

PRELIMINARY GEOTECHNICAL ASSESSMENT:

2 Rounce Avenue, Forestville

1.0	LANDSLIP RISK CLASS (<i>Highlight indicates Landslip Risk Class of property</i>)
<input checked="" type="checkbox"/>	A - Geotechnical Report not normally required
<input checked="" type="checkbox"/>	B - Geotechnical Engineer (Under Council Guidelines) to decide if Geotechnical Report is required
<input type="checkbox"/>	C - Geotechnical Report is required
<input type="checkbox"/>	D - Geotechnical Engineer (Under Council Guidelines) to decide if Geotechnical Report is required
<input type="checkbox"/>	E - Geotechnical Report required

2.0 Proposed Development

- 2.1** Construct a new driveway and garage.
- 2.2** Extend the ground floor and first floor of the existing house on the N side.
- 2.3** Other minor internal and external alterations to the existing house.
- 2.4** Extend the existing deck on the downhill side of the house to the N.
- 2.5** No significant excavations or fills are shown on the plans.
- 2.6** Details of the proposed development are shown on 6 drawings prepared by Neil Harvey, job number 2057, drawings numbered DA-1 to DA-6, dated 28/4/21.

3.0 Site Location

- 3.1** The site was inspected on the 10th May, 2021.
- 3.2** This residential property is on the low side of the road and has a NW aspect. It is located on the gently graded upper reaches of a hillslope. Medium Strength Hawkesbury Sandstone bedrock outcrops on the downhill side 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 with a cut for the pool. The proposed development will not alter the surface significantly for the proposed works.

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

The ground surface uphill of the house is near level. The natural slope falls from the uphill side of the house to the downhill property boundary at an average angle of $\sim 5^\circ$. A concrete and paved driveway runs to a parking area on the uphill side of the house. Between the Road frontage and the house is a near level lawn and garden area. The part two storey rendered brick and timber clad house is supported by brick walls and brick piers. The supporting walls and piers stand vertical and show no significant signs of movement. Medium Strength Hawkesbury Sandstone bedrock outcrops on the downhill side of the house. A timber deck in good condition extends off the downhill side of the house. A gently sloping lawn and pool in good condition are located on the downhill side of the house. A concrete block retaining wall up to $\sim 1.4\text{m}$ high is located along part of the N common boundary and supports fill on the N neighbouring property. The wall displays some fine cracking through the blockwork and mortar but is considered to be stable. A stable low masonry retaining wall supports a cut on the W neighbouring property near the W common boundary. No signs of movement associated with slope instability were observed on the grounds. The adjoining neighbouring properties were observed to be in good order as seen from the road and the subject property.

5.0 Recommendations

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

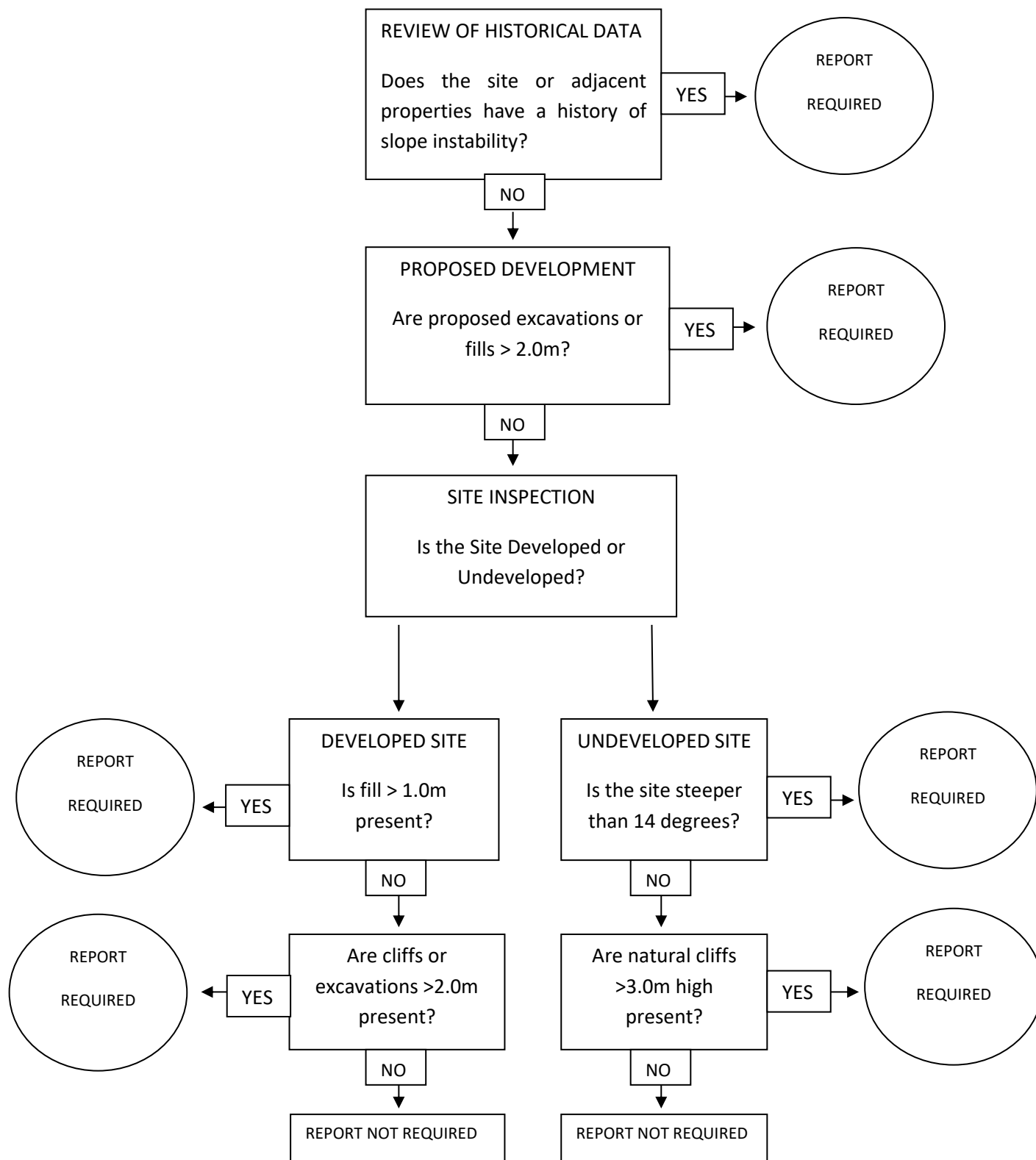
Provided good engineering and building practice are followed, no further Geotechnical assessment is recommended for the proposed development.

White Geotechnical Group Pty Ltd.



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Preliminary Assessment Flow Chart – Northern Beaches Council (Warringah)



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.
