

Natural Environment Referral Response - Flood

Application Number:	DA2023/0208
Proposed Development:	Alterations and additions to an existing dual occupancy to create a single dwelling on each lot
Date:	27/06/2023
To:	Stephanie Gelder
Land to be developed (Address):	Lot 30 DP 2427 , 184 Pittwater Road MANLY NSW 2095

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 alterations and additions to each of the existing dual occupancy development and construct a new swimming pool and deck area of each lot.
Subject to conditions the development is compliant with Council's flood related development controls.

The proposal is therefore supported.

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

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:

Flood Effects Caused by Development – A2

There is to be no filling of the land or any other reduction of the available flood storage which results in a net loss of storage below the 1% AEP flood level of 6.66m AHD.

Building Components and Structural Soundness – B1

All new development below the FPL of 7.16m AHD shall be designed and constructed as flood compatible materials.

Building Components and Structural Soundness – B2

All new development must be designed to ensure structural integrity up to the Flood Planning Level 7.16m AHD, taking into account the forces of floodwater, wave action, flowing water with debris, buoyancy and immersion.

Building Components and Structural Soundness – B3

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 Flood Planning Level of 7.16m AHD. All existing electrical equipment and power points located below the Flood Planning Level must have residual current devices installed to cut electricity supply during flood events.

Fencing – F1

New fencing (including pool fencing, boundary fencing, balcony balustrades and accessway balustrades) shall be open to allow for the unimpeded movement of flood waters. It must be designed with a minimum of 50% open area from the natural ground level up to the 1% AEP flood level of 6.66m AHD. Openings should be a minimum of 75mm x 75mm.

Storage of Goods – G1

Storage areas for hazardous or potentially polluting materials shall not be located below the Flood Planning Level of 7.16m AHD unless adequately protected from floodwaters in accordance with industry standards.

Pools - H1

The pool's coping is to be less than 150mm above natural ground level.

All electrical equipment associated with the pool (including pool pumps) is to be waterproofed and/or located at or above the Flood Planning Level of m AHD.

All chemicals associated with the pool are to be stored at or above the Flood Planning Level of XX m AHD.

Pool fencing shall be open to allow for the unimpeded movement of flood waters. It must be designed with a minimum of 50% open area from the natural ground level up to the 1% AEP flood level of 7.16m AHD.

Details demonstrating compliance are to be submitted to the Principal Certifier for approval.

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.

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

Certification of Works as Executed

A suitably qualified engineer and/or registered surveyor is to certify that the completed works have been constructed in accordance with this consent and the approved plans with respect to the following:

1. There has been no filling on the land other than what has been approved
2. Openings are provided in fencing where required for the free passage of flood waters
3. Car ports have at least two sides completely open

Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of the Occupation 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.