

Natural Environment Referral Response - Coastal

Application Number:	DA2024/1757
Proposed Development:	Alterations and additions to a dwelling house including a swimming pool
Date:	22/01/2025
Responsible Officer	Olivia Ramage
Land to be developed (Address):	Lot 1 DP 810465 , 22 Hillcrest Avenue MONA VALE NSW 2103

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

SUPPORTED WITH CONDITIONS

This application was assessed in consideration of:

- Supplied plans and reports;
- State Environmental Planning Policy (Resilience and Hazards) 2021 (section 2.10, 2.11 & 2.12);
- Relevant LEP and DCP clauses.

State Environmental Planning Policy (Resilience & Hazards) 2021

The subject land has been included on the 'Coastal Environment Area' and 'Coastal Use Area' maps under the State Environmental Planning Policy (Resilience & Hazards) 2021. Hence, Clauses 2.10, 2.11 and 2.12 of the CM (R & H) apply for this DA.

Comment:

On internal assessment and as assessed in the submitted Statement of Environmental Effects (SEE) report prepared by Northern Beaches Planning dated December 2024 the DA is consistent with requirements under clauses 2.10, 2.11 and 2.12 of the SEPP.

As such, it is considered that the application is consistent with the requirements of the State Environmental Planning Policy (Resilience & Hazards) 2021.

Pittwater LEP 2014 and Pittwater 21 DCP

Development on Foreshore Area

A section of the subject property is within the foreshore building line. Part 7, Clause 7.8 – Limited development on foreshore area of the Pittwater LEP 2014 applies for any development within the foreshore area.

The DA proposes consent for a swimming pool and associated fencing within the foreshore area. All these proposed works are consistent with Clause 7.8(2)(b).

On internal assessment and as assessed in the submitted Statement of Environmental Effects (SEE) report prepared by Northern Beaches Planning dated December 2024, the DA is consistent with the objectives and requirements of Part 7, Clause 7.8 of the Pittwater LEP 2014.

Pittwater LEP 2014 and Pittwater 21 DCP

The subject site is also shown to be affected by Coastline Bluff/Cliff Instability Hazard on Council's Coastal Risk Planning Map in Pittwater LEP 2014. As such, the Geotechnical Risk Management Policy for Pittwater (Appendix 5, Pittwater 21 DCP) and the relevant B3.4 Coastline (Bluff) Hazard controls in P21 DCP will apply to new development of the site.

Coastline Bluff Hazard Management

A Geotechnical Report by White Geotechnical Group Pty Ltd dated November 2024, assessing coastline (bluff)/ coastal cliff or slope instability has been submitted with the DA. An impact assessment of the long-term coastal processes on the coastline (bluff)/ coastal cliff or slope instability, prepared by Horton Coastal Engineering dated November 2024 has been appended with the Geotechnical Report. The report assessed that An allowance for erosion/weathering of 5mm/year of the cliff at 22 Hillcrest Avenue Mona Vale, with sensitivity testing up to 12mm/year, should be considered and assessed by the geotechnical engineer. The geotechnical engineer should consider these estimated rates in conjunction with an understanding of the particular nature of the cliff materials at the site, their resistance to erosion, and potential failure planes related to geotechnical issues such as the joint spacing. That stated, any future failure of the upper slope of the cliff and in the vicinity of the proposed development may be unrelated to coastal processes at the base of the cliff, so other failure mechanisms should be considered by the geotechnical engineer.

Coastal inundation is not a significant risk to the proposed development over a planning period of well over 100 years. Given this, and assuming that the geotechnical engineer will find that the development is at an acceptably low risk of damage from erosion/recession over a 100 year design life, the proposed development satisfies the requirements of State Environmental Planning Policy (Resilience and Hazards) 2021 (Clauses 2.10 to 2.13), the Coastal Management Act 2016, Clause 7.5 and Clause 7.8 of Pittwater Local Environmental Plan 2014, and Chapter B.4 of the Pittwater 21 DCP for the matters considered herein.

