



## Engineering Referral Response

<b>Application Number:</b>	DA2020/0194
<b>Date:</b>	20/03/2020
<b>To:</b>	Thomas Burns
<b>Land to be developed (Address):</b>	Lot 1 DP 392257 , 8 Bungan Head Road NEWPORT NSW 2106

### Reasons for referral

This application seeks consent for the following:

- New Dwellings or
- Applications that require OSD where additional impervious area exceeds 50m2 or
- Alterations to existing or new driveways or
- Where proposals affect or are adjacent to Council drainage infrastructure incl. watercourses and drainage channels or
- Torrens, Stratum and Community Title Subdivisions or
- All new Commercial and Industrial and RFB Development with the exception of signage or
- Works/uses in flood affected areas

And as such, Council's development engineers are required to consider the likely impacts on drainage regimes.

### Officer comments

The proposed development is located within a Geo technical Hazard H1 area. In accordance with Clause B3.1 Landslip Hazard of Pittwater DCP 201, a risk assessment is to be undertaken (Geo technical Risk Management Policy for Pittwater) for the site and submitted to Council. In this regards a geotechnical report, addressing the Geo technical Risk Management Policy for Pittwater and include the forms 1 and 1(a) including the proposed stormwater management for the development.

DATED 20/03/2020

The submitted Geo-technical report certifies that the development is considered minor and is acceptable. No Development Engineering objection subject to conditions.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

### Recommended Engineering Conditions:

#### CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

##### Stormwater Disposal

The applicant is to demonstrate how stormwater from the new development within this consent is disposed of to an existing approved system or in accordance with Northern Beaches Council's Clause B5.10 PITTWATER DCP21. Details by an appropriately qualified and practicing Civil Engineer demonstrating that the existing approved stormwater system can accommodate the additional flows, or compliance with the Council's specification are to be submitted to the Certifying Authority for approval prior to the issue of the Construction Certificate.

Reason: To ensure appropriate provision for disposal and stormwater management arising from development.

##### Geotechnical Report Recommendations have been Incorporated into Designs and Structural Plans

The recommendations of the risk assessment required to manage the hazards as identified in the Geotechnical Report prepared by White geotechnical group dated 17th March 2020 are to be incorporated into the construction plans. Prior to issue of the Construction Certificate, Form 2 of the Geotechnical Risk Management Policy for Pittwater (Appendix 5 of P21 DCP) is to be completed and submitted to the Accredited Certifier. Details demonstrating compliance are to be submitted to the Principal Certifying Authority prior to the issue of the Construction Certificate.

Reason: To ensure geotechnical risk is mitigated appropriately.

##### Vehicle Driveway Gradients and parking

The Applicant is to ensure driveway gradients and parking within the private property and road are to be in accordance AS/NZS 2890;1:2004. Access levels across the road reserve are to match the existing road levels. All car port structures are to be located within the private property, Details demonstrating compliance (certification from Civil or traffic Engineer) are to be submitted to the Certifying Authority for approval prior to the issue of the Construction Certificate.

Reason: To ensure suitable vehicular access to private property.

#### CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

##### Road Reserve

The applicant shall ensure the public footways and roadways adjacent to the site are maintained in a safe condition at all times during the course of the

work.

Reason: Public safety.

**CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE OCCUPATION CERTIFICATE**

**Stormwater Disposal**

The stormwater drainage works shall be certified as compliant with all relevant Australian Standards and Codes by a suitably qualified person. Details demonstrating compliance are to be submitted to the Principal Certifying Authority prior to the issue of any interim / final Occupation Certificate.

Reason: To ensure appropriate provision for the disposal of stormwater arising from the development.

**Geotechnical Certification Prior to Occupation Certificate**

The Applicant is to submit the completed Form 3 of the Geotechnical Risk Management Policy (Appendix 5 of P21 DCP) to the Principal Certifying Authority prior to issue of the Occupation Certificate.

Reason: To ensure geotechnical risk is mitigated appropriately.