



DATE: MARCH 2002

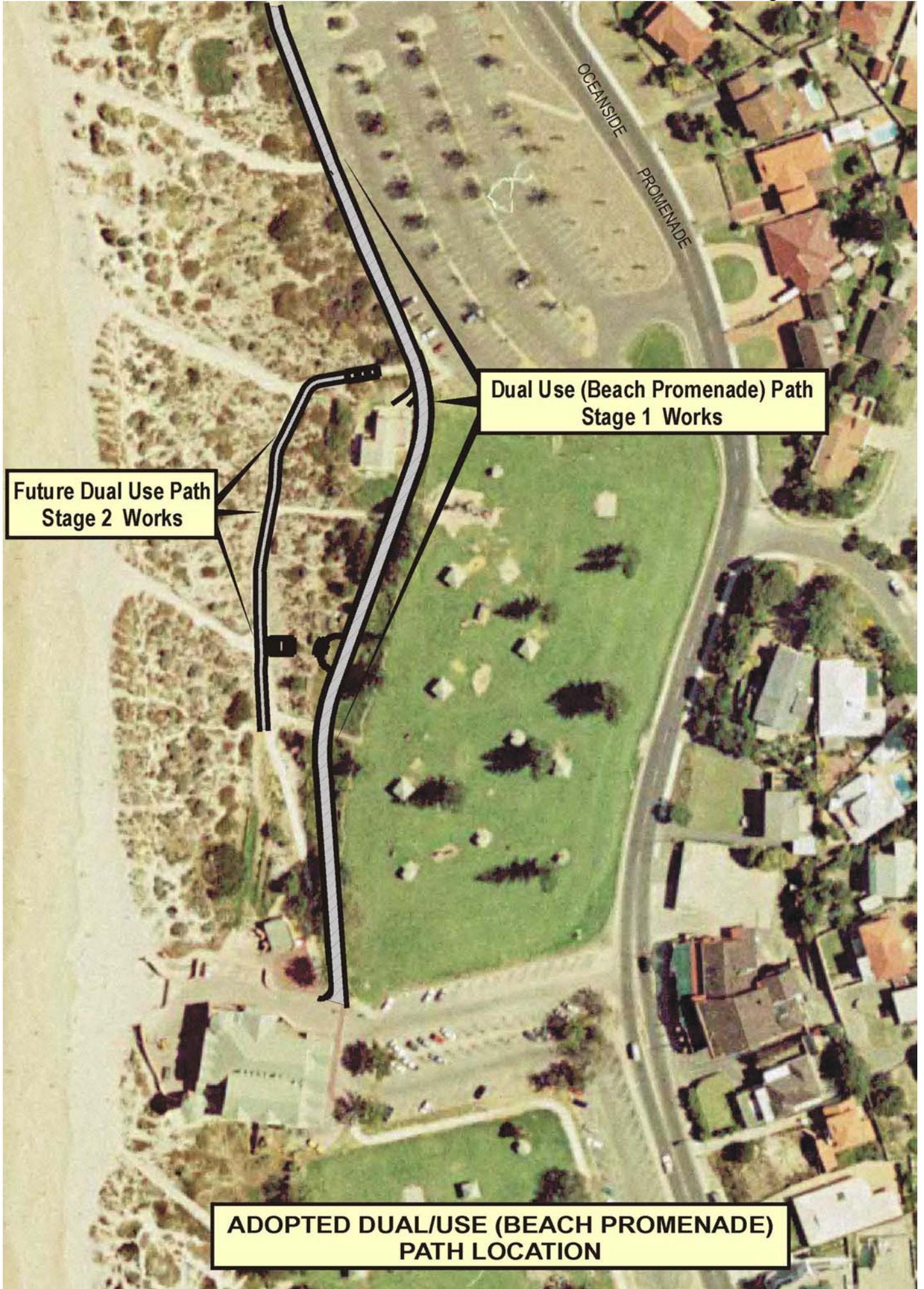
MULLALOO BEACH IMPROVEMENT PLAN

PLAN @

LEGEND

- 1) NEW ROUNDABOUT
- SAFER, WELL DEFINED VEHICULAR AND PEDESTRIAN ACCESS
- INCORPORATE MULLALOO BEACH ENTRY FEATURE AND SIGNAGE
- 2) LOCAL TRAFFIC ONLY ROAD
- 3) EXISTING ACCESS CLOSED
- 4) STRENGTHEN PLANTING TO ISLANDS
- 5) DUAL-USE PROMENADE
- LOW SPEED, SAFE ACCESS WAY
- 6) PEDESTRIAN BEACH ACCESS DELINEATED WITH FENCING
- 7) PEDESTRIAN BEACH ACCESS NODE WITH INTERPRETIVE SIGNAGE
- 8) DEFINED PEDESTRIAN ACCESS WAYS
- 9) EXISTING CARPARK ACCESS CLOSED (NEW TURF)
- 10) BUS STOP
- 11) DUAL-USE PATH
- HIGH SPEED COMMUTER TYPE
- 12) EXISTING PLAYGROUND WITH NEW SHADE STRUCTURE AND SEATING AREAS
- 13) PAVED PLAZA AROUND WC'S
- 14) RATIONALISE BEACH ACCESS WITH DEFINED PATHS
- INSTALL FENCING TO PROTECT DUNAL VEGETATION AND REHABILITATE
- 15) SHADE / SEATING NODES
- 16) BEACH ACCESS NODE / SHELTER
