22nd of August, 2022   Ref. :20752-001-l

Attention: Building and Infrastructure Department
Northern Beaches Council

Subject: **Proposed Alterations & Additions - Stormwater Drainage**
                      13 Wakehurst Parkway, Seaforth

Referenced Documentation

Engineering Studio Drawings: 220565 – C00.01, C01.01, C01.02, C02.01 – C02.03, Revision A

A site investigation and external catchment analysis has been undertaken to assess existing Council assets and overland flow paths traversing through the property. Multiple kerb inlet pits have been installed to the north eastern side of Wakehurst Parkway leading to a sag kerb inlet pit adjacent to residence #11. A Ø450 council pipeline is directed through a drainage easement to Clontarf Street as shown in drawing C02.03. An open drainage channel has also been constructed alongside the footpath to capture any overland flow into the drainage easement pipeline. The current overland flow runoff not captured within the kerb inlet pit and drainage channel is traverses through residence #13 Wakehurst Parkway with no proposed alterations or additions within the vicinity of the existing flow path, refer to drawing C02.02.

The proposed alterations and additions include a minor building extension on the south-eastern boundary, a roof structure over existing decking and an above ground swimming pool. The existing overland flow path will not be affected by the proposed works as the flow path is currently expected to run through the north-east boundary, refer to drawing C02.02 for site blockage assessment. Proposed increase in impervious hardstand area considered minor (less than 50m2) with a total post development impervious percentage of 56.3%. However, an on-site detention system has not been designed as it would be of no benefit in reducing the adverse flood impacts in accordance with Northern Beaches Council stormwater specification.

Feel free to contact the undersigned if you have any queries.

Yours faithfully,
Engineering Studio Pty Ltd

Oscar Gutierrez
BE(Civil)