PORT PIRIE REGIONAL COUNCIL
CEMETERIES MASTERPLAN

JUNE 2025



Port Pirie
Regional Council

PREPARED BY:

FOR:

Acknowledgments

The Port Pirie Regional Council Cemeteries Masterplan has been prepared using the skills, experience and inspiration of many people, including, but not limited to:

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Key stakeholders including local community groups, funeral directors and contractors

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Executive Summary

The Port Pirie Regional Council Cemeteries Masterplan provides a strategic approach for the planning and management of the eight cemeteries owned by the Council. It aligns with the objectives of the Port Pirie Cemetery Strategy 2023–2033, addressing key issues such as interment capacity, infrastructure upgrades, environmental considerations, and cultural needs. The plan ensures consistency, regulatory compliance, and long-term sustainability across the cemetery network.

The network includes one urban site at Port Pirie and seven rural sites at Napperby, Warnertown, Crystal Brook, Wandearah, Redhill, Koolunga and Keilli covering a total area of 79.36 hectares. Currently, 40.2% of this area is in use, while 59.8% remains available for future development. On average, there are 142 first interments each year, with body burials making up 80% and ash interments comprising 20%. Over the next 20 years, it is anticipated that the popularity of ash interments will grow, necessitating approximately 4,289 first body and ash interment plots, which will require an estimated 1.34 hectares of land.

The Port Pirie Cemetery, being the largest and the only urban site, handles the majority of interments and will be the main focus for future planning and investment. In contrast, the rural cemeteries experience lower interment rates, and many already have sufficient infrastructure for both body and ash interments, limiting the need for significant development or expansion.

With an ageing population and an increasing demand for interments—particularly at Port Pirie and Crystal Brook—the masterplan supports a shift towards more efficient land use and diverse interment options. Despite existing environmental and land constraints, the network is expected to meet demand for at least the next ten years, providing a clear foundation for future investment and planning.

Image: Port Pirie Cemetery historical monumental burials

1 Section One
Introduction

Port Pirie Regional Council acknowledges the Nukunu people as the traditional owners and custodians of the lands of the Port Pirie township and northern regions and the Kaurna people in southern parts of the region.

We honour their ongoing cultural and spiritual connections to country and pay our respects to their Elders past and present. We respect the cultural heritage, customs and beliefs of all Indigenous peoples and extend that respect to other Aboriginal and Torres Strait Islander people who live in the region.

1.1 Background

Port Pirie Regional Council is required under the South Australia Burial and Cremation Act 2013 to ensure there is sufficient provision for interments for residents. Under this legislation Council is mandated to establish and maintain cemeteries.

The Port Pirie Cemetery Strategy (the strategy) was adopted in 2023 to guide the development, management and continuous improvement of cemetery services within Council-owned cemeteries for the next ten years and beyond.

This strategy recognises the significant role cemeteries play in our society. They not only support a sense of community but also reflect the local history and cultures that have shaped the Port Pirie Region. Cemeteries serve as important places where family and friends can honour and remember their loved ones in accordance with their cultural practices and beliefs.

Section seven of the strategy, presents a cemetery provision improvement plan that prioritises the creation of masterplans for the cemetery network. A key action outlined in the strategy is to rectify the absence of long-term layout plans for each cemetery.

At present, Port Pirie cemeteries are planned, designed and developed on an individual basis. A network approach to planning, design, and development is crucial for meeting medium-to long-term interment needs, ensuring consistency of interment and asset development across the region and ensuring that funding is appropriately allocated to specific cemeteries or assets.

This masterplan document should be read alongside the strategy, as this offers vital preliminary planning and context related to the network of Port Pirie cemeteries.

1.2 Purpose of the Masterplan

This masterplan aims to deliver comprehensive, long-term layout plans and identify future development opportunities at each cemetery, ensuring design consistency across the Port Pirie region and alignment with the Cemetery Strategy.

The masterplan ensures sufficient interment space, infrastructure improvements, and environmental management, while also preserving heritage. It aligns with regulatory requirements, caters to diverse community needs and preferences, and enhance visitor accessibility and amenities. Furthermore, the masterplan will address maintenance and safety issues to ensure that cemeteries remain dignified, functional, and well-managed for future generations.

Eight cemeteries are included in this masterplan:

- Port Pirie
- Napperby
- Warnertown
- Crystal Brook
- Wandearah
- Redhill
- Koolunga
- Keilli

While we acknowledge that there are other cemeteries or historical burial sites across the Port Pirie region, the masterplan will focus on the eight Council-owned and managed active cemeteries listed above.

The implementation priorities that will be developed as part of the masterplan process will provide valuable insights for the next stage of planning and design of the cemetery network ensuring sufficient space and diverse interment options are available to:

- ensure adequate and suitable land is available for interments over the next 10 years (2023 - 2033),
- plan at a high level for interments for the next 10-20 years (2033 - 2043),
- identify high level, future network requirements for 20-50 years and beyond (2043+)

1.3 Vision

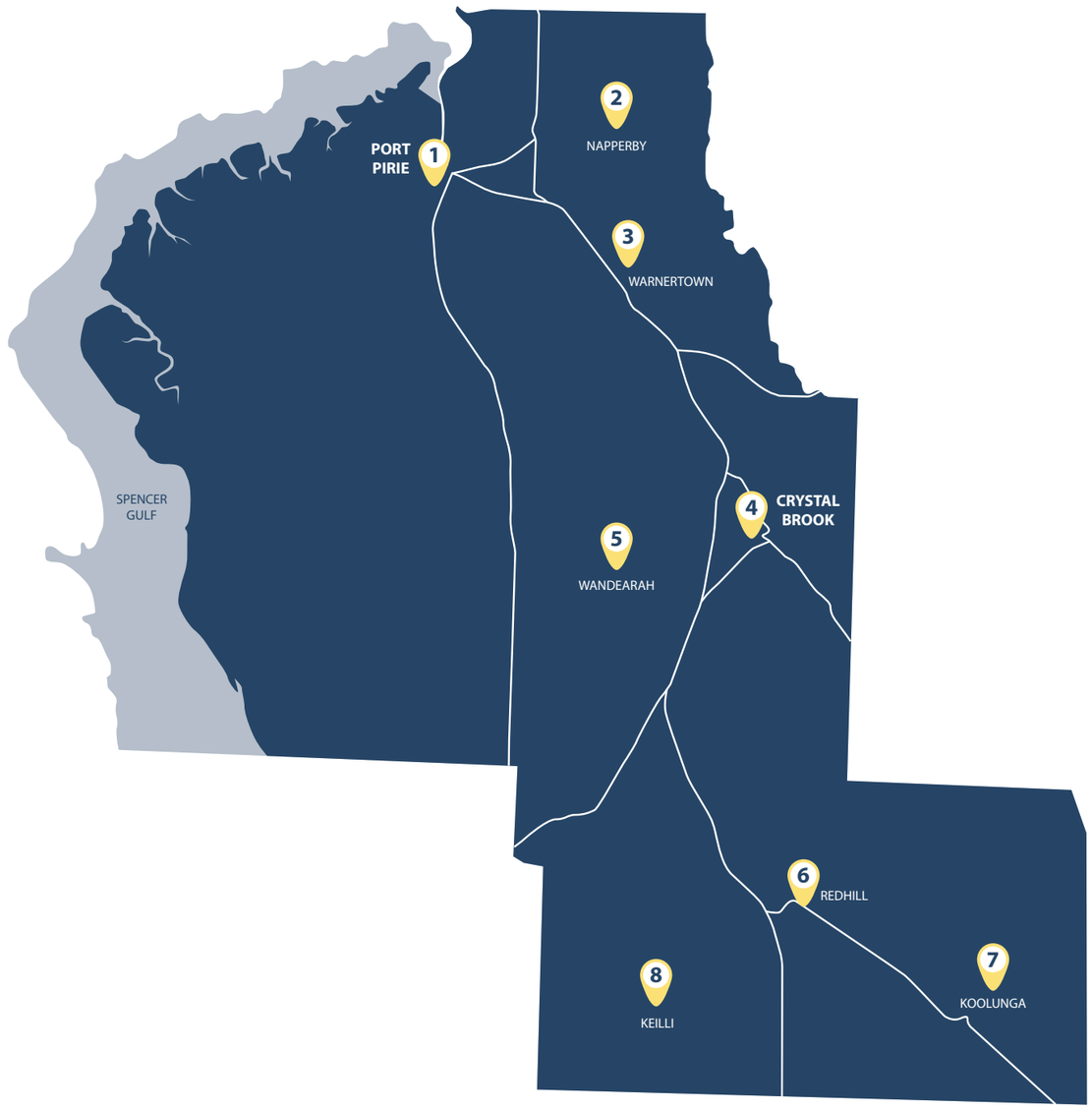
This masterplan expands on the vision of the Port Pirie Cemetery Strategy 2023-2033:

“A region where all cemeteries are developed and maintained to create a pleasant, safe, peaceful, and sustainable environment and all burials are managed with compassion, competency and efficiency.”

2 Section Two
Port Pirie Cemeteries Network

2.1 Network Overview

The Port Pirie Regional Council oversees a network of eight cemeteries within its jurisdiction, serving as vital cultural and historical landmarks for the community. Among them, Port Pirie Cemetery is the only urban cemetery and the largest, accounting for 84% of all interments within the network.



2.2 Network Overview Table

	Name	Owner	Property Information (refer to map reference in Section 5)	Title Conditions	Area (Ha)
1	Port Pirie Cemetery	Port Pirie Regional Council	1 A6338: Sections 24, 37 and 48 Hundred of Pirie in the area named Port Pirie West	(Property parcel area 1) No conditions	29.04
			2 A6338: Section 38 Hundred of Pirie in the area named Port Pirie West	(Property parcel area 2) No conditions	
			3 A6338: Section 1090 Hundred of Pirie in the area named Port Pirie West	(Property parcel area 3) In trust to permit suffer and to be used at all times as a cemetery reserve.	
			4 A6338: Section 1089 Hundred of Pirie in the area named Port Pirie West	(Property parcel area 4) In trust to permit and suffer the said piece of land to be used at all times as a plantation reserve	
			5 A6337: Section 39 Hundred of Pirie in the area named Port Pirie West	(Property parcel area 5) No conditions	
2	Napperby Cemetery	Inner property parcel (1): Port Pirie Regional Council	1 A9595: Section 383 Muster Drive, Napperby	Inner property parcel area (1): In trust to permit suffer and to be used at all times as a public cemetery.	7.26
		Outer property parcel (2): Crown Land, under PPRC care and control	2 A9596: Section 384 Muster Drive, Napperby	Outer property parcel (2): Land dedicated for cemetery purposes pursuant to the Crown Lands Act, 1929 by Gazette 26/04/1877.	
3	Warnertown Cemetery	Inner property parcel (1): Port Pirie Regional Council	1 A9597: Section 385 Farruges Drive, Warnertown	Inner property parcel area (1): No conditions	6.37
		Outer property parcel (2): Crown Land, under PPRC care and control	2 A9598: Section 386 Farruges Drive, Warnertown	Outer property parcel (2): (2) Land dedicated for cemetery purposes pursuant to the Crown Lands Act, 1929 by Gazette 20/11/1879.	
4	Crystal Brook Cemetery	Inner property parcel (1): Port Pirie Regional Council	1 A1120: (1) Section 823 Huddleston Road, Crystal Brook SA 5523	Inner property parcel (1): No conditions	6.99
		Outer property parcel (2): Crown Land, under PPRC care and control	2 (2) Section 840 Huddleston Road, Crystal Brook SA 5523	Outer property parcel (2): Land dedicated for cemetery purposes pursuant to the Crown Lands Act, 1929 by Gazette 07/01/1875 (Control granted by Gazette 11/12/1930).	
5	Wandearah Cemetery	Port Pirie Regional Council	1 A10035: Section 182 Old Broughton Road, Wandearah West SA 5523	No conditions	8.99
6	Redhill Cemetery	Inner (1) and outer (2) property parcels: Crown Land, under PPRC care and control	1 A1533: Section 851 Old Cattle Track, Redhill SA 5523	Inner and outer property parcels (1 & 2): Land dedicated for cemetery purposes pursuant to the Crown Lands Act, 1929 by Gazette 27/11/1873.	7.36
			2 Section 856 Old Cattle Track, Redhill SA 5523		
7	Koolunga Cemetery	Inner property parcel (1): Port Pirie Regional Council	1 A1305: Lot 376 Govt Road, Koolunga, SA 5464	(1) In trust to permit suffer and to be used at all times as a public cemetery	7.32
		Outer property parcel (2): Crown Land, under Crown control	2 Section 367 Valley Road, Koolunga SA 5464	(2) Land Dedicated For Cemetery Purposes Pursuant To The Crown Lands Act, 1929 By Gazette 28/09/1876	
8	Keilli Cemetery	Inner property parcel (1):	1 Section 852 Ingram Gap Road, Mundoora SA 5555	(1) In trust to permit suffer and to be used at all times as a public cemetery.	6.03
		Outer property parcel (2): Crown Land, under the care and control of the Minister for Environment & Water	2 Section 857 Hundred Of Redhill In The Area Named Mundoora	(2) Land Dedicated For Cemetery Purposes Pursuant To The Crown Lands Act, 1929 By Gazette 14/09/1876	

NOTES:

1. All area calculations have been sourced from Nature Maps parcel / CT areas and SAPPA for consistency
2. For more detailed information regarding cemetery land areas refer to Section 4

(#) Number references relate to cemetery parcel area maps in Section 5.

3 Section Three
Project Methodology

3.1 Key Project Timeline

KICK OFF
SEPTEMBER 2024

Key objectives and processes confirmed.

PHASE ONE

REVIEWING EXISTING DOCUMENT AND EARLY SITE ANALYSIS
SEPTEMBER - NOVEMBER 2024

PHASE TWO

EARLY CAPACITY AND INTERMENT TREND REVIEW
OCTOBER 2024

Early analysis of first interments by cemetery, type of interment and date over the past 5 years to determine trends.

PHASE THREE

PRE-MASTERPLAN CONSULTATION AND ENGAGEMENT
KEY STAKEHOLDER SURVEY
24 OCTOBER -
14 NOVEMBER 2024

Survey sent to cemeteries contractor, funeral director, RSL and other key stakeholders

PHASE FOUR

CEMETERY ASSET AND SITE ANALYSIS AND DETAILED INTERMENT CAPACITY REVIEW
NOVEMBER 2024

Site visit with key staff, cemeteries contractor and key stakeholders to understand site use, challenges, and opportunities.
Finalisation of analysis and planning maps that will feed into the draft masterplan.

PHASE FIVE

DRAFT MASTERPLAN
NOVEMBER - MARCH 2025

Findings reviewed from key stakeholder survey and draft text and plans prepared.

PHASE SIX

COUNCIL ENDORSEMENT OF DRAFT MASTERPLAN
APRIL 2025

Draft masterplan plan approved by Council.

PHASE SEVEN

DRAFT MASTERPLAN CONSULTATION AND ENGAGEMENT
APRIL/MAY 2025
(21 DAY PERIOD)

Public survey to seek feedback on draft masterplan.

PHASE EIGHT

REFINE MASTERPLAN
MAY 2025

Feedback reviewed and amendments to the masterplan considered.
Implementation priorities for development are proposed.

FINAL MASTERPLAN
JUNE 2025

Council adopts Masterplan

4 Section Four
Network Opportunities and Constraints

4.1 Population and Demographics

Port Pirie Regional Council spans an area of 1,760 km² and is home to approximately 17,280 residents. According to the 2021 Census, around 80% of the region's population (13,896 people) reside in the Port Pirie urban area.

A significant portion of the population (85.9%) was born in Australia, with 5.2% identifying as Aboriginal and/or Torres Strait Islander. The region has an ageing demographic, with 21% of residents over the age of 65 in 2021, a figure projected to rise to 25% by 2036. The annual death rate over the past five years has been 6.7 deaths per 1,000 people, which is above the national average of 5.2 per 1,000. This higher mortality rate has resulted in an increasing number of interments, particularly at Port Pirie Cemetery.

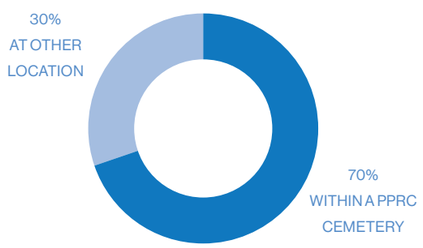
The Cemetery Strategy highlights that Catholicism is the predominant religion in Port Pirie, with 25% of the population identifying as Catholic—a notably higher percentage than the regional South Australian average of 14%. This is largely attributed to the area's significant Italian and Greek communities, who were historically drawn to the region by the fishing industry. As a result, burial preferences at Port Pirie Cemetery tend to favour traditional burials over cremation.

Additionally, Port Pirie has a notable Muslim population, and a designated Muslim burial section exists within Port Pirie Cemetery. However, no interments have taken place in this section to date.

4.2 Interment Trends and Preferences Across the Network

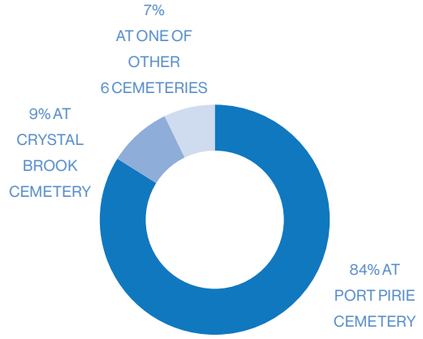
Approximately 70% of Port Pirie residents are interred in a cemetery within the Port Pirie region. The remaining 30% are interned outside of the region, scattered as ashes outside of a cemetery or kept with a family member or loved one in their residence.

