

PRELIMINARY GEOTECHNICAL ASSESSMENT:

19 Mons Road, North Balgowlah

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

2.0 Proposed Development

- 2.1** Install a pool on the downhill side of the property by excavating to a maximum depth of ~2.0m.
- 2.2** Level the area around the pool by filling to a maximum height of ~1.2m.
- 2.3** Construct a new driveway on the uphill side of the property.
- 2.4** Details of the proposed development are shown on 16 drawings prepared by Outside Living, project number 22-13, drawings numbered 01 to 05, and 6 to 16, dated 16.3.22.

3.0 Site Location

- 3.1** The site was inspected on the 24th May, 2022.
- 3.2** This residential property is on the high side of the road and has a W aspect. It is located on the gentle to moderately graded upper reaches and crest of a hillslope. The Sydney 1:100 000 Geological sheet indicates the site is underlain by Hawkesbury Sandstone. It is described as a medium to coarse grained quartz sandstone with very minor shale and laminite lenses. The natural surface of the block has not been altered

significantly. The proposed development will require a ~2.0m cut for the pool and a ~1.2m fill for to create a level lawn area.

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 property is accessed by a driveway that passes between two properties (No. 124 & No. 128) with road frontage. The subject property is located behind No. 128. At the road frontage, a concrete driveway rises over the crest of the slope and falls to garage on the uphill side of the house. In between the road frontage and the house is a gently sloping lawn area. The two-storey timber clad house is supported on timber posts. The house is currently under construction. A moderately sloping lawn extends off the downhill side of the house to the lower common boundary. The area surrounding the house is almost entirely lawn covered. No significant 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.

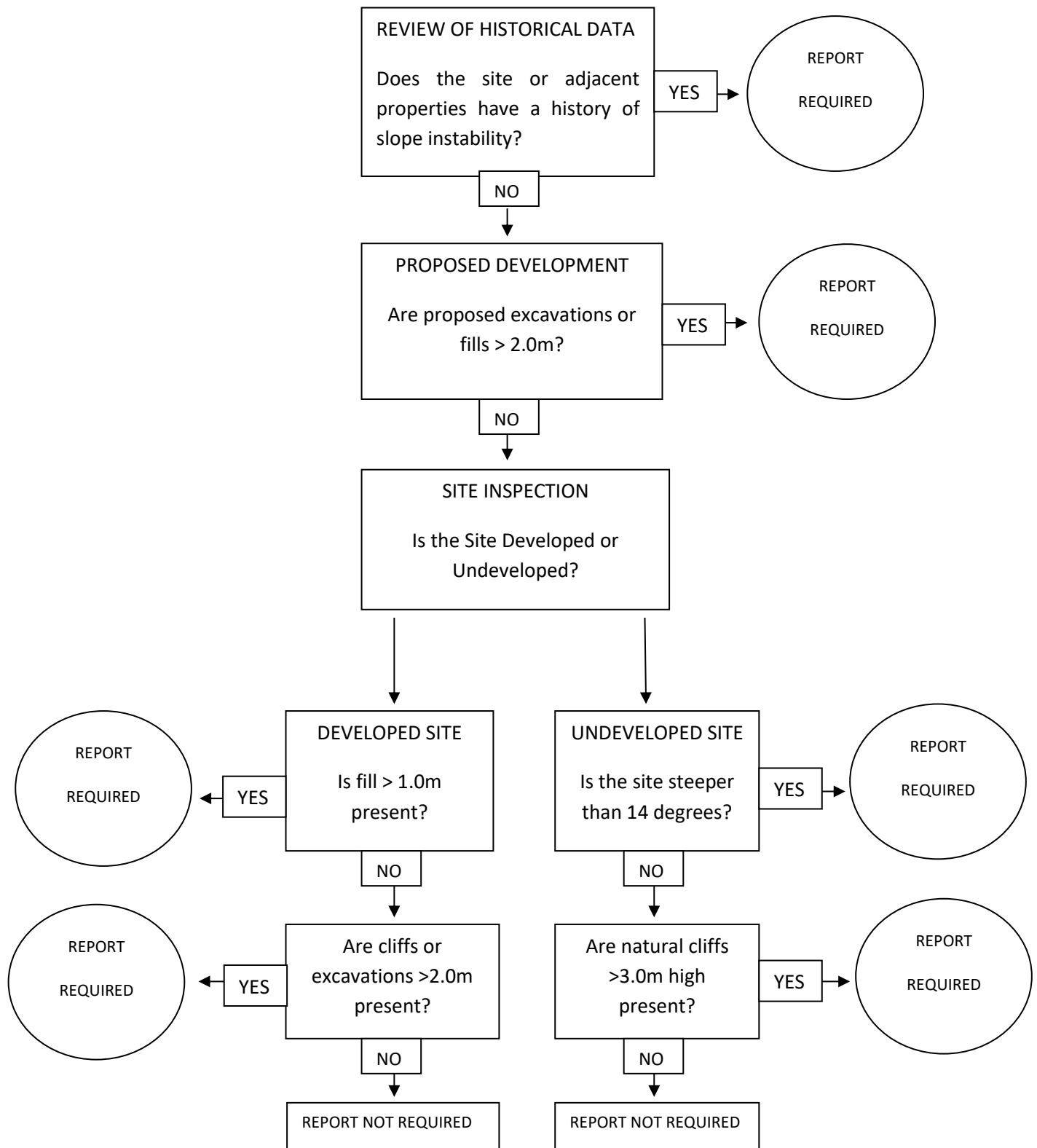
Provided good engineering and building practice are followed, no further Geotechnical assessment is recommended for the proposed development.

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.
