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**PROJECT BRIEF**

**INTRODUCTION**

The Foreshore development in its entirety will create an open space that will include a walking and cycling trail along the foreshore that will link to the existing walking trail creating 4.5km of trail from the Ceduna Senior Citizens Village to the Pinky Point reserve at Thevenard.

**PROJECT BRIEF**

Lighting that will provide safe access to the area at night along with upgraded and shaded playground and picnic areas with tree planting and permanent shade structures.

Exercise equipment and barbecue areas with tables and seating, a boardwalk linking the foreshore open space with the head of the jetty, and ensuring easy access onto the beach via ramps, steps and railing.

Power supply throughout the foreshore precinct to ensure safety and security devices and entertainment needs are accessible and provision of public toilet amenities.

The need for the foreshore development has come from numerous community consultations with the latest consultation being held on the 26th July 2012 and identification in Council’s strategic plan - the need for infrastructure upgrades and development to drive economic and employment growth in the community.

Architectural planning will ensure equilibrium between recreational and tourism developments and the preservation of the natural coastal environment.

The benefits of the Foreshore precinct project to the town will include:

- Improved open space and recreational facilities linking the CBD and jetty area i.e. seating, footpaths, lighting, parking underground power and services
- Improve the character and overall amenity of the foreshore and central business district.
- Act on the vision for Eyre and Western region to focus on Ceduna as the major commercial and service centre of the West Coast
- It will re-vitalise and create a more vibrant central business district for the West Coast of Eyre Peninsula.
- The new infrastructure will reflect the strong culture and heritage of the town, therefore creating community pride and a sense of local identity.
- The foreshore development will result in a significant decrease in vandalism, crime and other related social problems.
- It will improve the quality of life for the local community: encourage the retention and growth of population.
- The development will create an environment that is conducive to attracting further investment into the town.
- The development will stimulate and encourage local investment and business expansion.
- Additional employment opportunities (for indigenous & the wider community), will be created initially through the construction program and in the future through increased business activity.
- Attractive to tourist to encourage longer visitation.
- Expand the tourism industry through nature-based, adventure, culinary and sport tourism: building on the coast and national and conservation parks, and reinforcing local and visitor services and the holiday appeal of towns (Eyre and Western region plan).

**APPROACH**

Our role is to assist in realising the vision for the Ceduna Foreshore. The expectation is for an integrated and vibrant place contributing towards the social, environmental and economic life of the town of Ceduna. The building blocks are there - now the challenge is delivering: integration, coherence, inclusion, symbiosis and place creation.

Planning alone will not make the foreshore ‘sing’. For the foreshore to be connected and well used, it needs a strong community focused design approach. A unifying vision is a clear place to start (and the best means of gauging success along the journey) - it needs to establish the foreshore as the focus for the town by creating a place of comfort and activity.

This vision to establish a special place that supports the principles of:

- Responding to Ceduna’s unique sense of place, culture and lifestyle – celebrating ‘foreshore’ recreation, community activities and tourism drawcards.
- Providing an active community gathering and events place;
- Supporting active living through an improved walking and cycling environment, and passive and active recreation facilities;
- Supporting tourism through the development of an iconic place that is ‘of’ Ceduna, and one that is well-known and well-loved both locals and visitors alike.
- Appealing and attractive place with amenities and facilities supporting community events and activities and flexible spaces for seasonal and event activities.
- Working with key stakeholders on providing new opportunities to support foreshore; and
- Connecting the foreshore to the town through wayfinding and legible and accessible movement systems.

**PHASE 1:**

**INVESTIGATIONS + DATA GATHERING**

**PHASE 2:**

**RETURN BRIEF AND SKETCH PLAN**

**PHASE 3:**

**DRAFT MASTER PLAN**

**PHASE 4:**

**FINAL MASTER PLAN**

“**The master plan intent is to activate the Ceduna Foreshore, realising a community and recreational space that attracts residents and tourists**”
EXISTING FORESHORE SITE

AERIAL PHOTO
NORTH SHORE PRECINCT

- Beach
- Irrigated lawn
- Concrete Path
- Asphalt
- Rip-rap rock
- Playground / Fitness
- Existing Tree
- New Tree
- Deck
- Shelter
- Rubble path
- Stormwater outlet