- 17) RATIONALISE LOCATION OF EXISTING SHELTERS AND BBQ'S
- LOCATE ADJACENT TO PATH SYSTEM TO OPEN UP GRASS AREA FOR ACTIVE PLAYS
- 18) BEACH PROMENADE
- DEFINES / PROTECTS EDGE OF DUNAL VEGETATION
- PROVIDES SAFE ACCESS TO BEACH
- 19) LOCAL TRAFFIC ONLY ROAD
- 20) NEW MULLALOO BEACH PRECINCT LIGHT POLES
- 21) BUS STOP
- 22) STRONG / SAFE PEDESTRIAN CONNECTION ACROSS ROAD
- 23) EXISTING PLAYGROUND UPGRADED
- 24) SHADE TREES TO EXISTING CARPARK
- PASSIVE, SEMI-ACTIVE AREA
- 25) SHADE / SEATING NODES
- 26) PEDESTRIAN PLAZA AROUND SURF CLUB
- RATIONALISE ACCESS TO BEACH
- 27) BEACH ACCESS NODE WITH INTERPRETIVE SIGNAGE
- 28) EXISTING DUNES
- RATIONALISE ACCESS
- FENCE ACCESS PATHS
- REHABILITATE VEGETATION
- 29) PATH CONNECTION TO RESIDENTIAL AREA
- 30) LOW GROUNDCOVER AND SHRUB PLANTING AS BUFFER TO RESIDENTIAL AREA
- 31) EXISTING PARALLEL PARKING
- OPTION TO CREATE 90° ANGLE PARKING
- 32) MULLALOO BEACH PRECINCT ENTRY FEATURE AND SIGNAGE

