



Miners Rest Community Infrastructure Assessment

Final Report

June 2018

Prepared for Hansen Partnership

by ASR Research Pty Ltd

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1 Introduction

1.1 Background

The City of Ballarat is partnering with the Miners Rest community to deliver The Miners Rest Plan: Our Township Towards 2040. Miners Rest is one of six local townships participating in the City of Ballarat's Local Plans for our Townships Program.

The plan will:

- Give the community a collective long-term vision and action plan;
- Help community groups and Council make a strong case when applying for grants or lobbying for funding;
- Give the City of Ballarat and Miners Rest community an in-depth understanding of the availability of, and need for, local services and infrastructure;
- Assist the City of Ballarat prioritise its investment in Miners Rest and across the City;
- Include actions the community can deliver itself;
- Assist the Miners Rest community and City of Ballarat to manage change; and
- Provide the City of Ballarat with a detailed understanding of local planning issues that are important to the community and establish a direction to guide these challenges.

1.2 Project Objectives

ASR Research, working as sub-consultants to Hansen Partnerships, were engaged by the City of Ballarat to assist it with the preparation of the Miners Rest Structure Plan. ASR Research's primary role was to undertake a community infrastructure assessment to help inform the preparation of the Structure Plan.

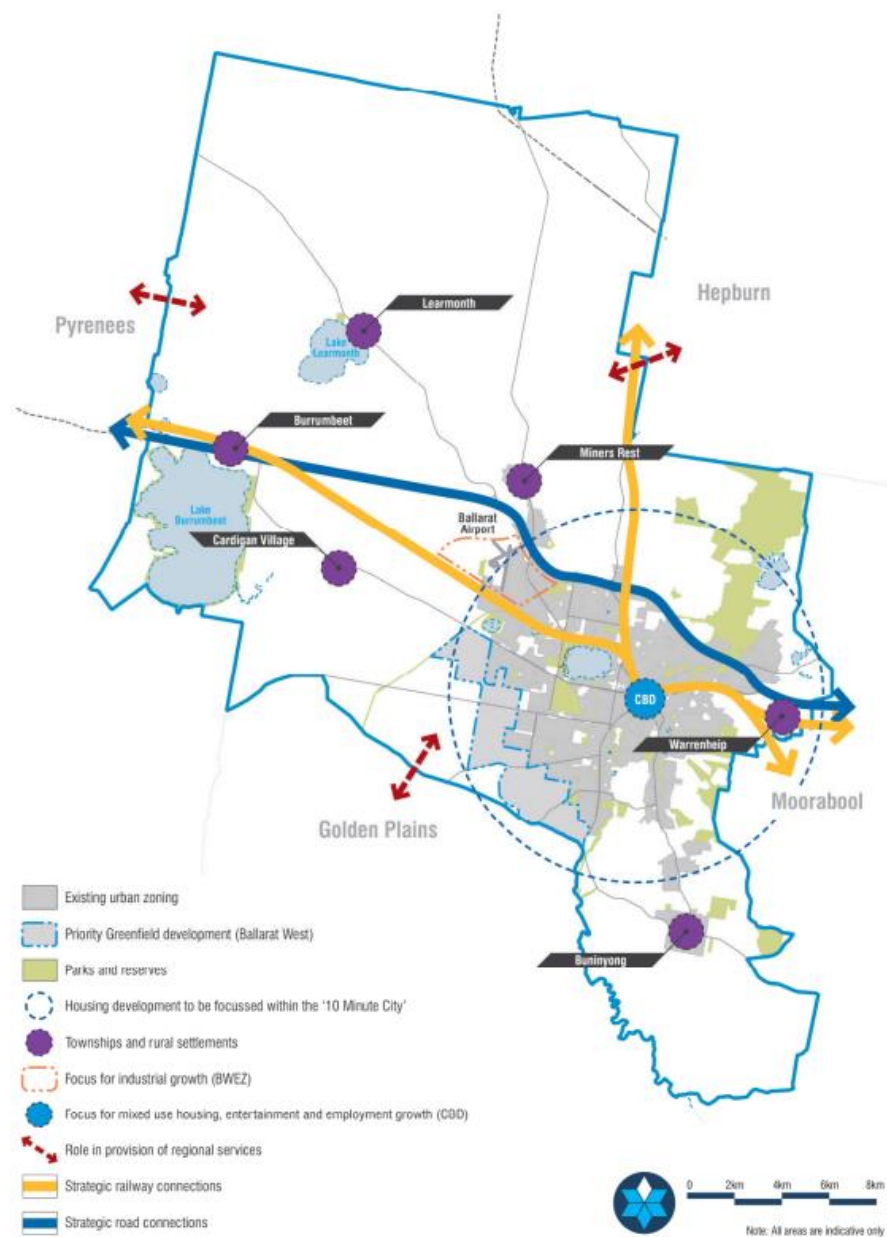
The specific objectives of the community infrastructure assessment were to:

- Identify existing community infrastructure gaps, issues and priorities;
- Assess the impact of population forecasts for both locations on existing and future community infrastructure.
- Assess the need for the potential reconfiguration of existing community infrastructure and / or additional community infrastructure to address current and future needs.
- Identify other community infrastructure opportunities that may require further investigation with the local community.

1.3 Miners Rest Study Area & Township Boundary

As shown in Figure 1 below, Miners Rest is located centrally within the City of Ballarat, just north west of the Ballarat urban area. Figure 1 is the Strategic Framework Plan contained within the Ballarat Planning Scheme. It defines Miners Rest as one of the municipality's six "Townships and rural settlements".

Figure 1 - Location Context



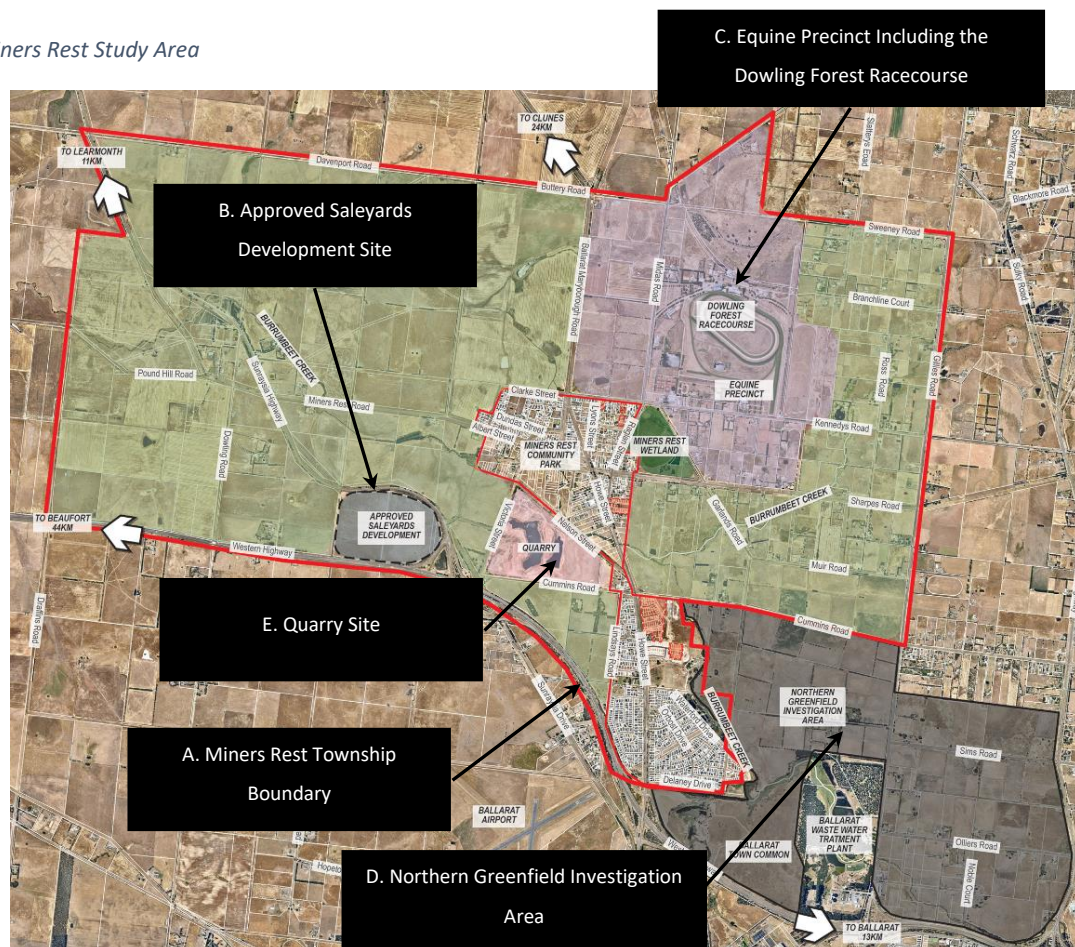
Source: Ballarat Planning Scheme, Strategic Framework Plan (Clause 22.01 – Municipal Overview)

Figure 2 below shows the Miners Rest study area in more detail. The study area is generally bound by:

- Draffins Road and the Sunraysia Highway to the west;
- The Western Highway to the south;
- Gillies Road to the east; and
- Davenport Road, Buttery Road and Sweeney Road to the north.

The existing residential population of the study area lives largely within the Miners Rest Township boundary (shown as “A” on the map) which can be broadly divided into the older northern half containing most of the services and facilities catering for the needs of Miners Rest, and a newer, predominantly residential land use to the south referred to as Macarthur Park. Other features within the study area are the recently approved saleyards development site west of the Township boundary (“B”), the equine precinct to the north east of the Township (“C”), the northern greenfield investigation area (“D”), and a large quarry site located on the Township’s western boundary (“E”).

Figure 2 - Miners Rest Study Area



1.4 2013 Review of the Ballarat Social Infrastructure Plan (2009)

The following report references and builds on much of the information contained within the 2013 review of the 2009 **Ballarat Social Infrastructure Plan** (referred to in this report as the “2013 Ballarat SIP Review” report). The Plan is of particular significance to this assessment as it outlines a number of community infrastructure recommendations for the Miners Rest area which are reviewed in this report. The purpose of the Plan was to:

- Identify the City’s community facility needs over the next 20 years and at full development.
- Assess the capacity of existing infrastructure to satisfy these needs and identify what changes to existing infrastructure and additional facilities are required.
- Indicate where and when this infrastructure should be provided, with a particular emphasis on the infrastructure required to serve new and infill residential development areas.
- Develop a strategy which when implemented will ensure that Council's community infrastructure is relevant to community needs and available and accessible to a range of service providers, local groups and the broad community.

The Ballarat SIP Review report (2013) identified the following key strategic facility issues for the Miners Rest Area are:

Conclusions and Recommendations

- *Miners Rest has a limited range of community infrastructure – a hall, school, tennis courts and small park. This is to be expected given its small population and its close proximity to Wendouree which has a diverse range of local, district, municipal and sub-municipal infrastructure. However, recent residential development has increased the population of Miners Rest to a size where the provision of a preschool can be justified. A new preschool centre is being planned.*

Recommendations

- *Develop a 2 room, 44 place kindergarten in Miners Rest*
- *Construct an oval at Miners Rest (note: there is currently there is no sports clubs in Miners Rest)*
- *Undertake a review of the Miners Rest Hall in the context of a broader review of Council and non-Council halls/meeting spaces in Ballarat. The review should consider the following:*
 - *The age, condition, functionality, accessibility and level of use of the halls*
 - *The cost of upgrading the hall to a functional and compliant condition*
 - *The heritage significance of the halls*
 - *The involvement of the community in developing the halls*

- *Recent works that have been undertaken at the halls.*
- *Measures to optimise the use of community halls. (page 95)*

It should be noted that at the time this report was prepared (in 2013) the population of the Miners Rest–Mitchell Park small area was approximately 4,000 and projected to increase 6,200 at full development.

1.5 Making Miners Rest Township Empowerment Program

The Miners Rest Community Development Team (now no longer active), was formed from a community meeting, held on 30 May 2013. The MRCDT were the drivers and decision makers in the former Making Miners Rest Township Empowerment Program (now the Engaging Communities Program).

This team are committed to a number of current priority projects (some of which have been completed or are currently being implemented) including:

- Miners Rest Community Park (completed);
- Miners Rest Soldiers Memorial (completed);
- Miners Rest Wetlands;
- Miners Rest Community Park Playground (in progress); and
- Library Outreach Van.

1.6 Other Council Strategic Documents

A number of other Council strategic documents were reviewed as part of this assessment including:

- Ballarat Planning Scheme;
- City of Ballarat Council Plan 2017 – 2021;
- Today, Tomorrow, Together: The Ballarat Strategy Our Vision for 2040 (2013);
- The Ballarat Open Space Strategy (2008);
- The City of Ballarat Recreation Strategy (2014);
- The Ballarat Aquatic Strategy (2014); and
- Municipal Early Years Plan (MEYP) 2015-2018.

2 Miners Rest Demographic Profile & Community Infrastructure Audit

2.1 Miners Rest-Mitchell Park Demographic Profile

Based on the 2016 ABS Census of Population & Housing Table 1 below reveals that Miners Rest-Mitchell Park population characteristics compared to Ballarat and Regional Victoria:

- A significantly younger median age (33) compared to both Ballarat (38) and Regional Victoria (43);
- A much higher median weekly household income compared to both Ballarat and Regional Victoria;
- A much higher proportion of couples with children compared to both Ballarat and Regional Victoria;
- A much lower proportion of medium density housing stock compared to both Ballarat and Regional Victoria;
- A significantly higher proportion of households with a mortgage compared to both Ballarat and Regional Victoria;
- A much higher median weekly rent compared to both Ballarat and Regional Victoria;
- A much lower proportion of households renting compared to both Ballarat and Regional Victoria;
- A lower proportion of people born overseas compared to both Ballarat and Regional Victoria;
- A higher proportion of people with vocational qualifications compared to both Ballarat and Regional Victoria;
- A lower unemployment rate compared to both Ballarat and Regional Victoria; and
- A higher level of socio-economic advantage compared to both Ballarat and Regional Victoria.

