

LEGEND

- Existing Xanthorrhoea (Grass Trees) The area of significant Xanthorrhoea is shown within a dashed line. Maintenance of the reserve is currently under Council's Vegetation Management Plan.
- Existing native and indigenous trees and shrubs. Maintenance of the reserve is currently under Council's Vegetation Management Plan.
- Existing area of predominantly Kikuyu grass and Galenia
- Existing fenceline to be retained.
- Future roundabout at the intersection of John Pawson Junior Lane and Surf Coast Highway subject to VicRoads planning.
- Minimum 2 metre wide gravel or wood thatch shared path for through routes and perimeter path.
- Minimum 2.5 metre wide gravel shared accessible path. Stabilise path with Soilbond. Construct path to Australian Design Standards.
- Existing track to be phased out over time / retained as a maintenance access track.
- Establish an environmental buffer treatment between the conservation zones. Plant with ground cover and understorey planting. Refer to sections 2, 3 and 4 MP02.
- Area of proposed indigenous revegetation
- Area of proposed revegetation within existing vegetation. Indicative layout only.
- Existing Road Reserve consisting of VicRoads owned land and government owned land. It is an area of significant woody and perennial weed species and currently used as a stack site on the government owned portion of the road reserve.
- Proposed shelter close to the new carpark on Messmate Road for gatherings of people for education and information purposes.
- Existing bus stop
- Proposed accessible tear-drop shaped node with sealing with arm and back rests
- Proposed gravel surface car park

Location of the future roundabout planned by VicRoads.

Existing VicRoads Road Reserve. Currently used as a stack site. Area of significant weed infestation.



Link between West Coast Business Park and Grasree Park Nature Reserve. There is a 20 metre wide open space corridor between the two areas which should become a buffer zone to protect the reserve's sensitive environment. There is the opportunity for a car park to provide access to the perimeter trail and a trail between Conservation Zones A and B.

Manually and sensitively remove all non-indigenous species and explore the feasibility of commencing staged burns in the southern area of the reserve to create greater biodiversity.

Establish a buffer zone between Beacon Boulevard and the southern section of Conservation Zone B. Any overland water flows to remain/captured within Grasree Park Nature Reserve and to be conveyed to existing drainage to the south.