PERCENTAGE OF TOTAL INTERMENTS WITHIN A PORT PIRIE REGIONAL COUNCIL (PPRC) CEMETERY



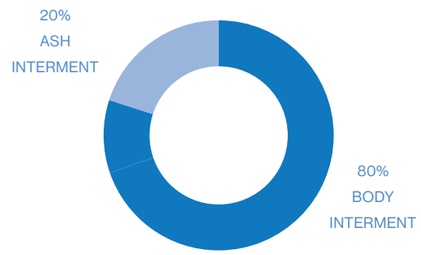
Over the past five years, an average of 142 interments have taken place annually across the Port Pirie cemeteries. Among these, 84% occurred at Port Pirie Cemetery, 9% at Crystal Brook Cemetery, and the remaining 7% at one of the six smaller rural cemeteries in the region.

PERCENTAGE OF INTERMENTS AT EACH PORT PIRIE REGIONAL COUNCIL CEMETERY



Within the cemetery network, traditional body burials account for 80% of interments, while ash interments make up the remaining 20%. At Port Pirie Cemetery, ash interments represent 34% of total interments, with a gradual annual increase of 1%. Despite this growth, the percentage remains significantly lower than the national average of 70% for ash interments.

BODY / ASH INTERMENT RATIO ACROSS THE NETWORK



What does this mean for design?

Given the increasing demand for interments at Port Pirie Cemetery, the masterplan prioritises expanding interment options. The following interment types are currently available across the network:

Current Interment Types and Across the Network:

Body Interment Options:



Lawn burial



Monumental burial

Ash Interment Options:



Memorial tree



Rose garden / garden of memories



Ash dry garden / raised plot



Niche wall

Additionally, several designated interment areas exist within the network, including:

- Port Pirie Garden of Memory War Cemetery
- Protestant / Catholic burial areas (Port Pirie)
- Muslim burial area (Port Pirie)
- Stillborn babies memorial (Port Pirie)
- Children's burial areas

Nationally, cremation rates have surpassed traditional burials in many areas due to factors such as cost, environmental concerns, and evolving cultural and religious attitudes. Green burials are also gaining popularity, offering environmentally sustainable interment options that forgo embalming chemicals, metal caskets, and concrete vaults. Some cemeteries have introduced natural burial sections to accommodate this growing trend.

Additionally, memorial trees have emerged as an alternative form of memorialisation, where families plant trees in place of traditional headstones. Some service providers offer biodegradable urns that foster tree growth, merging commemoration with ecological restoration.

Port Pirie Cemetery's approach focuses on expanding ash interment options, allowing for more efficient land use and addressing increasing demand. There is also growing interest in establishing natural burial options.

4.3 Land Ownership and Management

Land ownership of the eight Council managed cemeteries is largely with Council, with some land owned by the Crown and managed by Council. There are three types of land ownership/management scenarios that determine the ability to inter or to develop assets on dedicated cemetery land:

1. Council owned and managed land designated for cemetery use: The Port Pirie and Wandearah Cemeteries are solely owned and managed by PPRC. For the cemeteries at Napperby, Warnertown, Crystal Brook, Koolunga and Keilli, the inner property parcel is owned and managed by PPRC.
2. Crown owned land managed by Council and designated for cemetery use: This applies to the outer property parcel at Napperby, Warnertown, Crystal Brook, and the entirety of Redhill Cemetery.
3. Crown land managed by Department for Environment and Water (DEW) designated for cemetery use: This applies to the outer property parcels at Koolunga and Keilli Cemeteries.

4.4 Land Use, Climate and Planning Context

Several environmental and land-use factors influence cemetery development in the Port Pirie region. The presence of a major lead smelter has led to contamination concerns, requiring lead-safe practices such as lawn irrigation and mulching at Port Pirie Cemetery to mitigate exposure to contaminated soil and airborne lead dust.



Agriculture is also a key industry in the region, with some rural cemetery lands being leased for cropping. This requires careful planning

to ensure land availability for cemetery expansion while considering potential agrochemical contamination.



Certain areas of Port Pirie Cemetery are low-lying with a high water table. According to best practice guidelines from the World Health Organisation (WHO), burials should be at least 1,000mm above the highest natural water table. To comply with these guidelines, burials in these areas should be avoided, or mitigation measures should be implemented, such as raising ground levels or restricting burials to first interments only.

4.5 Summary of Network Capacity

Section 4.6 provides a detailed analysis of the existing Network Capacity.

For rural cemeteries, excluding Crystal Brook, interment capacity is expected to be adequate beyond 20 years due to lower demand.

However, at the two highest-demand cemeteries, Port Pirie and Crystal Brook, land constraints may limit future interments beyond 20 years.

The overall cemetery network has sufficient capacity to meet demand for at least the next 10 years, provided recommended developments from the Cemetery Strategy and this masterplan are implemented.

4.6 Existing Network Overview Table

CEMETERY TYPE U - URBAN R - RURAL			AREA (ha and %)			AREA IN USE (ha and %)							AREA SUITABLE FOR FUTURE USE (ha)				AVERAGE ANNUAL FIRST INTERMENTS (LAST 5 YEARS 2019 - 2023)			INDICATIVE FIRST INTERMENT PLOTS AND AREA (ha) REQUIRED IN THE SHORT TERM (NEXT 20 YEARS 2023 - 2043)		
			COMMUNITY LAND / COUNCIL LAND	CROWN LAND	TOTAL AREA (ha)	BURIAL INTERMENT	ASH INTERMENT	TOTAL INTERMENT	INTERNAL ROADS	INTERNAL PARKING	VEGETATED LAND / OTHER UNSUITABLE	TOTAL AREA IN USE (ha)	SHORT TERM 0-20YRS (ha) (COUNCIL OWNED LAND AND COUNCIL MANAGED CROWN LAND)	LONG TERM 20 YEARS+ (ha) (CROWN OWNED AND COUNCIL MANAGED LAND)	LONG TERM 20 YEARS+ (ha) (CROWN LAND NOT MANAGED BY COUNCIL)	TOTAL AREA SUITABLE FOR FUTURE USE (ha)	AVERAGE TOTAL NUMBER FIRST INTERMENTS	% FIRST BODY BURIAL INTERMENTS	% FIRST ASH INTERMENTS	FIRST INTERMENT BODY BURIAL PLOTS / AREA (ha) REQUIRED	FIRST INTERMENT ASH PLOTS / AREA (ha) REQUIRED	TOTAL INTERMENT PLOTS / AREA (ha) REQUIRED
1.	**Port Pirie**	U	29.04	N/A	29.04	5.95	0.14	6.09	1.62	0.21	5.75	13.67	1.32	14.05	N/A	15.37	119	66%	34%	2399 0.99ha	1395 0.2ha	3794 1.01 ha
2.	**Napperby**	R	1.99	5.27	7.26	0.08	0.00	0.08	0.07	0.16	2.17	2.48	0.05	4.73	N/A	4.78	2	100%	0%	42 0.02 ha	0 (existing niche wall allows for 14 spaces)	42 0.02 ha
3.	**Warnertown**	R	1.97	4.40	6.37	0.25	0.00	0.25	0.09	N/A on Road Res.	0.47	0.81	0.04	5.52	N/A	5.56	3	72%	28%	51 0.03 ha	0 (existing niche wall allows 14 niches)	51 0.03 ha
4.	**Crystal Brook**	R	2.04	4.95	6.99	1.48	0.02	1.50	0.40	0.38	4.19	6.47	0.20	0.32	N/A	0.52	13	76%	24%	307 0.17 ha	12 (new niche garden allows 36 niches)	319 0.17ha
5.	**Wandearah**	R	8.99	N/A	8.99	0.16	0.00	0.16	0.01	N/A on Road Res.	4.05	4.22	0.003	4.76	N/A	4.773	1	100%	0%	9 0.002 ha	0 (existing niche wall allows for 9 spaces)	9 0.002 ha
6.	**Redhill**	R	N/A	7.36	7.36	0.56	0.00	0.56	0.18	0.19	0.75	1.68	N/A	5.68	N/A	5.68	2	87%	13%	37 0.02 ha	0 (existing ash structure sufficient - 5 plots required)	37 0.09 ha
7.	**Koolunga**	R	1.75	5.57	7.32	0.27	0.00	0.27	0.04	0.26	0.30	0.87	0.02	0.89	5.54	6.45	1	71%	29%	14 0.008 ha	0 (existing niche wall sufficient - 5 niches required)	14 0.008 ha
8.	**Keilli**	R	1.42	4.59	6.03	0.55	0.00	0.55	0.04	0.46	0.62	1.67	0.02	0.20	4.14	4.36	1	73%	27%	23 0.01 ha	0 (existing niche wall allows for 12 spaces)	23 0.01 ha
			47.22	32.14	79.36												142	80%	20%	2882	1407	4289

NOTES / ASSUMPTIONS:

1. Interment numbers were provided by Council staff and have been used to calculate average interments at each cemetery
2. The above table considers first* interments only in calculating percentages.
   * first interments = the first ash or body interment within the plot
3. All area calculations have been sourced from Nature Maps parcel / CT areas for consistency
4. Existing burial and ash interment plots that have not had interments to date have been excluded from these calculations
5. Calculations for the areas required in the short term have been based on the following average land requirement values:
   (note that pathways/maintenance access and garden areas have been included in the calculations where relevant)
   - Burial - Lawn: 3.5m2 (Port Pirie only)
   - Burial - Monumental / Vaulted: 5.5m^2
   - Ash Interment (average niche/lawn/garden area): 1.4m2
6. A percentage of 75% lawn burial to 25% monumental burial has been taken into account for Port Pirie Cemetery based on past interments and trends



Image: Napperby Cemetery with the Flinders Ranges in the background

5 Section Five
Site Analysis

5.1 Port Pirie Cemetery Site Analysis

Port Pirie Cemetery Summary

TYPE **Urban Cemetery**

AREA **29.04 Ha**
15.37Ha available for future use

NO. **119 interments per year on average**
(66% body burials, 34% ash interments)

Port Pirie Cemetery is the largest and only urban cemetery within the Port Pirie Regional Council's network. Spanning a significant area, it offers a wider range of burial and ash interment options compared to the other seven cemeteries. The cemetery land straddles Moppet Road, with a large undeveloped portion on the north side of the road.

Due to its low-lying nature and high water table, future burial sites may be limited or require land elevation to remain feasible.

Current Interment Options

Body Interment Options:

- lawn burial
- monumental burial

Ash Interment Options:

- memorial tree
- rose garden / garden of memories
- niche wall

Specific Interment Areas:

- Port Pirie Garden of Memory War Cemetery
- Muslim burial area
- stillborn babies memorial
- children's burial area



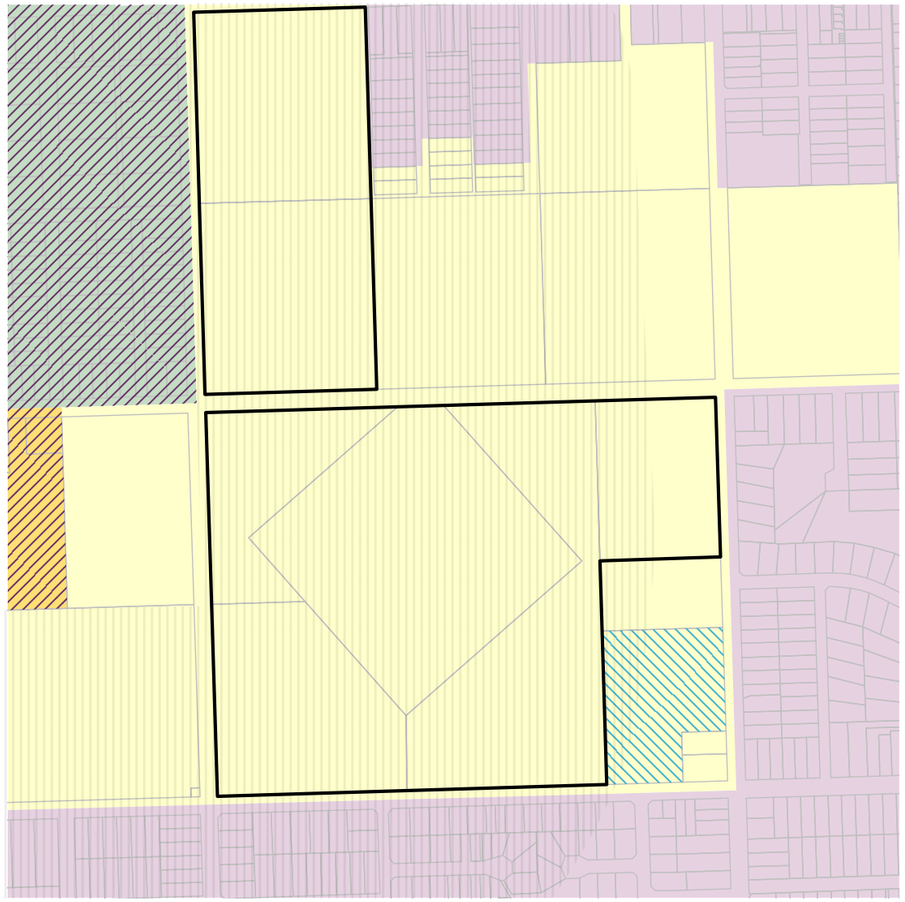
LEGEND

SCALE - 1:3500@A3

(#) Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Port Pirie Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Port Pirie Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

- Cemetery masterplan extent
- Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

- Community Facilities
- Conservation
- Rural Living
- Suburban Neighbourhood

SOUTH AUSTRALIA P&D CODE SUB-ZONES

- Visitor Experience

OVERLAYS

- **Whole site** Coastal Flooding
- Building near Airfields
- **Whole site** Hazards (Flooding - Evidence Required)
- **Whole site** Hazards (Bushfire - Urban Interface)
- **Whole site** Native Vegetation

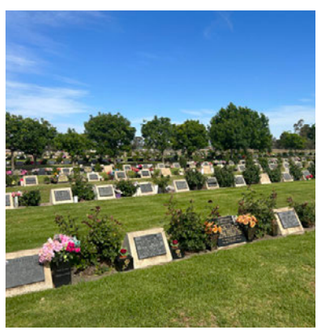
OTHER

- Section 83A Notification of site contamination of underground water
- **Whole site** Earthquake Hazard Zone - factor of more than 0.11

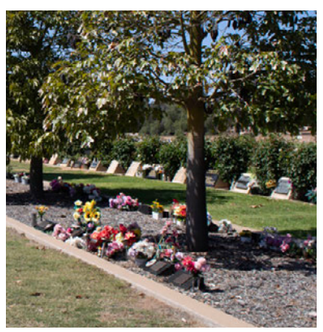
Key Focus Areas for Port Pirie Cemetery:

- Extend interment sections to increase interment capacity on the site for the next 20 years including irrigation where required.
- Introduce a variety of ash interment options to utilise the site more efficiently.
- Re-define plot layouts in the new monumental burial section to ensure adequate access between rows for vehicles during construction and for ongoing maintenance.
- Develop the planned Muslim burial area, ensuring alignment with GIS mapping for head positioning toward Mecca.
- Investigate the expansion of the RSL memorial area.
- Investigate the long-term feasibility of developing future interment areas with underlying geotechnical or hydrological constraints.
- Extend existing and develop new internal roads including assigning names to currently unnamed roads.
- Enhance parking facilities including the designation of mobility carparks, formalisation of the main carpark and provision of a second, unformalised carpark near the Port Pirie Garden of Memory Cemetery.
- Prioritise and implement a wayfinding strategy (on-site signage and online block and plot ID).
- Support the Port Pirie History Group's initiative to name unmarked graves, with potential funding to undertake the project from community groups.
- Plan for additional amenity and shade tree planting and biodiversity improvements to enhance visitor experience prior to development of new sections.
- Explore options for additional seating, prioritising accessibility and durability.
- Address the need for improved cemetery maintenance facilities, including expanded storage and power access for battery-operated equipment. Investigate the potential for stockpiling and reusing mulch from fallen branches and storm debris and excess soil from graves on-site. Continue to mulch and irrigate where required to reduce lead exposure and consider further mitigation strategies.
- Explore the feasibility of developing the northern section of cemetery land (2043+) including investigating the establishment of a local crematorium, a dedicated funeral venue and space for future burial trends and interment innovations.
- Improve regular maintenance including:
  - tree pruning,
  - removal of leaf litter and other plant material,
  - removal of protruding roots where possible to reduce trip hazards,
  - removal of dead or dying trees and succession planting,
  - removal and replacement of dead or dying roses,
  - rose maintenance,
  - levelling and maintenance of lawn areas where possible,
  - irrigation system maintenance,
  - removal of pot holes in roads,
  - regular pathway and road maintenance, and
  - pest control (bull ants, bees, spiders).

Port Pirie Cemetery Photos

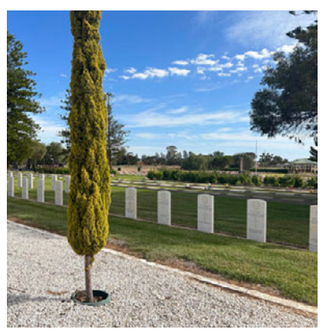

Lawn burial plots (rose position)


Monumental burials


Memorial tree section (ash plots)


Rose garden / garden of memories


Niche walls


Port Pirie Garden of Memory War Cemetery


Stillborn babies memorial

5.2 Napperby Cemetery Site Analysis

Napperby Cemetery Summary

TYPE **Rural Cemetery**

AREA **7.26 Ha**
4.78Ha available for future use

NO. **2 interments per year on average**
(100% body burials)

Napperby Cemetery overlooks the Flinders Ranges to the east, offering a scenic and peaceful resting place in a rural setting.

