

Barooga Town Concept Plan

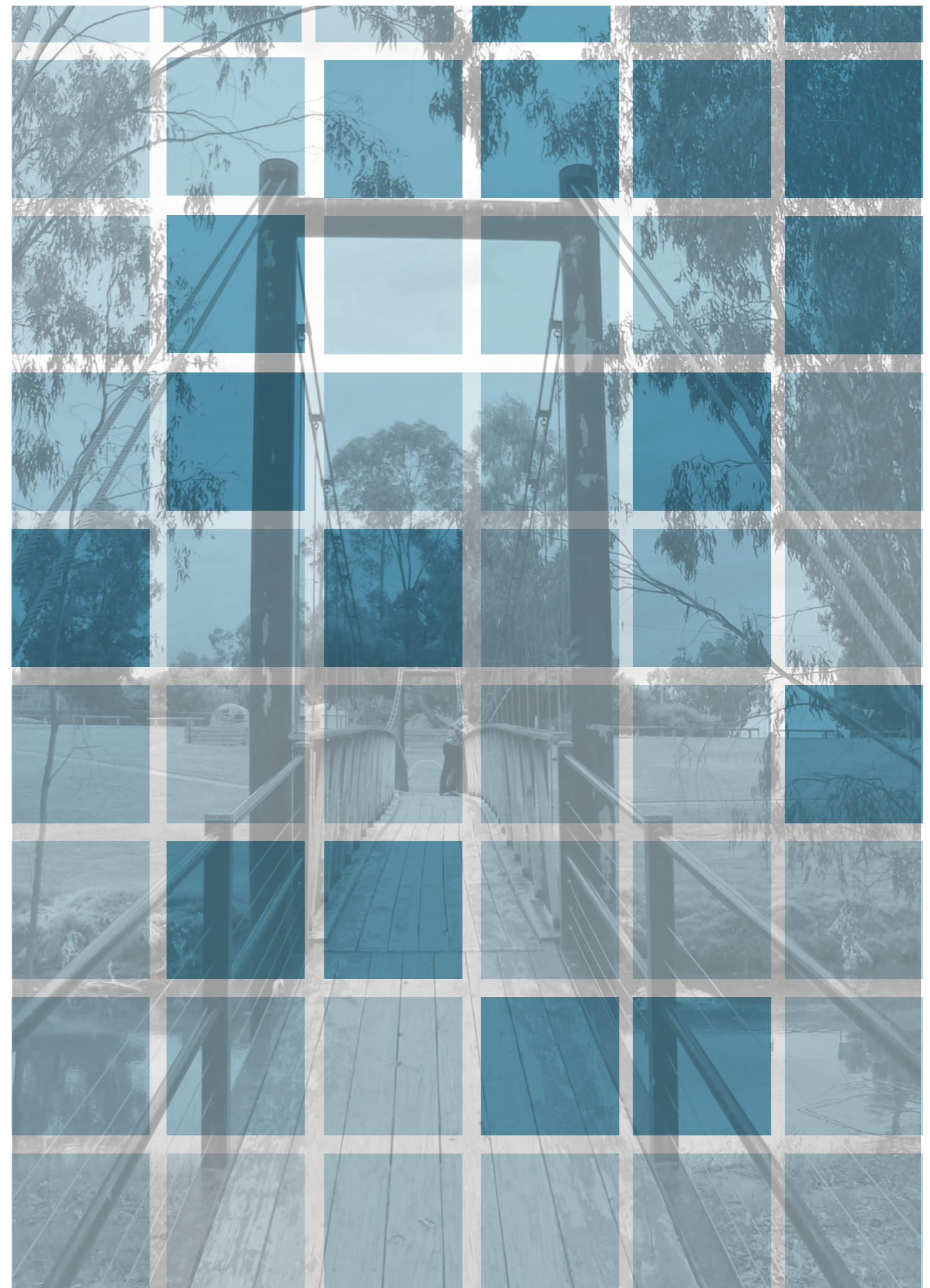
Final Draft February 2018

Appendix Document

for Berrigan Shire Council
Liesl Malan Landscape Architects

The following documents have been provided in electronic format in the Appendix accompanying the Barooga Town Concept Plan Report

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What do you value about Barooga?

Survey Results

An online survey was created to help position the five prioritised projects. An advertising campaign was undertaken including handing out flyers at the first community event and other community events, copies available at council offices and Facebook posts. Paper copies were also made available to the community. Despite the advertising there were only 13 responses to the survey. The results have been included here for completeness, however the results cannot be considered to represent the whole community.

Who Responded?

Gender	
Male	5
Female	5

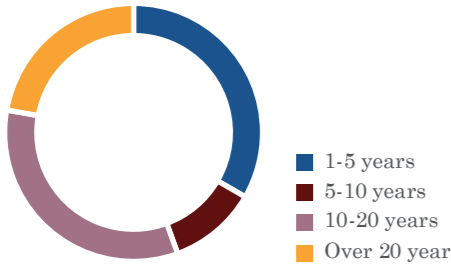
Age Group	
0-18	0
18-25	0
25-40	0
40-60	5
60+	5

Current employment status	
Employed	6
Not Employed	0
Retired	3
Other	1

Employment industry	
Telecommunications	
Hospitality	
Small business	

How close do you live to the Barooga post office?	
Less than 1km	4
Less than 5kms	4
Between 5 and 100kms	2
Over 100kms	0

How long have you lived in Barooga?



LM·LA

How long have you lived in Barooga ?

1-5 years	3
5-10 years	1
10-20 year	3
Over 20 years	2

Barooga Facilities

Barooga has:	
Primary School	
Library	
Cricket Club	
Supermarket	
AFL Team	
Hall/ Community building	
Oval	
Kindergarten	
Golf Course	

Wish Barooga had:	
Doctor	

Sad If Barooga Lost:	
Primary School	
Library	
Supermarket	
Golf Course	
Oval	

Barooga Values

Natural Environment	
I value the Natural Environment in Barooga	
Strongly agree	8
Agree	2
Neither disagree or agree	0
Disagree	0
Strongly disagree	0

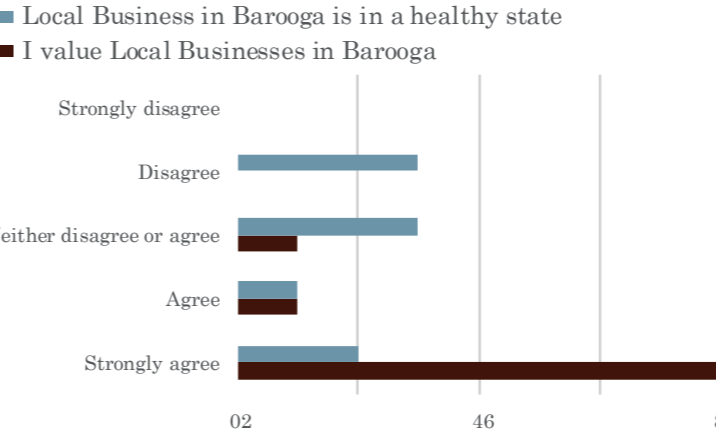
The Natural Environment in Barooga is in a healthy state	
Strongly agree	1
Agree	6
Neither disagree or agree	2
Disagree	0
Strongly disagree	0

It's been a tough year with floods but I think the bush is recovering.
There is a need for more natural environment for tourists to enjoy.
Clean up flood debris. Sell wood for winter fires
Going along well but more can be done

Local Business	
I value Local Businesses in Barooga	
Strongly agree	8
Agree	1
Neither disagree or agree	1
Disagree	0
Strongly disagree	0

Local Business in Barooga is in a healthy state	
Strongly agree	2
Agree	1
Neither disagree or agree	3
Disagree	3
Strongly disagree	0

