



Infrastructure Directorate

# APPENDICES

Item 12.4.1 – 12.4.3

## ORDINARY COUNCIL MEETING

To Be Held

Wednesday, 19<sup>th</sup> November 2025  
Commencing at 5.00pm

At

Shire of Dardanup  
ADMINISTRATION CENTRE EATON  
1 Council Drive - EATON

This document is available in alternative formats such as:

- ~ Large Print
- ~ Electronic Format [disk or emailed]  
Upon request.

## RISK ASSESSMENT TOOL

**OVERALL RISK EVENT:** Determine Tender Exempt QUO-F0418808 Burekup Changerooms

**RISK THEME PROFILE:**

4 - Document Management Processes

15 - Purchasing and Supply

**RISK ASSESSMENT CONTEXT:** Strategic

CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
HEALTH	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required	Not required.	Not required.	Not required.
FINANCIAL IMPACT	Overall project cost exceeds budget.	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Not required	Not required.	Not required.	Not required.
SERVICE INTERRUPTION	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
LEGAL AND COMPLIANCE	Failure to adhere to the Act and Regulations in terms of the correct process to run a public Tender	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Not required.	Not required.	Not required.	Not required.
REPUTATIONAL	Council could be seen in a negative light.	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Not required.	Not required.	Not required.	Not required.
ENVIRONMENT	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
PROPERTY	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.



# EATON FORESHORE PRECINCT

Concept Plan - 2025



**PROPOSED IMPROVEMENTS:**

- THIS CONCEPT PLAN IS BASED ON THE EATON PLACE PLAN 2023.
- 1 - ADDITIONAL PARKING BAYS
  - 2 - NEW MULTIPURPOSE COMMUNITY FACILITY TO INCLUDE ROWING CLUB
  - 3 - PASSIVE TRAFFIC CALMING MEASURES TO PRATT RD
  - 4 - UPGRADED TENNIS / PICKLEBALL / PADEL COURTS
  - 5 - UPGRADED MULTI-USE FULL COURTS
  - 6 - SPECTATOR VIEWING AREA (LAWN)
  - 7 - PARKING AND LIGHTING UPGRADES
  - 8 - ALTERATIONS TO EXISTING EATON HALL
  - 9 - NEW / UPGRADED PEDESTRIAN CROSSING
  - 10 - OVERFLOW PARKING
  - 11 - LIGHTING TO UPGRADED SPORTS COURTS
  - 12 - EXTEND IRRIGATION TO INCLUDE BBQ AREA
  - 13 - DRAINAGE IMPROVEMENTS
  - 14 - DRAINAGE UPGRADES TO OVAL
  - 15 - ADDITIONAL SEATING UNDER TREES
  - 16 - SERVICES, HARDSTAND AND SIGNAGE (FOOD TRUCKS)
  - 17 - LONG VEHICLE BAY
  - 18 - FESTIVAL EVENTS
  - 19 - POWER AND WATER SERVICE CONNECTIONS
  - 20 - UPGRADED LIGHTING TO FOOTBALL / CRICKET OVALS
  - 21 - WIDEN ENTRANCE TO EXISTING CARPARK
  - 22 - KALGULUP REGIONAL PARK SIGNAGE
  - 23 - IRRIGATION UPGRADES / IMPROVED GRASS ON OVAL
  - 24 - UPGRADE EXISTING SHELTERS AND BBQ'S
  - 25 - NEW CARPARK (CITY OF BUNBURY)
  - 26 - TRAFFIC SIGNAGE
  - 27 - UPGRADED CRICKET PRACTICE NETS AND LIGHTING
  - 28 - NEW ROUNDABOUT (CITY OF BUNBURY)
  - 29 - FISHING PLATFORM UPGRADES
  - 30 - APRON SLAB TO FRONT OF CRICKET SHED
  - 31 - UPGRADE EXISTING TOILETS
  - 32 - CCTV AND SMART TECHNOLOGY

**NOTE:**  
ALL PROJECTS IDENTIFIED ABOVE ARE SUBJECT TO EXTERNAL FUNDING FROM STATE AND FEDERAL GOVERNMENT. SHOULD FUNDING NOT BE RECEIVED, THE SHIRE WILL BE UNABLE TO IMPLEMENT THESE PROJECTS.

**FEATURES LEGEND:**

- CADASTRAL BOUNDARY
- EXISTING SHARED PATH NETWORK
- EXPANDED SHARED PATH NETWORK
- WAYFINDING
- SEATING
- PARKING
- FOOD TRUCK
- KAYAKING
- SWIMMING
- FISHING
- NEW TREE
- NEW LIGHTING

**Eaton Foreshore Precinct - Concept Plan 2025**


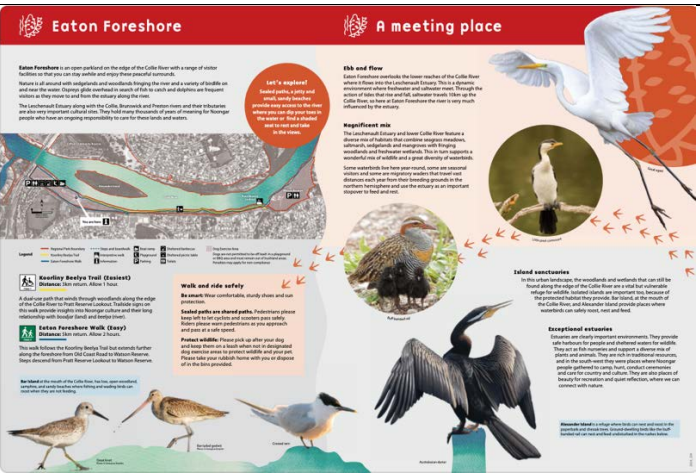
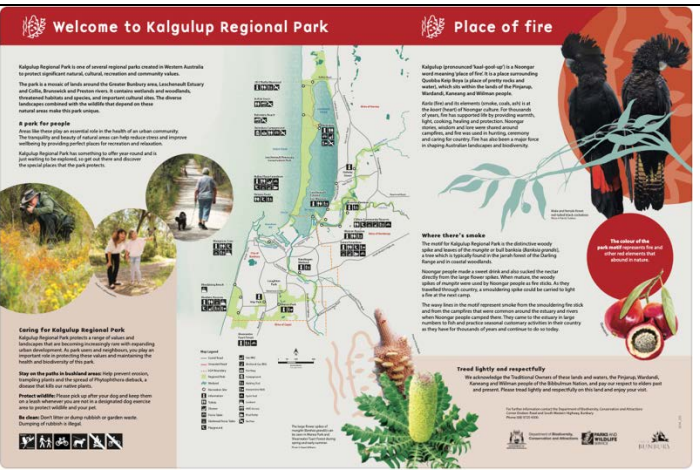
DESIGNED	DRAWN DATE	DRAWING NO.	
BB	18.08.2025	2024-CPT-110-01	
DRAWN	AUTHORISED	REVISION	ENDORSED BY COUNCIL
BB	NR	H	C.R. 168-25 O.C.M. 25.06.2025



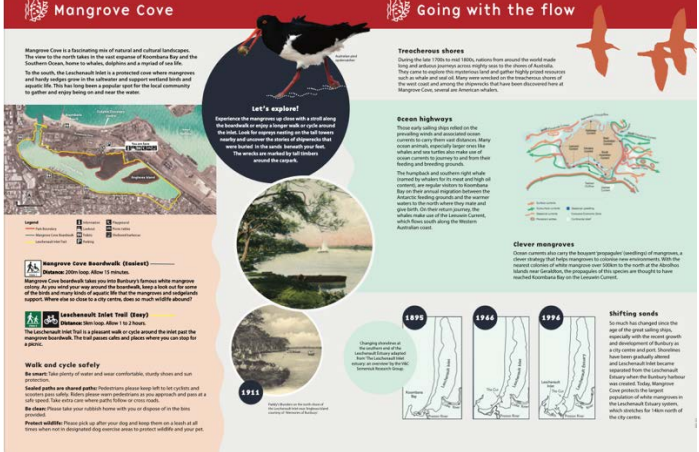
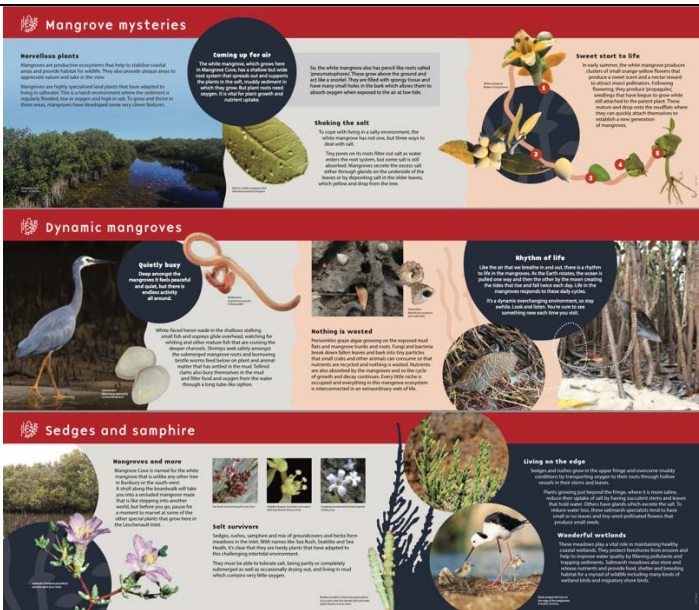
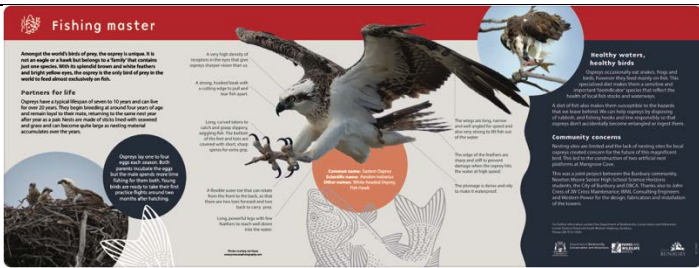
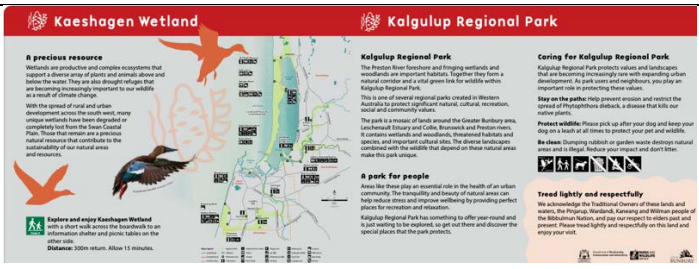
RISK ASSESSMENT TOOL								
<b>OVERALL RISK EVENT:</b> Kalgulup Regional Park – Interpretative Signs Location <b>RISK THEME PROFILE:</b> 13 - Project Management Choose an item. 10 - Management of Facilities, Venues, Events and Services Choose an item. <b>RISK ASSESSMENT CONTEXT:</b> Operational								
CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
HEALTH	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
FINANCIAL IMPACT	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
SERVICE INTERRUPTION	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
LEGAL AND COMPLIANCE	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
REPUTATIONAL	Possible negative feedback from the community if an inappropriate location is chosen for the signs.	Minor (2)	Possible (3)	Moderate (5 - 11)	Select a location that will achieve the objectives of the signs and not negatively impact on the public open space.	Minor (2)	Unlikely (2)	Low (1 - 4)
ENVIRONMENT	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
PROPERTY	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.

## Kalgulup Regional Park Interpretive Signage Inventory (North to South) - August 2025

Location	Size	Sign Heading	Sign Design and PDF/DBCA Job Name
Brunswick River	1600 x 590	A magic thing	<p>2025_384 Brunswick River_1600x590</p>
Leicester Reserve	1800 x 1200	<p>Welcome to Kalgulup Regional Park</p> <p>Place of fire (Duplicate)</p>	<p>2024_234_Leicester_1800x1200</p>

Eaton Foreshore	1800 x 1200	<p>Welcome to Kalgulup Regional Park</p> <p>Place of fire</p>	 <p>2024_234_Kalgulup_Park_Panel_Eaton_1800x1200</p>
Eaton Foreshore	1800 x 1200	<p>Eaton Foreshore</p> <p>A meeting place</p>	 <p>2024_234_Eaton_Foreshore_1800x1200</p>
Mangrove Cove	1800 x 1200	<p>Welcome to Kalgulup Regional Park</p> <p>Place of fire (Duplicate)</p>	 <p>2024_108_Kalgulup_Park_Panel_Maidens_1800x1200</p>










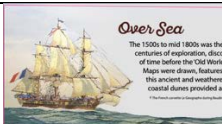

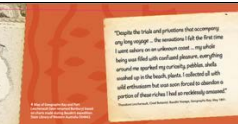

**(Appendix ORD: 12.4.2C)**

<p>Mangrove Cove</p> <p>1800 x 1200</p>	<p>Mangrove Cove</p> <p>Going with the flow</p>	 <p>2024_233_Mangrove CoveL_1800x1200</p>
<p>Mangrove Cove</p> <p>1600 x 450</p>	<p>3 signs mounted on the railing</p> <p>Mangrove mysteries</p> <p>Dynamic mangroves</p> <p>Sedges and samphire</p>	 <p>2024_233_Mangrove Boardwalk_1600x450</p>
<p>Mangrove Cove</p> <p>1600 x 590</p>	<p>Fishing master</p>	 <p>2024_233_Mangrove_Osprey_1600x590</p>
<p>Kaeshagen Wetland</p> <p>1600 x 590</p>	<p>Kaeshagen wetland</p> <p>Kalgulup Regional Park</p>	 <p>2024_230_Kaeshagen_1600x590</p>

**(Appendix ORD: 12.4.2C)**

<p>Maidens Reserve</p>	<p>1800 x 1200</p>	<p>Welcome to Kalgulup</p> <p>Regional Park</p> <p>Place of fire</p>	
<p>Maidens Reserve</p>	<p>1800 x 1200</p>	<p>Maidens Reserve</p> <p>Landforms and links</p>	
<p>Maidens Reserve</p>	<p>1600 x 590</p>	<p>Maidens Lookout Walk</p>	
<p>Maidens Reserve</p> <p>Maidens Lookout Walk</p>	<p>300 x 400</p>	<p>12 x trailside signs</p>	



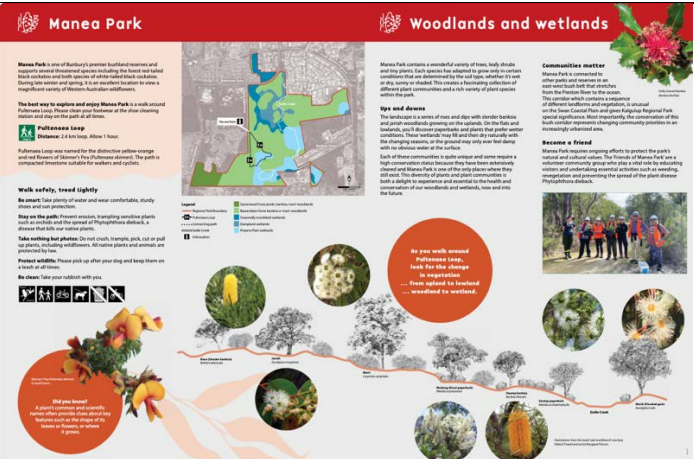

# (Appendix ORD: 12.4.2C)



			<div data-bbox="647 152 1316 1019"> <div data-bbox="647 152 869 443"> <p><b>Dysentery bush</b> <i>Alysicarpus</i></p> <p>Dysentery bush grows along Australia's southern coast. The bark was crushed and boiled in water that was drunk to treat diarrhoea and dysentery, an infection of the intestine. Dysentery was common in the Middle Ages (5th to the 15th Centuries) and in the 1700s and 1800s there were still serious outbreaks that continued to cause many deaths around the world. It remains a major problem today in developing countries.</p>  </div> <div data-bbox="869 152 1091 443"> <p><b>Wannang (Peppermint)</b> <i>Agave flexuosa</i></p> <p>The wannang is an important tree in Noongar culture. The twigs and leaves are used in smoking ceremonies and the oil, which has antiseptic properties, was used as a mouthwash and to treat wounds and sores. Mothers also crushed the leaves between their palms and then placed their hot peppermint-scented hands on the chests of babies to ease chest and nasal congestion.</p>  </div> <div data-bbox="1091 152 1316 443"> <p><b>Kobolga (Coastal pigface)</b> <i>Carpodacus virens</i></p> <p>A marvelous plant that decorates the dunes. The juice of the succulent leaves was used much like aloe vera to treat burns, grazes, mosquito bites, sunburn, and a variety of skin conditions. It was also rubbed onto the body to aid muscular aches. Infusions made from the crushed leaves were gargled to relieve sore throats and mouth infections or used to treat diarrhoea and stomach cramps. So many uses!</p>  </div> <div data-bbox="647 443 869 734"> <p><b>Biara (Slender banksia)</b> <i>Banksia attenuata</i></p> <p>Banksia flowers produce an abundance of nectar. Noongar people would soak the flowers in water to produce a refreshing sweet drink that could also be used to relieve coughs and sore throats. The tip of the biara stem bud was mixed with the petals of the cutleaf hibiscus (<i>Hibiscus canaliculatus</i>) and chewed like chewing gum to suppress hunger on long journeys.</p>  </div> <div data-bbox="869 443 1091 734"> <p><b>Pulboorn (Scarlet runner)</b> <i>Kennedia prostrata</i></p> <p>Pulboorn is a ground cover with brightly coloured scarlet flowers and a useful plant to have at hand. The nectar from the flowers was used to soothe sore throats, the leaves were used to make a refreshing tea-like drink and the stems were made into twine for tying things together.</p>  </div> <div data-bbox="1091 443 1316 734"> <p><b>Taaruk (Old man's beard)</b> <i>Claytonia lanceolata</i></p> <p>Taaruk is a coastal climber that produces spectacular displays of white, star-shaped flowers in winter. The flowers form clusters of seeds that are topped with a curved feathery-like 'tail', giving the plant the appearance of having silky, white hair. A poultice made from the crushed leaves was briefly applied to relieve irritated skin.</p>  </div> <div data-bbox="647 734 869 1019"> <p><b>Quandong</b> <i>Santalum acuminatum</i></p> <p>The quandong is a small tree with shiny, red fruit rich in vitamin C. Infusions of the leaves were used to treat diabetes. The leaves could also be pounded to a paste and applied to sores and boils. Inside each fruit is a large oil-rich seed that was ground and used as a skin moisturiser; a hair conditioner or mixed with animal fat to create a liniment for sore muscles.</p>  </div> <div data-bbox="869 734 1091 1019"> <p><b>Dodder laurel</b> <i>Cassytha racemosa</i></p> <p>The Dodder laurel is a leafless, parasitic vine that lacks roots and bark. It twines around and attaches to the stems of other plants with suckers that withdraw nutrients from the host plant. Small quantities of the fruits were eaten as laxatives and the juice of the fruits was applied to cuts and sores to aid healing.</p>  </div> <div data-bbox="1091 734 1316 1019"> <p><b>A dune with a view</b></p> <p>Views from The Maidens, especially those to the south, can be enjoyed and appreciated today thanks to State authorities and the community decision in 1995 to save this important bushland from being developed as a housing estate. Environmental advocate and geologist Bernard Bischoff was a driving force in this outcome. Bernard's vision of conserving bushland links from the ocean to the Preston River and his activism over 15 years, did much to secure the future of the southern part of Kalbar Regional Park.</p>  </div> </div>
Maidens Reserve	Custom  All different sizes  3 signs on the Upper Lookout balustrade	Over Sea  Over Land  Over 45000 years	<div data-bbox="647 1097 1329 1476"> <p><b>Over Sea</b></p> <p>The 1500s to mid 1800s was the era of the great sailing ships and centuries of exploration, discovery and trade. It was only a matter of time before the Old World discovered the Great Southland. Maps were drawn, features named and impressions made of this ancient and weathered landscape where tall peaks in the coastal dunes provided a valuable reference to seafarers.</p>  <p><b>Over Land</b></p> <p>The early explorers and settlers, who came to the region on horseback and foot, discovered a land unlike any other. Maps were drawn in increasingly greater detail and place names were created that reflected not only another culture and language, but a different perspective and understanding of the world. These journals and letters described challenges and hardships but also optimism, intrigue and wonder.</p>  <p><b>Over 45000 years</b></p> <p>In a land that has been occupied for many thousands of years by Noongar people, place names, well worn pathways and boundaries between language groups were well established. Laws and protocols were also in place. When family groups made seasonal journeys from the forested uplands, they would signal their intent to groups on the coastal plain with a fire and smoke.</p>  <p>The prominent dunes at Maidens were an important landmark as families made their way along river and wetland routes to traditional hunting, camping and ceremonial sites near the estuary and coast. These places, which provided an abundance of diverse resources, continue to hold great significance for Noongar people today.</p>  </div>
Maidens Reserve	1600 x 590  Mindalong	Maidens Coastal Trail	<div data-bbox="647 1554 1329 1803"> <p><b>Maidens Coastal Trail</b></p> <p><b>1. Maiden Coastal Trail</b> This trail follows the coast along a dune ridge that runs from the ocean to the coast. The trail is paved and is suitable for all ages. It is a great place to enjoy the view of the ocean and the dunes.</p> <p><b>2. Mindalong Coastal Trail</b> This trail follows the coast along a dune ridge that runs from the ocean to the coast. The trail is paved and is suitable for all ages. It is a great place to enjoy the view of the ocean and the dunes.</p> <p><b>3. Mindalong Coastal Trail</b> This trail follows the coast along a dune ridge that runs from the ocean to the coast. The trail is paved and is suitable for all ages. It is a great place to enjoy the view of the ocean and the dunes.</p> <p><b>4. Mindalong Coastal Trail</b> This trail follows the coast along a dune ridge that runs from the ocean to the coast. 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2024\_108\_Maidens\_Trailside\_300x400

2024\_108\_MaidensLookout\_3xcustomised



2025\_383\_Maidens Coastal Trail Trailhead\_1600x590

Hay Park	1600 x 590	Hay Park  Kalgulup Regional Park	 <p>2024_230_Hay_Park_1600x590</p>
Manea Park	1800 x 1200	Welcome to Kalgulup Regional Park  Place of fire	 <p>2024_108_Kalgulup_Park_Panel_Manea_1800x1200</p>
Manea Park	1800 x 1200	Manea Park  Woodlands and wetlands	 <p>2024_232_Manea Large Panel v2</p>
Manea Park  X 2	900 x 1200	The killer beneath your feet	 <p>2024_232_Manea_Dieback_900x1200</p>

<p>Manea Park</p> <p>Pultaneae Loop</p>	<p>180 x 280</p>	<p>17 x trailside signs</p>	 <p><b>Biora (Slender Banksia)</b> <i>Banksia attenuata</i></p> <p>Tree to 10m. Thick reddish brown to grey fibrous bark. Narrow serrated leaves 1.5cm wide up to 25cm long. Flowering cones green in bud, bright yellow flower Nov-Jan. This Banksia is one of the chief food sources of Camaldy's cockatoos, which eat both the seeds and weevil larvae in the cones.</p> <p><b>Snottygobble</b> <i>Pteroporus langifolia</i></p> <p>Weeping tree to 5m with distinctive colourful flaky bark. Long narrow ovate-shaped bright green leaves. Deep yellow to orange flowers in Dec-Feb. The small, sweet fruit has a green, slightly rubbery skin. When opened it is mucous-like, hence the common name. An important food plant for emus, which help to spread the seeds in their droppings.</p> <p><b>Jorah</b> <i>Eucalyptus marginata</i></p> <p>Tree to 30m. Rough grey bark in strips. Leaves glossy green above and dull pale green beneath. Mallee size gum nuts. Creamy white flowers Sept-Dec. Thought to live for 400 years or more but few trees of this age remain as it is world-renowned for its dense timber.</p> <p><b>Marri</b> <i>Corymbia calophylla</i></p> <p>Tree to 60m. Chunky bark which exudes a dark red gum. Leaves dark green above and pale green below. Large urn-shaped gum nuts (darky nuts). Creamy-white flowers Feb-April. The flowers produce abundant nectar and pollen that attracts many birds and insects. The seeds are a staple food of black cockatoos.</p> <p><b>Mangite (Bull Banksia)</b> <i>Banksia grandis</i></p> <p>Tree to 6m. Thick, rough bark. Large, broadly divided dark green leaves cut into triangular segments. Large pale yellow-green flower spikes in summer. The woody cone was used as a firestick by Noongar people. Banksia has a specialised surface root system to obtain maximum phosphorus uptake from the infertile soils.</p> <p><b>Swamp Banksia</b> <i>Banksia attenuata</i></p> <p>Tree or large shrub to 15m with rough grey bark. Long narrow leaves, lightly serrated with white underside and dark green upper. Cylindrical spikes of yellow flowers sometimes partly hidden by the foliage. Flowers Mar-Aug. Occurs in low-lying seasonal damp areas.</p> <p><b>Holly-leaved Banksia</b> <i>Banksia huttonii</i></p> <p>Tree to 5m. Thick grey fibrous bark. Elliptical shaped leaves with slightly toothed edge. The only Banksia which doesn't produce spikes of flowers. Flowers have three colour phases - cream, pink and then finally red. Flowers all year round. Important source of food for hairy mound ants which build their distinct nests near the base of the trees.</p> <p><b>Peppermint</b> <i>Agonis flexuosa</i></p> <p>Thick-barked tree to 10m with weeping branches. Leaves contain an oil that has antiseptic properties and a peppermint scent when crushed. White flowers Oct-Dec. 'Flexuous' means 'full of bends' referring to the zig-zag course of the stems, which change direction at each leaf node.</p> <p><b>Dargie (Woody Pear)</b> <i>Xylomelum occidentale</i></p> <p>Tree to 6m. Bright green egg-shaped leaves with waxy outline and a few coarse prickly teeth. Creamy white flowers Dec-Feb. Large pear-shaped hard, woody fruits that are one of Australia's largest seed pods. The seeds they contain are winged and designed to spiral as they drop so that they are carried and dispersed by the wind.</p> <p><b>Coojong (Orange Wattle)</b> <i>Acacia saligna</i></p> <p>Small tree to 6m with a short trunk. Smooth green phyllodes (modified leaf stems) with a conspicuous midrib. Deep orange-yellow flowers Aug-Oct. Germinates well after disturbance and grows vigorously to colonise areas. Harbours abundant and diverse insect life, especially ants that feed on the sugary fluid produced by 'honeydew' located at the base of the phyllodes.</p> <p><b>Mooja (Wn Christmas Tree)</b> <i>Nyctia floribunda</i></p> <p>Semi-parasitic tree to 7m. Grey brown bark. Dull green linear leaves. Brilliant orange flowers Dec-Jan that mark the approach of Christmas. Mooja is a member of the mistletoe family and derives part of its nutrients from modified roots that attach to the roots of host plants.</p> <p><b>Jeeriji (Tamia)</b> <i>Macrozamia riedlei</i></p> <p>Plant to about 1m tall with palm-like fronds up to 2m. Separate male and female plants each with large attractive cones in spring. The pollen is transferred from the male to the female plants by weevils that are attracted and then repelled by chemicals produced by the cones. This is called 'push-pull' pollination. Mature seeds have a bright red fleshy covering.</p> <p><b>Pondi (Spearwood)</b> <i>Kunzea ericoides</i></p> <p>Erect shrub to 3m with drooping branches and soft hairy foliage. Yellow flowers are grouped into globular heads Sept-Nov. The flowers are a great source of nectar for insects such as jewel beetles and ants. Spearwood refers to the many straight, slender branches useful for making spears.</p> <p><b>Grass Tree</b> <i>Xanthorrhoea brunnea</i></p> <p>Grass tree without a trunk. Circular mass of off grass-like leaves. Flowering spore to 1.5m tall with thousands of white flowers Oct-Dec that open on the north side of the spear first. The tiny flowers produce abundant nectar that attracts a diverse array of insect pollinators.</p> <p><b>Modong (Stout Paperbark)</b> <i>Melaleuca premissana</i></p> <p>Stout tree to up to 10m with white papery bark. His tight clumps of bright green foliage. White to pale yellow flowers produced near the end of the branches Jan-Mar. Occurs in winter-wet depressions and swamp edges.</p> <p><b>Swamp Paperbark</b> <i>Melaleuca raphaphylla</i></p> <p>Tree to 10m. White papery bark. Long soft needle-like leaves. Creamy white flowers from Nov-Jan, is able to withstand long periods of inundation. Noongar people had many traditional uses for the bark: roof tiles for shelter, soft bedding, soaked in water and wrapped around food for cooking, and bandages for wounds.</p> <p><b>Woodland Understorey</b></p> <p>Woodland with a mix of tree species and dense understorey of medium to low shrubs, herbs and sedges. Spring colours abound.</p>
<p>Shearwater Tuart Forest</p>	<p>1800 x1200</p>	<p>Welcome to Kalgulup Regional Park</p> <p>Place of fire</p>	 <p><b>Welcome to Kalgulup Regional Park</b></p> <p>Kalgulup Regional Park is one of several regional parks created in Western Australia to provide significant natural, cultural, recreational and community values.</p> <p>The park is a mosaic of lands, around the Greater Bentley area, Leachmouth Estuary and Cape, Remondy and Pultaneae areas. It contains natural and semi-natural, recreational habitats and species, and important cultural sites. The diverse landscape contrasts with the wildlife that depend on these natural areas within the park.</p> <p><b>At park: For people</b></p> <p>Close to Bentley is a special site in the heart of an urban community. The park is a mosaic of lands, around the Greater Bentley area, Leachmouth Estuary and Cape, Remondy and Pultaneae areas. It contains natural and semi-natural, recreational habitats and species, and important cultural sites. The diverse landscape contrasts with the wildlife that depend on these natural areas within the park.</p> <p><b>Creating the Kalgulup Regional Park</b></p> <p>Kalgulup Regional Park is a mosaic of lands, around the Greater Bentley area, Leachmouth Estuary and Cape, Remondy and Pultaneae areas. It contains natural and semi-natural, recreational habitats and species, and important cultural sites. The diverse landscape contrasts with the wildlife that depend on these natural areas within the park.</p> <p><b>Where there's a will, there's a way</b></p> <p>The park is a mosaic of lands, around the Greater Bentley area, Leachmouth Estuary and Cape, Remondy and Pultaneae areas. It contains natural and semi-natural, recreational habitats and species, and important cultural sites. The diverse landscape contrasts with the wildlife that depend on these natural areas within the park.</p> <p><b>Tread lightly and respectfully</b></p> <p>We acknowledge the Traditional Owners of these lands and waters, the Pultaneae, Woodland, Kalgulup and Wattle. We acknowledge the Traditional Owners of these lands and waters, the Pultaneae, Woodland, Kalgulup and Wattle. We acknowledge the Traditional Owners of these lands and waters, the Pultaneae, Woodland, Kalgulup and Wattle.</p>

2024\_229\_Manea Trailside\_180x280

2024\_234\_Kalgulup\_Park\_Panel\_Shearwater\_1800x1200

<p>Shearwater Tuart Forest</p>	<p>1800 x 1200</p>	<p>Shearwater Tuart Forest</p> <p>Wonderful woodlands</p>	 <p>2024_234_Shearwater_Tuart_Forest_1800x1200</p>
<p>25 x locations in the regional park</p>	<p>300 x 400</p>	<p>Kalgulup Regional Park</p>	 <p>2024_231_Ebook_210x300</p>



# Welcome to Kalgulup Regional Park

Kalgulup Regional Park is one of several regional parks created in Western Australia to protect significant natural, cultural, recreation and community values.

The park is a mosaic of lands around the Greater Bunbury area, Leschenault Estuary and Collie, Brunswick and Preston rivers. It contains wetlands and woodlands, threatened habitats and species, and important cultural sites. The diverse landscapes combined with the wildlife that depend on these natural areas make this park unique.

## A park for people

Areas like these play an essential role in the health of an urban community. The tranquility and beauty of natural areas can help reduce stress and improve wellbeing by providing perfect places for recreation and relaxation.

Kalgulup Regional Park has something to offer year-round and is just waiting to be explored, so get out there and discover the special places that the park protects.



Photos © Jeff Henderson

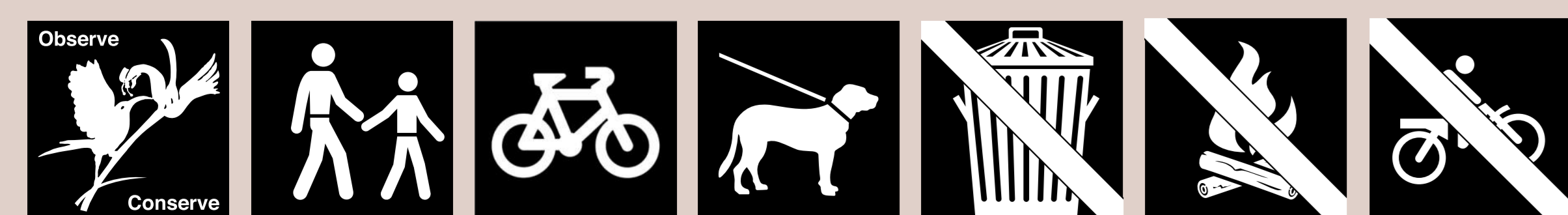
## Caring for Kalgulup Regional Park

Kalgulup Regional Park protects a range of values and landscapes that are becoming increasingly rare with expanding urban development. As park users and neighbours, you play an important role in protecting these values and maintaining the health and biodiversity of this park.

