



6 November 2018

General Manager
Northern Beaches Council
725 Pittwater Road
DEE WHY NSW 2099

Dear Sir/Madam

Re: Stormwater Management – 22/24 Carawa Road, Cromer

With reference to the Development Application for the above property, please find attached copies of the site Stormwater Management Plans for your perusal, sheets 1 to 4.

Note that the applicant sought but was unable to establish the requisite easements to allow connection to an inter-allotment drainage system at the rear of the site; as such the only viable alternative is to discharge collected stormwater to the kerb & gutter at the front of the site.

Sheet 1 shows the general drainage arrangement for the site. Note that the roof areas are 'charged' to enable disposal into the above-ground detention basin located at the front of the site. Sheet 1 also shows the driveway and some ground level landscaped areas draining to the basement/garage drainage system.

Sheet 2 shows the basement/garage drainage system which includes a 36,000 litre pump and sump style 'detention tank'. This tank pumps collected flows into the above-ground detention basin at the front of the site and enables the development to comply with Council's permissible site discharge requirements.

Sheet 3 contains the details for the set-up of various drainage elements such as the above-ground detention basin outlet and pump-out arrangement. The DRAINS hydraulic modelling files are attached.

Sheet 4 contains the details for the control of erosion & sediments during the construction phase of the site.



Should you require any further information please contact the undersigned.

Yours faithfully
TAYLOR CONSULTING

A handwritten signature in black ink, appearing to read 'D M Schaefer', written in a cursive style.

D M SCHAEFER - Director
B.E. Civil (Hons) M.I.E. Aust

