

Engineering Referral Response

Application Number:	DA2021/0004
Date:	25/02/2021
To:	Anne-Marie Young
Land to be developed (Address):	Lot 1 DP 528546 , 1121 Pittwater Road COLLAROY NSW 2097

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

The subject site is affected by stormwater overland flow as such this overland flow will be impacted by the proposed development. The applicant is to submit a overland flow study prepared by a qualified civil engineer (NER or RPENG). The overland flow study is to provide the following information:

- 1) The overland flow extents, velocities and depths for the 1 in 100 year AEP storm event upstream/downstream and for the subject site.
- 2) Demonstration that there are or minimal impacts on the current overland flow path including loss of storage. Please note a Council stormwater box culvert runs along the western boundary under the existing driveway access.
- 3) The engineer is to use guidelines and principals as outlined ARR 2019 in preparation of the overland flow study.

In addition to the above requirements the existing rear carpark has an abandoned 900mm stormwater pipe which will need to be removed for the development to proceed.

As the site is impacted by a substantial amount of overland flow to the rear of the site On site stormwater detention is not required.

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.