**Stay on the path:** Help prevent erosion, trampling plants and the spread of *Phytophthora dieback*, a disease that kills our native plants.

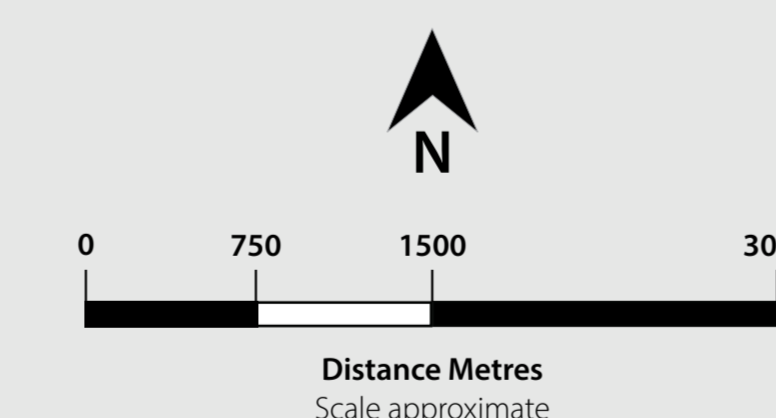
**Protect wildlife:** Please pick up after your dog and keep them on a leash whenever you are not in a designated dog exercise area to protect wildlife and your pet.

**Be clean:** Don't litter or dump rubbish or garden waste. Dumping of rubbish is illegal.



### Map Legend

- |                        |                   |
|------------------------|-------------------|
| — Sealed Road          | Gas BBQ           |
| — Unsealed Road        | Sheltered Gas BBQ |
| - - - LGA Boundary     | Fire Ring         |
| Regional Park          | Campground        |
| Wetland                | Walking Trail     |
| ○ Recreation Site      | Interpretive Walk |
| Information            | Cycle Trail       |
| Toilets                | Lookout           |
| Shower                 | 4WD Access        |
| Picnic Table           | Boat Ramp         |
| Sheltered Picnic Table | No Pets           |
| Playground             |                   |



The large flower spikes of *mungite* (*Banksia grandis*) can be seen in Manea Park and Shearwater Tuart Forest during spring and early summer.  
Photo © Stuart Williams



# Place of fire

Kalgulup (pronounced 'kaal-gool-up') is a Noongar word meaning 'place of fire'. It is a place surrounding Quobba Keip Boya (a place of pretty rocks and water), which sits within the lands of the Pinjarup, Wardandi, Kaneang and Wiilman people.

*Karla* (fire) and its elements (smoke, coals, ash) is at the *koort* (heart) of Noongar culture. For thousands of years, fire has supported life by providing warmth, light, cooking, healing and protection. Noongar stories, wisdom and lore were shared around campfires, and fire was used in hunting, ceremony and caring for Country. Fire has also been a major force in shaping Australian landscapes and biodiversity.

## Where there's smoke

The motif for Kalgulup Regional Park is the distinctive woody spike and leaves of the *mungite* or bull banksia (*Banksia grandis*), a tree which is typically found in the jarrah forest of the Darling Range and in coastal woodlands.

Noongar people made a sweet drink and also sucked the nectar directly from the large flower spikes. When mature, the woody spikes of *mungite* were used by Noongar people as fire sticks. As they travelled through country, a smouldering spike could be carried to light a fire at the next camp.

The wavy lines in the motif represent smoke from the smouldering fire stick and from the campfires that were common around the estuary and rivers when Noongar people camped there. They came to the estuary in large numbers to fish and practice seasonal customary activities in their country as they have for thousands of years and continue to do so today.

## Tread lightly and respectfully

We acknowledge the Traditional Owners of these lands and waters, the Pinjarup, Wardandi, Kaneang and Wiilman people of the Bibbulmun Nation, and pay our respect to elders past, present and emerging. Please tread lightly and respectfully on this land and enjoy your visit.

For further information contact the Department of Biodiversity, Conservation and Attractions  
Corner Dodson Road and South Western Highway, Bunbury.  
Phone (08) 9725 4300.



Department of Biodiversity,  
Conservation and Attractions



Male and female forest red-tailed black cockatoos  
Photo © Patrick Tomkins

The colour of the park motif represents fire and other red elements that abound in nature.



Quandong



# Eaton Foreshore

**Eaton Foreshore** is an open parkland on the edge of the Collie River with a range of visitor facilities so that you can stay awhile and enjoy these peaceful surrounds.

Nature is all around with sedgelands and woodlands fringing the river and a variety of birdlife on and near the water. Ospreys glide overhead in search of fish to catch and dolphins are frequent visitors as they move to and from the estuary along the river.

The estuary, river and other waterways in the area are also very important cultural sites. They hold many thousands of years of meaning for Noongar people who have an ongoing responsibility to care for these lands and waters.

## Let's explore!

Sealed paths, a jetty and small, sandy beaches provide easy access to the river where you can dip your toes in the water or find a shaded seat to rest and take in the views.



- Legend**
- Regional Park Boundary
  - Eaton Foreshore Walk
  - Koorliny Beelya Trail
  - Steps and boardwalk
  - Interpretive Walk
  - Information
  - Boat Ramp
  - Playground
  - Parking
  - Sheltered BBQ
  - Sheltered picnic table
  - Toilets
  - Dog Exercise Area
  - Dogs are not permitted to be off leash in a playground or BBQ area and must remain out of bushland areas.



## Koorliny Beelya Trail

**Distance:** 3km return. Allow 1 hour.

A dual-use path that winds through woodlands along the edge of the Collie River to Pratt Reserve Lookout. Trailside signs on this walk provide insights into Noongar culture and their long relationship with *boodjar* (land) and *beelya* (river). Beyond the lookout are steps that descend to the river and then a boardwalk into Watson Reserve. There are also designated dog exercise areas where pets can be let off the leash for exercise but must be under effective control at all times.

## Walk and ride safely

**Be smart:** Wear comfortable, sturdy shoes and sun protection. Avoid walking on hot days and take plenty of drinking water.

**Sealed paths are shared paths.** Pedestrians please keep left to let cyclists and scooters pass safely. Riders please warn pedestrians as you approach and pass at a safe speed.

**Protect wildlife:** Please pick up after your dog and keep them on a leash when not in designated dog exercise areas to protect wildlife and your pet. Dispose of rubbish in the bins provided.

**Bar Island** at the mouth of the Collie River, has low, open woodland, samphire and sandy beaches where fishing and wading birds can roost when they are not feeding.



# A meeting place

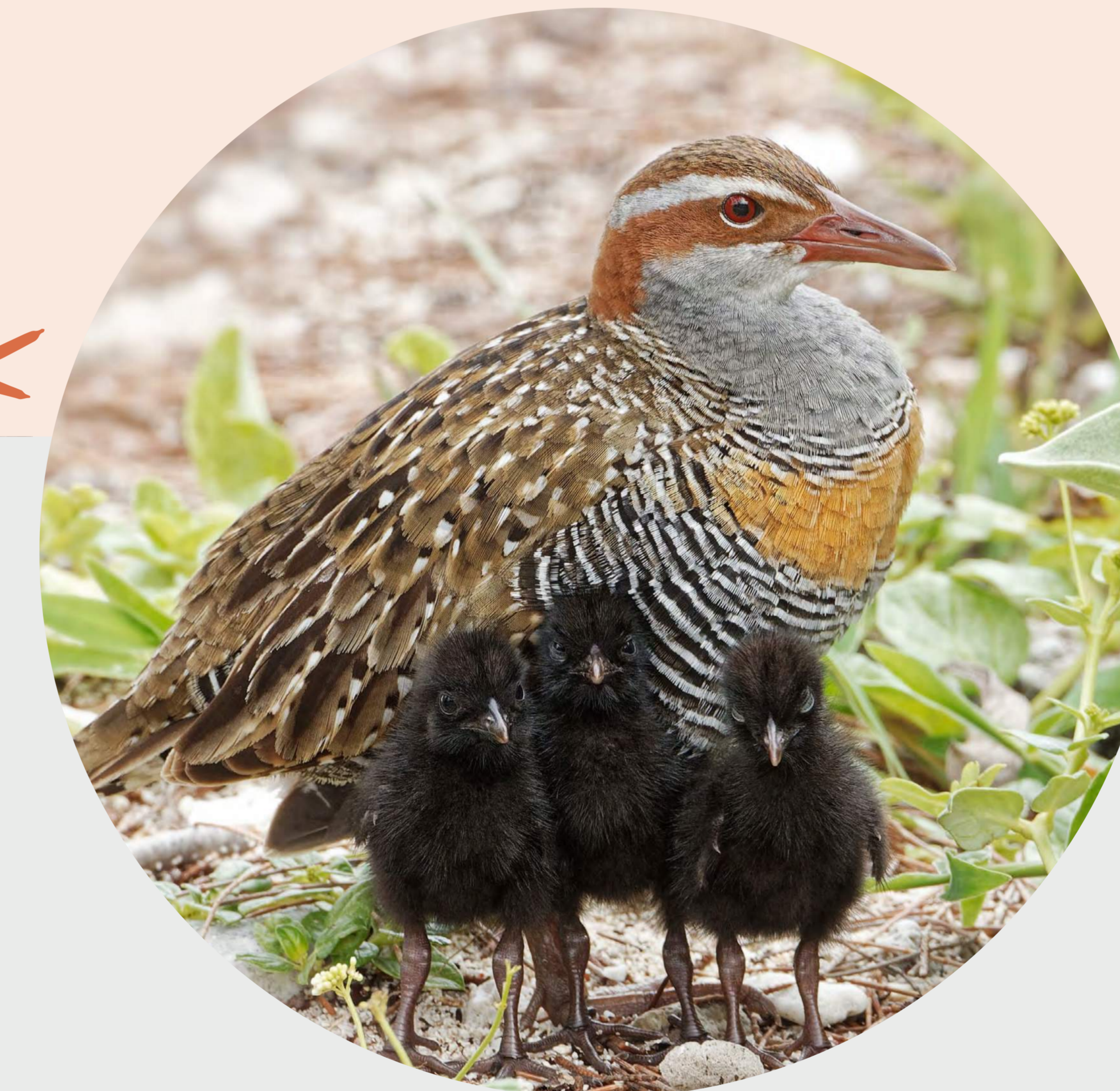
## Ebb and Flow

Eaton Foreshore overlooks the lower reaches of the Collie River where it flows into the Leschenault Estuary. This is a dynamic environment where freshwater and saltwater meet. Through the action of tides that rise and fall, saltwater travels 10km up the Collie River, so here at Eaton Reserve the river is very much influenced by the estuary.

## Magnificent mix

The Leschenault Estuary and lower Collie River feature a diverse mix of habitats that combine seagrass meadows, saltmarsh, sedgelands and mangroves with fringing woodlands and freshwater wetlands. This in turn supports a wonderful mix of wildlife and a great diversity of waterbirds.

Some waterbirds live here year-round, some are seasonal visitors and some are migratory waders that travel vast distances each year from their breeding grounds in the northern hemisphere and use the estuary as an important stopover to feed and rest.



Buff-banded rail



Little pied cormorant

## Island sanctuaries

In this urban landscape, the woodlands and wetlands that can still be found along the edge of the Collie River are a vital but vulnerable refuge for wildlife. Isolated islands are important too, because of the protected habitat they provide. Bar Island, at the mouth of the Collie River, and Alexander Island provide places where waterbirds can safely roost, nest and feed.

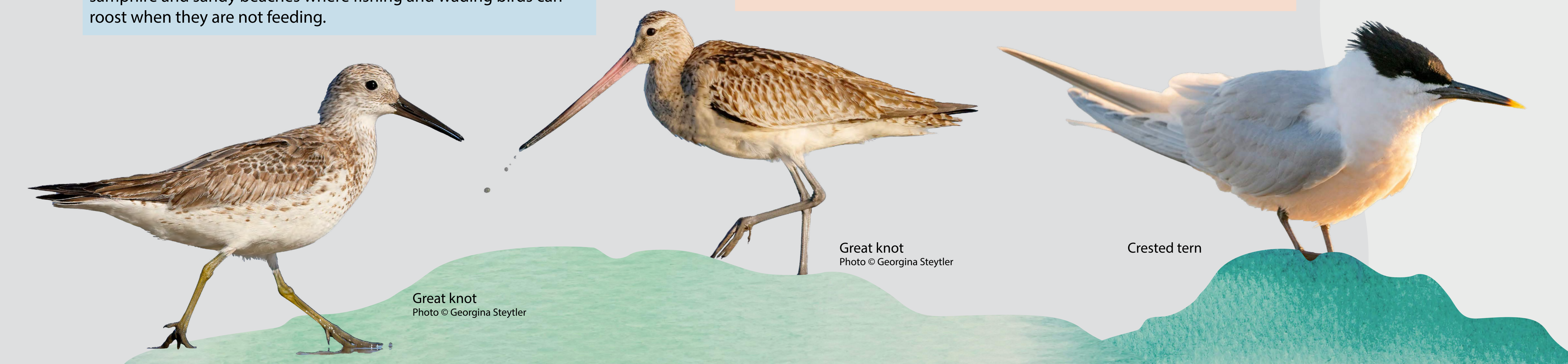
## Exceptional estuaries

Estuaries are clearly important environments. They provide safe harbours for people and sheltered waters for wildlife. They act as fish nurseries and support a diverse mix of plants and animals. They are rich in traditional resources, and in the southwest they were places where Noongar people gathered to camp, hunt, conduct ceremonies and care for country and culture. They are also places of beauty for recreation and quiet reflection, where we can connect with nature.

**Alexander Island** is a refuge where birds can nest and roost in the paperbark and sheoak trees, or nest and feed undisturbed in the rushes below.



Great egret



Great knot  
Photo © Georgina Steytler

Great knot  
Photo © Georgina Steytler

Crested tern

# Regional Parks Sign Manual

A guide to communicating through signage



## Foreword



The Department of Biodiversity, Conservation and Attractions manages a variety of tenure across Western Australia, including a system of regional parks that lie within urban areas.



Within the Perth metropolitan area there are eleven regional parks that cover a total of about 50,000 hectares.



Perth's regional parks include river foreshores, ocean beaches, wetlands, banksia woodlands and the Darling Scarp. They are used every day by local residents and visitors, from early morning walkers to students on school excursions, and tourists on guided tours.



Many other forms of recreation are available in these parks, often in areas of high conservation value. Thomsons Lake in Beeliar Regional Park, for example, provides an opportunity for birdwatching because it is a stopping point for migratory birds from Japan, Russia and China, which are protected by international agreements.



Managing the high number of visitors and providing information about the different natural features and facilities in each park presents a challenge to the Department of Biodiversity, Conservation and Attractions, local councils and community groups, who are advocates for the parks and the values they protect.



Park signage is an obvious way to help meet this challenge. Signs are a highly visible and effective tool in recreation management if used efficiently and skillfully.



This sign system, designed for regional parks, recognises the individual nature of each park and at the same time, links them together as part of the city's most extensive open space system. This system is based on a hierarchy of signs that have been developed to identify, inform, direct, regulate and warn.



This manual sets out detailed specifications to plan, build and install signs and information shelters in regional parks and to maximise their value to visitors and park managers. These specifications have been developed to optimize design effectiveness, such as legibility, user recognition and to help strengthen the community's awareness and appreciation of regional parks.

A great deal of time and effort has been put into these specifications, and the department is indebted to all those who have contributed to this document.

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## Introduction

### Regional Parks Sign System

There are currently 11 regional parks, covering over 50,000 hectares of land, within the Perth metropolitan areas. These parks have been reserved for their particular conservation, recreation, heritage and landscape values. They represent a wide range of different environments and scenery types and support a broad spectrum of recreation opportunities for visitors.

In some cases, the parks are fragmented and made up of discrete areas of land that are separated by transport corridors and other land uses. Uniting the separate parts of each park, and uniting the parks that comprise the park network, is a major challenge.

The Regional Parks Sign System has been designed to address this challenge. Through consistent use of distinctive materials and graphics, the sign system and branding aims to establish a recognisable and memorable identity for the parks, individually and as a group.

The Sign System has been developed in response to both the natural and social values of the regional parks and to effectively convey information to the public across the diverse cultural contexts and landscapes in which the signs are to be located. It has also been designed to incorporate and reinforce the department's corporate identity.

The distinctive branding has been designed to be graphically simple, adaptable to different applications, stylistically consistent and individually evocative of the special values and character of the parks that it represents.

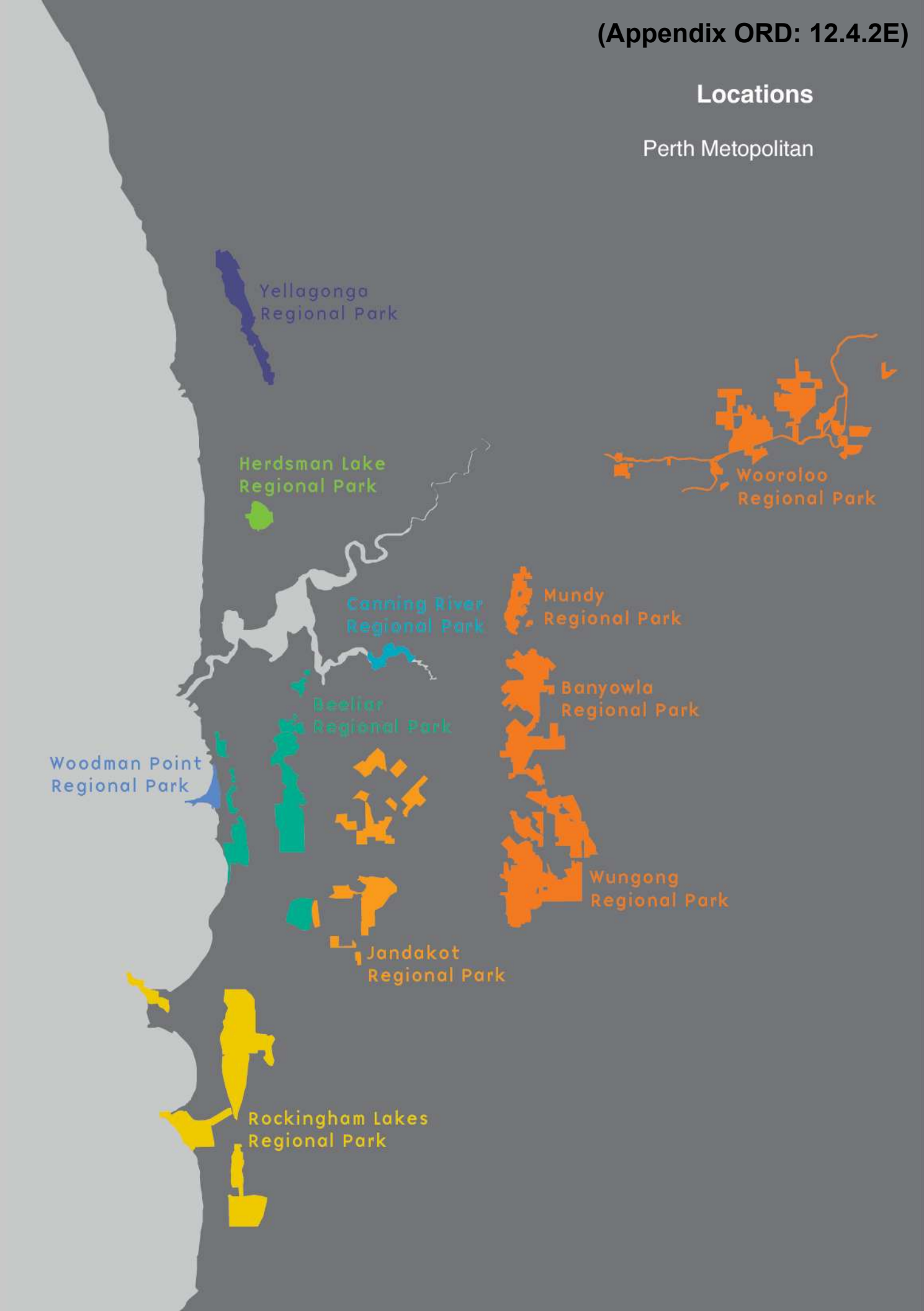
Both the branding and the sign system form the standard for signage in the regional parks. It is important that new signs are selected, ordered, manufactured and installed according to this sign system to establish and maintain a consistent identity and quality of information across the regional parks.

For more information about the Regional Parks Sign System and branding, contact the Design Studio Coordinator Ph: (08) 9219 8578 Email: [signdesign@dbca.wa.gov.au](mailto:signdesign@dbca.wa.gov.au)

For more information on regional parks, contact the Regional Parks Unit Manager Ph: (08) 9442 0300 Email: [regional.parks@dbca.wa.gov.au](mailto:regional.parks@dbca.wa.gov.au)

Locations

Perth Metropolitan



## Introduction

### How to use this Manual

This manual is the guide for all regional parks staff and Local Government authorities to select, manufacture, install and maintain signs within the regional parks network.

#### **Sign design and development is a process**

The manual takes the user step by step through that process, which is outlined on the next page. It is important that each step is considered so that regional parks signs meet design, construction and installation standards.

#### **Why are standards important?**

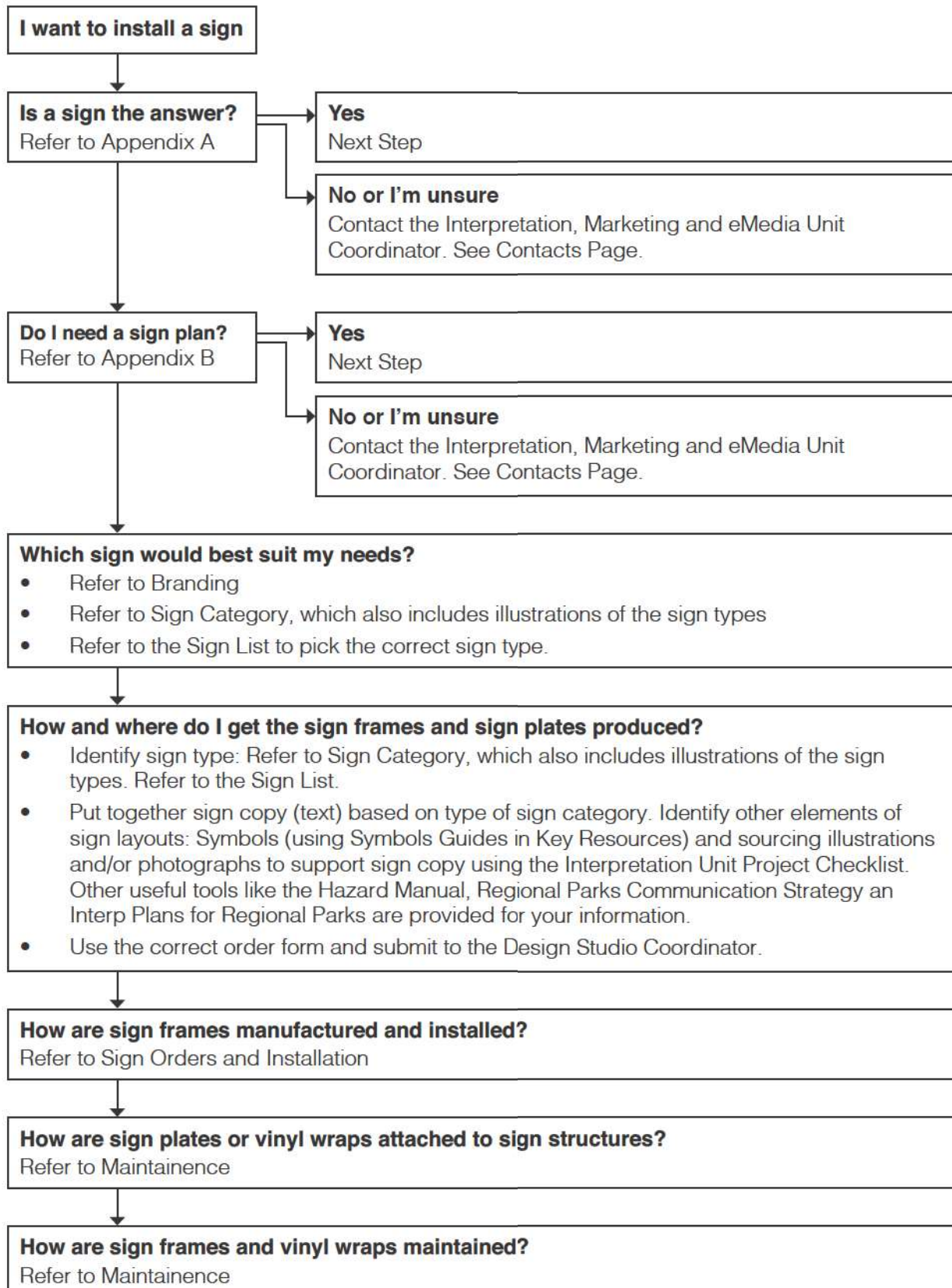
Standards ...

- assist you in planning
- assist you in communicating with the visitor on site
- ensure there is consistency across tenure and regions
- help keep production costs down
- maintain a consistent, uniform presentation and positive image across the agency
- ensure legibility (font type, font size, colours)
- ensures warranties are not voided
- optimises the visitor experience while creating safer visitor environments.

Standards apply to the design, construction and installation of sign frames, vinyl wraps and sign plates. Standards also apply to park colours, motifs and typeface. These terms are explained in the following drawings.

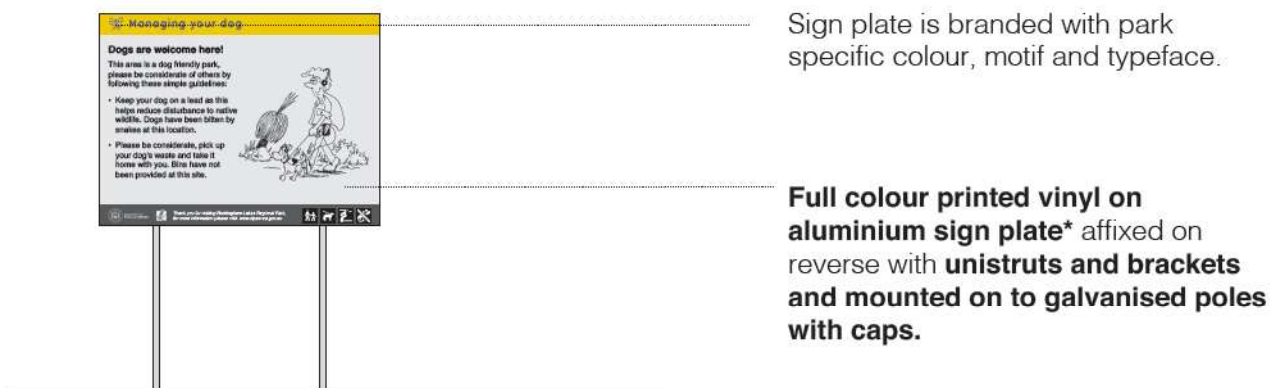
## Introduction

## How to use this Manual



## Introduction

### Sign System Types



*Note: \*Vinyl wraps will be digital prints finished with UV overlamine. Sign plates are digitally printed, full colour cast vinyls with a two part anti-graffiti spray for all permanent signage. Temporary signage may use a UV overlamine in lieu of the anti-graffiti spray. The finishing processes mentioned above are highly recommended in order to prolong the longevity of the sign in situ when subject to harsh environmental factors over time.*

## **Branding**

### **The three elements**

#### **The three elements of branding**

All regional parks within the State now have dedicated branding that allows the parks to be recognised as a group and yet stand apart individually from each other. The branding elements, unique to each park, consist of two colours and a motif. These, together with the typeface, make up the visual identity of the regional parks network.

#### **Park Colours**

Each park has two colours assigned to it for branding purposes: a background colour and an associated motif + typeface colour.

The background colour is a defined PMS colour, unique to each park or a group of parks (i.e Darling Range) and based on the Pantone Matching System (except Rockingham Lakes Regional Park whose colour has been defined by CMYK values).

The colour of the associated typeface is either charcoal or white. If charcoal is specified, it is to be produced as 80% black. The typeface colour is also applied to the motif and any other graphical elements including text and monochrome logos that are included on the signage.

The values prescribed for the specified colours must be strictly adhered to and not compromised in any way.

**Note on colour matching:** Do not use the pages that follow for colour matching purposes. Refer to the PMS or CMYK specifications for each park.

#### **Park Motifs**

The motif is a simple monochrome graphic used to create a visual identifier for each park. It must sit on the background colour assigned to the respective park.

The motif must not be distorted, stretched, skewed or warped and must be proportionally scaled at all times. It must be used as a whole image and never in part only. The minimum size for the motif in any digital print product is 10mm x 10mm.

**Note:** If required, the motifs can be obtained in the appropriate digital format from the Design Studio with permission from the Regional Parks Unit in the department.

#### **Typeface**

The principle typeface is Base Nine and the supporting typeface is Helvetica.

## Branding

## Park colours and motifs

**Background Colour**  
PMS 166C

**Motif+Typeface Colour**  
White

Note:  
Regional Parks of the Darling Range were separated into four separate Regional Parks: Wooroloo Regional Park, Mundy Regional Park, Banyowla Regional Park & Wungong Regional Park.

They however retain their original motif and colours.



**Wooroloo  
Regional Park**

**Mundy  
Regional Park**

**Banyowla  
Regional Park**

**Wungong  
Regional Park**

*In this example, elements of branding are identified for Wooroloo Regional Park.  
The following page defines the elements of branding for all other regional parks.*

**Background Colour**  
PMS 166C



**Wooroloo  
Regional Park**

**Motif Colour**  
White

**Regional Parks Typeface**  
Base Nine Regular

**Typeface colour**  
White

## Branding

## Park colours and motifs

**Background Colour**  
PMS 144C

**Motif+Typeface Colour**  
80% Black



Jandakot  
Regional Park

**Background Colour**  
CMYK 0/12/100/7

**Motif+Typeface Colour**  
80% Black



Rockingham Lakes  
Regional Park

**Background Colour**  
PMS 376C

**Motif+Typeface Colour**  
80% Black



Herdsman Lake  
Regional Park

**Background Colour**  
PMS 339C

**Motif+Typeface Colour**  
White



Beeliar  
Regional Park

**Background Colour**  
PMS 632C

**Motif+Typeface Colour**  
White



Canning River  
Regional Park

**Background Colour**  
PMS 2718C

**Motif+Typeface Colour**  
White



Woodman Point  
Regional Park

**Background Colour**  
PMS 668C

**Motif+Typeface Colour**  
White



Yellagonga  
Regional Park

## Branding

## Typeface

**The Typeface**

The principle typeface for regional parks is Base Nine and the supporting typeface is Helvetica.

## PRINCIPAL TYPEFACE

Base Nine Regular is to be used for branding park names, site names, headings and titles. The only exception is on risk signage where Helvetica Bold replaces Base Nine even for a heading.

**BASE NINE**  
Regular

<b>A B C D E F G</b>	<b>a b c d e f g</b>	<b>1 2 3 4 5 6</b>
<b>H I J K L M N</b>	<b>h i j k l m n</b>	<b>7 8 9 10 11</b>
<b>O P Q R S T</b>	<b>o p q r s t u</b>	<b>12 13 14 .</b>
<b>U V W X Y Z</b>	<b>v w x y z</b>	<b>, ; : ! ( ) ?</b>

## SUPPORTING TYPEFACES

Helvetica is always used in all other instances as described below.

**HELVETICA**  
Bold

<b>A B C D E F G</b>	<b>a b c d e f g</b>	<b>1 2 3 4 5 6 7</b>
<b>H I J K L M N</b>	<b>h i j k l m n</b>	<b>8 9 10 11 12</b>
<b>O P Q R S T</b>	<b>o p q r s t u</b>	<b>13 14 . , ; : !</b>
<b>U V W X Y Z</b>	<b>v w x y z</b>	<b>( ) ?</b>

Helvetica Bold is used for sub headings for management and interpretive signage, supporting Base Nine as a choice for headings.

**HELVETICA**  
Regular

<b>A B C D E F G</b>	<b>a b c d e f g</b>	<b>1 2 3 4 5 6 7 8</b>
<b>H I J K L M N</b>	<b>h i j k l m n</b>	<b>9 10 11 12 13</b>
<b>O P Q R S T</b>	<b>o p q r s t u</b>	<b>14 . , ; : ! ( ) ?</b>
<b>U V W X Y Z</b>	<b>v w x y z</b>	

Helvetica Regular is used as the supporting typeface.