Table 1 – Miners Rest Demographic Characteristics Compared to City of Ballarat & Victoria

2016 ABS Census Variable	Miners Rest - Mitchell Park	City of Ballarat	Regional VIC
Median Age	33	38	43
Median weekly household income	\$1,537	\$1,158	\$1,124
Couples with children	42%	26%	25%
Older couples without children	9%	10%	12%
Medium and high density Housing	3%	18%	10%
Households with a mortgage	52%	31%	31%
Median weekly rent	\$305	\$254	\$238
Households renting	17%	30%	24%
Overseas born	5%	9%	11%
Vocational qualifications	26%	21%	22%
Unemployment	4.0%	7.1%	6.0%

Sources: City of Ballarat Community Profile (.id 2017)

2.2 Current Projected Population Change for Miners Rest

This section outlines the current projected population forecasts for Miners Rest as revealed by the Shire of Ballarat Population Forecasts¹ prepared by .id consulting on behalf of Council (<http://forecast.id.com.au/Ballarat/home>).

The forecasts presented in this section are based on the “Miners Rest-Mitchell Park” small area² which, it should be noted, is larger than the study area used for the purposes of this assessment. This small area is bounded in the north by Davenport Road, Gillies Street, Learmonth-Sulky Road, and part of the municipal boundary with the Shire of Hepburn; in the east primarily by Ballarat-Maryborough railway line; in the south by the Western Freeway, Ring Road and the Ballarat-Ararat railway line; and in the west by Draffins Road and the Sunraysia Highway.

The current forecasts do not yet reflect the land use development changes proposed in the Miners Rest Township Plan. As shown in Table 2 below the population of the Miners Rest – Mitchell Park small area is projected to increase by over 38% from 2016 to 2036. During this period the area will be home to an additional 1,700 people (approximately) and its total population is anticipated to increase from approximately 4,400 to 6,100.

Table 2 - Miners Rest – Mitchell Park Population & Dwelling Forecasts: 2016 to 2036

	Year						
	2016	2021	2026	2031	2036	Total Change	% Change
Average household size	2.86	2.8	2.75	2.7	2.67	-0.19	-7%
Dwellings	1,635	1,820	2,014	2,214	2,419	784	48%
Households	1,550	1,729	1,913	2,103	2,298	748	48%
Total Population	4,439	4,852	5,264	5,683	6,143	1,704	38%

Source: City of Ballarat Population Forecasts (.id, November 2017)

Table 3 below shows the projected population growth in a number of age cohorts that underpin the demand for various forms of community infrastructure. It clearly shows that over the next 20 years the Miners Rest – Mitchell Park small area will most likely:

¹ The City of Ballarat population and household forecasts present what is driving population change in the community and how the population, age structure and household types will change each year between 2016 and 2036, and within specific geographic areas (generally described as ‘small areas’). The forecasts are designed to provide community groups, Council, investors, business, students and the general public with knowledge to make confident decisions about the future. These forecasts were last updated in November 2017 by .id, the population experts, on behalf of the City of Ballarat. Forecasts are available for each year from 2016 to 2036.

² This small area includes the localities of Mitchell Park and Mount Rowan, most of the locality of Miners Rest, and the City of Ballarat part of the locality of Sulky. A small part of the locality of Miners Rest is located in the Rural West small area. Part of the locality of Sulky is located in Hepburn Shire.

- Generate modest increases in demand for all early years services including MCH, Kindergarten and Long Day Child Care;
- Generate an increased demand for primary school enrolments (approximately 170 additional enrolments);
- Generate an increased demand for secondary school enrolments (approximately 170 additional enrolments);
- Generate an increased demand for junior (5 to 14 years) and senior (15 + years) organised sport; and
- Generate a significant increase in demand for all forms of aged care service provision (e.g. residential aged care and HACC services), as well as meeting spaces to support activities and groups for older persons.

Table 3 – Miners Rest / Miners Rest Age Cohort Specific Population Projections: 2016 to 2036

Age Cohort	Community infrastructure types the age cohort is relevant to	Year						
		2016	2021	2026	2031	2036	Change from 2016 to 2036 - No.	Change from 2016 to 2036 - %
0-3	MCH, Playgroups	319	324	339	363	391	72	23%
4	4-year-old Kindergarten	78	84	88	94	101	23	29%
0-4	Long Day Child Care & Occasional Child Care	397	408	427	457	492	95	24%
5-11	Primary School enrolments, out of school hours care	511	576	606	640	683	172	34%
5-14	Participation in organised children's sport	677	778	833	880	937	260	38%
15+	Participation in organised youth & adult sport	3,219	3,550	3,929	4,309	4,682	1,463	45%
15-24	Participation in higher education (youth & young adult)	508	546	614	679	725	217	43%
25+	Participation in higher education (older adults)	2,711	3,004	3,315	3,630	3,957	1,246	46%
12-17	Secondary School enrolments	320	372	430	459	485	165	52%
70+	Residential & home based aged care services	210	268	336	400	461	251	120%
0 to 64 years	HACC services (younger clients)	3,942	4,292	4,659	5,022	5,403	1,461	37%
65+ years	HACC services (older clients)	351	444	530	624	708	357	102%
Total Population		4,293	4,736	5,189	5,646	6,111	1,818	42%
Dwellings		1,632	1,817	2,011	2,211	2,416	784	48%

Source: Ballarat Shire Population Forecasts (.id 2015)

Section 5 of this assessment provides a more detailed analysis of the implications of these population forecasts on the development of the Miners Rest Structure Plan.

2.3 Existing Community Infrastructure within Miners Rest

As shown in Figure 3 the Miners Rest area contains the following community infrastructure and open space:

Council community buildings

1. Miners Rest Community Hall
2. Miners Rest Kindergarten

Education

3. Miners Rest Primary School

Other community facilities

4. Miners Rest CFA Fire Station

Sports facilities

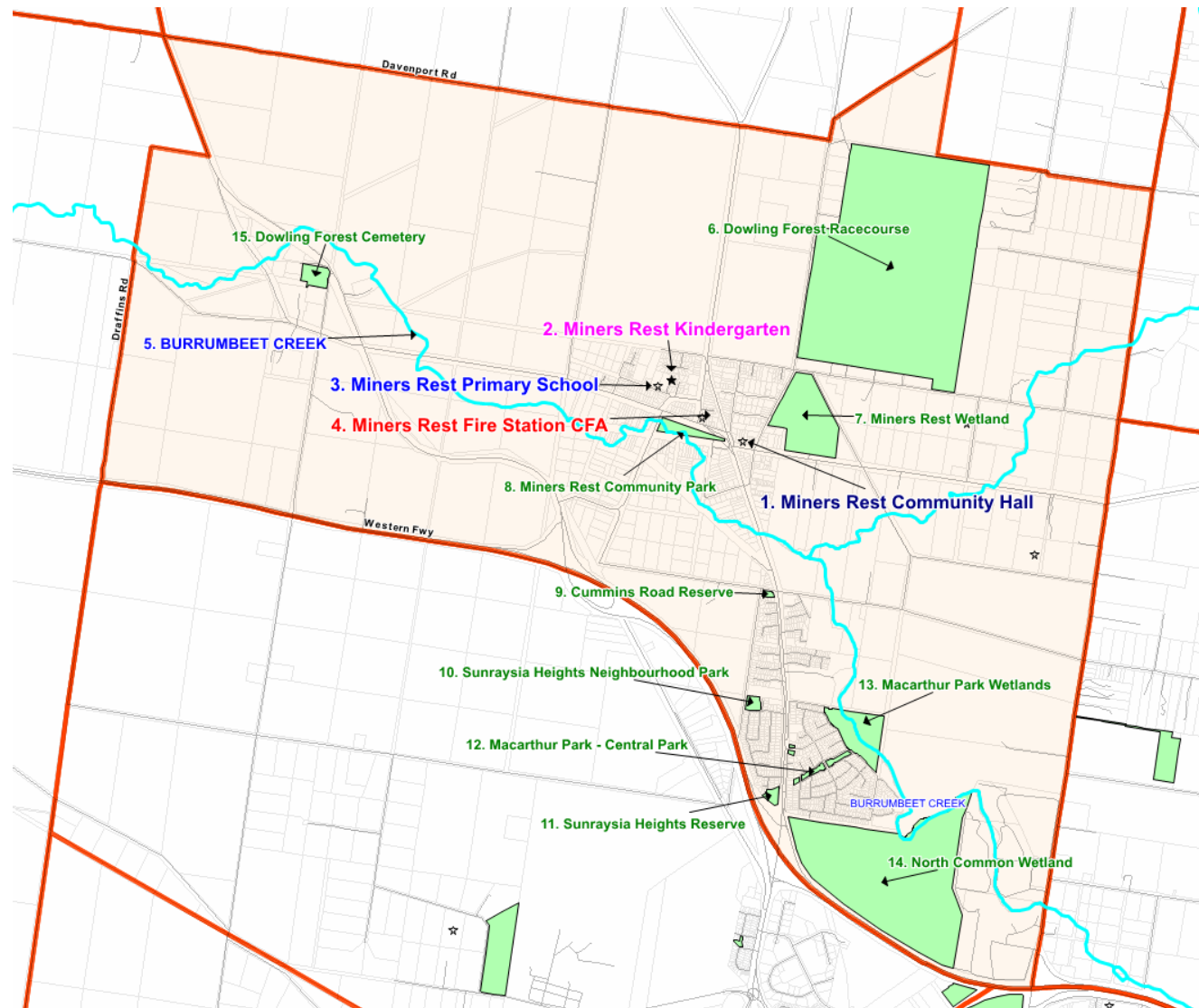
5. Dowling Forest Racecourse

Open Space

6. Burrumbeet Creek (note: not all of the Creek is located within public open space)
7. Miners Rest Wetland
8. Miners Rest Community Park (includes playground)
9. Cummins Road Reserve (includes playground)
10. Sunraysia Heights Neighbourhood Park (includes playground)
11. Sunraysia Heights Reserve
12. Macarthur Park Entry Reserve and Central Park
13. Macarthur Park Wetlands (includes playground)
14. North Common Wetland
15. Dowling Forest Cemetery

More detailed social infrastructure audit maps are provided in Appendix 2 of this assessment.

Figure 3- Existing Community Infrastructure in Miners Rest



Although a number public open space reserves are located within the Macarthur Park estate to the south, most notably Macarthur Park Wetlands, the majority of community infrastructure within Miners Rest is located in the vicinity of the Miners Rest Primary School in the north. As shown in Figure 4 below the Miners Rest Kindergarten is located on the eastern boundary of the Primary School, Miners Rest Park to the south and the Miners Rest Country Fire Authority (CFA) Station to the south east. Miners Rest Hall and the Miners Rest Wetland is located further east on the eastern side of Howe Street which is the main road dividing this portion of the Township. The Township also has a limited shared pathway network that currently lacks connectivity and reach. The existing pathways are shown in Figures 4 and 5 as dotted lines. The key existing pathways are:

- A circular pathway around the perimeter of the Miners Rest Wetland;
- A range of new looping paths through and around the redeveloped Miners Rest Community Park;
- A main northern pathway stretching along Howe Street, Miners Rest Community Park and Creswick Street (this facilitates connection to the Miners Rest Primary School and Kindergarten via Dundas Place); and
- A pathway within the Macarthur Park Wetlands.

The pathway network lacks connection between the southern Macarthur Park estate and the northern portion of the Miners Rest community. A key opportunity remains the establishment of a more extensive shared pathway along the Burrumbeet Creek which currently accommodates minimal pathways apart from a small local network within the Macarthur Park Wetlands.

Figure 4 - Miners Rest Main Community Infrastructure Hub: Northern Section

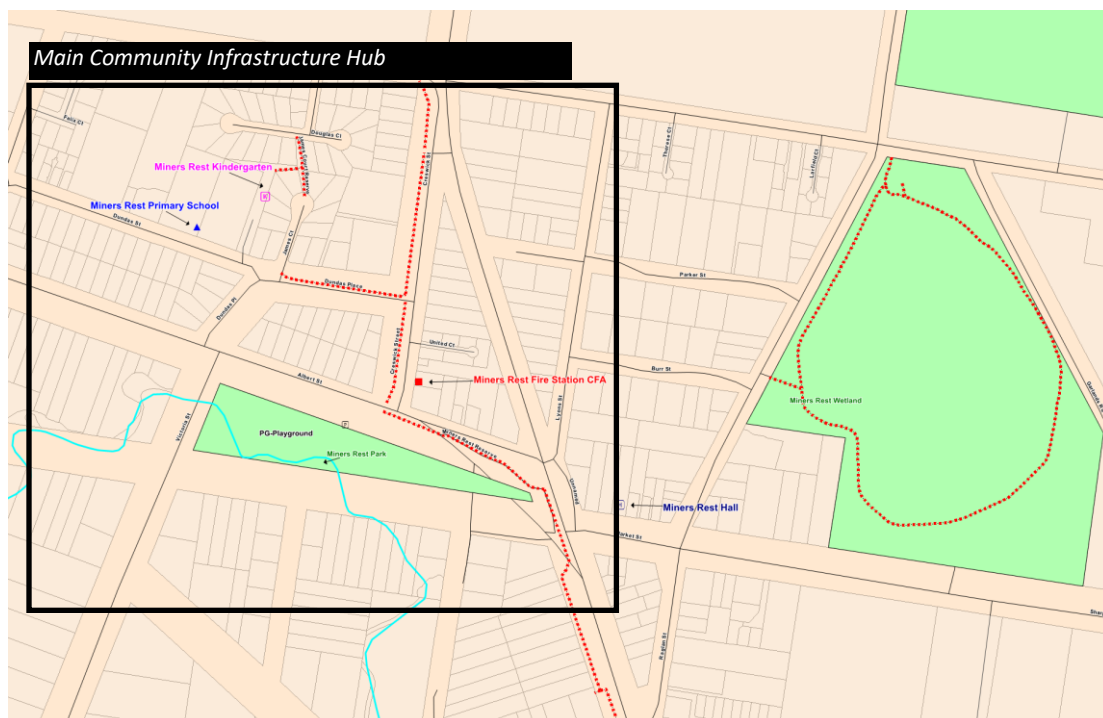


Figure 5 - Miners Rest Community Infrastructure: Southern Section (Macarthur Park estate)



3 Summary of Consultation with Council Officers and External Stakeholders

3.1 Overview

One workshop with Ballarat City Council officers from Departments representing a diverse range of community infrastructure forms was conducted on May 11, 2017 to discuss current social infrastructure issues, needs opportunities associated with the Miners Rest community.