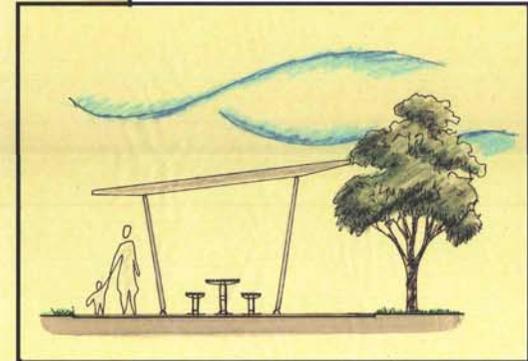
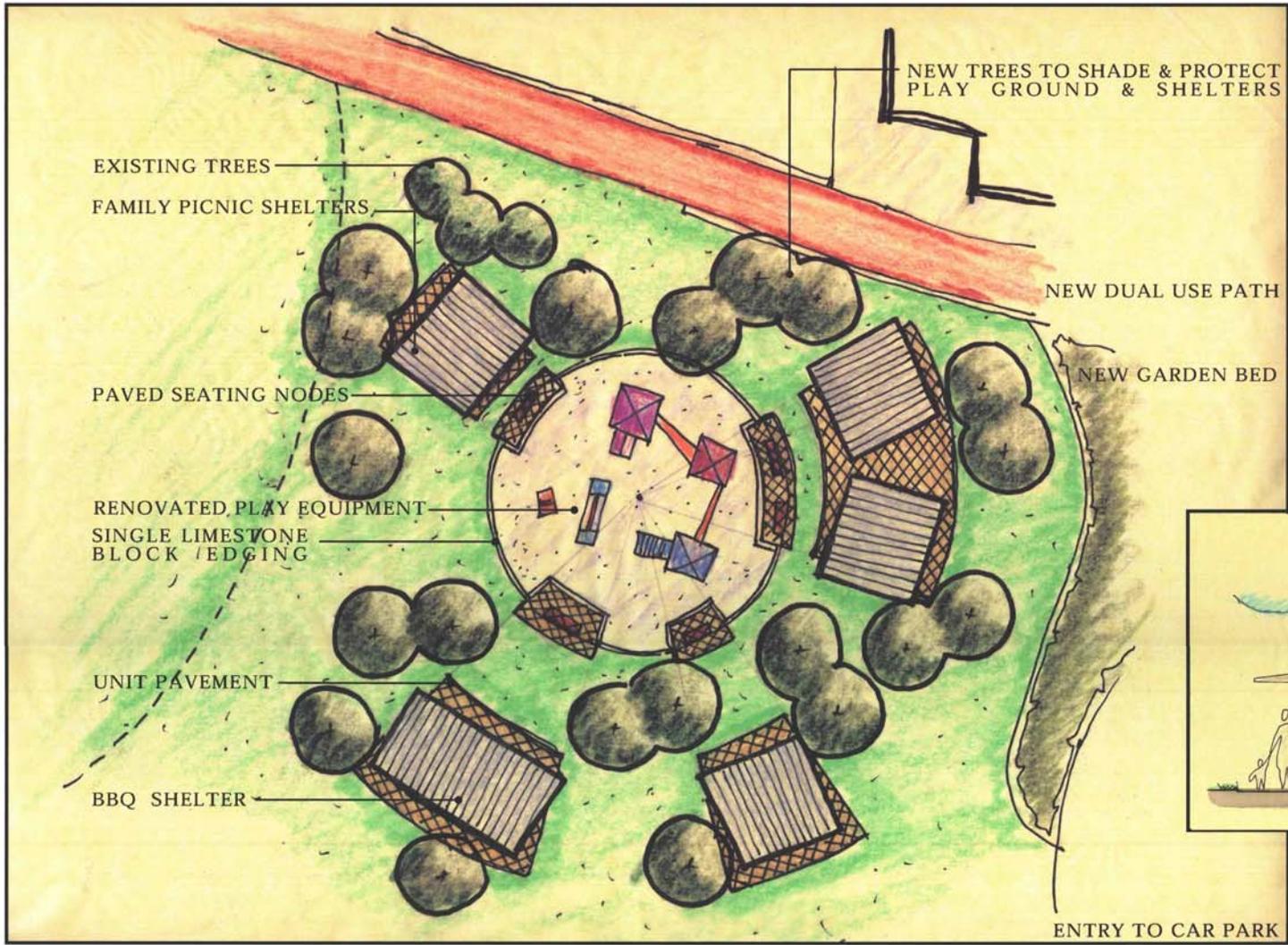