Helvetica Oblique may only be used in specific instances - for example, the scientific names of species.

## Sign Category

### Introduction

The Regional Parks Sign System consists of four categories of signs, with different types and sizes of signs and supporting structures in each category. The four categories are:

- A) Wayfinding
- B) Management
- C) Visitor Risk
- D) Interpretation

#### **Wayfinding Signs**

Visitor Orientation signs include directional, orientation, site identification and boundary signs. Most signs in this category use a minimum of words and basic directional symbols. They aim to help visitors identify the regional park, access it and locate facilities or features.

#### **Management Signs**

Management signs include visitor regulatory (symbol signs), orientation and information signs. They may be permanent or temporary. They generally combine brief written messages with standard management symbols. A slash through a symbol indicates activities that are not allowed or not catered for.

Management issues addressed by this category of sign include environmental protection and rehabilitation, access restrictions, recreational activities and temporary parking areas.

#### **Visitor Risk Signs**

Visitor risk signs are a significant part of the department's Visitor Risk Management (VRM) strategy and are used to convey visitor risk messages. Hence, they must adhere to strict guidelines outlined in the department's Hazard Sign Manual. All risk signage must go through the department's Design Studio, as well as an approval process by the department's VRM Coordinator, prior to production to ensure the messages are consistent with departmental requirements and meet our duty-of-care obligations.

#### **Interpretation Signs**

Regional Park interpretation signs use a combination of words, images and graphics to convey messages of greater complexity than visitor orientation and management signs. The Regional Parks Sign System includes several types of interpretive signs and structures to suit a variety of situations and purposes.

The following pages provide a more detailed description and visual examples of the sign types within each of the four categories. Whether you are installing just a few signs within a site, or many as outlined in a sign plan, use this manual to select the appropriate signs for the project area. Read the sign details on the Sign List carefully to make sure you select the correct signs in terms of function and size.

## Sign Category

### Wayfinding Signs

The wayfinding sign category includes directional, orientation, site identification and boundary signs.

<b>MAIN ROADS SIGN</b> <b>RP-MRWA 1</b>	These are directional signs on main access roads indicating where to turn off to reach feature areas and recreation sites. They require Main Roads Western Australia approval, design and manufacture. They feature the park motif.
<b>LOCAL COUNCIL SIGNS</b> <b>RP-MRWA 2</b>	This sign type attaches to existing poles carrying street names and indicates a site name, regional park motif and direction. They require approval for installation from the appropriate Local Government Authority.
<b>PRE ENTRY PREPARATION SIGN</b> <b>RP-W 3</b>	This sign type is intended to be placed a minimum of 200m prior to a road turnoff to a feature area, to allow the driver adequate warning and time to reduce speed and turn.
<b>DIRECTORY BOARD</b> <b>RP-O 4</b>	This sign type informs visitors, usually on their arrival at a recreation site, of the location of facilities and features such as walk trails, toilets, etc. Usually situated in a car park, it is for pedestrians.
<b>DIRECTIONAL SIGN</b> <b>RP-W 5</b>	This sign type indicates to pedestrians and path users the direction and distance of facilities and recreational opportunities such as walks. It may feature a single direction or multiple directions, and be single-sided or double-sided.
<b>PRIMARY ENTRY SIGN</b> <b>RP-W 6A</b>	This sign type depicts the regional park name, site name and park motif. It is used on main roads or at the entrance to major feature areas. It is designed to be read from a vehicle. The sign may be single-sided or double-sided.
<b>PRIMARY SITE ID SIGN</b> <b>RP-W 6B</b>	This sign type is primarily used to identify a site within a regional park and also depicts the regional park name. It functions similarly to a primary entry sign and is used at the entrance to major sites to create a sense of arrival. Therefore, it is similar in size to RP-W 6A, may be single-sided or double-sided and clearly identifies the site name.
<b>SECONDARY ENTRY SIGN</b> <b>RP-W 7A</b>	This sign type depicts the same information as RP-W 6A, however it is smaller in size and designed for pedestrians. It will be used more frequently than RP-O 6A across the regional parks, at the entrances to feature areas. It may be single-sided or double-sided.
<b>SECONDARY SITE ID SIGN</b> <b>RP-W 7B</b>	This sign type is used to identify a site within a regional park. It functions similarly to a secondary entry sign and is used at the entrance to minor sites to create a sense of arrival. Therefore, it is similar in size to RP-W 7A, for pedestrians and may be single-sided or double-sided and clearly identifies the site name.

## Sign Category

## Wayfinding Signs

<b>TRAIL MARKER TOTEMS</b> <b>RP-W 8A,</b> <b>RP-W 8B</b> <b>and RP-W 8C</b>	<p>Different types of totem/posts are used to mark walks or to indicate the direction of facilities such as parking, beach access etc.</p> <p>RP-W 8A allows arrows to be installed to direct pedestrians. RP-W 8B and RP-W 8C sign types additionally allow for 150 x 150mm symbols (describing facilities and visitor activities on site) as well as trail markers and park motifs to be installed.</p>
<b>BOUNDARY SIGNS</b> <b>RP-W 9A, RP-W 9B,</b> <b>RP-W 9C, RP-W 9D,</b> <b>RP-W 9E and RP-W 9F</b>	<p>Boundary signs demarcate the boundaries of regional parks. The larger structures, for vehicles, are located at the boundary edges (RP-W 9A) and boundary corners (RP-W 9B).</p> <p>Smaller structures, for pedestrians are designed for path boundaries (RP-W 9C or RP-W 9D) with provisions for four 150 x 150mm symbols. There is also a fence-mounted option (RP-W 9E).</p> <p>RP-W 9F is a dual-purpose boundary sign for pedestrians and is to be positioned at pedestrian entry paths into a regional park. It directs visitors towards sites, facilities or walking trails.</p>

## Sign Category

### Wayfinding Signs RP-MRWA

#### RP - MRWA 1

##### MAIN ROADS SIGN

*Approval required by MAIN ROADS*

RP Brand: 500mm x 500mm or  
300mm x 300mm.  
*Follow Main Roads guidelines for this sign.*

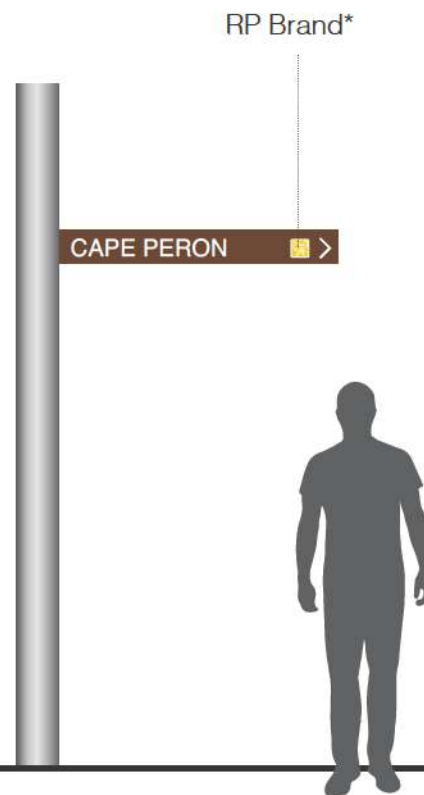


#### RP - MRWA 2

##### LOCAL COUNCIL SIGN

*Approval required by LOCAL COUNCIL*

RP Brand: 85mm x 85mm.  
*Follow Main Roads guidelines for this sign.*

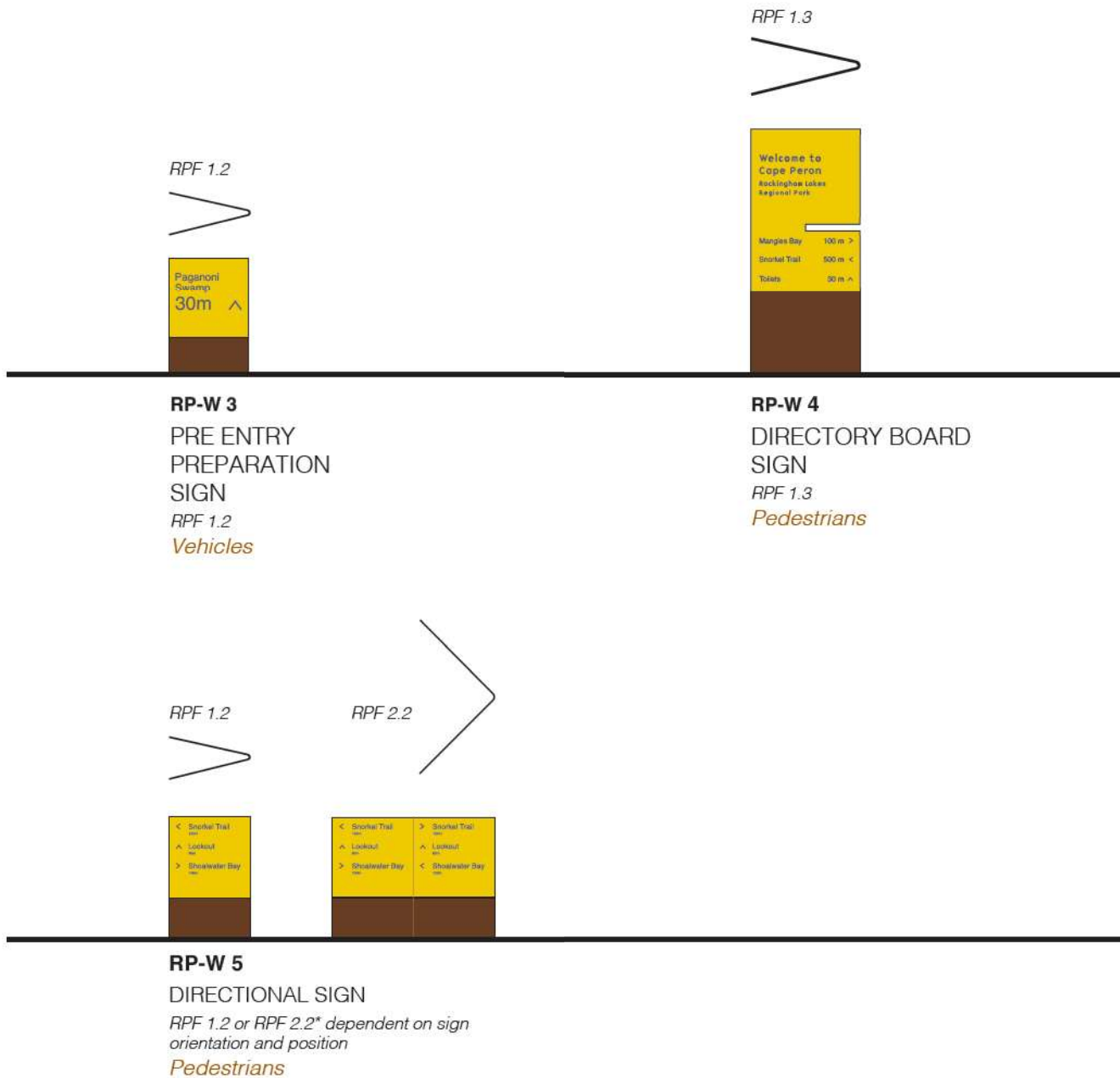


*Note: The Branding on Main Roads signs will be digitally printed onto White Class 2 reflective cast vinyl as the sign needs to be reflective. \*Print ready pdf files for each of the above sizes are available from the Design Studio upon request.*

*Follow Main Roads guidelines for this sign.*

## Sign Category

### Wayfinding Signs



*Sign frames must be oriented in a manner such that the bullnose or bend in steel is facing the road/path.*

*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

### Wayfinding Signs



#### RP-W 6A

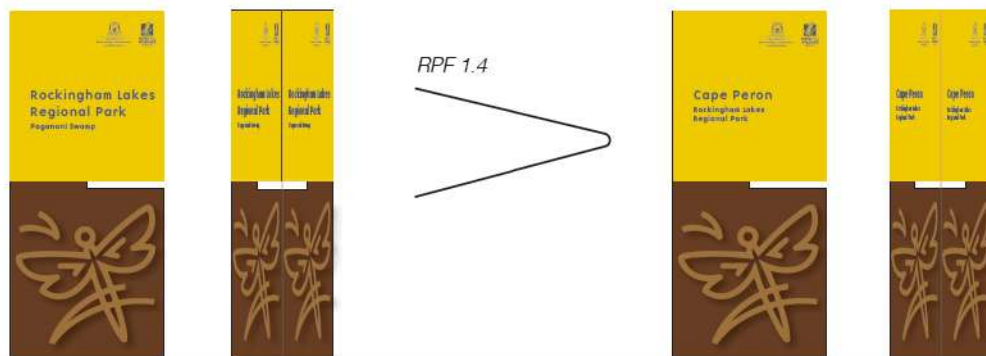
##### PRIMARY ENTRY SIGN

*Single-sided / Double-sided*  
*RPF 1.5*  
*Vehicles*

#### RP-W 6B

##### PRIMARY SITE ID SIGN

*Single-sided / Double-sided*  
*RPF 1.5*  
*Vehicles*



#### RP-W 7A

##### SECONDARY ENTRY SIGN

*Single-sided / Double-sided*  
*RPF 1.4*  
*Pedestrians*

#### RP-W 7B

##### SECONDARY SITE ID SIGN

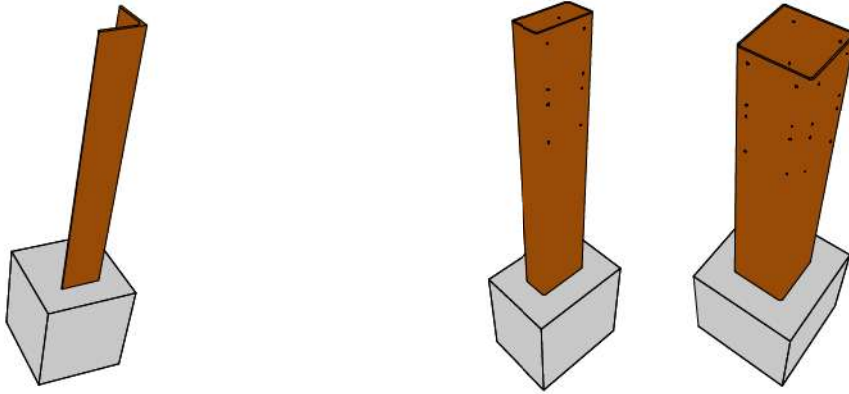
*Single-sided / Double-sided*  
*RPF 1.4*  
*Pedestrians*

*Sign frames must be oriented in a manner such that the bullnose or bend in steel is facing the road/path.*

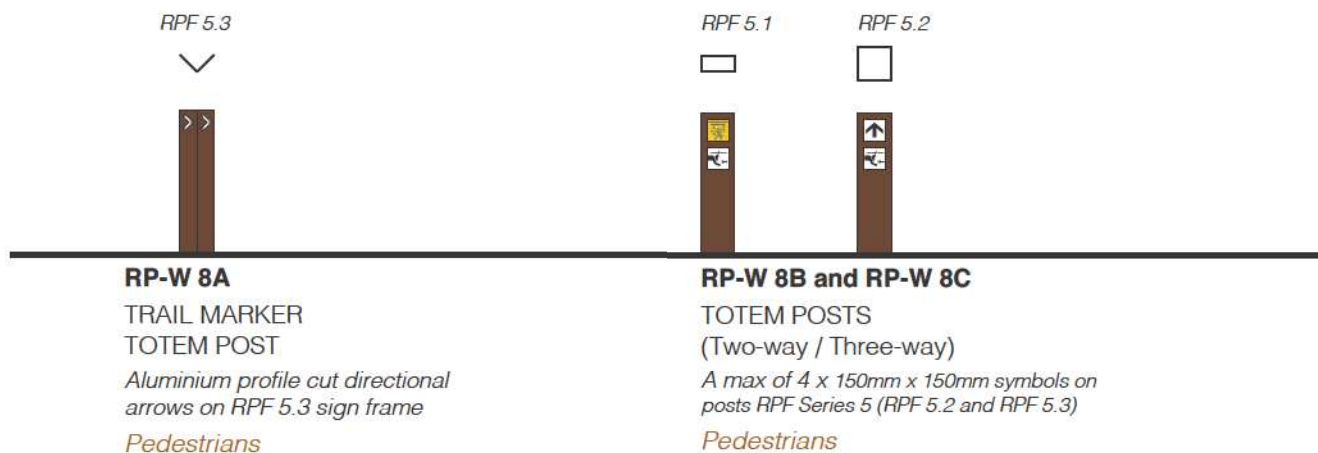
*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

## Wayfinding Signs



Totem posts in mild steel with directional arrows and / or a maximum of 4 x 150mm x 150mm symbols in aluminium.

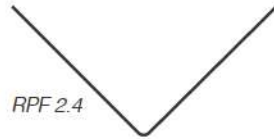


*Sign frame RPF 5.3 must be oriented in a manner such that the bullnose or bend in steel is facing the pedestrian path.*

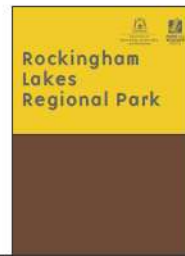
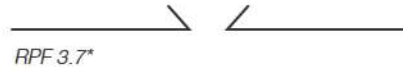
*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

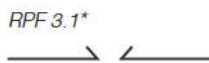
## Wayfinding Signs



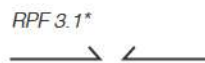
**RP-W 9A**  
BOUNDARY SIGN  
Boundary corner  
Double-sided  
RPF 2.4  
Vehicles



**RP-W 9B**  
BOUNDARY SIGN  
Boundary edge  
RPF 3.7  
Vehicles



**RP-W 9C**  
BOUNDARY PATH SIGN  
Pedestrian path - entry point eventually  
leads to a site within a regional park  
(optional - 4 x 150mm x 150mm symbols)  
RPF 3.1  
Pedestrians



**RP-W 9D**  
SITE ID + BOUNDARY SIGN  
Pedestrian path - direct entry point  
into a site within a regional park  
(optional - 4 x 150mm x 150mm symbols)  
RPF 3.1  
Pedestrians

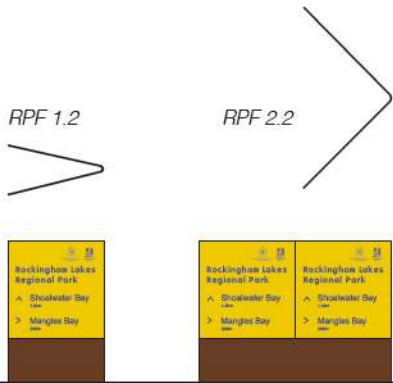
*Sign frames must be oriented in a manner such that the bullnose or bend in steel is facing the road/path. Orientation of sign frames for RPF Series 3 must be determined at sign planning stage. This consequently determines sign design layout and vinyl wrapping procedure.*

*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

Sign Category
Wayfinding Signs



**RP-W 9E**  
BOUNDARY  
FENCE SIGN  
*Pedestrians*



**RP-W 9F**  
BOUNDARY + DIRECTIONAL SIGN  
Pedestrian path - entry points into regional parks  
*Single-sided / Double-sided*  
*RPF 1.2 or RPF 2.2\* dependent on sign orientation and position*  
*Pedestrians*

*Sign frames must be oriented in a manner such that the bullnose or bend in steel is facing the road/path.*

*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park’s branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

### Management Signs

The Management Sign category includes management sign plates mounted onto either Regional Parks frames or galvanised poles, and symbols (only) mounted onto Regional Parks frames.

#### MANAGEMENT SIGNS

**M3, M4 and M5**  
on galvanised poles/  
sign frame RPF Series 4.

#### Permanent signs

Management signs may be manufactured with unistruts on the reverse side, and mounted with brackets onto galvanised poles with caps (RP-M), or mounted without unistruts onto Regional Parks frames (Series 4). Management issues addressed by this category of sign include environmental protection and rehabilitation, access restrictions, recreational opportunities, and construction/site development areas. The sign sizes are M3: 400mm x 300mm, M4: 600mm x 450mm and M5: 800mm x 600mm.

#### TEMPORARY + SYMBOL SIGN STRUCTURE RP-M

#### Temporary + Symbol signs

Symbols are used to indicate which facilities and activities are available at a site. A black slash through a symbol identifies activities that are not catered for or not allowed. Refer to the 2018 Regional Parks Symbols Index for the list of standard symbols available.

Structures that are designed to display up to four symbols can also cater for temporary signs (either A4 or A3 in size) that can be attached to the top of the structure using pre-drilled holes and cable ties.

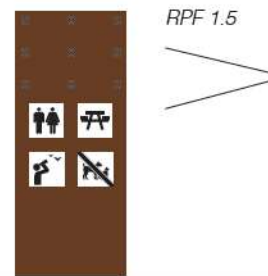
Temporary signs are designed for short term use, for example, to identify temporary parking areas during a special event. Temporary signs are to be placed on-site during the day and removed off-site overnight. Discuss your requirements with the Design Studio for special situations.

## Sign Category

## Management Signs

**RP-M3****MANAGEMENT SIGN***M3: 400mm x 300mm sign**Pedestrians***RP-M4****MANAGEMENT SIGN***M4: 600mm x 450mm sign**Pedestrians***RP-M5****MANAGEMENT SIGN***M5: 800mm x 600mm sign**Pedestrians*

Aluminium sign plates with unistruts and brackets on reverse mounted on to galvanised poles with caps.

**RP M-3, M-4 and M-5****MANAGEMENT SIGNS***M-3: 400mm x 300mm sign plate on RPF 4.1 sign frame**M-4: 600mm x 450mm sign plate on RPF 4.2 sign frame**M-5: 800mm x 600mm sign plate on RPF 4.3 sign frame**Pedestrians***RP-M****MANAGEMENT SIGN***M3: 400mm x 300mm sign plate on RPF 1.1 sign frame - use cable ties**Pedestrians*

*Sign frame RPF 1.5 must be oriented in a manner such that the bullnose or bend in steel is facing the pedestrian path.*

*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

### Visitor Risk Signs

Risk signs are used to convey visitor risk messages and are a significant part of the department's Visitor Risk Management strategy. Hence, they must adhere to guidelines outlined in the Hazard Risk Manual (see Key Resources).

All risk signage must go through an approval process by the department's VRM Coordinator prior to production.

#### Sign Content

All visitor risk copy is site and risk-specific, but shares these elements:

- International danger symbol
- What the danger is in words and symbols
- How to avoid the danger



#### Symbols

The international danger symbol, is a red triangle with red exclamation mark inside the triangle. Under the triangle is the word DANGER also in red. Both the symbol and word are to be red cast vinyl cut.

Other symbols used in the signage will be black on yellow in compliance with Departmental Policy Statement No. 53 – Visitor Risk Management and AS/NZS Standards for warning signs. The department's Risk Symbols Index is to be used as a guide to determine the correct symbols.

#### Text

Wording is to be kept to a minimum and must contain these three elements:

- i. Identify the danger in words and symbols
- ii. Describe the danger in words
- iii. Explain how to avoid the danger in words

#### Example:

##### ROCK FALL RISK AREA

Rocks may fall without warning from the cliff face before you.

##### For your safety:

- Stay well clear of cliff face
- Do not go beyond this sign
- Do not attempt to climb

#### Installing risk signs

All risk signage is to be mounted with unistruts and brackets onto galvanised poles in accordance with the guidelines set in the department's Hazard Risk Manual. If a new sign is to be mounted onto an existing structure (RP-R), approval must be obtained from the department's VRM Coordinator prior to production.

Sign Category
Visitor Risk Signs

**RP-R**  
RISK SIGN  
*R1: 400mm x 300mm*  
*Pedestrians*  
Sign to be affixed onto existing structure.  
*Approval from Parks and Wildlife VRM CoOrdinator.*



**RP-R1**  
RISK SIGN  
*R1: 400mm x 300mm*  
*Pedestrians*



**RP-R3**  
RISK SIGN  
*R3: 600mm x 450mm*  
*Pedestrians*



**RP-R4**  
RISK SIGN  
*R4: 800mm x 600mm*  
*Pedestrians/Vehicles*



Aluminium sign plates with unistruts and brackets on reverse mounted on to galvanised poles with caps.

*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

### Interpretation Signs

Interpretation signs use a combination of words, images and illustrations to convey messages of greater complexity, to enhance visitors' understanding, appreciation and enjoyment of the park and its values.

The Regional Parks Sign System includes different types of interpretive signs and their respective structures. The sign types and functions, and supporting sign structures are listed below.

#### Sign sizes

RP IP-1: 400mm x 300mm

RP IP-2: 600mm x 450mm

RP IP-3: 800mm x 600mm

RP IP-4: 900mm x 1200mm

(replaces older signs that were previously 800mm x 1200mm\*\*)

RP IP-5: 1600mm x 600mm (equivalent of 2 x IP-3 panels)

Trailhead signs are placed at the start of a walk or trail, and trailside signs are placed at intervals along the walk, usually next to or within sight of the topic on the sign. These signs are typically installed on an incline for comfortable viewing.

Interpretive signs not on trails and used near the entry to a site, at a recreation hub or to interpret specific site values include sign IP-3, IP-4 and IP-5.

#### Sign frame options

The following inclined signs can be mounted on the appropriate Regional Parks Frame (RPF Series 4) or department's sign system frames (PG Series):

IP-1 sign on an RPF4.1 sign frame or a PG31 frame\*

IP-2 sign on an RPF4.2 sign frame or a PG32 frame\*

IP-3 sign on an RPF4.3 sign frame or a PG33 frame\*

IP-5 sign on an RPF4.5 sign frame or a PG36 frame\*

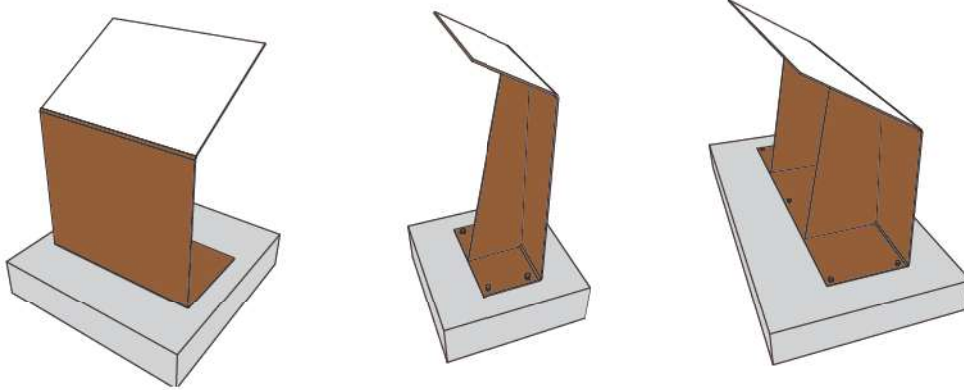
The larger 900mm x 1200mm interpretation signs may be installed in a sign shelter or plaza-style frame PG35 frame, which can accommodate one or two (back-to-back) IP-4 signs.

Note: \*Sign Frames PG31, PG32, PG33 and PG35 and PG36 form a part of the department's sign system. For detailed drawings for the fabrication of these frames, refer to the Key Resource Folder/Page or contact the Design Studio Coordinator.

\*\*Original 800mm x 1200mm signs can be replaced by current 900mm x 1200mm sign plates even in pre-existing shelters. The space must be clad first before the install of new signs. For more information on how to arrange this, please contact the Design Studio Coordinator.

## Sign Category

### Interpretation Signs



Aluminium sign plates mounted on to mild steel sign frames RPF Series 4, separated by spacers.

#### TRAILHEAD / TRAILSIDE / INTERPRETIVE SIGNS

IP-1: 400mm x 300mm, IP-2: 600mm x 450mm,  
IP-3: 800mm x 600mm sign plates on RPF 4.1, 4.2  
AND 4.3 sign frames respectively.

*Pedestrians*



#### TRAILHEAD / INTERPRETIVE SIGN

IP-5: 1600mm x 600mm sign plate  
on RPF4.5 sign frame.

*Pedestrians*



*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

## Sign Category

## Interpretation Signs

**RP IP-1**TRAILSIDE /  
INTERPRETIVE SIGN

IP-1: 400mm x 300mm sign  
plate on PG31 sign frame.

*Pedestrians*

**RP IP-2**TRAILSIDE /  
INTERPRETIVE SIGN

IP-2: 600mm x 450mm sign  
plate on PG32 sign frame.

*Pedestrians*

**RP IP-3**TRAILSIDE / TRAILHEAD  
/INTERPRETIVE SIGN

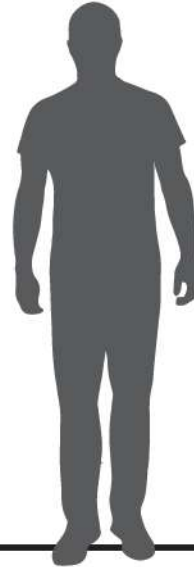
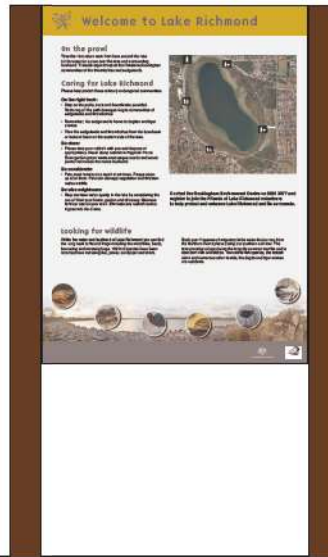
IP-3: 800mm x 600mm sign  
plate on PG33 sign frame.

*Pedestrians*

**RP IP-4**PLAZA STYLE  
INTERPRETIVE SIGN

IP-4: 900mm x 1200mm sign plate  
on PG35 sign frame.

*Pedestrians*



*Note: The signs illustrated above are examples ONLY, designed for Rockingham Lakes Regional Park. Refer to **Branding** for your regional park's branding elements. For actual specifications and detailed drawings, including measurements and footing dimensions, refer to **Sign Frames**.*

Sign List
Introduction

The Regional Parks Sign list is a detailed inventory of all sign types in the Regional Parks Sign System and includes each sign's frame and sign plate specifications.

Use this list to identify the category of sign required. Then select the best sign type in that category to suit the task. The title and sign content columns will assist selection if more than one sign type seems suitable. For additional guidance on sign type selection, refer to the pages that follow.

**Custom signs**

While it is important to maintain sign standards across Regional Parks, signs may occasionally need to be customised for unique or problematic sites or situations.

In this event, the Design Studio can assist Regional Parks Unit staff and others in designing a sign in accordance with the principles and standards of the sign system. The custom sign must be approved by the Design Studio Coordinator and Regional Parks Unit.