Between 60 and 90 millimetres of rain fell in February 2014 causing widespread flooding in Napperby and across the site. Works have been undertaken as part of the 'Greening Port Pirie Project' to form bunds either side of the water course to direct any future flows/flood events.

Undeveloped sections of the cemetery are currently leased for cropping.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall



LEGEND

SCALE - 1:1200@A3

Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Napperby Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Napperby Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

- Cemetery masterplan extent
- Property boundaries

SOUTH AUSTRALIA P&D CODE ZONE

- Rural Living

OVERLAYS

- **Whole site** Hazards (Flooding - Evidence Required)
- **Whole site** Hazards (Bushfire - General Risk)
- **Whole site** Native Vegetation
- Limited Land Division
- Water Resources - 50m setback from water course

OTHER

- **Whole site** Earthquake Hazard Zone - factor of more than 0.11
- Water Courses

Key Focus Areas for Napperby Cemetery:

- Extend the cemetery into the adjacent leased cropping area, adjusting the lease arrangement accordingly and maintaining the existing grave layout. Ensure sufficient capacity for interments on the site for the next 20 years.
- Consider working with local community groups and grants to address the presence of unmarked burials, with potential initiatives for identification and recognition.
- Extend existing and develop new internal roads and pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Plan for additional amenity and shade tree planting and biodiversity improvements to enhance visitor experience prior to development of new sections.
- Improve site resilience against environmental challenges, including past flooding from the Flinders Ranges, and evaluate ongoing maintenance needs for the Greening Project tree plantings.
- Explore options for additional seating, prioritising accessibility and durability.
- Continue to mulch where required to reduce lead exposure and consider further mitigation strategies.
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Improve cemetery entrance fencing and gates, ensuring accessibility for all ages and abilities is maintained.
- Continue to lease the outer cemetery land for cropping.
- Seek Crown land approval for any proposed modifications to the outer rectangle of the cemetery.
- Improve regular maintenance including:
  - spraying,
  - pathway maintenance, and
  - pest control (bull ants).

Napperby Cemetery Photos



Entry signage and fencing


Shelter with water tank and tap


Niche wall


Leased, cropped area


Monumental burials overlooking the Flinders Ranges

5.3 Warnertown Cemetery Site Analysis

Warnertown Cemetery Summary

TYPE **Rural Cemetery**

AREA **6.37 Ha**
5.56 Ha available for future use

NO. **3 interments per year on average**
(72% body burials, 28% ash interments)

Warnertown Cemetery is a small, rural cemetery managed by the Port Pirie Regional Council, serving the Warnertown community and surrounding areas. It is nestled at the foothills of the southern Flinders Ranges and offers traditional interment options.

Undeveloped sections of the cemetery are currently leased for cropping.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall

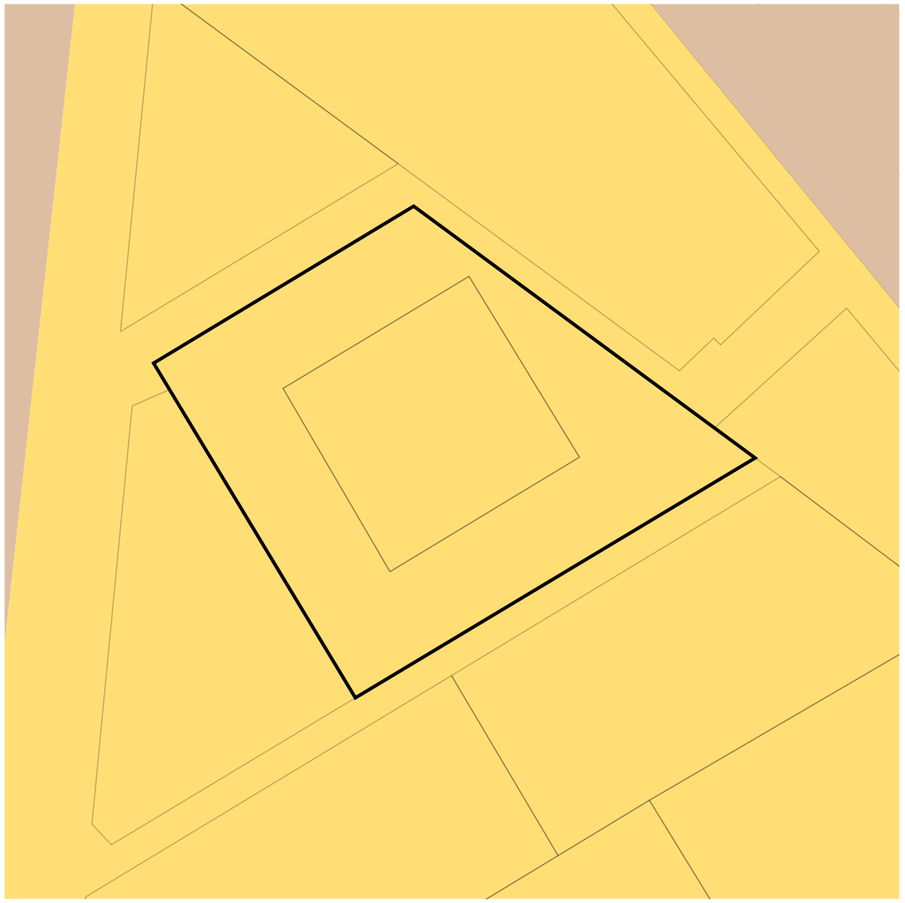


LEGEND

Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Warnertown Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Warnertown Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



KEY

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural Living

OVERLAYS

Whole site Hazards (Flooding - Evidence Required)

Whole site Hazards (Bushfire - General Risk)

Whole site Native Vegetation

Whole site Limited Land Division

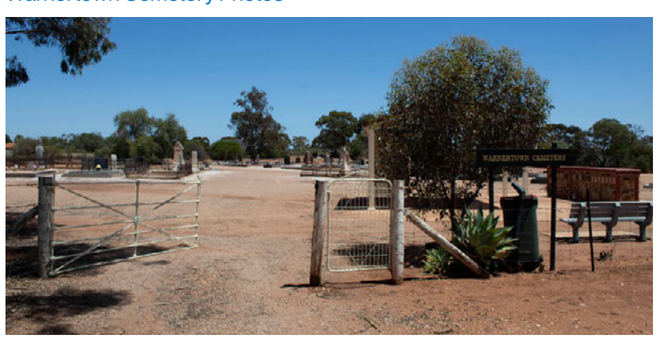
OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Warnertown Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years.
- Extend existing and develop new internal roads and pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Continue to improve the amenity and shade tree planting including the recently planted peppercorn trees on the north-eastern boundary.
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Improve cemetery entrance fencing and gates, ensuring accessibility for all ages and abilities is maintained.
- Improve regular maintenance including:
  - spraying,
  - pathway maintenance,
  - regular rubbish removal, and
  - pest control (bull ants).
- Continue to lease the outer cemetery land for cropping.

Warnertown Cemetery Photos



Entry signage, fencing and gate



Monumental burials



Shelter, water tank with tap and niche wall



Shelter, water tank with tap and niche wall



Recently planted native vegetation

5.4 Crystal Brook Cemetery Site Analysis

Crystal Brook Cemetery Summary

TYPE **Rural Cemetery**

AREA **6.99 Ha**
0.52 Ha available for future use

NO. **13 interments per year on average**
(76% body burials, 24% ash interments)

Crystal Brook Cemetery is the second-largest burial ground within the Port Pirie Regional Council's jurisdiction.

With a more noticeable slope than the other cemeteries this provides natural drainage towards the ephemeral water bodies at the base of the slope. During extreme weather events the cemetery and surrounding areas are prone to flash flooding. Improvements to redirect water through kerbs, channels and swales to better manage heavy rainfall have been undertaken across the site.

In addition to its historical and cultural significance, the cemetery is surrounded by native vegetation, which is recorded as a flora site with the Department for Environment and Water (DEW) under reference 17317.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall
- ash dry garden

Specific Interment Areas:

- children's burial area



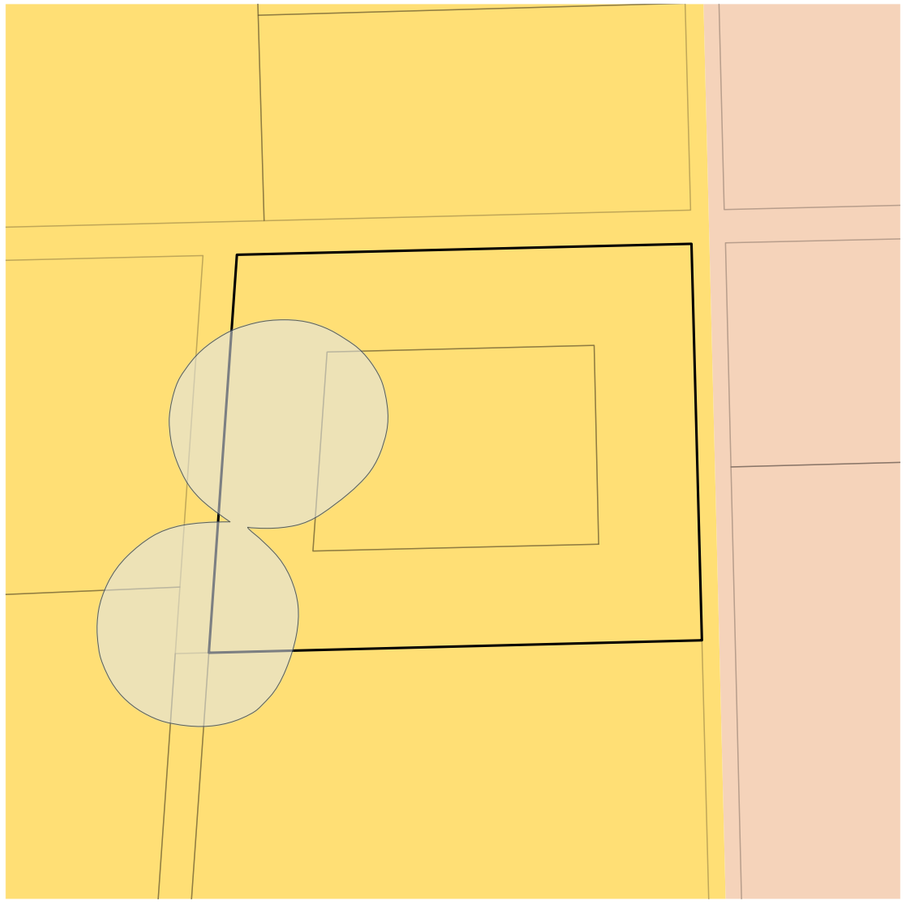
LEGEND

SCALE - 1:1100@A3

(#) Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Crystal Brook Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Crystal Brook Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural Living

Rural

OVERLAYS

Whole site Hazards (Bushfire - General Risk)

Whole site Hazards (Flooding - Evidence Required)

Whole site Native Vegetation

Water Resources

OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Crystal Brook Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years
- Consider the need to plan for the long term expansion of the cemetery into the north-western corner of the site (2043+) due to limited suitable land availability for future interments.
- Extend existing and develop new internal roads and pathways to new interment areas and reconfigure the carpark to improve circulation and entrance/egress safety.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Continue to improve site resilience against environmental challenges, including high rainfall events
- Investigate the need for further water storage on site
- Improve regular maintenance including:
  - spraying
  - pathway maintenance
  - regular rubbish removal
  - pest control (bull ants)

Crystal Brook Cemetery Photos



Carpark with mature native tree planting



Information notice board (left), Shelter with seating and niche wall (at rear)



Dry ash garden (recently installed)



Monumental burials with wayfinding signage



Native vegetation

5.5 Wandearah Cemetery Site Analysis

Wandearah Cemetery Summary

TYPE **Rural Cemetery**

AREA **8.99 Ha**
4.773 Ha available for future use

NO. **1 interment per year on average**
(100% body burials)

Wandearah Cemetery is a well-maintained rural burial ground with a significant area of native vegetation to the rear of the site which is recorded as a flora site with the Department for Environment and Water (DEW) under reference 11938. The cemetery is an important cultural site for the local community, with several generations of families interred at the grounds.

Undeveloped sections of the cemetery are currently leased for cropping by Port Pirie Regional Council.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall

Specific Memorial Areas:

- WWI and WWII Memorial



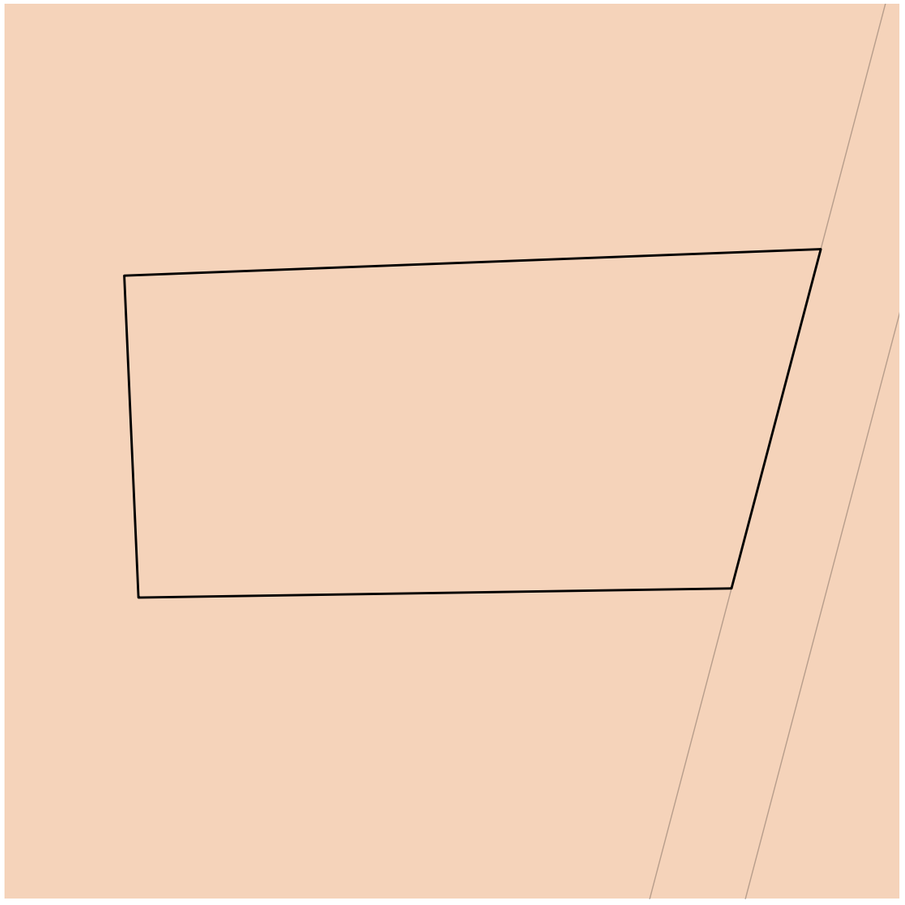
LEGEND

SCALE - 1:1800@A3

Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Wandearah Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Wandearah Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural

OVERLAYS

Whole site Hazards (Flooding - Evidence Required)

Whole site Hazards (Bushfire - General Risk)

Whole site Native Vegetation

OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Whole site Local Variation (TNV) - Minimum Site Area (Minimum site area is 40 ha)

Wandearah Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years.
- Develop new internal pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Improve cemetery entrance fencing and gates with the addition of a pedestrian gate that will ensure accessibility for all ages and abilities is provided but restrict access of unwanted vehicles.
- Continue to lease the outer cemetery land for cropping.

Wandearah Cemetery Photos



Entry signage


Monumental burials with parking behind cemetery fence


WWI and WWII Memorial with niche wall behind


Shelter, water tank with tap and seating


Monumental burials between mature native trees


Covered seating

5.6 Redhill Cemetery Site Analysis

Redhill Cemetery Summary

TYPE **Rural Cemetery**

AREA **7.36 Ha**
5.68 Ha available for future use

NO. **2 interments per year on average**
(87% body burials, 13% ash interments)

Redhill Cemetery is a rural cemetery that is a final resting place to several generations of local families and contains a range of graves, including older, heritage-listed markers that reflect the region's history.

