

ATTACHMENT D – SECTION C – LANDSCAPE PLANS

Terminal Protection Structure C (TPS C) - LANDSCAPE PLANS

1 PACIFIC STREET TO 25 OCEAN VIEW DRIVE



The Terminal Protection Structure C (TPS C) was designed according to the design guidelines of the Wamberal Beach Terminal Protection Structure. Structural Engineering was designed by Hatch. Please refer to the documentation and reports by Hatch.

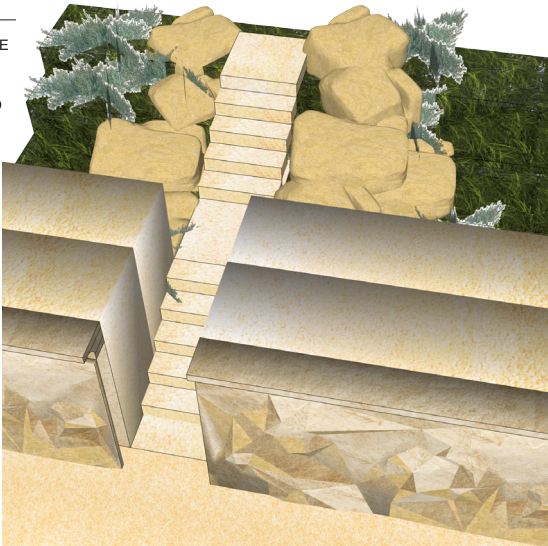
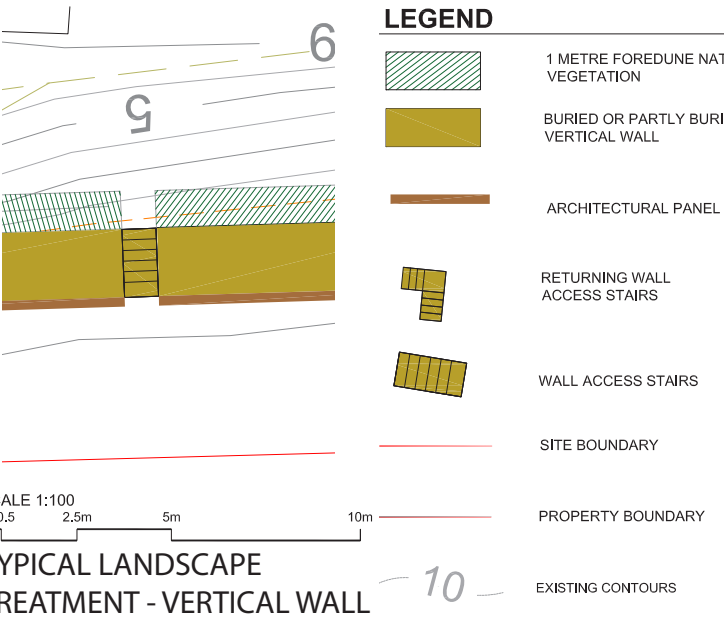
The TPS C is located on private property and is as far landward as possible to maximise available beach width. In naturally wider areas with established foredunes, the wall is to be buried in sand. These areas are to be revegetated with native foredune flora following excavation works. Revegetation is to meet the Coastal Dune Management: a Manual of Coastal Dune Management and Rehabilitation techniques.

Beach access stairs were integrated both in the private boundary of private properties and in the public realm. Public access stairs are designed to be available at varying levels of sand dunes, as access stairs are built into the vertical structure itself.

Transitions to termination/adjacent structures and to level changes within the structure are designed to be as smooth as the engineer solutions allows, to enhance uniformity with the shoreline. Adjacent structures are integrated within the horizontal line.