## Wayfinding Signs and Sign Frames

## Regional Parks Sign List

NO	AUTHORITY / APPROVAL	SIGN TYPE	AUDIENCE	SIGN CONTENT (COPY)	DIRECTIONAL ARROW	SIGN FRAME MATERIAL	SIGN FRAME TYPE	D/S OR S/S	SIGN FRAME + MORE INFO	COLOUR	LOGOS / CORPORATE IDENTITIES
RP - MRWA 1	MRWA	MAIN ROADS SIGN	Vehicles	Regional Park Name (Park Specific) Distance (to be inserted)	Site Specific	ALUMINIUM	Applied Vinyl	S/S	300x300 (mm) / 500x500 (mm) symbol on sign	RP branding	RP brand motif
RP - MRWA 2	MRWA + LGA	LOCAL COUNCIL (LGA) SIGN	Vehicles	Regional Park Name (Park Specific) / Site Name (Site Specific)	Site Specific	ALUMINIUM	Bracket	D/S	85x85 (mm) symbol	RP branding	RP brand motif
RP-W 3	DBCA + LGA	PRE ENTRY PREPARATION SIGN	Vehicles	Regional Park Name (Park Specific) / Site Name (Site Specific) Distance 200m or 300m	Site Specific	MILD STEEL	Freestanding / Mounted	S/S	RPF 1.2	RP branding	N/A
RP-W 4	DBCA	DIRECTORY BOARD SIGN	Pedestrian	Welcome to Site Name (Site Specific) Regional Park Name (Park Specific) List of Trail/Facilities, Distance + Directional Arrows	Site Specific	MILD STEEL	Freestanding	S/S	RPF 1.3	RP branding	N/A
RP-W 5	DBCA	DIRECTIONAL SIGN	Pedestrians	(Site specific copy to be supplied) based on sign position, orientation and sign plan. Note: Maximum of 5 lines	Site Specific	MILD STEEL	Freestanding	D/S on S/S	RPF 1.2/ RPF 2.2	RP branding	N/A
RP-W 6A	DBCA	PRIMARY ENTRY SIGN	Vehicles	Regional Park Name (Park Specific) Site Name (Site Specific)	N/A	MILD STEEL	Freestanding	D/S on S/S	RPF 1.5	RP branding	RP brand motif + Department logo
RP-W 6B	DBCA	PRIMARY SITE ID SIGN	Vehicles	Site Name (Site Specific) Regional Park Name (Park Specific)	N/A	MILD STEEL	Freestanding	D/S on S/S	RPF 1.5	RP branding	RP brand motif + Department logo
RP-W 7A	DBCA	SECONDARY ENTRY SIGN	Pedestrians	Regional Park Name (Park Specific) Site Name (Site Specific)	N/A	MILD STEEL	Freestanding	D/S on S/S	RPF 1.4	RP branding	RP brand motif + Department logo
RP-W 7B	DBCA	SECONDARY SITE ID SIGN	Pedestrians	Site Name (Site Specific) Regional Park Name (Park Specific)	N/A	MILD STEEL	Freestanding	D/S on S/S	RPF 1.4	RP branding	RP brand motif + Department logo
RP-W 8A	DBCA	TRAIL MARKER TOTEM	Pedestrians	Directional arrows mounted to direct two-way pedestrian traffic	Site Specific	MILD STEEL	Freestanding	D/S	RPF 5.3 + arrows	RP branding	N/A
RP-W 8B	DBCA	TWO-WAY TOTEM POST	Pedestrians	Max of 4 x 150mm x 150mm symbols (Use RP Symbols Index / Risk Symbol Index) on 2 sides of post	N/A	MILD STEEL	Freestanding	D/S on S/S	RPF 5.1 + max of 4 x 150mm x 150mm symbols on 2 sides	RP branding	RP ID symbol* See RP Symbol Index
RP-W 8C	DBCA	THREE-WAY TOTEM POST	Pedestrians	Max of 4 x 150mm x 150mm symbols (Use RP Symbols Index / Risk Symbol Index) on 3 sides of post	N/A	MILD STEEL	Freestanding	D/S on S/S or 3 S/S	RPF 5.2 + max of 4 x 150mm x 150mm symbols on 3 sides	RP branding	RP ID symbol* See RP Symbol Index
RP-W 9A	DBCA	BOUNDARY SIGN (BOUNDARY CORNER)	Vehicles	Regional Park Name (Park Specific)	N/A	MILD STEEL	Freestanding	D/S	RPF 2.4	RP branding	Department logo
RP-W 9B	DBCA	BOUNDARY SIGN (BOUNDARY EDGE)	Vehicles	Regional Park Name (Park Specific)	N/A	MILD STEEL	Freestanding	S/S	RPF 3.7	RP branding	Department logo
RP-W 9C	DBCA	BOUNDARY PATH SIGN	Pedestrians	Regional Park Name (Park Specific) Site Name (Site Specific) + (Optional) 4 x Symbols	N/A	MILD STEEL	Freestanding	S/S	RPF 3.1	RP branding	Department logo
RP-W 9D	DBCA	SITE ID + BOUNDARY PATH SIGN	Pedestrians	Site Name (Site Specific) Regional Park Name (Park Specific) + (Optional) 4 x Symbols	Site Specific	MILD STEEL	Freestanding	S/S	RPF 3.1	RP branding	Department logo
RP-W 9E	DBCA	BOUNDARY FENCE SIGN	Pedestrians	Regional Park Name (Park Specific)	N/A	MILD STEEL	Mounted	D/S	800x400 (mm) sign plate	RP branding	Department logo
RP-W 9F	DBCA	BOUNDARY & DIRECTIONAL SIGN	Pedestrians	Regional Park Name (Park Specific) + Site name (Site Specific) Destination Name + Direction Arrow + Distance to	Site Specific	MILD STEEL	Freestanding	D/S on S/S	RPF 1.2/ RPF 2.2	RP branding	Department logo

## Management Signs and Sign Frames

## Regional Parks Sign List

NO	AUTHORITY / APPROVAL	SIGN TITLE	AUDIENCE	SIGN CONTENT (COPY)	SIGN FRAME MATERIAL	SIGN FRAME DETAILS	SIGN FRAME	SIGN SIZE (MM)	SIGN MATERIAL	FIXING METHOD	COLOUR	LOGOS / CORPORATE IDENTITIES
RP-M	DBCA	TEMPORARY SYMBOL SIGN	Pedestrians	Temporary management sign - requirement specific	MILD STEEL	Freestanding	RPF 1.1	M3: 400x300	ALUMINIUM	with cable ties	RP branding + Symbols - as per RP Symbol Index	RP brand motif + Department logo
RP - M3	DBCA	MANAGEMENT SIGN	Pedestrians	Management sign - Key issue / requirement specific	MILD STEEL	Freestanding	RPF 4.1 OR Unistruts on reverse mounted on to galvanized poles with caps	M3: 400x300	ALUMINIUM	with spacers OR w/ brackets for unistruts	RP branding	RP brand motif + Department logo
RP - M4	DBCA	MANAGEMENT SIGN	Pedestrians	Management sign - Key issue / requirement specific	MILD STEEL	Freestanding	RPF 4.2 OR Unistruts on reverse mounted on to galvanized poles with caps	M4: 600x450	ALUMINIUM	with spacers OR w/ brackets for unistruts	RP branding	RP brand motif + Department logo
RP - M5	DBCA	MANAGEMENT SIGN	Pedestrians	Management sign - Key issue / requirement specific	MILD STEEL	Freestanding	RPF 4.3 OR Unistruts on reverse mounted on to galvanized poles with caps	M5: 800x600	ALUMINIUM	with spacers OR w/ brackets for unistruts	RP branding	RP brand motif + Department logo

## Visitor Risk Signs and Sign Frames

NO	AUTHORITY / APPROVAL	SIGN TITLE	AUDIENCE	SIGN CONTENT (COPY)	SIGN FRAME MATERIAL	SIGN FRAME DETAILS	SIGN FRAME	SIGN SIZE (MM)	SIGN MATERIAL	FIXING METHOD	COLOUR	LOGOS / CORPORATE IDENTITIES
RP-R	DBCA - VRM	VISITOR RISK SIGN	Pedestrians	As per Hazard Risk Manual	MILD STEEL	Freestanding	existing	R1: 400x300	ALUMINIUM	with spacers	as in Hazard Risk Manual	Department logo
RP-R1 RP-R3 RP-R4	DBCA - VRM	VISITOR RISK SIGN	Pedestrian / Vehicle *	As per Hazard Risk Manual	ALUMINIUM	Freestanding	Unistruts on reverse mounted on to galvanized poles with caps as per Hazard Risk Manual	R1: 400x300, R3: 600x450, R4: 800x600	ALUMINIUM	with brackets for unistruts	as in Hazard Risk Manual	Department logo

NOTE: ALL FRAMES ARE MEANT TO BE S/S ONLY

## Interpretive Signs and Sign Frames

## Regional Parks Sign List

NO	AUTHORITY / APPROVAL	SIGN TITLE	AUDIENCE	SIGN CONTENT (COPY)	SIGN FRAME MATERIAL	SIGN FRAME DETAILS	SIGN FRAME	SIGN SIZE (MM)	SIGN MATERIAL	FIXING METHOD	COLOUR	LOGOS / CORPORATE IDENTITIES
RP IP-1	DBCA	TRAILSIDE / INTERPRETIVE SIGN	Pedestrians	Sign Specific Copy to be developed (site specific) and supplied to Design Studio w/ accompanying imagery/artwork	MILD STEEL	Freestanding	RPF 4.1 or PG31 inclined	IP-1: 400x300	ALUMINIUM	w/ spacers	RP branding	RP brand motif + Department logo
RP IP-2	DBCA	TRAILSIDE / INTERPRETIVE SIGN	Pedestrians	Sign Specific Copy to be developed (site specific) and supplied to Design Studio w/ accompanying imagery/artwork	MILD STEEL	Freestanding	RPF 4.2 or PG32 inclined	IP-2: 600x450	ALUMINIUM	w/ spacers	RP branding	RP brand motif + Department logo
RP IP-3	DBCA	TRAILSIDE / TRAILHEAD / INTERPRETIVE SIGN	Pedestrians	Sign Specific Copy to be developed (site specific) and supplied to Design Studio w/ accompanying imagery/artwork	MILD STEEL	Freestanding	RPF 4.3 or PG33 inclined	IP-3: 800x600	ALUMINIUM	w/ spacers	RP branding	RP brand motif + Department logo
RP IP-5	DBCA	TRAILHEAD / INTERPRETIVE SIGN	Pedestrians	Sign Specific Copy to be developed (site specific) and supplied to Design Studio w/ accompanying imagery/artwork	MILD STEEL	Freestanding	RPF 4.5 or PG36 inclined	IP-5: 1600x600	ALUMINIUM	w/ spacers	RP branding	RP brand motif + Department logo
RP IP-4 ~	DBCA	INTERPRETIVE SIGN	Pedestrians	Sign Specific Copy to be developed (site specific) and supplied to Design Studio w/ accompanying imagery/artwork	MILD STEEL	Freestanding	PG35 plaza	2 x IP-4: 900x1200	ALUMINIUM	w/ spacers	RP branding	RP brand motif + Department logo

NOTE: ALL FRAMES ARE MEANT TO BE S/S ONLY ~ Except RP IP-4 which can be D/S

## Sign orders and installation

### Process

The Regional Park signs are not D.I.Y signs. The sign plates are designed by the Design Studio to meet Corporate standards and the sign frames are to be manufactured by professional sign manufacturers to the specifications outlined in this manual.

The ordering and production process differs according to the sign type. It is important that you read the following AND refer to the relevant section for details relating to each sign type.

#### 1. Sign frame orders

All sign frames and vinyl wraps must be ordered through the Design Studio using the correct order form. It is recommended that sign frames be ordered first before the vinyl wrap to ensure it is the best fit.

All vinyl wraps for existing sign structures must also be ordered through the Design Studio. In the case of vinyl wrapping an existing structure, check the frame measurements on site and record dimensions exact to the millimetre on the order form. Incomplete order forms will not be processed within the Design Studio.

#### Manufacture Supervision

Inspect signs and structures in the workshop after manufacture but prior to acceptance. Any damage must be brought to the attention of the manufacturer as soon as possible, and replacements must be ordered if necessary.

#### 2. Sign plate orders

(for sign plates attached to poles or frames without vinyl wrap)

- Main Roads signs (RP-MRWA 1, RP-MRWA 2) - order through Main Roads WA.
- Symbols (150 x 150mm; 250 x 250mm) - order directly from preferred sign suppliers: Jason Signmakers / Compac Marketing.
- Visitor Orientation, Management and Visitor Risk signs - submit an order form to the Design Studio Coordinator.
- Interpretation signs - contact the Interpretation, Marketing and EMedia Unit Coordinator for guidance on developing your interpretation signs. When you are ready to order the signs then send the completed IP-5 Interpretation Order Form with all digital content (text, images, graphics, logos) to the Design Studio Coordinator.

#### Order forms

Use the correct order forms when ordering signs and remember to include any measurements that are not standard as set out in this manual. Refer to the Key Resources Folder/Page or contact the Design Studio Coordinator for a copy of the correct order form.

## Sign orders and installation

### Process

#### 3. Pre-production Approval

For all orders that go through the Design Studio, the Regional Manager will be provided with an Expense Sheet (Quote) and Approval Form. All sign orders must be authorised by the Regional Parks Manager before the signs go to production. If you are not a staff member with the department and would like to install signs in accordance with standards outlined in this manual, please contact the Design Studio Coordinator to obtain a copy of our easy-to-use templates.

#### 4. Sign plate delivery and quality control

The warranty for damage and defects has an expiry date, so check your completed signs for damage or flaws as soon as they are delivered. This is especially important if there is a delay in installing them and they are to be stored in the meantime. Report any damages and defects with photographic evidence and relevant job numbers (refer to approval forms) to the Design Studio Coordinator or with relevant quote numbers to the sign company (for direct orders).

#### 5. Frame and Sign plate installation

Refer to your sign plan to ensure signs are placed in the correct location and correct orientation. Refer to drawings in this manual for details of installation standards (e.g. heights and footings).

#### Site clearance

Prior to installation, it is important that you have checked the proposed location for each sign to ensure it is suitable, i.e. check for underground or overhead services, land tenure, and where necessary gain approvals from local government or Main Roads WA.

#### Installation by manufacturer

Provide clear instructions, plans and drawings to the sign manufacturer if they are installing the signs. Ensure access is arranged for them. Ideally have a Regional Parks Unit staff member on site to supervise installation of the signs to ensure correct placement, height and material requirements.

Check off all frames and signs after installation promptly in order to assess condition prior to any potential tampering. If a defect or damage is found, take photographs. Put in a report on the defect with appropriate supporting documentation with the Design Studio (if ordered through them) or the manufacturer (if ordered directly).

## Sign orders and installation

### Wayfinding Signs RP - MRWA

State roads, consisting of freeways, highways and other major roads, provide a key link for motorists accessing tourist attractions throughout the State. These tourist attractions will either have direct connection to a State road, or will be accessed via a local government road which in turn directly or indirectly connects with a State road.

#### **RP-MRWA 1 and RP-MRWA 2**

In 2003, Main Roads WA approved the directional signs RP-MRWA 1 and RP-MRWA 2, which marry the Main Roads sign guidelines with the Regional Parks sign system. In Policy and Application Guidelines - Tourist and Service Signs in Western Australia (Main Roads WA, Oct 2016), RP-MRWA 1 and RP-MRWA 2 are classed as Tourist Feature signs.

Tourist features are primarily based on natural attractions and include national parks, scenic lookouts, waterfalls, rock formations, caves, dams, etc. and where applicable, are operated by a State-owned entity on a non-commercial basis.

#### **Sign Type and Placement**

RP-MRWA 1 is a chevron direction sign that has been designed for use on State roads at or directly opposite the point of entry to a Regional Park. It combines the park name and branding with a direction and distance to a specific site or tourist feature within the Regional Park.

RP-MRWA 2 is a fingerboard sign for use where the point of entry to a site or tourist feature is accessed via a local government road.

#### **Responsibilities for Tourist Feature Signs**

##### **Signs on State Roads**

The cost of installing and maintaining signage on State roads shall be met by Main Roads. Main Roads shall be responsible for carrying out the installation and maintenance of signs on State roads, and retains ownership of the signs.

##### **Signs on local government roads**

The cost and task of installing and maintaining signage on local government roads shall be met by the LGA. The LGA is responsible for carrying out the installation and maintenance of signs on local government roads, and retains ownership of the signs.

## Sign orders and installation

### Wayfinding Signs RP - MRWA 2

When a RP-MRWA 1 or RP-MRWA 2 is required, the following steps should be followed:

#### Step 1

Identify the type of sign and preferred location on a sign plan, and have that approved by the department's Regional Parks Manager as part of the departmental sign planning process.

#### Step 2

Apply for the new or replacement sign directly to the LGA responsible for the municipality in which the Regional Park is located. Applications forwarded directly to Main Roads will be redirected to the LGA. In the application include details of the park branding appropriate to that Regional Park i.e. a full colour copy of the relevant sign drawings from the Regional Parks sign manual, colour specifications and motif specifications. For RP-MRWA 1, include motif size, which depends on the speed limit of the road. Two motif sizes are available (300mm<sup>2</sup> or 500mm<sup>2</sup>).

#### Step 3

Following assessment by the LGA, a written application shall be forwarded, (by either the LGA or applicant directly), to Main Roads' Traffic Technical Services Manager in the Perth metropolitan area, or to the appropriate Regional Manager in regional areas. The application shall include a written statement from the LGA confirming that the application has been assessed as meeting the relevant conditions for signing and that it complies with tourist signage.

Note: An LGA application can take 3 to 8 weeks depending upon the council meeting dates and size of the agenda.

#### Step 4

Liaise with the LGA and/or Main Roads to confirm sign approval and the production process. This may require the department to order the sign directly from the Main Roads approved sign manufacturer.

#### Step 5

Determine a schedule for installation by Main Roads. Regional Park staff to check and sign off the sign as part of the project management process after installation.

## Sign orders and installation

### Ordering Management Signs

All management signs must be ordered through the Design Studio and must comply with departmental standards.

#### Step 1

Identify the management issues with the park. Do not address more than one management issue on a sign. Keep your messages simple.

**NOTE:** The Design Studio has copies of management signs previously produced and can pass on examples to assist with wording and symbols appropriate to specific topics/issues.

#### Step 2

Identify other components of the layout such as a suitable illustration and employ the use of symbols, where possible, so the gist of the sign content can be understood by a visitor who's first language isn't English. Illustrations and/or photographs provide a visual impact to signage and attract the viewer's eye. Ensure they support your content copy.

#### Step 3

Any job submitted must use the M3-8 Management Sign Order Form and include pre-approved text and graphic elements to the Design Studio's minimum specifications. The Design Studio Coordinator will then assign it to a designer in-house.

#### Step 4

When the draft layout is designed, it will be sent back to the originating officer for comment or approval along with associated costs for production of the sign plate.

#### Step 5

Once the layout is approved, the final design is sent back to the originating officer for sign-off along with appropriate documentation to initiate production.

#### Departmental Standards for sign layout

They follow the 1/3rd principle design rule for sign layout and therefore have set word limits for each type of sign plate size as listed below.

Sign plate size in mm	Word limits
400 x 300	60 words
600 x 450	80 words
800 x 600	150 words

#### Installation of signs

Refer to the Installing sign plates page for more information.

#### Installation Safety Procedures

All regional park safety procedures as set by the department are to be observed during installation procedures.

## Sign orders and installation

### Ordering Risk Signs

All risk signs **must be** ordered through the Design Studio and **must comply** with the department's Hazard Sign Manual. They **must** also be **approved by the Visitor Risk Management (VRM) Coordinator** as part of this process. They must adhere departmental standards for sign layouts, refer to the previous page for word limits.

#### Step 1

All visitor risk copy (text) is site-specific. Identify the information that your risk sign needs to convey and send a draft risk sign copy to the Design Studio where it will be designed to meet the department's standards. All orders for risk signs must use the R1-R8 Risk Hazard Order Form. Refer to Key Resources Folder/Page for more information.

The Danger symbol and word is red cast vinyl-cut lettering. The text is black and the symbols (depicting the risk) are black on yellow, digitally printed onto Class 2 Reflective white cast vinyl as outlined in the Hazard Sign Manual.

**NOTE:** The Design Studio has copies of risk signs previously produced and can pass on examples to assist with wording and symbols appropriate to specific risks.

#### Step 2

The draft design is then submitted to the VRM Coordinator for comment/approval and recommended changes are made if necessary.

**All risk signs must be approved by the VRM Coordinator via the department's Design Studio prior to print production.**

#### Step 3

Once approval is gained, the final design is sent back to the originating officer for sign-off along with appropriate documentation to initiate production.

#### Installation of signs

**All risk signage is to be mounted with unistruts and brackets onto galvanised poles** in accordance with the guidelines set in the department's Hazard Sign Manual.

**If a new sign is to be mounted onto an existing structure, approval must be obtained from the department's VRM Coordinator prior to production.**

#### Installation Safety Procedures

All regional park safety procedures as set by the department are to be observed during installation procedures.

## Sign orders and installation

### Ordering Interpretive Signs

Interpretation signs inform, entertain and inspire visitors about natural and cultural values and experiences. They are designed to provoke visitor's thoughts and feelings in a way that relates to the visitor's lifestyle and life experiences.

Interpretation is an art that requires professional consultation, planning, design and evaluation. Staff from the Interpretation, Marketing and EMedia Unit can assist you with sign planning, including the selection, sequencing and placement of the interpretive signs, and with content development.

#### **STEP 1**

Check if an interpretation plan or designs for interpretive signs relevant to your park already exist.

#### **STEP 2**

Prepare an analysis of the sites, stories, visitors and issues to be addressed by interpretive signs. Contact the Interpretation, Marketing and eMedia Unit Coordinator for guidance.

#### **STEP 3**

Identify specific site and story opportunities and choose suitable interpretive sign installations and templates to tell those stories from the Sign List.

#### **STEP 4**

Draft the copy (text) to suit the templates and stories selected (i.e. consider style and word count) and gather high quality, digital graphics (photographs or artwork). If you are including artwork, prepare an art brief for the artist, for example by providing them with appropriate photographs of park features and wildlife.

#### **STEP 5**

Send a draft copy to the department's Interpretation, Marketing and eMedia Unit Coordinator for review, editing and approval. Any job submitted must use the IP1-5 Interpretive Sign Order Form and include pre-approved text (word limits observed) and other graphic elements to the Design Studio's minimum specifications.

#### **STEP 6**

Provide cost codes to the Design Studio on the correct order forms.

## Sign orders and installation

### Ordering Interpretive Signs

#### Departmental Standards for sign layout

All sign layout must follow the 1/3rd principle design rule and therefore have set word limits for each type of sign plate size as listed below.

Sign plate size in mm	Word limits
400 x 300	60 words
600 x 450	80 words
800 x 600	150 words
900 x 1200	250 words
1600 x 600	300 words

#### Timeframe for Interpretation Signs

These signs require a much longer period for content development and graphic design, and have an earlier Design Studio deadline in the financial year than other types of signs. So, allow plenty of time for stakeholder consultation and content development and approval.

**Note:** For signs to be produced and paid for within a financial year, these jobs need to be logged in with the Interpretation, eMedia and Marketing Unit Coordinator by no later than the end of January.

#### Sign-free zones

Signs are one method of interpreting a site and sharing stories with visitors, however some sites speak for themselves. We do not have to physically interpret everything and we should aim to create a range of experiences including areas that are sign-free.

#### Other methods

Signs are not the only interpretive medium available to you. Other methods of communicating park values such as digital and print media or guided interpretive activities may be more appropriate or effective for your situation than a static sign display.

For advice and guidance on communication options, and the planning and development of interpretive facilities and services, please contact the department's Interpretation, eMedia and Marketing Unit Coordinator.

## Sign installation

### Installing sign plates

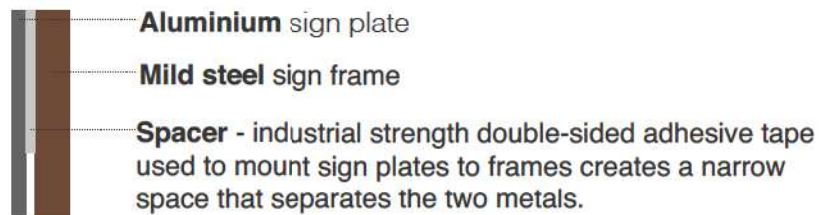
Sign plates mounted onto RPF Series 4/5 **must** employ the use of spacers. Aluminium sign plates can react with the mild steel frame if in direct contact and over time this quickens the deterioration of the sign frame and shortens its life span. See images of sign frame damages over time.



#### Recommended process to prevent contact between the two metals

If the mild steel surface is brand new then it should be easy to clean and attach the sign plate. If the surface is already rusted then remove the rust with a wire brush and either clean with methylated spirits OR paint with a rust-destroying primer.

The aluminium sign plate can then be attached using the double-sided tape, which will prevent the two surfaces from touching. The rust will form around the tape but not between the tape and the backing plate, so it should remain secure for a long time.



If installing using galvanised poles with caps, ensure that the sign plates are ordered with appropriate number of unistruts on reverse, order the correct number of brackets and poles for the respective size. Ensure the sign is mounted at optimal height (base of the sign to be 650mm from the ground) for ease of readability of sign.

#### Installation Safety Procedures

All regional park safety procedures as set by the department are to be observed during installation procedures.

## Sign installation

### Installing vinyl wraps

#### **Installation of vinyl wrap**

Vinyl wrap installation is a two-person task and if undertaken by department staff, must be done under the supervision and direction of a Regional Parks Operations staff member, who has had considerable experience in the vinyl wrapping process.

For more tips on the process of installing a vinyl wrap, a 'step-by-step guide to installing vinyl wraps' is available in your KEy Resource folder.

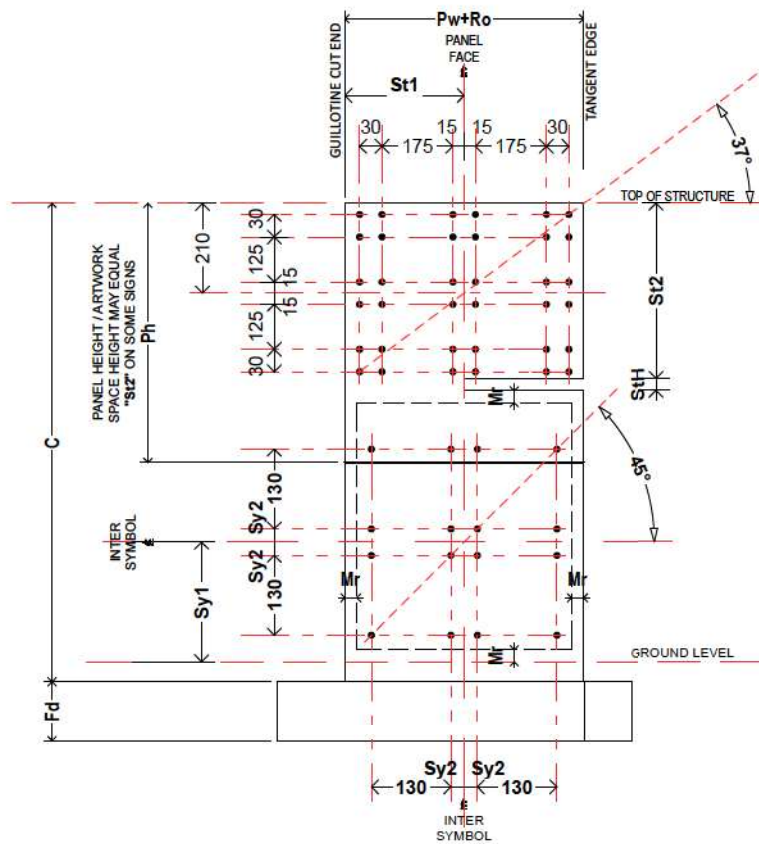
Alternatively the sign company can install the vinyl wraps on site (a quote must include and itemize this additional cost) This is a preferred option due the warranties that accompany a professionally installed product. Refer to the section on Vinyl Wraps.

#### **Installation Safety Procedures**

All regional park safety procedures as set by the department are to be observed during installation procedures.

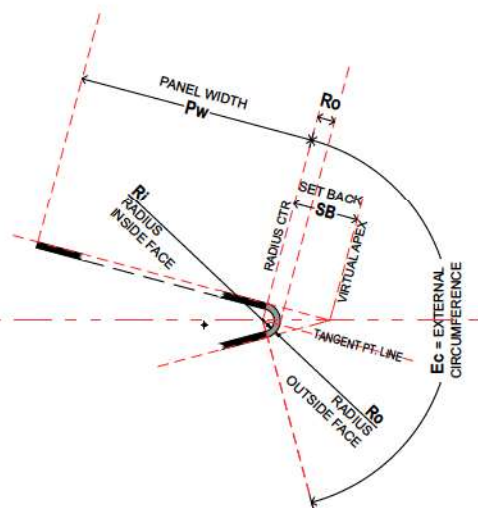
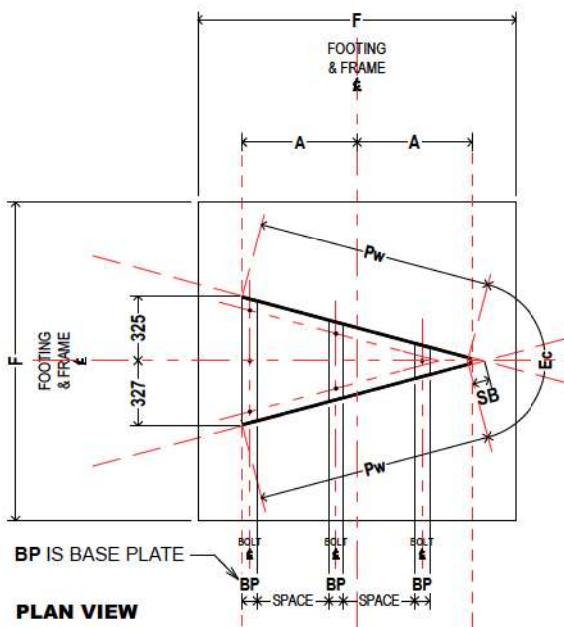
## Sign Frames

## Glossary of terms and measurements



## LEGEND

- A** HALF OVERALL HORIZONTAL WIDTH.  
IS OVERALL PLAN WIDTH & IS GREATER THAN "Pw" (EQUALS HALF Pw+Ro)
- B** HALF OVERALL HORIZONTAL BREADTH  
IS OVERALL PLAN BREADTH
- Aaw** HALF OVERALL HORIZONTAL INTENDED SIGN WIDTH.  
APPLIES TO "SERIES 4" FRAMES ONLY AND IS OVERALL PLAN WIDTH BEING GREATER THAN "Pw" (EQUALS HALF Pw+Ro)
- Baw** HALF OVERALL INTENDED SIGN BREADTH.  
APPLIES TO "SERIES 4" FRAMES ONLY AND IS OVERALL SIGN / ARTWORK BREADTH MEASURED ALONG THE INCLINED FACE ANGLE BASE PLATE
- BP** BRACE or STIFFENER PLATE OVERALL HEIGHT
- Br1** BRACE or STIFFENER PLATE BASE WIDTH  
MUST FIT ONTO BASE PLATE
- C** OVERALL HEIGHT - BASE TO TOP
- Ec** EXTERNAL FACE CIRCUMFERENCE
- EQ** MEANS EQUAL  
APPLIED TO DIMENSION LINES AND IS RESTRICTED TO THE SAME LINE MEANING THEY ARE EQUAL TO EACH OTHER ADDING UP TO THE OVERALL DIMENSION OR TO SIMPLY AFFIRM EQUAL SPACING ABOUT A GIVEN CENTRE-LINE OR POINT.
- F** FOOTING DIMENSION IF ARE ALL SAME
- F1** FOOTING DIMENSION SIDE 1
- F2** FOOTING DIMENSION SIDE 2
- Fd** FOOTING DEPTH
- Mr** MARGIN - ARTWORK SPACE TO EDGES
- Ph** REQUIRED GRAPHICS PANEL HEIGHT
- Pw** REQUIRED GRAPHICS PANEL WIDTH
- Ri** RADIUS INSIDE FACE OF BEND
- R1** RADIUS AT BASE INSIDE FACE OF BEND  
REFER TO "SERIES 4" FRAMES
- R2** RADIUS AT TOP INSIDE FACE OF BEND  
REFER TO "SERIES 4" FRAMES
- Ro** RADIUS OUTSIDE FACE OF BEND
- SB** SETBACK USED FOR BENDING SETUP
- St1** CUT EDGE TO SLOT
- St2** TOP OF FRAME DOWN TO SLOT
- StH** SLOT HEIGHT
- Sy1** CENTERING DIMENSION FOR SYMBOLS
- Sy2** GAP BETWEEN SYMBOLS
- T** THICKNESS OF MATERIAL
- VRM1** HORIZONTAL HOLE CENTRES.  
FITS STD "VISITOR RISK MANAGEMENT" SIGN PLATE - REFER TO "SERIES 3" FRAMES
- VRM2** VERTICAL HOLE CENTRES  
FITS STD "VISITOR RISK MANAGEMENT" SIGN PLATE - REFER TO "SERIES 3" FRAMES

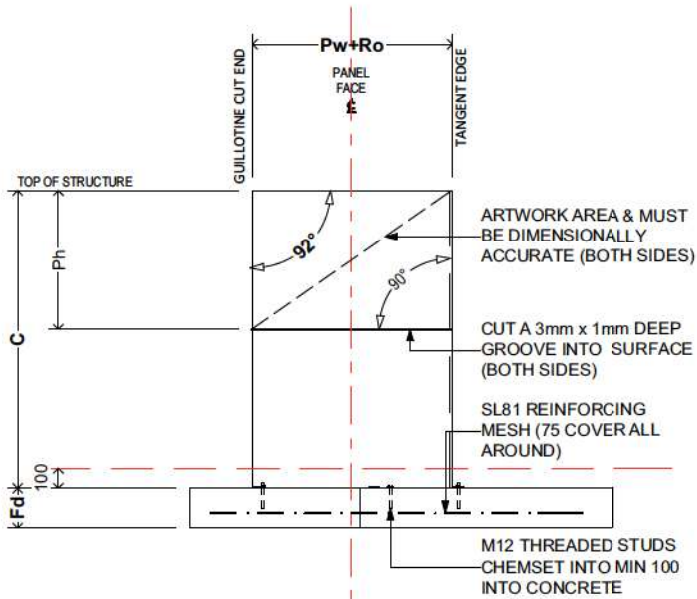




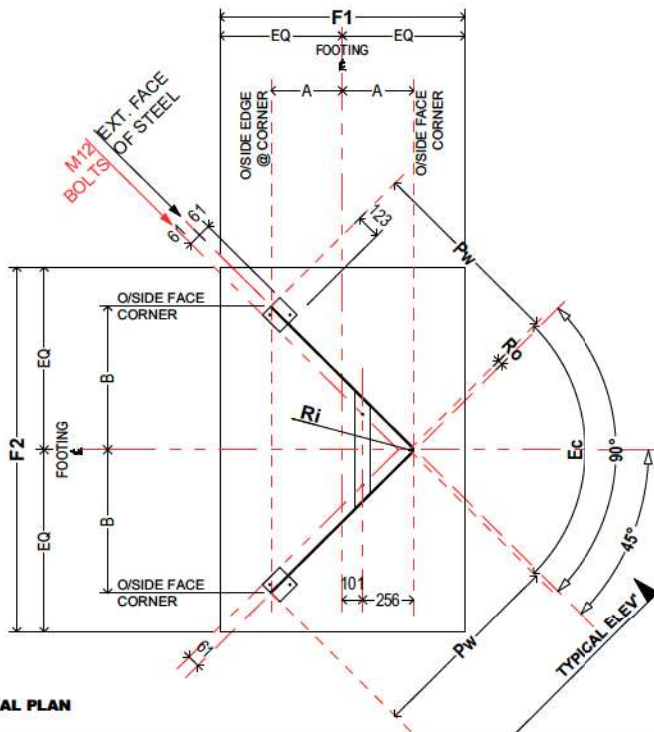
1 = BLANK = TOTAL UNFURLED LENGTH BEFORE BENDING. INCLUDES EXTRA TOLERANCE FOR BENDING DISTORTION AT "Ed". MUST SHIFT ERRORS TO TOE OF BASE PLATE.  
2 = SYMBOL SIGNS = HOLE POSITIONS FOR SYMBOL SIGNS BASED ON A STD 150x150 PLAQUE WITH A 4.5mm HOLE IN EACH CORNER OFF SET 65mm FROM PLAQUE CENTRE LINES.  
3 = SLOT POSITION = SLOTS END EXTENDS TO HALF THE OVERALL WIDTH MEASURED AS "PwRo" ABOVE.  
4 = RADI = RADIUS TO OUTSIDE FACE (Ro) IS THEORETICAL & VARIES DUE TO DISTORTION CAUSED BY BENDING & IS NON-CONCENTRIC WITH INNER RADIUS (Ri).  
5 = SETBK (=SETBACK) = STANDARD OFF-SET FROM BEND CENTRE TO NOTIONAL APEX WHERE THE OUTSIDE FACE PLANES MEET. (VARIED BY DESIGN IF RADIUS & MATERIAL THICKNESS CHANGES).

