

## Engineering Referral Response

<b>Application Number:</b>	DA2019/1429
<b>To:</b>	Tony Collier
<b>Land to be developed (Address):</b>	Lot 187 DP 752017 , 187 / 752017 Tooronga Road TERREY HILLS NSW 2084

### 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

#### Overland Flow:

The property is shown on Council's best available flood mapping as affected by overland flow flooding. Insufficient information has been provided to address the impact of overland flow flooding. In accordance with Council's Warringah Water Management Policy Section 9.3, any future submission shall include, but not be limited to, an address of the following:

- The site survey and all levels shall be provided to Australian Height Datum (AHD).
- Catchment plan highlighting the full upstream catchment(s).
- Calculations indicating existing 1% AEP flows of any overland flow paths and capacity of the existing creeks/dams.
- Calculations indicating existing 1% AEP flood levels and extents of any overland flow path.
- Demonstration of compliance with flood related development controls, in particular Warringah LEP 2011 Section 6.3 and DCP 2011 Section E11.
- Appropriate freeboard above the 1% AEP flood level shall be applied for the proposed future floor levels and carpark entry levels. This is to ensure that the proposed future dwellings and car parking areas are protected in major storm events.

The proposed application cannot be supported by Development Engineering due to lack of information to address:

- Stormwater drainage for the development in accordance with clause C4 Stormwater.

The proposal is therefore unsupported.

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

**Recommended Engineering Conditions:**

Nil.