

#### F-01 FORESHORE

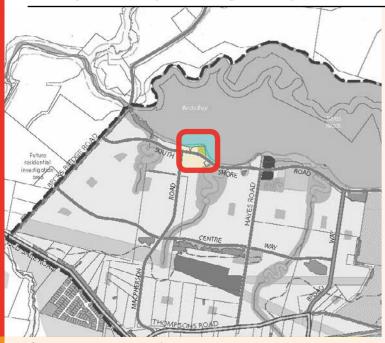


Figure 1: F-01 PSP context plan

#### **PSP CONTEXT/ROLE**

The PSP designates the site as a 'Parkland - Special Use (Foreshore)' with an open space area of 0.84 hectares.

The future urban structure plan shows:

- > The consolidation of farm channels into a single drainage way located to the east of the site.
- > South Shores Road (Connector Road) is planned as the southern boundary to the site.
- > Residential development is shown to boarder the western boundary of the site however the exact interface is not detailed.
- > Residential development is also planned opposite South Shores Road for the length of the site.

#### **DESIGN RESPONSE**

- > To protect and capitalise on views.
- > To provide safe access to water and surrounding landscape.
- > To provide protected seating areas near water.
- > To create views into the park from the surrounding roads and residential areas.
- > To adjust the site boundary to maximise space on north side of the hill.
- > To create clear shared path route through the site.
- > To create shade and wind protection through tree planting and shelter.
- > To provide an iconic landmark on hill top.
- > To promote both individual and group activities.
- > To cater for passive recreational use.
- > To ensure passive surveillance from future surrounding residents is achieved.



Figure 2: F-01 Design Response Plan

Figure 3: F-01 Site Photos

#### **EXISTING SITE CHARACTER**

- > Elevated, falling to the north and east.
- > Ephemeral north and east waterway edges.
- > Views over the Latrobe River delta and to Yallourn power plant cooling towers.
- > Exposed to wind particularly on top of hill. Partially protected area on North side of hill.
- > Largely void of existing vegetation.
- > Man made farm channels exist adjacent the site to the west and south east.

#### **©** LANDSCAPE VISION

A local park with an emphasis on intimate/ contemplative spaces for individuals or small groups.

These spaces should be created through utilising topography, micro climates and capturing views of the scenic river delta landscape and wildlife. It is expected that people will stay for a short to medium time, to use the park as a destination for walks or short family outings.



#### Key Uses/Infrastructure:

- > Shelter
- > Boardwalk on north side of hill
- > Waterway crossing opportunities
- > Creative seating opportunities
- > Substantial tree planting
- > Shared path connections
- > Picnic tables
- > Revegetation along shore



#### Optional Uses/Infrastructure:

- > Seating nooks
- > BBQ

#### F-01 FORESHORE

#### **Landscape Elements**

- Boardwalk along existing brush and with views down stream to the lake.
- **Jetty** reaching into the brush. Possibility to extend into large trail into the river delta.
- Dynamic boardwalk that creates unique stopping places for small groups of people.
- All weather **elevated seating** with views of river delta.
- Future residential development with direct relationship to the park, providing passive surveillance.
- Shared path meandering through the site and responding to landform.
- Layered platforms providing access to the water at varying water levels.
- Informal crossing to island via stepping stones at natural shallow of tributary unlocking exploration of the surrounding environment.
- **Seating nooks** that provide unique intimate seating experiences.
- Tree planting on east side of hill to reduce wind and provide shade. The location of the trees should channel/emphasise view lines to the Lake and to the Yallourn power plant cooling towers in the distance.
- **Light weight picnic shelter** with 180° views of the river delta environment, Lake Narracan environment and Yallourn power plant.

Proposed Tree

**Existing Tree Retained** 

Decking/Boardwalk

Significant Topography

View Lines Grass Lawn Area

Maximise on-street parallel car parking.

ndicative Future Title Boundary

ncrete Path (1.5-2m wide)

Shared Path (2.5-3m wide)