## Sign Frames

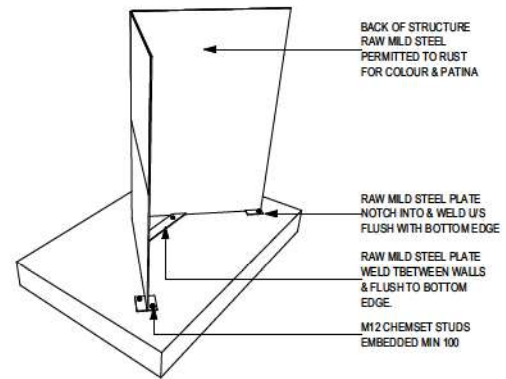
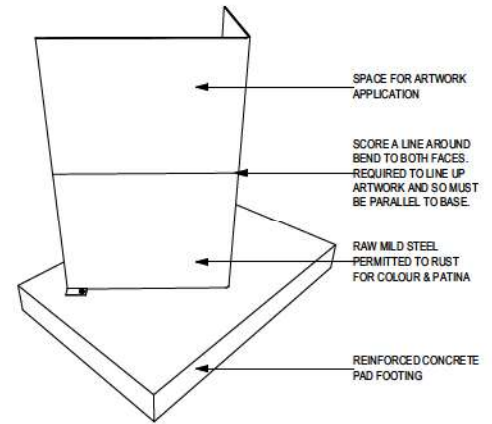
## RPF Series 2



TYPICAL ELEVATION



TYPICAL PLAN



**NOTE:**  
Sign frames must be oriented in a manner such that the bullnose or bend in steel is facing the road/path.

RPF2.5	1200	700	2394	421	849	1500	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	N/A	9	15	15	1600	1600	200	SERIES 2 FOLD: PARALLEL TO "C" DIMENSION FOLD BLANK IN HALF MAKING THE REQUIRED 90° ANGLE. DIMENSIONS "A" & "B" CHECKS FOLD
RPF2.4	1000	700	1994	350	707	1500	N/A	N/A	700	N/A	N/A	N/A	6	N/A	N/A	9	15	15	1400	1400	200	
RPF2.3	800	1200	1594	280	566	1900	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	N/A	9	15	15	950	1450	200	
RPF2.2	600	600	1194	209	424	1200	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	N/A	9	15	15	700	1100	200	
RPF2.1	500	450	994	174	354	1000	N/A	225	35	N/A	N/A	N/A	6	N/A	N/A	9	15	15	600	900	200	
	Pw+Ro	Ph	2Pw+Ec	A	B	C	Mr	Sy1	Sy2	St1	St2	StH	T	VRM1	VRM2	Ri	Ro	SB	F1	F2	Fd	
	ART PANEL SPACE	BLANK 1	TO "F" CTR LINES	O/A HL	MARGIN	SYMBOL SIGNS <sup>2</sup>	SLOT POSITION <sup>3</sup>	SLOT HL	PLATE	STD PLAQUE						RADII <sup>4</sup>	SETBK <sup>5</sup>	FOOTING	DEPTH			

1 = BLANK

2 = SYMBOL SIGNS

3 = SLOT POSITION

4 = RADII

5 = SETBK (=SETBACK)

= TOTAL UNFURLED LENGTH BEFORE BENDING. INCLUDES EXTRA TOLERANCE FOR BENDING DISTORTION AT "Ec". MUST SHIFT ERRORS TO TOE OF BASE PLATE.

= HOLE POSITIONS FOR SYMBOL SIGNS BASED ON A STD 150x150 PLAQUE WITH A 4.5mm HOLE IN EACH CORNER OFF SET 65mm FROM PLAQUE CENTRE LINES.

= SLOT'S END. EXTENDS TO HALF THE OVERALL WIDTH MEASURED AS "Pw+Ro" ABOVE.

= RADIUS TO OUTSIDE FACE (Ro) IS THEORETICAL &amp; VARIES DUE TO DISTORTION CAUSED BY BENDING &amp; IS NON-CONCENTRIC WITH INNER RADIUS (Ri).

= STANDARD OFF-SET FROM BEND CENTRE TO NOTIONAL APEX WHERE THE OUTSIDE FACE PLANES MEET. (VARIED BY DESIGN IF RADIUS &amp; MATERIAL THICKNESS CHANGES).

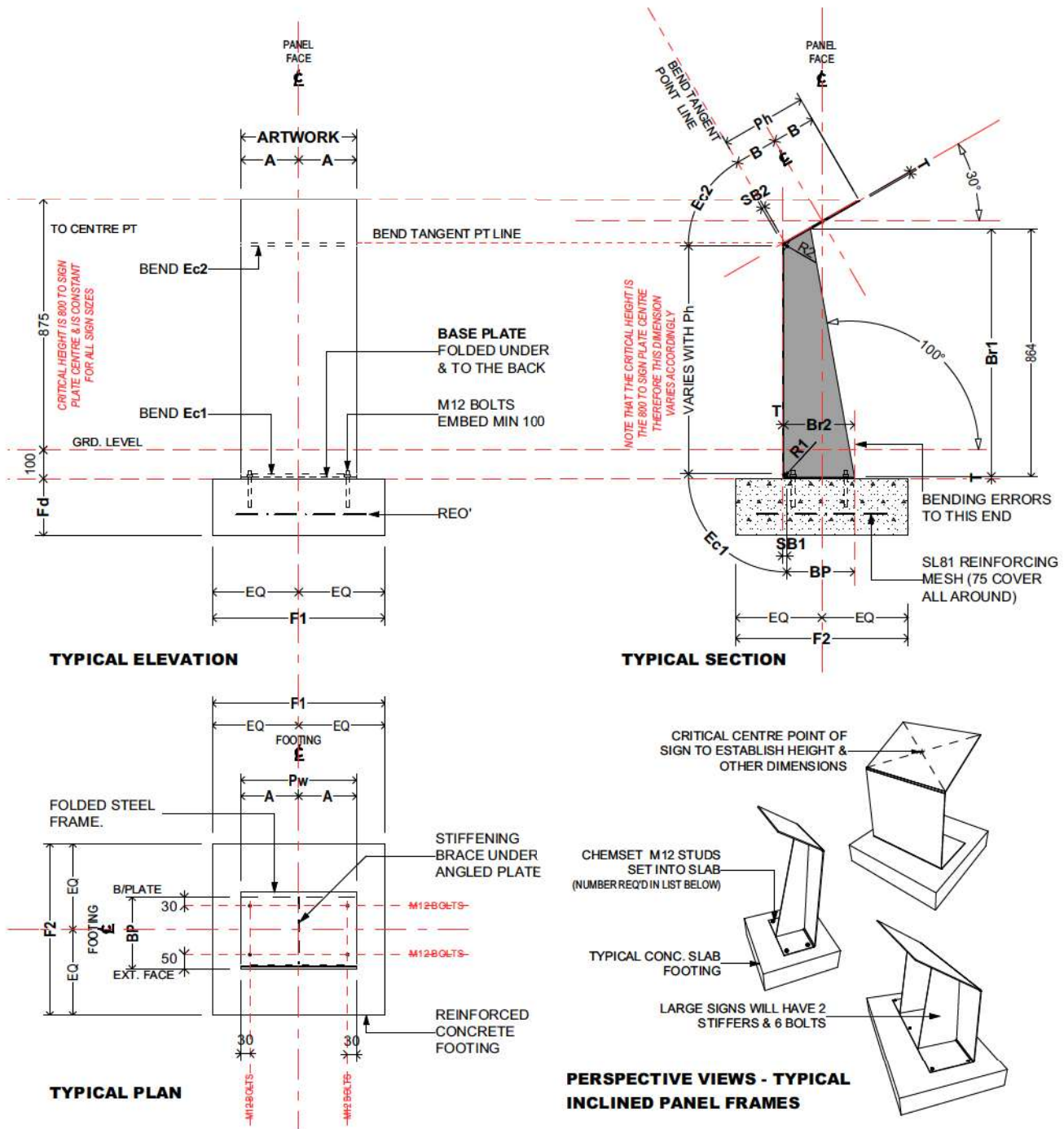


*Orientation of sign frames for RPF Series 3 must be determined at sign planning stage. This consequently determines sign design layout and vinyl wrapping procedure.*

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## Sign Frames

RPF Series 4

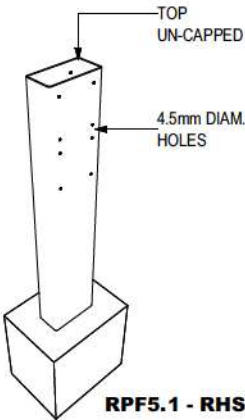
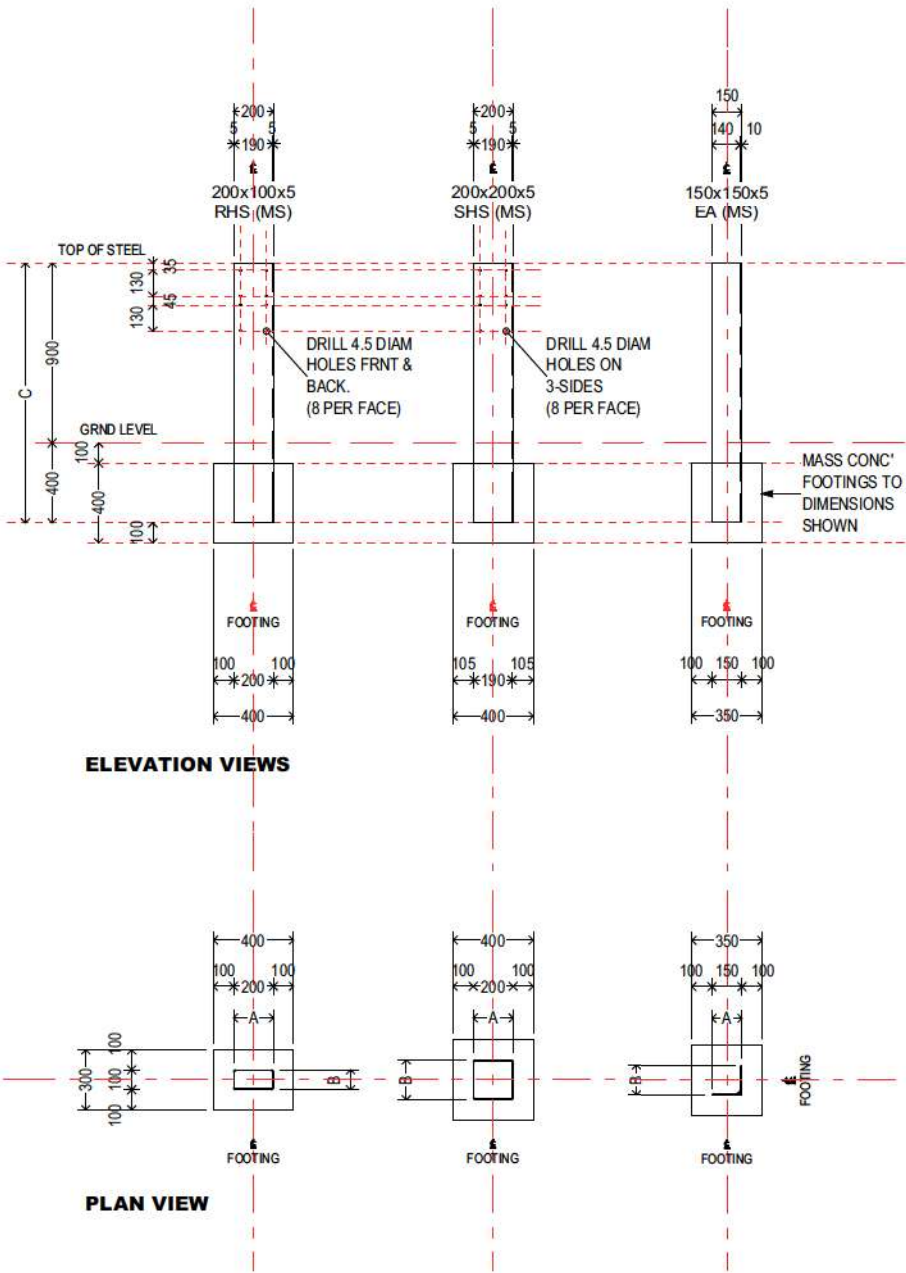


RPF4.5	1600	600	1787	800	300	440	877	425	6	1800	1000	200	15	9	9	15	9
RPF4.3	800	600	1787	400	300	440	877	425	6	1000	1000	200	15	9	9	15	9
RPF4.2	600	450	~1500	300	225	345	864	244	6	800	600	200	15	9	9	15	9
RPF4.1	400	300	1372	200	150	250	864	244	6	600	600	200	15	9	9	15	9
	Pw <sup>1</sup>	Ph	W+EC1+H+EC2+2B	A	B <sup>3</sup>	BP	Br1	Br2	T	F1	F2	Fd	Ro	Ri1	Ri2	SB1	SB2
	ART/WRK O/A	BLANK LENGTH <sup>2</sup>		TO "F" CTR LINES	WIDTH	BRACE (STIFFENER)	PLATE			FOOTING			RAD O/S <sup>4</sup>	RAD INSIDE		SETBACKS <sup>5</sup>	

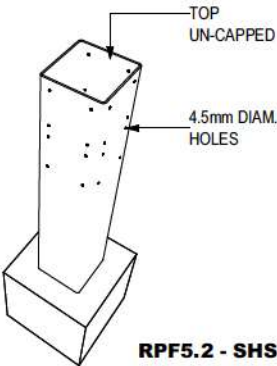
- 1 = Pw  
2 = BLANK LENGTH  
3 = B  
4 = RAD O/S  
5 = SETBACK
- = PANEL WIDTH FOR ARTWORK & IS LENGTH OF SIGN MEASURED ACROSS THE FRONT. TOLERANCE MUST NOT BE LESS THAN THAT GIVEN TO ENSURE THAT SIGNS FIT.  
= TOTAL UNFURLED LENGTH BEFORE BENDS. INCLUDES EXTRA TOLERANCE FOR BENDING DISTORTION AT "Ec". SHIFT ERRORS TO TOE OF BASE PLATE.  
= NOT GIVEN ON THE PLAN, REFER TO THE SECTION. "A" & "B" CENTRES THE ARTWORK SPACE OVER THE FOOTING.  
= RADIUS TO OUTSIDE FACE (THEORETICAL) VARIES DUE TO DISTORTION CAUSED BY BENDING & IS NON-CONCENTRIC WITH INNER RADIUS (R INSIDE).  
= STANDARD OFF-SET FROM BEND CENTRE TO NOTIONAL APEX WHERE THE OUTSIDE FACE PLANES MEET. (VARIED BY DESIGN IF RADIUS & MATERIAL THICKNESS CHANGES).

Sign Frames

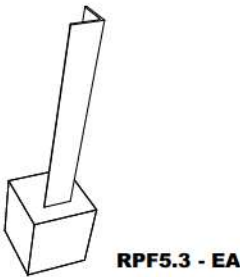
RPF Series 5



RPF5.1 - RHS



RPF5.2 - SHS



RPF5.3 - EA

Sign frame RPF 5.3 must be oriented in a manner such that the bullnose or bend in steel is facing the pedestrian path.

RPF5.3	150	150	1300	10	EA	EQUAL ANGLE	THESE POSTS ARE FABRICATED FROM STANDARD MILD STEEL SECTIONS. PREPARE THEM WITH HOLES WHERE NOTED. FINISH SHALL BE AN EVEN WEATHERED RUSTY FINISH. IF NOT USING BLACK STEEL THEN SAND BLAST TO REMOVE ANY COATING. AVOID ANY CONTAMINATION THAT MAY RETARD EVEN RUSTING. IF SECTION SIZE OR WALL THICKNESS UNAVAILABLE THEN USE THE NEXT SIZE UP.
RPF5.2	200	200	1300	5	SHS	SQUARE HOLLOW SECTION	
RPF5.1	200	100	1300	5	RHS	RECTANGULAR HOLLOW SECTION	
	A	B	C	T	ABR'V	SECTION TYPE	

## Sign Frames

### Preliminary Clauses

**When ordering sign frames directly through a sign company, all sign frame drawings must be supplied along with preliminary clauses, material specifications and if required, footing information as provided in this manual. For example, pages 50-53 in this manual must accompany a sign frame drawing at all times.**

#### **Proprietary Products/Consumable**

Materials referred to by their retail product name are indicative only and have been named because availability and performance is known. Equivalent products by other suppliers may be considered by the department; however, it is the supplier's responsibility to provide enough proof for the department to make the decision.

Where proprietary products are used in sign production the contractor shall strictly adhere to the manufacturer's instructions and specifications.

#### **Warranties**

Provide to the client all warranties covering the specified periods in this contract for all proprietary consumables and finishes required.

#### **Rejected supply**

If a delivered sign does not satisfy the requirements of these specifications then it may be rejected by the client and payment withheld until it is replaced or suitably repaired to the client's satisfaction by the contractor.

#### **Supply**

It is the contractor's responsibility that all delivered signs are fabricated to look the same as their respective visual images in this sign manual as well as meeting all specifications herein and guarantee work quality to have produced a robust result.

#### **Changes and Substitutions**

The client has successfully built these sign structures in the past and is satisfied that supply as specified is achievable. In the interest of consistency and branding, the client is not soliciting proposals for changes.

Proposed changes that are completely based on commercial preference will not be considered.

Submit, for department approval, any proposed change or alternative material prior to ordering such materials or commencement of any work that includes such change.

## Sign Frames

### Preliminary Clauses

#### **Instructions**

All instructions relating to the signs beyond those included in this sign manual should only be acted upon if in writing and signed by the client.

#### **Shop Drawings**

Other than drawings and specifications herein, there are no additional detailed drawings. Produce shop drawings interpreting the drawings, specifications and instructions accompanying the purchase order of any given sign.

Shop drawings shall be submitted for approval by the client.

Shop drawings shall allow for review, amendment and re-submission before purchasing materials for this contract or commencing fabrication. The client takes no responsibility for pre-purchased materials which shall remain the contractor's responsibility.

Any amendments to the shop drawings shall be indicated by a "cloud" and shall be recorded as a revision, listing date and brief description on a suitable place on the drawing.

## Sign Frames

### Material Specifications

#### **Alternative Materials**

Alternative materials are not recommended nor solicited.

If specified materials are inappropriate for the site location or there is a supply issue that may cause a failure to deliver on the contract the client may negotiate "alternative materials" provided approval processes are satisfied.

The contractor shall submit for written approval by the department any "alternative material" proposed for the signs prior to commencement of any work involving the use of that material. This applies even if an agreement has been negotiated; the appropriate approval process must be completed.

#### **Concrete**

All concrete shall comply with AS3600. Use only ordinary "Type A" Portland cement for concrete. Do not pour concrete in temperatures exceeding 38 degrees. Standard concrete mix shall be minimum 20MPa preferably "Ready-mix" delivered to site. Do not use additives.

The mixing of the concrete on-site, whether using raw materials or bagged "Dry-mix", shall be as per manufacturer's instructions provided on the cement or "Dry-mix" bags.

#### **Steel**

At minimum use a common G250 grade Mild Steel where steel is required. Other grades are acceptable but avoid mixing the grades in a sign. All steel used for Regional Parks signs shall be new mild-steel in a raw unprocessed form free from surface treatment, imperfections and defects including but not limited to oil stains, scratches and deformation.

In the finished sign product the steel will remain untreated, except as specified to accept graphics content and therefore shall be handled with care throughout the fabrication process.

Use rolled sections such as angles, square hollow sections (SHS) or Rectangular Hollow Sections (RHS) where there is an exact fit.

#### **Welds**

Welds shall comply with AS3679.1

Welds shall not be visible on the presentation faces of the sign and if necessary shall be suitably finished to match general surface appearance. All welds shall develop the full strength of members joined. Welds shall be minimum 6mm fillet welds or the thickness of thinnest material being joined.

## Sign Frames

### Footing

#### Footing Installation

Footing details and sizes are found in the relevant type of sign frame drawing.

#### Placement

Refer to landscape drawings or sign plans for sign locations. No vegetation shall be removed unless approved by the department.

If a footing placement conflicts with or compromises other existing site elements, including trees, the conflict shall immediately be referred to the client for further instruction. It is advised that double checking will be in the best interest of a favourable outcome.

Otherwise, where a footing is in conflict or within a constrained space then the decision to proceed shall consider the following:

- i. Will the larger part of the proposed footing's dimensioned shape and area be maintained?
- ii. Will no intended dimension be less than 70%?
- iii. Will the intrusion into the footing conflict the sign's base plate fixing bolts?
- iv. Will any intrusion compromise the minimum requirements (clearances) for cast-in base-plate holding-down assemblies?
- v. Ensure that the total volume of concrete, calculated from the detailed drawings, will still be provided and that the footing can be made deeper.

Locate each footing centrally under the sign.

#### Engineering

Footing sizes have been approved by a structural engineer and shall not be varied. Typical footings have been designed assuming Swan Coastal Bassendean sands. The boxed out preparation for all footings shall comply with 8 Blows per 300mm using a standard penetrometer calibrated for Swan Coastal Bassendean sands.

When preparations are unable to satisfy these requirements immediately inform the client for further instruction. Install all concrete footings in accordance with the relevant Australian Standards.

#### Reinforcement

Steel reinforcement to each footing shall be Y12-250EW as a minimum, with 75mm all around cover. Where proposed, check that cast-in "U-Bolts" or ferrel type anchors for sign installation, are accommodated by the minimum footing dimensions. If inadequate, enlarge the footing as required to achieve minimum 100mm edge clearances and reinforcement cover stated above.

## Sign Frames

### Maintenance

#### **Rusted Metal**

Installed Mild steel for the signs are specified to be in “as is” raw state. They are intended to rust naturally in the environment. Development of the desired patina will be a gradual process dependent upon weather conditions and the condition of the atmosphere.

Ensure that the surface is not compromised by substances or materials that will impede the process.

#### **Scratches in Metal**

Only remove if the message is offensive with a grinding machine in situ and allow fresh area of metal to rust naturally.

Otherwise allow rusting over in time. It is appropriate to the design of the signs to be allowed to carry a “wear and tear” look.

#### **Paint/marker Application**

Remove with solvent and thoroughly clean-off any residue.

#### **Painted Section**

Maintenance action is dependent upon the degree of damage or the content of damage e.g offensive language.

Once determined that the damage is severe enough for maintenance prepare the surface for the installation of a new vinyl wrap. Refer to the section on vinyl wraps.

#### **Self-Adhesive Lettering**

All damages to self-adhesive lettering will be treated with a new vinyl wrap to the sign structure.

#### **Anti - Graffiti coating**

In the event of heavy vandal attack to particular signs, or where repeated vandal attack occurs, anti-graffiti coatings can be applied to the sign plate.

A UV overlamine is applied to a vinyl wrap in lieu of anti - graffiti coating prior to install. Damages to these protective surfaces requires a new vinyl-wrap or new sign plate.

#### **Scratches in Aluminium**

Aluminium can be scratched. This cannot be removed but will not be highly evident due to solid colour of the material showing through.

Replace the complete sign when markings have become offensive or numerous.

## Sign Frames

### Maintenance

#### **Concrete**

Remove paint/marker graffiti: with solvent. Difficult marks can be removed with an air pressure solvent. To be completed by a professional company.

#### **Scratches in Concrete**

If required, sandblast to remove marks if offensive. Attempt to do a light blasting but will probably have to sand blast the whole area. To be completed by a professional company.

#### **Fixtures**

Any fixtures that are to be removed should be replaced as soon as possible with the same item as specified for that particular sign type.

If an existing sign structure has faced reasonable wear and tear and replacement is being considered, it may be possible and cheaper to only replace the sign face.

#### **Vinyl Wrap Proposition**

Vinyl wrapping is an application proposed for on-site repair to existing signs to avoid the cost complexity of sign removal and repair at a remote site before reinstallation.

New sign structures can also be vinyl wrapped. This will allow consistency in colour throughout a site, given the anomalies of digital printing.

## Vinyl Wrap

### Ordering

#### For an existing sign frame

- i. Use the correct order form when ordering a sign. Refer to the sign structure number RP - W xx when using order forms.
- ii. If ordering multiples of the same sign type, use the corresponding bulk order form. When using the bulk order form for that respective sign type, ensure you have noted the location of each sign and have a number associated that matches its location on the site map or sign plan.
- iii. Fill in the required information eg proposed wording.
- iv. Note accurate measurements (in precise millimetres) of the area to be covered by the vinyl wrap. This measurement needs to be done on site to ensure that the wrap takes into account the bend in the steel. Discrepancies can exist in the bend of the mild steel. Noting any of these discrepancies in measurements ensures that the new vinyl wrap accurately fits the existing structure. Double check your measurements to save the cost of reprinting.
- v. When ordering vinyl wraps for single-sided sign frames (RP-W 9B, 9C or 9D), the orientation of the sign frame must be determined during the sign planning stage. Ensure that the correct orientation is noted on the order form. This orientation determines the layout of the sign and will determine your vinyl wrapping process.

#### For a new sign frame

To ensure the new vinyl wrap accurately fits the new sign frame, the vinyl wrap must be ordered after the sign frame has been produced.

Order sign frame first through the sign company. Refer to section on Sign Frames for the detailed drawings and measurements of the different types of sign frames. Provide the drawing with exact dimensions highlighted to the sign company for the production of the sign frame.

Discrepancies can still exist between the measurements specified on the detailed drawing and the actual sign frame, once produced. To remeasure the new sign frame, follow the same procedure (as in step iv above) and record on the correct relevant sign order form.

#### In-house Production & Ordering Process

The Design Studio will design the layout and get quotes for the production. A package of layout and pricing will be sent to the district for approval prior to placing the order for production.

The final draft layout of the sign must be truthed on-site for accuracy and orientation.

## Vinyl Wrap

### Design and Production

Copy (text) for vinyl wraps may be through the department's in-house Design Studio or the LGA's approved Design Studio but must go through the department's in-house approval process before being sent to a sign company for printing.

Every vinyl wrap has two components to it: peelable backing sheet to protect the self-adhesive layer + digital print on cast vinyl with a UV overlaminate in lieu of a two-part anti-graffiti spray.

Every sign frame must be vinyl wrapped professionally, by either a sign company or sign (company recommended) installer. This is highly recommended due to the warranties that accompany a professionally installed product. Any flaws during an install process can then be rectified with no further expense to the department.

#### **Engaging contracted sign company (third party)**

The quote request will include an installation cost as a separate itemised component. Vinyl wrapss will be produced by the sign company and installed on site by the sign installer.

Prior arrangements must be made for the sign installer to meet with Regional Parks Operations staff on site. If multiple signs are to be vinyl wrapped, it is preferable that the Operations staff guide the installer through the process, to ensure the new vinyl is matched accurately to the sign frame is was originally designed for. This may involve a few hours in the day depending on the number of sign frames in a park getting refurbished.

Surface preparation work completed by the department staff will be subject to approval by the installer to ensure that warranty is not voided. See our Step-by-step Guide to Vinyl Wrapding to ensure that preparation work done on the existing sign frame is adequate and to prescribed standards.

## Vinyl Wrap

### Application

Vinyl wraps done by a contracted sign company or third party must be checked by Regional Park Operations staff **before payment**. Any issues must be recorded in a detailed report (including photographs). If the wrapping is unacceptable, it must be re-printed and re-wrapped at the contractor's expense.

Vinyl wrapping that doesn't fit to the edge or isn't trimmed neatly to the edge of a sign frame is not to the department's prescribed standards and must be documented in a report back to the sign company as well as the Design Studio.



#### Ensuring departmental standards:

All vinyl wrap layouts shall be produced by the department's Design Studio (or the LGA's nominated design studio using the department's templates) to ensure current standards with regard to lettering sizes, logos, colour and layout.

To order a vinyl wrap via the Design Studio, use the department's wayfinding sign order forms. If engaging an external design studio, contact the Design Studio Coordinator for more information and our easy-to-use templates.

## Purchasing Policy

### Step 1

The department currently has a Tender for all sign plate sizes listed in this manual. All sign plate orders that fall within this specification therefore, must come through the Design Studio.

### Step 2

All vinyl wraps for existing sign frames need to also come through the Design Studio. The Studio will obtain quotes for these jobs.

### Step 3

All new signs (vinyl wraps as well as sign frames), depending on quantities required, may require a written quote or even a Tender based on the department's purchasing policy. For more information or current advice, check with your regional admin staff member or the department's Procurement Manager, Goods and Services.

### Step 4

All new signs must be passed for workmanship and adherence to specifications by the Regional Parks Project Manager prior to their acceptance from the manufacturer. Regional Parks Operations Officer needs to be present during the installation of the sign structures on site.

### Step 5

Signs must only be stored in an appropriately secure place, not on site.

## Key Resources

### **Symbols**

Symbols to be used on any Regional Park sign frame or totem, must adhere to the department's standards as outlined in the following key documents:

- 2018 Regional Parks Symbol Index
- DBCA Risk Symbol Index

Using these guides and the correct reference numbers in them, staff can now order symbols directly from the nominated sign companies. Ensure that you order the correct size: 150x150mm for pedestrians, 250x250mm for vehicles.

The department has provided Jason Signmakers and Compac Marketing thertwork for ordering symbols for use in all regional parks within the Perth Metropolitan region.

### **Manuals and planning tools**

The department has, over time, developed, some effective information manuals and tools that may aid in sign planning and communicating with the visitors in Regional Parks. These include:

- Regional Parks Communication Strategy (2003)
- Interpretation plans for Regional Parks (2003) - for Herdsman Lake Regional Park, Canning River Regional Park and Yellagonga Regional Park
- 2015-Parks-Wildlife-Hazard-Manual\_1stRevision
- Sign Planning Exercise Workbook - Blank worksheets for each of the signs types are provided. These can be downloaded, printed out and used on site for on-ground sign planning exercises and truthing sign plans and sign layouts.

### **Sign Frames**

Regional Park sign frame drawings have been provided in this manual. However alternative (selective) sign frames from the department's sign system can be used:

- Sign frames drawings for PG31, PG32, PG33, PG35 and PG36

### **Design Studio Order Forms**

To log jobs into the Design Studio, download, complete and send in the correct order forms along with supporting material for sign design and layout.

- To order vinyl wraps for new or existing structures, use the Regional Parks Sign Order Form corresponding to the matching orientation sign type.
- To order sign plates for Risk, Management and Interpretive Signage, use the department's order forms based on the correct sign category.

## Other Communications

This manual provides guidelines for departmental standards in signage across all regional parks.