In addition to the Council officer workshop interviews were conducted with two key local service providers: 1) the Miners Rest Primary School and 2) the Miners Rest Kindergarten.

Key feedback received from Council officers and the two service providers are summarised below.

3.2 Improving the Shared Pedestrian and Bicycle Network

Council to continue to pursue the development of a shared pedestrian and bicycle pathway along the Burrumbeet Creek that will, in the long term, connect Miners Rest with the urban areas of Ballarat.

3.3 Ongoing Development of Miners Rest Community Park

Council has been committing ongoing resources into the Miners Rest Community Park Revitalisation Project. As shown in Figure 6 on the following page this has resulted in a range of improvements such as fencing, tree planting, interpretive signage, bmx tracks, a well garden, soldiers memorial arch, a bridge (to link the northern and southern sides of the Burrumbeet Creek into the one reserve), landscaping, new pathways, a new shelter, BBQ facilities, water fountain, public art / sculpture, a multipurpose outdoor court catering for informal sporting activities such as basketball. The Miners Rest Landcare Group has also assisted with the planting of trees along the Burrumbeet Creek in the Miners Rest Community Park.

Future initiatives being considered for the Park by Council in consultation with the local community include installing a skate park, new playground (currently in planning phase and will be delivered next financial year) and new public toilet (consideration of upgraded or new public toilet is also currently being explored).

Figure 6 - New Miners Rest Community Park Shelter & BBQ



3.4 Provision of Active Open Space

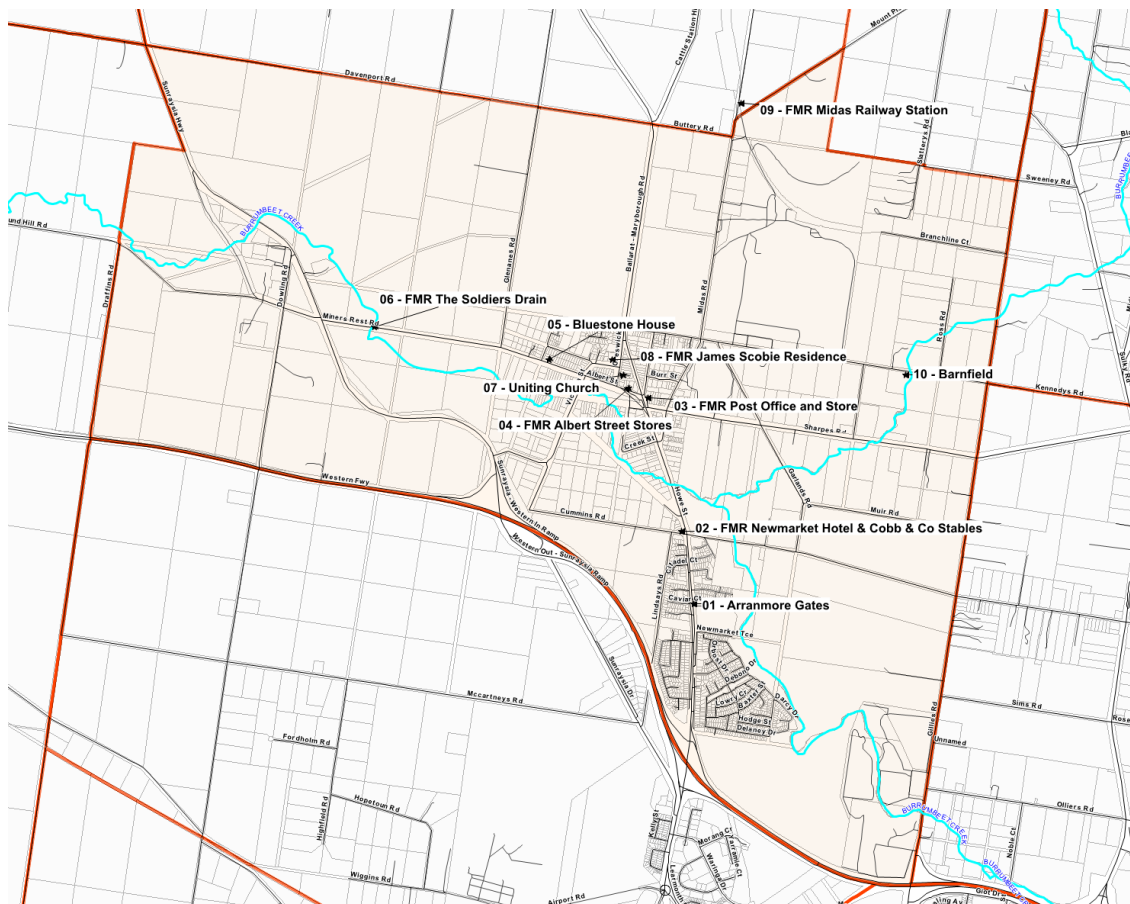
The provision of active open space within Miners Rest remains the single biggest social infrastructure gap in the local community, and has been identified as a priority in a number of previous Council strategic documents including Council's Recreation Strategy. However, the capacity to secure additional active open space via future development appears unlikely due to the significant flooding encumbrances likely to impact on developable land opportunities within the study area.

3.5 Ongoing Development of the Miners Rest Heritage Trail

Continue to build on the existing Miners Rest Cultural Heritage Trail, shown below in Figure 7, to include Aboriginal interpretative elements³.

³ Note: Signage recognising local Aboriginal history and the Heritage Trail was installed onto signage in the Miners Rest Community Park as part of the redevelopment of the Park. Further initiatives have not been identified.

Figure 7 - Miners Rest Heritage Trail



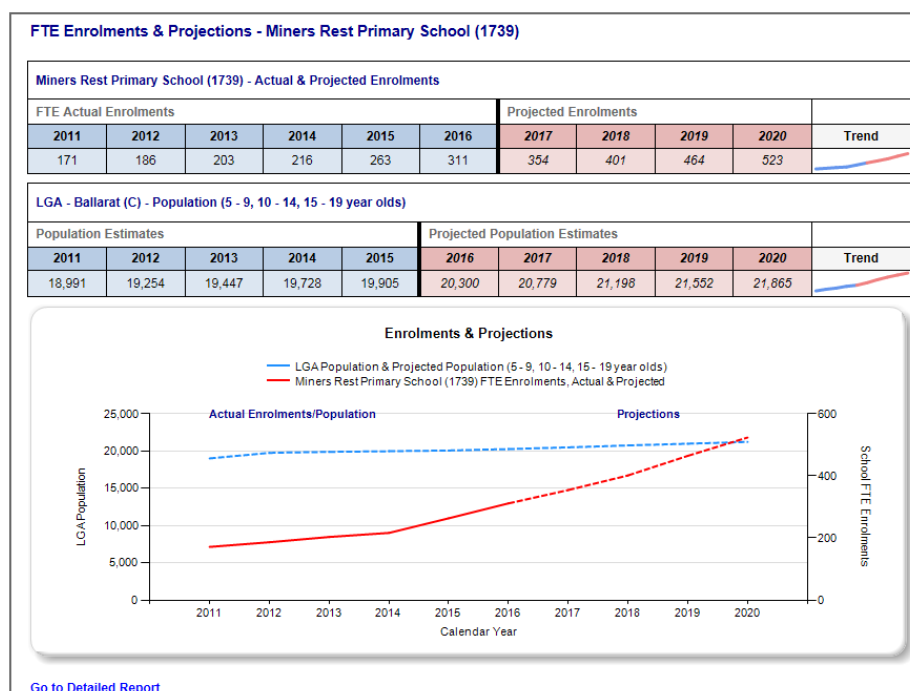
3.6 Future Expansion of Miners Rest Primary School⁴

- The 2018-19 State Budget includes \$17.2 million toward the planning for new schools across the State. This includes funding for a new Miners Rest Primary School⁵.
- The School had approximately 300 enrolments in 2016 and has more than doubled its enrolment base since 2008 when the school recorded 141 enrolments. The School also employs 20 teaching staff and 7 non-teaching staff.
- Projected enrolment growth, as shown below in Figure 8, will continue to place pressure on the capacity of the School to meet this demand.

⁴ Interview conducted with Dale Power, Principal.

⁵ To meet the needs of the growing local community and prepare for future students, the Victorian School Building Authority (VSBA) is considering a number of options to expand Miners Rest Primary School.

Figure 8 - Actual and Projected Enrolments for Miners Rest Primary School



Source Miners Rest Primary School

- Enrolment increases have been due to both local residential growth, as well as relatively recent closures to two nearby schools at Learmonth and Windermere⁶.
- The size of the school site (approximately 1.6 hectares) is relatively small and struggling to cope with increasing enrolment demand.
- The School believes expansion options include: 1) purchasing privately-owned land adjacent to the western boundary of its present site (as shown in Figure 9 on the following page), or 2) purchasing a completely new site within Miners Rest.
- Purchasing the entire site would not only enable the school to cater for future enrolment growth, but also pursue a joint school / Council outdoor sporting function, a need identified by previous Council studies.
- The School also includes two tennis courts which, until recently (due to declining demand), was being used by the Miners Rest Tennis Club.

⁶ Note: Some townships like Miners Rest service a much larger population catchment than the area they are located within, and more than a comparative population within an urban area.

Figure 9 - Aerial View of land adjacent to Miners Rest Primary School



3.7 Upgrade of Miners Rest Kindergarten⁷

- The Kindergarten offers three 4-year old Kindergarten groups, one 3-year old group and one playgroup per week.
- The Centre currently has two rooms and accommodates approximately 70 Kindergarten enrolments.
- Each room is licensed for 33 places but operates effectively as 22 places due to current funding regimes.
- The Centre does not operate 1 day per week and has some spare capacity to absorb future enrolment growth.
- Car parking congestion is a problem at the Centre.
- The Centre would like capital funding to provide the facility with more storage, more staff room capacity, the capacity to open windows and an improved heating / cooling system.

⁷ Interview conducted with Julie Lebkoski, Coordinator

4 Future Community Infrastructure Demand & Supply Estimates

4.1 Development & Population Assumptions

This section provides indicative quantitative community infrastructure demand and supply estimates for the Miners Rest – Mitchell Park small area from 2016 to 2036 using Ballarat City Council's population forecasts prepared by .id consulting (<http://forecast.id.com.au/Ballarat/home>).

4.2 Community Infrastructure Provision Measures and Standards

Appendix 1 of this report provides indicative estimates for various forms of community infrastructure that lend themselves to some form of quantifiable demand and / or supply measure. ***It should be emphasised that the numbers indicated should not be interpreted as final provision recommendations for the township plan area.*** Community infrastructure assessments also require existing strategic priorities be taken into consideration, as well as the capacity of existing services and facility to meet current and future needs.

To assess future need, the service and / or facility provision ratios (or measures) were applied to population projections for the full development scenarios of both structure plan locations. A description of these measures, the assumptions that underpin them, and their source is outlined in Table 4 on the following pages.

It should be emphasised that townships such as Miners Rest also service population catchments beyond their urban core area, particularly rural and smaller township populations not large enough to sufficiently justify a diverse range of community infrastructure. To some extent this has been taken into account by way of the community infrastructure audit (refer to Appendix 2) and some of the consultation findings in order to qualitatively assess the numeric estimates provided in Appendix 1 for Miners Rest only. However, a full and detailed assessment of broader regional population implications on the need for additional social infrastructure in Miners Rest was beyond the scope of this assessment.