The cemetery is owned by the Crown and managed by Port Pirie Regional Council. Undeveloped sections of the cemetery are currently leased for cropping.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- ash raised plot

Specific Memorial Areas:

- children's burial area



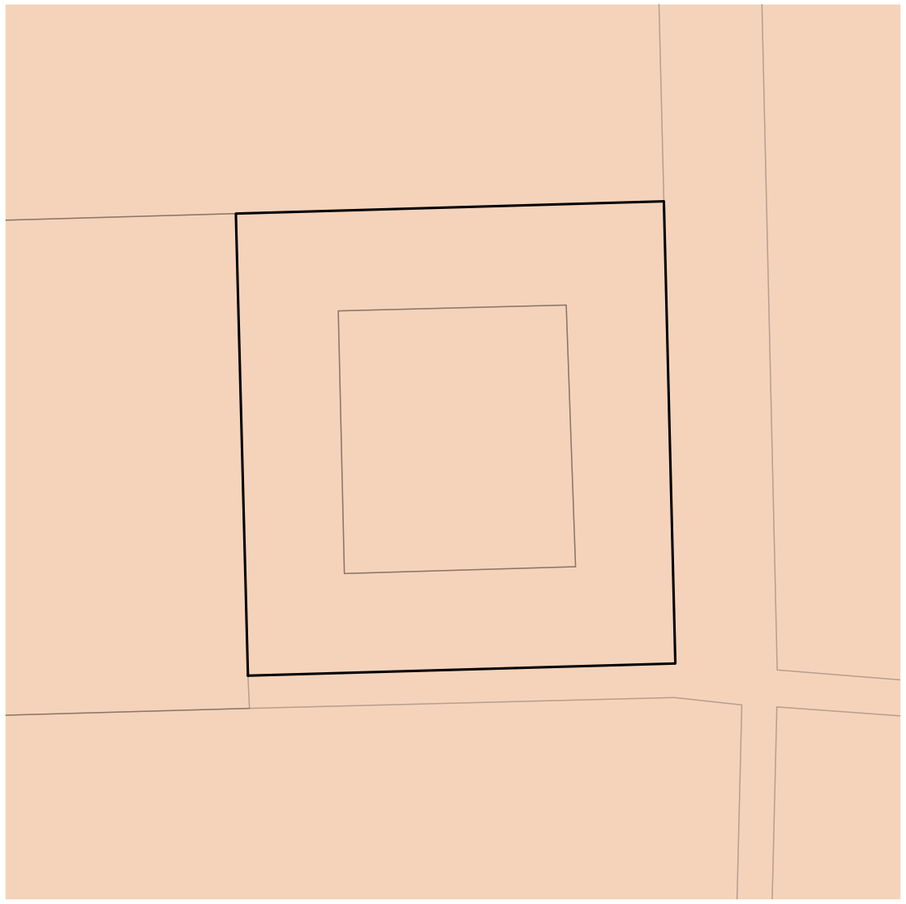
LEGEND

SCALE - 1:1200@A3

Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Redhill Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Redhill Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural

OVERLAYS

Whole site Hazards (Flooding - Evidence Required)

Whole site Hazards (Bushfire - General Risk)

Whole site Native Vegetation

OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Whole site Local Variation (TNV) - Minimum Site Area (Minimum site area is 40 ha)

Redhill Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years.
- Extend existing and develop new internal roads and pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Consider working with local community groups and grants to address the presence of unmarked burials, with potential initiatives for identification and recognition.
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Improve cemetery entrance fencing and gates, ensuring accessibility for all ages and abilities is provided.
- Continue to support local community groups to tidy grave sites from pine needles and cones.
- Continue to lease the unused cemetery land for cropping.
- Continue to improve the amenity and shade tree planting with consideration for succession planting of the pines with a more suitable native specimen that does not drop pine cones or needles.
- Improve regular maintenance including:
  - spraying,
  - pathway maintenance,
  - removal of excess pine needles and tree saplings,
  - regular rubbish removal, and
  - pest control (bull ants).

Redhill Cemetery Photos



Entry signage, fencing and gate


Older monumental burial section with wayfinding signage


Newer monumental burial section


Raised ash plots. Shelter with water tank with tap in background.


Leased, cropped area of the cemetery


Shelter with noticeboard and seating

5.7 Koolunga Cemetery Site Analysis

Koolunga Cemetery Summary

TYPE **Rural Cemetery**

AREA **7.32 Ha**
6.45 Ha available for future use

NO. **1 interment per year on average**
(71% body burials, 29% ash interments)

Koolunga Cemetery is a small rural cemetery that dates back to the mid 1800's. The outer property parcel is Crown land that is dedicated for cemetery purposes, but is under Crown care and control.

Undeveloped sections of the cemetery are currently leased for cropping.

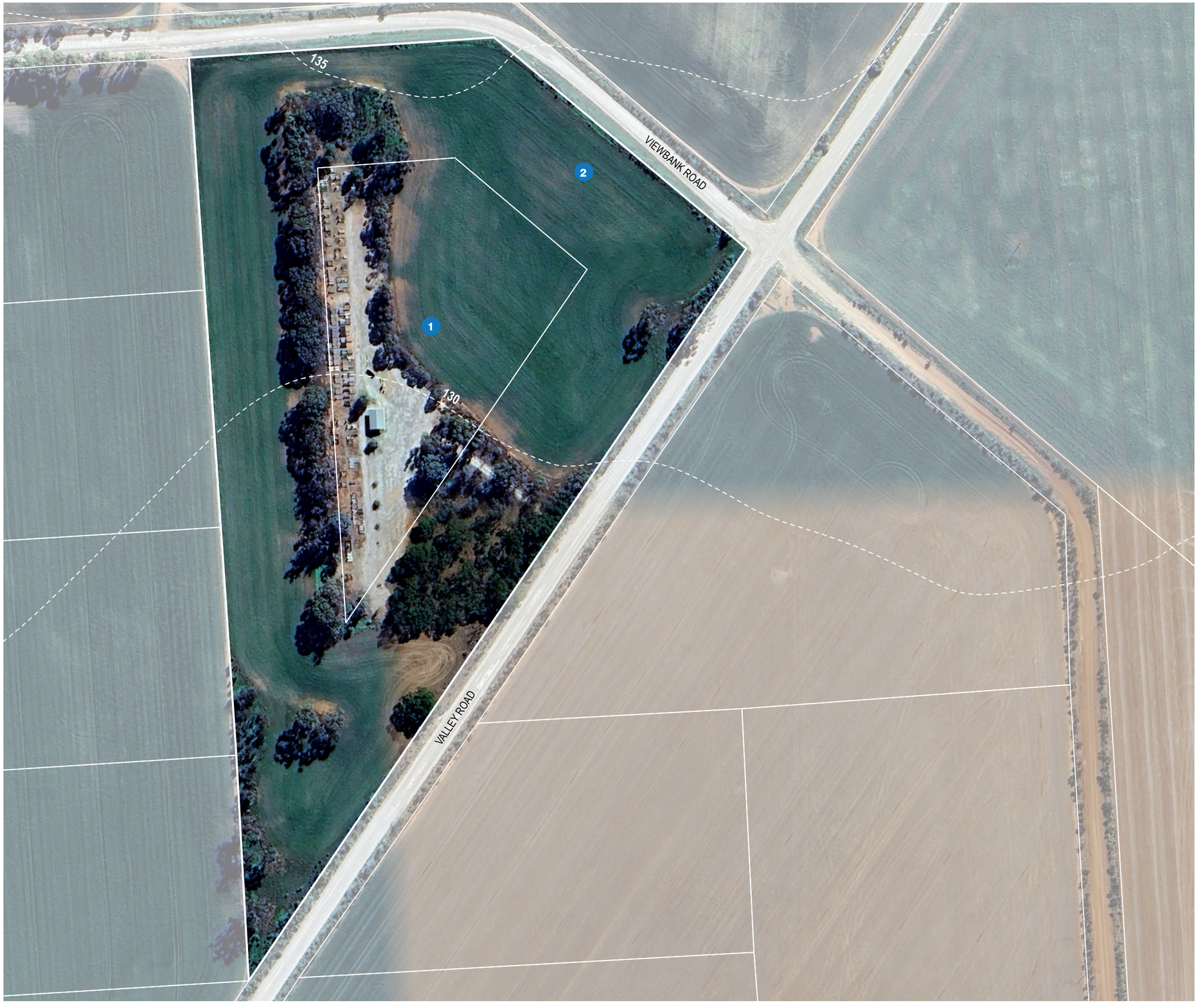
Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall



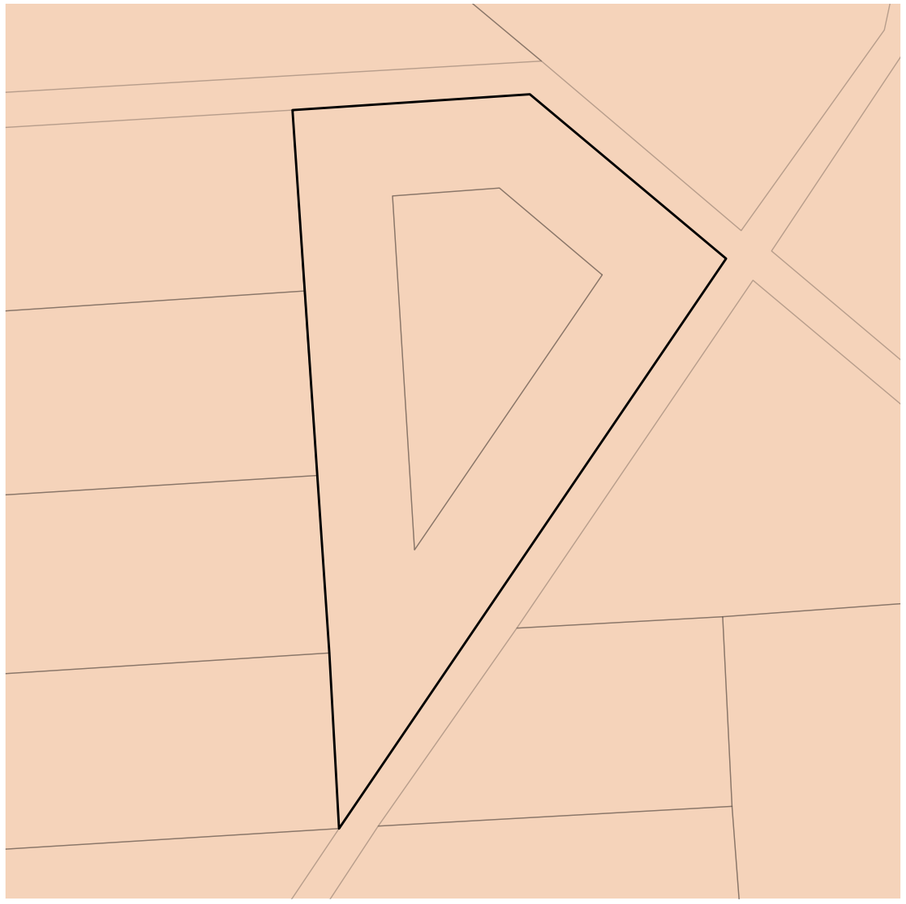
LEGEND

SCALE - 1:2000@A3

(#) Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Koolunga Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Koolunga Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural

OVERLAYS

Whole site Hazards (Flooding - Evidence Required)

Whole site Hazards (Bushfire - General Risk)

Whole site Native Vegetation

OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Whole site Local Variation (TNV) - Minimum Site Area (Minimum site area is 40 ha)

Koolunga Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years.
- Extend existing and develop new internal roads and pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Consider working with local community groups and grants to address the presence of unmarked burials, with potential initiatives for identification and recognition.
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Unused cemetery land to continue to be used for cropping.
- Improve regular maintenance including:
  - spraying,
  - pathway maintenance,
  - regular rubbish removal, and
  - pest control (bull ants / foxes).
- Continue to improve the amenity and shade tree planting.
- Investigate improvements to vehicle circulation and consider the need for parking in the shade.

Koolunga Cemetery Photos

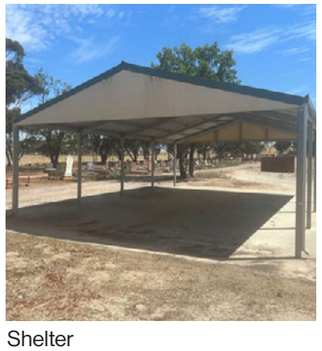


Entry signage and walls


Monumental burials


Niche wall


Noticeboard and seating


Shelter

5.8 Keilli Cemetery Site Analysis

Keilli Cemetery Summary

TYPE **Rural Cemetery**

AREA **6.03 Ha**
4.36 Ha available for future use

NO. **1 interment per year on average**
(73% body burials, 27% ash interments)

Keilli Cemetery is a small, rural burial ground located near the former historic settlement of Keilli. It serves as the final resting place for generations of local families and features a range of graves that reflect the area's pioneering history.

The burial registers for this Keilli Cemetery were destroyed in what locals call the "Blacksmith's fire" of 1926. Despite this, local efforts have helped collate and preserve known records for the site, ensuring it remains a significant cultural and historical landmark.

The outer, undeveloped, Crown owned section of the cemetery is currently leased for cropping or used as a carpark for the cemetery.

Current Interment Options

Body Interment Options:

- monumental burial

Ash Interment Options:

- niche wall



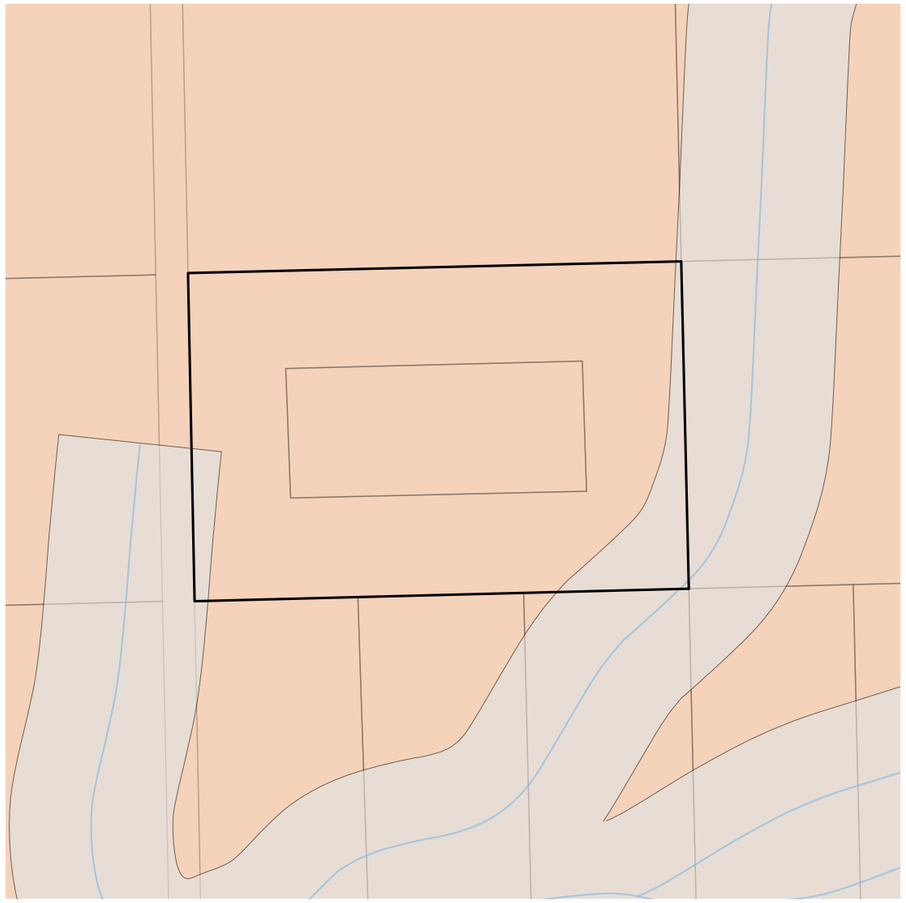
LEGEND

SCALE - 1:1100@A3

Property Parcels *(For detailed ownership and title descriptions of each property parcel within the cemetery area please refer to Section 2 of this document)*

Keilli Cemetery Planning Considerations

The following map and legend provides a concise overview of site planning considerations for Keilli Cemetery from the South Australian Planning and Design Code. For comprehensive land use regulations, please refer to the full Code.



LEGEND

Cemetery masterplan extent

Property boundaries

SOUTH AUSTRALIA P&D CODE ZONES

Rural

OVERLAYS

Whole site Hazards (Flooding - Evidence Required)

Whole site Hazards (Bushfire - General Risk)

Whole site Native Vegetation

Water Resources

OTHER

Whole site Earthquake Hazard Zone - factor of more than 0.11

Whole site Local Variation (TNV) - Minimum Site Area (Minimum site area is 40 ha)

Water courses

Keilli Cemetery Key Focus Areas:

- Ensure sufficient capacity for interments on the site for the next 20 years.
- Extend existing and develop new internal roads and pathways to new interment areas.
- Prioritise and implement a wayfinding strategy (on-site signage, map and online block and plot ID).
- Investigate the potential for stockpiling and reusing soil from graves on-site and providing a stockpile of crusher-dust for families to be able to top up sunken graves.
- Unused cemetery land to continue to be used for cropping.
- Continue to improve the amenity and shade tree planting with consideration for succession planting of the pines with a more suitable native specimen that does not drop pine cones or needles.
- Investigate the provision of an additional area for vehicle parking.
- Improve regular maintenance including:
  - spraying,
  - pathway maintenance,
  - removal of excess pine needles and tree saplings,
  - regular rubbish removal, and
  - pest control (bull ants / foxes).
- Improve cemetery entrance fencing and gates to ensure accessibility for all ages and abilities is provided.

Keilli Cemetery Photos



The tree-lined Keilli Cemetery (centre of image)



Entry signage, fencing, gates and interpretive signage



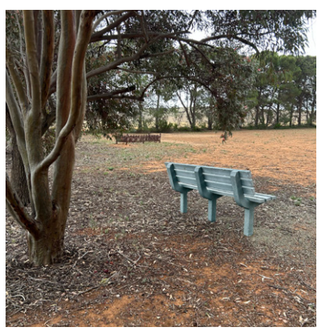
Central internal access road showing monumental burial areas



Niche wall (background)
Bin and seat (foreground)



Shelter with water tank and tap



Seating

6 Section Six
Key Stakeholder and Community Engagement

6.1 Phase 1: Pre-Masterplan Key Stakeholder Engagement

Port Pirie Regional Council was very keen to hear from key stakeholders about their issues and aspirations for cemeteries in the region.

The project was discussed on-site, through individual correspondence, and via a digital survey with the following individuals and organisations:

- Cemeteries contractor / Sexton
- Local funeral director
- RSL Port Pirie
- Key local community associations and groups
- Individuals with expertise in local cemetery matters

Cemetery Network related responses to the public survey, which was open for three weeks from Thursday, October 24, to Friday, November 15, 2024, are summarised in this section.

Feedback related to specific cemeteries has been compiled into Section 5 - Site Analysis of this document.

The numbers:

11 relevant organisations or community groups contacted.