**DRAWING KEY** 

#### F-01 FORESHORE

#### Opinion of Probable Cost

Site area = ~0.85 hectares

				Cost (\$)			
em Description	Indicative Quantity	Unit	Indicative Rate	Full Construction (including optional Items)	Stage 1	Stage 2	Optiona
1 Preliminary				\$45,000.00			
1.1 Site establishment of:							
- Waste management, - Access management, - Security (fencing),			Approx. 15% of				
- Tree protection zones, - Site water management, - Site amenities.	1	item	landscape works total cost	\$45,000.00	\$25,000.00	\$20,000.00	
(This is and indicative list of likely inclusions only)							
0.0				** ***			
2 Demolition Works 2.1 Removal of existing farm fencing	1	item	1000	<b>\$1,000.00</b> \$1,000.00	\$1,000.00		
2.1 Removal of existing familiencing	Į.	ILEIII	1000	\$1,000.00	\$1,000.00		
3 Earthworks				\$5,600.00			
3.1 Cut and fill by machine to an average depth of 300mm	700	m <sup>2</sup>	8	\$5,600.00	\$2,800.00	\$2,800.00	
4 Paving + Paths				\$67,840.00			
4.1 Shared Path 3 metres wide	152	lin m	250	\$38,000.00	\$38,000.00		
4.2 Gravel Paths 2.5 metres wide	328	$m^2$	30	\$9,840.00	\$9,840.00		
<b>4.3</b> Stairs leading from shelter to the boardwalk.	1	item	20000	\$20,000.00	\$20,000.00		
5 Planting				\$10,522.00			
5.1 Garden bed preparation including cultivation,	119	m <sup>2</sup>	30	\$3,570.00	\$1,785.00	\$1,785.00	
conditioning and imported top soil.  5.2 Garden bed shrub/ground cover planting (tube stock) 5	113		30	ψ3,370.00	ψ1,705.00	ψ1,703.00	
plants per square metre.	119	$m^2$	8	\$952.00	\$476.00	\$476.00	
5.3 Tree planting (45L) including mulch ring and minimum 3 support stakes.	30	no.	200	\$6,000.00	\$6,000.00		
6 Features				\$247,200.00			
6.2 Boardwalk/decking along waters edge including Jetty and platforms.	674	m <sup>2</sup>	350	\$235,900.00	\$117,950.00	\$117,950.00	
6.3 Stepping stones over waterway	1	item	1500	\$1,500.00		\$1,500.00	
6.4 Triangular seating nooks cut into hill	3	item	3000	\$9,000.00			\$9,000.0
6.5 View line Pylon's	8	item	100	\$800.00			\$800.0
7 Grassing				\$8,100.00			
7.1 Partial Establish/Re-establish healthy grassed lawn area on north side of hill	900	m <sup>2</sup>	9	\$8,100.00	\$4,050.00	\$4,050.00	
8 Furniture/Shelter				\$66,000.00			
8.1 Picnic tables and benches	4	item	4000	\$16,000.00	\$16,000.00		
8.2 Lounge chairs	6	item	2000	\$12,000.00		\$12,000.00	
8.3 Abstract designed shelter to form centre piece of park.	1	item	30000	\$30,000.00	\$30,000.00		
8.4 BBQ (2 panel)	1	item	8000	\$8,000.00			\$8,000.
8.5 BBQ connection to services (electric or gas)	1	item	15000	\$15,000.00			\$15,000.
9 Maintenance				\$11,700.00			
9.1 Maintain for duration of establishment period, including existing trees and reinstatement areas, fertiliser, watering, top-up mulch.	26	weeks	450	\$11,700.00	\$5,850.00	\$5,850.00	
				Full Construction (including optional Items)	Stage 1	Stage 2	Optiona
LAND	SCAPE WOR	RKS TO	TAL (exclusive of GST)	\$462,962.00	\$278,751.00	\$166,411.00	\$32,800.
			Contingency (10%)	\$509,258.20	\$306,626.10	\$183,052.10	\$36,080.

#### STAGE 1 ITEMS \$280K-\$310K

- > Shared path through the site to ensure the wider network is connected.
- > Shelte
- > Gravel paving area under shelter and connection to shared path.
- > Picnic table sets under shelter and flat areas of the hill.
- > West section of boardwalk on north side of hill.
- > Central staircase between shelter and boardwalk.
- > All tree planting to establish trees as early as possible.
- > Revegetation along shore.
- > Removal of existing farm fence.

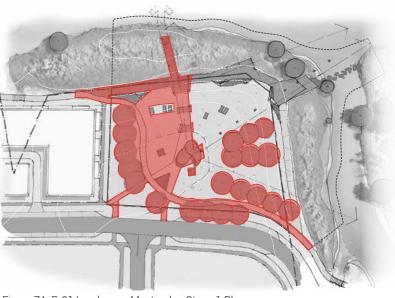


Figure 7A: F-01 Landscape Masterplan Stage 1 Plan

#### STAGE 2 ITEMS \$160-K-\$185K

- > Completion of eastern section of the boardwalk including shore side platforms.
- > Additional paved pathway to connect boardwalk to the shared path.
- > Lounge chairs scattered along the north hill side.
- > Stepping stone across the waterway to the adjacent island.



Figure 7B: F-01 Landscape Masterplan Stage 2 Plan

#### OPTIONAL ITEMS \$32K-\$38K

- > Double BBQ including connecting required services (gas or electricity).
- > Seating nooks partially cut into the hill side.



Figure 7C: F-01 Landscape Masterplan Optional Items Plan



#### F-03 TURRAS REACH FORESHORE PARK



PSP CONTEXT/ROLE

The PSP designates the site as a 'Parkland - Special Use (Foreshore)' with an open space area of 4.4 hectares. It specifies it is to be named 'Turras Reach Foreshore Park' and will provide district level playground and viewing area at high point overlooking the lake.

The future urban structure plan details/shows:

- > A state primary school and community centre opposite South Shore Road.
- Becks Bay Village Centre, located to the west of the site, which will contain fine grain retail, supermarket, commercial and medium density residential.
- South Shores Road (Connector Road) is planned as the southern boundary to the site.
- A shared path running east west within the site.
- District playground.
- Civic space to be named 'Monash Square' in reference to the central civic space in the historic township of Yallourn located to the west of the site.