- Murat Bay
- Town Beach
- O’Loughlin Tce
- New ramp and beach access
- New lookout deck
- New rubble path
- Vehicle turn-around and car parking
- Existing beach shelter retained + refurbished
- New interpretative lookout and stone wall
- New ramp and beach access
- New lookout deck
- New rubble path
- Vehicle turn-around and car parking
- Existing beach shelter retained + refurbished
- New interpretative lookout and stone wall

- North shore precinct
- North Shore
- CEDUNA FOreshORE | MasterPlan
- oXIGen

- Beached
- Irrigated lawn
- Concrete Path
- Asphalt
- Rip-rap rock
- Playground / Fitness
- Existing Tree
- New Tree
- Deck
- Shelter
- Rubble path
- Stormwater outlet

- New picnic shelter
- Park + explore parking
- New fitness / activity stations
- New avenue path through existing trees
- Formalised beach access road
- Existing rubble carpark. Possible future removal - for discussion

- North shore precinct
- North Shore
- CEDUNA FOreshORE | MasterPlan
- oXIGen
**CENTRAL FORESHORE PRECINCT**

- New Concrete Foreshore Path
- Refurbish Existing Beach Shelters
- New Toilet Pavilion
- Retain Boat Ramp + Fish Cleaning Station
- New Seating Deck and Beach Access Over Existing Stormwater Pipe
- New Rock Rip-Rap Around Head of Jetty
- New Garden Beds and Decking Under Existing Norfolk Pines
- New Rock Rip-Rap Along Foreshore Edge to Mitigate Stormwater Erosion
- Existing Playground Maintained
- Existing Carpark Re-structured. Maintain Tiny Launching Facilities
- Existing Play Ground
- Maintain Tinny Launching Facilities
- New Swimming Enclosure
- New Swimming Enclosure
- New Picnic Shelter
- Car Parking Zone
- New Concrete Foreshore Path
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- Existing Play Ground
- Maintain Tinny Launching Facilities
- New Swimming Enclosure
- New Swimming Enclosure
- New Picnic Shelter
- Car Parking Zone

**Key Details:**

- Beach
- Irrigated lawn
- Concrete Path
- Asphalt
- Rip-rap rock
- Playground / Fitness
- Existing Tree
- New Tree
- Deck
- Shelter
- Bubble path
- Stormwater outlet
**SOUTH SHORE PRECINCT**

- Encounter Trail Connection
- New Toilet Pavilion
- Maintain Open Lawn for Rigging and Events
- New Seating Deck and Beach Access over Existing Stormwater Pipe
- New Toilet Pavilion and Showers with Beach Access to Refurbished Shelter
- New Concrete Foreshore Path
- New Rock Rip-Rap along Foreshore Edge to Mitigate Stormwater Erosion
- Existing Playground Maintained
- New 3 on 3 Court
- New Beach Volleyball Courts
- New Picnic Shelter
- Maintain + Reinforce Open Lawn Areas with New Canopy Trees
- New Concrete Pavement and Showers with Beach Access to Refurbished Shelter
- Encountet Trail Connection
- New Beach Volleyball Courts
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- Maintain + Reinforce Open Lawn Areas with New Canopy Trees
1. Provide a new shared use path extending from the sailing club to the aged care.
2. Connect foreshore to Poynton St and laneways.
3. Provide controlled beach access aligned to the beach edge conditions, adjacent uses + broader footpath.
4. Incorporate the existing Encounter Trail.
5. Design the shared use path for recreation.
6. Incorporate access to the beach for both pedestrians, emergency and maintenance vehicles.
7. Retain boat access to the existing ramps.
SAFETY + SECURITY

1. Consider CPTED within the precinct.
2. Utilise LED lighting.
3. Select fittings with housings that control the direction of lighting to reduce light spill towards the beach and surrounding residents.
4. Restrict walls and drop-offs to under 1m to reduce the requirements for barriers and fencing.
5. Incorporate improved toilets.
STREET + PARK FURNITURE

1. Provide consistency with the existing suite of furniture used within the CBD precinct.
2. Incorporate shade in locating seats + picnic facilities.
3. Provide shelter from wind.
4. Include public art, furniture and signage.
5. Include drinking fountains and dog bowls.
6. Use robust and sustainable materials where possible.
7. Include public infrastructure for events such as power bollards, 3 phase power and sewer connections for port-a-loos.

