

3 May 2017

Your Reference: DOC17/227807

The Chairman  
NSW Coastal Panel  
C/- NSW Office of Environment and Heritage  
Level 14  
59-61 Goulburn Street,  
Sydney NSW 2000

Attention Marc Daley

Dear Marc,

Re: **CP17-005 Arrawarra Revetment – 46 Arrawarra Beach Road, Arrawarra  
Applicant Arrawarra Beach Pty Ltd**

Reference is made to the above Development Application and the NSW Coastal Panel request for additional information dated 13 April 2017.

In response to the panel request please find the following information:

- 1. Any further assessment of the utility of the proposed structure to meet increased wave exposure at the site resulting from the recession of the open coast over the intended life of the structure, consistent with the projections for this area advised in the Coffs Harbour Coastal Processes and Hazard Definition Study (BMT WBM 2011).***

**Response:**

Paul O'Brien, Senior Principal Engineer, Water Technology, provides the follow advice:

*The design of the revetment takes into account the likelihood of increased wave energy and ocean water levels as a consequence of future climate change. However, given the inherent uncertainty associated with the morphology of the Arrawarra Creek entrance under a future climate scenario, the design allows for structural modifications to accommodate greater than currently predicted effects to nevertheless be readily undertaken on the proposed structure. Should such future works be required, they can be done without having to rebuild the proposed structure (by simply adding armour rock to it); which can all be undertaken within the boundary of the subject property.*

- 2. The geomorphic impacts of the proposed development. The Panel notes a geomorphic impact assessment has been provided in Appendix M (Martens, 2007), however this appears to have been assessed in relation to a different structure to that submitted as part of this DA. The Panel is seeking further information of what considerations (if any) has been given to differences in the geomorphic impact of the structure subject to this DA and the structure in geomorphic impact assessment.**

**Response:**

The Geomorphic Impact Assessment prepared by Martens Consulting Engineers has been updated to support the proposed seawall design. Copy attached.

Please acknowledge receipt of this information.

Please contact Keiley Hunter on 0458 515963 or email [keiley@keileyhunter.com.au](mailto:keiley@keileyhunter.com.au) if you require any additional information.

Yours faithfully



Keiley Hunter

Encl: Geomorphic Impact Assessment, Martens, May 2017