

## Environmental Health Referral Response - acid sulfate soils

<b>Application Number:</b>	DA2020/1063
<b>Date:</b>	22/09/2020
<b>Responsible Officer</b>	Phil Lane
<b>Land to be developed (Address):</b>	Lot 2 DP 225041 , 2 / 0 Bennett Street CURL CURL NSW 2096 Lot 2 DP 513842 , 2 / 0 Bennett Street CURL CURL NSW 2096 Lot 2 DP 533226 , 2 / 0 Bennett Street CURL CURL NSW 2096 Lot 17 DP 240232 , 2 / 0 Bennett Street CURL CURL NSW 2096

### 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

Environmental Health has been request to consider this proposal for the construction of 6 lighting poles of 30m in height with pad footing foundations for each lighting structure. The footings are approximately the following dimensions: 2m by 2m by 0.6m deep.

The subject site contains two classifications of Acid Sulfate soils being:

1. The north and central portion of the site (along Greendale Creek) has been classified into Class 4, where Acid Sulfate soils are likely to be found beyond 2 metres below the natural ground surface; and
2. The southern portion of the site has been classified into Class 5, considered unlikely to contain acid. The sulfate soil conditions (located within 500m on adjacent class 1-4 land).

Conclusions and recommendations of the Acid Sulfate Soils report by JBS&G Australia Pty Ltd dated 22 October 2019 state (in part) that "Acid Sulfate Soil management by neutralisation will not be required during the excavation and construction of the lighting poles at the locations and depths assessed herein".

Accordingly, approval of the proposal is recommended.

## **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 COMPLIED WITH DURING DEMOLITION AND BUILDING WORK**

#### **Acid Sulfate Soil Management**

Any new information which comes to light during remediation, 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

#### **Compliance Acid Sulfate Soils Report**

Compliance is required with the conclusions and recommendations as noted in section 6 of the Acid Sulfate Soils report by JBS&G Australia Pty Ltd dated 22 October 2019

Reason: To ensure a safe and healthy environment is preserved.