

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2018/1800
Responsible Officer	Daniel Milliken
Land to be developed (Address):	Lot 101 DP 868560 , 93 McIntosh Road NARRAWEENA NSW 2099

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

Although the site is not listed as Acid Sulfate Soil the deep excavation that may be required, has resulted in the applicant consulting STS GeoEnvironmental Pty Limited (STS) for site advise especially if a second basement area is required for car parking.

Management and further advise by STS GeoEnvironmental Pty Limited (STS) for this development should result in an appropriate outcome.

Note; Roads/engineering may wish to comment on the ongoing pumping of the underground water flow to the street water table (if this is necessary it should be a connection to Council drainage system below ground level) so that water is not discharged visibly into the road way or car parking area. Similarly any pumps may need acoustic treatment if operating 24 hours a day.

Recommendation

APPROVAL - subject to conditions

Recommended Environmental Investigations Conditions:

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Acid Sulfate Soil Management

Any new information, based on the assessment by STS GeoEnvironmental Pty Limited (STS), which comes to light during , excavation or construction works which has the potential to alter previous conclusions about the uncovering of Acid Sulfate Soil must be notified to the Certifier as soon as

reasonably practicable. This will also require an Acid Sulfate Soil Management Plan, including disposal of affected soil to an approved facility, to be submitted to the certifier, before work continues.
Reason: To ensure potential Acid Sulfate Soil is appropriately managed