### **Publications**

All queries for print publications such as brochures, flyers, posters, booklets, invitations, stickers, banners etc. must be directed to the Public Information and Corporate Affairs Branch on (08) 9219 9814 or email [publishing@dbca.wa.gov.au](mailto:publishing@dbca.wa.gov.au)

Regional Park staff can access several helpful tools on the department's intranet page that assist in planning for publication requests prior to submitting a request.

### **Pre-visit information**

The department's [ExploreParks](#) page provides pre-visit information online, along with any relevant park brochures for download. It is important to check this information for relevance and edit, if required, for accuracy.

To update or modify any pre-visit information use the online form on the intranet or email [support@parksandwildlife.freshdesk.com](mailto:support@parksandwildlife.freshdesk.com)

## Confidentiality & Ownership

This document (together with any information made available to a manufacturer) is strictly confidential, it shall not be copied or distributed without approval from The Department of Biodiversity, Conservation and Attractions.

### **Department of Biodiversity, Conservation and Attractions Contacts**

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Cnr Australia II Drive and Hackett Drive, Crawley WA 6009  
Phone (08) 9442 0300. or email [regional.parks@dbca.wa.gov.au](mailto:regional.parks@dbca.wa.gov.au)

#### **Interpretation, Marketing and eMedia Unit Coordinator**

Visitor Communications and Marketing Branch,  
Parks and Visitor Services Division  
17 Dick Perry Avenue, Kensington WA 6151  
Phone (08) 9219 8580 or email [interpretation@dbca.wa.gov.au](mailto:interpretation@dbca.wa.gov.au)

#### **Design Studio Coordinator**

Public Information and Corporate Affairs Branch,  
Corporate and Business Services Division  
17 Dick Perry Avenue, Kensington WA 6151  
Phone (08) 9219 8578 or email [signstudio@dbca.wa.gov.au](mailto:signstudio@dbca.wa.gov.au)

#### **Recreation, Planning And Design Coordinator**

Parks and Visitor Services Division  
17 Dick Perry Avenue, Kensington WA 6151  
Phone (08) 9219 8420 or email [Nathan.Greenhill@dbca.wa.gov.au](mailto:Nathan.Greenhill@dbca.wa.gov.au)

## Appendix A

### Is a sign the answer?

Managing the high number of visitors to Regional Parks and providing information about the different natural features and facilities in each park is a challenge. Signs are a highly visible and effective tool in recreation management. This is an obvious way to help meet this challenge.

#### Advantages to using signs

Signs ...

- Create a sense of arrival (words and supporting structure)
- Provide for information and orientation
- Provide for safety
- Can help define a place
- Can help in managing a site and minimising visitor impact
- Can provide information close to the feature in question
- Help reduce staffing requirements
- Production and maintenance costs are relatively low
- Can be changed, updated or removed as needed
- Can enhance the visitor's experience and appreciation of a place
- Convey a positive image of the management agency when well designed, constructed and sited. This is where planning and standards come into play.

#### Other communication options

Signs are an effective management tool that aid in maximising the visitor experience and minimising visitor impact. Signs however, create visual impact and require expenditure and resources in their design, production, installation and maintenance. So, it is important to consider the variety of ways in which we can communicate with park visitors before, during and after they visit our parks, and select the most effective communication method. Communication planning is a tool that helps to determine the most effective methods for communicating with visitors, which include print, digital and face-to face methods. The department's Interpretation, Marketing and eMedia Unit provides guidance, support and resources for communication planning.

For communication options in Perth's Regional Parks, please refer to the Regional Parks Communication Strategy (2003) and the Communication Toolkit (PDF) prepared by the Interpretation, Marketing and eMedia Unit to consider the suite of methods available and options you might use with, or instead of, signs.

The Regional Parks Communication Strategy (2003) is a detailed document that was developed to promote the conservation and enjoyment of regional park values. Although some of the specific methods may be outdated, this strategy still provides useful information about park values and outlines a thematic approach to communicating with visitors within individual parks and across the park network.

## Appendix B

### Sign Planning

When signs are required in a park, then sign planning helps us to decide how and where to use them. The process of sign planning can be used to review and upgrade signs at an existing site, or plan for a completely new site. The following information is a step-by-step guide to developing a sign plan and using it to assist you with sign budgeting, ordering, installation and maintenance.

#### **Do I need a sign plan?**

This depends on the complexity of the project (i.e. size and complexity of project area, number of signs, range of sign types required). A sign plan should be prepared for all substantial sign purchasing and installation projects, for example, to install signs throughout the Point Peron area.

#### **1. Site description**

Undertake some preliminary desktop research to obtain an overview of the location and an understanding of park features and values. Gather useful maps of the site at different scales - big picture context and detailed site maps. This information will provide you with orientation to the site and context for your sign planning.

Conduct a site visit with Regional Parks staff, the Recreation, Planning and Design Unit staff, an Interpretation Officer and any other project staff to obtain a clear understanding of the site (natural and built features) and site issues, constraints and opportunities.

#### **2. Inventory and evaluation**

Existing signs provide additional information about a site use along with risks and issues. Undertake an inventory and evaluation of existing signs (content and position). Record your observations with photos, drawings and notes, then list a recommended action beside each sign (e.g. upgrade, update, replace, move, remove, retain).

#### **3. Needs assessment**

Identify visitor types (demographics, activities, site use, access, flow and impacts) to build a picture of your visitor profile and how they use the site. Talk to staff who service and manage the site, to obtain a good understanding about visitor risks and unsustainable activities or behaviours at the site. List all messages that need to be communicated at the site through the use of signs.

#### **4. Sign plan**

The sign plan is a document that recommends and describes a collection of signs at a site that are designed to meet the needs of users and park managers. It comprises two parts - a description of the signs (list) and a map showing the location of each sign.

**Appendix B****Sign Planning**

The sign list should include all of the identified messages being communicated on site through signs and provide details of sign type, structure, reference numbers (as per the Regional Parks manual) content, reason for use and any additional notes. TIP: keep the plan simple and visual and include photos of existing signs and drawings of new signs.

Give each sign a unique code and plot its location on a map or maps at different scales. If there are many signs at a site it can be helpful to distinguish between different types of signs in your plan using colours and/or symbols.

Work with district and project staff to fine tune the sign plan and then have it approved.

Note: If the site is a new development or redevelopment, then contact the Recreation, Planning and Design Unit to obtain a site masterplan that shows details of visitor access (roads, paths) and facilities. Use the site masterplan as the basis for your sign plan.

**5. Sign budget**

Use the approved sign plan to develop a detailed budget and have that approved.

Note: Decide if the sign manufacturer will be producing and installing the completed signs or manufacturing the signs only (i.e. Regional Parks staff will install the completed signs) as the first option will add costs to the sign budget.

Contact the Interpretation, Marketing and eMedia Unit Coordinator for advice on sign costs and/or quotes.

**6. Design and production orders**

Convert the sign plan into simple lists or spreadsheets that will assist with design and production orders for the signs and supporting structures.

**7. Maintenance and evaluation program**

While conducting your annual risk assessment program, you can incorporate a check of all signs at a site. Using the sign plan as a reference, you can record, assess and review the status of signs there; i.e. presence/absence (particularly important for risk signs), condition and effectiveness. Any follow-up tasks can then be included in your annual maintenance works program.

## Appendix B

### Sign Planning

#### Sign planning tips

- Signs create visual impact. A well-designed site can reduce the number of signs required. Effective site design and sign planning is the key to achieving more with less.
- Effective site design and sign planning is the result of a collaborative effort between district staff, site managers, landscape architects and interpretation staff.
- Project management is a way of ensuring effective integration of the professional disciplines of landscape architecture, architecture, interpretive communication and graphic design.
- Think message first! For each site or larger area that you are planning for, there will be key locations where visitors need particular messages ... to get their bearings, find their way, stay safe, be suitably prepared for a recreational activity, know how to act in a way that protects park values or in a way that does not impact adversely on other visitors. Put yourself in the visitor's shoes and move through a site from a logical starting point to an end point. When you have decided what the messages are and where they need to be, then choose a suitable sign format from the sign system.
- The department's Interpretation, Marketing and eMedia Unit provides guidance, support and resources for sign planning.



*Cover photo: Yellagonga Regional Park*


*Regional Parks Manual, August 2018.*


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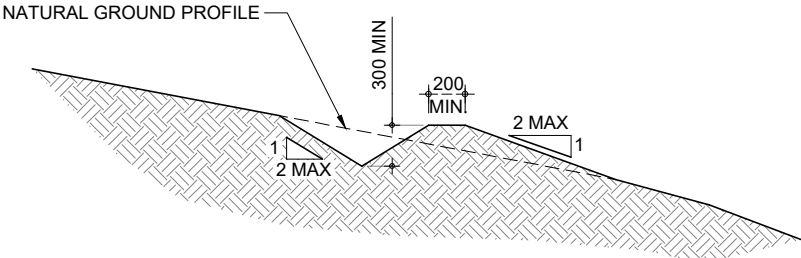
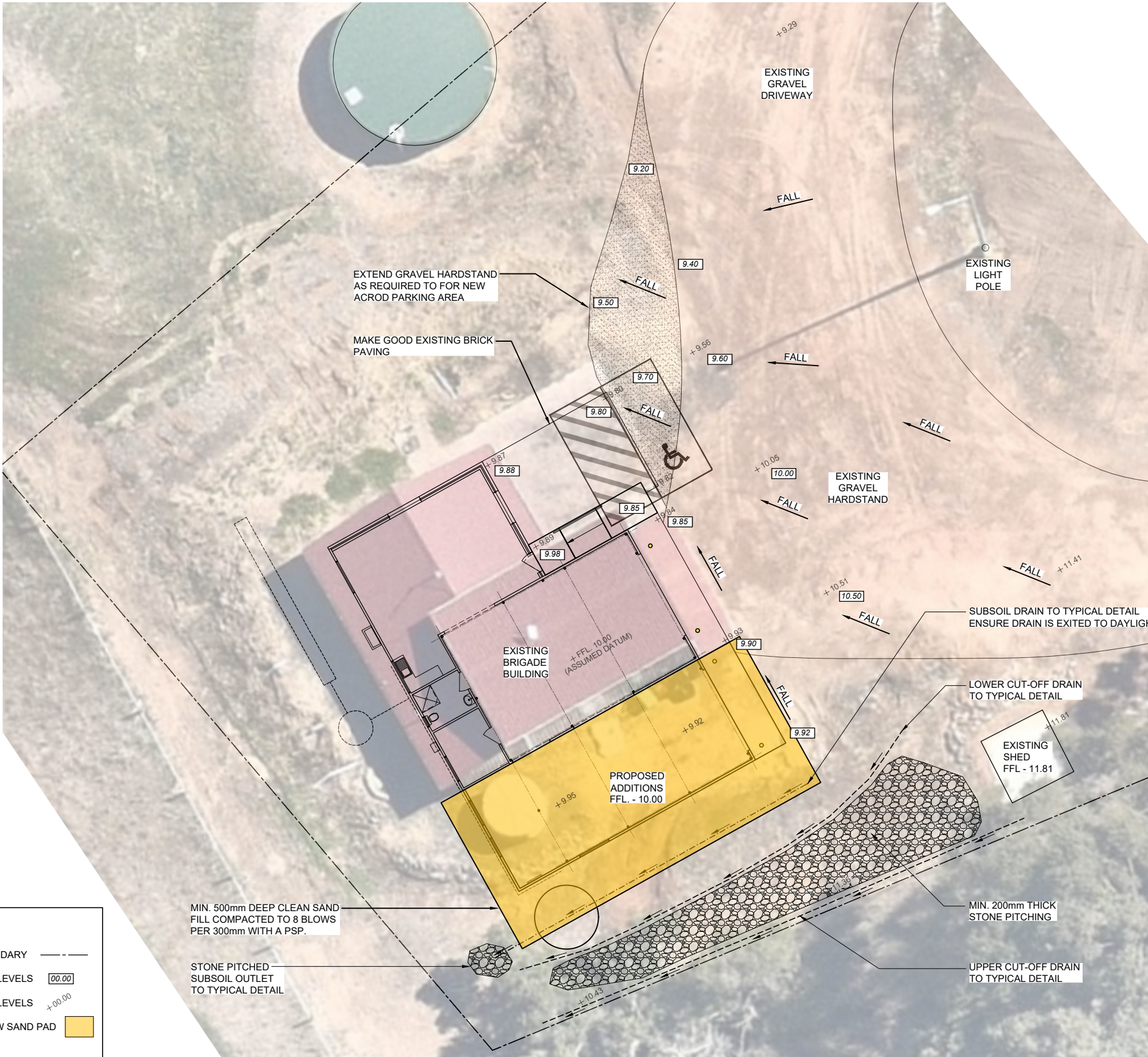


SITE PLAN  
NOT TO SCALE

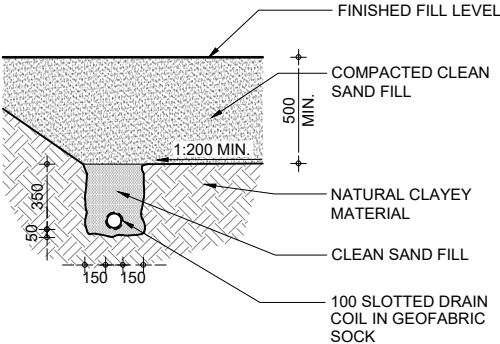


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				B.B.	06.03.2025		SITE PLAN	SHEET NO.		
				THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			SHEET SIZE			

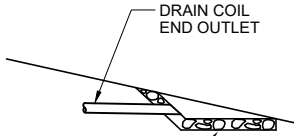
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UPPER CUT-OFF DRAIN  
(LOWER CUT-OFF DRAIN SIMILAR)  
NOT TO SCALE  
NOTE;  
ENSURE WATER FROM CUT-OFF DRAINS  
IS DIRECTED AWAY FROM ALL BUILDINGS.



TYPICAL SUBSOIL DRAIN  
NOT TO SCALE  
NOTE;  
ENSURE WATER FROM CUT-OFF DRAINS  
IS DIRECTED AWAY FROM ALL BUILDINGS.



STONE PITCHED OUTLET  
TYPICAL FOR SUBSOIL  
AND OPEN DRAINS TO  
PREVENT EROSION.

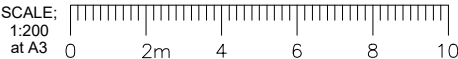
TYPICAL STONE PITCHED  
SUBSOIL OUTLET  
NOT TO SCALE  
NOTE;  
ENSURE WATER FROM CUT-OFF DRAINS  
IS DIRECTED AWAY FROM ALL BUILDINGS.



- LEGEND:**
- EXISTING BOUNDARY
  - FINISHED SITE LEVELS
  - EXISTING SITE LEVELS
  - EXTENT OF NEW SAND PAD

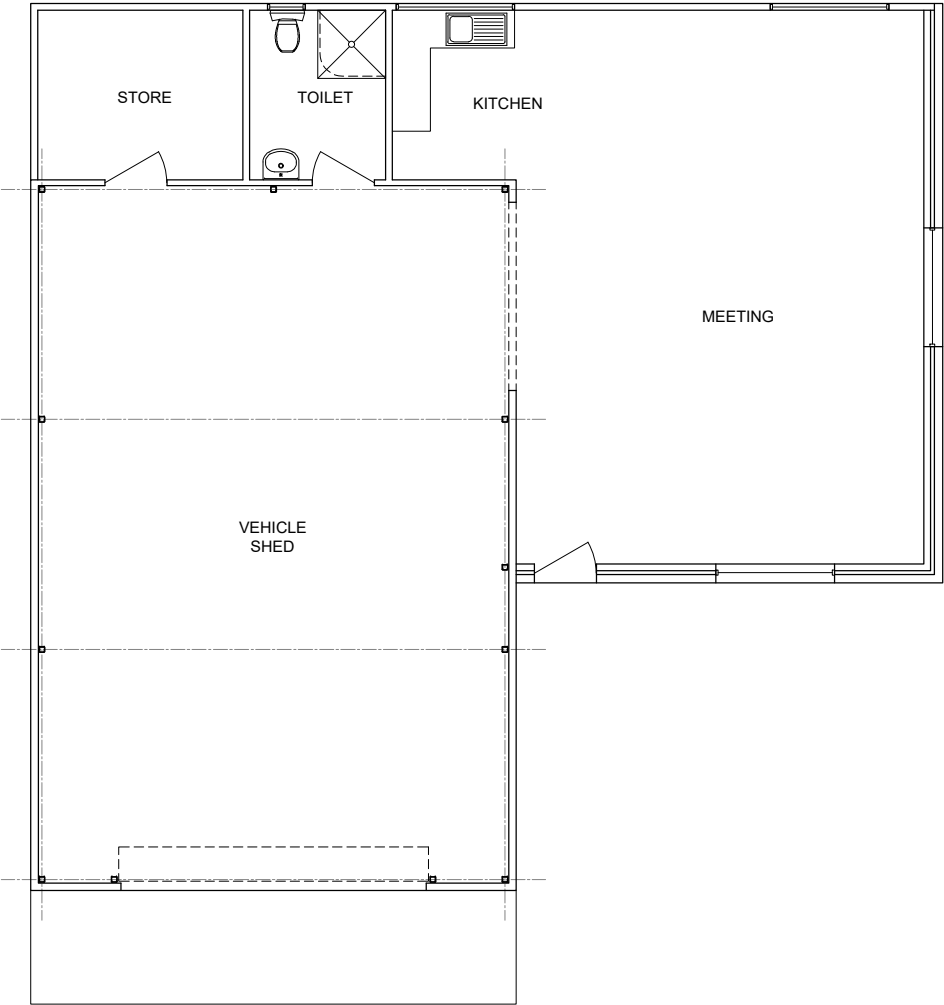
MIN. 500mm DEEP CLEAN SAND  
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PER 300mm WITH A PSP.

STONE PITCHED  
SUBSOIL OUTLET  
TO TYPICAL DETAIL

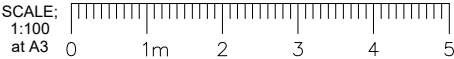
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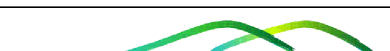


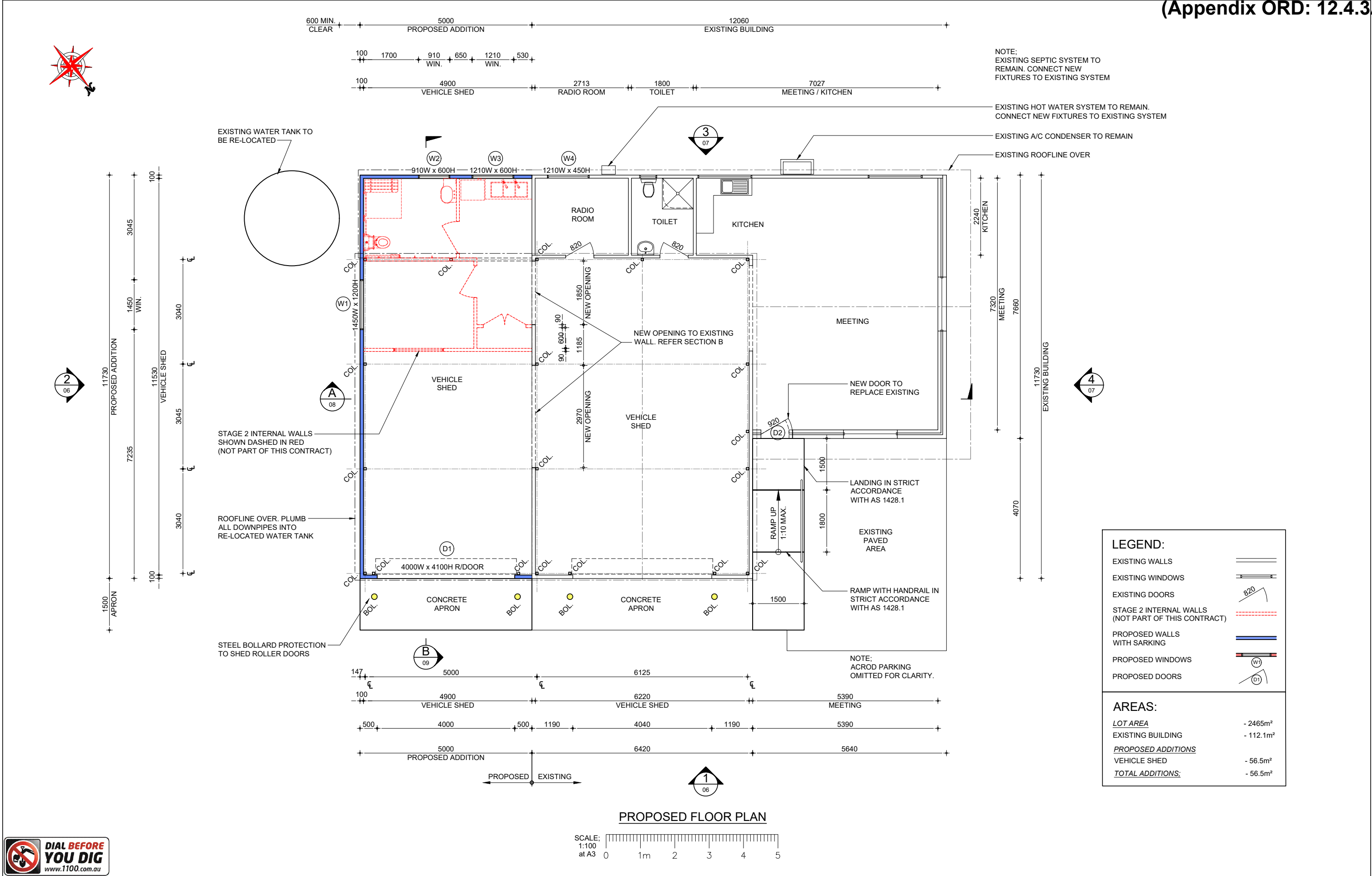
 <div>DIAL BEFORE YOU DIG www.1100.com.au</div>			<div>SCALE: 1:200 at A3</div> 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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EXISTING FLOOR PLAN



															
	AMENDMENT DESCRIPTION	BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE				INFRASTRUCTURE		 Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653 Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au	
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 06.03.2025	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE				DRAWING NO. 2025-BDG-123-03			
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			EXISTING FLOOR PLAN				SHEET NO.		SHEET SIZE	
								DATUM. AHD GRID SYSTEM GDA94							





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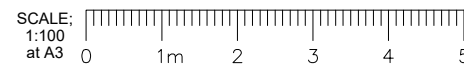
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	AMENDMENT DESCRIPTION	BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE			
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN	DRAWN DATE	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE				
					B.B.	06.03.2025		PROPOSED FLOOR PLAN	DRAWING NO.		Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653	
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			2025-BDG-123-04				
								SHEET NO.				
								SHEET SIZE				
							DATUM.	AHD	GRID SYSTEM	GDA94	Online	Telephone 08 9724 0000 Facsimile 08 9724 0091 www.dardanup.wa.gov.au




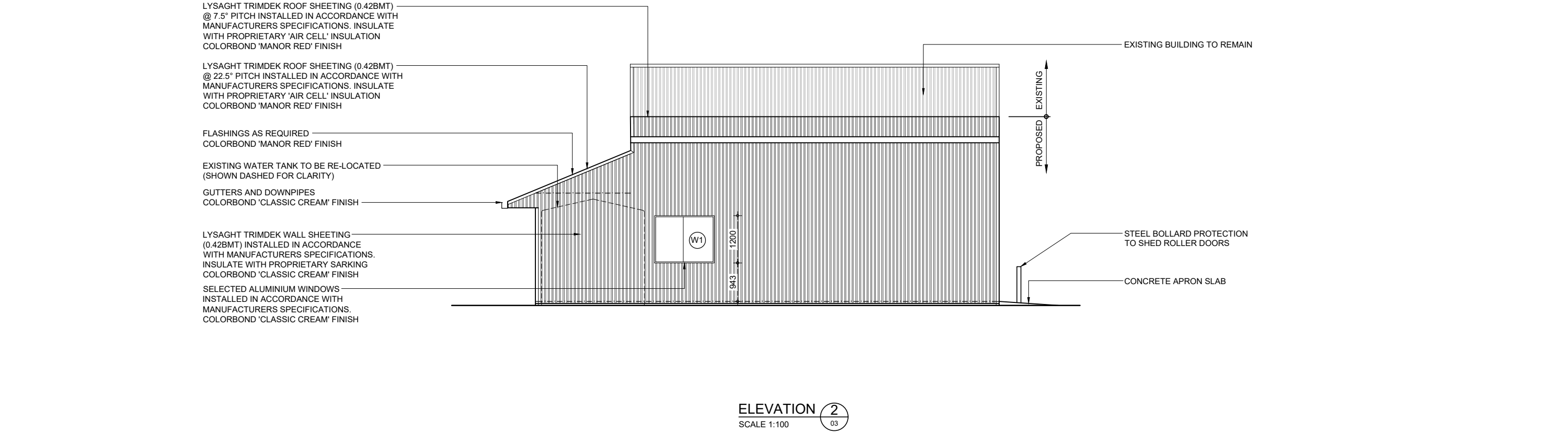
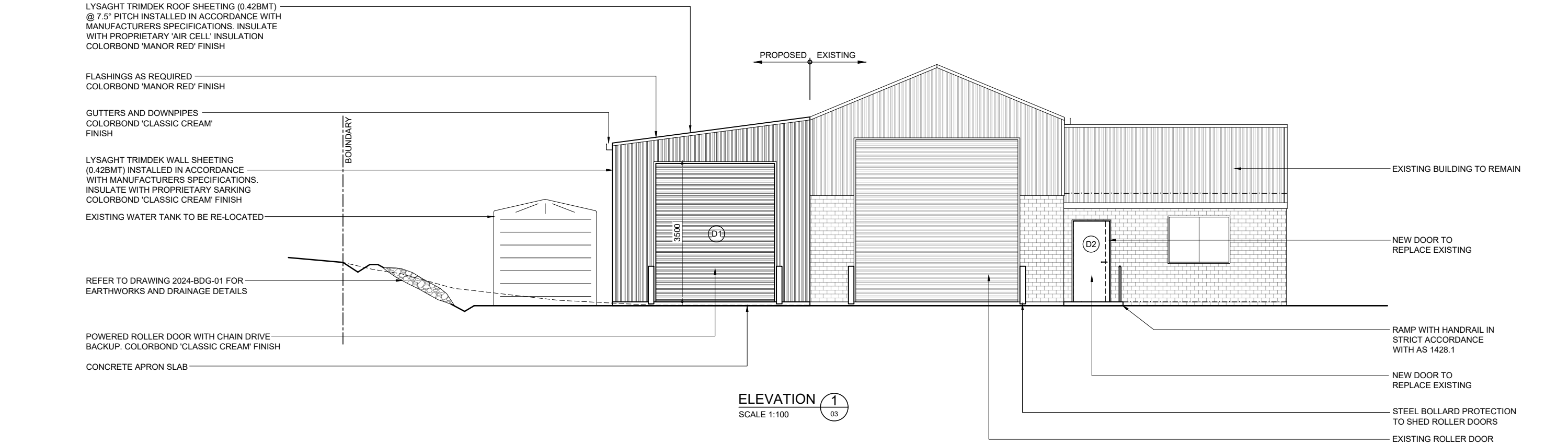
NOTE:  
ALL EXTERNAL FLOOD LIGHTS TO BE CONNECTED  
TO MASTER LIGHT SWITCH PANEL LOCATED IN THE  
VEHICLE SHED.  
INSTALL TV ANTENNA AND COMMUNICATIONS  
ANTENNA'S FOR OPERATIONAL EQUIPMENT TO  
THE SATISFACTION OF THE SHIRE OF DARDANUP.





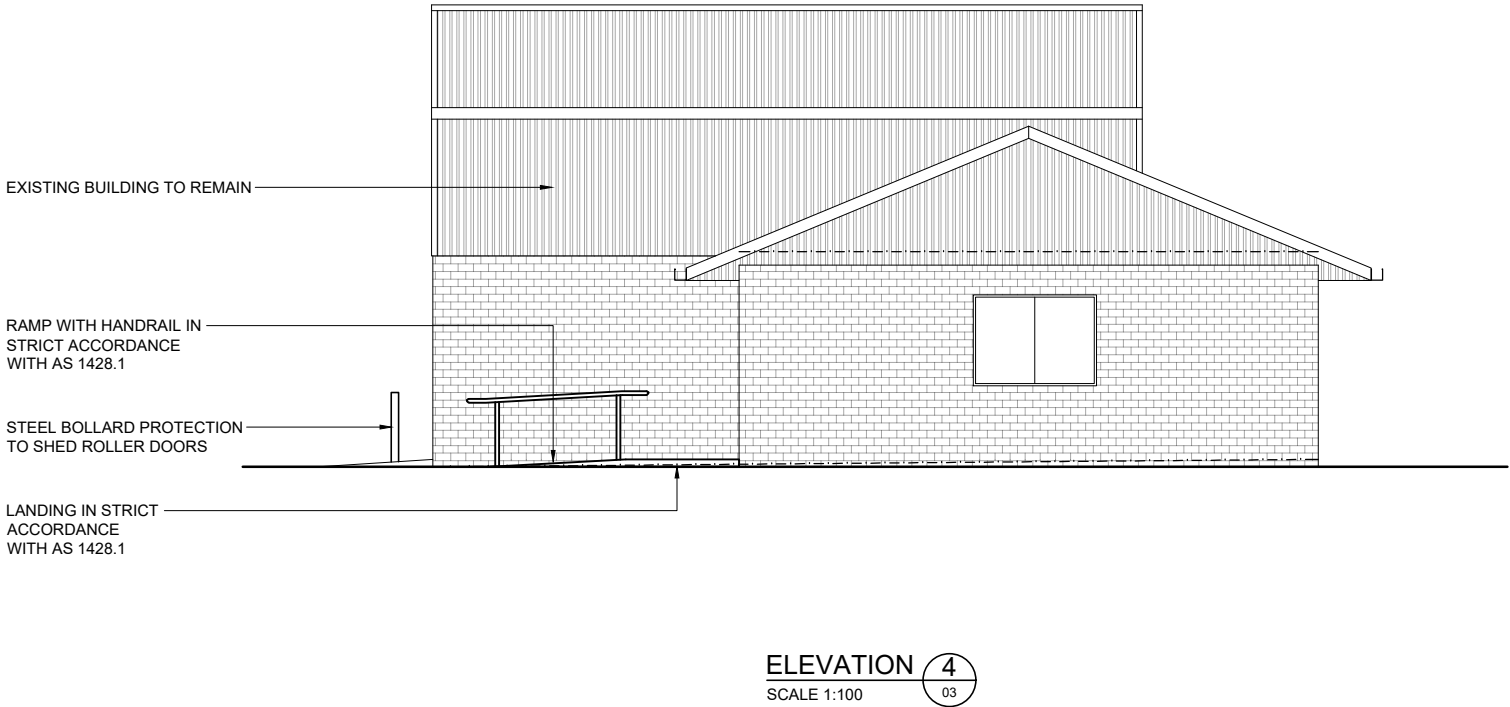
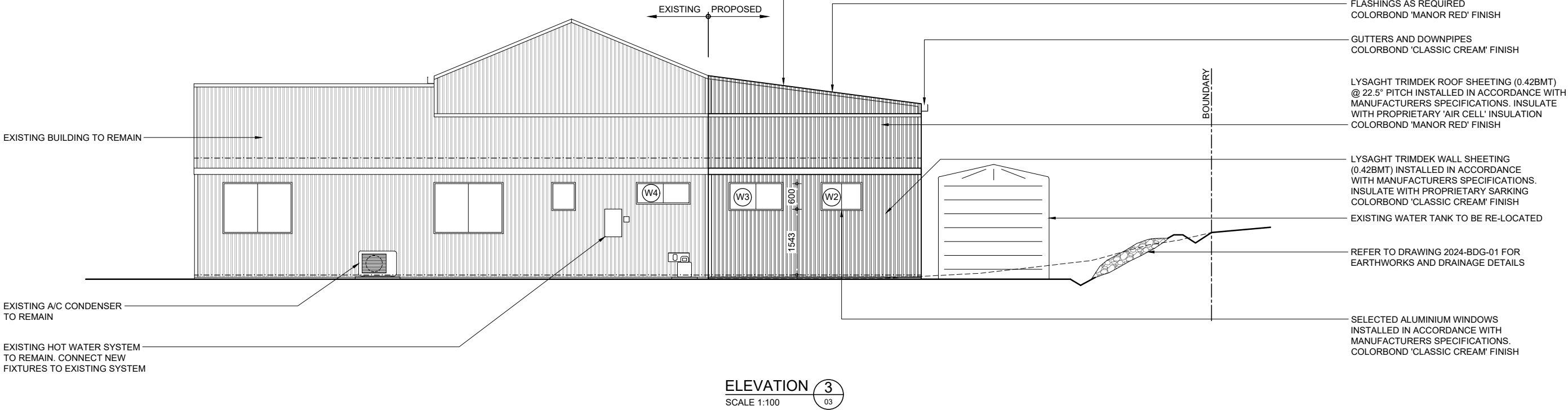
-  FWG - FLOOR WASTE GULLY
-  CO - CLEAN OUT POINT
-  DR - SINK DRAIN
-  SD - SANITARY DRAINAGE PIPE

