

## Natural Environment Referral Response - Coastal

|                                 |  |
|---------------------------------|--|
| Application Number:             | DA2019/0152  |
| Responsible Officer             | Georgia Quinn  |
| Land to be developed (Address): | Lot 2 DP 221631 , 78 Hudson Parade CLAREVILLE NSW 2107 |

### Reasons for referral

This application seeks consent for land located within the Coastal Zone.

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

### Officer comments

The application has been assessed in consideration of the

- Pittwater 21 Development Control Plan
- Pittwater Local Environmental Plan 2014
- Pittwater Estuary Mapping of Sea Level Rise Impacts Study (2015)
- Estuarine Risk Management Policy for Development in Pittwater (Appendix 7, Pittwater 21 DCP)
- Coastal Management Act 2016
- State Environmental Planning Policy (Coastal Management) 2018

The impacts on the coastal environment have been assessed as acceptable subject to conditions.

### Referral Body Recommendation

Recommended for approval, subject to conditions

### Refusal comments

### Recommended Natural Environment Conditions:

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

### Estuarine Planning Level Requirements

An Estuarine Planning Level (EPL) of 2.8 m AHD has been adopted by Council for the subject site and shall be applied to all development proposed below this level as follows:

- All structural elements below 2.8 m AHD shall be of flood compatible materials;
- All electrical equipment, wiring, fuel lines or any other service pipes and connections must be located either above 2.8m AHD or waterproofed to this level; and
- The storage of toxic or potentially polluting goods, chemicals or materials, which may be hazardous or pollute the waterway, is not permitted below 2.8m AHD.
- All interior power supplies (including electrical fittings, outlets and switches) must be located at or above 2.8m AHD. All exterior power supplies (including electrical fittings, outlets and switches) shall be located at or above 2.8m AHD to avoid the likelihood of contact with splashing waves and spray.

Reason: To ensure aspect of the development are built at the appropriate level

### **Compliance with Estuarine Risk Management Report**

The development is to comply with all recommendations of the approved Estuarine Risk Management Report prepared by Horton Coastal Engineering, dated 4 July 2019 and these recommendations are to be incorporated into construction plans.

Reason: To minimise potential hazards associated with development in an estuarine habitat.

### **Structural Engineering for Estuarine Risk**

Structural engineering design for the development shall be prepared, with input as necessary from a chartered professional engineer with coastal engineering as a core competency, to ensure that for its design life (taken to be 60 years) the development is able to withstand the wave impact forces and loadings identified in the approved Estuarine Risk Management Report prepared by Horton Coastal Engineering dated 4 July 2019.

Note: The potential for component fatigue (wear and tear) should be recognised for the less severe, but more frequent, wave impact loadings.

Reason: To ensure structural engineering is prepared by an appropriately qualified professional

### **Engineers Certification of Plans**

The structural design shall be prepared by and each plan/sheet signed by, a registered professional civil or structural engineer with chartered professional status (CP Eng) who has an appropriate level of professional indemnity insurance and shall be submitted to the Principal Certifying Authority prior to the release of the Construction Certificate.

Reason: To ensure structural engineering is prepared by an appropriately qualified professional

### **Swimming Pools**

The backwash of Swimming Pool water must be discharged to Sydney Water's sewer in accordance with Australian/New Zealand Standard AS/NZS 3500. Detailed plans and specification must be submitted prior to the issue of the Construction Certificate. The drawings must show the location of Sydney Water's sewer, the yard gully or any new connection to the sewer system including a detailed cross section of the connection complying with Australian/New Zealand Standard AS/NZS 3500.

Reason: To ensure compliance with legislation and Australian Standards and to protect public health, amenity and to ensure the protection and preservation of receiving waters.

## **CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT**

### **Installation and Maintenance of Sediment and Erosion Control**

Sediment and erosion controls must be installed in accordance with Landcom's 'Managing Urban

Stormwater: Soils and Construction' (2004). Techniques used for erosion and sediment control on site are to be adequately maintained and monitored at all times, particularly after periods of rain, and shall remain in proper operation until all development activities have been completed and the site is sufficiently stabilised with vegetation.

Reason: To protect the surrounding environment from the effects of sedimentation and erosion from the site

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

### **Pollution Control**

All stockpiles, materials, waste and slurry associated with works (including excavated material) is to be contained at source within the construction area and enclosed in waterproof covering and/or sediment and erosion control while not in use. All waste/debris is to be removed off site and disposed of as frequently as required in accordance to local regulations.

Reason: To protect the surrounding environment, and ensure that pollutants and building associated waste do not leave the construction site.

### **Pollution Control**

Any excess materials such as cleaning paintbrushes, lacquers, and any water from cleaning tools must not enter the stormwater network and/or receiving waterways.

Reason: To ensure that building associated chemicals and pollutants don't enter the surrounding environment.

## **ON-GOING CONDITIONS THAT MUST BE COMPLIED WITH AT ALL TIMES**

### **Compliance with Estuarine Risk Management Report**

The development is to comply with all recommendations in Section 7 and 8 of the approved Estuarine Risk Management Report prepared by Horton Coastal Engineers, dated 4 July 2019 and these recommendations are to be maintained over the life of the development.

Reason: To ensure preservation of the development and the estuarine environment