GEOTECHNICS PTY LTD
CONSULTING GEOTECHNICAL ENGINEERS

14/1 Cowpasture Place, Wetherill Park, NSW 2164, Australia
(PO Box 6989, Wetherill Park, NSW 2164, Australia)
T +61 2 9756 2166 | **F** +61 2 9756 1137
www.stsgeo.com.au | enquiries@stsgeo.com.au
ABN 45 636 179 729 | **ACN** 636 179 729

February 1, 2023
Project No. 31984/6954D-G
Report No. 22/3399A
LI/ms

LANDSLIP ASSESSMENT

Client: Nastasi & Associates
Address: 79 Ashworth Avenue, Belrose
Proposed Development: Demolition of buildings and subdivision into two lots.

1. Geology and Site Description

The site is rectangular in shape with an area of approximately 1100m^2. A site inspection was undertaken by one of our Geotechnical Engineers on October 10, 2022. At the time of the inspection the site was occupied by a single-level residential dwelling in the northern portion of the site.

The ground surface falls approximately 6 metres to the south. The rear portion of the site consisted of a slightly sloped, grassed area, with some small trees and shrubs observed. To the south of the site, a sandstone cliff was observed, with sandstone bedrock outcrops evident.

The site is surrounded by residential dwellings to the south, east and west. Ashworth Avenue is located to the north.

The Sydney geological series sheet, at a scale of 1:100,000 shows that the site is underlain by Triassic Age Hawkesbury Sandstone bedrock. Bedrock within this formation comprises medium to coarse grained quartz sandstone.

Two boreholes were drilled using hand tools in the northern and southern portions of the site. The boreholes identified Sandy clay overlying sandstone bedrock. No significant filling was observed. Sandstone bedrock consistent with the geological setting was observed outcropping at the rear of the site.

GEOTECHNICS PTY LTD
CONSULTING GEOTECHNICAL ENGINEERS

2. Preliminary Landslip Assessment

STS understands that there are no proposed earthworks as part of the proposed subdivision. STS assumes houses will be built on two lots some time in the future. The Council landslip hazard map shows the property is within a Class B area.

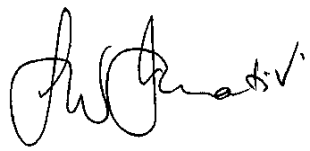
The preliminary landslip carried out is based on the check list give in Section E10 of the Warringah Council Development Control Plan. The assessment is as follows:

- Does the site or adjacent properties have a history of slope instability – No - No geotechnical report required.
- Are excavations or fills greater than 2 metres proposed – No – No geotechnical report required.
- Is the site developed – Yes.
- Is greater than 1 metre of fill present - No – No geotechnical report is required.
- Are cuts / excavations greater than 2 metres high present – No – No geotechnical report is required.

Based on our observations and Council's check list the outcome is that a detailed landslip assessment will not be required. However, as they become available, the architectural drawings must be reviewed, and this report updated accordingly. If a basement requiring excavation greater than 2.0 metres is proposed, or if the proposed structure is to be constructed within 25 metres of the sandstone cliff to the south of the property, then a detailed landslide risk assessment based on the guidelines published by the Australian Geomechanics Society will be required.

We trust this meets with your requirements. Should you have any questions, please contact us.

Yours faithfully,



Laurie Ihnativ
Geotechnical Engineer
STS Geotechnics Pty Limited