

PRELIMINARY GEOTECHNICAL ASSESSMENT:
17 Farrer Place, Frenchs Forest

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| 1.0 | LANDSLIP RISK CLASS (<i>Highlight indicates Landslip Risk Class of property</i>) |
| <input 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** Construct a new paved area on the downhill side of the house. Construct a roof over the NW portion of the proposed paved area.
- 2.2** Landscaping works requiring minor levelling and filling to a maximum depth of ~1.3m.
- 2.3** No significant excavations are shown on the plans.
- 2.4** Details of the proposed development are shown on 6 drawings prepared by Space Landscape Designs, project number 222007, drawings numbered DA-01 to DA-06, Revision C, dated 13/10/22.

3.0 Site Location

- 3.1** The site was inspected on the 11th October, 2022.
- 3.2** This residential property is on the low side of the road and has a SW 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 and low cuts and fills for paved and garden areas across the property. The proposed landscaping works will require filling to a maximum depth of ~1.3m.

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 land surface falls across the property at an average angle of ~5°. At the road frontage, a concrete right of carriageway (ROW) runs down the slope to a brick garage attached to the ground floor of the house. A stable stack rock retaining wall up to ~1.3m high along the uphill property boundary supports fill on the uphill neighbouring property. A low cut lined by sandstone flagging provides a level platform for a paved area on the uphill side of the house. The part two storey brick and timber clad house is supported by brick walls. The external supporting walls show no significant signs of movement and the. Low filling provides a level platform for a paved area on the downhill side of the house. Medium Strength Hawkesbury Sandstone bedrock outcrops on the downhill side of the paved area. A stable pool with timber deck and pergola is located near the downhill property boundary. The area surrounding the house is mostly lawn/garden covered or paved. 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.



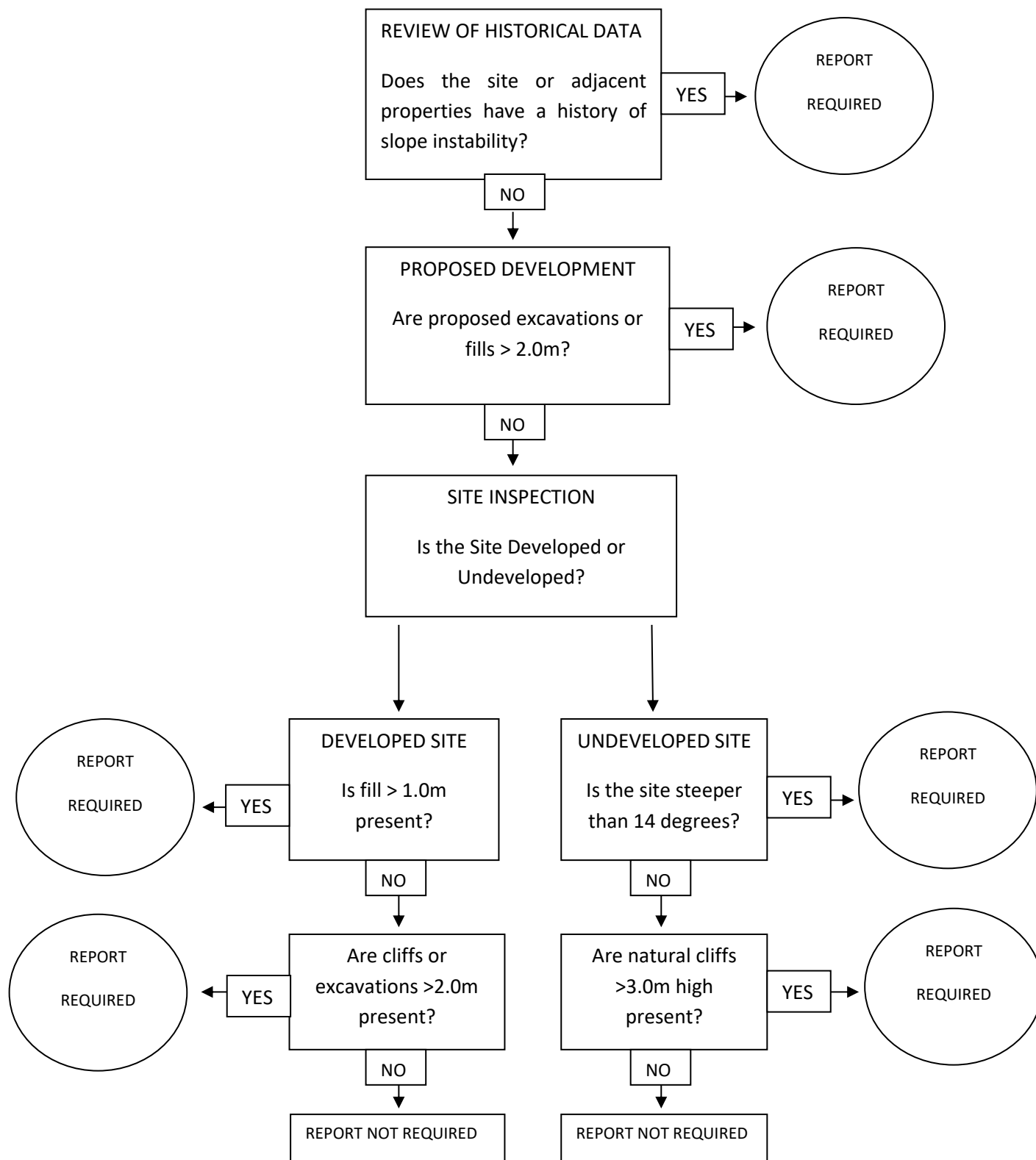
Dion Sheldon
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Reviewed By:



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No. 222757
Engineering Geologist.

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.
