Date: 25 November 2022
Ref: 35659RHlet Rev1

Snow Culture Pty Ltd
PO Box 1074
KENT TOWN SA 5067

Attention: Mr Andy Thomas
Email: andy@jandys.com

GEOTECHNICAL REVIEW AND ENDORSEMENT
PROPOSED DECK
SMUGGLERS LODGE, 41 CORROBOREE ROAD, SMIGGINS HOLES, NSW

We confirm we have completed the following for Smugglers Lodge:

1. Signed Form 1 & 'Geotechnical Assessment' report, Ref. 29093RHrpt dated 17 May 2016 [JKG 2016];
2. Signed Form 2 & 'Geotechnical Review of Structural Drawings' letter, Ref. 29093RH Let2, dated 7 June 2017; and
3. Signed Form 3 'Final Geotechnical Certificate', dated 7 June 2017.

The above documents related to the design and construction of Smugglers Lodge which was completed in 2017.

We understand from information provided to us in emails dated 14, 16 & 24 November 2022, that a suspended deck for the parking of a vehicle is now proposed at the south-eastern corner of the site, adjacent to the existing lodge building. It is proposed to support the deck on 450mm diameter bored piles socketed 0.7m into granite bedrock suitable for an allowable bearing capacity of 600kPa.

Based on our review of the provided civil and structural drawings prepared by Triaxial Consulting (Project No. TX16909.00, both Issue A), we are satisfied that the advice contained in JKG 2016 has been incorporated into the design. Notwithstanding, we recommend the following additional geotechnical advice be adhered to:

1. A sewer passes below the north-western corner of the proposed deck. All bored piles must be offset at least 0.3m from the sewer (or more, if required by Department of Planning and Environment) and the nominated 0.7m socket in the bedrock is to be wholly below the invert level of the sewer;
2. During construction, a geotechnical engineer should be present on site to inspect the drilling of at least 3 of the 8 proposed bored piles to confirm the piles are being socketed to sufficient depth into granite bedrock and that adequate base cleanliness is being achieved prior to pouring; and

3. The gravel lined drain located below the south-eastern side of the proposed deck should be extended downslope to the creek to reduce the potential for erosion and scour at the discharge point.

Should you require any further information regarding the above, please do not hesitate to contact the undersigned.

Yours faithfully
For and on behalf of
JK GEOTECHNICS

Adrian Hulskamp
Senior Associate l Geotechnical Engineer
MIEAust CPEng 1480317 NER