



## Prime Consulting Engineers Pty. Ltd.

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**Address:** Level M/394 Lane Cove Road,  
Macquarie Park NSW 2113

**Project:** Retaining wall

**Job No:** CE-S-22-218

**Date:** 13/10/2022

**Rev:** -

**To:** Mr. Samm Carbines

14 KIRKWOOD STREET  
SEAFORTH, NSW

**From:** Prime Consulting Engineers

### **CERTIFICATE OF DESIGN - STRUCTURAL**

Prime Consulting Engineers have been engaged by Mr. Samm Carbines to carry out structural design to rectify existing non-compliance retaining wall adjacent to swimming pool at 14 Kirkwood Street, Seaforth.

I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia and relevant Australian Standards.

In particular the design is in accordance with the following:

1. Relevant provisions of the BCA 2019
2. The relevant clauses of the National Construction Code (NCC) 2019
3. Relevant Australian Standards, including as applicable, the following current editions of:

Standard	Description
AS/NZS 3600:2018	Concrete Structures
AS/NZS 1170.0:2002	Structural Design Actions – General Principles
AS/NZS 1170.1:2002	Structural Design Actions – Permanent, Imposed and other actions
AS 4678:2002	Earth-retaining structures

#### **Design Documents:**

Drawing No.	Date	No. of Pages	Prepared by
S-22-218	25/05/2022	3	PCE

**References:**

The documents referred to in this report are as follows:

- Landscape Drawings prepared by "We dream of gardens"

It should be noted that the proposed retaining wall RW4 is designed as a cascade retaining wall with 450mm offset from the existing wall. This means that the existing retaining wall will only retains approximately 300mm deep soil and the remaining retaining height would be relied on RW4. The adequacy of existing retaining wall has been assessed and determined adequate for 300mm retaining height.

I possess Indemnity Insurance to the satisfaction of the building owner or my principal

This certificate shall not be considered as relieving any other party of their responsibilities, liabilities or contractual obligations.

Should you require any further information, please do not hesitate to contact us.

Your faithfully,  
Kevin Zia  
MIEAust, CPENG NER

**Signature:**

