

LINK COMMUNITY TO FORESHORE

- 1 EXISTING SEAWALL WILL BE ASSESSED AND REBUILT. NEW ENVIRONMENTALLY FRIENDLY FORESHORE WILL BE RECREATED ALLOWING FOR A VARIETY OF DIVERSE FORESHORE HABITAT WHILE PROVIDING A COMFORTABLE PEDESTRIAN AND MAINTENANCE ACCESS AT SELECTED LOCATIONS.
- 2 BRIDGES OR BOARDWALKS WILL PROVIDE LOOKOUTS OR EXTRA SEATING AREAS.
- 3 NEW BOAT RAMP WITH FLOATING PONTOON
- 4 NEW SALTMARSH BAY WILL PROVIDE OPPORTUNITY FOR PUBLIC AWARENESS AND WILL INCREASE HABITAT DIVERSITY.
- 5 NEW BOARDWALK WILL CONNECT THE FORESHORE WITH THE REFURBISHED MARINA FRONTAGE INCLUDING BOAT TRAVEL LIFT AND MARINA RESTAURANT DECKS. THE NEW STRUCTURE WILL ACCOMMODATE FOR EXISTING AND PREDICTED COASTAL HAZARDS.
- 6 NEW SUSPENDED DECK OVER EXISTING SEAWALL WILL BE EXTENDED TO ENABLE A BETTER PROMENADE. WHARF ADJUSTMENT WITH UPGRADED DRAINAGE AND NEW PUMP OUT WILL BE PART OF THESE WORKS
- 7 NEW ROOF OVER EXISTING SEATING AREA AND ASSOCIATED LIGHTING WILL BE INTEGRATED WITH NEW FERRIES BUILDING WORKS
- 8 RELOCATED FERRIES BUILDING NEXT TO WHARF
- 9 HERITAGE STAIRS WILL BE UPGRADED AND LINKED WITH NEW SEATING AREA.
- 10 ELEVATED BOARDWALK STRUCTURE WILL EXTEND FROM PUBLIC WHARF TO WARATAH STREET. THE BOARDWALK WILL HAVE MINIMAL INTERFERENCE WITH EXISTING ROCK OUTCROPS. VIEWING BAYS AND SEATING MAY BE INCORPORATED TO MAXIMISE SCENIC VALUES OF THE NEW LINK.
- 11 A RECONFIGURED AND EXTENDED CARPARK WILL PROVIDE MORE TRAILER PARKING THAN EXISTING. IN SUMMARY THERE WILL BE 5 EXTRA TRAILER SPACES AND 1 EXTRA BUS SPACE.
- 12 NEW LIFT LOCATED WITHIN MARINA BUILDING WILL PROVIDE PUBLIC ACCESS TO EXISTING WHARF. INCLUDING ACCESS FOR MOBILITY IMPAIRED.
- 13 EXISTING FOOTPATH WILL BE UPGRADED TO IMPROVE ACCESS FROM NEW CULDESAC.
- 14 LINK TO EXCELSIOR ROAD WILL BE UPGRADED.

ENVIRONMENTALLY FRIENDLY DESIGN

TIDAL SALTMARSH BAY MAY BE ESTABLISHED AT NORTHERN END OF BAY. THE GROUND WILL BE PROFILED TO ACCURATELY REFLECT INTERTIDAL LEVELS SUITED TO SALTMARSH SPECIES.

STORMWATER WILL BE PRE-TREATED BY "AT-SOURCE SOLID POLLUTANT FILTER" PRIOR TO LEAVING NEW CARPARK SURFACES AND THEN DIRECTED INTO GRASSED BIOSWALES.

EXISTING FORESHORE SEAWALL WILL BE ASSESSED AND RECREATED WITH GENTLE SLOPES AND STEPPED BENCHES USING ENVIRONMENTALLY SENSITIVE PRINCIPLES. THE DESIGN WILL RESPECT STABILITY OF THE BED OF BAY AND WILL MAXIMISE HABITAT DIVERSITY AND COMPLEXITY AT APPROPRIATE TIDAL LEVELS SUITED FOR INTERTIDAL FLORA AND FAUNA. ELEVATED BOARDWALK WILL PROVIDE PEDESTRIAN ACCESS WITHOUT DISTURBING FORESHORE PROFILE BELOW.

This drawing is conceptual. The design was based on publications available from DECC including "ENVIRONMENTALLY FRIENDLY SEAWALLS: A GUIDE TO IMPROVING THE ENVIRONMENTAL VALUE OF SEAWALLS AND SEAWALL LINED FORESHORES AND ESTUARIES", DECC 2009 and "IDENTIFICATION GUIDELINES FOR ENDANGERED ECOLOGICAL COMMUNITIES" DECC 2007. Sydney tide levels were obtained from "MARLY HYDRAULICS LABORATORY". The predicted Sea Level Rises are considered in the design and a new RL 2.00 for the foreshore reflects SLR predicted in draft GHD Report 2011.

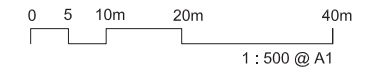


MASTER PLAN HEAD OF GUNNAMATTA BAY

PREPARED FOR
SUTHERLAND SHIRE COUNCIL
AUGUST 2011

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SCALE: 1 : 500 @A1
ISSUE: **M**
Dwg. : SK 01 of 2



LEGEND

- PROPOSED TREES
- EXISTING TREES
- EXISTING CONTOURS
- DELINEATION OF EXISTING SEAWALL BOARDWALK ALLOWING LIGHT TO GO THROUGH
- SHARED PATHWAYS
- EXISTING STORM WATER OUTLET
- INDICATIVE LOCATION OF BIOSWALES FOR STORM WATER TREATMENT
- PROPOSED LEVELS
RL 5.95
- NEW BOARDWALK OR TIMBER PLATFORM NORTH OF MARINA
- 2 m wide ACCESSIBLE FORESHORE BOARDWALK SOUTH OF MARINA
- ENVIRONMENTALLY FRIENDLY SEAWALL WITH POCKETS OF SALTMARSH SPECIES