As such, it is considered that the application does comply, subject to conditions, with the requirements of the coastal relevant clauses of the Pittwater LEP 2014 and Pittwater 21 DCP.

No other coastal issues identified.

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:

CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

Erosion and Sediment Control Plan

An Erosion and Sediment Control Plan (ESCP) shall be prepared by an appropriately qualified person and implemented onsite prior to commencement. The ESCP must meet the requirements outlined in the Landcom publication Managing Urban Stormwater: Soils and Construction - Volume 1, 4th Edition (2004). The ESCP must include the following as a minimum:

- Site Boundaries and contours
- Approximate location of trees and other vegetation, showing items for removal or retention (consistent with any other plans attached to the application)
- Location of site access, proposed roads and other impervious areas (e.g. parking areas and site facilities);
- Existing and proposed drainage patterns with stormwater discharge points
- Locations and methods of all erosion and sediment controls;
- North point and scale.

Details demonstrating compliance are to be submitted to the Certifier for approval prior to the issue of the Construction Certificate.

Reason: To protect the environment from the effects of sedimentation and erosion from development sites.

Coastal Bluff Engineering Assessment Implementation

The advice and recommendations contained in the approved Coastal Engineering Assessment report prepared by Horton Coastal Engineering, dated November 2024, must be addressed as necessary through the Geotechnical Risk Management Report prepared in support of the development application and must be incorporated as required into construction plans and structural specifications for the development.

Reason: To ensure potential hazards associated with development on a Coastal Bluff are minimised

Coastal Bluff Engineering Assessment Implementation

All development or activities must be designed and constructed such that they will not increase the level of risk from coastal processes for any people, assets or infrastructure in surrounding properties; they will not adversely affect coastal processes; they will not be adversely affected by coastal processes.

Reason: To ensure potential hazards associated with development on a Coastal Bluff are minimised

Engineers Certification of Plans

The structural design and specification shall be prepared by and each plan/sheet signed by, a registered professional civil or structural engineer with chartered professional status (CP Eng) who has an appropriate level of professional indemnity insurance and shall be submitted to the Certifier prior to the release of the Construction Certificate.

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

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Installation and Maintenance of Sediment and Erosion Control

Sediment and erosion controls must be installed in accordance with Landcom's 'Managing Urban

Stormwater: Soils and Construction' (2004). Techniques used for erosion and sediment control on site are to be adequately maintained and monitored at all times, particularly after periods of rain, and shall remain in proper operation until all development activities have been completed and the site is sufficiently stabilised with vegetation.

Reason: To protect the surrounding environment from the effects of sedimentation and erosion from the site

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Stockpiling materials

During construction, all material associated with works is to be contained at source, covered and must be within the construction area. All material is to be removed off site and disposed of according to local regulations. The property is to be kept clean and any building debris removed as frequently as required to ensure no debris enters receiving waters.

Reason: To ensure pollution control measures are effective to protect the aquatic habitats within receiving waters throughout the construction period.

Pollution Control

All stockpiles, materials, waste and slurry associated with works (including excavated material) is to be contained at source within the construction area and enclosed in waterproof covering and/or sediment and erosion control while not in use. All waste/debris is to be removed off site and disposed of as frequently as required in accordance to local regulations.

Reason: To protect the surrounding environment, and ensure that pollutants and building associated waste do not leave the construction site.

Geotechnical Issues

All conditions outlined in Geotechnical Risk Assessment prepared by White Geotechnical Group dated November 2024 are to be complied with and adhered to throughout development.

Reason: To ensure excavations, foundations, footings is undertaken in an appropriate manner and structurally sound.

Pollution Control

Any excess materials such as cleaning paintbrushes, lacquers, and any water from cleaning tools must not enter the stormwater network and/or receiving waterways.

Reason: To ensure that building associated chemicals and pollutants don't enter the surrounding environment.