21 key stakeholders engaged.

10 key stakeholders attended site visits.

8 survey responses from individuals, organisations or community groups.

What key stakeholders value about the network:

- Port Pirie Cemetery has a good range of interment options
- cemeteries are easy to find
- cleanliness at most cemeteries is good

Suggested improvements that key stakeholders have for the Network:

- improve burial records
- consistent wayfinding signage across all the cemeteries including:
  - online interactive map for plot identification
  - on site map for plot identification
- planting of more drought-tolerant shade trees
- regular maintenance at isolated rural cemeteries including:
  - spraying
  - pathway maintenance
  - removal of excess pine needles and tree saplings
  - regular rubbish removal
  - pest control (bull ants / foxes)
- improvements to accessibility including re-surfacing roads and addition of crusher dust pathways at the rural cemeteries
- excess soil stockpile from grave digging should be located away from main entrances to rural cemeteries
- consider working with local community groups and grants to address the presence of unmarked burials, with potential initiatives for identification and recognition.

Future interment options supported by key stakeholders:

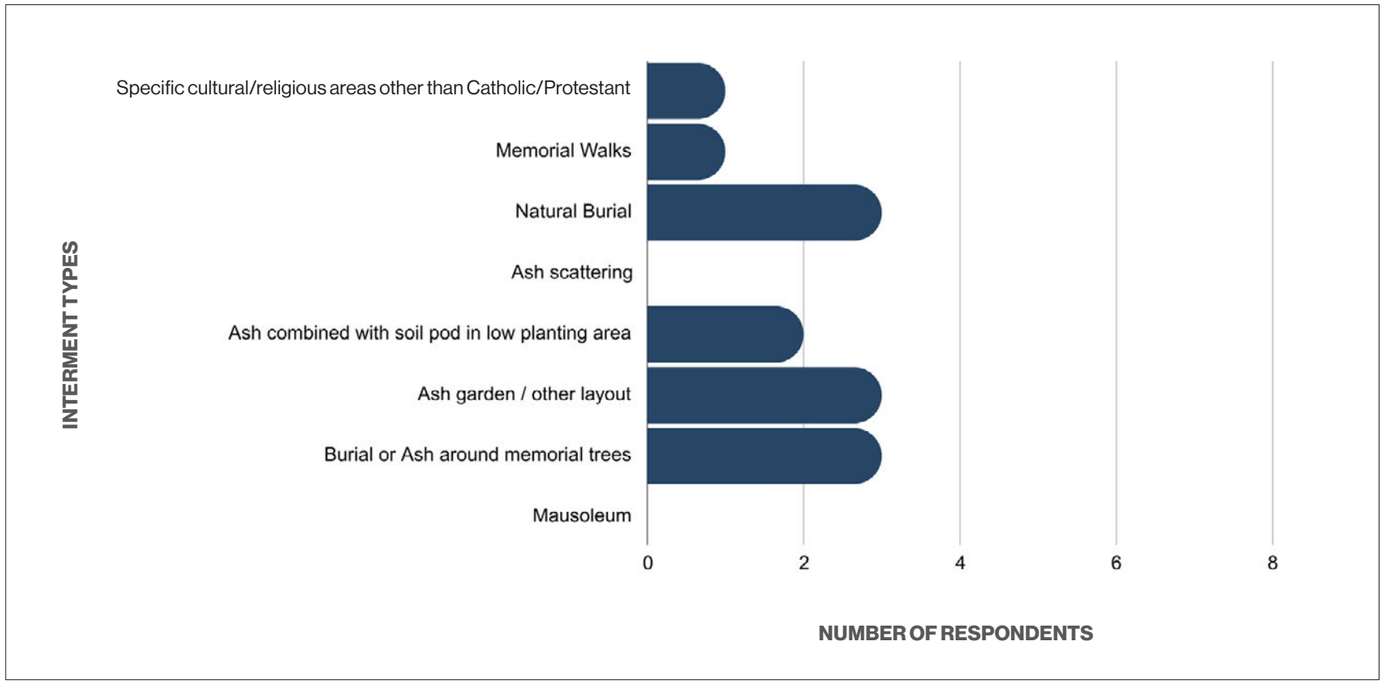




Image (above): Key Stakeholders on site at Keilli Cemetery

6.2 Phase 2: Draft Masterplan Community Engagement

Port Pirie Regional Council released the Draft Port Pirie Cemeteries Masterplan for public consultation in May 2025 and invited anyone with an interest in the future of cemeteries across the region to have their say.

The draft was made available on Council's website, with printed copies provided at the Council Administration Office, the Crystal Brook Office, and the Port Pirie Regional Library.

Community members were able to provide feedback by completing an online survey, submitting written feedback to the Chief Executive Officer by post, or by emailing Council directly.

The submission period was open for three weeks from 7 May 2025 untill Tuesday 27 May 2025.

Submission response summary:

Community feedback on the Draft Port Pirie Cemeteries Masterplan highlighted strong support for the overall direction of the plan, with particular emphasis on the following key themes:

- Widespread support for sealing internal gravel roads to reduce dust, improve safety, and enhance access for elderly and mobility-impaired visitors.
- Requests for increased greenery, tree maintenance, rose garden care, lawn levelling, and improved landscaping to create a more welcoming, respectful, and park-like environment.
- Multiple requests for additional seating, shelters, and shaded areas to support longer, more comfortable visits.
- Strong feedback around improving accessibility for both pedestrians and vehicles, including calls for gently sloped walkways to new ash interment areas.
- Repeated comments seeking better signage, readable and accurate maps (especially for lawn areas), and improved systems to locate graves (e.g. clear lot numbers, rows, and updated public displays).
- Concerns raised about ongoing maintenance across multiple cemeteries.

Feedback received during this second phase of consultation informed the refinement of the draft Masterplan and ensured that the final document reflected the needs, values, and aspirations of the Port Pirie community.



Image (above): Port Pirie Cemetery Rose Garden/Garden of Memories (ash interment) with stillborn babies memorial in background.



7 Section Seven
Network Masterplan

7.1 Network Design Principles

1

CELEBRATE LIFE by allowing for personalised expressions of culture, religion and other preferences through a provision of a range of interment options and areas.

2

Design for an **INCLUSIVE, USER-FRIENDLY** cemetery experience with clear wayfinding, accessible pathways, gathering areas, reflection areas, ample parking and digital integration ensuring all visitors can navigate and connect meaningfully within the space.

3

Design for **LONG-TERM, LOW-MAINTENANCE** outcomes with **CLIMATE RESILIENCE** in mind.

Consider low-carbon future options for physical design and construction of cemetery interment options, amenities and green assets.

Respond to community preferences and evolving trends that are suitable for the semi-arid climate.

4

REFLECT Port Pirie's unique **CHARACTER AND HERITAGE** by integrating elements that represent its agricultural roots and other cultural influences.

5

Support and encourage **COMMUNITY ENGAGEMENT** and **COMMUNITY-LED MAINTENANCE INITIATIVES** by offering guidance for simple, respectful upkeep tasks.

7.2 Network Interment Options

The masterplan incorporates expanded burial and ash interment options across the cemetery network that address evolving environmental and societal trends while optimising limited land availability. A wider range of interment options will be available at Port Pirie Cemetery due to a significantly higher population and demand within this urban cemetery. The following diagrams outline the eight proposed interment options:

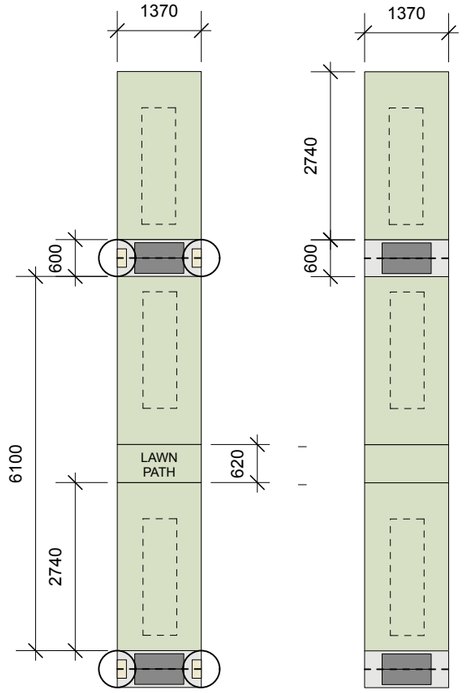
BURIAL INTERMENT OPTIONS:

1a Lawn burial

Provision: Port Pirie Cemetery only

- Interment of body (usually embalmed)
- Headstone or plaque placed on a concrete strip behind the burial plot
- 1600mm single depth, 2000mm double depth plots (single grave depths will be required in some Port Pirie Cemetery sections due to the nature of the soil)
- Minimum depth of soil cover of 1000mm



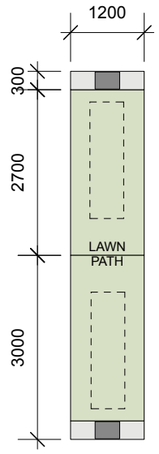


1b Lawn burial (RSL)

Provision: Port Pirie Cemetery only

- Reserved for eligible veterans and service personnel in recognition of their service to the country. Interment of body in accordance with RSL traditions
- Standardised plaque placed on a concrete strip behind the burial plot
- 1600mm single depth, 2000mm double depth plots (single grave depths may be required in some Port Pirie Cemetery sections due to soil conditions)
- Minimum depth of soil cover of 1000mm



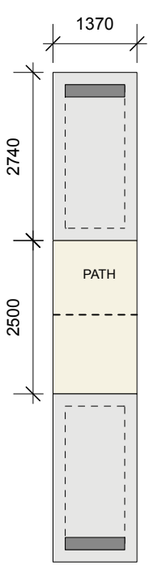


2 Monumental burial

Provision: All cemeteries

- Interment of body (usually embalmed)
- Headstone and monument erected on a concrete foundation within the grave site
- 1600mm single depth, 2000mm double depth plots (single grave depths may be required in some Port Pirie Cemetery sections due to soil conditions)
- Minimum depth of cover of 1000mm
- children's burial area may have smaller plots



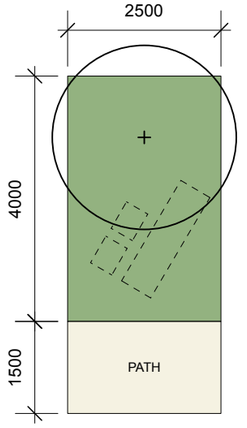


3 Natural burial

Provision: Port Pirie Cemetery only

- Interment of body (not embalmed, in biodegradable coffin or shroud)
- No headstone or monument; natural markers and GPS coordinates to be used
- 1600mm single depth plots (depth may vary depending on soil conditions)
- Minimum depth of soil cover of 1000mm
- Area maintained as natural bushland or grassland to support environmental sustainability





LEGEND

- burial plot
- concrete beam or concrete monumental burial structure
- plaque, plinth or monument
- crusher dust path
- lawn
- native planting
- rose
- tree

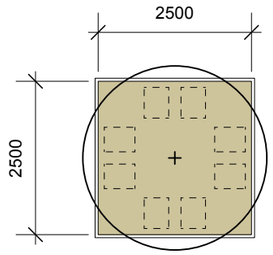
ASH INTERMENT OPTIONS:

4 Memorial walk (ash interment)

Provision: Port Pirie Cemetery only

- Interment of cremated ashes in a biodegradable container around a designated memorial tree. Memorial walk or pathway nearby.
- Memorial plaque placed on a concrete berm around the base of a tree pit
- Single and double depth ash interment options available



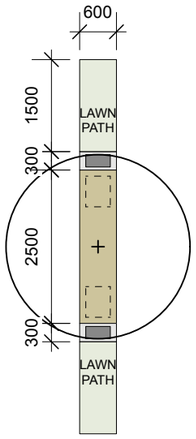


5 Memorial tree (ash interment)

Provision: Port Pirie Cemetery only

- Interment of cremated ashes in a container within the mulched area beneath the trees
- Memorial plaque placed on a concrete berm alongside the tree
- Single and double depth ash interment options available



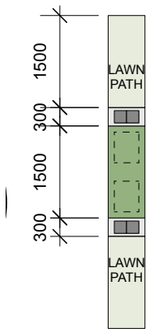


6 Rose garden / garden of Memories (ash interment)

Provision: Port Pirie Cemetery only

- Interment of cremated ashes in a container within the garden area
- Memorial plaque placed on a concrete berm around a garden bed
- Single and double depth ash interment options available

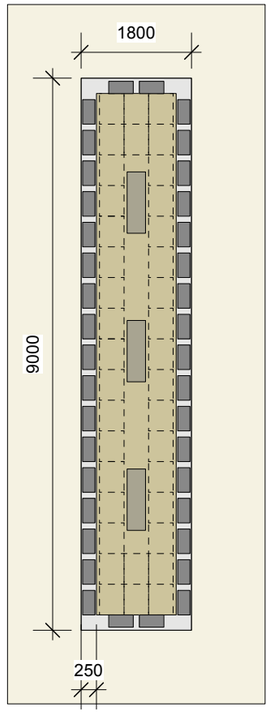




7 Dry garden (ash interment)

Provision: Crystal Brook and Redhill

- Interment of cremated ashes in a container within the dry garden area
- Memorial plaque placed on a concrete berm around the dry garden
- Single depth ash interments only



8 Niche wall

Provision: All cemeteries

- An above-ground wall with a series of individual niches
- Cremated ashes are placed inside niche and then sealed by a memorial plaque

Rural cemeteries:



Urban cemetery:



LEGEND

- ash plot
- concrete berm
- plaque, plinth or monument
- crusher dust path
- tree mulch or rock mulch
- lawn
- drought tolerant low growing amenity planting
- rose
- tree

7.3 Port Pirie Cemetery Masterplan



LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

BODY INTERMENT:

- lawn burial (existing)
- lawn burial (proposed blocks)
- lawn burial (proposed), further investigation required (20 years +)
- Port Pirie Garden of Memory War Cemetery
- monumental burial (existing)
- monumental burial (proposed)
- monumental burial (proposed), further investigation required (20 years +)
- children's burial (existing)
- children's burial (proposed)
- Muslim burials (proposed)
- Natural burials (proposed)
- Stillborn babies memorial

ASH INTERMENT:

- memorial tree (ash interment existing)
- memorial tree (ash interment proposed)
- memorial walk (ash interment proposed)
- rose garden / garden of memories (ash interment existing)
- rose garden (ash interment proposed)
- memorial garden - dry tolerant species (ash interment proposed)
- niche walls (existing)

OTHER LAND USE

- vacant cemetery land (developed 20 years+)
- native vegetation and scrub area
- maintenance yard

MAJOR SITE ASSETS / FEATURES

- internal roads (existing)
- internal roads (proposed)
- parking (proposed formalisation of main carpark)
- pathways (existing)
- pathways (proposed)
- amenity/ shade trees (proposed)
- toilets (existing)
- shelters (existing and proposed)

7.3.1 Port Pirie Cemetery Masterplan Section 1a



KEY MOVES

1. Formalise existing carpark to improve vehicle circulation and provide for sufficient accessible parking. Improve shade and amenity through tree planting, particularly around the existing shelter. Provide for 60 carpark spaces including 4 accessible.
2. Relocate existing noticeboard and update the wayfinding map, notices and add any relevant Port Pirie Cemetery history. Relocate existing flag pole. Investigate restoring CCTV connections at Port Pirie Cemetery.
3. Extend internal roads where shown and name any unnamed internal roads. Refer to Council's approved future cemetery road name list as shown on this page. All new roads, existing unsealed roads and parking areas at Port Pirie Cemetery to be spray-sealed.
4. Propose new lawn burial (LB) plots (1962 first interment plots), new memorial garden (MG) ash plots (128 first interment plots), new memorial walk (MW) ash plots (96 first interment plots) and new memorial tree (MT) ash plots (684 first interment plots). Develop blocks in the order of the numbering shown. e.g. LB-6 would be the next lawn burial area to be developed. Extend irrigation where required. Consider new seat locations.
5. Further investigation required of north-eastern section of land to determine suitability for future burials in 20+ years due to high water table and ground conditions.
6. Opportunity to continue to improve the and replant within the existing bush area
7. Investigate provision of a formed pedestrian pathway along Moppet Road to the entrance of Port Pirie Cemetery. Consider future walking connection to new cemetery area (20 years+)
8. Improve site wayfinding including block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.

SCALE - 1:1600@A3

0 10 20 30m

Council's approved future cemetery road names:

- Red Gum Lane
- Wattle Avenue
- Coral Gum Avenue
- Saltbush Lane
- Senna Lane
- Boobialla Way
- Frangipani Lane
- Bottlebrush Avenue
- Goodenia Way

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries
- Further investigation required to determine suitability of land for interments in 20 years+

INTERMENT AREAS

BODY INTERMENT:

- lawn burial (existing)
- lawn burial (proposed blocks)
- lawn burial (proposed), further investigation required (20 years +)
- monumental burial (existing)

ASH INTERMENT:

- memorial tree (ash interment existing)
- memorial tree (ash interment proposed)
- memorial walk (ash interment proposed)

OTHER LAND USE

- native vegetation and scrub area

MAJOR SITE ASSETS / FEATURES

- internal roads (existing)
- internal roads (proposed)
- parking (proposed formalisation of main carpark)
- pathways (existing)
- pathways (proposed)
- amenity/ shade trees (proposed)
- toilets (existing)
- shelters (existing and proposed)
- future walking connection to existing and new cemetery areas
- entrance cemetery sign (existing)
- noticeboard / Port Pirie history interpretation / wayfinding map (proposed relocation of sign and noticeboard to be updated)
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tap (existing town supply)
- flag pole (relocate existing)



KEY MOVE 1 - Existing carpark to be formalised.