Table 4 – Summary of Key Community Infrastructure Provision Measure Assumptions and their Source

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Provision Assumption Source
Recreation facilities and recreation participation			
<i>Active open space</i>	1.5 hectares per 1,000 people.	This is based on 6% of Net Developable Area – equating to approximately 1.5 hectares per 1,000 people.	Victorian Planning Authority planning guideline
<i>Indoor recreation centres / courts</i>	10,000	Total population per court	Typical standard used by some Melbourne Growth Area Councils (note: individual LGAs vary on their views about the “desired” benchmark and some have no documented working benchmark).
<i>Council aquatic / leisure centre memberships</i>	3.4%	% of Population who are members of a Council aquatic / leisure centre	Based on 2010 CERM PI® Operational Management Benchmarks for Australian Public Sports & Aquatic Centres
<i>Participation in Sport & Leisure: People aged 15 and over</i>	Refer to Appendix 1 for more details of Victorian participation rates for individual sports and leisure activities	Calculates the number of sports participants aged 15 + years by applying ABS survey data to the projected population growth of the study area.	ABS, Participation in Sport and Physical Recreation, Australia, 2011-12
<i>Participation in Sport & Leisure: Children aged 5 to 14</i>	Refer to Appendix 1 for more details of Victorian participation rates for individual sports and leisure activities	Calculates the number of sports participants aged 5 to 14 years by applying ABS survey data to the projected population growth of the study area.	ABS, Children's Participation in Cultural and Leisure Activities, Victoria, 2012
Early years demand and facilities			
4-year old Kindergarten			
<i>% of 4 year olds participating in 4 year old Kindergarten</i>	101%	% of all eligible children participating in 4 Year Old Subsidised Kindergarten in Ballarat	Based on indicator 31.1a Number of four year old kindergarten participation rate for Ballarat: 101% (2015 data). Victorian Child and Adolescent Monitoring System (VCAMS), Department of Education & Training
<i>Total number of enrolments in 4 year old sessional Kindergarten</i>	75%	% of participating children (see above) enrolled at a Sessional Kindergarten service	Based on indicator 31.4 Number of four year old kindergarten enrolments in a long day care or integrated children's services setting for Ballarat: 25% (2015 data). Victorian Child and Adolescent Monitoring System (VCAMS), Department of Education & Training
3-year old Kindergarten			
<i>% of 3 year olds participating in 3 year old Kindergarten</i>	30%	% of all 3 year old children participating in 3 Year Old Kindergarten	ASR Research constructed measure

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Provision Assumption Source
Total number of enrolments in 3-year-old Kindergarten program.	100%	% of participating children (see above) enrolled in a 3 year old program.	ASR Research constructed measure
Number of Kindergarten rooms when proposed policy changes are implemented	66	Number of sessional Kindergarten rooms required if 1 Kindergarten room accommodates 66 enrolments per week	ASR Research constructed measure
Maternal & Child Health			
Number of MCH sessions per week	60	1 session per 60 children aged 0-3 years	ASR Research calculated measure using actual Growth Area Council data (2008)
Number of MCH consulting units	10	Number of MCH consulting units required based on number of sessions per week (see above)	ASR Research constructed measure
Playgroup			
Number of 2 hr playgroup sessions per week	165	Total number of children aged 0-3 years per playgroup session, per week	ASR Research constructed standard using actual playgroup sessions per week in the City of Ballarat (2017)
Early Childhood Intervention Services			
Number of early childhood intervention sites	60,000	Total population per facility	Planning for Community Infrastructure In Growth Area Communities: Standards Project (April 2008)
Occasional Child Care			
Number of occasional child care places @ 1 place per 48 children aged 0-6 years	4.4	Total number places per 1,000 children aged 0-4 years	Current provision rate for the City of Ballarat, ASR Research calculation
Long Day Child Care Centres			
Number of Long Day Child Care places	255	Total number places per 1,000 children aged 0-4 years	Current provision rate for the City of Ballarat, ASR Research calculation
Multipurpose community centres			
Local multipurpose community centre	3,000	Number of dwellings per local facility	Typical standard applied in Growth Area PSP's overseen by the VPA (note: some Councils, particularly Growth area Councils, have developed a hierarchy of community centres which are to be delivered at different population levels and configured with different floor area sizes and functions.

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Provision Assumption Source
			Estimates provided are therefore highly indicative.
<i>multipurpose community meeting space</i>	30	Total number people per sqm of Council community meeting space	ASR Research constructed measure
Neighbourhood Houses			
<i>Number of Neighbourhood Houses</i>	35,000	Population (approximate) per facility	Indicative existing provision ratio for Ballarat which has 3 facilities (2017)
Libraries			
<i>Library loans and visits</i>	Refer to Appendix 1 for more details of loan and visitation rates for Ballarat.	Calculates the number of library loans and visits by applying Annual Survey of Victorian Public Libraries data to the projected population growth of the study area.	Annual Survey of Victorian Public Libraries 2014-2015 (Central Highlands Libraries Data)
Education Enrolment & Facility Estimates			
<i>Primary School enrolment estimates</i>	Refer to Appendix 1 for more details of participation rates for the City of Ballarat.	Calculates the number of primary school enrolments by applying ABS Census participation rates to the projected population growth of the study area.	Based on City of Ballarat education participation rates identified within the 2011 ABS Census data
<i>Government Primary School facilities</i>	3,000	Total number of dwellings per facility	Department of Education & Training
<i>Secondary School enrolment estimates</i>	Refer to Appendix 1 for more details of participation rates for the City of Ballarat	Calculates the number of primary school enrolments by applying ABS Census participation rates to the projected population growth of the study area.	Based on City of Ballarat education participation rates identified within the 2011 ABS Census data
<i>Government Secondary School facilities</i>	9,000	Total number of dwellings per facility	Department of Education & Training
<i>TAFE enrolment estimates</i>	Refer to Appendix 1 for more details of participation rates for the City of Ballarat.	Calculates the number of primary school enrolments by applying ABS Census participation rates to the projected population growth of the study area.	Based on City of Ballarat education participation rates identified within the 2016 ABS Census data
<i>University enrolment estimates</i>	Refer to Appendix 1 for more details of participation rates for the City of Ballarat.	Calculates the number of primary school enrolments by applying ABS Census participation rates to the projected population growth of the study area.	Based on City of Ballarat education participation rates identified within the 2016 ABS Census data
Primary & Acute Health Services			
<i>Number of public and private hospital beds</i>	3.6	Number of public and private beds per 1,000 people (Australian hospital statistics 2012–13)	Australian Institute of Health & Welfare, Australian hospital statistics 2012–13
<i>Number of public hospital beds</i>	2.4	Number of public beds per 1,000 people (Australian hospital statistics 2012–13)	Australian Institute of Health & Welfare, Australian hospital statistics 2012–13
<i>General practices</i>	0.50	GP clinics per 1,000 people.	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Provision Assumption Source
<i>Dental services</i>	0.20	Dental services per 1,000	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
<i>Pharmacies</i>	0.20	Pharmacies per 1,000 people	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
<i>Projected hospital admissions</i>	447.4	Admissions per 1,000 people	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
<i>Emergency presentations</i>	411.6	Presentations per 1,000	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
<i>Drug & alcohol clients</i>	6.3	Clients per 1,000	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
<i>Mental health clients</i>	17.1	Clients per 1,000 people.	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011
Aged Care & HACC			
<i>Number of residential aged care beds</i>	80	Number of beds per 1000 people aged 70 years +	Proposed Australian Government Planning Ratio by 2021 (2012)
<i>HACC Services</i>	Refer to Appendix 1 for more details of individual service ratios.	Various measures for individual HACC services	Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011

4.3 The Limitations of Community Infrastructure Standards

While providing a useful **guide** of demand and supply requirements generated by a given development scenario, community infrastructure standards and “demand estimators” do have limitations. For example, the estimates of organised sporting participation are based on survey data from the ABS and generalised for the Victorian population as a whole.

4.4 Miners Rest Structure Plan Community Infrastructure Assessment

Tables 5 on the following pages discuss the implications of the demand and supply estimates provided in Appendix 1 in the context of existing supply characteristics, and other more qualitative considerations.

Table 5 - Miners Rest Structure Plan Community Infrastructure Assessment

Service / Community infrastructure type	Key Assessment Findings
Passive & Active Open Space & Trails	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest contains no active open space. Two tennis courts are located within the Miners Rest Primary school, and was being used until recently by the Miners Rest Tennis Club. The establishment of an outdoor sports reserve (active open space) for Miners Rest has been a key social infrastructure priority for Miners Rest for some time, and is referred to in a number of Council's strategic documents including the City of Ballarat Recreation Strategy (2014) and the 2013 Review of the Ballarat Social Infrastructure Plan. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The current population of the Miners Rest - Mitchell Park small area is sufficient to justify 4 hectares of active open space. The projected population of Miners Rest by 2036 is sufficient to warrant the provision of 6 hectares of active open space. Using planning benchmarks for individual sports produces the following hypothetical configuration model for future outdoor sports provision in Miners Rest at full capacity. <ul style="list-style-type: none"> 1 cricket ovals (currently 0); 1 Australian Rules ovals (currently 0); 0.4 lawn bowl greens (currently 1); 1 outdoor netball courts (currently 1); 1 soccer playing fields (currently 0); and 2 tennis courts (currently 2). <p>Findings</p> <p>While this assessment supports the establishment of an active open space reserve in Miners Rest, it should be acknowledged that future residential subdivision within the Township, the typical method by which growth area Council's secure the land component for active open space, is not likely to be at a sufficient scale to generate a large sports reserve. However, the following two response options are recommended:</p> <ul style="list-style-type: none"> Option 1 - Ballarat Council purchases land in a suitable location for a new standalone active open space, preferably on the eastern side of the Miners Rest Township; or Option 2 - Ballarat Council and Miners Rest Primary School jointly pursue State Government funding to expand the existing Miners Rest Primary School on its western boundary, and establish a joint school / community sports playing field as part of this process. The playing field will have the capacity to cater for junior sporting competitions such as Australian Rules Football, cricket and soccer. <p>Passive open space measures recommended for Miners Rest are:</p> <ul style="list-style-type: none"> Continue to implement a range of initiatives to improve the role and function of the Miners Rest Community Park. Continue to pursue the development of a shared pedestrian and bicycle pathway along the Burrumbeet Creek that will, the long term, connect Miners Rest with the urban areas of Ballarat. Continue to build on the existing Miners Rest Cultural Heritage Trail to include Aboriginal interpretative elements.

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Service / Community infrastructure type	Key Assessment Findings
	<ul style="list-style-type: none"> Investigate pedestrian and bicycle pathway development options that best allow for safe and efficient crossing of the Western Highway within Miners Rest.
Council Indoor Recreation Courts & Aquatic Leisure Centres	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest contains no existing Council outdoor or indoor aquatic leisure facility. There are also no indoor multipurpose recreation courts in Miners Rest. However, an outdoor multipurpose one-court facility is provided for within the Miners Rest Community Park. The nearest major facilities are located 9 kilometres south at the Ballarat Aquatic & Lifestyle Centre and Wendouree Sports & Events Centre. Both of these facilities are the focus of major redevelopment and expansion priorities for the City of Ballarat. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area generates a need for approximately half of one indoor recreation court. <p>Findings</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area is not sufficient to justify the provision of a new indoor recreation centre for Miners Rest.
Early Years Services	
Long Day Child Care	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest currently contains no long day child care centre. The nearest long day child care facility is located 11 kilometres south (about 14 minutes by car) at Goodstart Early Learning Wendouree. This facility currently has vacancies most days of the week for most age groups⁸. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected 0-4 year old population projections for the Miners Rest – Mitchell Park small area indicate a steady demand for approximately 100 long day child care centre places from 2016 to 2036. This is the equivalent of approximately 1 medium to large long day child care facility. <p>Findings</p> <ul style="list-style-type: none"> Ballarat City Council provides only a small proportion of the long day child care facilities and places available in the municipality. Expansion of its role in long day child care, along with most other Victorian Councils, is not a key priority of Council. However, Council can ensure that child care provision by both the private and non-government sector is delivered and distributed effectively and efficiently via its advocacy and planning roles. Council officers have indicated that the municipality as a whole has an excess supply of long day child care places, and that three new facilities have recently opened. Although it is still possible for a private provider to establish a long day child care centre within Miners Rest, Council would prefer that the current oversupply of places is not exacerbated by encouraging additional provision in the Township in the short-term. However,

⁸ Source: MyChild website data for period covering May 22, 2017 to May 28, 2017 (<http://ifp.mychild.gov.au/ChildCareService/Provider.aspx/18685/>).

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Service / Community infrastructure type	Key Assessment Findings
	<p>this assessment recommends Council continue to monitor both supply and demand trends with a view to determining whether, as a long term measure, a long day child care centre is needed in Miners Rest.</p>
<i>4 & 3-year-old sessional Kindergartens</i>	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> • The Miners Rest Kindergarten is the only Council owned sessional Kindergarten facility in Miners Rest and contains two rooms. • This facility, which opened in 2015, currently has 70 enrolments and offers both 4 and 3-year-old Kindergarten programs, as well as a playgroup. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> • The projected 4-year-old population projections for the Miners Rest – Mitchell Park small area indicate demand increasing from 60 to 80 enrolments from 2016 to 2036. Overall, this equates to a long-term need for 1 Kindergarten room to cater for 4-year-old demand. However, when 3-year old kindergarten demand is factored an additional half a kindergarten room need is also required. <p>Findings</p> <ul style="list-style-type: none"> • No additional expansion to Kindergarten capacity in Miners Rest is recommended for the forecast period 2016 to 2036. However, minor upgrades to the existing Miners Rest Kindergarten is supported including increased storage capacity, air-conditioning and adjustments to the existing windows to allow them to be opened and shut by staff.
<i>Maternal & Child Health (MCH)</i>	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> • There are no Maternal & Child Health services are provided within Miners Rest. The nearest MCH facility is located approximately 9 kilometres south (about 10 minutes by car) at the Coinda Maternal & Child Health Centre. <p>Projected demand / supply requirements by 2036</p> <p>The demand for MCH services from the Miners Rest – Mitchell Park small area is projected to increase slightly from 5 to 7 sessions per week over the forecast period, equating to less than 1 MCH consulting room.</p> <p>Findings</p> <ul style="list-style-type: none"> • Although outreach of MCH services to Miners Rest has some merit, the preferred model of establishing such facilities as dual consulting rooms (i.e. operating with two nurses at any one time) is not justified at this stage and unlikely to be triggered over the next 20 years. Therefore, no MCH provision for Miners Rest is recommended.
<i>Playgroups</i>	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> • There is currently one playgroup operating from the Miners Rest Kindergarten every Tuesday for two hours. <p>Projected demand / supply requirements by 2036</p>