I think local businesses have to compete with Cobram which is natural but as locals we could support our locals more.
Some are doing well some are struggling . Local residents need to shop and have faith in what we offer.
Certainly can be improved upon though



Agriculture	
I value the Agricultural industry in Barooga	
Strongly agree	5
Agree	3
Neither disagree or agree	1
Disagree	0
Storngly disagree	0

The Agricultural industry in Barooga is in a healthy state	
Strongly agree	0
Agree	4
Neither disagree or agree	4
Disagree	1
Strongly disagree	0

Not sure what the agricultural industry in Barooga is

Community	
I value the Community in Barooga	
Strongly agree	6
Agree	4
Neither disagree or agree	0
Disagree	0
Storngly disagree	0
The Barooga Community is in a healthy state	
Strongly agree	2
Agree	4
Neither disagree or agree	2
Disagree	1
Storngly disagree	0

BAG has been strong. I lived in Cobram and always felt Barooga residents were progressive. BAG May need extra support at present though.
I feel the Barooga Community can at times be very apathetic and only care when it directly effects themselves.
Clean up main streets, empty land

Services	
I value the Services in Barooga	
Strongly agree	3
Agree	4
Neither disagree or agree	2
Disagree	1
Storngly disagree	0

Services in Barooga are in a healthy state

Strongly agree 0
Agree 3
Neither disagree or agree 3
Disagree 4
Strongly disagree 0

*The local services, although limited do seem well supported.
I value what we have but I would love to see more services
If you live down Quicks road and Murray Grove you have very old internet connection or no internet service at all! There is no recycling service down here either in this day and age and we have to pay independent company to pick up our rubbish.*

Sport
I value sport in Barooga

Strongly agree 7
Agree 2
Neither disagree or agree 1
Disagree 0
Strongly disagree 0

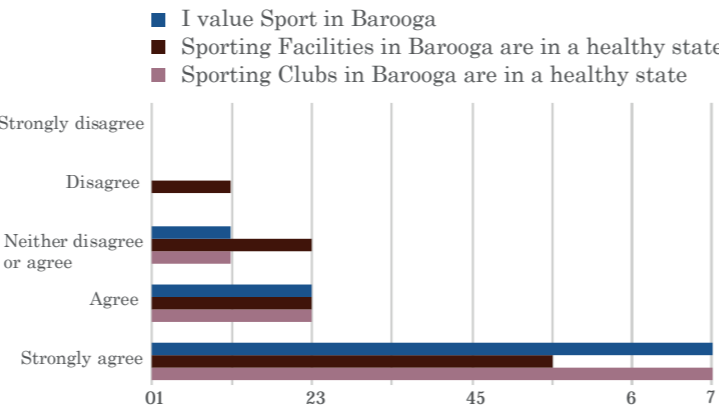
Sporting Clubs in Barooga are in a healthy state

Strongly agree 5
Agree 2
Neither disagree or agree 2
Disagree 1
Storngly disagree 0

Sporting Facilities in Barooga are in a healthy state

Strongly agree 7
Agree 2
Neither disagree or agree 1
Disagree 0
Strongly disagree 0

*Our facilities for a town this size are amazing but I think the clubs, especially Sporties/Golf Club Directors work very hard to provide these in difficult times.
Excellent sporting facilities , the best possibly available !
Can’t do without them
Always well maintained and look lovely*



Arts & Culture
I value Arts & Culture in Barooga

Strongly agree 1
Agree 4
Neither disagree or agree 5
Disagree 0
Strongly disagree 0

Arts & Culture in Barooga is in a healthy state

Strongly agree 1
Agree 0
Neither disagree or agree 6
Disagree 3
Storngly disagree 0

*Not aware of any Arts or culture groups specific to Barooga.
Need to more work put into arts and culture
We have a strong arts club
Not sure where all this is*

- Barooga’s Values**
1. Natural Environment
 2. Local Business
 3. Sport
 4. Community
 5. Agriculture
 6. Services
 7. Arts & Culture

- Barooga’s Healthiest Sectors**
1. Sport
 2. Community
 3. Local Business
 4. Natural Environment
 5. Agriculture
 6. Services
 7. Arts & Culture

What would improve the Barooga town entry?

*A fitting sculpture

I believe the entry to Barooga from Victoria is excellent. Would be great to beautify the area along the road from the River but I wouldn’t think that possible- maybe a park area for tourists ??? Entering from Berrigan is a bit tired but always kept neat and tidy.*

*Clearing the dead wood from each side of the southern entry.

Tree lined entry , better signage , improve the Lions Park , make the medium strip in the main street unbroken , no turning ! Roundabout at the end of the Bullanginya Lagoon to slow down traffic !*

*Focus on the bridges and clear rubbish

A map of the town with all that’s available*

A main street without the service centre in the middle of town. facilities on both sides of the street.

Tell us what you would love to see in Barooga

*More shops

Would love to see a doctor in Barooga

Most towns where tourism booms have a water / lake area but no ideas where or how this could be achieved.

A GP would be a huge addition

Development of the Main Street. Too many eyesores that should be developed which is holding the town back

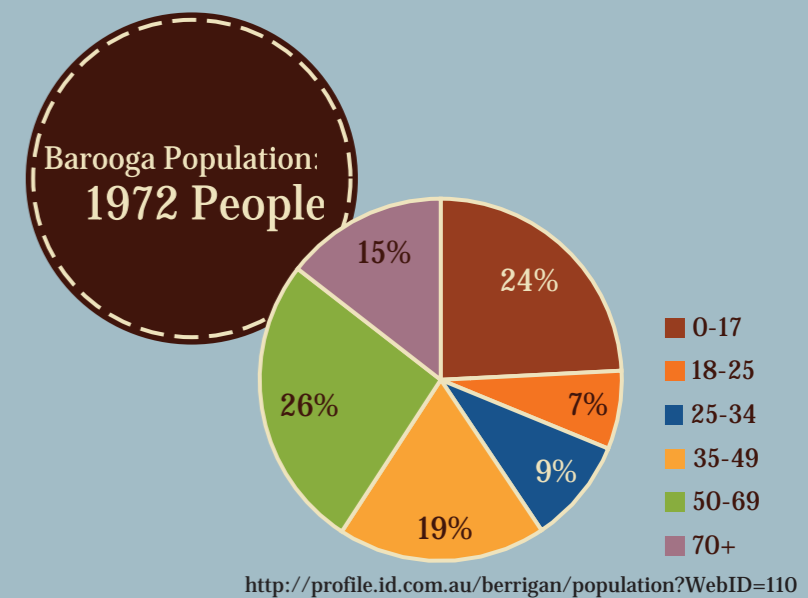
Splash Park for families , doctor , improved main street scape (get rid of old ugly buildings)

More parking in shopping strip

Main street improved. Signage for tourists.

A after school and holiday care for children older than 10. Toilets closer to the post office and if express shop.

Develop a village feel.*



What do you value about Barooga?

Survey results - 20/02/17

What do you value most in Barooga?

1. Natural Environment
2. Local Business
3. Sport
4. Community
5. Agriculture
6. Services
7. Arts & Culture

What do you think is the healthiest in Barooga?

1. Sport
2. Community
3. Local Business
4. Natural Environment
5. Agriculture
6. Services
7. Arts & Culture

What would you be sad if you lost in Barooga?

