

PRELIMINARY GEOTECHNICAL ASSESSMENT:

11 Parni Place, Frenchs Forest

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|-------------------------------------|---|
| 1.0 | LANDSLIP RISK CLASS (Highlight indicates Landslip Risk Class of property) |
| <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** Construct a new driveway and landscape the downhill side of the property by excavating to a maximum depth of ~1.9m and filling to a maximum height of ~0.6m.
- 2.2** Details of the proposed development are shown on 7 drawings prepared by Sammy Fedele, project number 14/22, drawings numbered DA01 to DA07, dated 11.11.22.

3.0 Site Location

- 3.1** The site was inspected on the 14th December, 2022.
- 3.2** This residential property is on the high side of road and has a SW aspect. It is located on the gentle to moderately 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 a cut to level the block for the house and a fill for two

lawn areas. The proposed development will require a cut to widen the driveway to a maximum depth of ~1.5m and a fill to level the lawn area to a maximum height of ~0.6m.

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 natural surface rises across the property at an average angle of ~9°. At the road frontage, a concrete driveway runs up the slope to a garage underneath the W side of the house. In between the road frontage and the house is a gently sloping lawn area. The fill for the lawn area is supported by a stable ~0.5m high sandstone block retaining wall. The single-storey rendered brick house is supported on brick walls and sandstone block walls. The external brick walls and sandstone blocks show no significant signs of movement. A cut to create the level platform for the house is supported by a stable ~0.7m high sandstone block retaining wall. A concrete pool has been constructed on the uphill side of the property. Large cracking between 5mm and 7mm run from the top to the bottom of the infill wall surrounding the pool which indicates the wall has not been founded on uniform material. The pool shell did not appear to have moved significantly as measured by the level of the water against the tiles. A level lawn area extends off the N side of the house to the N common boundary. The area surrounding the house is mostly lawn and paving covered. No significant 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. No geotechnical hazards that could impact on the subject property were observed on the surrounding neighbouring properties as viewed from the subject property and the street.

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.



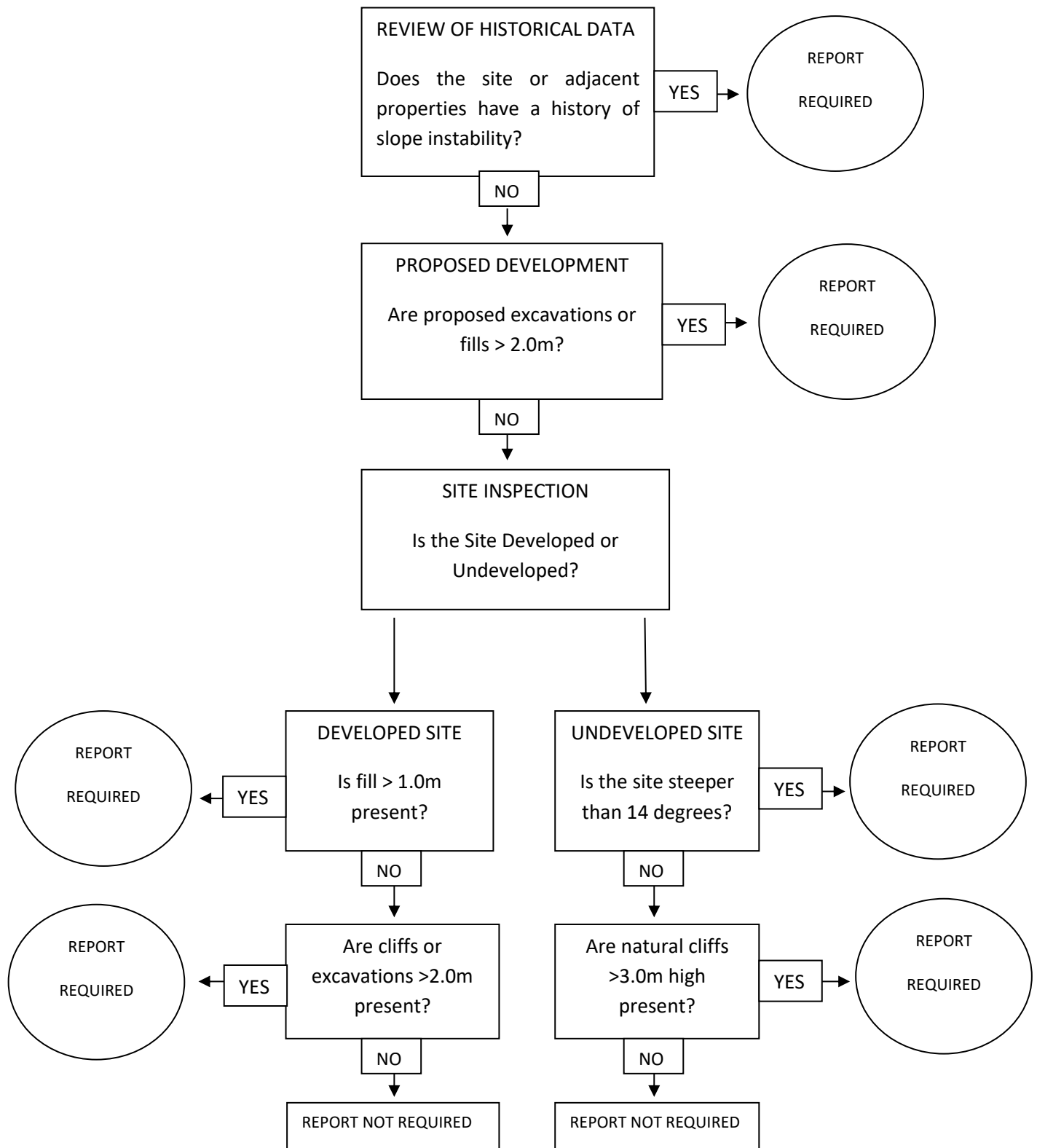
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Reviewed By:



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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.