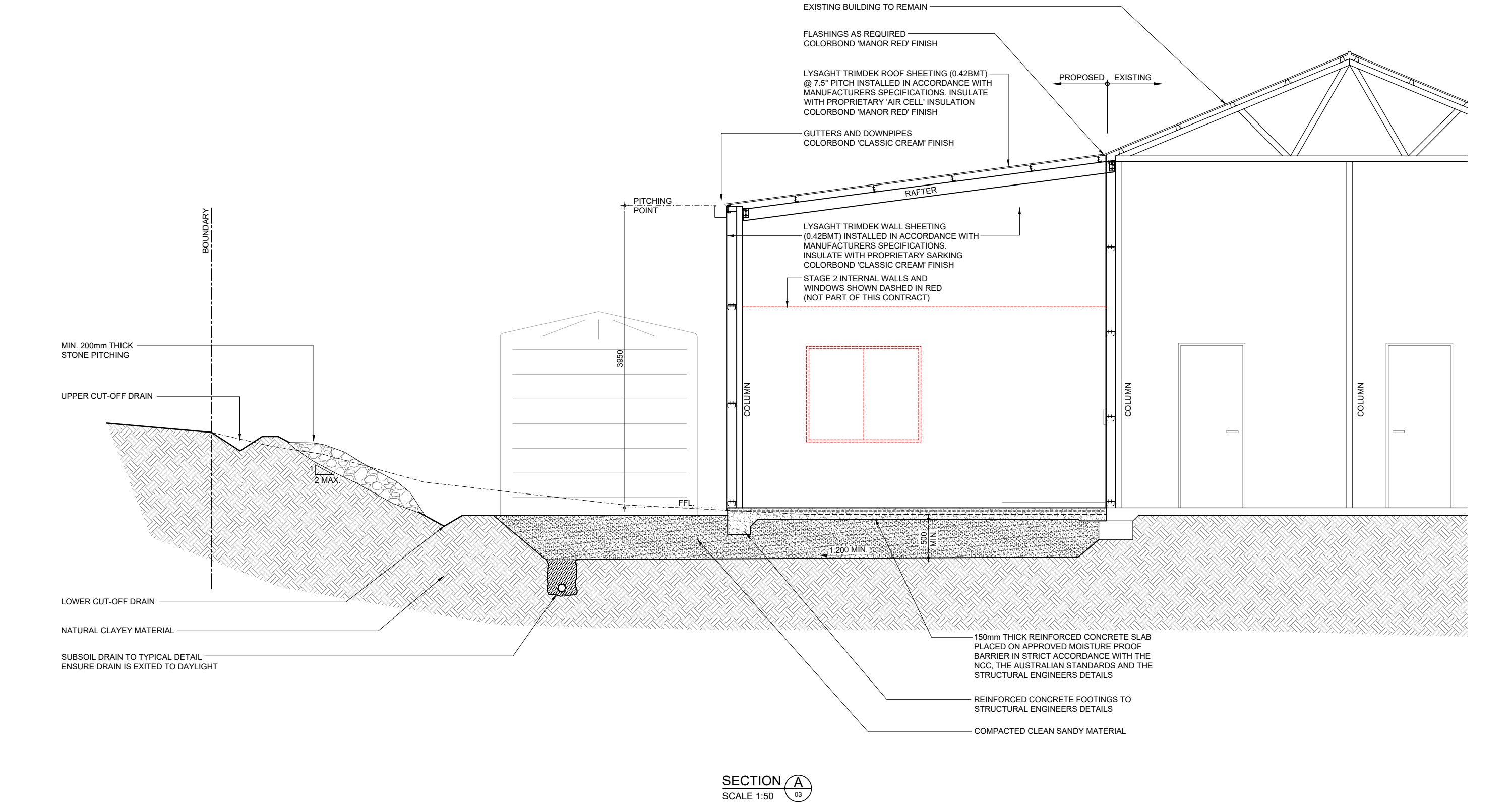




AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE		 <b>Shire of Dardanup</b> <small>Administration Centre Eaton P.O. Box 7017 - 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653</small> <small>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</small>
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 06.03.2025	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE	DRAWING NO. <b>2025-BDG-123-05</b>		
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			ELECTRICAL AND FIRE PLAN AND PART PLUMBING PLAN	DATUM. AHD GRID SYSTEM GDA94		
									SHEET NO.		
									SHEET SIZE		

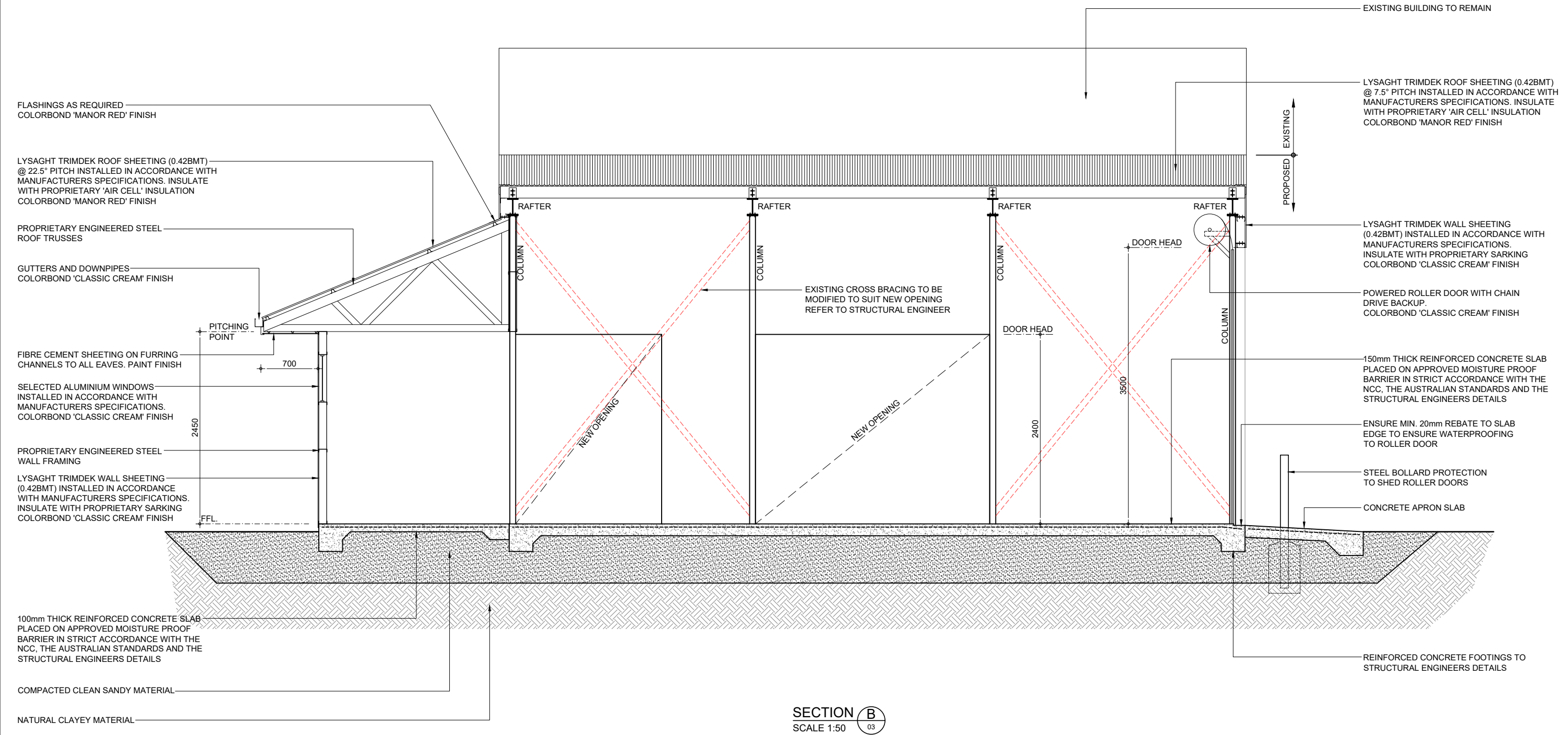



		AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE	
A	ISSUED FOR COMMENT	B.B.	11.03.2025				DRAWN	DRAWN DATE	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE		
							B.B.	06.03.2025		ELEVATIONS SHEET 1	DRAWING NO. 2025-BDG-123-06	
							THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.				Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653	
							DATUM.	AHD	GRID SYSTEM	GDA94	SHEET NO.	SHEET SIZE
							Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au					






		AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE		INFRASTRUCTURE			
A	ISSUED FOR COMMENT	B.B.	11.03.2025				DRAWN B.B.	DRAWN DATE 06.03.2025	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE		DRAWING NO. 2025-BDG-123-08			
							THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			SECTION A		DATUM. GRID SYSTEM	AHD GDA94	SHEET NO.	SHEET SIZE





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AMENDMENT DESCRIPTION	BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE		 <p>Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653</p> <p>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</p>		
A ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 06.03.2025	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE	DRAWING NO. 2025-BDG-123-09				
				THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			SECTION B		DATUM. AHD GRID SYSTEM GDA94		SHEET NO.	SHEET SIZE

DOOR SCHEDULE:									
DOOR NUMBER	TOTAL	DOOR TYPE	PANEL TYPE	PANEL FINISH	FRAME TYPE	FRAME FINISH	HEIGHT	WIDTH	ADDITIONAL INFORMATION / COMMENTS
D1	1	AUTOMATIC ROLLER DOOR	PROPRIETARY TO MANUFACTURERS SPECIFICATIONS	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	GALVANISED STEEL	PROPRIETARY TO MANUFACTURERS SPECIFICATIONS	3500mm	AS REQUIRED FOR 4000mm OPENING	INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. PROVIDE BACK-UP MANUAL CHAIN DRIVE FOR OPERATING DOORS MANUALLY. ENSURE MIN. 20mm REBATE TO SLAB EDGE TO ENSURE WATERPROOFING.
D5	1	EXTERNAL SWING DOOR	SOLID CORE W/FLAT ZINCALUME SHEET TO EXTERNAL FACE	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	GALVANISED STEEL	PAINT FINISH COLOUR TO MATCH EXISTING	2040mm	920mm	INSTALL DOOR BUFFERS AND STOPS, EXTERNAL STRIKER PLATES TO DOOR LATCHES TO BE STEEL NOSED WITH WEATHER BAR AND SEAL. BOLT LATCHES TO BE FITTED TOP AND BOTTOM INTERNALLY.

WINDOW SCHEDULE:								
WINDOW NUMBER	TOTAL	WINDOW TYPE	FRAME TYPE	FRAME FINISH	GLAZING	HEAD	SILL	ADDITIONAL INFORMATION / COMMENTS
W1	1	1450W x 1200H SLIDING WINDOW	PROPRIETARY ALUMINIUM FRAMES	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	CLEAR SINGLE GLAZING	2143mm AFL	1586mm AFL	INSTALL STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. FRAMES TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.
W2	1	910W x 600H SLIDING WINDOW	PROPRIETARY ALUMINIUM FRAMES	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	OPAQUE SINGLE GLAZING	2443mm AFL	1586mm AFL	INSTALL STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. FRAMES TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.
W3	1	1210W x 600H SLIDING WINDOW	PROPRIETARY ALUMINIUM FRAMES	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	OPAQUE SINGLE GLAZING	2143mm AFL	1586mm AFL	INSTALL STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. FRAMES TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.
W4	1	1210W x 450H SLIDING WINDOW	PROPRIETARY ALUMINIUM FRAMES	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	OPAQUE SINGLE GLAZING	2143mm AFL	1693mm AFL	INSTALL STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. FRAMES TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.

DOOR NOTES:

- 1) CONTRACTOR TO SUPPLY AND INSTALL KEY LOCK MECHANISMS TO ALL EXTERNAL DOORS AND AS NOTED IN THE SCHEDULE.
- 2) CONTRACTOR TO SUPPLY AND INSTALL LOCKING MECHANISMS TO ALL BATHROOM AND TOILET DOORS. FITMENTS TO UAT TO BE IN STRICT ACCORDANCE WITH AS 1428.1.
- 3) CONTRACTOR TO SUPPLY AND INSTALL LIFT OFF HINGES TO ALL BATHROOM AND TOILET DOORS IN STRICT ACCORDANCE WITH THE BCA.
- 4) CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY DOOR HARDWARE.
- 5) REFER TO FLOOR PLAN FOR DOOR ORIENTATION.

WINDOW NOTES:

- 1) CONTRACTOR TO SUPPLY AND INSTALL KEY LOCK MECHANISMS TO ALL EXTERNAL WINDOWS.
- 2) CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY WINDOW HARDWARE.
- 3) CONTRACTOR TO SUPPLY AND INSTALL WINDOW BAR SECURITY SCREENS.
- 4) REFER TO ELEVATIONS FOR WINDOW SLIDING DIRECTION.

GENERAL NOTES:

VERTICAL DATUM :  
AUSTRALIAN HEIGHT DATUM (AHD)  
HORIZONTAL DATUM :  
GDA94 / MGA zone 50  
1. DO NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONS ARE TO THE FACE OF FRAMING OR STRUCTURE. ANY DISCREPANCIES ARE TO BE REFERRED TO THE PROJECT SUPERVISOR FOR A DECISION PRIOR TO COMMENCEMENT OF ANY WORK.  
2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS.  
3. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.  
4. ALL FIXTURES AND FITTINGS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE RELEVANT STANDARDS FOR 'DESIGN FOR ACCESS AND MOBILITY', IN PARTICULAR AS 1428.1 AND THE BUILDING CODE OF AUSTRALIA.  
5. SURVEY/CONTOURS FROM SITE SURVEY BY BCE SURVEYING PTY LTD.  
6. SERVICES, SUCH AS SEWER, WATER, GAS, COMMUNICATIONS, ELECTRICITY AND DRAINAGE SERVICES, MAY BE ENCOUNTERED DURING CONSTRUCTION OF THE WORKS. SERVICES INFORMATION SHOWN ON DRAWINGS IS INDICATIVE ONLY AND MAY NOT BE COMPLETE. BEFORE EXCAVATION COMMENCES THE LOCATION OF ALL SUCH SERVICES SHALL BE OBTAINED FROM THE RELEVANT AUTHORITIES BY THE CONTRACTOR.  
7. THE CONTRACTOR SHALL CO-ORDINATE THE LOCATION OF ALL EXISTING AND PROPOSED SERVICES PRIOR TO COMMENCEMENT OF WORK. ANY CONFLICTS ARE TO BE REPORTED TO THE PROJECT SUPERVISOR IMMEDIATELY.  
8. THE CONTRACTOR SHALL PROVIDE A SAFE WORKING ENVIRONMENT FOR THE DURATION OF THE WORKS. THE CONTRACTOR SHALL HAVE IN PLACE PROJECT SAFETY AND RISK MANAGEMENT SYSTEMS WHICH COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT AND WORK SAFE WA REQUIREMENTS.  
9. THE CONTRACTOR SHALL LIMIT ACCESS TO THE WORKS TO THE SITEWORKS BOUNDARY. EXISTING VEGETATION ETC. OUTSIDE OF THE BOUNDARY TO BE PROTECTED.  
10. ALL TREES SHALL REMAIN UNDISTURBED UNLESS SPECIFICALLY NOTED ON THE PLANS OR ADVISED BY THE SHIRE.  
11. THE CONTRACTOR SHALL REMOVE FROM SITE ALL RUBBISH WITHIN THE SITEWORKS BOUNDARY TO AN APPROVED DISPOSAL SITE.  
12. THE CONTRACTOR IS TO ENSURE THE STABILITY OF ALL STRUCTURES DURING ALL PHASES OF CONSTRUCTION.  
14. ALL PROPOSED WORKS TO BE LOCATED ON SITE WITH SPOT PAINT AND APPROVED BY THE PROJECT SUPERVISOR, PRIOR TO COMMENCEMENT OF ANY WORK.

SITEWORKS NOTES:

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION, BUT WHERE NO DETAIL IS PROVIDED, TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.  
2. CONTRACTOR SHALL PROVIDE ALL SIGNING, LIGHTING AND FLAGMEN NECESSARY TO ENSURE SAFETY OF THE PUBLIC AND OF THE WORKS.  
3. LOCATE ALL LEVELS FROM EXISTING SURVEY MARKS. ALL SURVEY MARKS SHALL BE PROTECTED.  
4. EXISTING VEGETATION SHALL NOT BE DISTURBED BEYOND THE EXTENT OF WORK.  
5. ALL FILL SHALL BE CLEAN NON PLASTIC MATERIAL FREE FROM VEGETATION AND OTHER DELETERIOUS MATERIAL AND CERTIFIED AS SUITABLE FOR RESIDENTIAL LAND USE.  
6. ALL FILL SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 300mm THICKNESS AND COMPACTED TO A DENSITY NOT LESS THAN 95% MAXIMUM DRY DENSITY.  
7. CONTRACTOR SHALL TIE IN OF NEW SURFACE TO FINISH FLUSH WITH EXISTING SURFACE.

CONTRACTOR SCOPE OF WORKS:

THE CONTRACTORS OBLIGATIONS LISTED BELOW INCLUDE, BUT ARE NOT LIMITED TO:  
1. DESIGN AND CONSTRUCT THE BUILDING IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND RELEVANT STANDARDS.  
2. PROVIDE A CERTIFICATE OF DESIGN COMPLIANCE.  
3. APPLY FOR AND OBTAIN A BUILDING PERMIT. THE SHIRE OF DARDANUP WILL WAIVE THE APPLICATION FEE.  
4. PROVIDE A CERTIFICATE OF CONSTRUCTION COMPLIANCE.  
5. MAKE APPLICATION TO CONSTRUCT OR INSTALL AN APPARATUS FOR THE TREATMENT OF SEWAGE.

INSULATION:

1. ALL EXTERNAL AN INTERNAL STUD WALLS TO BE INSULATED WITH R2.5 INSULATION BATTS.  
2. ALL CEILINGS TO BE INSULATED WITH R4.1 BATTS.  
3. ALL ROOFS TO BE FITTED WITH 'AIR-CELL GLARESHEILD' OR SIMILAR APPROVED.  
4. BUILDING TO BE WRAPPED IN 'ENVIROSEAL PROCTORWRAP' OR SIMILAR APPROVED.  
5. ALL INSULATION TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

INTERNAL FINISHES:

1. ALL INTERNAL DRY AREA WALLS TO BE CLAD WITH 13mm PLASTERBOARD.  
2. ALL INTERNAL DRY AREA CEILINGS TO BE CLAD WITH 10mm PLASTERBOARD.  
3. ALL INTERNAL WET AREA WALLS AND CEILINGS TO BE CLAD WITH 10mm MOISTURE RESISTANT PLASTERBOARD. REFER TO ROOM ELEVATIONS FOR EXTENT OF TILED FINISH.  
4. ALL INTERNAL DRY AREAS TO BE FITTED WITH 75mm COVE CORNICE. SELECTED PAINT FINISH.  
5. ALL INTERNAL DRY AREAS TO BE FITTED WITH 68mm MDF SKIRTING BOARDS. PAINT FINISH WHITE GLOSS.  
6. ALL WALL AND CEILING FINISHES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

FLOOR FINISHES:

1. FLOOR FINISHES TO THE EXISTING BUILDING ARE TO REMAIN AS IS. ALL CARE SHOULD BE TAKEN NOT TO DAMAGE THE EXISTING FLOORS DURING INSTALLATION OF THE BUILDING ELEMENTS.  
2. ALL TOILETS TO HAVE NON SLIP TILED FLOORS FINISHED TO FALLS AND GRADED TO WASTE.  
3. FLOORS TO THE STORE, AIRLOCK, WASHROOM, VEHICLE SHED AND EQUIPMENT STORE TO BE SEALED CONCRETE WITH A NON SLIP FINISH.  
4. ALL FLOOR FINISHES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

TERMITE TREATMENT:

1.PROVIDE APPROVED CHEMICAL OR BARRIER TERMITE TREATMENT TO THE UNDERSIDE AND PERIMETER OF ALL FLOOR SLABS.  
2. INSTALL ANTI TERMITE SLEEVES TO ALL SERVICES WHICH PENETRATE THE SLAB.  
3. ALL TREATMENTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, THE BCA AND AS.3660.

FIRE SAFETY:

1. PORTABLE FIRE EXTINGUISHERS TO BE INSTALLED IN STRICT ACCORDANCE WITH AS.2444 AND THE BCA.  
2.SMOKE ALARMS TO BE INSTALLED IN STRICT ACCORDANCE WITH AS.3786 AND THE BCA.

ELECTRICAL:

1. ALL ELECTRICAL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH ALL RELEVANT AUSTRALIAN STANDARDS AND THE BCA.  
2. SUPPLY EMERGENCY LIGHTING INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS TO COMPLY WITH AS.2229 AND THE BCA.  
3. INSTALL RCD'S TO ALL WIRING CIRCUITS IN STRICT ACCORDANCE WITH AS.3000.


PLUMBING:

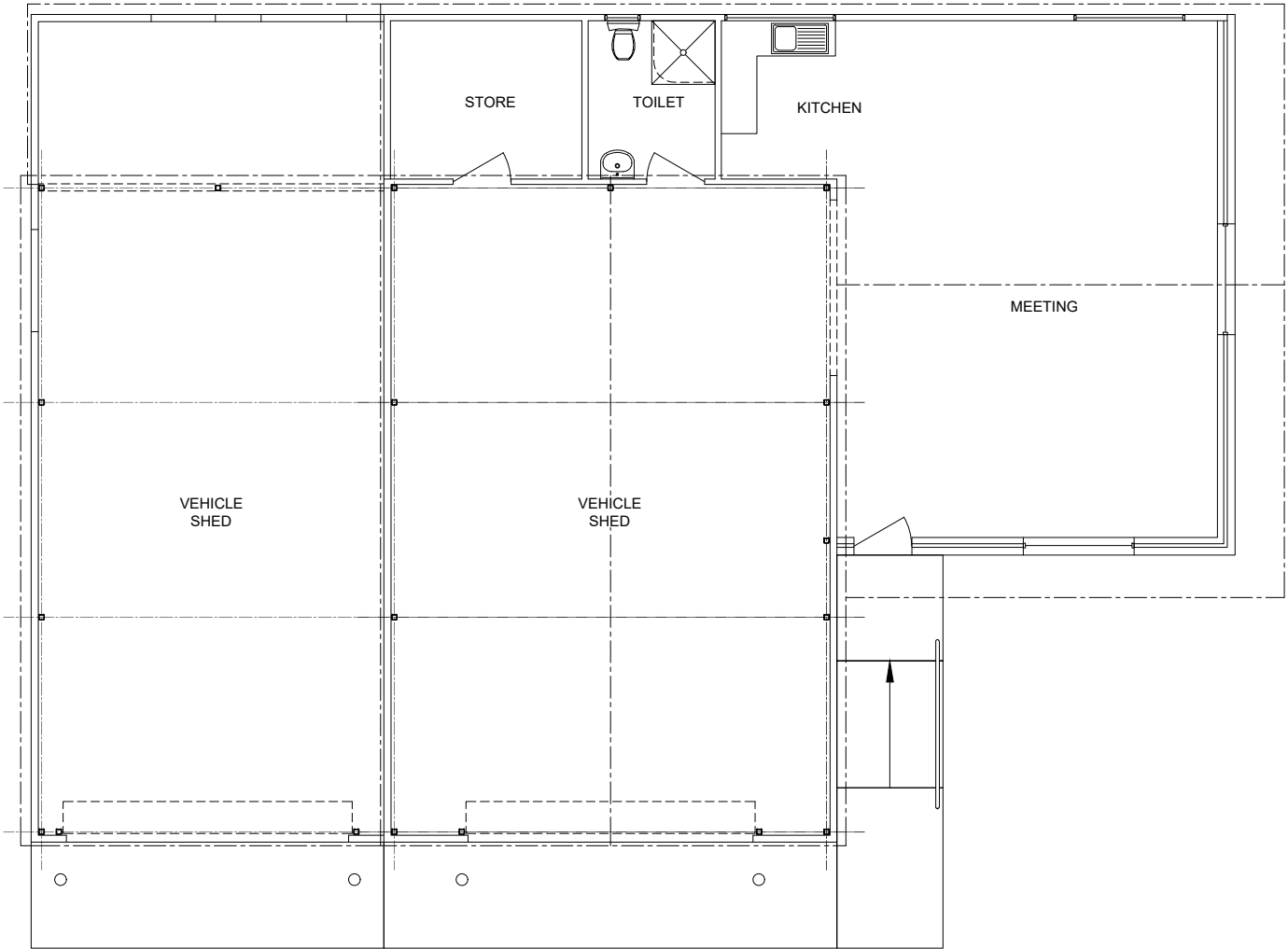
1. ALL PLUMBING WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH ALL RELEVANT AUSTRALIAN STANDARDS AND THE BCA.  
2. APPROVED SEPTIC SYSTEM TO BE INSTALLED TO THE SATISFACTION OF THE SHIRE OF DARDANUP HEALTH DEPARTMENT.  
3. SPECIFIED RAINWATER TANK TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. INSTALL APPROVED PUMP AS REQUIRED TO SUPPLY WATER FROM THE TANK TO THE FIXTURES INDICATED ON THE DRAWINGS. PRESSURE WITHIN THE BUILDING TO BE WITHIN PLUMBING CODE STANDARDS. NO PRESSURE RAISING DEVICES ARE TO BE INSTALLED.  
4. ALL DOWNPIPES TO BE FITTED WITH STAND-OFF CLIPS AND LEAF DIVERTERS. CONNECT ALL DOWNPIPES TO RAINWATER TANK WITH CHARGED LINE.  
5. APPROVED INSTANTANEOUS ELECTRICAL HOT WATER SYSTEM TO BE INSTALLED AS REQUIRED TO SUPPLY HOT WATER TO THE FIXTURES INDICATED ON THE DRAWINGS.

SECURITY:

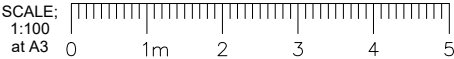
1. INSTALL MOTION DETECTING ALARMED SECURITY SYSTEM TO THE EXISTING BUILDING AND THE EXTENSIONS. PROPOSED ALARM SYSTEM TO BE SUBMITTED TO THE SHIRE OF DARDANUP FOR APPROVAL PRIOR TO INSTALLATION. REFER TO ELECTRICAL PLAN FOR LOCATION OF MOTION DETECTORS / CAMERAS.  
2. ALARM SYSTEM TO COMPLY WITH ALL RELEVANT AUSTRALIAN STANDARDS AND REGULATIONS.  
3. PROVIDE STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. APPLY TO ALL EXISTING AND NEW EXTERNAL WINDOWS. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.





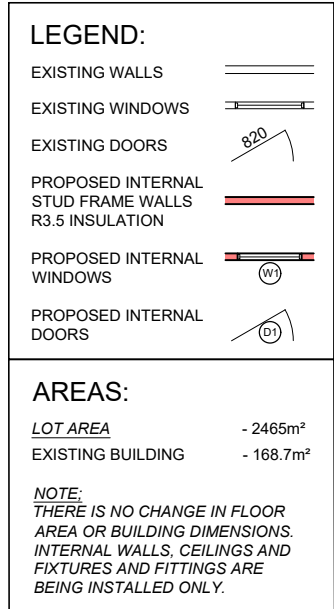
AMENDMENT DESCRIPTION				BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE			 <b>Shire of Dardanup</b> <div>Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653</div> <div>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</div>				
							DRAWN B.B.	DRAWN DATE 06.03.2025	TARDIS RECORD NUMBER	PROPOSED ADDITIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE	DRAWING NO. <b>2025-BDG-123-11</b>							
							THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			GENERAL NOTES		DATUM. AHD GRID SYSTEM GDA94			SHEET NO.		SHEET SIZE	

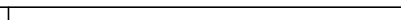


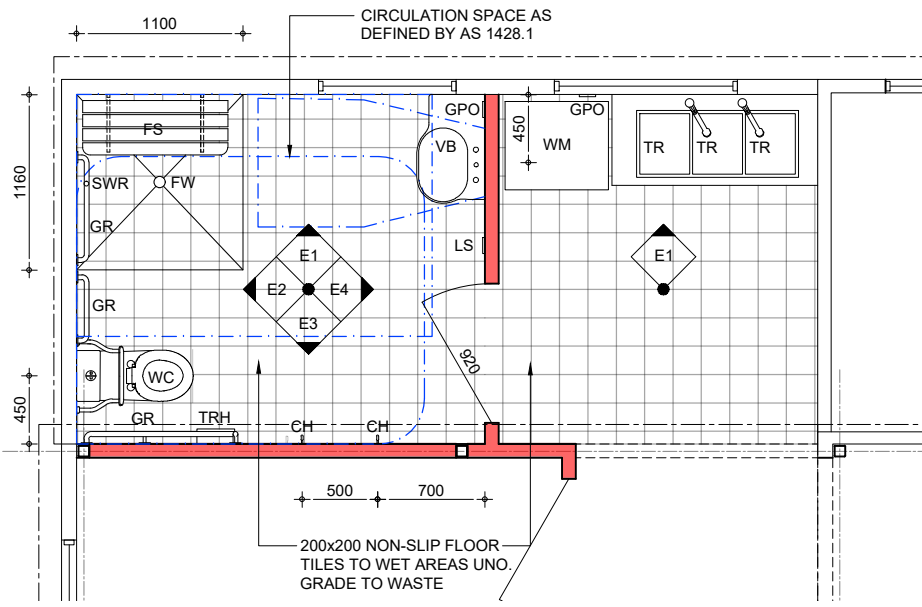
EXISTING FLOOR PLAN



															
AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE		INFRASTRUCTURE					
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 10.03.2025	TARDIS RECORD NUMBER	PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE		2025-BDG-124-01					
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			EXISTING FLOOR PLAN		DRAWING NO. 2025-BDG-124-01		<div>Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653</div> <div>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</div>			
								DATUM. AHD		SHEET NO.				SHEET SIZE	
								GRID SYSTEM GDA94							



AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE		 <b>Shire of Dardanup</b> <small>Administration Centre Eaton P.O Box 7017 - 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653 Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</small>
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 10.03.2025	TARDIS RECORD NUMBER	PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE	DRAWING NO. <b>2025-BDG-124-02</b>		
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			PROPOSED FLOOR PLAN	DATUM. AHD GRID SYSTEM GDA94		
									SHEET NO.		
									SHEET SIZE		



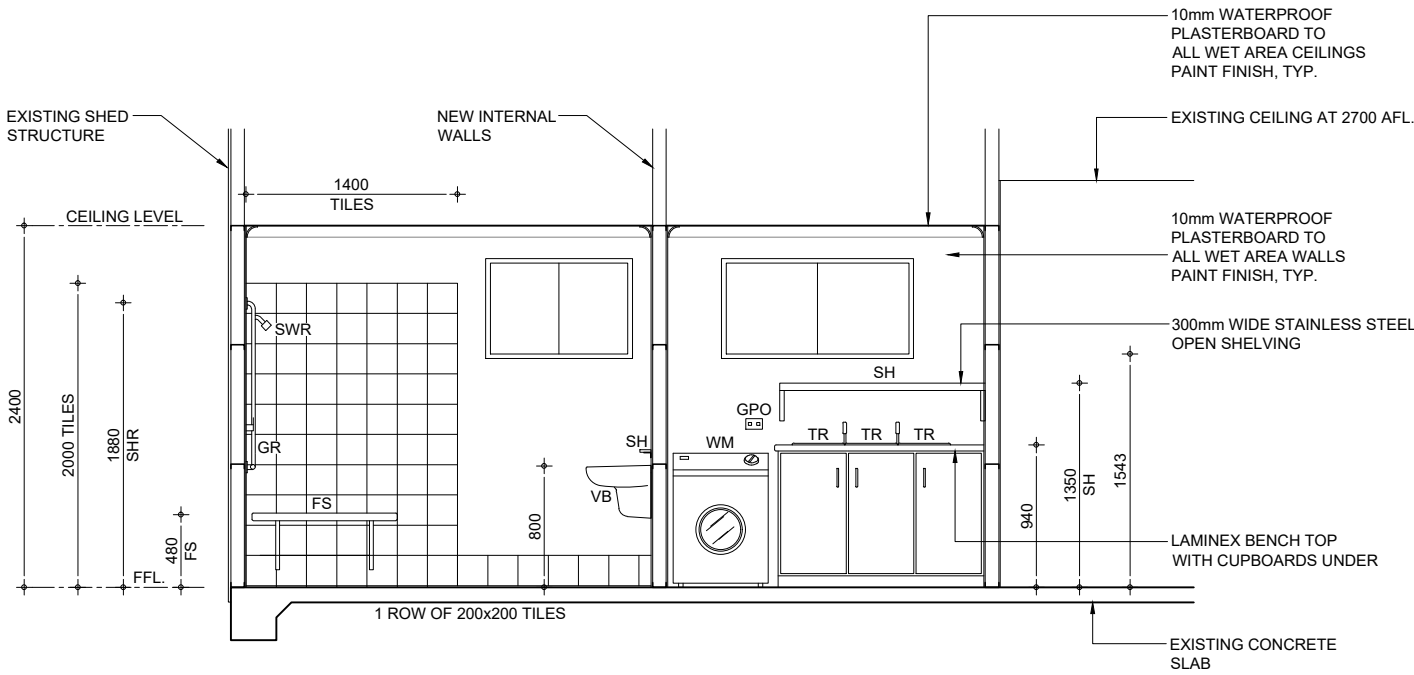
- LEGEND:**
- VB - VANITY BASIN
  - GR - GRAB RAIL
  - WC - WATER CLOSET
  - UR - URINAL
  - FW - FLOOR WASTE
  - FS - FOLDING SEAT
  - CH - CLOTHES HOOK
  - SH - SHELF
  - MI - MIRROR
  - WM - WASHING MACHINE
  - TR - TROUGH
  - SWR - SHOWER
  - SCR - SHOWER CURTAIN RAIL
  - TRH - TOILET ROLL HOLDER
  - LS - LIGHT SWITCH
  - GPO - GENERAL PURPOSE OUTLET
  - E1 - ELEVATION MARKER

**NOTE:**

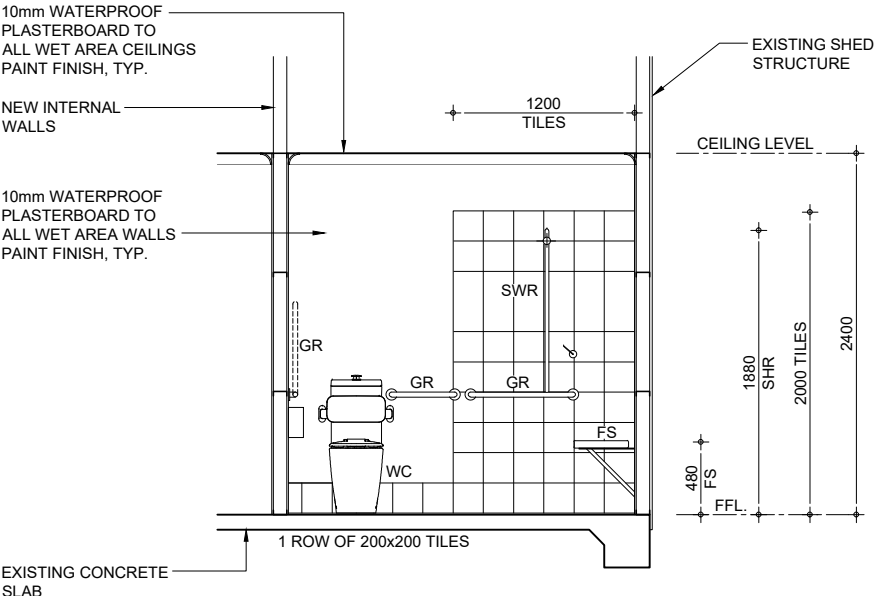
1. PROVIDE APPROVED PAPER TOWEL DISPENSER AND SOAP DISPENSER TO ALL TOILETS IN STRICT ACCORDANCE WITH THE BCA AND AS 1428.1.