Primary School
Supermarket
Oval

Library
Golf Course

Legend:



LMLA

Draft

Project:

Barooga Town Concept Plan

Project number:

1702

Sheet name:

Analysis & Investigation Plan

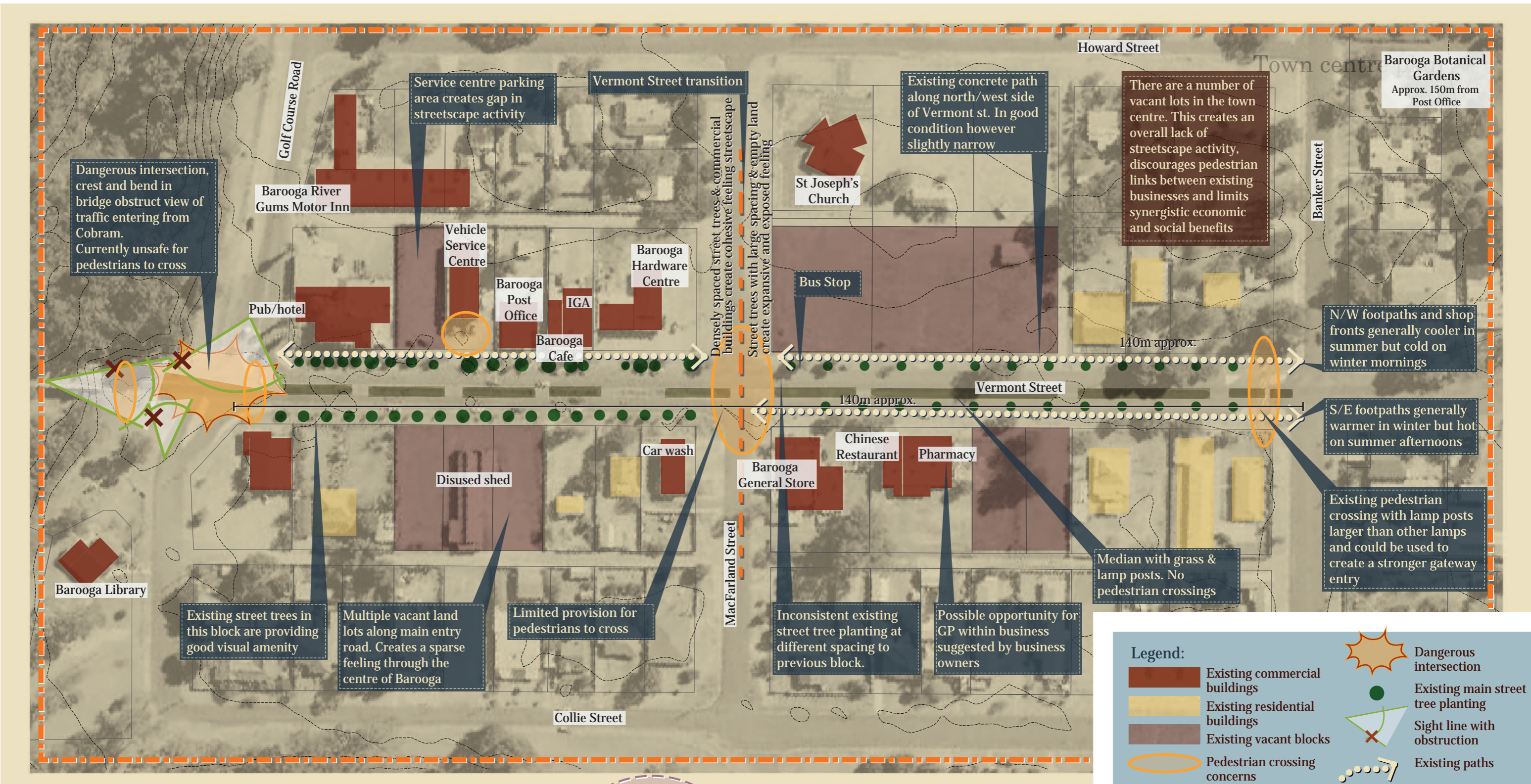
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Date: 08/03/17



PO Box 78 Harcourt Victoria 3453
Phone 03 5442 2253 Mobile 0427 132 601
lm@lmla.com.au www.lmla.com.au



Hopes & Dreams for Barooga: What do you value about Barooga? Survey results - 20/02/17



LMLA

Draft

Project: Barooga Town Concept Plan

Project number: 1702

Sheet name: Town Centre Analysis & Investigation Plan

Scale: 1: 1,500@ A3

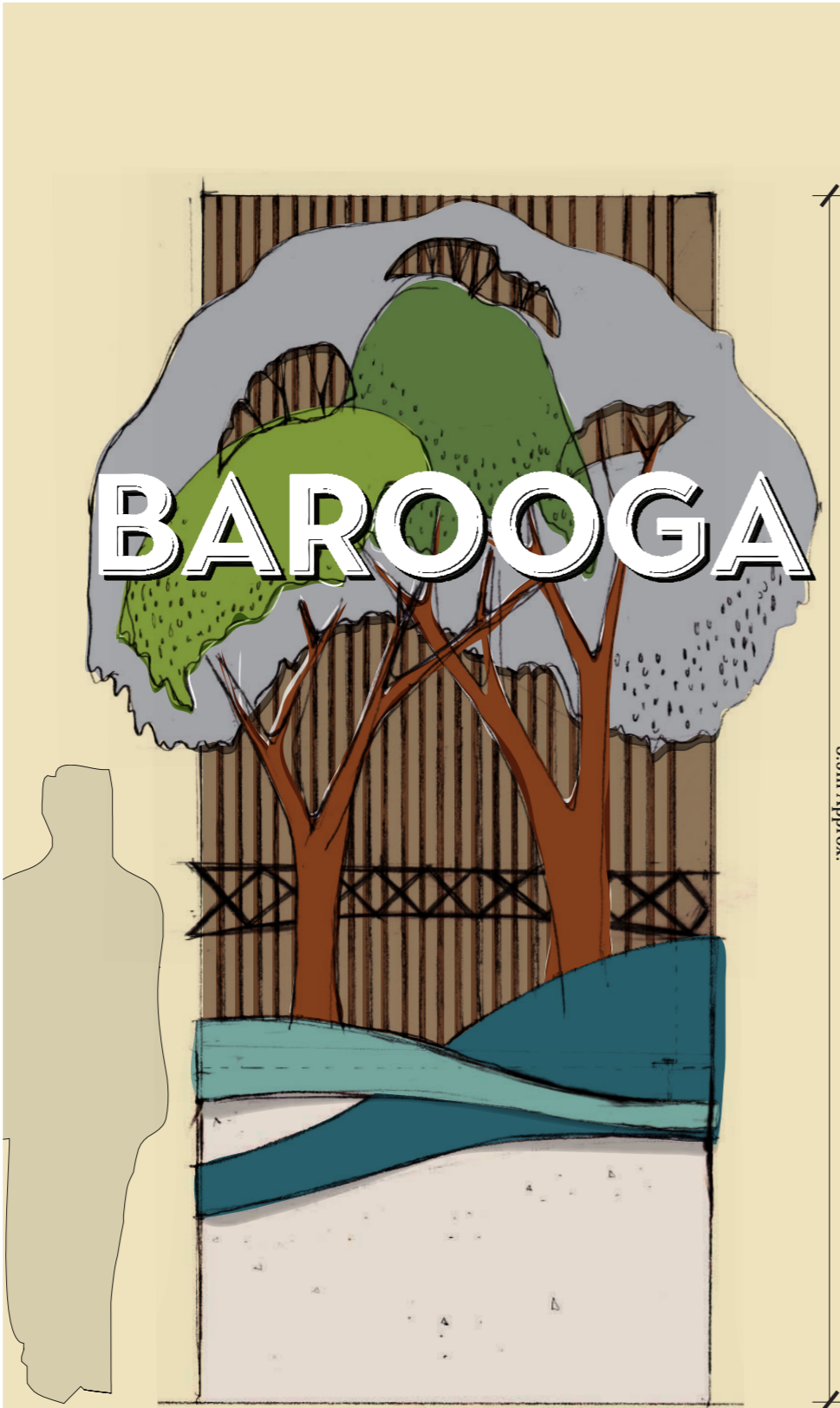
Date: 08/03/17

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Welcome to our town - Appendix


Town Entry Signage Progression

Option A
Presented at Community Street Stall - 16/03/2017




Option A: Materials include off-white concrete base, upright timber with laser cut tree canopies, trunks, bridge and water panels in galvanised steel, mild steel and steel with two-pack paint finish. Water form creates 3D shape extending from concrete base. Lettering laser cut and finished in reflective paint.