**Future Dual Use Path
Stage 2 Works**

**Dual Use (Beach Promenade) Path
Stage 1 Works**

**ADOPTED DUAL/USE (BEACH PROMENADE)
PATH LOCATION**



SHADE STRUCTURE NTS

PICNIC & PLAY GROUND AREA DETAILED CONCEPT DESIGN
SCALE 1:250 @ A3

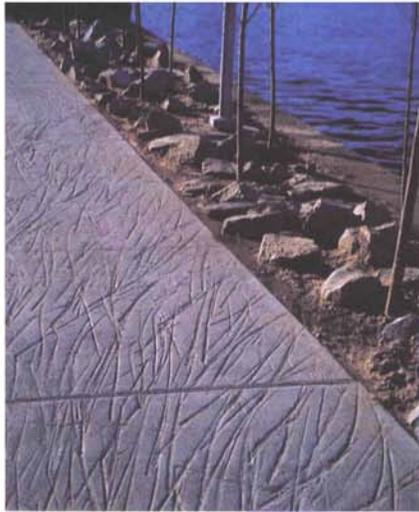
MULLALOO BEACH REDEVELOPMENT

CONCEPT SKETCH FOR CD-01 Rev A OCT 2003



MULLALOO BEACH REDEVELOPMENT

CONCEPT IMAGES FOR CD-01 Rev A OCT 2003



MULLALOO BEACH REDEVELOPMENT

CONCEPT IMAGES FOR CD-01 Rev A OCT 2003



MULLALOO BEACH REDEVELOPMENT

CONCEPT IMAGES FOR CD-01 Rev A OCT 2003

| No. | Description | Comment/Timeframe | Cost Estimate |
|-----|---|--|----------------|
| 1. | The construction of a new roundabout at the intersection of Iluka Drive to ensure safer, more legible and separated vehicular and pedestrian access into the existing car parking area, to slow traffic along Oceanside Promenade and ensure that pedestrian/cyclists are afforded safe access to the Tom Simpson Park and Mullaloo beach. Additionally, the construction of the Mullaloo beach precinct entry statement feature and signage is proposed. | Detailed design yet to be finalised/Stage 3. | Not available. |
| 2. | Noting Iluka Avenue as a local traffic only road. | As above. | As above |
| 3. | Closure of existing vehicular access to the existing car parking area on Oceanside Promenade. | As above. | As above. |
| 4. | Planting additional vegetation in existing islands within the existing car parking area. | As above. | As above. |
| 5. | Construction of a promenade type pathway along the western side of the existing car parking area to segregate vehicular and pedestrian access, thus minimizing vehicle/pedestrian conflicts. | Design as per Council resolution in December 2002 and shown in Attachment 3/Stage 1. | \$285,000. |
| 6. | Provide fencing along existing beach access path leading from the car parking area. | Location as per existing beach access path shown in Attachment 1/ Stage 2. | \$18,500. |
| 7. | Provide a dedicated pedestrian crossing (Node) across the trafficable area of the car park, together with interpretive signage. | Detailed design yet to be finalised/Stage 3. | Not available. |

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| 8. | Construction of pedestrian pathways as shown on the plan to form a continuous link from the crossing outlined above to the new roundabout. | Detailed design yet to be finalised /Stage 3. | As above. |
| 9. | The existing car park access being closed and replaced with lawn. | Detailed design yet to be finalised/Stage 3. | As above. |
| 10. | Provision of a bus embayment on the eastern side of Oceanside Promenade. | Detailed design yet to be finalised/Stage 3. | As above. |
| 11. | Construction of a dual use path along the western side of Oceanside Promenade, following the carriageway alignment. | Detailed design yet to be finalised /Stage 3. | As above. |
| 12. | Existing playground to remain and provided with new shade structure and seating. | Location and design shown in Attachments 1 & 4 respectively/Stage 2. | Shade structure \$15,000 + seating \$5,000 and renovation of existing playground equipment and edging \$6,050=\$26,050. |
| 13. | The existing toilet block being retained, with the construction of a paved plaza around the toilet block. | Design shown in Attachment 1/ Stage 2. | \$5600. |
| 14. | Rationalise existing uncontrolled beach access paths with defined paths, together with fencing to protect and assist rehabilitation of foreshore vegetation. | Design shown in Attachment 1/Stage 2. | \$18,500. |
| 15. | New shaded seating area. | Design shown in Attachment 1/Stage 2. | 13 family shelters @ \$5,000 each + 2 group shelters @ \$10,000each=\$85,000 |
| 16. | New shelter at the intersection of the beach access path (<i>As per 15 above</i>); | As above. | This shelter has been Incorporated into the above estimated cost. |

