

Natural Environment Referral Response - Riparian

Application Number:	DA2021/0669
Date:	27/07/2021
To:	Jordan Davies
Land to be developed (Address):	Lot 7005 DP 1117451 , 1193 Barrenjoey Road PALM BEACH NSW 2108 Lot 7002 DP 1117592 , 1193 Barrenjoey Road PALM BEACH NSW 2108 Lot 298 DP 721522 , 1191 Barrenjoey Road PALM BEACH NSW 2108

Reasons for referral

This application seeks consent for the following:

- All Development Applications on land, and located within 40 metres of land, containing a watercourse, or
- All Development Applications on land containing a wetland, or located within 100m of land containing a wetland,
- All Development Applications on land that is mapped as "DCP Map Waterways and Riparian Land".

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

Officer comments

Subject to conditions, the development is compliant with Council's riparian lands requirements. Note that the development engineering referral body has conditioned the applicant is to submit Stormwater Engineering Plans indicating all details relevant to the collection and disposal of stormwater and that Stormwater shall be conveyed from the site to a slotted pipe suspended under the existing jetty to disperse stormwater into Pittwater. This is supported by the Riparian referral, as stormwater would bypass the beach to Pittwater and reduced risk of erosion of sand.

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

Construction Environment Management Plan

A Construction Environmental Management Plan (CEMP) must be prepared in accordance with the

environmental risks and mitigation methods identified in the Aquatic Ecology Report, Sediment and Erosion Plan and conditions of consent, and must be kept in the site office.

An induction plan for site personnel must be prepared that addresses the CEMP.

The CEMP and site induction plan must be submitted to the Certifying Authority for approval prior to the issue of the Construction Certificate.

Reason: To protect native vegetation, wildlife, habitats and receiving waterways.

Stormwater outlet revetment (Pittwater Waterway)

If stormwater is discharged to an outlet on the foreshore, rip rap for the revetment must be sized to the following specifications and laid in an interlocking pattern:

D90 250mm
=
D50 100mm
=
D10 40mm
=

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

Reason: Improve stability of the revetment to high flows and wave action.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Aquatic sediment management

Environmental safeguards, including silt curtains or temporary shallow sheet piles, are to be used during construction to prevent the escape of any turbid plumes into the seagrass beds on the site. The silt curtains must be carefully placed and secured to ensure they do not drag over any nearby seagrass beds.

The safeguards must be regularly maintained and removed once the works are completed.

Reason: Protection of seagrass.

Use of equipment and vessels in the vicinity of seagrass

No equipment is to be placed on any seagrass beds.

Inshore infrastructure for mooring vessels and plant must be used where suitable. Where mooring lines or cables are required, they shall be suitably buoyed prior to laying and kept buoyed once laid to prevent cable drag or swing damage (scalping). Where this is impractical, contractors should use a floating rope.

Vessels must have adequate clearance over seagrass beds, including allowance for tidal movement, swell/wind wave heights and vessel propulsion.

Reason: Protection of seagrass.

Dredging works

A permit from Council and the Department of Primary Industries (Fisheries) is required prior to conducting any dredging.

Reason: Protection of the environment.

Recommendations of Aquatic Ecology Report

The following recommendations of the Aquatic Ecology Report dated 26 April 2021 by Cardno Pty Ltd, must be complied with:

- Land based piling must be completed on the lowest possible tide (i.e. piling areas not inundated) and during dry weather to avoid potential run-off of excavated material.
- Piling via barge is only to be completed on high tide and in suitable weather conditions. The barge must be only moved into position upon a high tide of at least 1.6m allowing sufficient water above the shallower areas adjacent to the northern pontoon. The boundaries of mapped areas of Posidonia shall be marked clearly at the water's surface without harm to the seagrass (i.e. Exclusion Zones) so that all vessels would avoid these areas during the barge escort. A minimum of 0.5 m above the seabed in any area is required as a precaution to avoid damage to the seabed or any marine flora or fauna occurring at the time of mobilisation. Once into proximity (near the four existing berthing piles) the barge can then be maneuvered into position during the high tide by ropes. Once in position the barge must be securely tied off and can remain over the bare sediment while the works progress. On completion of the works, the barge must only be moved out at high tide.
- During the installation of the piles by barge (approx. seven piles), continuous visual monitoring of turbidity must be conducted. If water with higher turbidity than the surrounding existing water body reaches the nearby seagrass patches, then piling activities must cease and adjustments made to ensure turbid water does not reach the seagrass.

Reason: Protection of the aquatic environment.

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

Chemical Spills

A spill kit must be kept onsite. A spill prevention and clean up procedure in accordance with industry standards must be prepared and kept on site.

Reason: Protection of the Environment.

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

Pontoons

As per plans and the Aquatic Ecology Report, pontoons north of the jetty can not be reinstated without approval of the relevant authority.

Reason: Protection of the aquatic environment.