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Service / Community infrastructure type	Key Assessment Findings
	<ul style="list-style-type: none"> The projected demand for Playgroups from the Miners Rest – Mitchell Park small area is forecast to remain steady at 1 to 2 playgroup sessions per week over the forecast period. <p>Findings</p> <ul style="list-style-type: none"> No additional facility capacity for playgroup provision in Miners Rest is recommended.
Multipurpose Community Centres and community Meeting Spaces	
Neighbourhood Houses	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest does not have a Neighbourhood House facility. The nearest neighbourhood house to Miners Rest is the Wendouree Neighbourhood Centre located approximately 9 kilometres south (10 minutes by car). <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area does not indicate a need for a new Neighbourhood House service to be established. However, in future there may well be merit determining what outreach services could be delivered within the Township by an existing provider such as the Wendouree Neighbourhood Centre. <p>Findings</p> <ul style="list-style-type: none"> This assessment does not recommend the establishment of a new Neighbourhood House service within Miners Rest. However, it is recommended that Council discuss with an existing Neighbourhood House provider the viability of delivering services on an outreach basis to the Township in future.
Community Meeting Spaces / Community Centres	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest contains the Miners Rest Community Hall which has a heritage overlay applied to it in the Ballarat Planning Scheme. The original features of the Miners Rest Community Hall are over one hundred years old, including an open fireplace. The Hall is approximately 200 square metres in size and has a seating capacity of 100 and includes the main hall and a fully carpeted supper/meeting room for meetings or smaller functions. Regular users of the Hall include Landcare and the Lions Club. The Hall committee hosts a morning tea 1st Wednesday of the month 10-11.30am and offers Yoga exercise classes. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area generates a need for 150 to 200 square metres of community meeting space over the forecast period. This also equates to approximately 0.5 to 0.8 of a typical multipurpose Council community centre. <p>Findings</p>

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Service / Community infrastructure type	Key Assessment Findings
	<ul style="list-style-type: none"> This assessment does not recommend the establishment of a new community centre for the Miners Rest community until such time as the future expansion ambitions of the Miners Rest Primary School are fully confirmed by the Department of Education and Training. In the event that expansion is supported by the Department and the State Government, future opportunities to incorporate a new community meeting venue within an expanded school should be explored. In the interim Council should continue to investigate with the local community measures to optimise the use of the Miners Rest Community Hall⁹.
Libraries, Arts & Cultural Facilities	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest contains no physical library facility, arts or cultural facilities. However, the City of Ballarat Library Outreach Van visits the Miners Rest Primary School in Dundas Street, 2:30 to 4:30pm, every Monday. The Library Outreach Van provides the Miners Rest community with a fresh collection of adult, young adult and junior fiction, as well as picture books, non-fiction, magazines and CDs, DVDs and talking books <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area is not sufficient to justify a new Library facility. <p>Findings</p> <ul style="list-style-type: none"> While no new Library facility provision is recommended by this assessment, Council's ongoing commitment to its current Miners Rest outreach library service is strongly supported.
Health Facilities	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest contains no medical centres, primary health service or acute health facilities. The nearest community health and acute health services are clustered 12 kilometres from Miners Rest within the Ballarat Central area. This central location contains Ballarat Health Services, Ballarat Community Health, St John of God Ballarat Hospital and Women's Health Grampians. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> The projected population capacity of the Miners Rest – Mitchell Park small area indicates a potential justification for at least one GP clinic within Miners Rest. However, the provision estimates indicate an overall need for 2 to 3 clinics over the forecast period. <p>Findings</p> <ul style="list-style-type: none"> This assessment strongly recommends that Council and the structure planning process encourage the provision of a privately-operated GP clinic within Miners Rest. However, the provision of acute public health and community health services within Miners Rest is unlikely to be a viable option.

⁹ Upgrades at the Miners Rest Hall have started and should be completed by the end of 2018. This has included new flooring, new ceilings, Disability Discrimination Act (DDA) compliance improvements and painting.

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Service / Community infrastructure type	Key Assessment Findings
Education Facilities	
<i>Primary Education</i>	<p>Current Supply & Key Issues</p> <ul style="list-style-type: none"> Miners Rest Primary School is the only education facility within Miners Rest and currently has enrolments of approximately 300 (2016 figures). The School has for some time been attempting to gain support from DET to expand its present site to better cater for future enrolment growth, but without success. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> By 2036 Miners Rest-Mitchell Park small area will generate 630 Primary School enrolments. <p>Findings</p> <ul style="list-style-type: none"> This assessment recommends that the Miners Rest Township Plan include the following two options for the Miners Rest Primary School: <ul style="list-style-type: none"> Subject to State Government funding and commitment, identify a preferred new alternative school site location (3.5 hectares in size), preferably located on the eastern side of the Miners Rest Township and, if feasible, co-located with the new active open space reserve recommended by this assessment; or Option2 - secure additional land to the west of the existing school site in order to allow it to increase its enrolment capacity.
<i>Secondary Education</i>	<p>Current Supply</p> <ul style="list-style-type: none"> Miners Rest does not have any secondary education facilities. The nearest facility is the Ballarat Secondary College (Mt Rowan Campus) which is approximately 8.5 kilometres from the Miners Rest Primary School. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> By 2036 Miners Rest-Mitchell Park small area will generate 410 Secondary School enrolments. <p>Findings</p> <ul style="list-style-type: none"> Given its relatively close proximity to Ballarat High School and other non-government secondary schools to the south, secondary education facility provision within Miners Rest is not likely to be a priority for local education providers.
<i>Residential Aged Care</i>	<p>Current Supply</p> <ul style="list-style-type: none"> There are no existing residential aged care services in Miners Rest. The nearest services are located south in Wendouree and Ballarat North. <p>Projected demand / supply requirements by 2036</p> <ul style="list-style-type: none"> By 2036 Miners Rest-Mitchell Park small area will generate the equivalent of approximately 40 residential aged care beds.

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Service / Community infrastructure type	Key Assessment Findings
	<p>Findings</p> <ul style="list-style-type: none">• Given the absence of any residential aged care provision in Miners Rest this assessment recommends Council encourage private or not-for-profit operators to establish a facility in the medium to long term.

5 Summary of Community Infrastructure Findings and Recommendations

Based on the data, consultation and strategic documents reviewed and analysed in the previous sections of the this report a summary of key findings and recommendations is presented below.

5.1 Open, Trails & Cultural Interpretation

- Ballarat City Council to continue to implement a range of initiatives to improve the role and function of the Miners Rest Community Park.
- Ballarat City Council should continue to pursue the development of a shared pedestrian and bicycle pathway along the Burrumbeet Creek that will, the long term, connect Miners Rest with the urban areas of Ballarat.
- Continue to build on the existing Miners Rest Cultural Heritage Trail to include Aboriginal interpretative elements.
- Investigate pedestrian and bicycle pathway development options that best allow for safe and efficient crossing of the Western Highway within Miners Rest.

5.2 Recreation

- While this assessment supports the establishment of an active open space reserve in Miners Rest, it should be acknowledged that future residential subdivision within the Township, the typical method by which growth area Council's secure the land component for active open space, is not likely to be at a sufficient scale to generate a large sports reserve. However, the following two response options are recommended:
 - Option 1 - Ballarat Council purchases land in a suitable location for a new standalone active open space, preferably on the eastern side of the Miners Rest Township, and preferably adjacent to any potential alternative Miners Rest Primary School site; or
 - Option 2 - Ballarat Council and Miners Rest Primary School jointly pursue State Government funding to expand the existing Miners Rest Primary School on its western boundary and establish a joint school / community sports playing field as part of this process. The playing field will have the capacity to cater for junior sporting competitions such as Australian Rules Football, cricket and soccer.
- In pursuing an active open space reserve for Miners Rest, it is also recommended that Council monitor future subdivision proposals in Miners Rest to secure appropriate levels of developer contribution funding that can be directed toward both land acquisition and construction costs.

- The projected population capacity of the Miners Rest – Mitchell Park small area is not sufficient to justify the provision of a new indoor recreation centre for Miners Rest.

5.3 Early Years Services

- No additional expansion to Kindergarten capacity in Miners Rest is recommended for the forecast period 2016 to 2036. However, minor upgrades to the existing Miners Rest Kindergarten is supported including increased storage capacity, air-conditioning and adjustments to the existing windows to allow them to be opened and shut by staff.
- Although outreach of MCH services to Miners Rest has some merit, the preferred model of establishing such facilities as dual consulting rooms (i.e. operating with two nurses at any one time) is not justified at this stage and unlikely to be triggered over the next 20 years. Therefore, no MCH provision for Miners Rest is recommended.
- No additional facility capacity for playgroup provision in Miners Rest is recommended.
- Council officers have indicated that the municipality as a whole has an excess supply of long day child care places, and that three new facilities have recently opened. Although it is still possible for a private provider to establish a long day child care centre within Miners Rest, Council would prefer that the current oversupply of places is not exacerbated by encouraging additional provision in the Township. However, this assessment recommends Council continue to monitor both supply and demand trends with a view to determining whether, as a long term measure, a long day child care centre is needed in Miners Rest.

5.4 Neighbourhood Houses

- This assessment does not recommend the establishment of a new Neighbourhood House service within Miners Rest. However, it is recommended that Council discuss with an existing Neighbourhood House provider the viability of delivering services on an outreach basis to the Township in future.

5.5 Community Meeting Spaces and Community Centres

- This assessment does not recommend the establishment of a new community centre for the Miners Rest community until such time as the future expansion ambitions of the Miners Rest Primary School are fully confirmed by the Department of Education and Training. In the event that expansion is supported by the Department and the State Government, future opportunities to incorporate a new community meeting venue within an expanded school should be explored. In the interim Council

should continue to investigate with the local community measures to optimise the use of the Miners Rest Community Hall.

5.6 Library Services

- While no new Library facility provision is recommended by this assessment, Council's ongoing commitment to its current Miners Rest outreach library service is strongly supported.

5.7 Health

- This assessment strongly recommends that Council and the structure planning process encourage the provision of a privately-operated GP clinic within Miners Rest.
- However, the provision of acute public health and community health services within Miners Rest is unlikely to be a viable option.

5.8 Education

5.8.1 Primary Education

- This assessment recommends that Council continue to engage with the Miners Rest Primary School and the Victorian School Building Authority to identify the best possible expansion option for the Miners Rest Primary School. This assessment recommends that the Miners Rest Township Plan include the following two options for the Miners Rest Primary School:
 - Option 1 – Subject to State Government funding and commitment, identify a preferred new alternative school site location (3.5 hectares in size), preferably located on the eastern side of the Miners Rest Township and, if feasible, co-located with the new active open space reserve recommended by this assessment; or
 - Option2 - secure additional land to the west of the existing school site in order to allow it to increase its enrolment capacity.

5.8.2 Secondary Education

- Given its relatively close proximity to Ballarat High School and other non-government secondary schools to the south, secondary education facility provision within Miners Rest is not likely to be a priority for local education providers.

5.9 Residential Aged Care

- Given the absence of any residential aged care provision in Miners Rest this assessment recommends Council encourage private or not-for-profit operators to establish a facility in the medium to long term.

Appendices

Appendix 1 – Community Infrastructure Demand & Supply Estimates for Miners Rest Structure Plan

Note: the following estimates exclude service and facility demand generated by communities located outside the Miners Rest-Mitchell Park small area

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Public Open Space (hectares)	5.0%	Ballarat Planning Scheme	Not available	Not available	Not available	Not available	Not available
Organised Sport Facility & Participation Estimates							
Indoor and outdoor recreation facilities							
Indoor recreation centres / courts	10,000	Total population per court	0.4	0.5	0.5	0.6	0.6
Active open space	1.50	Hectares of active open space per 1,000 people	4.3	4.7	5.2	5.6	6.1
Council aquatic / leisure centre memberships	3.4%	% of Population who are members of a Council aquatic / leisure centre	146	161	176	192	208
Council aquatic / leisure centres	60,000	Total population per facility	0.1	0.1	0.1	0.1	0.1
Outdoor Sports							
Cricket ovals	4,500	Total population per playing field	1.0	1.1	1.2	1.3	1.4
Football ovals	4,500	Total population per playing field	1.0	1.1	1.2	1.3	1.4
Lawn bowls	10,000	Total population per green	0.4	0.5	0.5	0.6	0.6
Outdoor netball courts	3,500	Total population per court	1.2	1.4	1.5	1.6	1.7
Soccer fields	5,000	Total population per playing field	0.9	0.9	1.0	1.1	1.2
Tennis courts	2,000	Total population per court	2.1	2.4	2.6	2.8	3.1
Organised Sport Participation							
Participation in Sport & Leisure: People aged 15 and over							

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Total participating in organised sport	28.0%	% of people aged 15 + years and over participating in organised sporting activity	901	994	1100	1207	1311
Walking for exercise	24.3%	As above	782	863	955	1047	1138
Fitness/Gym	17.6%	As above	567	625	692	758	824
Cycling/BMXing	8.8%	As above	283	312	346	379	412
Jogging/Running	7.8%	As above	251	277	306	336	365
Swimming/Diving	7.7%	As above	248	273	303	332	361
Golf	4.6%	As above	148	163	181	198	215
Tennis (indoor and outdoor)	4.2%	As above	135	149	165	181	197
Netball (indoor and outdoor)	3.5%	As above	113	124	138	151	164
Basketball (indoor and outdoor)	3.2%	As above	103	114	126	138	150
Australian Rules football	2.0%	As above	64	71	79	86	94
Cricket (outdoor)	2.0%	As above	64	71	79	86	94
Soccer (outdoor)	1.9%	As above	61	67	75	82	89
Yoga	1.9%	As above	61	67	75	82	89
Bush walking	1.8%	As above	58	64	71	78	84
Lawn bowls	1.4%	As above	45	50	55	60	66
Martial arts	1.4%	As above	45	50	55	60	66
Dancing/Ballet	1.3%	As above	42	46	51	56	61
Fishing	0.9%	As above	29	32	35	39	42
Surf sports	0.6%	As above	19	21	24	26	28
Football sports	0.2%	As above	6	7	8	9	9

