

# **CROZIER - Geotechnical Consultants**

**Engineering Geologists & Geotechnical Engineers**

*(A Division of PJC Geo-Engineering Consultants Pty Ltd)*

**A B N 96 113 453 624**

**Unit 12 / 42-46 Wattle Road, Brookvale NSW, 2100**

**Phone 9939-1882 Fax 9939-1883**

**Date 4<sup>th</sup> June 2015**

**No Page 1**

**Project No 2012-148 4**

Mr Keith Smith  
L K S Design & Drafting  
Suite 120, 18-22 Dale Street,  
Brookvale  
NSW 2099

## Review of Section 96 Application for North Curl Surf Life Saving Club Alterations

We visited the North Curl Surf Club site on the 5<sup>th</sup> February 2015 at your request with the Structural Engineer, Greg Zaccone to inspect the proposed club house alterations and additions and how they relate to the terrace slope adjacent to the south side of the Club house. It is understood that the new plans involve minimal if any construction on the embankment area therefore the need for boulder protection at the base is no longer required.

We understand that a review of the Surf Club lease suggests that the club is only responsible for what is within the confines of the club house envelope and that the land surrounding the property is Crown land and therefore is Warringah Council's responsibility.

Given the above circumstances and existing site conditions we feel that there is no need for the club to install a boulder wall to protect the toe of the lawn terrace from either cyclone storm surge or major creek/lagoon flood events.

Hope the above comments meet your present needs.

Regards



Peter Crozier  
MSc MIE Aust CPEng NPER  
Registration Number 691550