

PRELIMINARY GEOTECHNICAL ASSESSMENT:

43 Parkes Street, Manly Vale

1.0	LANDSLIP RISK CLASS (<i>Highlight indicates Landslip Risk Class of property</i>)
<input 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

1.0 Proposed Development

- 1.1** Construct a new carport on the uphill side of the house.
- 1.2** No excavations are required. No fills are shown on the plans.
- 1.3** Details of the proposed development are shown on 3 drawings by ATS Awnings, project number TG3157, drawings numbered 1-3, dated 20.05.2021.

2.0 Site Location

- 2.1** The site was inspected on the 11th June, 2021.
- 2.2** This residential property is on the low side of the road and has a SE aspect. It is located on the moderately graded upper middle reaches of a hillslope. Competent Medium Strength Hawkesbury Sandstone bedrock can be seen outcropping on the neighbouring property to the E. It is expected to underlie the surface of the subject block at relatively shallow depths. The current development of the block has altered the natural surface significantly with a cut for the house and a cut and filling to reduce the cross fall of the yard below the house and terracing of the slope below that

extends to the downhill boundary. The proposed development will not alter the surface further.

2.3 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.

3.0 Site Description

The natural slope falls across the property at an average angle of 8°. At the road frontage, a concrete driveway runs to a parking area on the uphill side of the property. Between the road frontage and the house is a level lawn and garden area. The cut for the lawn area is supported by a stable, concrete block retaining wall that also supports the concrete slab for the driveway and parking area. The fill for the lawn area is supported by a stable brick retaining wall along the E common boundary. The part two-storey rendered brick house is supported on brick walls. The visible, external brick walls show no significant signs of movement. No access to the house was available at the time of the inspection. A stable, ~2.3m high concrete block retaining wall supports a level patio area immediately below the house. Another separate, stable ~1.5m high concrete block retaining wall supports the fill for the W neighbouring lawn. A gentle to moderately sloping lawn and garden area extends off the level patio area to the lower common boundary. The slope has been terraced by a series of stable timber retaining walls reaching up to ~0.6m high. A sandstone floater was embedded in the slope and noted to be in a stable resting position. The area surrounding the house is mostly paved and lawn covered. 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.

4.0 Recommendations

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

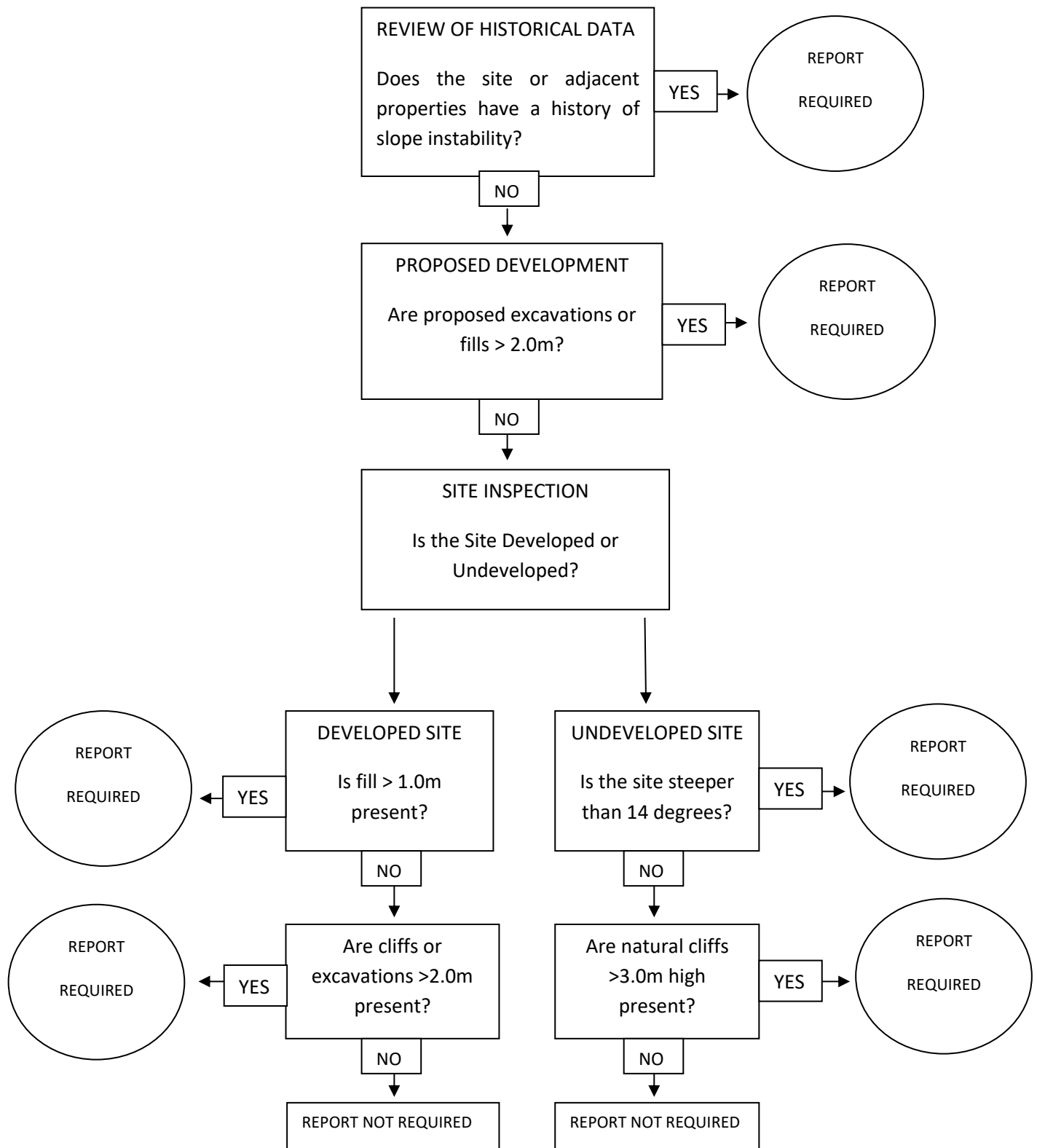
Provided good engineering and building practice are followed no further Geotechnical assessment is recommended.

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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.
