be compacted to achieve the density conditions used in the design assumptions.
4. The presence of subsurface services should be confirmed prior to any excavation to reduce the risk of damage to the services

5. The footing should not be placed above, or adjacent to an existing backfilled service trench. The foundation level should be below an imaginary 45° line drawn up from the base of any backfilled service trench.
6. No surface runoff should be allowed to pond at the footings of the proposed deck. All surface runoff, including roof water discharge, should be either directed away from the footings or piped away.
7. Should placement of filling be considered for the site, the site classification should be reviewed with considerations for the changed conditions.

Josef Major

Principal Engineering Geologist

BSc; M App Sc; MAIG, RPGeo

Attachments: Photo 1

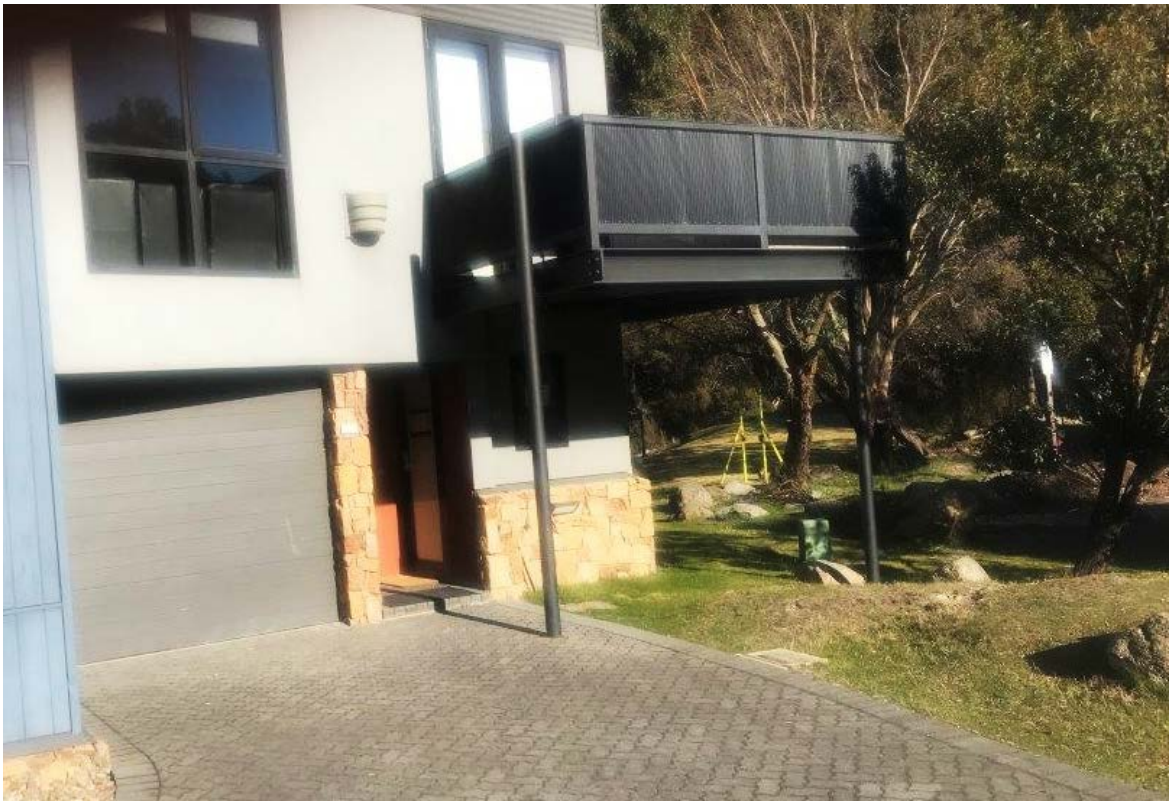

Photo 1: View of the existing deck, which is proposed to be extended, using the same structural support. Note flat ground surface.