RENDER - PACIFIC STREET



TYPICAL ACCESS STEPS & EXAMPLE OF PRIVATE STEPS

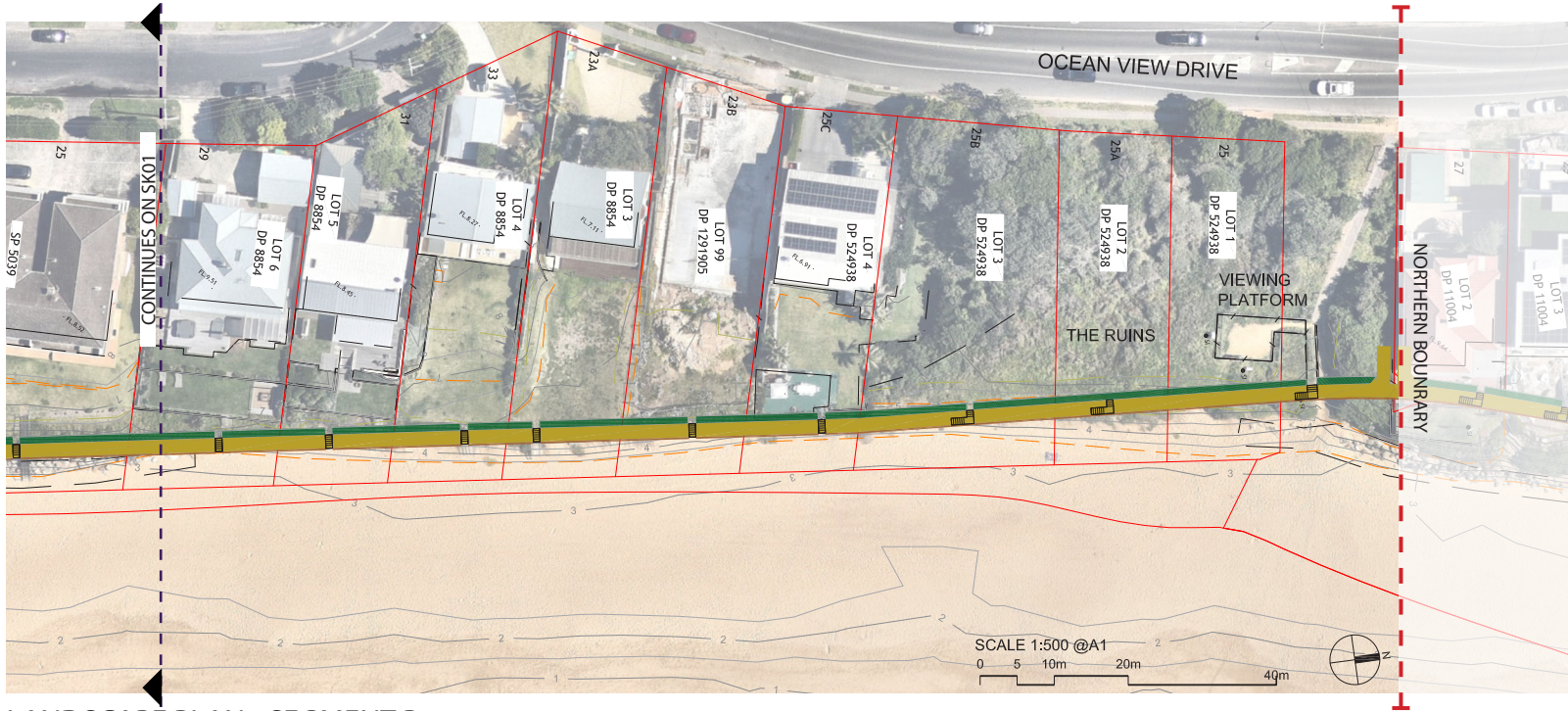
A rear corridor of 1m width between the rear crest of the wall and adjacent buildings was considered where the space permits it, to allow access for maintenance if necessary and for planting of native groundcovers that can regrow quickly if disrupted.

