

## Environmental Health Referral Response - acid sulfate soils

<b>Application Number:</b>	DA2022/0919
<b>Date:</b>	16/08/2022
<b>Responsible Officer</b>	Adam Susko
<b>Land to be developed (Address):</b>	Lot 188 DP 16719 , 3 Gondola Road NORTH NARRABEEN NSW 2101

### 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

For the construction of a basement carpark, excavations to 4.0 m below ground level, an acid sulfate soils assessment was conducted in line with ASSMAC (1998). The findings and recommendations are that an Acid Sulfate Soils Management Plan (ASSMP) is required to be prepared and implemented to manage the risk of potential environmental and structural harm.

There are no objections to the proposal given the implementation of the below 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:

## CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

### Acid Sulfate Soils Management Plan

An Acid Sulfate Soils Management Plan is to be prepared by a suitably qualified geotechnical engineer in accordance with Water Quality Australia, *National Acid Sulfate Soils Guidance* (2018) and the Acid Sulfate Soils Manual (ASSMAC, 1998) and submitted to the Principal Certifier and Council prior to Construction Certificate being issued.

Reason: To protect the environment and private & public infrastructure.