Consistent furniture suite
Event infrastructure
Public art opportunity
STREET + PARK FURNITURE
PROPOSED

SHelters
- minimize roof pitch to allow views
- powdercoated steel

Picnic tables
- new settings of corten steel and GRC tops

Drinking fountain
- push button
- wheelchair accessible

Push button electric BBQ (match existing)

Bollards (match existing)
- powdercoated to council standard colours

Bin surrounds (match existing)
- powdercoated to council standard colours
- provide cowls to restrict access

Streetlighting (match existing)
- match pole heights and colour to existing
1. Provide additional visually lightweight shelters for shade.
2. Replace the existing toilets, reuse existing water and sewer connections.
3. Retain and refurbish the main beach shelter and provide refurbishment at "Alexander Beach".
4. Maintain and enhance the fish cleaning station.
5. Retain and refurbish the smaller beach shelters to allow for school and community use.
6. Consider a new jetty swimming enclosure.
1. Retain all existing trees where possible.
2. Maintain and improve existing lawn irrigation.
3. Provide new tree planting to provide additional shade in the events area.
4. Consider long-term replacement of the northern gravel carpark with irrigated grass.
5. Reinforce the pine tree avenue.
6. Define palette of trees to successful foreshore species including Norfolk Island Pines, evergreen oaks, Eucalyptus and Tuckeroo.
7. Provide a revegetation buffer (local native species) at the northern end retaining key views for residents.
8. Provide additional tree planting to car parks and O’Loughlin Tce.
TREES
PROPOSED

**ARACARIA HETEROPHYLLA**
Norfolk Island Pine

**QUERCUS ILEX**
Evergreen Oak

**CUPANOPSIS AMERICANODE**
Tuckeroo

**PINUS HALEPENSI**
Aleppo Pine

**EUCALYPTUS GRAECUS**
White Mallee

**EUCALYPTUS OLKOSA**
Red Mallee

**EUCALYPTUS TRIVALVIS**
Mallee

**EUCALYPTUS YOUNGIANA**
Large-fruited Mallee

**PITOSPORUM RHULTRAEGIES VAR. MICROCARMA**
Native Apricot

**SANTALUM ACNUMATUM**
Quandong
1. Continue the visual ‘open-ness’ of the foreshore for CPTED reasons and to preserve views to Murat Bay.
2. Retain the open rigging lawn areas adjacent to the sailing club.
3. Improving the existing playgrounds including provision of volleyball, basketball and 3on3 courts.
4. Include fitness equipment and outdoor gym in northern section of the precinct.
5. Incorporate water play in the jetty head plaza.
7. Increase the size of the southern playground into a larger play space.
8. Allow for future inclusion of popup café/concession stands.
9. Incorporate existing uses of the jetty including fishing and swimming enclosure.
10. Encourage bike/kayak hire popup.
11. Explore options for wind protection and associate with look out areas and boardwalk zones.
12. Provide connections for power, water and sewer to assist and facilitate foreshore events.
PLAY + FITNESS

BEACH VOLLEYBALL

HALF COURT BASKETBALL

ROPE CLIMBING FRAME

DOUBLE SWING SET

PLAY GROUND

FITNESS STATIONS

WATER PLAY
EVENT OVERLAY

1. Retain the existing open lawn areas along foreshore.
2. Consolidate event spaces for Oysterfest and other community activities.
3. Encourage use of the jetty head plaza for smaller events such as temporary markets.
4. Consider establishing sporting events like a Ceduna Triathlon, kite festival or annual fishing competitions.
5. Explore opportunities to become a regular site for regional art programs or inclusion on the Fringe festival.
CAR PARKING

1. Retain the 2 existing carparks which can also double as event spaces.
2. Provide new structure as well as shade trees to visually and functionally soften the central carpark.
3. Retain on-street parking at the head of the jetty.
4. Consider long-term replacement of the northern gravel carpark with irrigated grass.
5. Retain and control access to the Alexanders Beach shelter.
6. Remove exit road to Alexander Beach and revegetate with native species.
7. Retain parallel on-street parking along O’Loughlin Terrace including parking for long vehicles and caravans.
1. Consolidate existing storm water outlets to assist in dispersion into the bay.
2. Dissipate flows before entering the beach zone.
3. Revegetate banks adjacent Alexander Beach.
4. Control and restrict access down to the beach from edge cliffs.
5. Provide rock riprap and rock swales to protect the beach and beach wall.
6. Locate the new shared path above the existing beach wall.
7. Consider as a priority the protection and conservation of the existing cliffs and retention of sand on the beach.
8. Mitigate the effects of stormwater discharge before entering the beach, including water quality.
9. Consider as an objective, the long term goal of increased sand levels along beach.
STORMWATER + COASTAL PROTECTION

