

# Stormwater Drainage Letter

Date: 20/01/2016 Job No. 150629  
Builder: SJA Construction Services Engineer: MW

**Site: 2 Kalinya St, Newport NSW 2106  
(Newport Arms Hotel)**

Michael Wachjo of Northern Beaches Consulting Engineers P/L has assessed the proposed development at the above premises based on the plans prepared by Akin Creative, issue A, for Development Application submission. The purpose of the assessment was to determine the impact of the development on the existing stormwater regime, including disruption or concentration of overland flows.

The proposed development generally consists of a new suspended garden area and internal restaurant modifications. The new garden area will comprise of a suspended concrete slab and approximately 600mm of soil and planting. The garden topped slab is proposed to be suspended over existing paved carpark area. The internal restaurant modifications are not expected to have any impact on stormwater runoff.

As per the stormwater management concept plan prepared by Northern Beaches Consulting Engineers P/L (Job No.150629 DWG D01B), the sub-soil drainage for the garden area should discharge into the existing stormwater system. A surface drainage pit should be located within the garden area and direct excess runoff from peak storm events to the existing stormwater system.

In summary, due to the provision of deep garden area over existing paved area, the proposed alterations and additions are expected to have a net **decrease** in the rate of stormwater runoff.

Note: as per the attached concept plans, an experienced engineer should inspect the existing stormwater system before construction and recommend to upgrade as required in accordance with AS3500.3. The engineer should check the adequacy of the existing system and ensure the proposed construction will not inadvertently concentrate stormwater runoff; including that from any overland flow paths. Additionally, the existing point of discharge into the Pittwater Foreshore should be inspected and upgraded as required in accordance with Council's policy and AS3500.3.

Note: This certification does not alleviate the responsibility of the owners of the property to properly maintain the existing stormwater system.

We trust that this certificate meets with your requirements. Please contact the author if further clarification is required.

## **NORTHERN BEACHES CONSULTING ENGINEERS P/L**



**Stewart McGeady**

BE MIEAust Director

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