



## Environmental Health Referral Response - acid sulfate soils

<b>Application Number:</b>	DA2018/1044
----------------------------	-------------

<b>Responsible Officer</b>	Angela Manahan
<b>Land to be developed (Address):</b>	Lot 5 DP 736961 , 9 Fern Creek Road WARRIEWOOD NSW 2102 Lot 11 DP 1092788 , 11 Fern Creek Road WARRIEWOOD NSW 2102 Lot 13 DP 1092788 , 13 Fern Creek Road WARRIEWOOD NSW 2102 Lot 12 DP 1092788 , 12 Fern Creek Road WARRIEWOOD NSW 2102

### 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

Was sufficient documentation provided appropriate for referral?	YES
Are the reports undertaken by a suitably qualified consultant?	YES
What class is the site in on the WLEP2011 Acid Sulfate Soils Map?	Class 5
Is there risk of acid sulfate soil disturbance?	YES
Will the excavations exceed the depth determined in the risk map?	No
Does the report adequately address acid sulfate risk mitigation?	YES
Have you considered disposal of water during excavation, pump out etc.	N/A
Have you considered disposal of contaminated soil.	YES

### General Comments

Likely disturbance at this stage is from road works/drainage/power

Report by GeoEnviro Consultancy Ref: JE17655A-r2(rev) does not expect disturbance of acid sulfate soil but makes provision for appropriate measures.

### Recommendation

DA2018/1044

APPROVAL - subject to

Page 1 of 2



	conditions
Comments completed by: Anthony Foy EHO	
Date:25.6.2018	

### Recommended Environmental Investigations Conditions:

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

### Acid Sulfate Soil - Excavation- Road works - Power undergrounding

In the event where acid sulfate soils are identified during construction, the following acid

sulfate soil management strategy must be adopted in conjunction with the recommendations of the report June 2018 by GeoEnviro Consultancy Pty Ltd ;

- If acid sulfate soils are to be disturbed, the acid generation potential of the soil must be managed by neutralising any acid using 3% by weight of lime. Additional lime may be added as required. Alternatively the acid sulphate soil may be removed off-site to a landfill for treatment and disposal.
- The excavated acid sulfate soils must be treated immediately otherwise the excavated soil must be capped to retard the oxidation process.
- All material to be removed from the site must be carried out by a licensed contractor.

This material must be sealed and contained on the truck during haulage using

appropriate lining and capping material.

The applicants appropriate consultant shall sign off on compliance (copy to Council) on completion of these works.

Reason: To manage the risk of Acid Sulfate Soil