

detailed design documentation

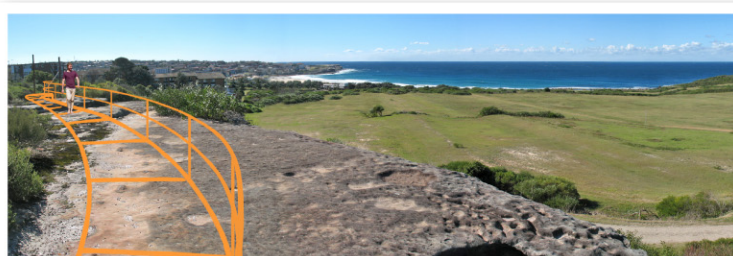
Malabar Headland Boardwalk & Stairs System

TBLD were engaged to investigate, refine and design the proposed extension of the popular coastal walk. Through extensive site visits, TBLD resolved key features including new stainless steel, timber and FRP boardwalk access structures; viewing platforms; and boardwalks over sensitive terrain. TBLD designed an enjoyable walk connecting Maroubra Beach to Malabar Beach, offering panoramic coastal views with minimal disturbance to endangered ESBS vegetation communities.

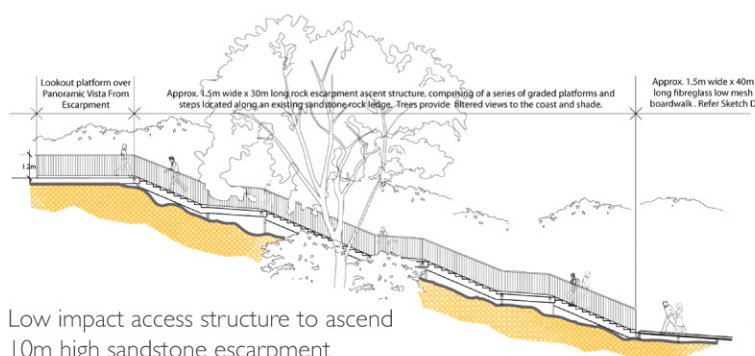
TBLD produced a Masterplan to environmentally, socially and economically link the two beaches over a dramatic sandstone escarpment using sustainable design principles to unobtrusively integrate the coastal walk into the natural environment.



TBLD, Randwick City Council and OEH assessed risk factors associated with areas of the escarpment. A risk reduction procedure was implemented that decreased the associated risk whilst maintaining the open nature of the site.



Sketch of boardwalk offering panoramic views over coast



Low impact access structure to ascend 10m high sandstone escarpment



Realistic photomontage of FRP boardwalk, showing use of new boardwalk materials that are durable, installed with minimal impact, allow light penetration for vegetation and direct visitors through the site without the need for additional infrastructure.



Protection of the ESBS endangered vegetation community