KEY DIRECTIONS

- 1** A loop perimeter gravel or earthen path with two short gravel or earthen paths to allow pedestrian entry into only the edges of the high conservation zone areas.
The short paths to be wheelchair accessible and tear-drop in layout (court bowl layout) To each court bowl / teardrop space provide a seat and / or picnic table.
All paths need to be in a hierarchy which have a minimum impact on the site's conservation values.
Existing paths through the conservation zones for maintenance purposes and retained/utilised at management discretion .
- 2** Provide a shelter in the Recreation / Conservation zone, (to be known as Conservation Zone D) close to the new carpark on Messmate Road for gatherings of people for education and information purposes. The structure needs to be consistent with the conservation values of the reserve and adhere to the Conservation Covenant. Provide space for school groups and families to learn about the environment.
- 3** Construct signage of rock bases and relevant themes with interpretive information on aboriginal heritage, history, environmental, map and path system. Signage is to be accessible for all abilities, particularly on the accessible trail which is to incorporate braille signage.
- 4** Supply and install signage to advise dog-on-lead only to the Conservation Zone D and dogs excluded to the A, B and C Conservation Zones. To the conservation zones, make it clear to users via signage and gate structures that dogs are not allowed in the A, B and C conservation zones.
- 5** Construct a gravel car park and new reserve entrance at Messmate Road midway along its frontage to the reserve. Proposed additional area for expansion to the south west shown in a dashed line.
- 6** Construct a gravel car park with 6 or 7 spaces at Beacon Boulevard based on the existing road layout and road reserve. The carpark would be offset to Beacon Boulevard using the existing concrete crossover with a single lane throat. Carparks need to be open for surveillance without significant screening vegetation.
- 7** De-commission the existing gravel carpark on Surf Coast Highway. Revert to indigenous vegetation to strengthen the north-south habitat corridor. This will also be part of the heathland display planting.
- 8** Fencing / Buffer zones to various conservation zones. Fencing to protect Conservation Zones must be wildlife friendly in respecting the needs of small animals to move between zones. Fences will need to be maintained for conservation zones.
- 9** The primary objective in Conservation Zone D is to provide a transition area for people to appreciate nature within the parameters of limited passive recreation activities, consistent with the reserve's values and principles. Maintain some areas of grass within the Conservation Zone D for informal visitor family-oriented leisure activities i.e. Kite flying, informal ballgames and children playing. Revegetate areas with indigenous species with a hierarchy of structure of ground covers to the front ranging to taller shrubs and trees to the rear.
- 10** Areas of Indigenous revegetation to strengthen links and habitat zones
- 11** Reintroduce fire management regimes in Conservation Zones A and B to maintain a healthy heathland ecosystem and create links to indigenous vegetation within the buffer zones. Continue the maintenance of vegetation as per Council's Vegetation Management Plan. Introduce an 8-15 year fire regime to the reserve and tracks to form burn boundaries.
- 12** Improve and strengthen the perimeter buffer of all the conservation zones. The buffer may be partly wood mulch, revegetation or a pathway. Refer to cross section 4/MP02.
- 13** Southern boundary buffer planting of indigenous species, within the Council Open Space adjacent to West Coast Business Park.
The Southern Boundary Buffer would require a fence to protect the conservation zone, a path (to connect pedestrians to the only traffic lights across the Surf Coast Highway (at this point in time) and appropriate indigenous species buffer planting treatment between the reserve and West Coast Business Park to prevent the encroachment of exotic grasses and broad leaved weeds. Provide a fire / maintenance vehicle only track.
- 14** Establish a heathland of iconic species along the Surf Coast Highway with a hierarchy or structure of ground covers to the front ranging to taller shrubs and trees to the rear. It is important motorists are presented with a broad expanse and depth of planting regimes parallel to the highway.
Any overland water flows to remain/captured within Grasree Nature Reserve and to be conveyed to existing drainage to the south.
- 15** The existing shallow depression / blackberry area. Revegetation of the wetland / blackberry area. Refer to the species list as part of the study to then (MP03) undertake planting and follow up weed work.
- 16** Provide pedestrian access into the reserve at the northwest corner of Beacon Boulevard and Surf Coast Highway.
- 17** The use of sustainable and locally sourced materials and products for pathways, signage, bollards and park furniture.

Refer to L1-Key Analysis Plan and MP03 Key Directions Plan for the agreed Values and Principles applying to the reserve.

