

## Environmental Health Referral Response - acid sulfate soils

<b>Application Number:</b>	DA2020/1695
<b>Date:</b>	06/01/2021
<b>Responsible Officer</b>	Lashta Haidari
<b>Land to be developed (Address):</b>	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

Comment has been requested from Environmental Health in regard to this proposal for the "Construction of a Residential Flat Building" in relation to the potential disturbance of acid sulphate soils.

The subject site is classified as class 4 acid sulphate soils meaning development consent is required for:

"Works more than 2 metres below the natural ground surface.

Works by which the watertable is likely to be lowered more than 2 metres below the natural ground surface."

The plans submitted with the proposal indicate a portion of the development (to basement level) requires excavation in excess of 2 meters in depth from existing ground level.

Reference is made to Geotechnical Report numbered 2020/202 and dated 12 November 2020 by Crozier Geotechnical Consultants. This report states that "due to the ground conditions encountered in the site investigation and the proposed works there is a "very low" likelihood of intersecting these soils or impacting the local water table. As such, an ASS Management Plan (ASSMP) is not considered necessary"

Environmental Health supports this proposal provided that appropriate conditions are imposed that

ensure adequate measures are undertaken should further evidence present in relation to acid sulphate soils during works.

### **Recommendation**

APPROVAL - subject to conditions

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:**

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

##### **Requirement to notify about new Acid Sulfate Soils evidence**

Any new information revealed during excavation works that has the potential to alter previous conclusions about Acid Sulfate Soils shall be immediately notified to the Council and the Principal Certifying Authority prior to further commencement.

Reason: protection of the environment