#### **DESIGN RESPONSE**

- To provide a series of overlapping and connected activities across the site that accommodate a variety of
- To provide social spaces and shelter at the nexus of pathways an activities.
- To protect and capitalise on views.
- To provide safe access to water and surrounding landscape through a variety of water interface treatments.
- To create views into the park from the surrounding roads and residential areas.
- To locate formal playgrounds close to retail (cafe or restaurant uses preferred) for convenient passive and parental surveillance.
- To provide a district playground that caters for all ages and abilities, encouraging inter-generational play.
- > To create clear shared path route that joins activities within the park and connects to the adjacent school, community centre and Becks Bay Village.
- > To retain and protect existing trees and vegetation where possible.
- > To use existing tree canopies for shade where possible.
- To create shade and wind protection through tree planting and shelters.

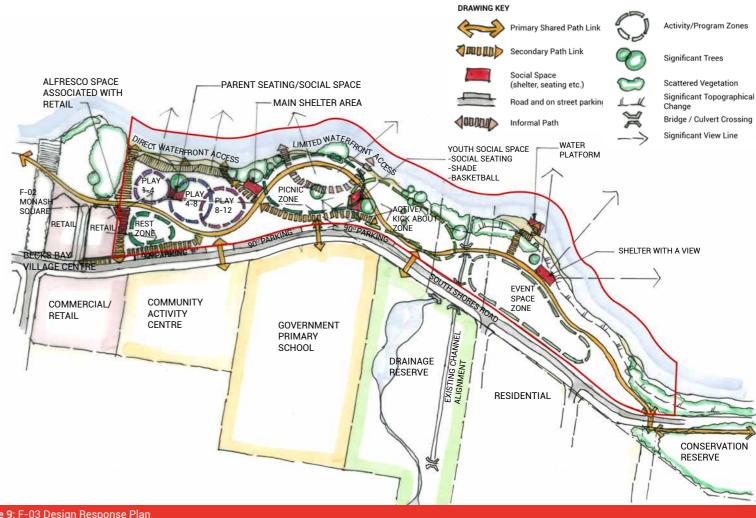


Figure 9: F-03 Design Response Plan









Figure 10: F-03 Site Photos

#### **EXISTING SITE CHARACTER**

- > Elongated site falling to the north and west.
- Elevated in the eastern area
- Scattered vegetation mostly along the shore line. Several large canopy trees throughout site of landscape value. Dense vegetation in the east of the site.
- Site currently used for hover crafts and model planes.
- Partially exposed to wind along the south side of the site.
- Largely void of existing vegetation.
- > Man made farm channels cut through the site.

#### LANDSCAPE VISION

District level open space leverages the relationship to the future Becks Bay Village Centre and adapts/ transitions around the natural features of Lake Narracan foreshore. The park will cater to a diverse range of user groups and age groups and will encourage interaction through overlapping uses and programs. All features of the park will be accessible to all and connections will be sympathetic to existing vegetation and consider adjacent land uses (e.g. primary school, community activity centre and drainage/conservation reserves).



#### Key Uses/Infrastructure:

- Playgrounds for all ages and accessibility
- Circuit path for scooters and bikes.
- Lighting
- Water fountains
- Bike Parking
- Shelters
- Convenient car parking

- > Youth social space
- > Kick about spaces
- > Picnic grounds
- Half basketball court
- > Shared path network (must connect to School, CAC, drainage reserve and NAC)
- > Substantial tree planting



#### Optional Uses/Infrastructure:

- > Water play area
- > Boardwalk lake edge
- > Skate/scooter trail

#### F-03 TURRAS REACH FORESHORE PARK

Figure 11: F-03 Overall Landscape Masterplan

Overall Landscape Masterplan DRAWING KEY Concrete Path (1.5-2m wide) **Existing Tree Retained Existing Vegetation Retained** Significant Topography View Lines Grass Lawn Area Commercial/ Retail Government Primary School **Community Activity** Commercial/ Centre Retail Drainage Reserve Foreshore West refer page 7 Residential Residential Conservation Reserve Foreshore Eastrefer page 8