Precedent Examples & Design Images




LMLA Pretty Pine sign with foliage texture laser cut in galvanised steel




LMLA Undera entry sign with curved steel forms




Barooga swing bridge, criss cross form over the water of the Bullanginya Lagoon




Freya Blackwood watercolour tree form and colour references




Armsign timber entry sign incorporating reflective lettering and colour elements



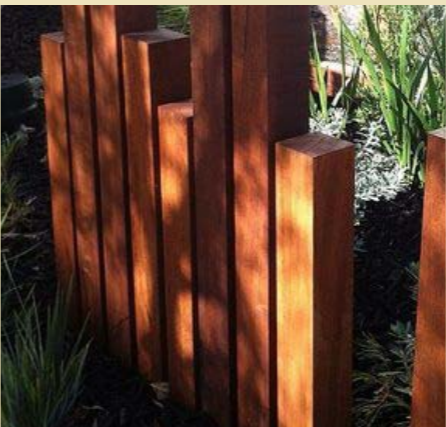
Vertical timber spaced to create shadow lines



Cobram - Barooga bridge, criss cross form in supports



Timber & concrete/stone




Vertical Red Gum timber spaced to create shadow lines

LMLA

Project: Barooga Town Concept Plan
Project number: 1702
Sheet name: Town Entry Signage Option A
Scale: 1:15 @ A3

Date: 08/03/17



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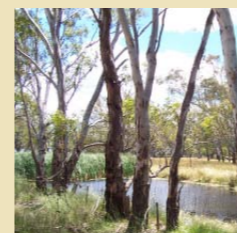
Precedent Examples & Design Images



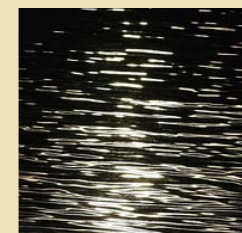
LMLA Wanganella entry sign. Laser cut mild steel and reflective lettering



City of Dublin sign, frame form with laser cut shamrocks



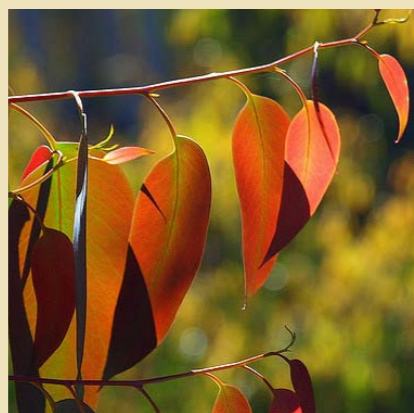
Eucalyptus trees on waters edge



Light reflecting on water



Margaret Preston artwork. Tree form and water ripple



Copper tones in new growth on Eucalyptus leaves

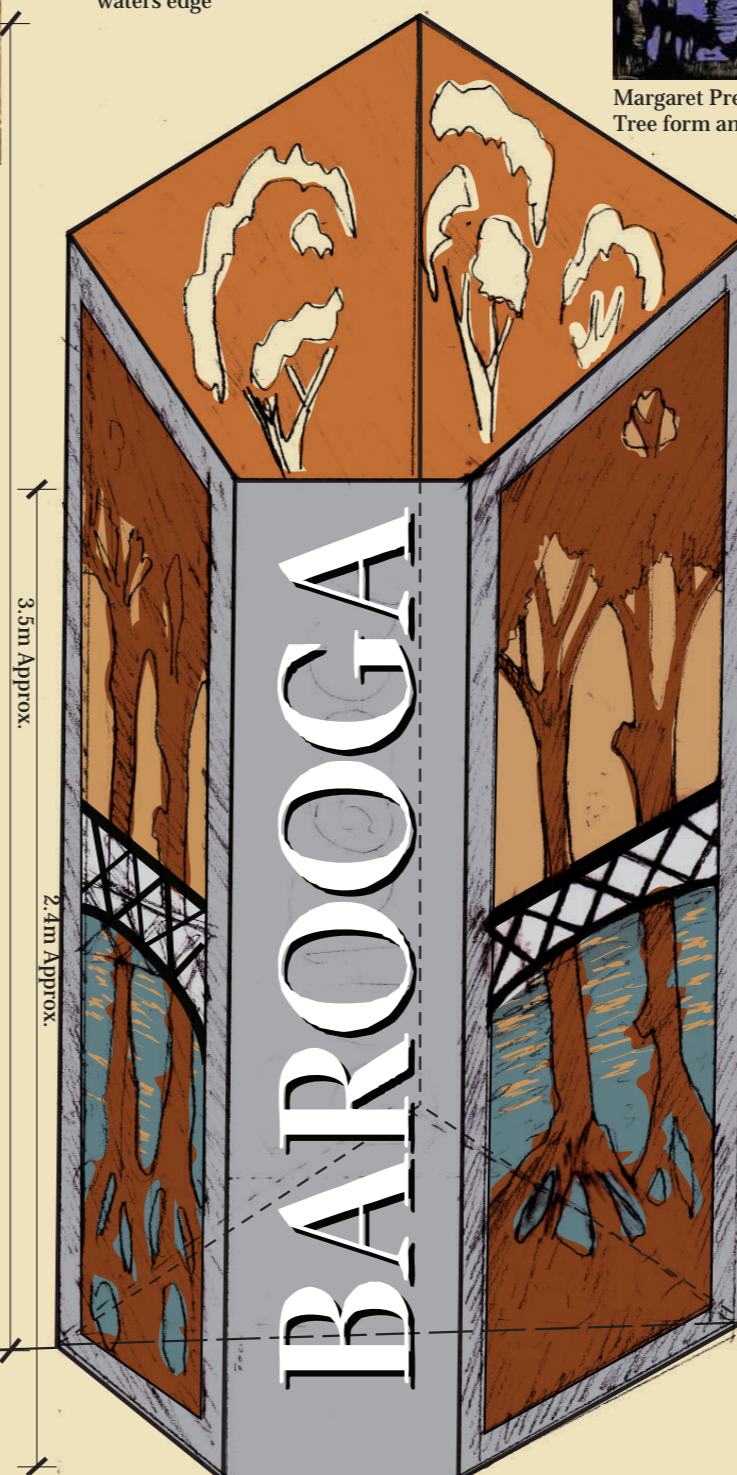


Laser cut copper



Cobram - Barooga Bridge, crisscross form in supports

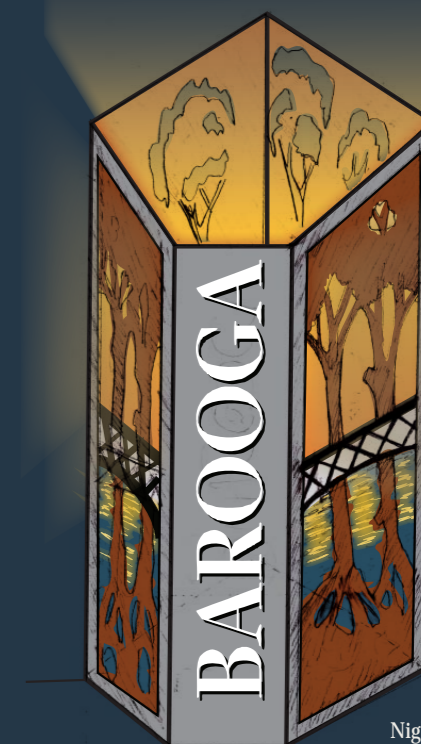
Option B : Materials include laser cut 5 sided form with frame and copper finish inside. Laser cut mild steel tree and tree reflection panels, vinyl print bridge and laser cut water panels with ripples in two-pack paint finish. Lettering laser cut and finished in reflective paint



Copper form lit from within



Laser cut cylinder bollard



Night View - 1:20

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Project:
Project number:
Sheet name:
Scale: 1:15 @ A3

Barooga Town Concept Plan
1702
Town Entry Signage Option B
Date: 08/03/17



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Option C1: Incorporates patterns of local sporting balls into the concrete finish as an bevel indent

Option C2: Incorporates patterns and shapes of local sporting balls into the concrete finish as an bevel indent. Also include sporting figures in a laser cut lace in mild steel.