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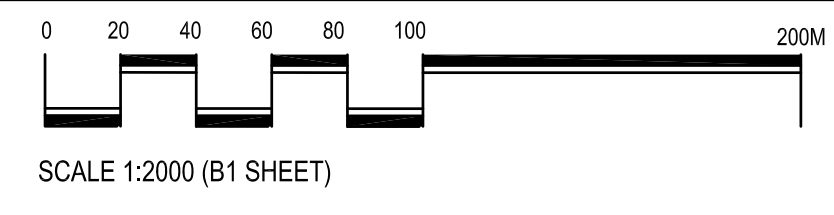
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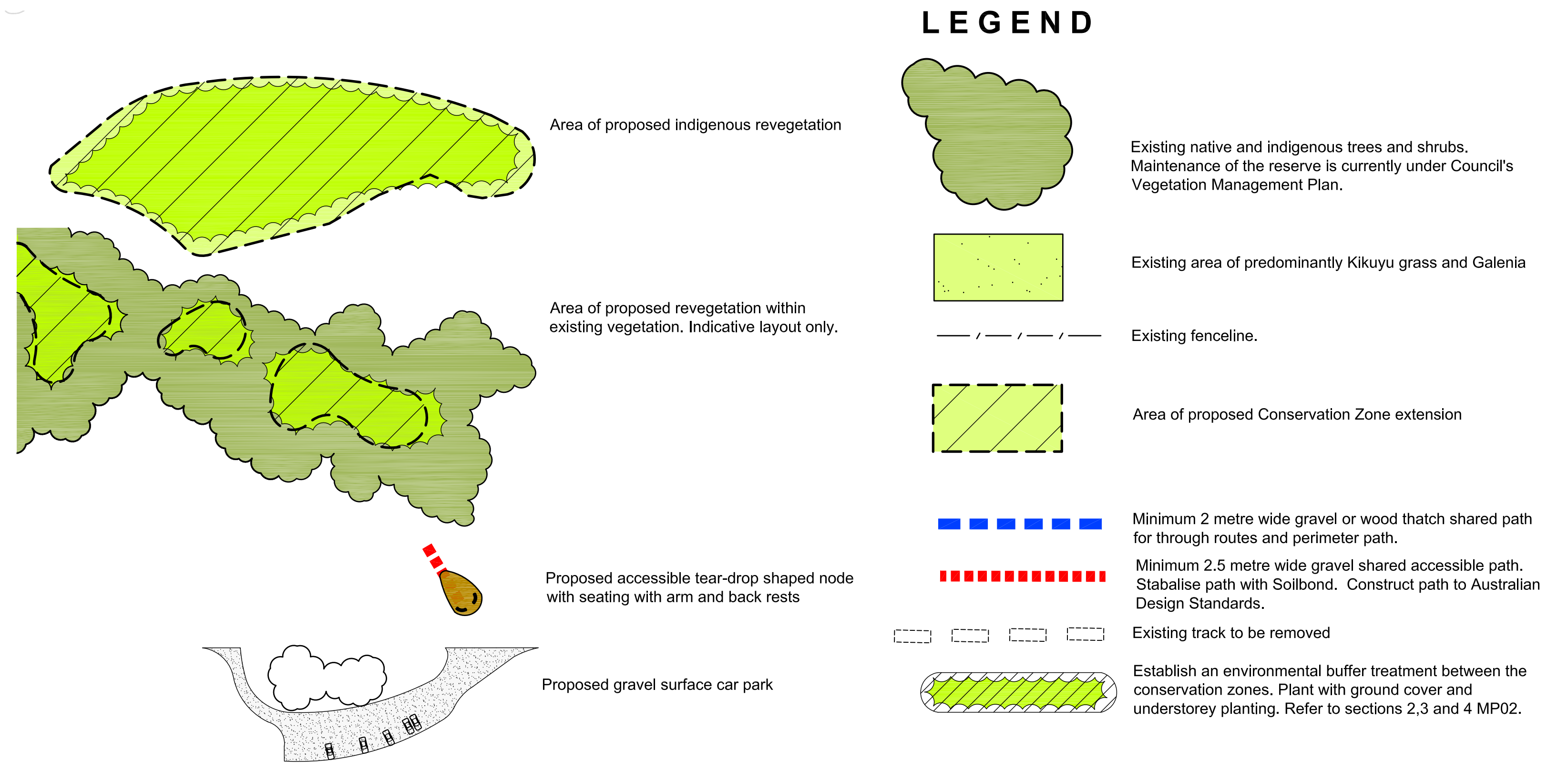
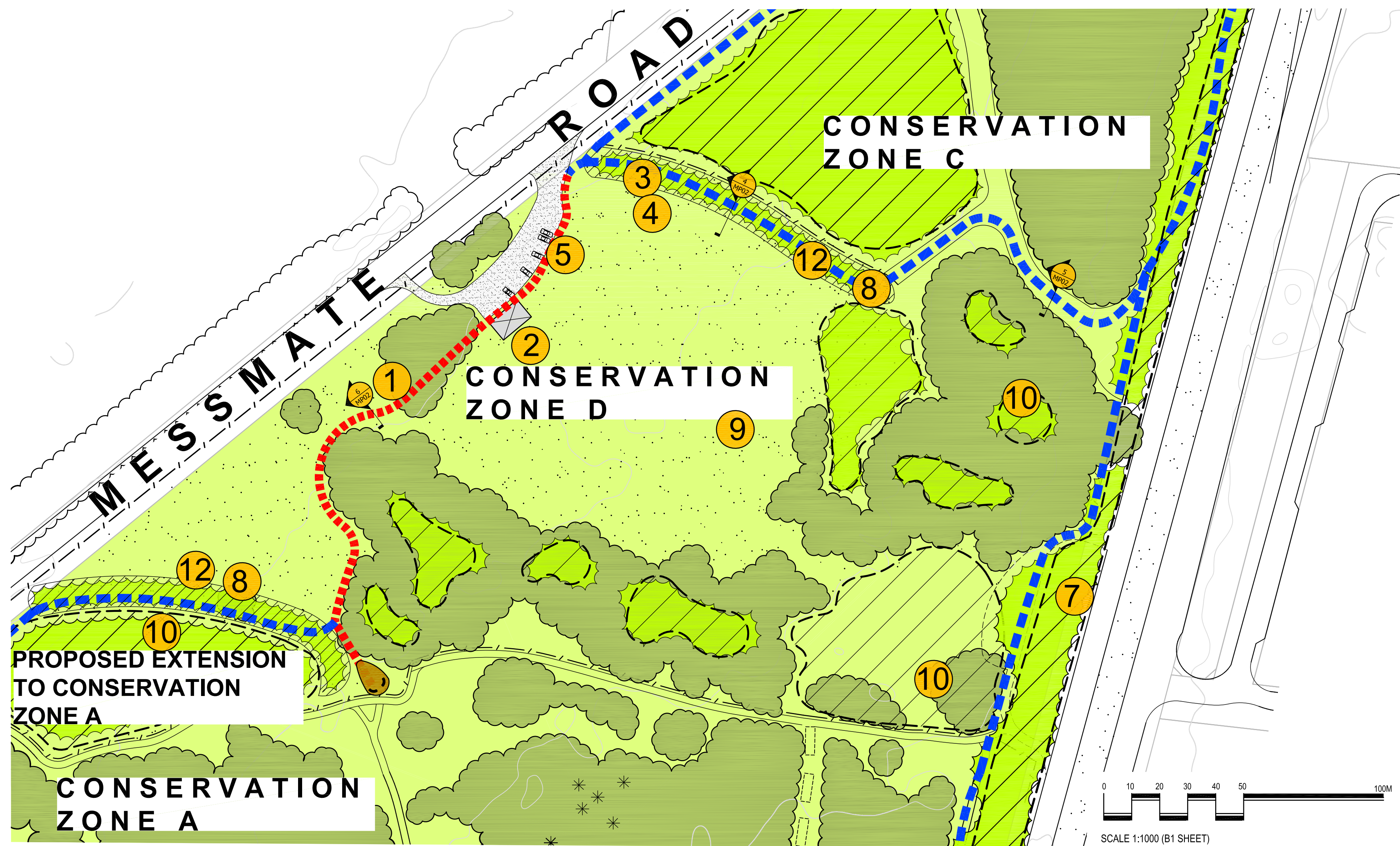
Grasree Park Masterplan
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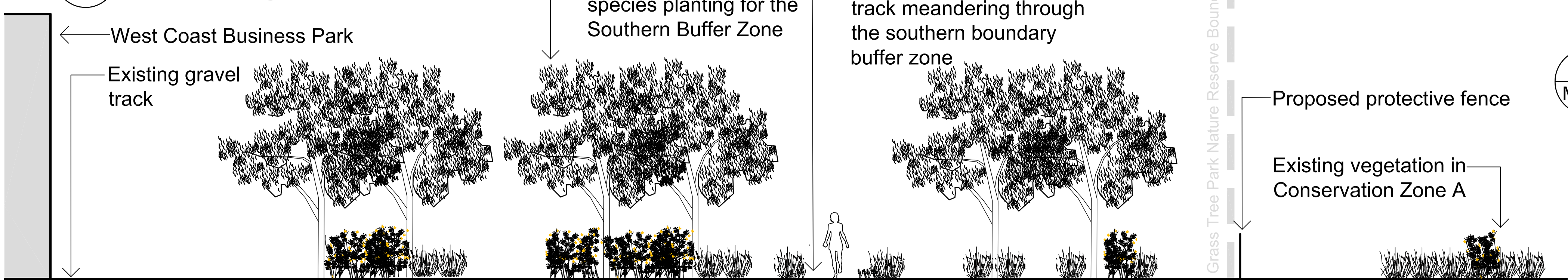
Amendments:
17.06.2016 REV A - Changes to map labels and notations.
04.08.2016 REV B - Revisions as per community consultation and Council feedback
15.08.2016 - REV C Revisions as per Council feedback
Print Issue:
06.06.2016 - Emailed to D. Groves
17.06.2016 - REV A Emailed to D. Groves
04.08.2016 - REV B Emailed to D. Groves
15.08.2016 - REV C Emailed to D. Groves
Title: MP01 - Key Directions Plan, Grasree Park Nature Reserve, Torquay, Masterplan
Client: Surf Coast Shire Council