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Participation in Sport & Leisure: Children aged 5 to 14							
At least one organised sport	61%	% of people aged 5 to 14 years and over participating in organised sporting activity	410	471	504	532	567
Swimming and diving	19%	As above	131	151	162	171	182
Soccer (outdoor)	7%	As above	49	57	61	64	68
Australian Rules football	16%	As above	105	121	129	136	145
Netball	8%	As above	54	62	67	70	75
Basketball	14%	As above	94	108	116	122	130
Tennis	10%	As above	70	80	86	91	97
Martial arts	6%	As above	43	49	52	55	59
Gymnastics	5%	As above	37	42	45	48	51
Cricket (outdoor)	5%	As above	32	37	40	42	45
Rugby League	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Athletics, track and field	3%	% of people aged 5 to 14 years and over participating in organised sporting activity	23	26	28	30	32
Rugby Union	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Touch football	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Soccer (indoor)	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Hockey	1%	% of people aged 5 to 14 years and over participating in organised sporting activity	9	11	12	12	13
Other organised sports	9%	As above	60	69	74	78	83
Early Years Services							
Kindergartens							

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
% of 4 year olds participating in 4 year old Kindergarten	107%	% of all eligible children participating in 4 Year Old Subsidised Kindergarten	83	90	94	101	108
Total number of enrolments in 4 year old sessional Kindergarten	75%	% of participating children (see above) enrolled at a Sessional Kindergarten service	63	67	71	75	81
Number of Kindergarten rooms when proposed policy changes are implemented	66	Number of sessional Kindergarten rooms required if 1 Kindergarten room accommodates 66 enrolments per week	0.9	1.0	1	1	1
% of 3 year olds participating in 3-year-old Kindergarten	30%	% of all 3 year old children participating in 3 Kindergarten	26	25	26	28	30
Total number of enrolments in 3-year-old Kindergarten	100%	% of participating children (see above) enrolled at a Sessional Kindergarten service	26	25	26	28	30
Number of Kindergarten rooms when proposed policy changes are implemented	66	Number of sessional Kindergarten rooms required if 1 Kindergarten room accommodates 66 enrolments per week	0.4	0.4	0.4	0.4	0.5
Maternal & Child Health							
Number of MCH sessions per week	60	1 session per 60 children aged 0-3 years	5	5	6	6	7
Number of MCH consulting units	10	Number of MCH consulting units required based on number of sessions per week (see above)	0.5	0.5	1	1	1
Playgroup							
Number of 2 hr playgroup sessions per week	50	Total number of children aged 0-3 years required to generate demand for a 2 hour playgroup session per week	6	6	7	7	8
Early Childhood Intervention Services							
Number of early childhood intervention sites	60,000	Total population per facility	0.1	0.1	0	0	0

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Occasional Child Care							
Number of occasional child care places	4.4	Total number of licensed places per 1,000 children aged 0 to 4 years	2	2	2	2	2
Number of occasional child care centres	30	Total number of facilities required based on number of licensed places generated (see above)	0.1	0.1	0	0	0
Long Day Child Care Centres							
Number of Long Day Child Care places	255	Total number of licensed places per 1,000 children aged 0 to 4 years	101	104	101	101	101
Number of Long Day Child Care centres	120	Total number of facilities required based on number of licensed places generated (see above)	0.8	0.9	0.8	0.8	0.8
Community Centres, Meeting spaces, Neighbourhood Houses & Libraries							
Local multipurpose community centre	3,000	Number of dwellings per local facility	0.5	0.6	1	1	1
multipurpose community meeting space	30	Total number people per sqm of Council community meeting space	143	158	173	188	204
Neighbourhood Houses							
Number of Neighbourhood Houses	35,000	Population (approximate) per facility	0.1	0.1	0	0	0
Libraries							
Number of library loans annum	6.6	Total loans per person	28,334	31,258	34247	37264	40333
Number of library visits per annum	4.9	Total visits per person	21,036	23,206	25426	27665	29944
Number of library facilities	35,000	Number of people per library facility	0.1	0.1	0.1	0.2	0.2
Education Enrolment & Facility Estimates							

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Primary Schools							
Govt Primary Enrolment	56.8%	% of 5-11 year old population	290	327	344	363	388
Catholic Primary Enrolment	26.1%	% of 5-11 year old population	133	150	158	167	178
Non Govt Primary Enrolment	10.4%	% of 5-11 year old population	53	60	63	67	71
Total Primary Enrolment	93.4%	% of 5-11 year old population	477	538	566	598	638
Govt Primary School	3,000	Total number of dwellings per facility	0.5	0.6	1	1	1
Catholic Primary School	5,000	Total number of dwellings per facility	0.3	0.4	0	0	0
Govt Specialist School	60,000	Total population per facility	0.1	0.1	0	0	0
Secondary Schools							
Govt Secondary Enrolment	38.0%	% of 12-17 year old population	122	141	163	174	184
Catholic Secondary Enrolment	30.1%	% of 12-17 year old population	96	112	129	138	146
Non Gov Secondary Enrolment	19.0%	% of 12-17 year old population	61	71	82	87	92
Total Secondary Enrolment	87.1%	% of 12-17 year old population	279	324	375	400	422
Catholic Secondary School	15,000	Total number of dwellings per facility	0.1	0.1	0	0	0
Govt Secondary School	9,000	Total number of dwellings per facility	0.2	0.2	0.2	0.2	0.3
TAFE							
TAFE Full-Time Enrolment (15 to 24)	2.2%	% of 15-24 year old population	11	12	14	15	16
TAFE Full-Time Enrolment (25+)	0.3%	% 25 + year old population	7	8	9	10	11
TAFE Part-Time Enrolment (15 to 24)	2.6%	% of 15-24 year old population	13	14	16	18	19
TAFE Part-Time Enrolment (25+)	0.8%	% 25 + year old population	22	24	26	29	32
Universities							
University Full-Time Enrolment (15 to 24)	19.1%	% of 15-24 year old population	97	104	117	130	138

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
University Full-Time Enrolment (25+)	1.4%	% 25 + year old population	37	41	45	50	54
University Part-Time Enrolment (25 to 24)	2.1%	% of 15-24 year old population	11	11	13	14	15
University Part-Time Enrolment (25+)	1.7%	% 25 + year old population	45	50	55	61	66
Justice & Emergency Services							
Number of CFA sites	Not available	Not available					
Number of Ambulance sites	Not available	Not available					
Number of SES sites	Not available	Not available					
Number of Police station sites	Not available	Not available					
Law Courts							
Number of Courtrooms	30,000	Total population per Courtroom	0.1	0.2	0.2	0.2	0.2
Number of Law Court Facilities	400,000	Total population per Law Court Facility	0.00	0.00	0.0	0.0	0.0
Primary & Acute Health Services							
Number of public and private hospital beds	3.6	Number of public and private beds per 1,000 people (Australian hospital statistics 2012–13)	15	17	19	20	22
Number of public hospital beds	2.4	Number of public beds per 1,000 people (Australian hospital statistics 2012–13)	10	11	12	14	15
General practices	0.50	GP clinics per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	2	2	3	3	3
Dental services	0.20	Dental services per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	1	1	1	1	1

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Pharmacies	0.20	Pharmacies per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	1	1	1	1	1
Projected hospital admissions	447.4	Admissions per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	1,921	2,119	2,322	2,526	2,734
Emergency presentations	411.6	Presentations per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	1,767	1,949	2,136	2,324	2,515
Drug & alcohol clients	6.3	Clients per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	27	30	33	36	38
Mental health clients	17.1	Clients per 1,000 people. Department of Health & Human Services Modelling, GIS and Planning Products Unit, 2011	73	81	89	97	104
Aged Care & HACC							
Aged Care							
Number of residential aged care beds	80	Number of beds per 1000 people aged 70 years +	17	21	27	32	37
Number of Community Aged Care Packages	45	Number of Community Aged Care Packages per 1000 people aged 70 years +	9	12	15	18	21
HACC Services							
All HACC services for those aged 0 to 69 years	127	Number of HACC clients aged 0-69 years per 1,000 people	27	34	43	51	58
All HACC services for those aged 70 + years	395	Number of HACC clients aged 70+ years per 1,000 people	83	106	133	158	182

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Year				
			2016	2021	2026	2031	2036
Total HACC clients			110	140	175	209	241

Appendix 2 – Community Infrastructure Audit Maps

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Figure 10 - Kindergartens & Maternal & Child Health Centres