Bevelled concrete patten

Patterns of local sport balls

Mild steel lace figures

Bevelled concrete patten

Cobram-Barooga golf course

Sun and sport

Circular sun rays

Sun and sport

Retro sun rays

Motion lines of balls

LMLA Pretty Pine sign with mild steel cap to top. Black laser cut letters

Circular sun rays

Sun and sport

Retro sun rays

Motion lines of balls

Option C:
Materials include off-white, concrete wall with steel, laser cut sun/ball circles with two-pack paint finish suspended by laser cut rays/ motion lines and black frame. Lettering laser cut and finished in black paint with reflective drop shadow. Concrete wall with rolled, mild steel cap to finish. Steel with two-pack finish, painted green and blue at base reflect sports grounds on the river.

Option C:
Materials include off-white, concrete wall with steel, laser cut sun/ball circles with two-pack paint finish suspended by laser cut rays/ motion lines and black frame. Lettering laser cut and finished in black paint with reflective drop shadow. Concrete wall with rolled, mild steel cap to finish. Steel with two-pack finish, painted green and blue at base reflect sports grounds on the river.

LMLA

Draft

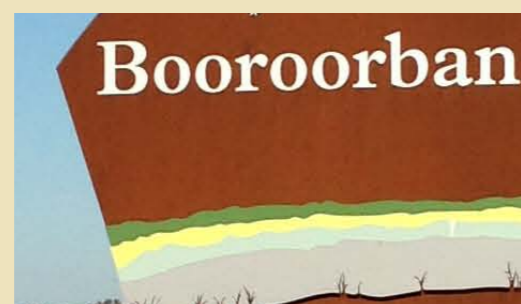
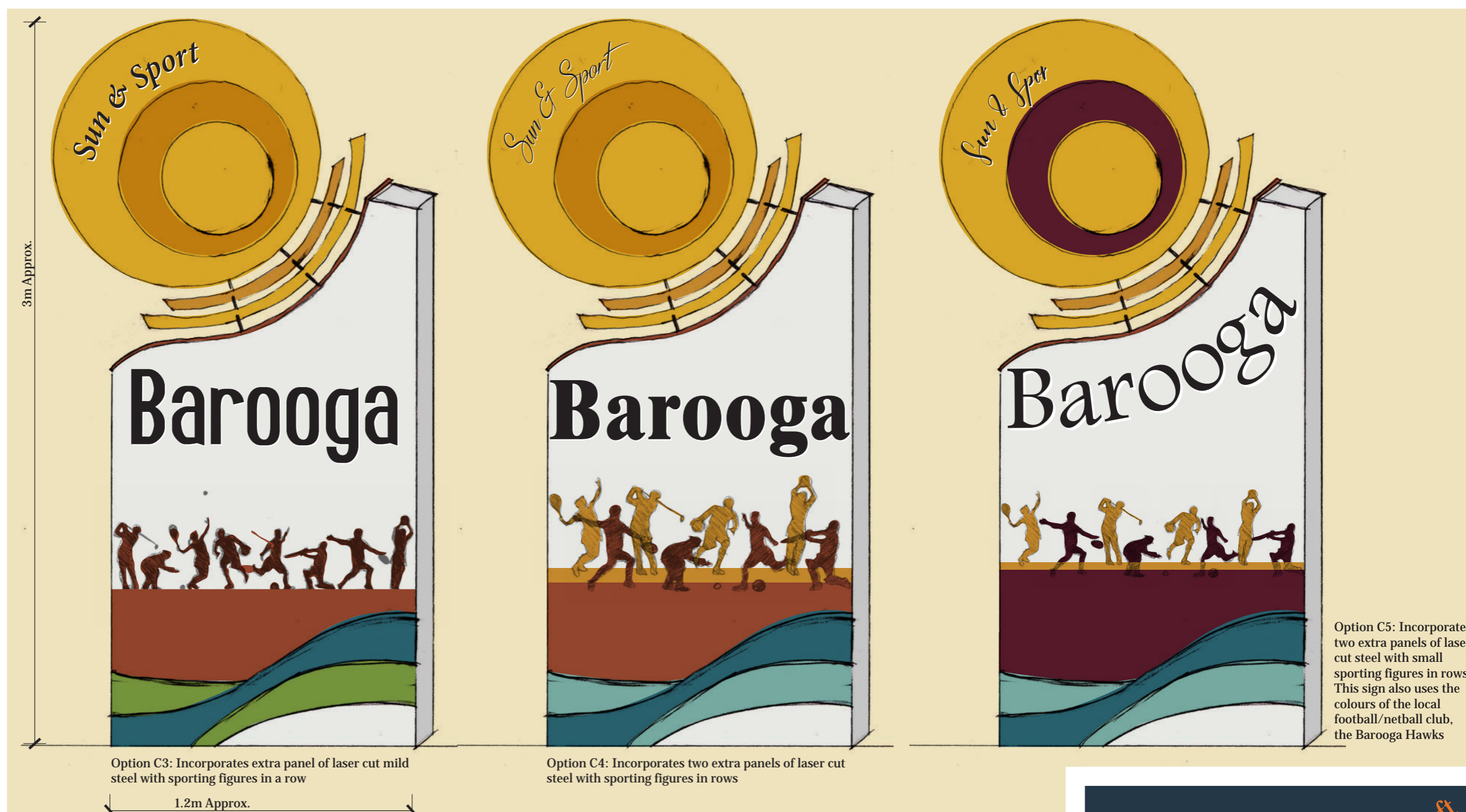
Project: Barooga Town Concept Plan

Project number: 1702

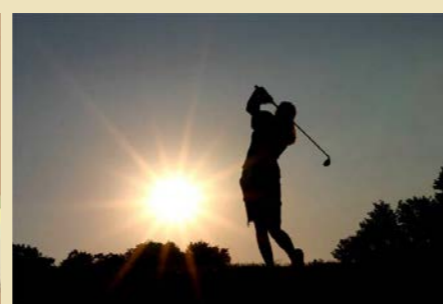
Sheet name: Town Entry Signage Option C

Scale: 1:15 @ A3 Date: 25/05/17

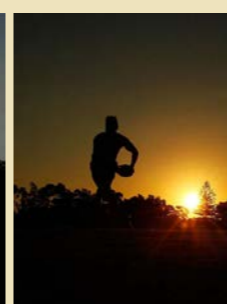
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LMLA entry sign with layered two-pack painted panels