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# F-03 TURRAS REACH

#### Landscape Masterplan

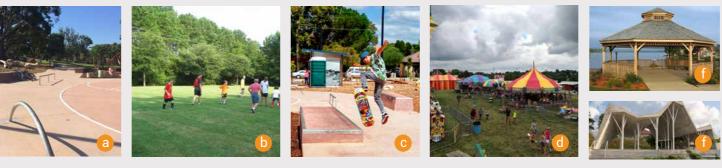
- **a Alfresco dining** with views of the toddler playground.
- **Formal boardwalk edge** with seating and frequent ramps or steps down to waters edge.
- Possible boardwalk extension to waterfront retail dining precinct.
- d Water playground (all ages) close to the lake boardwalk and shelter. Playground design should reference Yallourn township history through abstract forms or activities. Water play may include water jets, mist sprays, interactive water channels and showers.
- e Picnic grounds with substantial tree planting to increase shade and biodiversity.
- Main shelter located central to the western area with views of the picnic grounds, playgrounds and lake. The design should reference Yallourn historic township/ power plant through abstract forms.
- Possible second shelter.
- **Resting grass mounds** that interconnect to create social spaces.
- Ensure strong pedestrian connection to Becks Bay Village Centre.
- Clear, safe and convenient **pedestrian crossings** over South Shores Road to
  connect to school and community centre.
  This will likely be through the use of road
  threshold treatments or medians. Zebra
  crossings will not be appropriate in this
  location.
- **F-02 Civic space** to be named 'Monash Square' in reference to civic space at centre of the original township of Yallourn.
- **Toilet** co-located with retail uses.
- **Toilet** to be co-located with shelter



## F-03 TURRAS REACH

#### Landscape Masterplan

- a Youth social space including half basketball court, creative seating opportunities, shade and landscape planting.
- **Informal Ball Sports** boarder by existing and planted trees utilising flat land. Potential for line marking and goal posts.
- Informal skate elements/trail located along the shared path and edges of the basketball court.
- Open field/large events space. Opportunity for informal ball games including cricket and football. Appropriate space for large annual community events.
- Utilise existing waterway crossing.
- **Pavilion** that is sympathetic to natural landscape and views and appropriate for use as event stage.
- Resting place with seating shade and lake views.
- **Shared path crossing** of South Shore Road due to vegetation and topographic constraints.
- Clear, safe and convenient **pedestrian crossings** over South Shore Road to connect surrounding residential and open space corridor. This will likely be through the use of road threshold treatments or medians. Zebra crossings will not be appropriate in this location.





#### F-03 TURRAS REACH FORESHORE

#### Opinion of Probable Cost

						Cost (\$)		
em	Description	Indicative Quantity	Unit	Indicative Rate	Full Construction (including optional Items)	Stage 1	Stage 2	Optiona
1 Preliminar					\$165,000.00			
- Access m - Security ( - Tree proti - Site wate - Site amer	anagement, nanagement, fencing), ection zones, r management,	1	item	Approx 15% of landscape works total cost	\$165,000.00	\$99,000.00	\$66,000.00	
2 Demolition			٠,	0500	\$2,500.00	*0.500.00		
2.1 Removal o	f unwanted vegetation	1	item	2500	\$2,500.00	\$2,500.00		
3 Earthwork	rs.				\$24,000.00			
	by machine to an average depth of 300mm	0000	2	2		*40.000.00	*40.000.00	
as required	1	3000	m <sup>2</sup>	8	\$24,000.00	\$12,000.00	\$12,000.00	
4 Paving + F		700		050	\$427,000.00	\$405 000 00		
	th 3 metres wide	780	lin m	250	\$195,000.00	\$195,000.00		
	-2.5 metres wide vath 1-1.5 metres wide	660 150	lin m	170 90	\$112,200.00 \$13,500.00	\$112,200.00 \$13,500.00		
	paved area (shelter and basketball court)	830	m <sup>2</sup>	90	\$74,700.00	\$13,300.00	\$37,350.00	
	red area/path 2.5 metres wide with timber						ψυ, ,υυυ.υυ	
edge		790	m <sup>2</sup>	40	\$31,600.00	\$31,600.00		
5 Planting	((5)):				\$31,600.00			
5.1 Tree planti support sta	ng (45L) including mulch ring and minimum 3	90	no.	200	\$18,000.00	\$18,000.00		
	tion works along waterway	660	m <sup>2</sup>	10	\$6,600.00	\$6,600.00		
	clean and re-vegetate	1	item	7000	\$7,000.00	\$7,000.00		
	<u> </u>							
6 Features					\$365,000.00			
6.1 Grass mou	ınding	5	item	3000	\$15,000.00			\$15,000.0
	/decking along shores edge with steps to the	700	m <sup>2</sup>	350	\$245,000.00	\$122,500.00	\$122,500.00	
access the	shore. /decking along retail frontage	300	m <sup>2</sup>	350	\$105,000.00		\$105,000.00	
O.E Doaldwalk	ruecking along retail frontage	300	III	330	φ103,000.00		φ105,000.00	
7 Grassing					\$54,900.00			
	sh healthy grassed lawn areas strategically	6100	m <sup>2</sup>	9	\$54,900.00	\$27,450.00	\$27,450.00	
across the	site in designated picnic areas	0100	III	<u> </u>	ψ34,900.00	Ψ21,430.00	Ψ21,430.00	
0 Fit	C44				£447.000.00			
8 Furniture/	ing (table and bench seats)	14	item	4000	\$447,000.00 \$56,000.00	\$56,000.00		
8.2 Lounge ch		6	item	2000	\$12,000.00	φ30,000.00		\$12,000.0
8.3 Bench sea		3	item	1000	\$3,000.00	\$3.000.00		ψ12,000.0
8.4 Custom hu	ilt social seating around basketball court area	1		6000		40,000.00	¢c 000 00	
Custom bu	ilit social seating around basketball court area		item	6000	\$6,000.00		\$6,000.00	
8.5 Large picni		2	item	25000	\$50,000.00	\$25,000.00	\$25,000.00	
	ce pavilion shelter (east of site)	1	item	35000	\$35,000.00		\$35,000.00	
8.7 BBQ (2 pa	,	2	item	10000	\$20,000.00			\$20,000.0
	ection to services (electric or gas)	1	item	15000	\$15,000.00		\$050 000 00	\$15,000.0
8.9 Toilet block	Λ	1	item	250000	\$250,000.00		\$250,000.00	
9 Play Equip	oment				\$280,000.00			
9.1 Play area		500	m <sup>2</sup>	150	\$75,000.00	\$75,000.00		
9.2 Play area 5		500	m <sup>2</sup>	170	\$85,000.00	\$85,000.00		
9.3 Play area 8		500	m <sup>2</sup>	180	\$90,000.00	****	\$90,000.00	
9.4 Water play	elements	5	item	6000	\$30,000.00		\$30,000.00	
10 Sporting E	· · · · · · · · · · · · · · · · · · ·				\$20,000.00			
	rd element (ramp, grind rail etc.)	4	item	3000	\$12,000.00		\$12,000.00	
	ring and line marking	1	item	4000	\$4,000.00		\$4,000.00	
10.3 Grass man	kers for informal soccer field	1	item	4000	\$4,000.00			\$4,000.00
11 Access +	Car narkina				\$427,000,00			
	Oor parking 90° car parking along South Shore Road	1270	m <sup>2</sup>	100	\$127,000.00 \$127,000.00	\$127,000.00		
···· On-street s	cai paiking along South Shore Road	1210	III	100	ψ121,000.00	ψ121,000.00		
11 Maintenan	nce				\$39,000.00			
	or duration of establishment period, including				,,			
	ees and reinstatement areas, fertiliser,	26	weeks	1500	\$39,000.00	\$19,500.00	\$19,500.00	
watering, to	op-up mulch.				Full Construction (including optional Items)	Stage 1	Stage 2	Optional
		004DE 14/0-	NO TO	TAL (suched COOT)		64 075 000 00	<b>6044 000 00</b>	000 000 0
	LAND	SCAPE WOR	KKS 10	TAL (exclusive of GST)	\$1,983,000.00	\$1,075,200.00	\$841,800.00	\$66,000.0
				Contingency (10%)	\$2,181,300.00	\$1,182,720.00	\$925,980.00	\$72,600.0

