

Michael Standley & Associates Pty Ltd
4 St. Andrews Road
Leura NSW 2780

Project: Storage King Development
Project Location: 11-13 Rodborough Road Frenchs Forest
Report Number: 15133-GR-1-1
Report Date: 3 May 2022

LETTER REPORT ON PRELIMINARY GEOTECHNICAL ASSESSMENT

This letter report details the results of a preliminary geotechnical assessment undertaken at 11-13 Rodborough Road Frenchs Forest. Michael Standley & Associates Pty Ltd, architects for the project, requested the assessment on behalf of the property owners. The assessment was carried out by Alliance Geotechnical Pty Ltd (Alliance) on Friday 29th April 2022. The assessment was made in order to comply with a directive from Northern Beaches Council (formerly Warringah Council) for a preliminary geotechnical assessment to be carried out for submission with the development application as the site is located within Area A and Area B on Warringah Councils landslip risk map.

It is understood that the proposed development consists of replacing the existing signage for the Storage King business which will involve some minor building works replacing some cladding. The details of the proposed development are presented on Michael Standley & Associates Pty Ltd drawings, Drawing No. 1308:A3:01, 1308:A3:02, 1308:A3:03 and 1308:A3:04, all Revision DA dated 24 March 2022. The aim of the inspection was to provide an assessment of site stability and any affect the proposed development may have.

The site is located on the southern side of Rodborough Road in Frenchs Forest with ground slopes falling to the east at approximately 5° and the rear southern half of the site falling to the south at a similar grade. The majority of the site is concrete paved with a small grassed area located in the north eastern corner and a grassed strip adjacent to the front building along the eastern boundary. The Storage King facility consists of two, three level buildings with a concrete driveway along the western boundary.

Reference to the Sydney 1:100,000 Geological Sheet indicates that the site is underlain by Hawkesbury Sandstone from the Wianamatta Group, of the Triassic Period. The Hawkesbury Sandstone formation typically comprises medium to coarse grained quartz sandstone with very minor shale and laminite lenses. The rocks of these formations typically weather to form low and moderately reactive sandy clay soils but highly reactive clay soils are possible.

Based on the results of the inspection of the existing storage facility buildings and surrounds, the site appears to be stable with no evidence of recent movement or past instability over the design life of the current development that appears to have been constructed within the last 20 years. The proposed development and its impact of the site and surrounds has been assessed and it is considered that the proposed development will not create an unacceptable risk of instability to this or adjoining sites if carried out in accordance with accepted building standards. As such, in accordance with Section E10 of Warringah Councils DCP 2011, a full geotechnical investigation and report is not required for submission with the development application.

Assessment of the site has been made in accordance with the methods and requirements as outlined by the Australian Geomechanics Society "Landslide Risk Management", Australian Geomechanics Journal Vol 42, No 1, March 2007, and Section E10 of Warringah Councils DCP 2011.

Should you require any additional information please contact the writer at this office.

Written by



Lachlan Taylor
BE (Civil) MIEAust CPEng NER RPEQ APEC IntPE (Aus)
Principal Geotechnical Engineer
Alliance Geotechnical Pty Ltd

Attachments: Photos 1 to 3



Photo 1 – View of site from Rodborough Road, looking south east.



Photo 2 – View of Building 2, looking south east.



Photo 3 – View of driveway leading to rear section of Building 2 and rear of site.