LOCALLY NATIVE PLANTING



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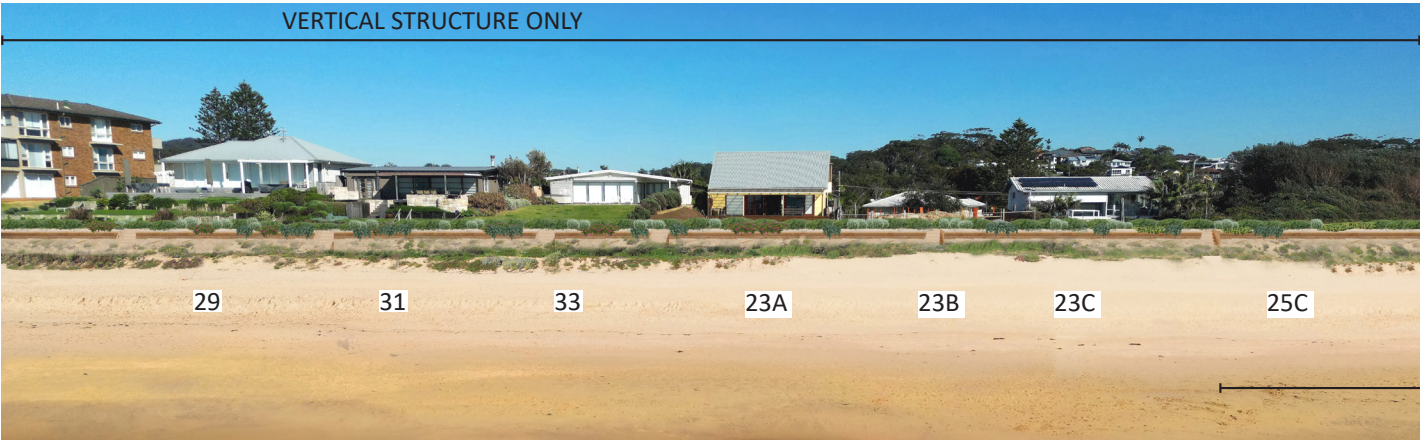


LANDSCAPE PLAN - SEGMENT B

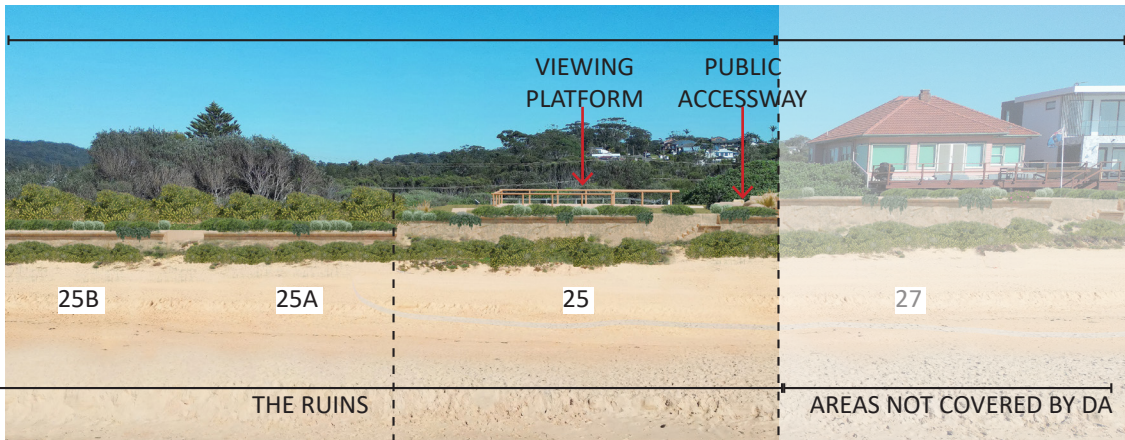
- LEGEND
- 1 METRE WIDE FOREDUNE
 - NATIVE VEGETATION
 - BURIED/PARTLY BURIED VERTICAL WALL
 - ARCHITECTURAL PANEL
 - ACCESS STAIRS
 - RETURNING ACCESS STAIRS
 - SITE BOUNDARY
 - PROPERTY BOUNDARY
 - EXISTING LEVELS
 - EXISTING BUILT FORM