#### STAGE 1 ITEMS \$1.1M-\$1.2M

- > High quality playground area and equipment for ages 1-8.
- > Shared path across the site from east to west.
- > Footpaths linking into surrounding uses and amenity.
- > Large picnic shelter.
- > Car parking along South Shore Road.
- > In fill tree planting across the site.
- > Re-vegetation works along the waterway and shore line
- > Formal decking along shores edge (Part)
- > Picnic settings (table & bench) located across the site.
- > Bench seating located strategically across the site
- > Removal of unwanted vegetation.



Figure 17A: F-03 Landscape Masterplan Stage 1 Plan

#### STAGE 2 ITEMS \$840K-\$930K

- > Expansion of playground area and equipment for ages 8 11.
- > Expansion of playground to include water play elements.
- > Youth social space integrating.
  - > Half basketball court.
  - > Custom seating area.
  - > Skate elements.
- Second large shelter.
- > Toilet facilities.
- > Pavilion suitable for event performance use.
- Boardwalk decking along retail frontage to support alfresco dining and activation.
- > Extension of formal decking along shores edge.

# Commercial/ Detail Community Activity Centre Conservation Residential Residential Residential Conservation Reserve

Figure 17B: F-03 Landscape Masterplan Stage 2 Plan

#### OPTIONAL ITEMS \$70K-\$80K

- > Double BBQ including connecting required services (gas or electricity).
- > Grass mounds that create social seating spaces.
- > Lounge chairs in strategic location overlooking the shore.
- > Informal marked soccer field



Figure 17C: F-03 Landscape Masterplan Optional Items Plan

#### F-03 TURRAS REACH FORESHORE PARK

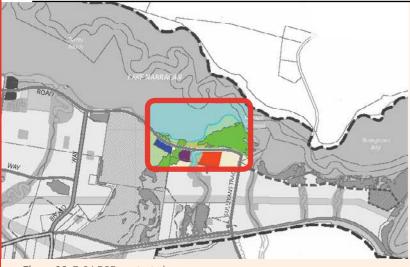


Figure 18: F-04 PSP context plan

#### **PSP CONTEXT/ROLE**

The PSP designates the site as a 'Parkland - Special Use (Foreshore)' with an open space area of 4.05 hectares which includes the foreshore, existing jetty and beach.