Drawn: CG
Date: 01/04/2016
Project No.: 16-018
Cad File:
Drawing No.: Sheet 1 of 3

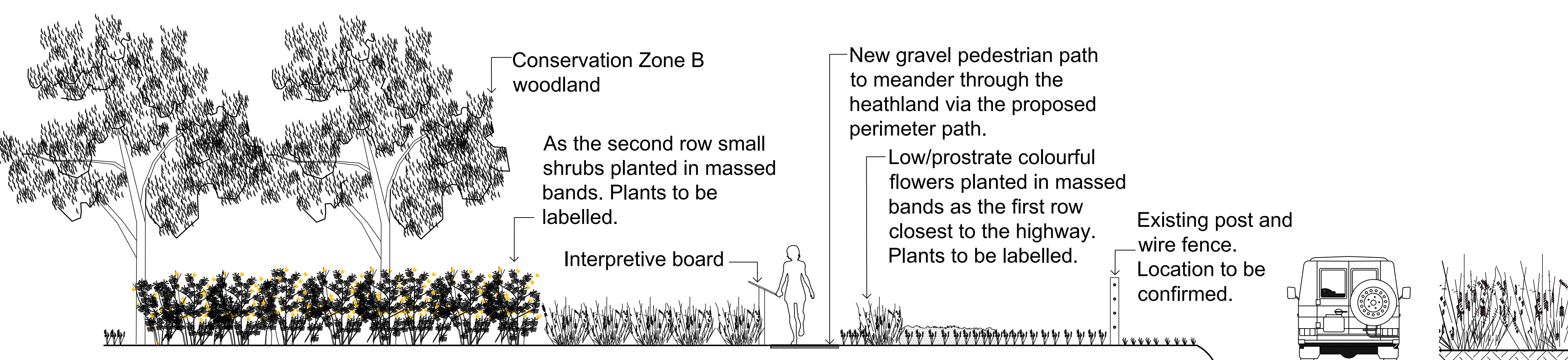




1 Conservation Zone D
MP02
SCALE 1: 1000 @ B1 sheet



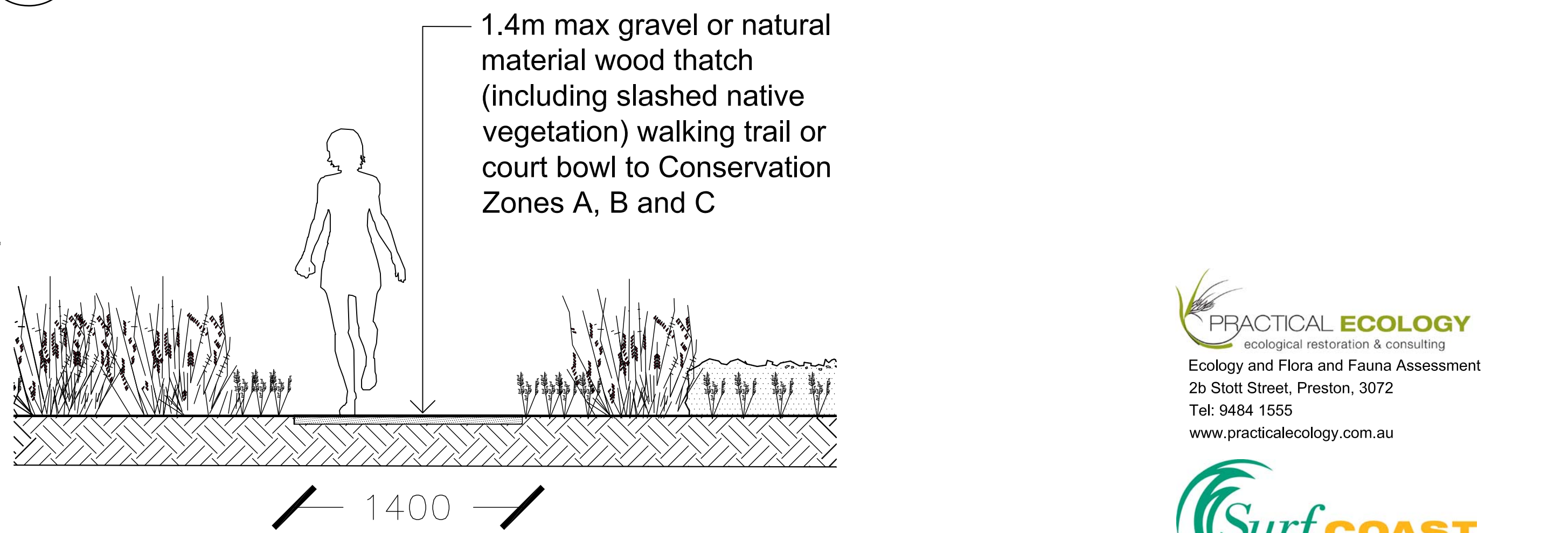