Silhouette sporting figures in the sun



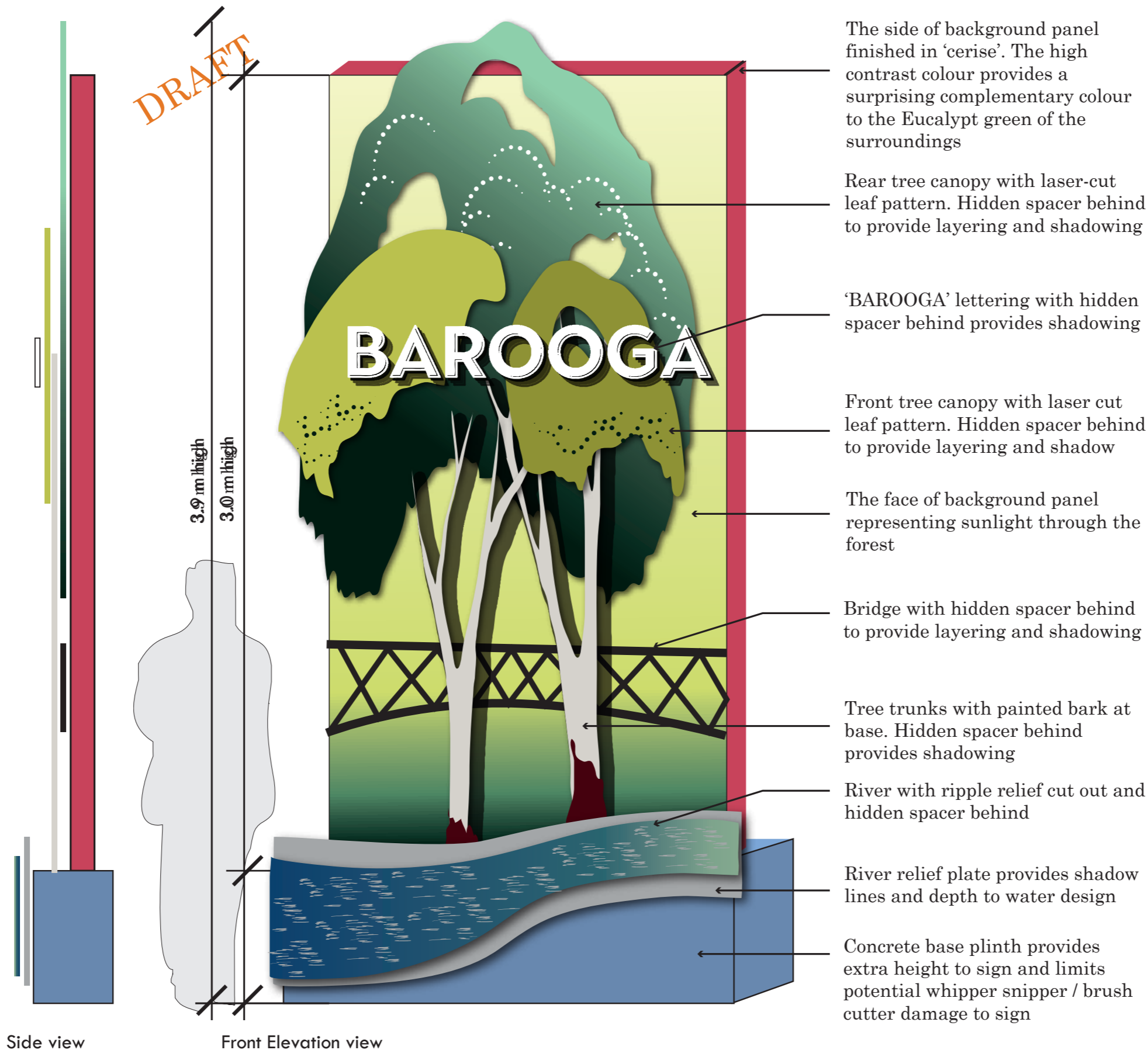
Barooga football/netball club, the Barooga Hawks. Purple and gold colours



LMLA Draft

Project: Barooga Town Concept Plan
Project number: 1702
Sheet name: Town Entry Signage Option C
Scale: 1:15 @ A3 Date: 25/05/17

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Barooga Town Entry Sign
Concept Option - River and Gum Tree

Design notes:
This theme celebrates the beautiful natural environment of Barooga

Materials Key

B 'BAROOGA' lettering with white reflective finish to enhance night time view

Steel panel with hidden sub frame to support sign structure.
Front face with 2 Pak finish with green gradient (similar to the Finley Sign sky)
Side egdes with 2 Pak finish in cerise

Laser cut steel with 2 Pak finish green gradient (similar to the Finley Signs sky)

Laser cut steel 2 Pak finish in light green

Laser cut steel 2 Pak finish in mid green

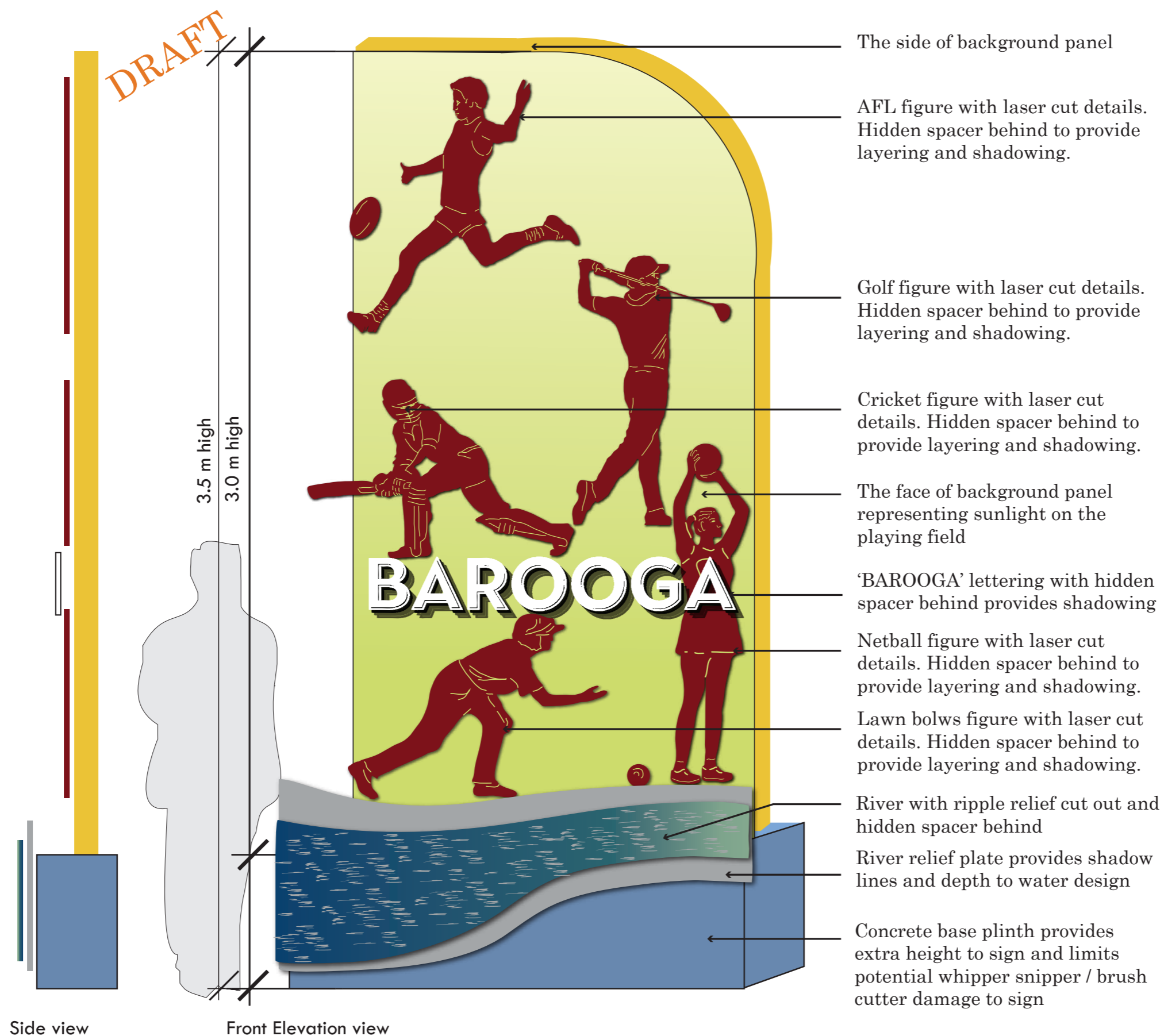
Laser cut steel 2 Pak finish in black

Laser cut steel with 2 Pak finish in grey and brown

Laser cut steel with 2 Pak finish blue gradient (similar to the Finley Signs sky)