The future urban structure plan details/shows:

- > A state primary school and community centre opposite South Shore Road.
- Fernlea Village Centre, located opposite South Shore Road, contains fine grain retail, potential supermarket and medium density residential.
- Potential holiday park re-located on the opposite side of South Shore Road and east of the waterway.
- South Shores Road (Connector Road) is planned as the southern boundary to the site.
- A shared path running east west within the site.
- South Shore Road is relocated to the north and is detailed to be slow speed with designated pedestrian priority crossing between beach area and adjacent shops

#### **DESIGN RESPONSE**

- To enhance access and the experience of the existing landscape character.
- To formalise the role of the three distinct areas of the site whilst ensuring connectivity between them.
- To promote and encourage walking and cycling through and circulating around the site.
- To provide social spaces and shelter at convenient location near parking and that does not compromise
- To expand the main beach foreshore area through strategic location of car parking.
- To increase direct beach access through alterative path design and
- To prevent foreshore erosion through appropriate edge
- To locate the shared path within existing clearings, tracks and roads avoiding the removal of trees.
- To provide further picnic facilities throughout the site to cater for increased use.
- To retain and protect existing trees and vegetation where
- To use existing tree canopies for shade where possible.
- To create shade and wind protection through tree planting particularly in the east of the site.



Figure 19: F-04 Design Response Plan





> Unique seating places

> Jetty





Figure 20: F-04 Site Photos

#### **EXISTING SITE CHARACTER**

- > Elongated site falling to the north.
- Heavily vegetated with three distinct clearings.
- > Clearings are mostly sheltered from wind with the exception of the north east peninsula clearing.
- West of the site is used by Naval Cadets for lake access.
- The main beach clearing is currently used for picnic and
- Well formed beach area with path access and adjacent grassed areas.
- > Iconic curved jetty
- Short boardwalk along shore connecting main beach to
- > Two farm channels cut through the site.

#### LANDSCAPE VISION

An expanded district level open space with a focus on enhancing/emphasising the existing natural environment and built landscape character. Interconnected paths and boardwalks will allow pedestrians and cyclists to explore the diverse types of spaces along this section of foreshore. Access to the park will be convenient but not without regard to existing vegetation and the enhancement of views and vistas to the lake from the road and Fernlea Village.



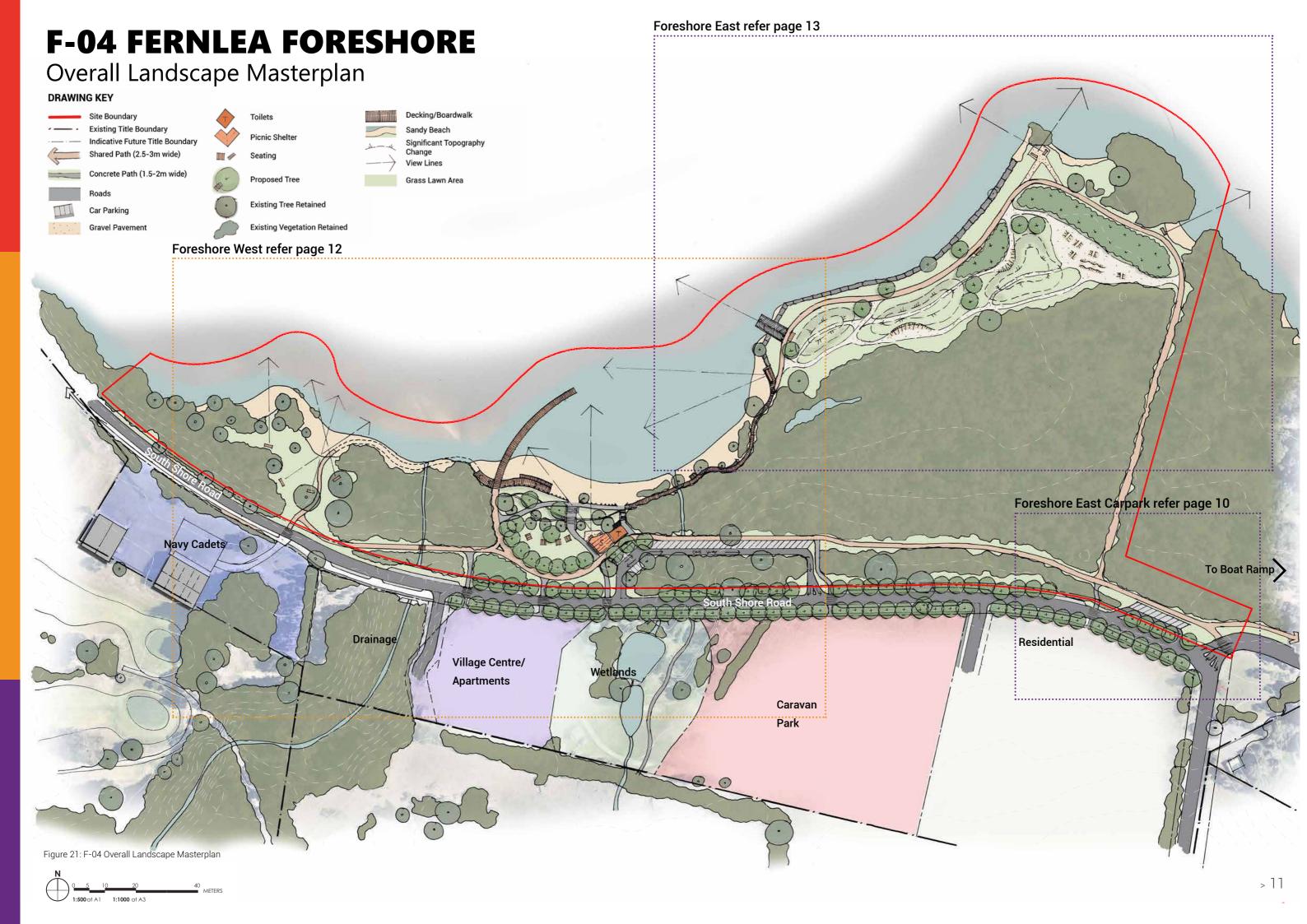
#### Key Uses/Infrastructure:

- > Shelter
- > BBQ
- > Toilet
- > Picnic seating
- > Lawn picnic areas
- > Walking circuit
- > Water fountains
- > Bike Parking
- > Convenient car parking



#### **Optional Uses/Infrastructure:**

- > Mountain bike circuit
- > Mountain bike trick elements
- > Secondary eastern carpark
- > Expansion of boardwalk
- > Terraced foreshore



### F-04 FERNLEA **FORESHORE EAST**

#### Landscape Masterplan

- Extend boardwalk sideways to create new access points to the shoreline.
- Remove existing carpark to significantly expand the foreshore picnic area.
- Use existing road reserve for one way car park through road avoiding the removal of additional vegetation and maximising foreshore open
- Use existing road alignment for **shared path**.
- Formalise edges to surrounding trees and position new seating with unique framed views of the lake.
- Terraced grassed picnic areas leading down to the shoreline.
- Central stairs to provide direct access to the water from the shelter.
- **Defined crossings** of South Shore Road. This will likely be through the use of road threshold treatments or medians. Zebra crossings will not be appropriate in this location.
- Shelter with BBQ, seating and views across the
- **Toilet** located away from the active area but convenient to the carpark and shelter.
- Informal walk along shoreline. Consider future extension of boardwalk.



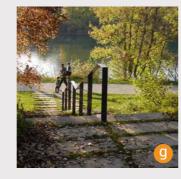




Figure 23: F-04 Foreshore East Landscape Masterplan



# **F-04 FERNLEA**FORESHORE EAST

#### Landscape Masterplan

- a Retain Boat Ramp as landscape feature. Strategically place bollards or furniture to prevent vehicle access.
- Progressively upgrade retaining wall with **gabion** wall or similar as maintenance is required
- Cocate **seating** with clear views of the Lake and at even intervals along the shared path.
- Extended **boardwalk platform** with seating and views back over the jetty foreshore area.
- Consolidate existing fill piles and source clean fill from nearby development into rolling low **level mounds**.
- Undertake **substantial tree planting** to create wind breaks
- Informal mountain bike circuits and simple trick elements that weave throughout the open space.
- h Use existing access track as **shared path trail**.
- Bike user carpark with convenient access to the shared path. Alleviating the use of the board walk to gain access to the northern area.
- Connection through to boat ramp area.