2 Southern Boundary Buffer
MP02
SCALE 1: 75 @ B1 sheet



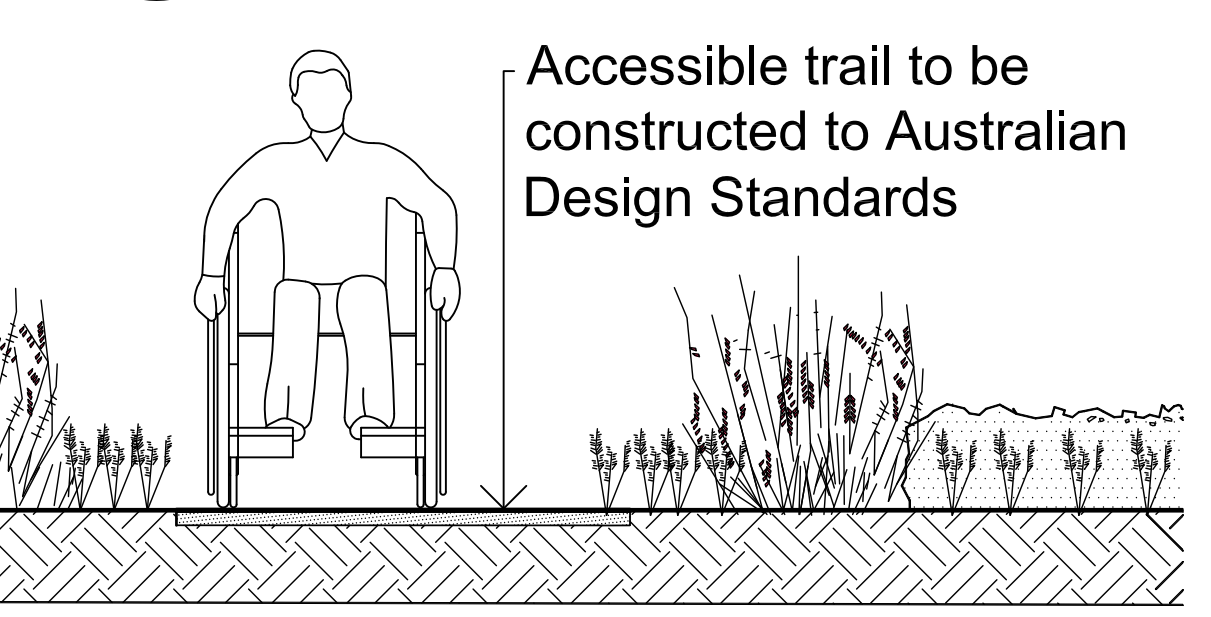
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3 Proposed 'Heathland showpiece' section
MP02
SCALE 1: 50 @ B1 sheet