Hot dip galvanised steel

Concrete base plinth with white quartz aggregate and blue oxide



Barooga Town Entry Sign

Concept Option - River and Sports

Design notes:
This theme celebrates the sporting culture of Barooga

Materials Key

B 'BAROOGA' lettering with white reflective finish to enhance night time view

Steel panel with hidden sub frame to support sign structure.
Front face with 2 Pak finish with green gradient (similar to the Finley Sign sky)
Side edges with 2pak finish in golden colouring

Laser cut steel sports figure with 2 Pak finish in Indian Red

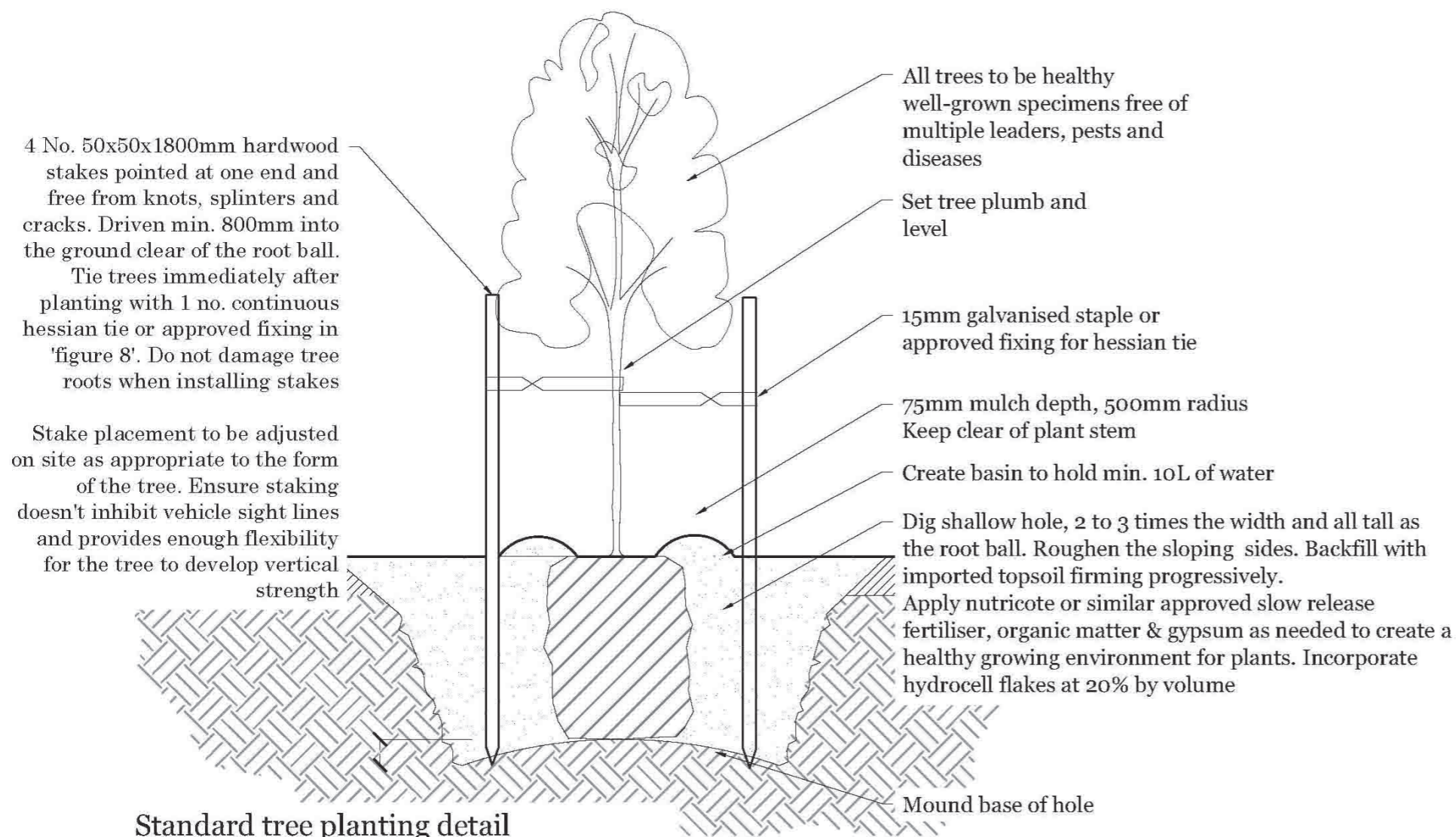
Laser cut steel with 2 Pak finish blue gradient (similar to the Finley Signs sky)

Hot dip galvanised steel

Concrete base plinth with white quartz aggregate and blue oxide

Be Remembered for your Trees - Appendix

Tree Planting



Standard tree planting detail

Scale 1:20

Tree Planting Note:

Trees shown in indicative locations only
Ensure trees are planted no closer than;

- 3 metres to driveways
- 4 metres to light poles
- 2 metres to a services pit
- 2 metres from service conduit crossing points
- 3 metres to a fire plug
- 2 metres to a domestic service tapping point
- 9 metres from intersections (building lines)
- 2 metres from stormwater outlet points

Nature strip trees are not to be placed directly above services or below powerlines.

Proposed

- tree guards with sufficient room for tree to grow and develop / a minimum of 2 sturdy stakes with hessian ties in a figure eight to allow trunk structure to develop
- remove tree guards / stakes once trees have established
- mulch well to the base of each tree, top up regularly and keep clear of trunks reduce moisture loss, weeds and potential whipper snipper / mower damage
- deep water at regular intervals during establishment period, particularly during hot summer months to promote good form and consistent, steady growth
- undertake formative pruning to create clear trunked tree and maintain good sightlines

Maintenance notes

Soil preparation

A healthy growing environment for plants is defined as; an amended existing topsoil that contains 4-8% organic matter; is capable of sustaining vigorous plant growth; contains a typical clay content of 10-30% by mass; complies generally with the typical uses of AS 4419 (2003); is free from unwanted matter such as:

- Stones, rock and pebbles greater than 10mm measured by longest dimension
- Hard clods or objects greater than 15mm dimension
- Roots with a section diameter exceeding 10mm or a length exceeding 100mm
- Sticks and rubbish
- Material toxic to plants
- Materials that may pose a danger to human health (e.g. glass, hard plastic)

Establishment period (first three years)

- Take care not to damage trees during planting
- Do not stake through the rootball
- Assuming an autumn - early winter planting, provide sufficient water to support the new trees during the winter period
- Establishment of the new trees during the spring period for the first three (3) years will be critical to ensure healthy root development. Provide 200Lt of water (at each watering) twice (2) a week during hot spring periods or once a week during normal spring temperatures
- Over the summer period water new trees approximately once every ten (10) days to sustain healthy establishment for the first three (3) years
- Water on top of the rootball
- Continue formative pruning of trees as needed to maintain a clear trunk with good branch structure
- Continue formative pruning of understorey species to create hedge form and maintain below maximum height noted on plan

Maintenance (after three years)

- Water less frequently after establishment period. All watering and irrigation is to be carried out in strict accordance with current Water Restrictions. Trees and garden bed areas are to be watered only enough to sustain continuous healthy growth
- Continue pruning of trees as needed to maintain a clear trunk with good branch structure
- Prune understorey species to maintain below maximum height noted on plans
- Replace any dead, damaged or missing plants as needed
- Top up any soil subsidence or erosion which may occur. Protect planted areas from casual pedestrian traffic and repair any damage which may occur as needed
- All mulched surfaces shall be kept in a clean and tidy condition and be reinstated or topped up as necessary
- Maintenance works include, but are not limited to; watering, fertilising, aerating, weeding, pest and disease control, staking, replacement of plant materials, replanting, pruning, re-oiling of timber components and keeping the site neat and tidy.

