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9 November 2020

Coastal Engineering Advice on 2 Tourmaline St Narrabeen in Relation to Demolition of Existing Dwelling

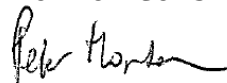
It is understood that as part of alterations and additions at 2 Tourmaline St Narrabeen (as per Development Application DA2018/1290), in seeking to enable access for piling works, additional demolition (beyond that approved) has been carried out. A Section 4.55 modification application to the DA is to be submitted to seek consent for these works, as well as seek consent for some other design changes (namely inclusion of a lift, relocation of stairs, some new internal walls, some revised windows, and other minor modifications)¹.

From a coastal engineering perspective, the demolition is a satisfactory outcome as it allows the necessary piling, as approved under DA2018/1290, to be undertaken unhindered. Piling of the proposed development is required for it to have an acceptably low risk of being damaged due to undermining from erosion/recession over its design life of 60 years, as noted in the DA report prepared by Horton Coastal Engineering dated 15 February 2018 (part of the approved plans and supporting documentation of the DA).

The other modifications are inconsequential from a coastal engineering perspective, as long as the development continues to be founded as per Section 6 of the Horton Coastal Engineering DA report, and with consideration of coastal inundation as per Section 7 of that report.

If you have any further queries, please do not hesitate to contact Peter Horton via email at peter@hortoncoastal.com.au or via mobile on 0407 012 538.

Yours faithfully
HORTON COASTAL ENGINEERING PTY LTD



Peter Horton
Director and Principal Coastal Engineer

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¹ With reference to six Drawings prepared by Micris Design dated 26 October 2020 (namely Drawing Nos. A101 to A106), all Revision B (except A101 was Revision A).