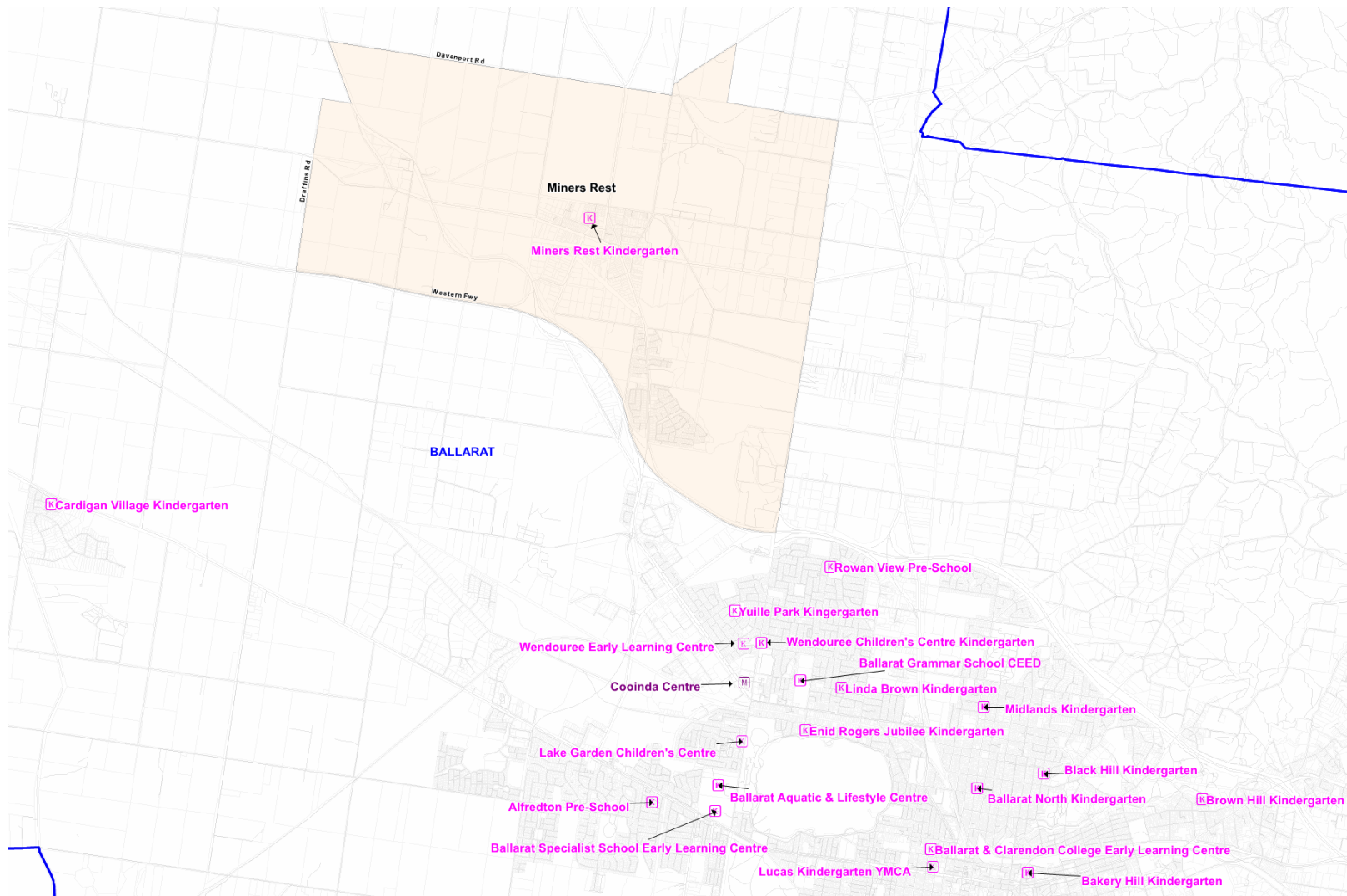


Figure 11 - Library, Arts & Cultural Facilities

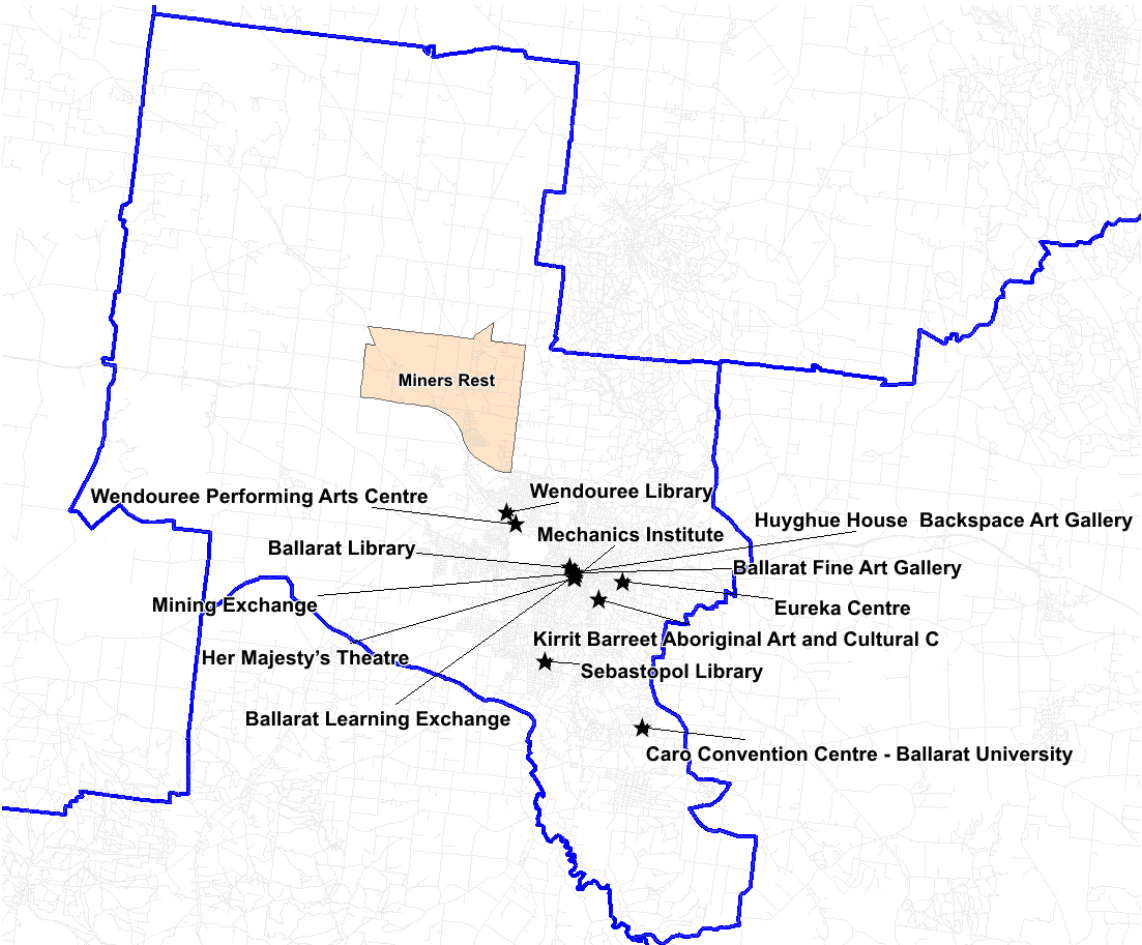


Figure 12 - Education Facilities

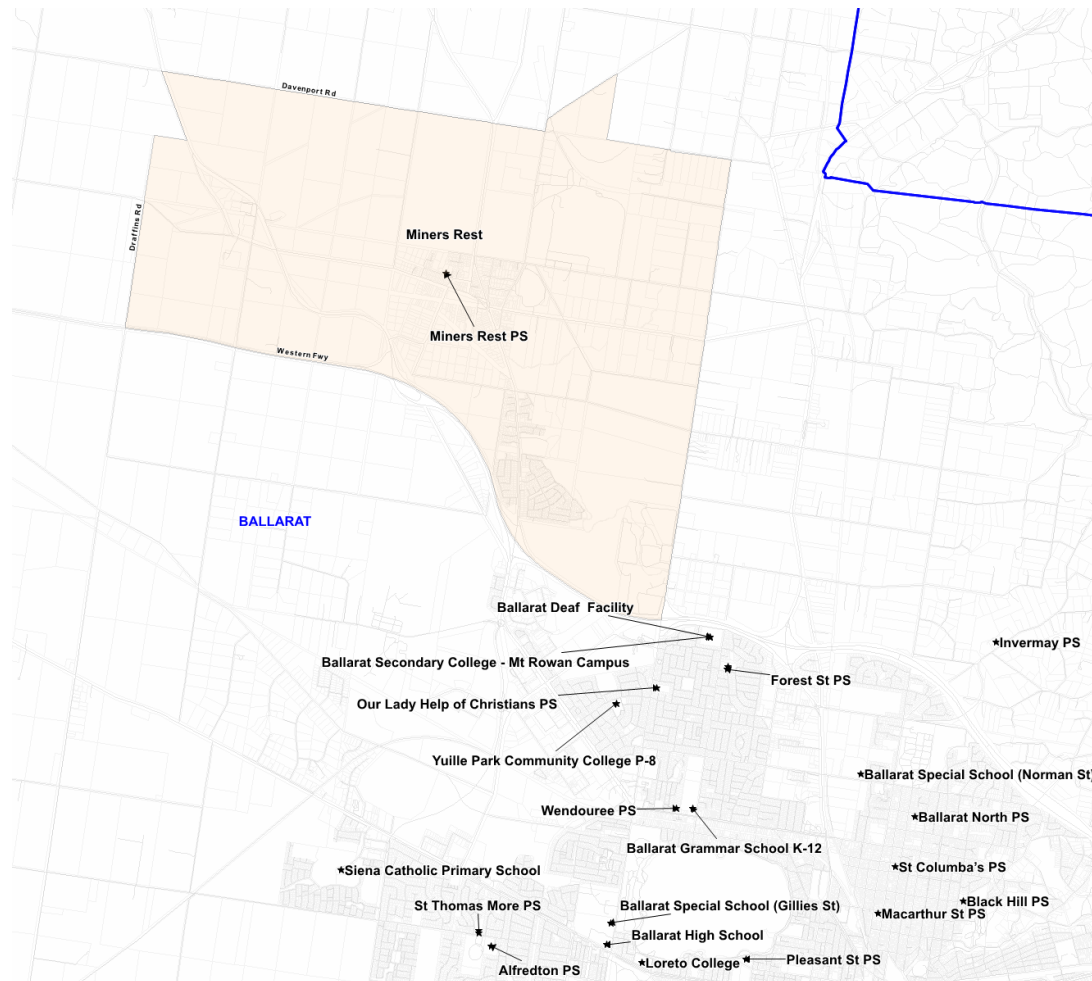


Figure 13 - Higher Education Facilities

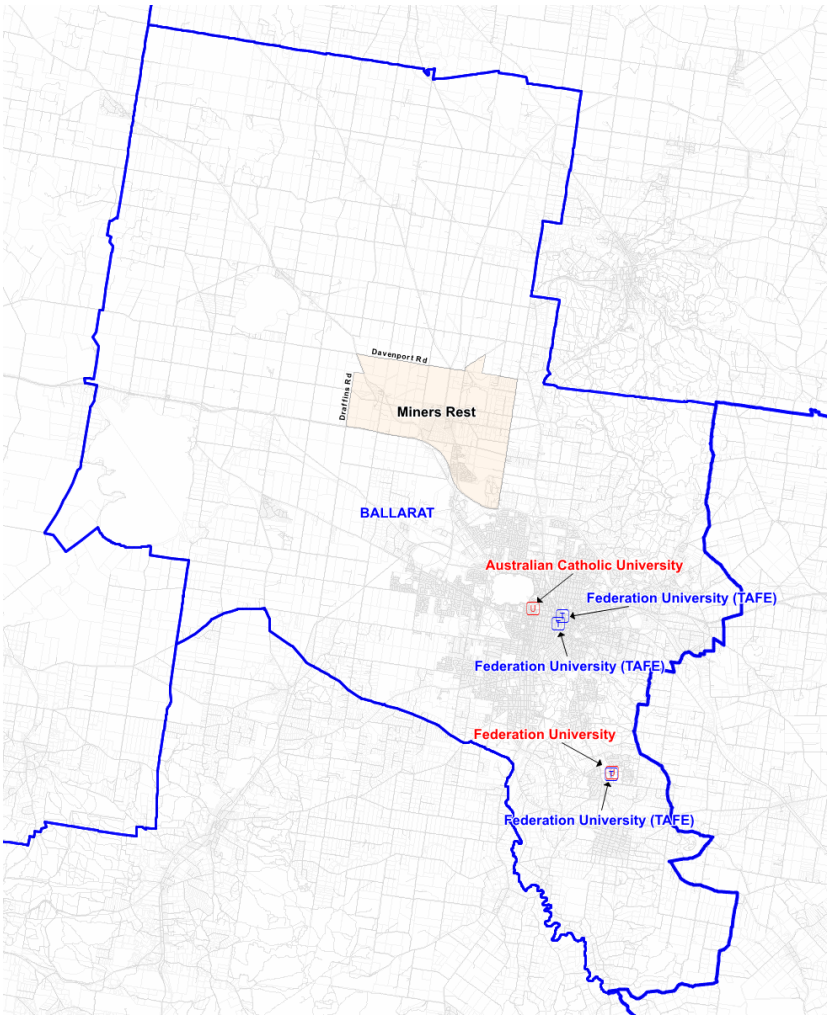
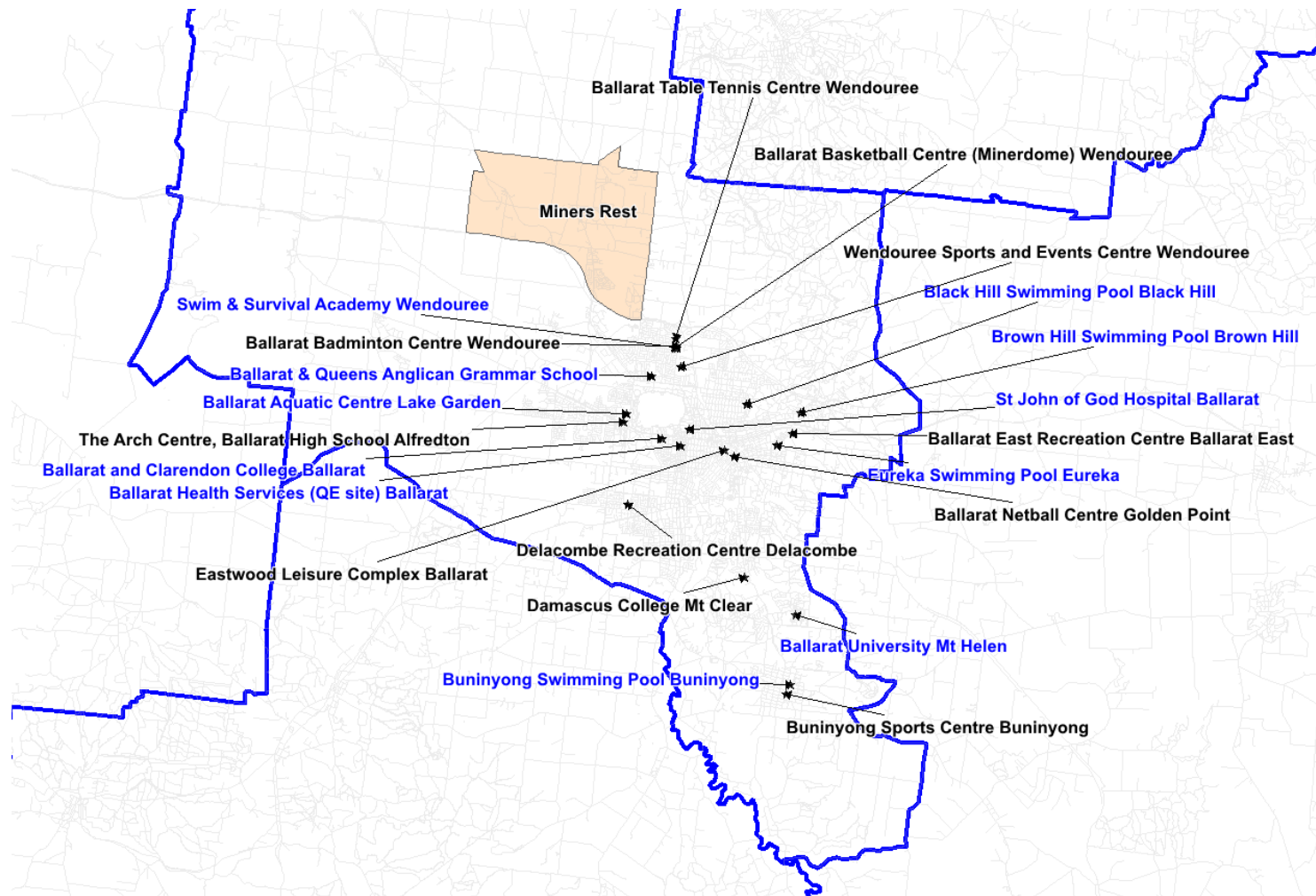


Figure 14 - Indoor Recreation & Aquatic Facilities



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Figure 15 - Recreation Facilities

