

122 Crescent Road, Newport Existing Concrete Hardstand | Structural Certificate

Dear Sir,

This is to certify that the existing concrete hardstand area is in a satisfactory structural condition and does not need to be demolished due to existing structural defects/failures. Moreover, the ability of the existing concrete hardstand has been assessed and found to be adequate to support the proposed topsoil/turf in terms of loading. These findings were based on our site inspection which has been undertaken by an Associate Structural Engineer from Paragon on 02/07/2024. The inspection was visual in nature and no drilling or material testing were conducted during the inspection.

Project Relevant Documents:

- ❖ Scott Carver Architectural Drawings (Ref: 20220005(LD-DA600[3] to LD-DA620[3]-2000[C]) issued on 03/07/2024.
- ❖ Northern Beaches Council, Pre-Lodgement Meeting Notes Ref#PLM2024/0007 issued on 11/04/2024.
- ❖ Boxall Survey Drawings (Ref: 11369-001-A[A] issued on 05/05/2022).

Recommendations:

Based on the site inspection observations and the provided documents, the following recommendation can be made:

- ❖ All pits/open drainage channels/access hatches and the like should be assessed by the Project Civil/Hydraulic Engineer to obtain confirmation whether they can be concealed or decommissioned.
- ❖ Based on the site observations, there appear to be water stagnated within the concrete slab as shown in Figure 1 which might indicate a drainage issue. Assessment by the Project Civil/Hydraulic Engineer is necessary as this might cause future issues with the proposed turf/vegetation.
- ❖ If the pits/open drainage channels/access hatches and any other suspended elements are determined to be redundant by the Civil/Hydraulic Engineer, the cover should be removed and cavities shall be backfilled with suitable materials.
- ❖ There appear to be sheet piling along the sea wall as shown in Figure 2. Due to limited access, we were unable to verify the existence of a permanent wall. Therefore, confirmation of the sheet piling being a sacrificial wall is crucial as it appears to be deteriorated. Otherwise, assessment of the sheet piles will be required to determine its remaining useful life.
- ❖ Ensure the topsoil/turf including the cultivation layer(soil), geofab and drainage layer to be as per the design and approval of the landscape consultant.



Figure 1 – Stagnant Water on the concrete hardstand



Figure 2 – Sheet pile along the sea wall

I hereby confirm that I am appropriately qualified and competent person practicing in the relevant area of work. My employer holds appropriate current professional indemnity insurance to the satisfaction of the building owner or the principal authorising the design work being certified.

This certificate is provided exclusively for the use of the client for this project and for the purpose described above. This certificate shall not be used as a re-certification for any other elements not part of Paragon's scope and it does not relieve any other parties of their responsibilities, liabilities or contractual obligations. The information contained in this certificate is, to the best of my knowledge and belief, true and accurate.

Yours sincerely,



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