TYPICAL MOSTLY BURIED VERTICAL PROTECTION STRUCTURE

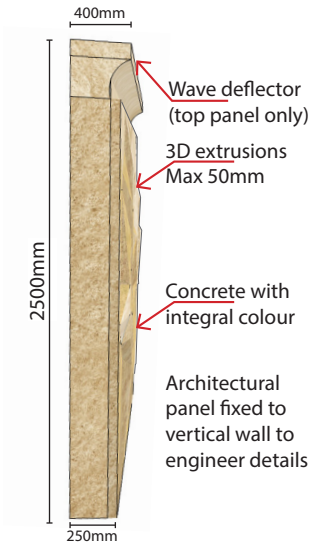
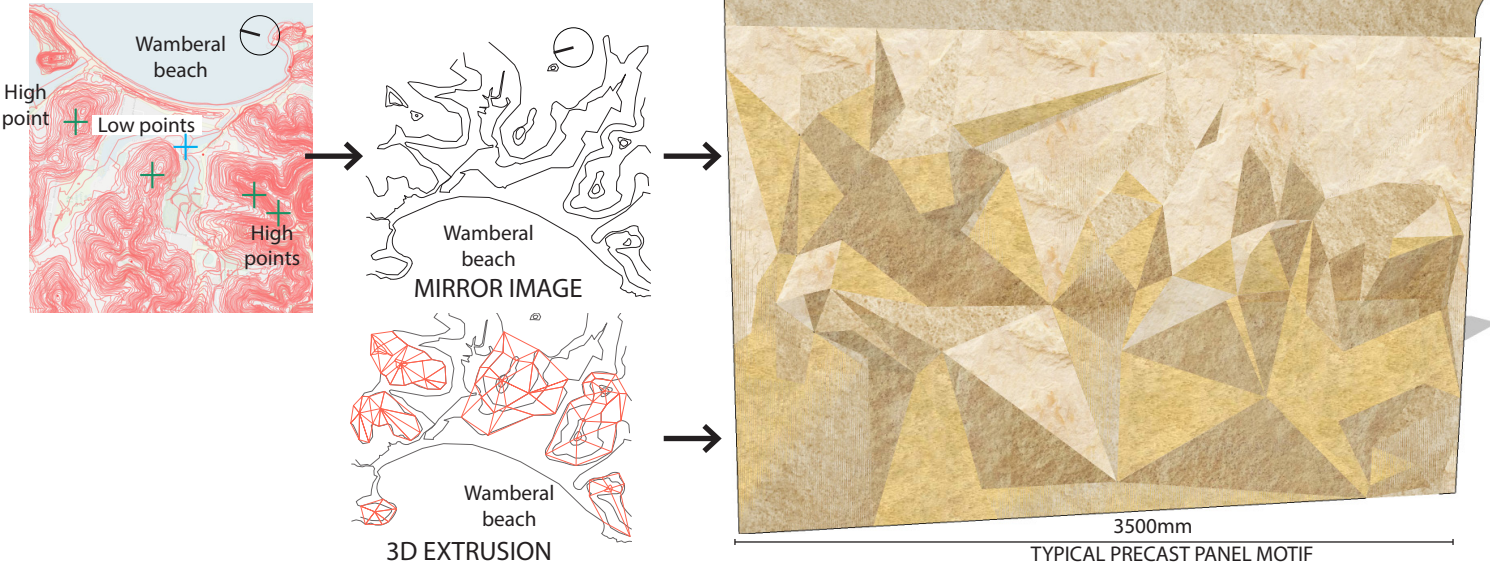


RENDER - PACIFIC STREET TO OCEAN VIEW DRIVE



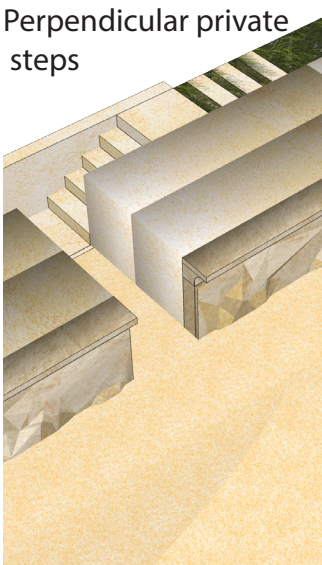
The concrete structure is designed to be tinted in sand colour to limit visual disruption. The façade of this vertical structure has surface decoration inspired by the contour lines of the Wamberal beach. A simplified 3D extrusion of the contour lines was designed to better withstand weathering if exposed.

LOCAL TOPOGRAPHY - MOTIF OF PRECAST PANELS



STRUCTURE FRONTAGE ARCHITECTURAL FINISH
Angular finish will create natural shadow

OPENING OF STRUCTURE AT ACCESS WAYS WITH EXAMPLES OF TAILORED PRIVATE STEPS



RETURNING ACCESS WAY