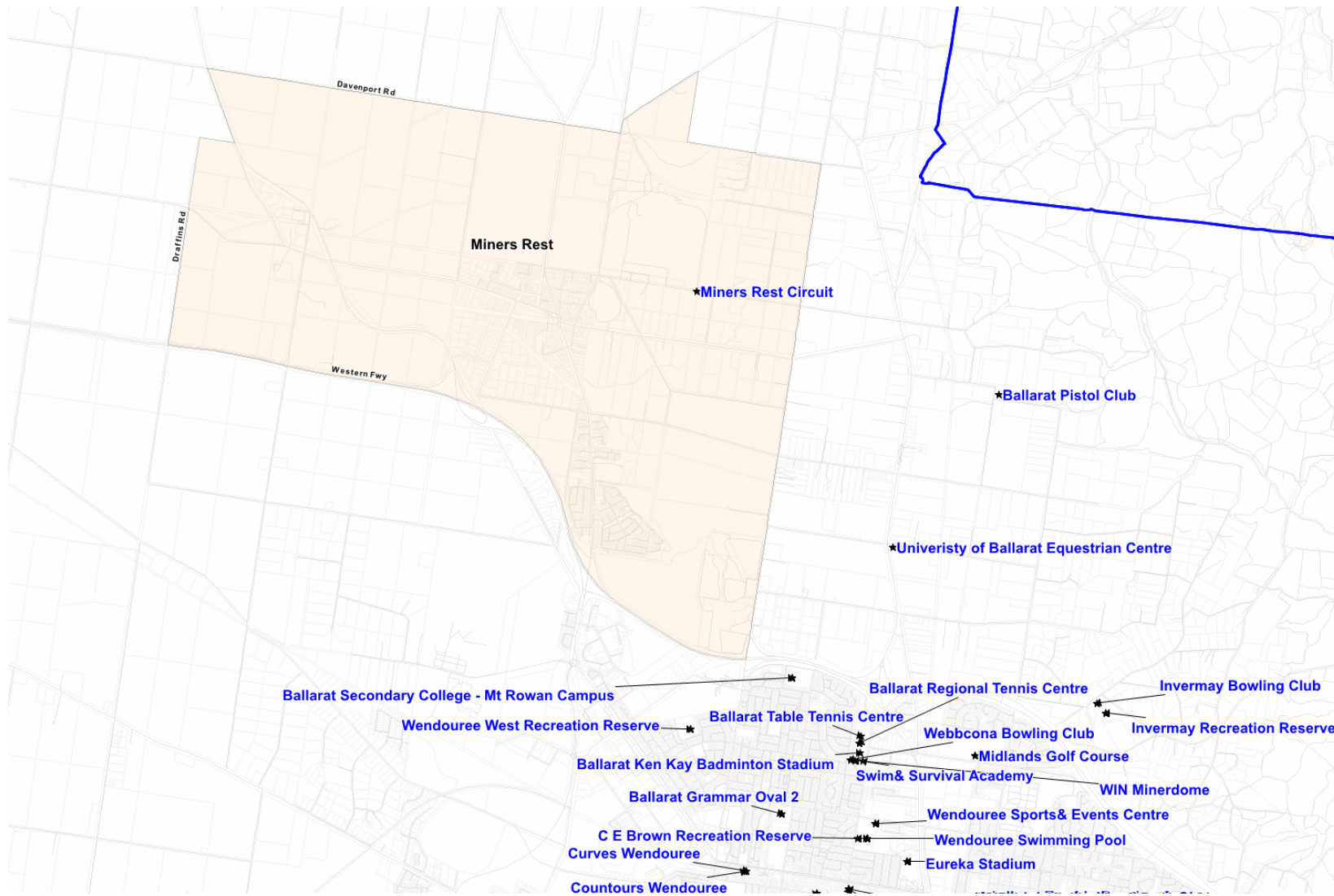


Figure 16 - Residential Aged Care & Facilities for Older Persons

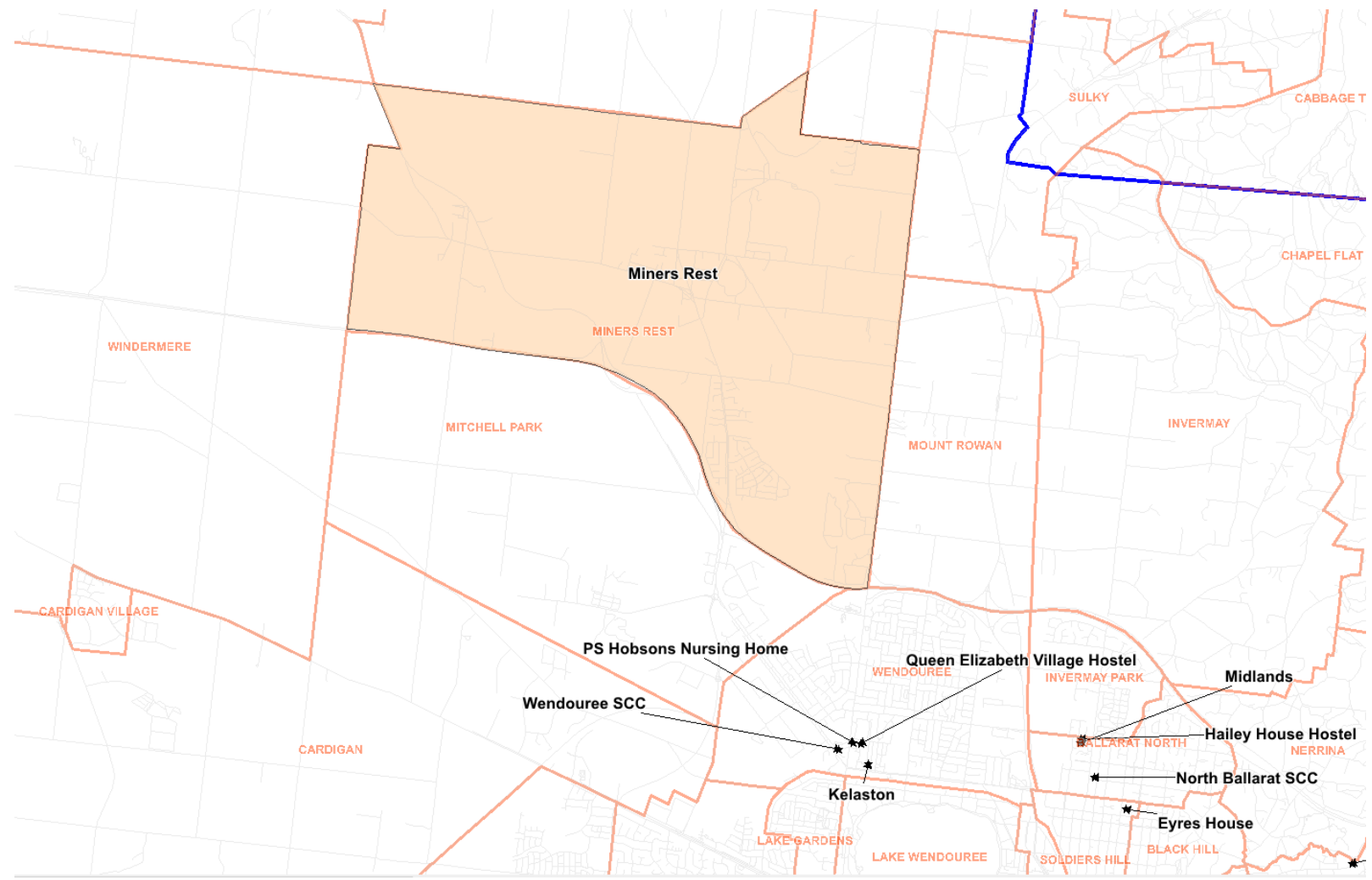


Figure 17 - Ballarat Community Halls

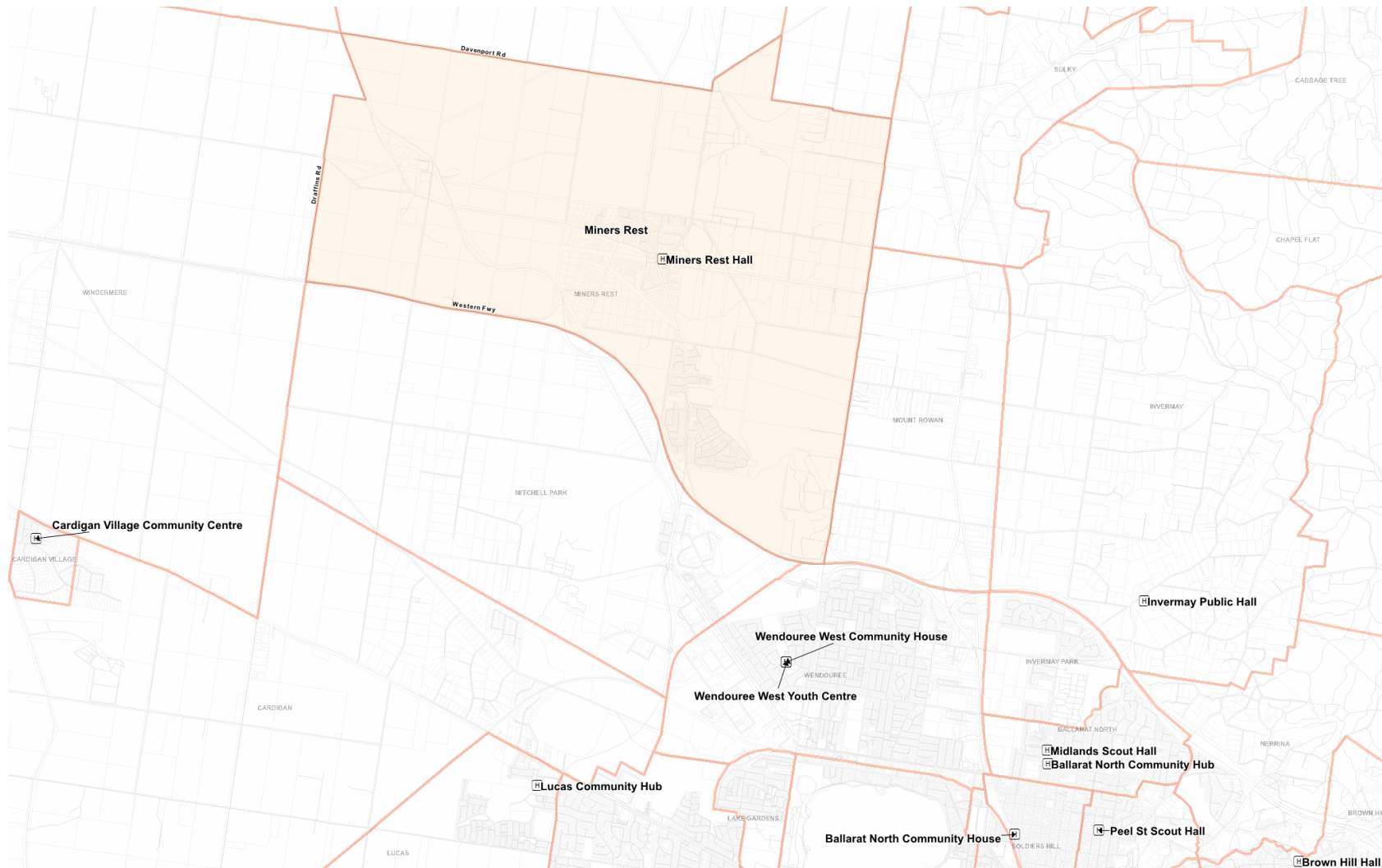


Figure 18 - Primary & Acute Health Services

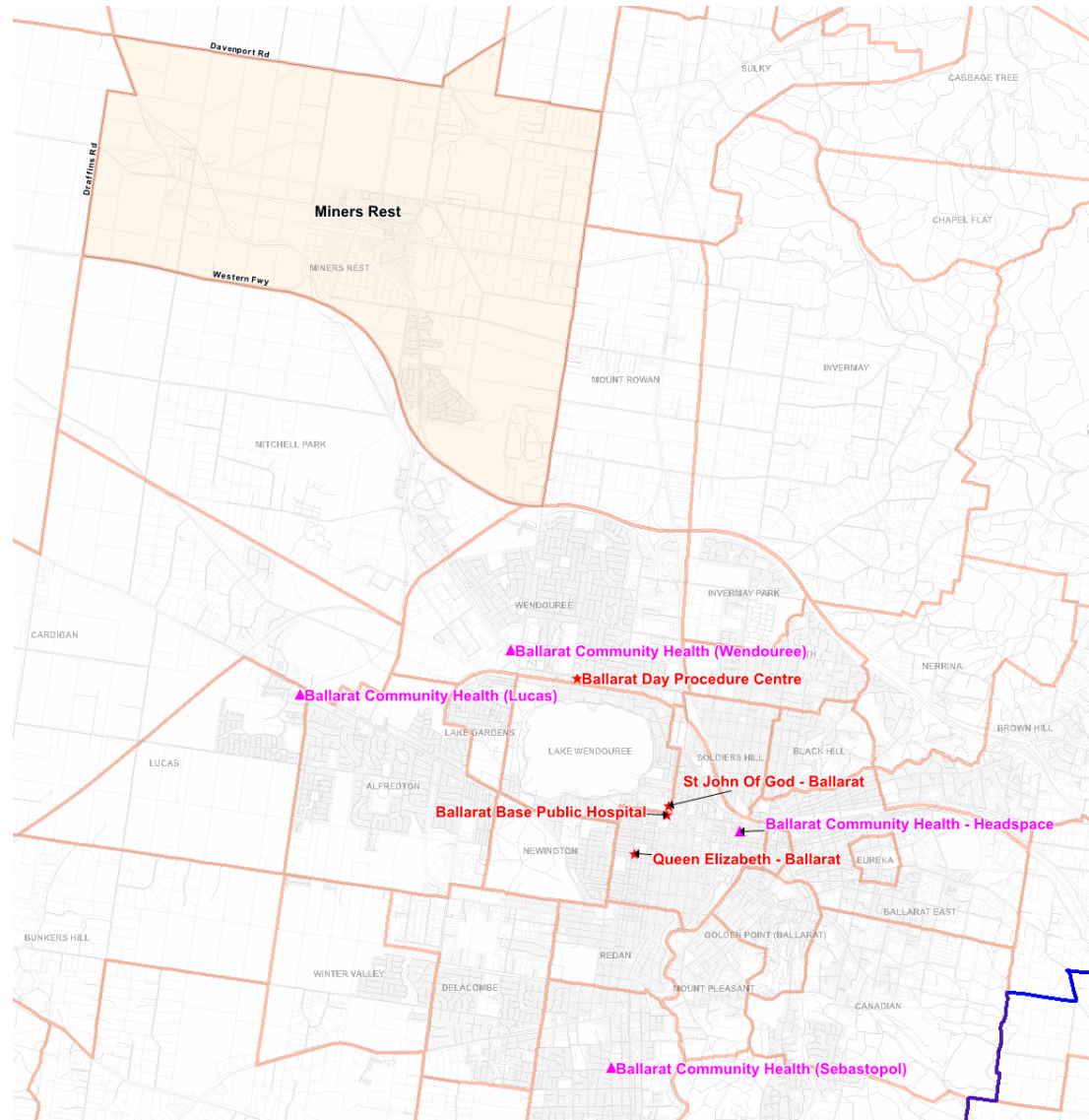


Figure 19 - Police & Emergency Services

