REPORT

# New Seawall at Taylor's Point Reserve Near 148 Hudson Parade, Clareville

## Waterway Impact Statement

Client: Northern Beaches Council

Reference: PA1900-RHD-ZZ-XX-RP-Z-0001

Status: Final/P02.01

Date: 19 May 2021

Royal HaskoningDHV

*Enhancing Society Together*

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| Classification |
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| Project related |

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# 1 Introduction

An existing seawall at Taylors Point Reserve, Clareville, near 148 Hudson Parade, collapsed during February 2020. Following the collapse, Council undertook works to temporarily stabilise the slope that had previously been retained by the collapsed seawall. Council has engaged Royal HaskoningDHV (RHDHV) to undertake the detailed design for these permanent works and to assist with the Development Application (DA) for the works.

The report provided herein has been prepared as part of the DA to Council for construction of the replacement seawall and associated slope stabilisation works. This Waterway Impact Statement has been prepared to demonstrate compliance with cl. B5.13 Development on Waterfront Land of the Pittwater 21 Development Control Plan (DCP).

As noted in the DCP, variations will be considered where the activity or work is required to mitigate risk including: landslip; geotechnical risk; flooding; erosion; risk to utilities; and bushfire hazard. The Taylors Point Seawall site is subject to landslip, geotechnical and erosion risk.

**Figure 1** shows the location of the site. **Figure 2** shows the current condition of the site following collapse of the seawall and implementation of temporary stabilisation measures.


**Figure 1 Location map showing the seawall near 148 Hudson Parade**

**Figure 2 Temporary structure and work platform following seawall collapse.**

# 2 Compliance with DCP B5.13 Development on Waterfront Land

| DCP Controls | Compliance |
|---|---|
| Any waterfront land (as defined in the Water Management Act 2000) on a the property shall be retained in their natural state to: carry stormwater/flood flows, maintain aquifers, retain stability, and provide habitat functions. | The proposed seawall is located adjacent to the Pittwater waterway but no watercourses (natural or modified) traverse the site.<br><br>The seawall at the site has collapsed and rebuilding of permanent new structure is required to mitigate the safety risk it poses.<br><br>The seawall is being replaced with a design that has had regard to an appropriate profile, height, materials and colours to meet both design criteria and aesthetics. The proposed new seawall will be smaller in height than the previous collapsed seawall and will be similar in nature to adjacent walls. |
| Natural or artificially modified water courses cannot be diverted onto adjoining lands, filled, channelised and/or dammed. | Works are fully compliant.<br><br>No water courses will be diverted, filled, channelised and/or dammed. |
| Waterfront land in a degraded state, should be restored and rehabilitated. | Works are fully compliant.<br><br>The previously cleared and grassed area above the collapsed seawall will be revegetated with native species i.e. it will be returned to a more natural state. A Landscape Plan has been prepared by Council and will be submitted with the DA. |
| Development within waterfront land shall incorporate appropriately sized riparian corridor zones into the design based on Controlled Activities on Waterfront Land: Guideline for outlet structures on waterfront land (NSW Office of Water, July 2012). | The proposed seawall is no further seaward than the previous wall i.e. it is not extending further into the foreshore area. The proposed new seawall will be smaller in height than the previous collapsed seawall and will be similar in nature to adjacent walls. |
| Development adjoining waterfront land is to be landscaped with local native plants. | The previously cleared and grassed area above the collapsed seawall will be revegetated with native species i.e. it will be returned to a more natural state. A Landscape Plan has been prepared by Council and will be submitted with the DA. |
| Council encourages the replacement of a piped stormwater system where appropriate with a restored watercourse with appropriate flow carrying capacity, wherever feasible. | NA – no stormwater systems are located on the site |
| The piping or artificial channelling of natural watercourses and drainage channels is not permitted. | NA – no watercourses or drainage channels traverse the site |
| A Water Management Plan with supporting documentation is to be submitted demonstrating the feasibility of the proposed watercourse works within the site. | NA – no watercourse work is proposed. A SEE and Coastal Risk Report have been prepared and will be submitted with the DA which asses the environmental impacts of the proposed seawall reconstruction. |
| Structures Over and Adjacent to Easements, Piped Drainage System or Natural Watercourses | Works are fully compliant. |

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| No encroachments or low lying overhangs of the development are permitted over natural water courses. Structural support elements are not permitted within the cross sectional area of a natural watercourse. Structural support elements adjacent to a natural water course located on the development site or on adjacent lands must be founded on a stable foundation to the depth directed by a geotechnical engineer. | There are no encroachments or low lying overhangs of the seawall over the adjacent waterway. Structural support elements of the seawall are not within the waterway and are founded on a stable foundation as directed by a geotechnical engineer. |

# 3 Conclusion

This Waterway Impact Statement demonstrate compliance of the proposed replacement seawall and associated slope stabilisation works with cl. B5.13 Development on Waterfront Land of the Pittwater 21 Development Control Plan (DCP).