

PRELIMINARY GEOTECHNICAL ASSESSMENT: **28 Woodbine Street, North Balgowlah**

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

2.0 Proposed Development

- 2.1** Widen the driveway and extend the existing garage to make a double.
- 2.2** Construct a covered deck that extends from the garage to the house.
- 2.2** Some minor levelling may be required but no significant excavations or fills are shown on the plans.
- 2.3** Details of the proposed development are shown on 4 drawings prepared by Corona Projects numbered sheet 00 -03 and dated May 2019.

3.0 Site Location

- 3.1** The site was inspected on the 18thth June, 2019.
- 3.2** This residential corner property has a SE aspect. The block runs longways to the N so the natural slope has a slight cross-fall. It is located on the gently graded middle reaches of a hillslope. No rock outcrops on the property. The Sydney 1:100 000 Geological sheet indicates the site is underlain by Hawkesbury Sandstone that is described as a medium to coarse grained quartz sandstone with very minor shale and laminite lenses. Sandstone bedrock is expected to underlie the surface at relatively

shallow depths. The natural surface of the block has been altered with shallow excavations on the W side to level the property. The proposed development will not alter the surface further.

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 surface across the property slopes very gently due to low cutting carried out during the development of the site. The cut batter that levels the site runs beyond the W boundary and drops from the road side at stable angles. It is lawn covered and populated in spaced mature gum trees. The rendered brick two storey house has been relatively recently renovated. The external supporting walls show no signs of cracking or other movement related to slope instability. The visible brick piers in the foundation space stand vertical. No internal access to the house was available at the time of the inspection. The surface surrounding the house is mostly lawn covered. A slightly raised single garage is located at the N rear of the site. 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.

5.0 Recommendations

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

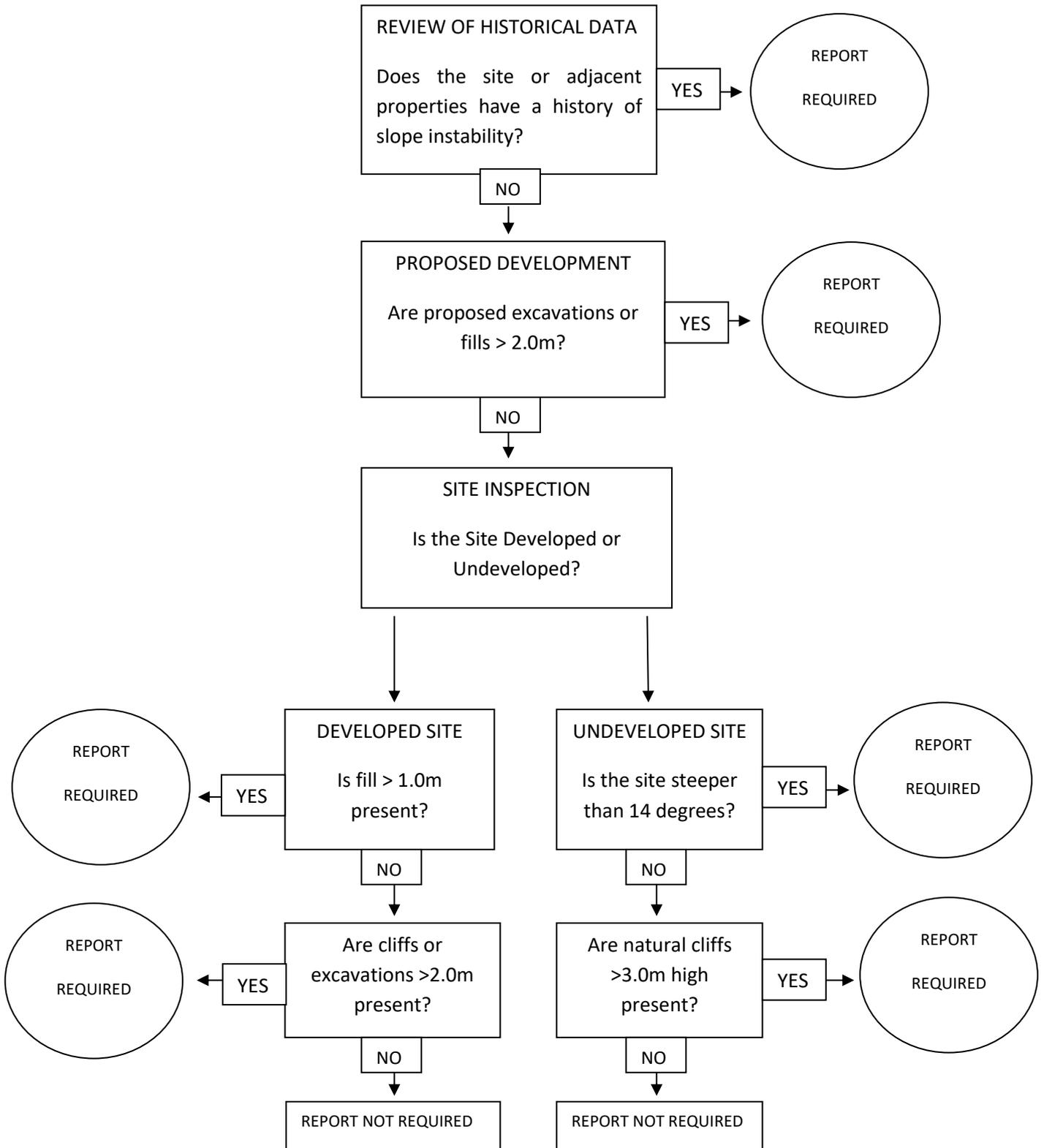
Provided good engineering and building practice are followed, no further Geotechnical assessment is recommended for the proposed development.

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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.
