

## Engineering Referral Response

<b>Application Number:</b>	Mod2021/0904
<b>Date:</b>	22/04/2022
<b>To:</b>	Adam Mitchell
<b>Land to be developed (Address):</b>	Lot 301 DP 1254796 , Kimbriki Road INGLESIDE NSW 2101

### Reasons for referral

This application seeks consent for the following:

- New Dwellings or
- Applications that require OSD where additional impervious area exceeds 50m2 or
- Alterations to existing or new driveways or
- Where proposals affect or are adjacent to Council drainage infrastructure incl. watercourses and drainage channels or
- Torrens, Stratum and Community Title Subdivisions or
- All new Commercial and Industrial and RFB Development with the exception of signage or
- Works/uses in flood affected areas

And as such, Council's development engineers are required to consider the likely impacts on drainage regimes.

### Officer comments

After a review of the GHD draft engineering plans for the clean water diversion system (CWDS) modifications the following further information is required to make a more informed assessment:

- 1) The engineering consultant is to provide hydraulic engineering calculations that detail the minor storm flows level and 1% AEP levels on the modified cross sections of the CWDS to AHD. The vehicle access road is to be usable in minor storm events ie less than 20 % AEP
- 2) The CWDS is multi purposed to form a ring access road also , in terms of flow velocity vrs depth the applicant is to demonstrate that stability of vehicles using the access road is within the proposed guidelines/limits as presented in ARR 2019.

The proposal is therefore unsupported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

### Recommended Engineering Conditions:

Nil.