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| 17. | Rationalise the location of existing shelters and BBQs so that they are closer to the beach promenade pathway, thus opening up the grassed area for active recreational pursuits (<i>Refer to 15 above with respect to shelters</i>). | BBQ locations (x3) and design shown in Attachment 1 & 4 respectively/Stage 2. | \$24,500. |
| 18. | Construction of a new beach promenade pathway that will protect the edge of the primary dune system along its western side and ensure the flow of pedestrians into designated and controlled beach access paths, not over the primary dune system (<i>refer 5 above</i>); | Refer to comments in 5 above. | Refer to comments in 5 above. |
| 19. | Noting Marjorie Street as a local traffic only road. | Detailed design yet to be finalised/Stage 3. | Not available. |
| 20. | Provision of new Mullaloo beach precinct light poles along the central median of Oceanside Promenade from the new northern roundabout to the southern roundabout. | As above. | As above. |
| 21. | Provision of a bus embayment on the western side of Oceanside Promenade. | As above. | As above. |
| 22. | Provision of a pedestrian prioritised crossing point across Oceanside Promenade. | As above. | As above. |
| 23. | The existing playground being increased in size and range of function. | Location and design shown in Attachments 1 & 4 respectively/Stage 2. | Estimated cost shade structure \$15,000 + edging \$4400 + renovation of existing playground equipment \$1250 + upgrading of playground equipment to increase range of function \$5000=\$25650. |

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| 24. | Planting shade trees in existing islands within the existing car parking area. | Design shown in Attachment 1/ Stage 2. | \$2800. |
| 25. | New shaded seating areas (<i>As per 15 above</i>). | As per 15 above, however design of seating shown in Attachment 4. | As per 15 above. |
| 26. | The construction of a new paved plaza around the surf club, together with rationalisation of beach access to rehabilitate the primary dune system. | Design shown in Attachment 1/Stage 2. | Estimated paving cost \$28,000. |
| 27. | Rationalise the existing beach access path with a defined path, together with interpretive signage and fencing to protect and assist rehabilitation of the primary dune system. | Rationalisation of access paths as per 15 above. Signage location shown in Attachment 1/Stage 2. | Estimated cost of interpretive signage \$5,000. |
| 28. | Protect this section of the primary dune system from uncontrolled access with the provision of fencing and to also rehabilitate foreshore vegetation to assist stabilisation. | As per 15 and 27 above. | As per 15 and 27 above. |
| 29. | Construction of a pathway to protect the edge of the primary dune system along its western side and ensure the flow of pedestrians into the designated and controlled beach access path, not over the primary dune system. Also to provide a link to Merrifield Place. | Design shown in Attachment 1/Stage 2. | \$5,000. |
| 30. | Low groundcover and shrub planting to act as a buffer to adjoining residential properties | Design shown in Attachment 1/Stage 2. | \$20,000. |
| 31. | Existing parallel parking option to create 90 degree angle parking | This element has been deleted from the MBPCP. | |
| 32. | Construction of the Mullaloo beach entry statement feature and signage within existing roundabout | Detailed design yet to be finalised/Stage 3. | Not available. |