

## Natural Environment Referral Response - Flood

<b>Application Number:</b>	DA2019/0505
<b>To:</b>	Rebecca Englund
<b>Land to be developed (Address):</b>	Lot 2 DP 9900 , 876 Pittwater Road DEE WHY NSW 2099 Lot 3 DP 9900 , 876 Pittwater Road DEE WHY NSW 2099 Lot 4 DP 9900 , 876 Pittwater Road DEE WHY NSW 2099 Lot 1 DP 9900 , 874 Pittwater Road DEE WHY NSW 2099

### Reasons for referral

This application seeks consent for the following:

- All Development Applications on land below the 1 in100 year flood level;
- All Development Applications located on land below the Probable Maximum Flood levels.

And as such, Council's Natural Environment Unit officers are required to consider the likely impacts on drainage regimes.

### Officer comments

The development proposes a new mixed use, multi-level building with multi-level basement car park. The site is affected by the one in 100 year flood extent. All ground floor levels comply with the Flood Planning Levels as determined by the Dee Why South Flood Study 2013, except for the foyer between Retail 10 and Retail 11, which is below the Flood Planning Level of 18.56m AHD at that location. Subject to conditions, the development is compliant with Council's flood prone land controls.

### Referral Body Recommendation

Recommended for approval, subject to conditions

### Recommended Natural Environment Conditions:

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

### Flooding

In order to protect property and occupants from flood risk the following is required:

#### Building Components and Structural Soundness – C1

All new development shall be designed and constructed as flood compatible buildings in accordance with Reducing Vulnerability of Buildings to Flood Damage: Guidance on Building in Flood Prone Areas, Hawkesbury-Nepean Floodplain Management Steering Committee (2006).

#### Building Components and Structural Soundness – C2

All new development must be designed and constructed to ensure structural integrity up to the Probable Maximum Flood level, taking into account the forces of floodwater, wave action,

flowing water with debris, buoyancy and immersion. Structural certification shall be provided confirming the above.

#### Building Components and Structural Soundness – C3

All new electrical equipment, power points, wiring, fuel lines, sewerage systems or any other service pipes and connections must be waterproofed and/or located above the respective Flood Planning Level. All existing electrical equipment and power points located below the respective Flood Planning Level must have residual current devices installed cut electricity supply during flood events. Refer to the The Flood Management Report (Version D) prepared by Demlakian Engineering dated 19 March 2019 for the relevant Flood Planning Level.

#### Flood Emergency Response – E2

Appropriate access to the shelter in place refuge should be available from all areas of the new development.

#### Floor Levels – F1

New floor levels within the development shall be set at or above the relevant Flood Planning Level. Refer to the The Flood Management Report (Version D) prepared by Demlakian Engineering dated 19 March 2019 for the relevant Flood Planning Level. As per the Flood levels in the Flood Management Report, the foyer between Retail 10 and Retail 11 on the ground floor must be raised to the relevant flood planning level for the location of 18.56m AHD.

#### Car parking – G3

All access, ventilation and any other potential water entry points, including entry ramp crests to the basement car park shall be at or above the relevant Flood Planning Level. Refer to the The Flood Management Report (Version D) prepared by Demlakian Engineering dated 19 March 2019 for the relevant Flood Planning Level.

#### Recommendations

The development must comply with all recommendations outlined in:

- The Flood Management Report (Version D) prepared by Demlakian Engineering dated 19 March 2019.

Details demonstrating compliance are to be submitted to the Certifying Authority prior to the issue of the Construction Certificate.

**Reason:** To reduce the impact of flooding and flood liability on owners and occupiers of flood-prone property and reduce public and private losses in accordance with Council and NSW Government policy.