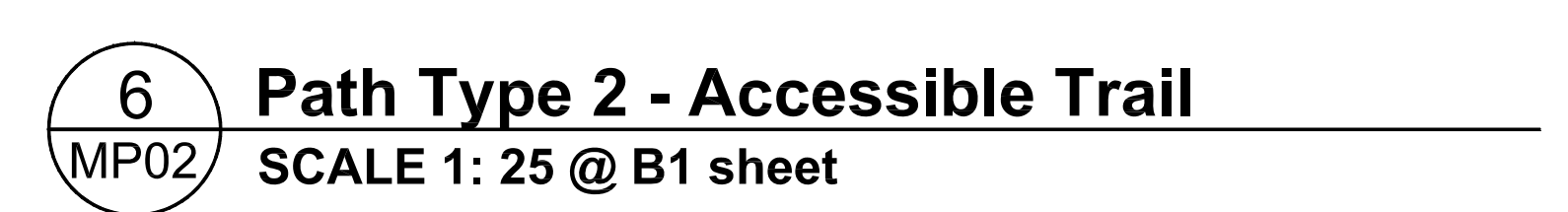
4 Proposed buffer treatment between conservation zones
MP02
SCALE 1: 25 @ B1 sheet



5 Path Type 1 - Internal Walking Trail
MP02
SCALE 1: 25 @ B1 sheet



6 Path Type 2 - Accessible Trail
MP02
SCALE 1: 25 @ B1 sheet



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17.06.2016 - REV A Emailed to D. Groves
04.08.2016 - REV B Emailed to D. Groves
15.08.2016 - REV C Emailed to D. Groves

Title: MP02 - Key Directions Plan, Grasstree Park Nature Reserve, Torquay, Masterplan
Client: Surf Coast Shire Council
Drawn: CG
Date: 01/04/2016
Project No.: 16-018
Cad File:
Drawing No.: Sheet 2 of 3

Grasstree Park Masterplan – values and principles

The Grasstree Park Masterplan is supported by values and principles.

Together, they support the vision to *conserve, restore and respect the values of Grasstree Park.*

VALUES	PRINCIPLES		
	CONSERVE	RESTORE	RESPECT
Natural environment	<ul style="list-style-type: none"> Conserve flora and fauna species and communities. Maintain landscape views Aim for healthy and resilient ecosystems Use best practice management. 	<ul style="list-style-type: none"> Restoration activities are underpinned by science and adaptive management. Fire plays an important part of restoration of the natural environment. 	<ul style="list-style-type: none"> Natural history forms part of the visitor experience. Environmental education is forms part of the visitor experience. Provide and maintain “cues to care”. Protection of conservation values takes precedence.
Community connections	<ul style="list-style-type: none"> Maintain the reserve as a place of quiet, relaxation and rejuvenation. Maintain a non-urban bushland experience. 	<ul style="list-style-type: none"> Provide a unique space for family and community to gather amongst nature. Provide a nature based experience for a wide spectrum of ages and abilities. Foster a renewed sense of stewardship between the community and the reserve. Provide physical connections to the neighbouring precinct. 	<ul style="list-style-type: none"> Locate pathways, viewing points and linkages to provide interaction with nature whilst minimising impact on conservation values. Recognise the value of the reserve as a place of intangible or spiritual connections.

