

2 December 2020

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Michael Monester
Grollo Group
344 Mansfield St,
Thornbury, VIC 3071

Dear Sir,

**RE: PRELIMINARY GEOTECHNICAL ASSESSMENT FOR KOOROORA CHALET
EXTENSION**

1. INTRODUCTION

It is understood that the Grollo Group plan to extend the existing western building by adding an additional floor. This will mean the height of the western building would then match the existing apartment block over the car park. It is understood that the Department of Environment, Water and Planning (DEWLP) requires an assessment of the geotechnical stability of the proposed works.

This letter is presented as an addendum to the original geotechnical assessment for the site prepared by AS James Pty Ltd and presented in their report no. 117035 "Geotechnical Investigation Kooroora Hotel Sites 3 – 5 Mt Buller" dated 9 November 2015.

2. SITE CONDITIONS

The previous investigation at the site indicates that the building are founded on predominantly slightly weathered to fresh basalt of Tertiary age known as the Older Volcanics Basalt. This rock has been assessed as having a maximum bearing pressure of:

- 1200kPa for strip footings;
- 1000a for pad footings; and
- 1500kPa end bearing for piles.

3. RISK ASSESSMENT

The types of stability remain as previously assessed. The current maximum load due to the existing western building is less than 500kPa. The additional load due to the proposed extension

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will be less than 250kPa with a resultant total maximum load of less than 750kPa. This is within the existing foundation design loads and is considered unlikely to increase the existing assessment of risk to life and property.

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4. CLOSURE

We trust this meets your present needs. Should you require clarification of any aspect of the report, please contact the undersigned.

For and on behalf of Phil Styles & Associates Pty Ltd

Philip Styles

Principal Engineering Geologist

RPGeo 10,087

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