

Our Reference: CC210481\BAK:pm

Your Reference:



CONSULTANTS

30 March 2022

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ENGINEERS

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Dear Mr Laing-Peach,

**Re: Proposed Residential Development
Request for Additional Information
Stormwater Modifications
Application No.: Mod2022/0156 – PAN - 20678
Property: No.'s 75 – 77 Foamcrest Avenue, Newport**

We refer to Northern Beaches Council correspondence in relation to this matter dated 29 March 2022 and specifically Item 2. In response to the matters raised under Item 2 we offer the following comments.

The Modification amongst other matters, relates to the property stormwater system and specifically the relocation of the detention tank, the reduction of rainwater tank volume and the use of alternate water quality measures.

By way of history, the stormwater design included in the Development Consent is detailed on the Stormwater Plans prepared by Barrenjoey Consulting Engineers Pty Ltd, reference 201107, drawings SW1 – SW3, dated 27 November 2020. This document details a combined rainwater and OSD tank integrated within the basement structure. The methodology for the determination of the OSD storage volume was based on DRAINS modelling. The BASIX requirement for the rainwater tank volume was 30,000 litres and the collected rainwater was to be used for irrigation.

The modification proposes the relocation of the OSD tank under the driveway, separate rainwater tank and alternate water quality measures. The outlet pipe from the boundary to the Council stormwater system will not be modified.

The modified OSD storage volume has been determined in accordance with the requirements of Table 7 identified in the Northern Beaches Council's Water Management Policy.

The BASIX certificate was revised in support of the Modification and requires a 10,000 litre rainwater tank to supply non-potable water to the designated washing machines. The proposed water quality measures have been assessed and are supported by a revised MUSIC model which includes four (4) SPEL filters.

The details of the modified stormwater system are identified on the Stormwater Management Plans prepared by ACOR Consultants (CC) Pty Ltd, reference CC210481, sheets C1 – C8, issue C, dated 19 March 2022. We note that a copy of these documents is attached to the Modification Application.

Based on the foregoing we are of the view that the proposed modification to the stormwater system will not depart from the design intent contemplated in the Barrenjoey Consulting Engineers Pty Ltd design and consequently will not adversely impact on adjoining neighbours or Council infrastructure. We note the modified stormwater design has been prepared having due regard to the prescriptive requirements outlined in the Northern Beaches Council's Water Management Policy.

Should you have any further queries in relation to this matter please do not hesitate to contact Bruce Kenny in our Central Coast office.

Yours faithfully,
ACOR Consultants (CC) Pty Ltd

Per: 