2. ALL ITEMS AND ELEMENTS FORMING PART OF THE WET AREAS SHALL BE IN STRICT ACCORDANCE WITH THE BCA AND AS 1428.1.

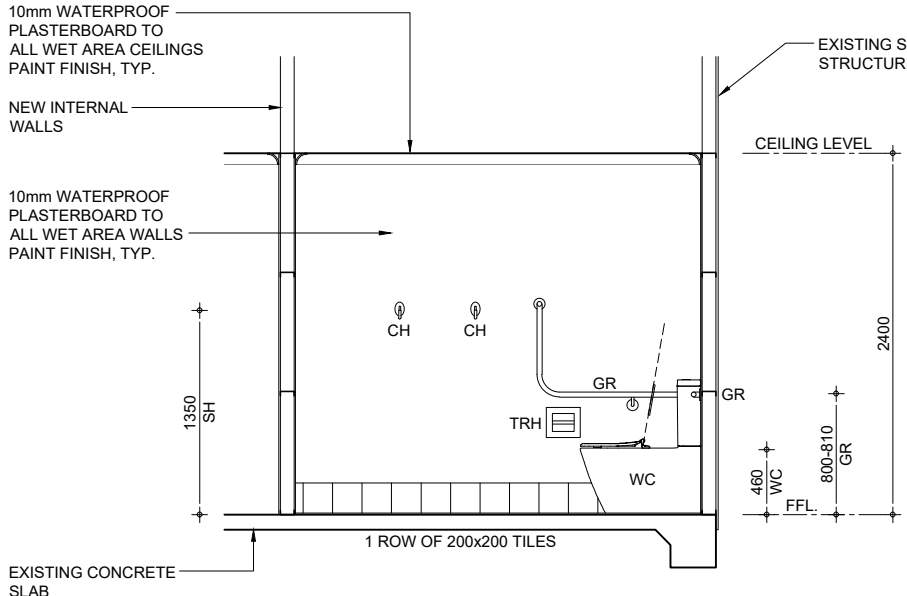
PART PLAN - WET AREA



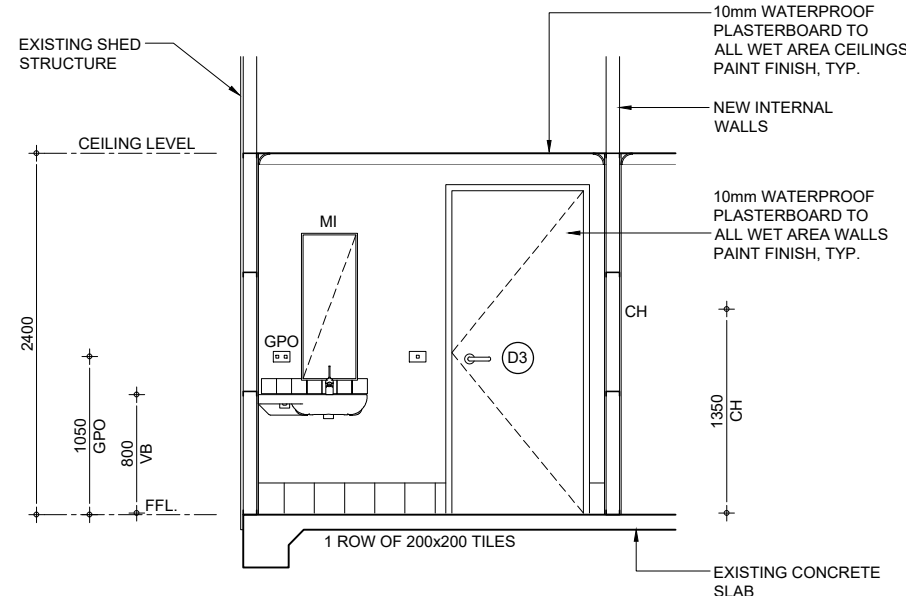
INTERNAL ELEVATION E1



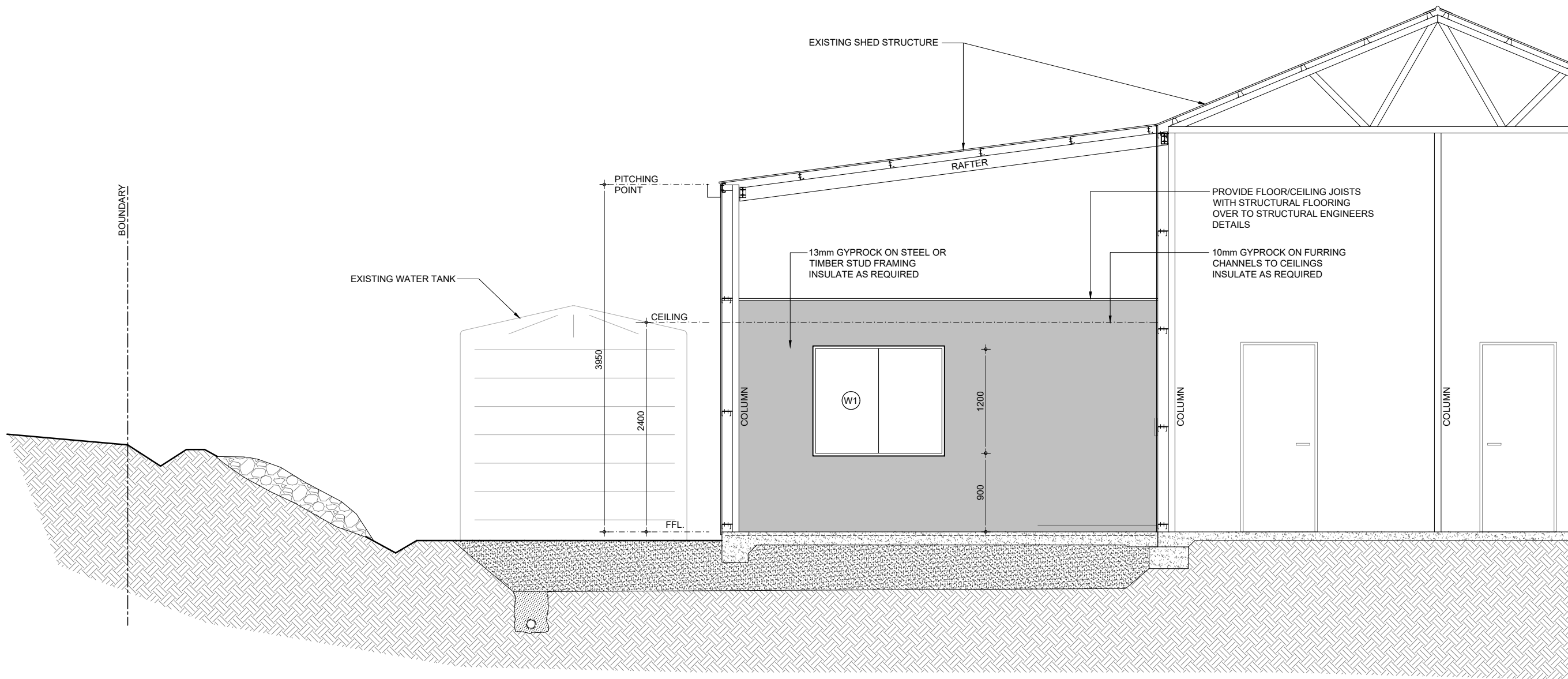
INTERNAL ELEVATION E2





INTERNAL ELEVATION E3

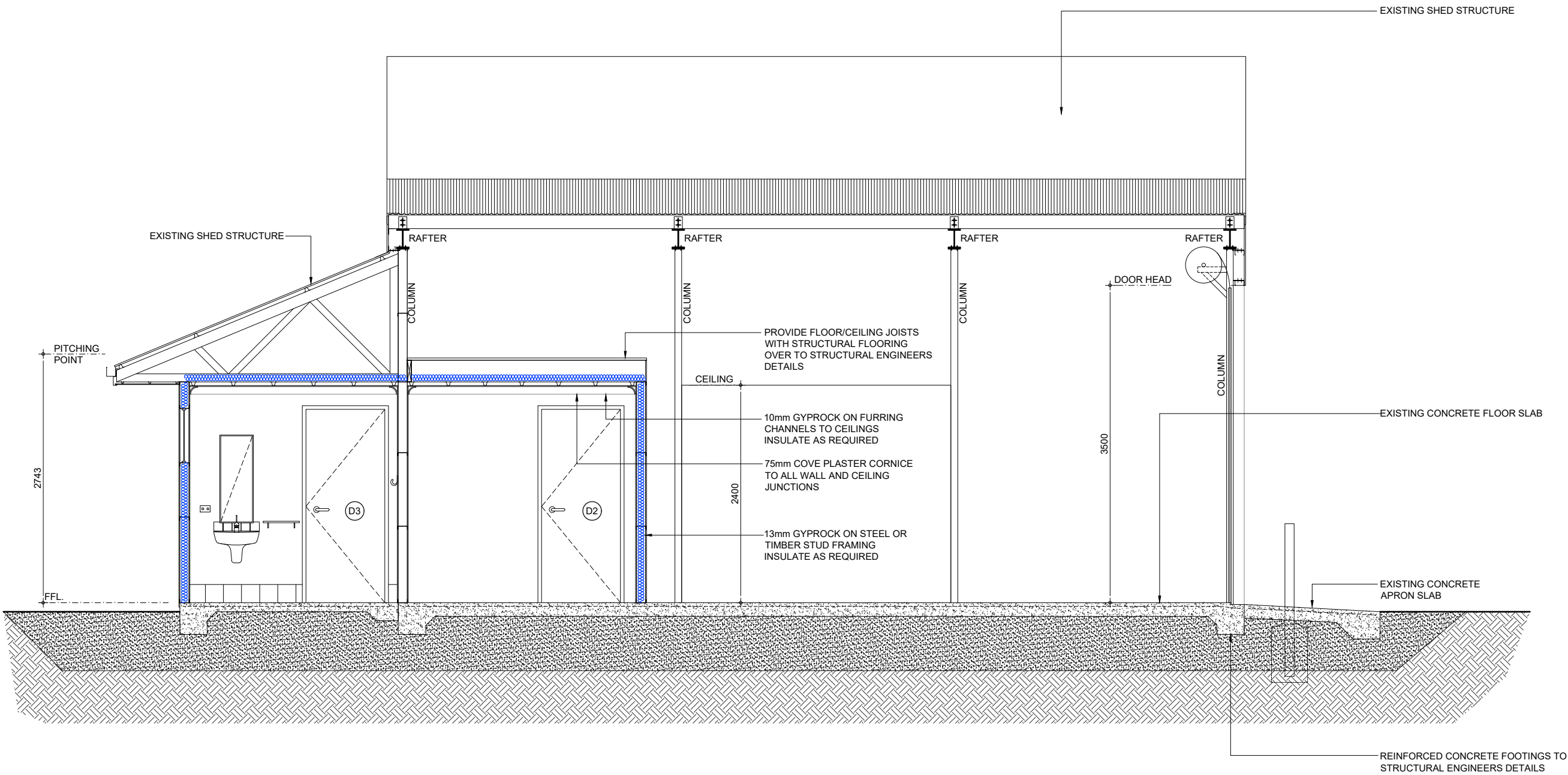


INTERNAL ELEVATION E4





SECTION A  
SCALE 1:50

 <b>DIAL BEFORE YOU DIG</b> www.1100.com.au													
AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE		INFRASTRUCTURE		 <b>Shire of Dardanup</b>  Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 629 653  Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au	
A	ISSUED FOR COMMENT	B.B.	11.03.2025					PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE					
					DRAWN B.B.	DRAWN DATE 10.03.2025	TARDIS RECORD NUMBER	SECTION A					
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.								
								DRAWING NO. <b>2025-BDG-124-04</b>					
DATUM.		AHD		SHEET NO.		SHEET SIZE							
GRID SYSTEM		GDA94											



SECTION **B**  
SCALE 1:50

														
AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE		INFRASTRUCTURE				
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN	DRAWN DATE	TARDIS RECORD NUMBER	PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE		DRAWING NO. 2025-BDG-124-05				
					B.B.	10.03.2025		SECTION B		DATUM. AHD GRID SYSTEM GDA94				
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			SHEET NO.		SHEET SIZE				
										Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653			Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au	

DOOR SCHEDULE:									
DOOR NUMBER	TOTAL	DOOR TYPE	PANEL TYPE	PANEL FINISH	FRAME TYPE	FRAME FINISH	HEIGHT	WIDTH	ADDITIONAL INFORMATION / COMMENTS
D1	2	INTERNAL SWING DOOR	SOLID CORE PLY FACE	PAINT FINISH GLOSS WHITE	STEEL	PAINT FINISH GLOSS WHITE	2040mm	620mm	'D' TYPE HARDWARE TO BE INSTALLED IN ACCORDANCE WITH THE NCC AND AS 1428.1.
D2	1	INTERNAL SWING DOOR	SOLID CORE PLY FACE	PAINT FINISH GLOSS WHITE	STEEL	PAINT FINISH GLOSS WHITE	2040mm	920mm	'D' TYPE HARDWARE TO BE INSTALLED IN ACCORDANCE WITH THE NCC AND AS 1428.1.
D3	1	INTERNAL SWING DOOR	SOLID CORE PLY FACE	PAINT FINISH GLOSS WHITE	STEEL	PAINT FINISH GLOSS WHITE	2040mm	920mm	LEVER ACTION HARDWARE AND SIGNAGE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE NCC AND AS 1428.1.
WINDOW SCHEDULE:									
WINDOW NUMBER	TOTAL	WINDOW TYPE	FRAME TYPE	FRAME FINISH	GLAZING	HEAD	SILL	ADDITIONAL INFORMATION / COMMENTS	
W1	1	1450W x 1200H SLIDING WINDOW	PROPRIETARY ALUMINIUM FRAMES	POWDERCOATED COLORBOND - 'CLASSIC CREAM'	CLEAR SINGLE GLAZING	2143mm AFL	1586mm AFL	INSTALL STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. FRAMES TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.	


DOOR NOTES:

- 1) CONTRACTOR TO SUPPLY AND INSTALL KEY LOCK MECHANISMS TO ALL EXTERNAL DOORS AND AS NOTED IN THE SCHEDULE.  
2) CONTRACTOR TO SUPPLY AND INSTALL LOCKING MECHANISMS TO ALL BATHROOM AND TOILET DOORS. FITMENTS TO UAT TO BE IN STRICT ACCORDANCE WITH AS 1428.1.  
3) CONTRACTOR TO SUPPLY AND INSTALL LIFT OFF HINGES TO ALL BATHROOM AND TOILET DOORS IN STRICT ACCORDANCE WITH THE BCA.  
4) CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY DOOR HARDWARE.  
5) REFER TO FLOOR PLAN FOR DOOR ORIENTATION.

WINDOW NOTES:

- 1) CONTRACTOR TO SUPPLY AND INSTALL KEY LOCK MECHANISMS TO ALL EXTERNAL WINDOWS.  
2) CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY WINDOW HARDWARE.  
3) CONTRACTOR TO SUPPLY AND INSTALL WINDOW BAR SECURITY SCREENS.  
4) REFER TO ELEVATIONS FOR WINDOW SLIDING DIRECTION.



AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE			<div> <b>Shire of Dardanup</b> <div><div>Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653</div><div>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</div></div></div>		
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 10.03.2025	TARDIS RECORD NUMBER	PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE						
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			WINDOW AND DOOR SCHEDULE	DRAWING NO. <b>2025-BDG-124-06</b>					
								DATUM.	AHD	SHEET NO.				
					GRID SYSTEM	GDA94								

GENERAL NOTES:

VERTICAL DATUM :  
AUSTRALIAN HEIGHT DATUM (AHD)  
HORIZONTAL DATUM :  
GDA94 / MGA zone 50  
1. DO NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONS ARE TO THE FACE OF FRAMING OR STRUCTURE. ANY DISCREPANCIES ARE TO BE REFERRED TO THE PROJECT SUPERVISOR FOR A DECISION PRIOR TO COMMENCEMENT OF ANY WORK.  
2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS.  
3. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.  
4. ALL FIXTURES AND FITTINGS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE RELEVANT STANDARDS FOR 'DESIGN FOR ACCESS AND MOBILITY', IN PARTICULAR AS 1428.1 AND THE BUILDING CODE OF AUSTRALIA.  
5. SURVEY/CONTOURS FROM SITE SURVEY BY BCE SURVEYING PTY LTD.  
6. SERVICES, SUCH AS SEWER, WATER, GAS, COMMUNICATIONS, ELECTRICITY AND DRAINAGE SERVICES, MAY BE ENCOUNTERED DURING CONSTRUCTION OF THE WORKS. SERVICES INFORMATION SHOWN ON DRAWINGS IS INDICATIVE ONLY AND MAY NOT BE COMPLETE. BEFORE EXCAVATION COMMENCES THE LOCATION OF ALL SUCH SERVICES SHALL BE OBTAINED FROM THE RELEVANT AUTHORITIES BY THE CONTRACTOR.  
7. THE CONTRACTOR SHALL CO-ORDINATE THE LOCATION OF ALL EXISTING AND PROPOSED SERVICES PRIOR TO COMMENCEMENT OF WORK. ANY CONFLICTS ARE TO BE REPORTED TO THE PROJECT SUPERVISOR IMMEDIATELY.  
8. THE CONTRACTOR SHALL PROVIDE A SAFE WORKING ENVIRONMENT FOR THE DURATION OF THE WORKS. THE CONTRACTOR SHALL HAVE IN PLACE PROJECT SAFETY AND RISK MANAGEMENT SYSTEMS WHICH COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT AND WORK SAFE WA REQUIREMENTS.  
9. THE CONTRACTOR SHALL LIMIT ACCESS TO THE WORKS TO THE SITEWORKS BOUNDARY. EXISTING VEGETATION ETC. OUTSIDE OF THE BOUNDARY TO BE PROTECTED.  
10. ALL TREES SHALL REMAIN UNDISTURBED UNLESS SPECIFICALLY NOTED ON THE PLANS OR ADVISED BY THE SHIRE.  
11. THE CONTRACTOR SHALL REMOVE FROM SITE ALL RUBBISH WITHIN THE SITEWORKS BOUNDARY TO AN APPROVED DISPOSAL SITE.  
12. THE CONTRACTOR IS TO ENSURE THE STABILITY OF ALL STRUCTURES DURING ALL PHASES OF CONSTRUCTION.  
14. ALL PROPOSED WORKS TO BE LOCATED ON SITE WITH SPOT PAINT AND APPROVED BY THE PROJECT SUPERVISOR, PRIOR TO COMMENCEMENT OF ANY WORK.

SITEWORKS NOTES:

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION, BUT WHERE NO DETAIL IS PROVIDED, TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.  
2. CONTRACTOR SHALL PROVIDE ALL SIGNING, LIGHTING AND FLAGMEN NECESSARY TO ENSURE SAFETY OF THE PUBLIC AND OF THE WORKS.  
3. LOCATE ALL LEVELS FROM EXISTING SURVEY MARKS. ALL SURVEY MARKS SHALL BE PROTECTED.  
4. EXISTING VEGETATION SHALL NOT BE DISTURBED BEYOND THE EXTENT OF WORK.  
5. ALL FILL SHALL BE CLEAN NON PLASTIC MATERIAL FREE FROM VEGETATION AND OTHER DELETERIOUS MATERIAL AND CERTIFIED AS SUITABLE FOR RESIDENTIAL LAND USE.  
6. ALL FILL SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 300mm THICKNESS AND COMPACTED TO A DENSITY NOT LESS THAN 95% MAXIMUM DRY DENSITY.  
7. CONTRACTOR SHALL TIE IN OF NEW SURFACE TO FINISH FLUSH WITH EXISTING SURFACE.

CONTRACTOR SCOPE OF WORKS:

THE CONTRACTORS OBLIGATIONS LISTED BELOW INCLUDE, BUT ARE NOT LIMITED TO:  
1. DESIGN AND CONSTRUCT THE BUILDING IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND RELEVANT STANDARDS.  
2. PROVIDE A CERTIFICATE OF DESIGN COMPLIANCE.  
3. APPLY FOR AND OBTAIN A BUILDING PERMIT. THE SHIRE OF DARDANUP WILL WAIVE THE APPLICATION FEE.  
4. PROVIDE A CERTIFICATE OF CONSTRUCTION COMPLIANCE.  
5. MAKE APPLICATION TO CONSTRUCT OR INSTALL AN APPARATUS FOR THE TREATMENT OF SEWAGE.

INSULATION:

1. ALL EXTERNAL AN INTERNAL STUD WALLS TO BE INSULATED WITH R2.5 INSULATION BATTS.  
2. ALL CEILINGS TO BE INSULATED WITH R4.1 BATTS.  
3. ALL ROOFS TO BE FITTED WITH 'AIR-CELL GLARESHEILD' OR SIMILAR APPROVED.  
4. BUILDING TO BE WRAPPED IN 'ENVIROSEAL PROCTORWRAP' OR SIMILAR APPROVED.  
5. ALL INSULATION TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

INTERNAL FINISHES:

1. ALL INTERNAL DRY AREA WALLS TO BE CLAD WITH 13mm PLASTERBOARD.  
2. ALL INTERNAL DRY AREA CEILINGS TO BE CLAD WITH 10mm PLASTERBOARD.  
3. ALL INTERNAL WET AREA WALLS AND CEILINGS TO BE CLAD WITH 10mm MOISTURE RESISTANT PLASTERBOARD. REFER TO ROOM ELEVATIONS FOR EXTENT OF TILED FINISH.  
4. ALL INTERNAL DRY AREAS TO BE FITTED WITH 75mm COVE CORNICE. SELECTED PAINT FINISH.  
5. ALL INTERNAL DRY AREAS TO BE FITTED WITH 68mm MDF SKIRTING BOARDS. PAINT FINISH WHITE GLOSS.  
6. ALL WALL AND CEILING FINISHES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

FLOOR FINISHES:

1. FLOOR FINISHES TO THE EXISTING BUILDING ARE TO REMAIN AS IS. ALL CARE SHOULD BE TAKEN NOT TO DAMAGE THE EXISTING FLOORS DURING INSTALLATION OF THE BUILDING ELEMENTS.  
2. ALL TOILETS TO HAVE NON SLIP TILED FLOORS FINISHED TO FALLS AND GRADED TO WASTE.  
3. FLOORS TO THE STORE, AIRLOCK, WASHROOM, VEHICLE SHED AND EQUIPMENT STORE TO BE SEALED CONCRETE WITH A NON SLIP FINISH.  
4. ALL FLOOR FINISHES TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE BCA.

TERMITE TREATMENT:

1.PROVIDE APPROVED CHEMICAL OR BARRIER TERMITE TREATMENT TO THE UNDERSIDE AND PERIMETER OF ALL FLOOR SLABS.  
2. INSTALL ANTI TERMITE SLEEVES TO ALL SERVICES WHICH PENETRATE THE SLAB.  
3. ALL TREATMENTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, THE BCA AND AS.3660.

FIRE SAFETY:

1. PORTABLE FIRE EXTINGUISHERS TO BE INSTALLED IN STRICT ACCORDANCE WITH AS.2444 AND THE BCA.  
2.SMOKE ALARMS TO BE INSTALLED IN STRICT ACCORDANCE WITH AS.3786 AND THE BCA.

ELECTRICAL:

1. ALL ELECTRICAL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH ALL RELEVANT AUSTRALIAN STANDARDS AND THE BCA.  
2. SUPPLY EMERGENCY LIGHTING INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS TO COMPLY WITH AS.2229 AND THE BCA.  
3. INSTALL RCD'S TO ALL WIRING CIRCUITS IN STRICT ACCORDANCE WITH AS.3000.

PLUMBING:

1. ALL PLUMBING WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH ALL RELEVANT AUSTRALIAN STANDARDS AND THE BCA.  
2. APPROVED SEPTIC SYSTEM TO BE INSTALLED TO THE SATISFACTION OF THE SHIRE OF DARDANUP HEALTH DEPARTMENT.  
3. SPECIFIED RAINWATER TANK TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. INSTALL APPROVED PUMP AS REQUIRED TO SUPPLY WATER FROM THE TANK TO THE FIXTURES INDICATED ON THE DRAWINGS. PRESSURE WITHIN THE BUILDING TO BE WITHIN PLUMBING CODE STANDARDS. NO PRESSURE RAISING DEVICES ARE TO BE INSTALLED.  
4. ALL DOWNPIPES TO BE FITTED WITH STAND-OFF CLIPS AND LEAF DIVERTERS. CONNECT ALL DOWNPIPES TO RAINWATER TANK WITH CHARGED LINE.  
5. APPROVED INSTANTANEOUS ELECTRICAL HOT WATER SYSTEM TO BE INSTALLED AS REQUIRED TO SUPPLY HOT WATER TO THE FIXTURES INDICATED ON THE DRAWINGS.

SECURITY:

1. INSTALL MOTION DETECTING ALARMED SECURITY SYSTEM TO THE EXISTING BUILDING AND THE EXTENSIONS. PROPOSED ALARM SYSTEM TO BE SUBMITTED TO THE SHIRE OF DARDANUP FOR APPROVAL PRIOR TO INSTALLATION. REFER TO ELECTRICAL PLAN FOR LOCATION OF MOTION DETECTORS / CAMERAS.  
2. ALARM SYSTEM TO COMPLY WITH ALL RELEVANT AUSTRALIAN STANDARDS AND REGULATIONS.  
3. PROVIDE STEEL WINDOW BAR SECURITY SCREENS FIXED TO FACE OF BUILDING STRUCTURE. APPLY TO ALL EXISTING AND NEW EXTERNAL WINDOWS. MIN. VERTICAL CTS. OF BARS 100mm - MAX. 150mm. TO BE ADEQUATELY TREATED FOR MAXIMUM CORROSION RESISTANCE. COLORBOND 'BUSHLAND' FINISH.



AMENDMENT DESCRIPTION		BY	DATE	APPROVED	REVIEWED FOR CONSTRUCTION	AUTHORISED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DRAWING TITLE	INFRASTRUCTURE		DRAWING NO. 2025-BDG-124-07		<div>Shire of Dardanup</div> <div>Administration Centre Eaton P.O Box 7017- 1 Council Drive Eaton Western Australia 6232 ABN: 57 305 829 653</div> <div>Telephone 08 9724 0000 Facsimile 08 9724 0091 Online www.dardanup.wa.gov.au</div>	
A	ISSUED FOR COMMENT	B.B.	11.03.2025		DRAWN B.B.	DRAWN DATE 10.03.2025	TARDIS RECORD NUMBER	PROPOSED INTERNAL MODIFICATIONS TO FERGUSON VOLUNTEER BUSH FIRE BRIGADE						
					THIS DRAWING IS AND SHALL REMAIN THE SOLE PROPERTY OF 'THE SHIRE OF DARDANUP'. THE DRAWING MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED, AND MAY NOT BE LENT, SHOWN, COPIED OR OTHERWISE DUPLICATED WITHOUT THE WRITTEN AUTHORISATION OF THE OWNER.			GENERAL NOTES	SHEET NO.		SHEET SIZE		DATUM. AHD GRID SYSTEM GDA94	

## RISK ASSESSMENT TOOL

**OVERALL RISK EVENT:** Ferguson Volunteer Bushfire Brigade Shed Extension

**RISK THEME PROFILE:**

4 - Document Management Processes

15 - Purchasing and Supply

**RISK ASSESSMENT CONTEXT:** Strategic

CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
HEALTH	New extension will be connected to existing septic system and adding infrastructure must comply with health standards	Minor (2)	Possible (3)	Moderate (5 - 11)	Health officer has reviewed risk and as the numbers of occupants/users are not increasing, the risk is very low and existing septic system is confirmed as adequate	Insignificant (1)	Unlikely (2)	Low (1 - 4)
FINANCIAL IMPACT	Overall project cost exceeds budget.	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Project has been split into two phases to facilitate budget shortfall	Minor (2)	Unlikely (2)	Low (1 - 4)
SERVICE INTERRUPTION	While works are being undertaken, the existing building and services can possibly be interrupted and building be unusable when water tank is moved and existing services are disconnected	Moderate (3)	Likely (4)	High (12 - 19)	The volunteer bushfire personnel to be briefed and advised to have alternative option in place in case of fire or emergency call-outs during this time. Trucks to be filled from Upper Ferguson and Wellington Mills VBFB during this time.	Minor (2)	Unlikely (2)	Low (1 - 4)
LEGAL AND COMPLIANCE	Procurement non-compliance when procuring goods and/or services, possible litigation. Record keeping non-compliance.	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	This project has been to the market multiple times and scope adjusted. Ensure record keeping is in place on official shire platforms for auditing purposes.	Insignificant (1)	Unlikely (2)	Low (1 - 4)
REPUTATIONAL	The Council could be seen in a negative light if this project does not proceed as Shire has been out to market three times for pricing. There is an	Major (4)	Likely (4)	High (12 - 19)	Receiving additional funds for earthworks and negotiating with the successful contractor to amend pricing will ensure project continuation.	Minor (2)	Unlikely (2)	Low (1 - 4)

CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
	expectation by DFES and the Ferguson VBFB that the Shire will find a workable solution for this project to proceed.							
ENVIRONMENT	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.
PROPERTY	No risk event identified for this category.	Not Required - No Risk Identified	N/A	N/A	Not required.	Not required.	Not required.	Not required.