



Flood Control Certificate

Date: 06/07/2020 Job No. 200594
Client: David & Karen Menzies Engineer: KO

Site: 4 Nareen Parade, North Narrabeen

NB Consulting Engineers has assessed the architectural plans provided by Your Style Designer Home Additions (dated 2/05/2020) for a proposed first floor addition at the above site address in reference to potential flood issues. A survey prepared by Donovan Associates (Job Ref: 0069/315591) was also assessed.

Flood levels have been obtained from council. This assessment has been based on of Pittwater Council 21 DCP, Councils supplied flood information, The *Narrabeen Lagoon Flood Study (2013)*, and the *NSW Government Floodplain Management Manual (2005)*.

Northern Beaches flood management information indicates the following:

• Flood Category	Flood Fringe
• Flood life hazard classification	H2-H4-H5
• Provisional Flood Hazard	Low - Medium
• 1% AEP Flood Level	3.03m (AHD)
• Flood Planning Level (FPL)	3.53m (AHD)
• Probable Maximum Flood (PMF)	4.89m (AHD)
• Probable Maximum Velocity	0.87 m/s
• Existing Ground Floor FFL	4.95m (AHD)
• Existing First Floor FFL	7.59m (AHD)
• Proposed First Floor FFL	8.10m (AHD)

The proposed development is located outside the extent of predicted flood levels for the 1% AEP flood event and is in general accordance with the requirements of *Northern Beaches Council (Pittwater) DCP*.



The proposed development is not envisaged to have a detrimental effect on neighboring properties.

We trust that this certificate meets with your requirements. Please contact the author if further clarification is required.

NORTHERN BEACHES CONSULTING ENGINEERS P/L

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