KEY MOVE 4 - Proposed new lawn burial area.

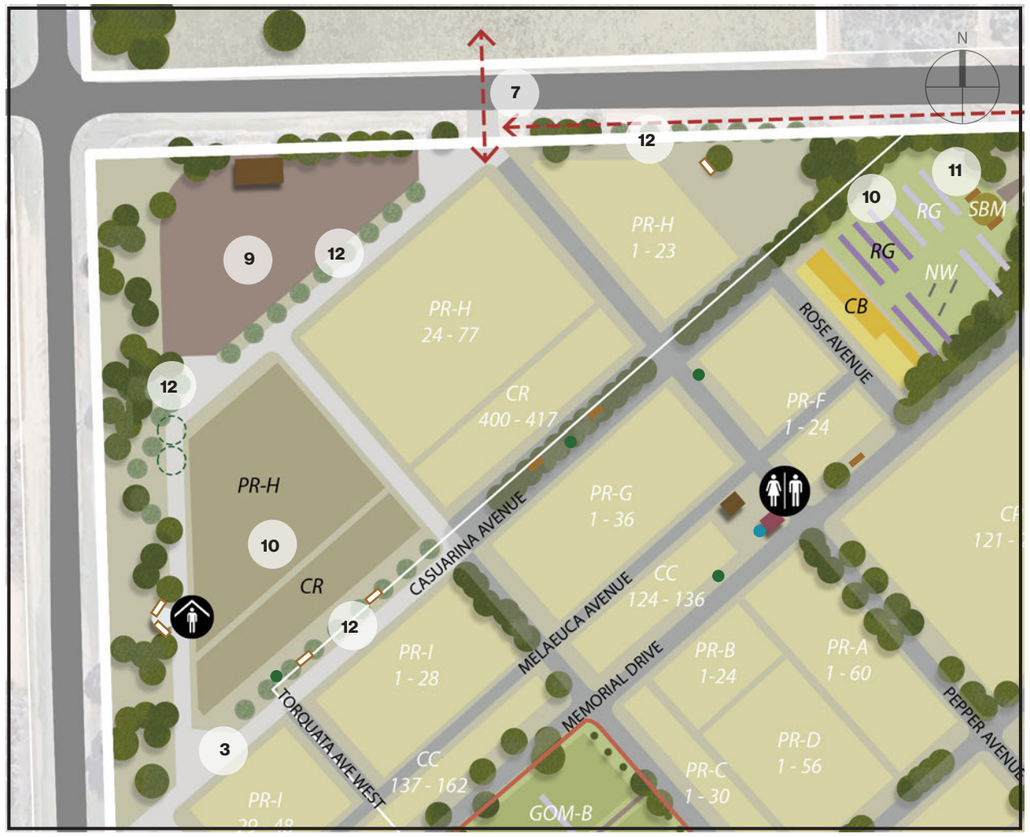


KEY MOVE 4 - Proposed new memorial walk along left side of internal cemetery road.



KEY MOVE 5 - Further investigation of land suitability for future interments (2043+).

7.3.2 Port Pirie Cemetery Masterplan Section 1b



SCALE - 1:1600@A3

0 10 20 30m

KEY MOVES

3 Extend internal roads where shown and name any unnamed internal roads. Refer to Council's approved future cemetery road name list as shown on page 35. All new roads, existing unsealed roads and parking areas at Port Pirie Cemetery to be spray-sealed.

7 Investigate provision of a formed pedestrian pathway along Moppet Road to the entrance of Port Pirie Cemetery. Consider future walking connection to new cemetery area (20 years+)

8 Improve site wayfinding block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.

9 Provide a formalised, gated maintenance area that includes the storage shed, excess soil stockpiles and a garden mulch stockpile for use on the site

10 Propose new children's burial (CB) plots (64 first interment plots), new protestant reserve (PR) monumental burial plots (371 first interment plots), new catholic reserve (CR) monumental burial plots (205 first interment plots) and new rose garden (RG) ash plots (204 first interment plots). Consider new seat locations.

11 Restore irrigation to the stillborn babies memorial

12 Undertake amenity / shade tree planting or tree removals

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

BODY INTERMENT:

- Port Pirie Garden of Memory War Cemetery
- monumental burial (existing)
- monumental burial (proposed)
- children's burial (existing)
- children's burial (proposed)
- Stillborn babies memorial

ASH INTERMENT:

- rose garden / garden of memories (ash interment existing)
- rose garden (ash interment proposed)
- niche walls (existing)

OTHER LAND USE

- vacant cemetery land (developed 20 years+)
- maintenance yard

MAJOR SITE ASSETS / FEATURES

- internal roads (existing)
- internal roads (proposed)
- parking (proposed formalisation of main carpark)
- pathways (existing)
- amenity/ shade trees (proposed)
- toilets (existing)
- shelter (proposed)
- future walking connection to existing and new cemetery areas
- suggested tree removals
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tap (existing town supply)



KEY MOVE 3 - Extension of road surfacing required for internal roads to proposed interment areas.





KEY MOVE 7 - Future walking connection to cemetery extension area across Moppet Road.



KEY MOVE 9 - Proposed formalised, gated maintenance area.



KEY MOVE 10 - Area for addition of new rose garden ash plots.

7.3.3 Port Pirie Cemetery Masterplan Section 1c



SCALE - 1:1600@A3

0 10 20 30m

KEY MOVES

3 Extend internal roads where shown and name any unnamed internal roads. Refer to Council's approved future cemetery road name list as shown on page 35. All new roads, existing unsealed roads and parking areas at Port Pirie Cemetery to be spray-sealed.

8 Improve site wayfinding block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.

12 Undertake amenity / shade tree planting or tree removals

13 Develop an informal carpark within close proximity to the Port Pirie Garden of Memory War Cemetery and the natural burial area.

14 Extend the Port Pirie Garden of Memory War Cemetery including new pathways, new amenity/shade tree planting, a new shelter, new garden of memories (GOM) ash plots (280 first interment plots) and new war graves lawn burial (LB) plots (325 first interment plots). Extend irrigation where required.

15 Develop the natural burial area (440 burial plots) including entry signage and large combined memorial plinths for on-site interment records, roads and amenity tree planting around the area. Develop natural burial areas in the order of the numbering shown. e.g. NB-1 would be the first area to be developed. Consider new seat locations.

16 Further investigation required to determine suitability for future monumental burials in 20+ years due to ground conditions.

18 Improve perimeter fencing (remove open gates) to restrict unauthorised pedestrian access and antisocial behaviour.

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

BODY INTERMENT:

- war graves lawn burial (existing)
- war graves lawn burial (proposed blocks)
- Port Pirie Garden of Memory War Cemetery
- monumental burial (existing)
- monumental burial (proposed), further investigation required (20 years +)
- Muslim burials (proposed)
- Natural burials (proposed)

OTHER LAND USE

- native vegetation and scrub area

MAJOR SITE ASSETS / FEATURES

- internal roads (existing)
- internal roads (proposed)
- parking (proposed informal carpark)
- pathways (existing)
- pathways (proposed)
- amenity/ shade trees (proposed)
- shelters (existing and proposed)
- suggested tree removals
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tap (existing town supply)
- flag pole (existing)
- memorial



KEY MOVE 15 - Proposed natural burial area.



KEY MOVE 15 - Natural burial area and combined memorial plinth precedent images (Enfield Memorial Park, Adelaide).



KEY MOVE 14 - Proposed location of extension to the Port Pirie Garden of Memory War Cemetery

7.3.4 Port Pirie Cemetery Masterplan Section 1d



SCALE - 1:1600@A3

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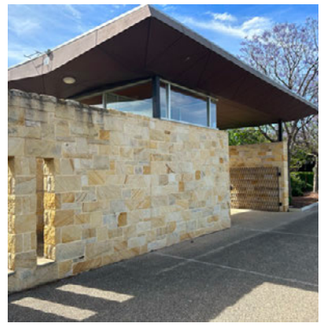
KEY MOVES

7 Consider future walking connection between the old and new cemetery areas (20 years+)

17 Investigate future development opportunities (20 years+) for cemetery land that could include a crematorium, a dedicated funeral venue and options for design and layout of new cemetery area that represent changing trends and new technologies in interment.

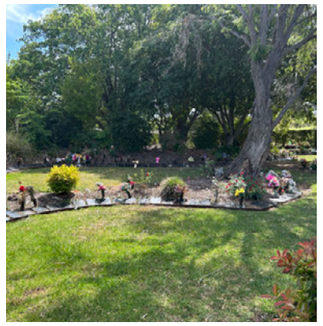
KEY MOVE 17 - Future cemetery extension area. Precedent images from Enfield Memorial Park, Adelaide.










KEY MOVE 17 - Future cemetery extension area. Precedent images from Bunerong Memorial Park, Melbourne. Image credit: The Greater Metropolitan Cemeteries Trust.











KEY MOVE 17 - Future cemetery extension area. Precedent aerial image of Smithfield Memorial Park (Adelaide) showing organic pathways and cemetery interment layout creating a series of more intimate spaces with mature tree planting for shade.



7.4 Napperby Cemetery Masterplan



LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (42 proposed plots 0-20 years)
- NW - Niche wall (14 existing spaces 0-20 years)
- historical graves or potential for unmarked burials

OTHER LAND USE

- leased, cropped area - Crown (outer) and Council land (inner parcel) managed by Council (cropped area to be reduced by 525m2 / 15m x 35m to allow for extension to interment area). Over time cropped area to be reduced further to allow for planting a 50m setback from the stream.
- native vegetation and scrub area (maintain and extend minimum 50m setback either side of stream)

SITE ASSETS / FEATURES

- trees (existing)
- trees (proposed)
- water course (existing)
- bund (exsiting / proposed)
- carpark (existing approx. 25 parking spaces total)
- fences (existing / proposed)
- fence (to be removed)
- internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Napperby history interpretation / wayfinding map (to be updated)
- lockable vehicle gate (proposed)
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tap (existing town supply)
- water tank and tap on shelter (existing)
- on site stockpile of crusher dust for families to top up sunken graves
- # refer to following page for key moves

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Napperby Cemetery Masterplan)

1. Improve internal road and parking surface with road base. Extend pathways/roads to new extension area with road base / crusher dust. Opportunity to improve road entrance fencing.

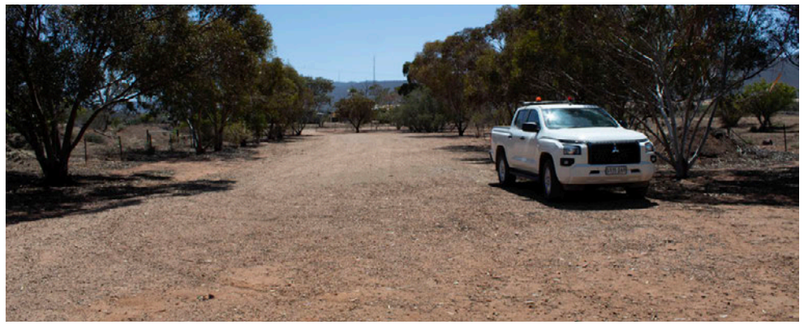
2. Extend interment area into existing cropped area, reducing lease area for cropping by 525m2 / 15m x 35m. Propose new monumental burial plots (42 first interment plots). Install new fencing to extension area and remove former fencing. Provide new tree planting for shade and amenity and a new seat.

3. Excess soil from grave sites to be relocated (or new excess fill to be used) to continue existing bund at a 50m setback from the water course to reduce the chance of the cemetery flooding in the future. Relocate fencing accordingly and add farm gate for access. Avoid piling up excess soil from new plots in carpark or next to entrance to cemetery.

4. Provide a pile of crusher dust on site for families to be able to top-up sunken graves.

5. Opportunity to continue planting the riparian margin (50m setback either side of water course).

6. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.



KEY MOVE 1 - Improve internal roads, parking and pathways.



KEY MOVE 2 - Extend interment area into cropped area.



KEY MOVE 3 - Excess soil from grave sites to be moved outside of main parking area to extend bund along watercourse.



KEY MOVE 5 - Continue planting the riparian margin with native species.



7.5 Warnertown Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (64 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- NW - niche / ash wall (12 existing spaces 0-20 years)
- area for future plots (20 years +)

OTHER LAND USE

- leased, cropped area - Crown (outer) and Council land (inner parcel) managed by Council
- native vegetation and scrub area (maintain)

SITE ASSETS / FEATURES

- trees (existing)
- carpark (existing approx. 20 parking spaces total)
- fences (existing)
- internal roads / pathways (proposed improvements to crusher dust surfacing)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Warnertown history interpretation / wayfinding map (proposed)
- pedestrian entrance gate (existing)
- lockable vehicle gate (existing)
- seat / memorial seat (existing)
- bin (existing)
- water tank on shelter (existing) add tap (proposed)
- on site stockpile of crusher dust for families to top up sunken graves
- # refer to following page for key moves

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Warnertown Cemetery Masterplan)

1. Propose new monumental burial plots (64 first interment plots) and new children's monumental burial plots (8 first interment plots).

2. Improve, regrade and extend internal road and pathways between grave sites with crusher dust to improve accessibility and ensure roads to new sections and roads to the cropped area future-proof access.

3. Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Spread excess soil from plots along the tree line rather than stockpiling across the site.

4. Add a tap to the existing water tank

5. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.



KEY MOVE 1 - New monumental burial area (Section B).



KEY MOVE 2 - Improve internal roads, parking and pathways.



KEY MOVE 4 - Add a tap to the existing water tank.



Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

7.6 Crystal Brook Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (299 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- NW - Niche wall (11 existing spaces 0-20 years)
- DG - Ash dry garden (36 existing spaces, 18 proposed plots 0-20 years)
- area for future burial or ash plots (20 years +)
- historical graves or potential for unmarked burials

OTHER LAND USE

- native vegetation and scrub area (maintain)

SITE ASSETS / FEATURES

- trees (existing)
- trees (proposed)
- carpark (including proposed realignment to provide for more efficient parking - 60 parking spaces total)
- fences / stone walls (existing)
- stone kerbing/edging to demarcate parking
- internal roads / pathways (proposed spray-seal improvements to road and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Crystal Brook history interpretation / wayfinding map (to be updated)
- interpretive signage - Lone Pine (existing)
- stormwater drainage flows/or channels
- seat / memorial seat (existing)
- bin (existing)
- water tap (existing infrequent supply)
- water tank and tap on shelter (proposed)
- maintenance area including soil stockpile
- on site stockpile of crusher dust for families to top up sunken graves
- rose garden
- # refer to following page for key moves

KEY MOVES

(refer to Draft Crystal Brook Cemetery Masterplan)

1. Realign carpark to allow for more efficient parking for approximately 60 vehicles and to improve vehicle circulation by creating a one-way system to ensure vehicles exit the site with clearer sight lines along Huddleston Road. Consider the use of sandstone kerbing to demarcate parking sections. Provide signage identifying 2x accessible car park spaces to the north of the Lone Pine area.
2. Ensure stormwater flows away from grave sites in high flow events by directing flows to stormwater channels and into native vegetation areas
3. Propose one new ash interment dry garden and set aside an area for 6 future ash dry gardens beneath existing mature trees in former carpark area. Encourage ash interments due to limited future interment space
4. Propose new monumental burial plots (299 first interment plots), new children's monumental burial plots (8 first interment plots)
5. Port Pirie Regional Council to consider submitting an application to the Department for Environment and Water (DEW) to extend the cemetery and clear native vegetation for interment purpose for 20+ years
6. Provide a maintenance area including an area to stockpile excess soil and provide a pile of crusher dust on site for families to be able to top-up sunken graves.
7. Investigate optimal location for a pedestrian path between accessible car parks and shelter/ash interments. Install water tank and tap to collect runoff from existing shelter, and a grab rail on the northern side of the shelter to prevent trips/falls at the step.
8. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.
9. Extend internal roads and pathways where shown. All new roads, existing unsealed roads and parking areas to be spray-sealed and line-marking undertaken. All new pathways are to be constructed with crusher-dust surfacing. Existing crusher-dust paths are to be upgraded where required.
10. Investigate potential new toilet location as per the Port Pirie Cemeteries Strategy.



KEY MOVE 1 - Re-align carpark.



KEY MOVE 2 - Direct stormwater flows into native vegetation areas.



KEY MOVE 3 - Propose one new ash interment dry garden beneath existing mature native trees in carpark.



KEY MOVE 4 - New / extension to existing monumental burial section.



KEY MOVE 4 - New / extension to existing monumental burial section.



KEY MOVE 5 - Potential cemetery extension area.



KEY MOVE 6 - New maintenance area.





KEY MOVE 6 - Install a grab rail above the step to avoid trips and falls (first image) and install a new water tank and tap on shelters.

7.6.1 Crystal Brook Plan 1a



SCALE - 1:550@A3

0 10 20m

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (proposed)
- NW - Niche wall
- DG - Ash dry garden
- area for future burial or ash plots (20 years +)
- historical graves or potential for unmarked burials

OTHER LAND USE

- native vegetation and scrub area (maintain)

SITE ASSETS / FEATURES

- trees (existing)
- trees (proposed)
- carpark (including proposed realignment to provide for more efficient parking - 60 parking spaces total)
- fences / stone walls (existing)
- stone kerbing/edging to demarcate parking
- internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Crystal Brook history interpretation / wayfinding map (to be updated)
- interpretive signage - Lone Pine (existing)
- stormwater drainage flows/or channels
- seat / memorial seat (existing)
- bin (existing)
- water tap (existing infrequent supply)
- water tank and tap on shelter (proposed)
- maintenance area including soil stockpile
- on site stockpile of crusher dust for families to top up sunken graves
- rose garden

- # refer to larger overview masterplan for key moves

7.6.2 Crystal Brook Plan 1b



SCALE - 1:550@A3

0 10 20m

LEGEND

BOUNDARIES

property boundaries

INTERMENT AREAS

MB - monumental burial (existing)

MB - monumental burial (proposed)

CB - children's burials (proposed)

OTHER LAND USE

native vegetation and scrub area (maintain)

SITE ASSETS / FEATURES

trees (existing)

internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)

stormwater drainage flows/or channels

\# refer to larger overview masterplan for key moves

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.



