

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2021/2559
Date:	20/01/2022
Responsible Officer	Maxwell Duncan
Land to be developed (Address):	Lot 1 DP 599064 , 8 Grosvenor Place BROOKVALE NSW 2100

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

Subsurface soil and groundwater investigations revealed the presence of acidic soils between 2 and 3 metres below ground level, likely to become highly acidic when exposed to oxygen during excavations to 4 m below ground level.

Soils beyond 1 m below ground level are to be managed through the methods in the Acid Sulfate Soil Management Plan provided with the development application, in line with the National Acid Sulfate Soil Guidance (2018) documents and the Acid Sulfate Soil Management Advisory Committee (ASSMAC) Acid Sulfate Soil Manual (1998).

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

Management of Acidic Soils

All excavation, construction and associated works must be conducted in accordance with the Acid Sulfate Soil Management Plan prepared by JK Environments Pty Ltd, dated 13 December 2021, and referenced as E34430BTlet-ASSMP.

Reason: To ensure management of potential acid sulfate soils according to national guidelines.