

Natural Environment Referral Response - Riparian

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| Application Number: | DA2020/0509 |
| Date: | 27/05/2020 |
| To: | Nick Keeler |
| Land to be developed (Address): | Lot 3 DP 1023404 , 10 Wurringulla Avenue ELVINA BAY NSW 2105 |

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

This application has been assessed against relevant legislation relating to waterways and aquatic vegetation. As this area is mapped under the State Environment Planning Policy (Coastal Management) 2018 development must not significantly impact on the biophysical, hydrological or ecological integrity of Elvina Bay, or on the quantity and quality of surface and ground water flows to Elvina Bay.

Consent has been given by Crown Lands, DPI (Fisheries) and RMS relating to consent for use of land, environmental impact and navigational concerns. Development is to comply with the general conditions imposed by these letters of consent. The applicant has detailed the installation of a sediment fence downstream of the development to prevent turbid plumes entering the aquatic environment. Council considers the installation of a sediment fence in this location inappropriate due to its location in the water rather than land based. Therefore a turbidity barrier must be installed instead in this location, refer to *Managing Urban Stormwater: Soils and Construction Landcom (2004)*.

This application, subject to conditions, is recommended for approval as it is unlikely to have an adverse effect on the integrity and resilience of the biophysical, ecological and hydrological environment of Elvina Bay if conditions are adhered to.

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:

DA2020/0509

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Installation and Maintenance of Sediment and Erosion Control

A turbidity Barrier must be installed in accordance with Landcom's 'Managing Urban Stormwater: Soils and Construction' (2004) downstream of the development.

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. If the barrier is to remain in place for greater than one month the applicant must ensure that the flotation cover is a UV resistant, durable material. Additionally the barrier must be made of woven or heat set non woven geotextiles to ensure the barrier does not fray and enter Elvina Bay.

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