7.7 Wandearah Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (20 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- NW - niche / ash wall (9 existing spaces 0-20 years)
- area for future plots (20 years +)
- WM - WWI and WWII Memorial (existing)

OTHER LAND USE

- leased, cropped area - Council land
- native vegetation and scrub area (maintain)

SITE ASSETS / FEATURES

- trees (existing)
- external parking along road reserve (existing)
- fences (existing)
- internal roads / pathways (proposed improvements to crusher dust surfacing)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Wandearah history interpretation / wayfinding map (to be updated)
- pedestrian entrance gate (proposed)
- lockable vehicle gate (existing)
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tank and tap on shelter (existing)
- on site stockpile of crusher dust to top up sunken graves
- refer to following page for key moves

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Wandearah Cemetery Masterplan)

1. Install new pedestrian entrance gate next to existing farm gate to reduce undesirable access to the cemetery
2. Propose new monumental burial plots (24 first interment plots) and new children's monumental burial plots (8 first interment plots)
3. Extend internal road and pathways to new grave sites with crusher dust
4. Investigate and ensure cemetery site boundaries and the site extent are consistent with SAPPA online maps
5. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.



KEY MOVE 1 - Install new pedestrian gate next to vehicle gate.



KEY MOVE 2 and 3 - Extend internal roads and pathways to new monumental areas.

7.8 Redhill Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (38 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- Ash raised plot (5 existing spaces 0-20 years)
- area for future plots (20 years +)
- historical graves or potential for unmarked burials

OTHER LAND USE

- leased, cropped area - Crown (outer and inner parcel) managed by Council

SITE ASSETS / FEATURES

- trees (existing)
- trees (proposed)
- carpark (including proposed realignment to provide for more efficient parking - 40 parking spaces total)
- fences (existing)
- internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Redhill history interpretation / wayfinding map (to be updated)
- interpretive signage (existing)
- lockable vehicle gate (existing)
- lockable vehicle gate (farm access)
- seat / memorial seat (existing)
- seat / memorial seat (proposed)
- bin (existing)
- water tank and tap on shelter (existing)
- maintenance storage shed
- on site stockpile of crusher dust for families to top up sunken graves
- # refer to following page for key moves

OLD CATTLE TRACK

Row H
Row G
Row F
Row E
Row D
Row C
Row B
Row A
Row P
Row O
Row N
Ash
CB

1
2
3
4

SCALE - 1:1200@A3

0 20 40m

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Redhill Cemetery Masterplan)

1. Improve entrance and egress including selective pruning of existing vegetation at the entrance to improve sight lines, grading and resurfacing of the entrance road and cemetery wayfinding signage on River Road.

2. Realign carpark to allow for more efficient parking for approximately 40 vehicles and to improve vehicle circulation. Provide signage for accessible parking in close proximity to the shelter. Investigate the opportunity to provide a new row of tree planting along the carpark that could provide future opportunity for memorial tree ash plots as well as providing shade for the carpark.

3. Propose new monumental burial plots (38 first interment plots) and new children's monumental burial plots (8 first interment plots) including improvements to pathways between grave sites with crusher dust to improve accessibility

4. Ensure maintenance is being undertaken including pest management and consider assistance from external groups to clear graves from pine cones and needles. Consider suitable alternative succession planting at end of life of the existing pine trees due to high maintenance (constant branch, cone and needle drop on grave sites)

5. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.



KEY MOVE 1 - Improve entrance and egress with selective pruning to improve sight lines and road re-surfacing.



KEY MOVE 2 - Carpark improvement works.



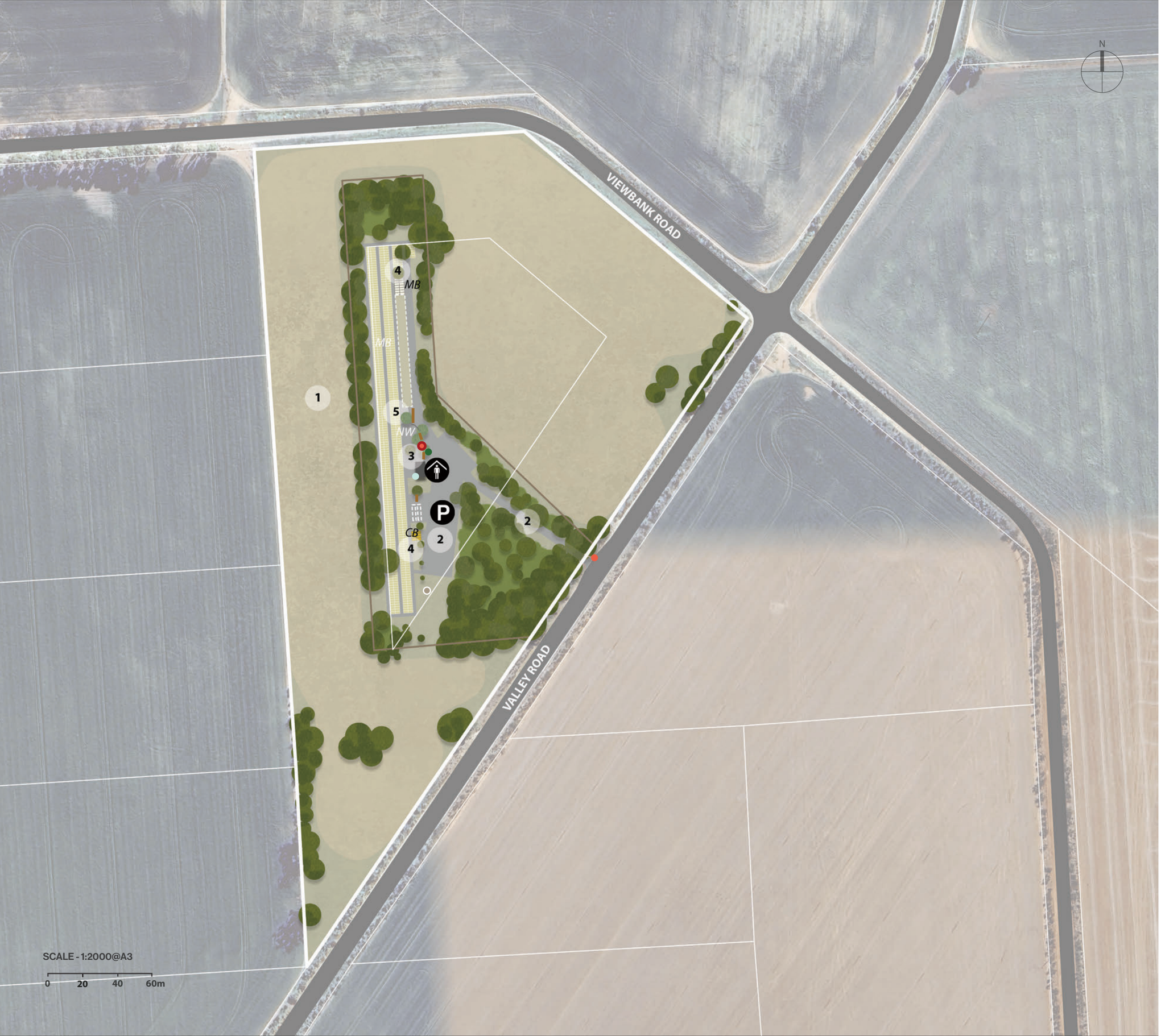
KEY MOVE 3 - Extension of existing, newer monumental burial area.



KEY MOVE 4 - Consider succession planting for pines due to high pine branch, cone and needle drop on graves.



KEY MOVE 5 - Improve site wayfinding across the site.



7.9 Koolunga Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (24 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- NW - niche / ash wall (37 existing spaces 0-20 years)
- area for future plots (20 years +)

OTHER LAND USE

- leased, cropped area (Crown land managed by others)

SITE ASSETS / FEATURES

- trees (existing)
- trees (proposed)
- carpark (including proposed realignment to allow for more efficient parking approx. 50 parking spaces total)
- fences (existing)
- internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Koolunga history interpretation / wayfinding map (proposed including re-paint of noticeboard)
- seat / memorial seat (existing)
- bin (existing)
- water tank and tap on shelter (proposed)
- on site stockpile of crusher dust for families to top up sunken graves
- # refer to following page for key moves

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Koolunga Cemetery Masterplan)

1. Port Pirie Regional Council to consider submitting an application to the Crown to have the Crown property parcel, which is currently designated for cemetery purposes but being used for cropping, transferred to the Council's dedication.

2. Investigate potential to improve access road surfacing on current Crown land and remove overgrown vegetation on both sides to allow for parking in shade and improve, regrade and extend pathways between grave sites with crusher dust to improve accessibility. Realign carpark area to allow for more efficient parking for approximately 50 parking spaces (pending above investigation of land dedication to Council)

3. Install new water tank and tap to capture water from existing shelter

4. Propose new monumental burial plots (14 first interment plots) and new children's monumental burial plots (8 first interment plots)

5. Investigate the opportunity to provide a new row of tree planting to provide shade over existing seating

6. Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Ensure maintenance is being undertaken and spread excess soil from plots along the tree line rather than stockpiling across the site.

7. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.



KEY MOVE 1 - Outer property parcel owned by the Crown.



KEY MOVE 2 - Improve internal roads, parking and pathways.



KEY MOVE 3 - install new water tap and tank on shelter.



KEY MOVE 4 - New / extension to existing monumental burial section (foreground).



KEY MOVE 5 and 6 - Suggested shade planting over seating and improvements to wayfinding signage.

7.10 Keilli Cemetery Masterplan

LEGEND

BOUNDARIES

- cemetery boundary
- property boundaries

INTERMENT AREAS

- MB - monumental burial (existing)
- MB - monumental burial (24 proposed plots 0-20 years)
- CB - children's burials (8 proposed plots)
- NW - niche / ash wall (12 existing spaces 0-20 years)
- area for future plots (20 years +)
- MP - memorial plaque (existing)
- potential for unmarked burials

OTHER LAND USE

- leased, cropped area (Crown land managed by others)

SITE ASSETS / FEATURES

- trees (existing)
- carpark (including proposed extension to allow for approx. 68 parking spaces total)
- fences (existing and proposed)
- fence (to be removed)
- internal roads / pathways (proposed improvements to road base for roads and crusher dust surfacing for pathways)
- shelter (existing)
- entrance cemetery sign (existing)
- noticeboard / Keilli history interpretation / wayfinding map (proposed)
- interpretive signage (existing)
- pedestrian entrance gate (existing)
- lockable vehicle gate (existing)
- lockable vehicle gate (relocated farm access)
- seat / memorial seat (existing)
- bin (existing)
- water tap - town supply (upgraded)
- water tank and tap on shelter (existing)
- long drop toilet (community installed to be removed)
- on site stockpile of crusher dust for families to top up sunken graves

N

KEILLI ROAD

MB Blocks

PGa

PGb

MP

NW

MB

CB/180

SCALE - 1:1000@A3

0 10 20 30m

Disclaimer: Further investigation during concept and detailed design is required by Council to align interment records with a physical site survey of all plots on the cemetery. This masterplan provides indicative locations of existing plots only.

KEY MOVES

(refer to Draft Keilli Cemetery Masterplan)

1. Port Pirie Regional Council to consider submitting an application to the Department for Environment and Water (DEW) to have the outer Crown property parcel, which is currently designated for cemetery purposes but being used for cropping and parking, transferred to the Council's dedication. Currently, this land is under the care and control of the Minister for Environment and Water.

2. Investigate possible relocation of existing farm fence to allow for extension to carpark area to allow for approximately 68 parking spaces (pending above investigation of land dedication to Council).

3. Improve, regrade and extend internal road and pathways between grave sites with crusher dust to improve accessibility.

4. Propose new monumental burial plots (24 first interment plots) and new children's monumental burial plots (8 first interment plots).

5. Consider suitable alternative succession planting at end of life of the existing pine trees due to high maintenance (constant branch and needle drop on grave sites). Trim southern line of pines to reduce damage to graves.

6. Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Ensure maintenance is being undertaken including pest management to reduce fox holes under graves and spread excess soil from plots along the tree line rather than stockpiling across the site.

7. Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps. Consider future interpretation signage to share the history of the location of the former Keilli School and township.



KEY MOVE 1 - Outer property parcel owned by the Crown (view of the existing carpark with cemetery behind row of trees on left).



KEY MOVE 2 - Investigate extension of carpark into cropped area.



Key move **3** - Improve internal roads, parking and pathways.



KEY MOVE 4 - New / extension to existing monumental burial section.



KEY MOVE 5 - Trim pine trees overhanging grave sites and plan for succession planting.



KEY MOVE 6 - Management of fox holes.

8 Section Eight
Implementation Plan

Implementation Priorities

The table below outlines the prioritised actions identified in the individual cemetery masterplans. Implementation priorities have been informed by factors such as burial demand and capacity, health and safety considerations, community feedback, design and consent requirements, estimated costs, and current resource and budget constraints. The timing of implementation will be guided by Port Pirie Regional Council's Long Term Financial Plan and Annual Business Plan processes.

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
PORT PIRIE CEMETERY	Interment areas	• Develop new lawn burial (LB) plots in LB-6 as per plan (key move 4). • Develop new memorial garden (MG) ash plots in MG-1 as per plan (key move 4). • Develop new memorial walk (MW) ash plots in MW-1 as per plan (key move 4). • Develop new memorial tree (MT) ash plots in MT-3, MT-4 and MT-7 as per plan (key move 4). • Develop new protestant reserve (PR) monumental burial plots in PR-H as per plan (key move 10). • Develop new catholic reserve (CR) monumental burial plots in CR as per plan (key move 10). • Develop new rose garden ash (RG) plots as per plan (key move 10). • Develop NB-1 and NB-2 within the natural burial area as per the plan (key move 15).	• Develop new lawn burial (LB) plots, memorial garden (MG) ash plots, memorial walk (MW) ash plots, memorial tree (MT) ash plots, children's burial (CB) plots, new protestant reserve (PR) monumental burial plots, new catholic reserve (CR) monumental burial plots and new rose garden ash (RG) plots as required as per plan (key move 4). • Extend the Port Pirie Garden of Memory War Cemetery garden of memories (GOM) ash plots and new war graves lawn burial (WG-2) as per plan (key move 14). • Develop natural burial plots as required as per the plan (key move 15).	• Further investigation required of north-eastern section of land to determine suitability for future burials in 20+ years due to high water table and ground conditions as per plan (key move 5). • Further investigation required to determine suitability for future monumental burials in 20+ years due to ground conditions as per plan (key move 16). • Develop new lawn burial (LB) plots, memorial garden (MG) ash plots, memorial walk (MW) ash plots, memorial tree (MT) ash plots, children's burial (CB) plots, new protestant reserve (PR) monumental burial plots, new catholic reserve (CR) monumental burial plots and new rose garden ash (RG) plots as required as per plan (key move 4). • Develop natural burial plots as required as per the plan (key move 15). • Investigate future development opportunities (20 years+) for cemetery land that could include a crematorium, a dedicated funeral venue and options for design and layout of new cemetery area that represent changing trends and new technologies in interment as per the plan (key move 17)..
	Accessibility	• Formalise existing carpark to improve vehicle circulation and provide for sufficient accessible parking. Provide for 60 carpark spaces including 4 accessible as per plan (key move 1). • Develop roads within the natural burial area as per the plan (key move 15). • Improve site wayfinding including block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps as per plan (key move 8). • Develop new roads where required as per plan. • Develop new pathways where required as per plan. • Consider future walking connection between the old and new cemetery areas (20 years+) as per the plan (key move 7).	• Develop new roads where required as per plan. • Develop new pathways where required as per plan.	• Develop new roads where required as per plan. • Develop new pathways where required as per plan.
	Visitor infrastructure	• Relocate existing noticeboard and update the wayfinding map, notices and add any relevant Port Pirie Cemetery history. Relocate existing flag pole as per plan (key move 2). • Develop entry signage and large combined memorial plinths for on-site interment records within the natural burial area as per the plan (key move 15). • Extend internal roads where shown and name any unnamed internal roads. All new roads, existing unsealed roads and parking areas to be spray-sealed as per plan (key move 3). • Install new seats in new interment areas as per plan. • Develop new shelters where required as per plan.	• Investigate restoring CCTV connections as per plan (key move 2). • Develop an informal carpark within close proximity to the Port Pirie Garden of Memory War Cemetery and the natural burial area as per plan (key move 13). • Install new seats in new interment areas as per plan. • Develop new shelters where required as per plan.	• Investigate provision of a formed pedestrian pathway along Moppet Road to the entrance of Port Pirie Cemetery as per plan (key move 7). • Consider future walking connection to new cemetery area (20 years+) as per plan (key move 7). • Install new seats in new interment areas as per plan.
	Climate and environment			• Opportunity to continue to improve the and replant within the existing bush area as per plan (key move 6).
	Amenity	• Undertake amenity tree planting within the natural burial area as per the plan (key move 15).	• Improve shade and amenity through tree planting in the carpark, particularly around the existing shelter as per plan (key move 1). • Undertake amenity / shade tree planting or tree removals as per plan (key move 12).	
	Maintenance	• Provide a formalised, gated maintenance area that includes the storage shed, excess soil stockpiles and a garden mulch stockpile for use on the site as per plan (key move 9). • Restore irrigation to the stillborn babies memorial as per plan (key move 11). • Extend irrigation where required (key move 4). • Improve perimeter fencing (remove open gates) to restrict unauthorised pedestrian access and antisocial behaviour as per plan (key move 18).	• Extend irrigation where required (key move 4).	• Extend irrigation where required (key move 4).

