

J2251. 21st June, 2019 Page 1.

PRELIMINARY GEOTECHNICAL ASSESSMENT:

15 Cooper Close, Beacon Hill.

1.0	LANDSLIP RISK CLASS (Highlight indicates Landslip Risk Class of property)
	A - Geotechnical Report not normally required
	B - Geotechnical Engineer (Under Council Guidelines) to decide if Geotechnical Report is required
	C - Geotechnical Report is required
	D - Geotechnical Engineer (Under Council Guidelines) to decide if Geotechnical Report is required
	E - Geotechnical Report required

2.0 Proposed Development

- **2.1** Add an additional level to the existing house.
- **2.2** No excavations are required. No fills are shown on the plans.
- **2.3** Details of the proposed development are shown on 7 drawings by Raise The Roof, numbered Sheet 1-7 and dated 6.6.19.

3.0 Site Location

- **3.1** The site was inspected on the 18th June, 2019.
- 3.2 This residential property has an E aspect but the block runs longways to the S so the slope is a slight cross fall. It is located on the gentle to moderately graded upper reaches of a hillslope. Medium Strength Hawkesbury Sandstone bedrock outcrops at the street frontage and to the S of the house. Where sandstone is not exposed, it is expected to underlie the surface at relatively shallow depths. The natural surface of the block has been altered little with the development of the block apart from some very low filling along the E boundary to level the site. The proposed development will not alter the surface further.



J2251.

21st June, 2019

Page 2.

3.3 The site shows no indications of historical movement in the natural surface

that could have occurred since the property was developed. We are aware of no

history of instability on the property.

4.0 Site Description

At the NE corner of the block at the street frontage the surface rises in a couple of sandstone

steps of ~ 1.0m high each. The rock is competent and of medium strength or better. No

undercutting or other geological defects were observed in the rock face and it is considered

stable. Within the E boundary the site is close to level but slopes very gently to the E. The

brick two storey house has been well maintained and appears mostly unaltered since its

construction. The external supporting walls show no signs of cracking or other movement

related to slope instability. No internal access to the house was available at the time of the

inspection. The near level surface surrounding the house is partially lawn covered but to the

S of the house exposed bedrock covers approximately a third of the yard. No signs of

movement associated with slope instability were observed on the grounds. No cliffs or large

rock faces were observed on the property or in the near vicinity. The adjoining neighbouring

properties were observed to be in good order as seen from the road and the subject property.

6.0 Recommendations

The proposed development and site conditions were considered and applied to the Council

Flow Chart.

Provided good engineering and building practice are followed, no further Geotechnical

assessment is recommended for the proposed development.

White Geotechnical Group Pty Ltd.

Ben White M.Sc. Geol., AuslMM., CP GEOL.

Felice

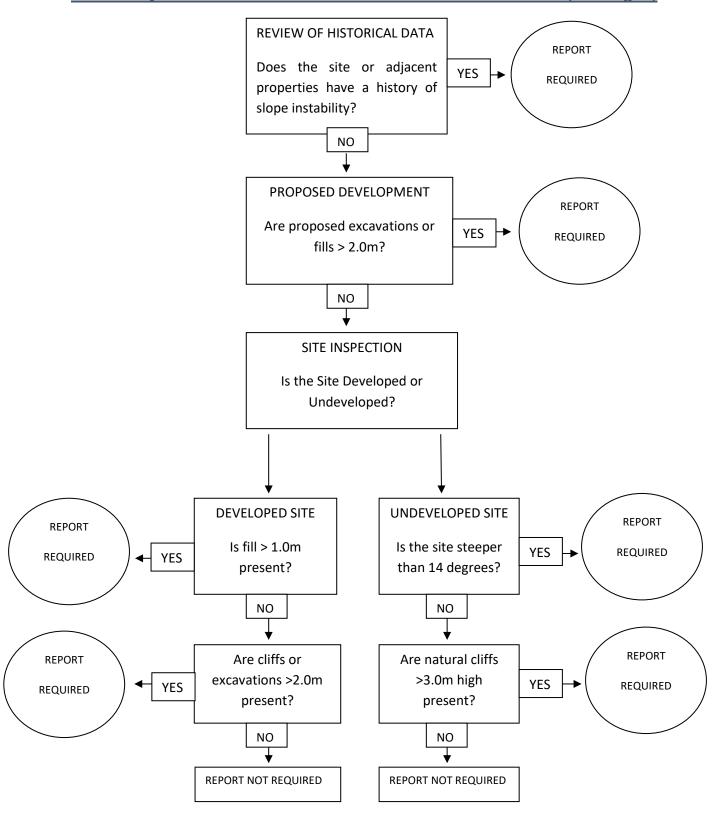
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Engineering Geologist



J2251. 21st June, 2019 Page 3.

Preliminary Assessment Flow Chart – Northern Beaches Council (Warringah)





J2251. 21st June, 2019 Page 4.

Information about your Preliminary Assessment

This Preliminary Assessment relies on visual observations of the surface features observed during the site inspection. Where reference is made to subsurface features (e.g. the depth to rock) these are interpretations based on the surface features present and previous experience in the area. No ground testing was conducted as part of this assessment and it is possible subsurface conditions will vary from those interpreted in the assessment.

In some cases, we will recommend no further geotechnical assessment is necessary despite the presence of existing fill or a rock face on the property that exceed the heights that would normally trigger a full geotechnical report, according to the Preliminary Assessment Flow Chart. Where this is the case, if it is an existing fill, it is either supported by a retaining wall that we consider stable, or is battered at a stable angle and situated in a suitable position on the slope. If it is a rock face that exceeds the flow chart limit height, the face has been deemed to be competent rock that is considered stable. These judgements are backed by the inspection of over 5000 properties on Geotechnical related matters.

The proposed excavation heights referred to in section 2.0 of this assessment are estimated by review of the plans we have been given for the job. Although we make every reasonable effort to provide accurate information excavation heights should be checked by the owner or person lodging the DA. If the excavation heights referred to in in section 2.0 of this assessment are incorrect we are to be informed immediately and before this assessment is lodged with the DA.