

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2021/0199
Date:	16/04/2021
Responsible Officer	Lashta Haidari
Land to be developed (Address):	<p>Lot B DP 402309 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 1 DP 595298 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 7 DP 455967 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 6 DP 8561 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 5 DP 8561 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 4 DP 654321 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 6 DP 737137 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 8 DP 455967 , 4 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 3 DP 8561 , 2 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 2 DP 8561 , 2 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 1 DP 8561 , 2 Jacksons Road WARRIEWOOD NSW 2102</p> <p>Lot 15 DP 26902 , 2 Jacksons Road WARRIEWOOD NSW 2102</p>

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

Acid Sulfate Soils have been found 2.5 m below ground surface, depth of excavation not yet determined.

Environmental Health are satisfied that the site can be made suitable for the proposal, and recommend an Acid Sulfate Management Plan be implemented to prevent any environmental harm.

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 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 and in accordance with the Acid Sulfate Soils Manual (ASSMAC, 1998) and submitted to the Council for review.

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

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Acid Sulfate Soils

All excavation, construction and associated works must be conducted in accordance with the Acid Sulfate Soil Management Plan.

Reason: To ensure management of potential acid sulfate soils.

Site Contamination – Acid Sulfate Soils

All stockpiles of potentially contaminated soil must be stored in a secure area in a way that is not likely to cause pollution or be a public health risk.

All contaminated soil removed from the site must be disposed of at a waste facility that can lawfully receive that waste and must be done in accordance with all relevant Acts, Regulations and Guidelines.

Copies of all test results and disposal dockets must be retained for at least 3 years and be made

available to authorised Council officers on request.

Note: The following Acts and Guidelines applied at the time of determination:

- i) Protection of the Environment Operations Act 1997;
- ii) Environment Protection Authority, *Waste Classification Guidelines* (2014);
- iii) Water Quality Australia, *National Acid Sulfate Soils Guidance* (2018); and
- iv) Acid Sulfate Soil Advisory Committee, *Acid Sulfate Soil Manual* (1998).

Reason: to protect environment and public health, comply with guidelines.