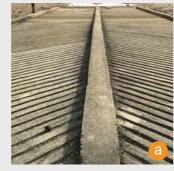






Figure 24: F-04 Key Landscape Element Examples



#### F-04 FERNLEA FORESHORE

#### Opinion of Probable Cost

				Cost (\$)				
m	Description	Indicative Quantity	Unit	Indicative Rate	Full Construction (including optional Items)	Stage 1	Stage 2	Optiona
1 Preliminary					\$100,000.00			
- Site ameni	nagement, anagement, encing), ction zones, management,	1	item	15% of landscape works total cost	\$100,000.00	\$70,000.00	\$30,000.00	
2 Demolition	Works unwanted vegetation	1	itam	3500	<b>\$7,500.00</b> \$3,500.00	\$3,500.00		
2.2	unwanted vegetation	ı	item		\$3,300.00	\$3,300.00		
Removal of	existing car park pavement	1	item	Removed through construction of South Shore Road Upgrade				
2.3 Removal of		1	item	1000	\$1,000.00	\$1,000.00		
Removal of of suitable s	rock mounds in east of site (re-distribution soil to form mounding's for bike circuit)	1	item	3000	\$3,000.00		\$3,000.00	
3 Earthworks	3				\$40,000.00			
3.1 Cut and fill b	by machine to an average depth of 300mm	5000	m <sup>2</sup>	8	\$40,000.00	\$24,000.00	\$16,000.00	
as required								
4 Paving + Pa					\$252,600.00			
	h 3 metres wide	650	lin m	200	\$130,000.00	\$130,000.00		
•	2.5 metres wide vel paved area with concrete or steel edge	220	lin m	150	\$33,000.00	\$33,000.00		
(under Shel		430	m <sup>2</sup>	40	\$17,200.00	\$12,040.00	\$5,160.00	
	2.5m wide with timber edge.	350	lin m	50	\$17,500.00		\$17,500.00	
	1-2m wide (Mountain bike circuit) avel paved area with timber edge (Mountain	1100	lin m	15	\$16,500.00			\$16,500.
bike skills a	rea)	1200	m <sup>2</sup>	12	\$14,400.00			\$14,400.
4.7 Concrete sta walls	aircase from shelter to shore with retaining	2	item	12000	\$24,000.00	\$24,000.00		
5 Planting					\$20,350.00			
minimum 3	g (45L) including mulch ring, fertiliser and support stakes ig (20mm pot) including mulch ring in group	23	no.	200	\$4,600.00	\$4,600.00		
planting are		50	no.	15	\$750.00	\$750.00		
5.3 Shore line c	clean and re-vegetation	1	item	15000	\$15,000.00	\$15,000.00		
6 Features					\$222,500.00			
	wn area with curved artistic retaining walls	1	item	20000	\$20,000.00	\$20,000.00		
	eresting picnic an seating areas.  decking along shores edge with ramps to				-			
	the shore.	370	m <sup>2</sup>	250	\$92,500.00	\$64,750.00	\$27,750.00	
6.3 Gabion wall	along eastern shore line	220	lin m	500	\$110,000.00		\$110,000.00	
7 Grassing					\$23,760.00			
7.1 Re-establish	h healthy grassed lawn areas strategically	2640	m <sup>2</sup>	9	\$23,760.00	\$16,632.00	\$7,128.00	
across the s	site in designated picnic areas	2040	111	-	ψ20,100.00	\$10,002.00	ψ1,120.00	
8 Furniture/S	Structures				\$335,000.00			
8.1 Picnic settin	ng (table and bench seats)	7	item	4000	\$28,000.00	\$28,000.00		
8.2 Bench seat		9	item	1000	\$9,000.00	\$9,000.00		
8.3 Large picnic		1	item	25000 8000	\$25,000.00	\$25,000.00		\$8,000.0
8.4 BBQ (2 pan 8.5 BBQ connection	ction to services (electric or gas)	1	item	15000	\$8,000.00 \$15,000.00			\$15,000.
8.6 Toilet block	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	item	250000	\$250,000.00		\$250,000.00	
40.0 :: =	<del>-</del>				A40.000.00			
10 Sporting Ed 0.1 Mountain bil	quipment ke skills element (berm, balance ramp,				\$16,000.00			
	ructed from timber or gravel mounding	8	item	2000	\$16,000.00			\$16,000.
					\$210,000.00			
11 Access + C	k utiliging existing Couth Chara Dand	4550	m <sup>2</sup>	100	\$155,000.00	\$155,000.00		
	k utilising existing South Shore Road	1550						
1.1 Main carpar reserve	rk utilising existing South Shore Road carpark east of site	550	m <sup>2</sup>	100	\$55,000.00		\$55,000.00	
1.1 Main carpar reserve 1.2 Secondary of 13 Maintenand	carpark east of site			100	\$55,000.00 \$39,000.00		\$55,000.00	
Main carpar reserve     Secondary of      Maintenance     Maintain for existing tree	carpark east of site  ce duration of establishment period, including as and reinstatement areas, fertiliser,			100		\$19,500.00	\$55,000.00 \$19,500.00	
<ul> <li>1.1 Main carpar reserve</li> <li>1.2 Secondary of the secondary o</li></ul>	carpark east of site  ce duration of establishment period, including as and reinstatement areas, fertiliser,	550	m <sup>2</sup>		\$39,000.00	\$19,500.00 Stage 1		Optiona

#### STAGE 1 ITEMS \$650K-\$725K

- > High quality playground area and equipment for ages 1-8.
- > Shared path across the site from east to west using part of the existing South Shore Road in the interim.
- > Footpaths linking into surrounding uses and amenity.
- > Expanded foreshore area.
- > Large picnic shelter.
- > Terraced foreshore area with increased access to beach.
- > New off street car park.
- > In fill tree planting across the site.
- > Re-vegetation works along the waterways and shore line.
- > Expanded decking area.
- > Picnic settings (table & bench) located across the site.
- > Bench seating located strategically across the site

Figure 26A: F-04 Landscape Masterplan Stage 1 Plan

#### STAGE 2 ITEMS \$540K-\$600K

- > Viewing platform in east of site.
- > Gravel path walking/bike track (1km loop) into eastern area use part of the existing access tracks.
- > Toilet block.
- > Second car park in east of site.
- > Gabion wall along shore line.
- > Removal/re-distribution of rock mound in eastern area of site.



Figure 26B: F-04 Landscape Masterplan Stage 2 Plan

#### **OPTIONAL ITEMS \$68K-\$77K**

- > Mountain bike skills park including jumps, berms, balance rails etc.
- > Double BBQ including connecting required services (gas or electricity).



Figure 26: F-04 Landscape Masterplan Optional Items Plan