EXISTING
- Stormwater pipes extruding from existing beach wall.
- Causing significant erosion and loss of beach sand

STAGE 1
- Cut stormwater pipes back
- Install new pre-cast concrete headwall
- Install new concrete footpath in conjunction with foreshore works

STAGE 3
- Install new concrete / gabion basket wall to mitigate the flow and energy of the stormwater
- Install rip rap rock along beach wall face, creating a rock swale to disperse the stormwater flow and energy across the beach and allow soakage through

STAGE 4
- Optional deck and access stairway
- Seating deck structure to be constructed on-top of new wall and conceal storm water infrastructure in addition to providing accessible beach access
STORMWATER + COASTAL PROTECTION

Overview:
- Existing stormwater pipe
- New headwall
- New rock rip rap
- New stormwater dispersing wall
- New concrete path
- New seating deck

Details:
- Sectional view of proposed stormwater solution
- Axonometric view of optional deck structure
- View from the beach of optional deck structure and access stairs
MATERIALS
SURFACES + PAVEMENTS

**INSITU CONCRETE PAVEMENT**
- Finish: Washed aggregate
- Locations: Esplanade walk

**DECOMPOSED CRUSHED GRANITE**
- Finish: Stabilised and compacted
- Locations: Fitness equipment surrounds

**CONCRETE UNIT PAVERS**
- Finish: Light shot blast
- Locations: Head of jetty

**HARDWOOD DECKING**
- Finish: Rough sawn
- Locations: Norfolk Island Tree surrounds and lookout decks.

**LOOKOUT DECKS**
- Locations: Foreshore lawns and storm water inlets

**IRRIGATED GRASS**
- Locations: Foreshore lawns

**PLANTING BEDS**
- Locations: Head of jetty amenity beds, adjacent road intersections.
NORTH SHORE AVENUE PATH
EXISTING

NORTHERN SHORE PRECINCT

- New central pathway with lighting
- Fitness stations at regular intervals
- Low stone seating walls
- Path connections to O’Loughlin Terrace
- New lookout deck
EXISTING

ALEXANDERS BEACH LOOKOUT

- New pathway and connections
- Natural rock seating
- Stone wall edge with interpretive signage
- Native understorey planting
**SOUTH FORESHORE PATH**

**EXISTING**

**PROPOSED**

**SOUTHERN PRECINCT**

- New pathway and lighting
- Rock scour protection and storm water dissipation swales
- Viewing decks with seating
- Improved toilets
CENTRAL FOreshORE JETTY PATH
EXISTING

PROPOSED

CENTRAL FOreshORE

- New pathway and lighting
- Rock scour protection and storm water dissipation swales
- Viewing decks with seating
- Amenity planting beds
- Timber deck and seating around existing Norfolk Island Pines
PACKAGES

PACKAGE 1
Establish the structure of the master plan by defining pathways:

- Provide new pathway from the Yacht Club to head of Jetty.
- Provide new central pathway from the head of jetty and connect to the existing footpath adjacent North Terrace.
- Connect new paths to the Encounter Trail.

PACKAGE 2
Improve storm water controls:

- Provide rock work and outlet improvements to dissipate storm water flow.
- Provide new headwalls and pipework.
- Create lookout decks.

PACKAGE 3
Improve existing assets:

- Provide new play equipment and street furniture.
- Provide new lighting.
- Provide new tree planting.
- Improve existing car park and event spaces.
- Provide new services including power outlets and sewer connections.
- Provide new fitness stations.

PACKAGE 4
Community enhancements:

- Provide water play at the head of jetty zone.
- Provide seating decks around existing Norfolk Island Trees.
- Improve toilets and fish cleaning station.
- Improve street and laneway connections.
- Provide half court basketball.
- Provide additional shelters in lawn areas and adjacent play spaces and improve existing beach shelters.
- Provide new plantings to Aged Care landscape buffer.