

Environmental Health Referral Response - acid sulfate soils

Application Number:	Mod2022/0156
Date:	27/06/2022
Responsible Officer	Dean Pattalis
Land to be developed (Address):	Lot 1 DP 22450 , 77 Foamcrest Avenue NEWPORT NSW 2106 Lot 2 DP 22450 , 75 Foamcrest Avenue NEWPORT NSW 2106

Reasons for referral

This application seeks consent for one or more of the following:

- All development in class 1 land
- Any works below ground surface or will lower water table in area class 2 land
- Any works beyond 1 metre or lower water table by 1 metre in class 3 land
- Any works beyond 2 metres or lower water table by 2 metres in class 4 land
- Works on land below 10 metres AHD and within 500m of class 1, 2, 3 or 4 land which are likely to lower water table below 1 metre

And as such, Council's Environmental Investigations officers are required to consider the likely impacts.

Officer comments

General Comments

Proposed modification to the approved DA 2020/1695 includes movement of the OSD westward, to be placed beneath the driveway. In the geotech report, bore hole two is in the approximate location of the OSD, showing that underlying soils are of a low likelihood of the presence of Acid Sulfate Soils (PASS or AASS). Furthermore, the excavation depth of the OSD does not appear to exceed the trigger value of excavation 'more than 2 metres bgl' that would require detailed investigation and management as per the *Acid Sulfate Soil Manual 1998*.

Due to the low level of risk, reasoning that design principles account for the predominant importance of lifelong structural integrity (protection of concrete/steel from ASS is considered in design), we have no objections to the proposed MOD, and recommend no changes to the existing ASS condition.

The proposal is therefore supported.

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

Recommended Environmental Investigations Conditions:

Nil.