'Heathland showpiece' and southern boundary buffer

– *prostrate, low, small showy shrubs*

Establish a heathland of iconic species along the Surf Coast Highway with a hierarchy or structure of ground covers to the front ranging to taller shrubs and trees to the rear. It is important motorists are presented with a broad expanse and depth of planting regimes parallel to the highway. Any overland water flows to remain/captured within Grasstree Nature Reserve and to be conveyed to existing drainage to the south.

Botanical Name	Common Name	EVC 478 Woodland/Damp Mosaic (Western Report 2007)	Heathy Heathland Ecological
<i>Chrysocephalum apiculatum</i> s.s.	Common Everlasting		
<i>Allocasuarina misera</i>	Slender Sheoak	X	
<i>Dillwynia glaberrima</i>	Smooth Parrot-pea	X	
<i>Dillwynia sericea</i>	Showy Parrot-pea	X	
<i>Acacia suaveolens</i>	Sweet Wattle	X	
<i>Banksia marginata</i>	Silver Banksia	X	



Chrysocephalum apiculatum s.s. *Allocasuarina misera* *Dillwynia glaberrima*
Dillwynia sericea *Acacia suaveolens* *Banksia marginata*

Existing Shallow depression area – tolerant to inundation

Revegetation of the wetland / blackberry area. Prepare a revegetation plan, undertake planting and follow up weed work.

Botanical Name	Common Name	EVC 478 Woodland/Damp Mosaic (Western Report 2007)	Heathy Heathland Ecological
<i>Gahnia radula</i>	Thatch Saw-sedge	X	
<i>Patersonia fragilis</i>	Short Purple-flag	X	
<i>Ozothamnus ferrugineus</i>	Tree Everlasting		
<i>Acacia verticillata</i>	Prickly Moses	X	
<i>Leptospermum continentale</i>	Prickly Tea-tree	X	



Gahnia radula *Patersonia fragilis* *Ozothamnus ferrugineus*
Acacia verticillata *Leptospermum continentale* *Banksia marginata*

Conservation Zone D / 'Nightsoil Species'

– *tolerance to high fertility*

Revegetate areas with indigenous species with a hierarchy of structure of ground covers to the front ranging to taller shrubs and trees to the rear.

Botanical Name	Common Name	EVC 478 Woodland/Damp Mosaic (Western Report 2007)	Heathy Heathland Ecological
<i>Gahnia radula</i>	Thatch Saw-sedge	X	
<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass		
<i>Tetragonia implexicoma</i>	Bower Spinach	X	
<i>Rhagodia candolleana</i>	Seaberry Saltbush		
<i>Dichondra repens</i>	Kidney-weed	X	
<i>Leptospermum continentale</i>	Prickly Tea-tree	X	



Gahnia radula *Microlaena stipoides* var. *stipoides* *Tetragonia implexicoma*
Rhagodia candolleana *Dichondra repens* *Leptospermum continentale*

MP03 - KEY DIRECTIONS PLAN GRASSTREE PARK NATURE RESERVE, TORQUAY MASTERPLAN SURF COAST SHIRE COUNCIL

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 15.08.2016 - REV C Emailed to D. Groves

Title: MP03 - Key Directions Plan, Grasstree Park Nature Reserve, Torquay, Masterplan

Client: Surf Coast Shire Council

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Drawn: CG
Date: 01/04/2016
Project No.: 16-018
Cad File:
Drawing No.: Sheet 3 of 3