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
NAPPERBY CEMETERY	Interment areas	• Extend interment area into existing cropped area as per plan (key move 2). • Develop new monumental burial plots as required as per plan (key move 2).		
	Accessibility	• Improve internal road and parking surface with road base. Extend pathways/ roads to new extension area with road base / crusher dust. Opportunity to improve road entrance fencing as per plan (key move 1).		
	Visitor infrastructure	• Provide a new seat in the new extension area as per the plan (key move 2). • Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps (key move 6).	• Develop new roads where required as per plan.	• Develop new roads where required as per plan.
	Climate and environment	• Excess soil from grave sites to be relocated (or new excess fill to be used) to continue existing bund at a 50m setback from the water course to reduce the chance of the cemetery flooding in the future. Relocate fencing accordingly and add farm gate for access. Avoid piling up excess soil from new plots in carpark or next to entrance to cemetery as per plan (key move 3)		• Opportunity to continue planting the riparian margin (50m setback either side of water course) as per plan (key move 5).
	Amenity	• Provide new tree planting for shade and amenity in the new extension area as per the plan (key move 2).		
	Maintenance	• Install new fencing to extension area and remove former fencing as per plan (key move 2). • Provide a pile of crusher dust on site for families to be able to top-up sunken graves as per plan (key move 4).		
	Other Council department/ third party	• reduce leased cropped area by 525m2 / 15m x 35m for new interment area as per plan (key move 2).		

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
WARNERTOWN CEMETERY	Interment areas	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 1)	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 1)	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 1)
	Accessibility	• Improve, regrade and extend internal road and pathways between grave sites with crusher dust to improve accessibility and ensure roads to new sections and roads to the cropped area future-proof access as per the plan (key move 2).		
	Visitor infrastructure	• Add a tap to the existing water tank as per plan (key move 4) • Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps (key move 5).		
	Climate and environment			
	Amenity			
		• Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Spread excess soil from plots along the tree line rather than stockpiling across the site (key move 3).		
	Other Council department/ third party			

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
CRYSTAL BROOK CEMETERY	Interment areas	• Develop one new ash interment dry garden. (key move 3). • Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).	• Develop future ash dry gardens beneath existing mature trees in former carpark area as required as per plan (key move 3). • Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).	• Develop future ash dry gardens beneath existing mature trees in former carpark area as required as per plan (key move 3). • Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).
	Accessibility	• Realign carpark to allow for more efficient parking for approximately 60 vehicles and to improve vehicle circulation by creating a one-way system to ensure vehicles exit the site with clearer sight lines along Huddleston Road. Consider the use of sandstone kerbing to demarcate parking sections as per plan (key move 1). • Provide signage identifying 2x accessible car park spaces to the north of the Lone Pine area as per plan (key move 1). • Investigate optimal location for and develop a pedestrian path between accessible car parks and shelter/ash interments (key move 7). • Install a grab rail on the northern side of the shelter to prevent trips/falls at the step as per plan (key move 7) • Extend internal roads and pathways where shown. All new roads, existing unsealed roads and parking areas to be spray-sealed and line-marking undertaken as per plan (key move 9). • Develop new pathways with crusher-dust surfacing. Existing crusher-dust paths are to be upgraded where required as per plan (key move 9).	• Develop new pathways with crusher-dust surfacing. Existing crusher-dust paths are to be upgraded where required as per plan (key move 9).	• Develop new pathways with crusher-dust surfacing. Existing crusher-dust paths are to be upgraded where required as per plan (key move 9).
	Visitor infrastructure	• Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries (key move 8) • Improve online plot identification and maps (key move 8). • Investigate potential new toilet location as per the Port Pirie Cemeteries Strategy and as per plan (key move 10). • Install water tank and tap to collect runoff from existing shelter as per plan (key move 7).		
	Climate and environment	• Ensure stormwater flows away from grave sites in high flow events by directing flows to stormwater channels and into native vegetation areas as per plan (key move 2).		
	Amenity			
	Maintenance	• Provide a maintenance area including an area to stockpile excess soil and provide a pile of crusher dust on site for families to be able to top-up sunken graves as per plan (key move 6).		
	Other Council department/ third party		• Port Pirie Regional Council to consider submitting an application to the Department for Environment and Water (DEW) to extend the cemetery and clear native vegetation for interment purpose for 20+ years as per plan (key move 5).	

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
WANDEARAH CEMETERY	Interment areas	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 2).	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 2).	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 2).
	Accessibility	• Extend internal road and pathways to new grave sites with crusher dust as per plan (key move 3).		
	Visitor infrastructure	• Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.		
	Climate and environment			
	Amenity			
	Maintenance	• Install new pedestrian entrance gate next to existing farm gate to reduce undesirable access to the cemeteryas per plan (key move 1).		
	Other Council department/ third party	• Investigate and ensure cemetery site boundaries and the site extent are consistent with SAPPA online maps as per plan (key move 4).		

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
REDHILL CEMETERY	Interment areas	• Develop new monumental burial plots and new children's monumental burial plots where required as per plan (key move 3)	• Develop new monumental burial plots and new children's monumental burial plots where required as per plan (key move 3)	• Develop new monumental burial plots and new children's monumental burial plots where required as per plan (key move 3) • Investigate the opportunity to provide a new row of tree planting along the carpark that could provide future opportunity for memorial tree ash plots as well as providing shade for the carpark as per plan (key move 2).
	Accessibility	• Improve entrance and egress including selective pruning of existing vegetation at the entrance to improve sight lines, grading and resurfacing of the entrance road and cemetery wayfinding signage on River Road as per plan (key move 1). • Realign carpark to allow for more efficient parking for approximately 40 vehicles and to improve vehicle circulation (key move 2). • Provide signage for accessible parking in close proximity to the shelter (key move 2). • Resurface pathways between grave sites with crusher dust to improve accessibility as per plan (key move 3).		
	Visitor infrastructure	• Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps.		
	Climate and environment			
	Amenity			• Investigate the opportunity to provide a new row of tree planting along the carpark that could provide future opportunity for memorial tree ash plots as well as providing shade for the carpark as per plan (key move 2).
	Maintenance	• Ensure maintenance is being undertaken including pest management and consider assistance from external groups to clear graves from pine cones and needles. Consider suitable alternative succession planting at end of life of the existing pine trees due to high maintenance (constant branch, cone and needle drop on grave sites) (key move 4).		
	Other Council department/ third party			

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
REDHILL CEMETERY	Interment areas	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4).
	Accessibility	• Investigate potential to improve access road surfacing on current Crown land and remove overgrown vegetation on both sides to allow for parking in shade and improve, regrade and extend pathways between grave sites with crusher dust to improve accessibility as per plan (key move 2). • Realign carpark area to allow for more efficient parking for approximately 50 parking spaces (pending investigation of land dedication to Council) as per plan (key move 2).		
	Visitor infrastructure	• Install new water tank and tap to capture water from existing shelter as per plan (key move 3). • Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps (key move 7).		
	Climate and environment			
	Amenity		• Investigate the opportunity to provide a new row of tree planting to provide shade over existing seating as per plan (key move 5).	
	Maintenance	• Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Ensure maintenance is being undertaken and spread excess soil from plots along the tree line rather than stockpiling across the site (key move 6).		
	Other Council department/ third party		• Port Pirie Regional Council to consider submitting an application to the Crown to have the Crown property parcel, which is currently designated for cemetery purposes but being used for cropping, transferred to the Council's dedication (key move 1).	

CEMETERY	WORK PROGRAMME	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
KEILLI CEMETERY	Interment areas	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4)	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4)	• Develop new monumental burial plots and new children's monumental burial plots as required as per plan (key move 4)
	Accessibility	• Improve, regrade and extend internal road and pathways between grave sites with crusher dust to improve accessibility as per plan (key move 3).	• Extend internal road and pathways between grave sites with crusher dust to improve accessibility where required as per plan (key move 3).	• Extend internal road and pathways between grave sites with crusher dust to improve accessibility where required as per plan (key move 3).
	Visitor infrastructure	• Improve site wayfinding through the installation of a wayfinding map, block and plot signage that is consistent across all Port Pirie cemeteries. Improve online plot identification and maps. Consider future interpretation signage to share the history of the location of the former Keilli School and township (key move 7).		
	Climate and environment			• Consider suitable alternative succession planting at end of life of the existing pine trees due to high maintenance (constant branch and needle drop on grave sites) (key move 5).
	Amenity			
	Maintenance	• Investigate possible relocation of existing farm fence to allow for extension to carpark area to allow for approximately 68 parking spaces (pending above investigation of land dedication to Council) (key move 2). • Provide a pile of crusher dust on site for families to be able to top-up sunken graves. Ensure maintenance is being undertaken including pest management to reduce fox holes under graves and spread excess soil from plots along the tree line rather than stockpiling across the site (key move 6). • Trim southern line of pines to reduce damage to graves as per plan (key move 5).		
	Other Council department/ third party		• Port Pirie Regional Council to consider submitting an application to the Department for Environment and Water (DEW) to have the outer Crown property parcel, which is currently designated for cemetery purposes but being used for cropping and parking, transferred to the Council's dedication. Currently, this land is under the care and control of the Minister for Environment and Water (key move 1).	

9 Section Nine
Design Guidance

The design guidance for the Port Pirie Regional Council cemetery network provides a consistent and cohesive approach to creating welcoming, functional, and sustainable spaces across all cemeteries.

A key focus is on improving material selection, prioritising durable, weather-resistant materials that require minimal maintenance and blend seamlessly with the natural environment. Sustainable choices, including drought-tolerant plant species and environmentally friendly furniture materials, will enhance the long-term viability of the cemeteries. Additionally, effective wayfinding is essential to the design, ensuring that visitors can easily navigate the cemeteries through clear signage and markers that direct them to key areas and individual plots.

The following section outlines key guidance points to assist in further developing the cemeteries.

9.1 Planting design guidance

Planting within the Port Pirie cemetery network not only provides comfort and solace to those who mourn and remember but also plays a crucial role in enhancing the local environment. Thoughtful vegetation choices contribute to the region's green infrastructure and support vital ecosystem services, benefiting both visitors and the broader landscape. The key benefits of cemetery planting include:

1. Enhancing health and well-being by creating calming, natural spaces
2. Providing shade for visitors and reducing heat exposure
3. Improving soil, water, and air quality
4. Supporting biodiversity by offering habitats and food sources for native fauna
5. Capturing and storing carbon, particularly through tree planting

General planting considerations:

- Ensure vegetation does not block sight lines. Tree selection should be based on ensuring a high crown at maturity.
- Utilise drought-tolerant, arid land plant species, including grass varieties for lawn areas.
- Consider an alternative plant species to roses within the lawn burial area at Port Pirie due to their high-maintenance and high replacement requirement which is proving unsustainable.
- Ensure plant selections do not include invasive species that could spread to sensitive areas such as waterways or bushland and continue to remove poisonous (e.g. Oleander) or weed species.
- Incorporate local indigenous plants sourced from local provenance seed to support the native ecosystem while also providing food, shelter, and breeding environments for local wildlife.
- Mulch around trees at rural cemeteries and consider the use of tree wells to improve water storage around the base of the tree.
- Continue to irrigate lawn burial areas and mulch garden beds at Port Pirie as a lead-safe practice aimed at reducing exposure to lead-contaminated soil and reducing airborne lead dust particles. Consider the long term replacement of lawn areas with resilient ground-covers when visitation of certain areas decreases (reduction in maintenance).
- Use soil moisture detection devices to optimise irrigation, ensuring plants are watered only when necessary, and group species with similar water requirements together for efficiency.
- Where possible, collect and reuse water gathered on-site to support sustainable irrigation practices such as water collection from shelter roofs, and/or the direction and reuse of water into planted areas form hard surfaces.
- Protect and enhance native bushland or flora sites at the cemeteries
- consider a succession plan for pine trees at rural cemeteries due to constant branch, pine cone and needle drop and damage to graves.

Helpful planting species selection guidelines:

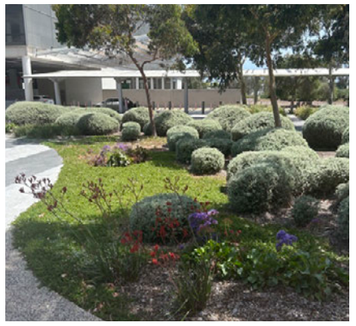
- Port Pirie Regional Council Tree Strategy
- Port Pirie Regional Council Trees Policy
- Design works for the greening Port Pirie Project
- Port Pirie Regional Council Street Tree Species
- Botanic Gardens of South Australia online tool - Plant Selector



Colourful, drought tolerant, low maintenance species: Kangaroo Paw (various colours)



Colourful, drought tolerant, low maintenance species: Sea lavender - Limonium perezii



Amenity and shade planting (Adelaide Airport)



Low growing native ground covers as a replacement over time for lawn areas to reduce maintenance (mowing).

9.2 Furniture / asset design guidance

- Use durable, weather-resistant materials such as stone, treated timber, or powder-coated metal or aluminium to withstand environmental conditions.
- Ensure furniture complements the natural and cultural character of the cemetery, using neutral colours and simple, elegant designs.
- Position seating in shaded, peaceful locations with views of landscaped areas, avoiding obstruction of grave sites or pathways.
- Provide wheelchair-accessible seating where possible and ensure furniture placement allows for easy navigation by people with mobility impairments.
- All seating should provide back and arm rests
- Strategically place bins at entry points, near seating areas, and along pathways to encourage proper waste disposal.
- Provide separate bins for general waste and recyclables where possible.
- Provide water collection from the roof of shelters at all the rural cemeteries - and inclusion of tap that is easy to operate and accessible to people with mobility impairments
- Install taps at Port Pirie Cemetery at convenient intervals along pathways and near grave-tending areas.



Street Furniture Australia Classic Plaza Seat (anodised aluminium battens)



Separate rubbish / recycling bins (Precedent image: Enfield Memorial Park)

9.3 Signage and wayfinding guidance

Effective signage and wayfinding are essential for enhancing the experience and functionality of a cemetery, guiding visitors to their desired destinations, indicating key amenities such as water and toilets, outlining restrictions on activities and providing insights into the heritage, natural environment, and historical significance of the site.

There are several essential design considerations for providing consistent wayfinding across the eight Port Pirie Cemeteries:

Pre-visit Information:

- Offer a digital platform allowing visitors to search for grave locations by name or plot number that links to a map before arriving.
- Ensure the website includes details on parking, accessibility, and any specific guidelines or regulatory information for cemetery visits.

Travelling to the site:

- Clearly marked directional signage along key roads to guide visitors to the cemetery entrance.
- Prominent cemetery name sign at the main vehicle entrance to the cemetery.

Arriving at the site:

- Provision of a large, easily visible entrance sign displaying the cemetery name, accompanied by a site map for orientation.
- Well-marked parking areas, including designated accessible car parking, positioned near the shelter and gathering point.

The gathering point:

- Provision of a central shelter or designated gathering area clearly identified with appropriate signage including a prominently displayed site map indicating interment blocks and/or rows, plots and any other relevant cemetery assets or amenities.
- Provision of regulatory signage where applicable e.g. no glass / please dispose of rubbish in provided bin

Block and/or row markers

- Provision of strategic, visible signage at intersections within the cemetery to direct visitors to the appropriate blocks or rows. Colour-coding is advised.

Plot numbers:

- Provision of Clearly visible plot numbers to assist visitors in locating specific graves.



Cemetery entrance sign





Cemetery map sign (Enfield Memorial Park, Adelaide)



Cemetery interpretive sign (Enfield Memorial Park, Adelaide)



Cemetery directional block sign (Enfield Memorial Park, Adelaide)



Cemetery directional sign (Enfield Memorial Park, Adelaide)



Cemetery row and plot signs

9.4 Car parking and edge guidance

- Ensure parking areas are easily accessible from main roads, with clear signage directing visitors to the cemetery.
- Provide a sufficient number of parking spaces to accommodate expected visitor numbers, especially during peak times such as funerals or commemorative events.
- Adhere to local design standards for parking facilities, including circulation patterns and accessible parking space dimensions.
- Consider the use of stone edging/kerbing to demarcate parking areas and improve circulation through the car parks at rural cemeteries
- Implement sustainable drainage solutions such as swales to manage stormwater runoff, minimise environmental impact and provide natural irrigation for planted areas.



Stone edging / kerbing to demarcate parking areas at rural cemeteries

9.5 Fencing, entrance wall and gate guidance

- Consider long term addition of consistent entry stone wing walls and separated pedestrian and vehicle entrance gates across the rural cemeteries.
- Fencing should prioritise an open construction style rather than solid barriers. Suitable materials include spaced timber battens, steel rods, or well designed open mesh designs. These options enhance security while maintaining visibility and natural surveillance from surrounding areas.



Cemetery stone entrance walls



Separate pedestrian gates to vehicle gates to improve accessibility for pedestrians but limit unwanted vehicle access.

9.6 Further guidance

For further guidance for development at Port Pirie Cemeteries refer to the following documents:

- Management Plan Guidelines For South Australian Cemeteries
- Port Pirie Regional Council Disability Access and Inclusion Plan 2020-2024
- Port Pirie Regional Council Memorials Policy
- Port Pirie Regional Council Signs Policy

Port Pirie
Regional Council