

Natural Environment Referral Response - Coastal

Application Number:	Mod2020/0555
Date:	12/01/2021
Responsible Officer	Megan Surtees
Land to be developed (Address):	Lot 3 DP 1023404 , 10 Wurringulla Avenue ELVINA BAY NSW 2105

Reasons for referral

This application seeks consent for land located within the Coastal Zone.

And as such, Council's Natural Environment Unit officers are required to consider the likely impacts on drainage regimes.

Officer comments

This modification application seeks to modify condition 12, as determined for DA2020/0509.

This assessment has reviewed the Notice of Determination for DA2020/0509 dated 31 July 2020. The condition 12 states as

12. Structural Engineering for Estuarine Risk

Structural engineering design for the development shall be prepared, with input as necessary from a chartered professional engineer with coastal engineering as a core competency, to ensure that for its design life (taken to be 100years unless otherwise justified and accepted by Council) the development is able to withstand the wave impact forces and loadings identified in the approved Coastal Engineering Report prepared by Cardno (NSW/ACT) Pty. Ltd. dated 14 May 2020.

Note: The potential for component fatigue (wear and tear) should be recognised for the less severe, but more frequent, wave impact loadings.

Reason: To ensure structural engineering is prepared by an appropriately qualified professional.

The Modification Application is accompanied by supporting documents, among others, by:

- a) Addendum Coastal Engineering Report by Cardno (NSW/ACT) Pty. Ltd. dated 20 October 2020
- b) Statement of Modification of Environmental Effects by Stephen Crosby & Associates Pty. Ltd. dated 21 October 2020

Considering justifications provided in these documents, Condition 12 is now modified and updated, as below:

12. Structural Engineering for Estuarine Risk

Structural engineering design for the development shall be prepared, with input as necessary from a chartered professional engineer with coastal engineering as a core competency, to ensure that for its design life (taken to be 30 years, as justified and accepted by Council) the development is able to withstand the wave impact forces and loadings identified in the approved Addendum Coastal Engineering Report by Cardno (NSW/ACT) Pty. Ltd. dated 20 October 2020 and Coastal Engineering

Report prepared by Cardno (NSW/ACT) Pty. Ltd. dated 14 May 2020.

Note: The potential for component fatigue (wear and tear) should be recognised for the less severe, but more frequent, wave impact loadings.

Reason: To ensure structural engineering is prepared by an appropriately qualified professional.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Natural Environment Conditions:

Nil.