

Water Management Referral Response

Application Number:	DA2018/1826
To:	Rebecca Englund
Land to be developed (Address):	Lot 29 DP 5464 , 27 Warriewood Road WARRIEWOOD NSW 2102 Lot 28 DP 5464 , 25 Warriewood Road WARRIEWOOD NSW 2102

Reasons for referral

Council's Water Management Officers are required to consider the likely impacts.

Officer comments

The application is recommended for approval with conditions.

The applicant has satisfied the request for more information and satisfactory revisions have been made to the outlet for the bioretention basin. The bioretention basin appears to be appropriately sized.

It has been made clear that the bioretention basin is being built as part of Stage 1 works, and therefore the sediment and erosion controls for work on the basin were addressed in that application.

While the groundwater levels were lower in the second round of testing (but still quite shallow in some locations), the applicant should be prepared to deal with the higher groundwater levels in the first round of testing. Dewatering should be conducted according to the conditions for this application.

Erosion and sediment controls must be installed prior to any work on site and maintained until groundcover has been re-established.

Referral Body Recommendation

Recommended for approval, subject to conditions

Refusal comments

Recommended Water Management Conditions:

DEVELOPMENT CONSENT OPERATIONAL CONDITIONS

Temporary Dewatering

Discharge must achieve the following water quality targets in addition to any conditions/documentation of this consent, any requirements of the General Terms of Approval/Controlled Activity permit issued by DPI Water, and legislation including Protection of The Environment Operations Act 1997 and Contaminated Lands Act 1997.

Parameter	Criterion	Method	Time Prior to Discharge
Oil and grease	None visible	Visual inspection	<1 hour
pH	6.5- 8.5	Probe/meter	<1 hour
Total Suspended Solids (TSS)	<50mg/L	Meter/grab sample measured as NTU	<1 hour

Note: The correlation between NTU and TSS must be established by a NATA accredited laboratory prior to the commencement of dewatering activities.

Dewatering must not occur until the above water quality parameters are met.
All records of water discharges and monitoring results are to be documented and kept on site.

Copies of all records shall be provided to the appropriate regulatory authority, including Council, upon request.

Tailwater must be discharged to a stormwater pit and not spread over any road, footpath and the like.

Reason: Protection of the receiving environment

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

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) and the Erosion and Sediment Control Plan prepared by SGC Engineering.

Erosion and sediment controls 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.