Links to Further Information and Documents

Street Trees

202020 Vision

<http://202020vision.com.au/media/41955/202020visionplan.pdf>

Cooling Guide Targets a Long Hot Summer

<http://citygreen.com/wp-content/uploads/2017/09/cooling-guide-targets-a-long-hot-summer-ebook-1.pdf>

Urban Forest Strategy – Melbourne City Council

<http://www.melbourne.vic.gov.au/sitecollectiondocuments/urban-forest-strategy.pdf>

Protecting human health and safety during severe and extreme heat events

<https://www.pwc.com.au/industry/government/assets/extreme-heat-events-nov11.pdf>

Vision for Vermont - Appendix

Links to Further Information and Documents

How shopping centres are changing to fight online shopping

<http://www.abc.net.au/news/2017-09-05/how-shopping-centres-are-changing-to-fight-online-shopping/8875058>

Good for Business - Walking & Cycling Friendly Streets

<https://www.heartfoundation.org.au/images/uploads/publications/Good-for-business.pdf>

Kingston - Good Access is Good Business Factsheet

<http://www.kingston.vic.gov.au/Services/Disability/Good-Access-Good-Business>

Foreshore - Appendix

Links to Further Information and Documents

General

Risky Business

<https://www.playaustralia.org.au/risky-business-emily-ditchburn>

Why kids need risk, fear and excitement in play

<https://theconversation.com/why-kids-need-risk-fear-and-excitement-in-play-81450>

What is the Relationship between Risky Outdoor Play and Health in Children?

<http://www.mdpi.com/1660-4601/12/6/6423/htm>

Beyond Blue to Green : The Benefits of contact with nature for mental health and well-being

<https://das.bluestaronline.com.au/api/prism/document?token=BL/0817>

Interpretation

Samm Ham - Thematic Interpretation

Tasmanian Thematic Interpretation Planning Manual



1

WiFi

Teens asked for "a study space with shelter from rain and tables to work in groups. WiFi is a critical aspect of this, as well as for accessing music and other media with phones."



2

Performance

"Teens like the idea of a central performance space that can show a wide range of movies for all ages and interests."



3

Food trucks and cafes

"Teens want access to affordable and diverse food options, representing a variety of cultures and food interests."



4

Interactive lighting and art

"Teens are drawn to interactive spaces, whether they be interactive lights or interactive sculptures that allow climbing or play."



5

Play Spaces for both children and adults

"Many teens want to play, but do not feel free to do so in playgrounds designed with structured equipment for specific ages. Parks that mix play types and include equipment for groups are more effective at enabling teen play."



Parks for Teens



6

Study space

"As mentioned for WiFi in parks, teens asked for places where they can hang out and complete school work together outside. These spaces could be simple picnic tables that have some shelter from the elements, a grove of trees with tables and benches," etc.



7

Nature and green space

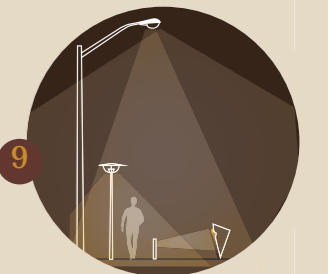
"Teens say they enjoy being in nature while spending time with their friends. In this case, nature often serves as a backdrop for other experiences, but is appreciated for its aesthetic and restorative qualities, nonetheless."



8

Music

Music provides a social platform for teens. Providing a docking station to a speaker creates a destination that allows people to hook up their own phone to a musical system to speakers. Here the teens select music, hang out, and dance. Note it is essential that "time and volume limits are included on these features to respect the neighbourhood's needs for quiet and darkness at night."



9

Lighting and safety features

"Teen girls in particular, request lighting and emergency call boxes for safety. This can extend the length of time teens have access to the park and can also provide an enjoyable walk through public spaces instead of going around it during dusk or darkness."



10

Water features

Teens "request features for water play with younger siblings and friends as well as water fountains for sound and visual interest."

Background research and supporting information

Findings by The City of Boulder's (Colorado USA) Parks and Recreation department and Youth Opportunities Advisory Board
Quotes from <http://www.childinthecity.eu/2015/12/02/parks-for-teens-10-features-teens-want-to-see/> "Child in the city - Parks for teens."



Barooga Town Concept Plan

February 2018

for Berrigan Shire Council
Liesl Malan Landscape Architects



Acknowledgement of Country

We acknowledge the Elders both past, present and future and the peoples of the Wiradjuri Aboriginal people whose traditional lands includes Berrigan.

Future projects of the Town Concept Plan provide an opportunity to continue fostering dialogue with the Traditional Owners. Their input would enrich the project outcomes for the whole community.

Acknowledgements

Masterplans are a product of conversations and workshops with many contributing committees and individuals. Particular thanks are due to;

Berrigan Shire Council, with specific mentions to:

- Rowan Perkins
- Fred Exton
- Jo Ruffin
- Laurie Stevens

The Barooga Community

We would like to thank the Barooga Advancement Group for their ongoing input into the Town Concept Plan

The Project Team

Liesl Malan Landscape Architects were the lead consultants providing strategic direction for the project.

Team members:

- Claire Reynolds Registered Landscape Architect
- Georgia Carroll Graduate Landscape Architect
- Liesl Malan Registered Landscape Architect

Disclaimer

All elements of this project have been prepared with care and diligence. We have endeavoured to understand the challenges and opportunities each town sees for themselves and to use this as the basis of the project process. The suggested outcomes are based on our professional experience as Landscape Architects. They have been provided in good faith and in the spirit of offering support and encouragement. Further Council and community collaboration will be needed to ensure ownership of future project direction and outcomes. All final decisions rest with Berrigan Shire Council and no financial responsibility will be accepted by LMLA. Please note that more detailed investigation, analysis and financial planning will be needed before committing to any works.

Glossary

BSC Berrigan Shire Council

LMLA Liesl Malan Landscape Architects

Note

Outlined text provides hyperlinks to further information. Please use the pdf version to access these links.

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Please find Appendix Document separately supplied with this Plan

Barooga

Sun and Fun

Value of the Barooga Town Concept Plan

The Barooga Town Concept Plan (The Plan) considers the whole of the Town of Barooga (refer to diagram). The vision outlined in this report is specific to Barooga. The individual projects in the Town Concept Plan have been developed with the community and Council to achieve significant, positive environmental, social and economic impact within modest and achievable budgets.

The Plan enhances Barooga’s features, unique environment and authentic character.

The Plan supports the Berrigan Shire 2023 Community Strategic Plan which is “*the first step toward a whole of community response to jobs creation and alternate enterprise to support:*

- *The attraction and retention of young people and families*
- *The provision of social and health services*
- *The maintenance and upgrade of existing facilities and infrastructure*
- *Sustainable use and development of our natural resources”* (Berrigan Shire 2023 Community Strategic Plan, Creating our preferred future, prepared by Berrigan Shire Council, January 2013 p.7)

Components of the Town Concept Plan

The overall vision of the Town Concept Plan is achieved through the following projects:

Welcome to Our Town - Entry Signage

- Locate gateways where there is the opportunity to create a stronger sense of town identity

Be Remembered for your Trees - Street Tree Planting

- Create a more cohesive streetscape character
- Ongoing succession planting program
- Create shaded pathways
- Enhance town presentation and appeal

Vision for Vermont

- Create a stronger sense of town centre identity
- Foster economic growth and social interaction
- Increase road safety and function for both vehicles and pedestrians
- Create an inviting place – encourage tourists to stop

Rest in Barooga

- Provide parking opportunities for long vehicles
- Support truck drivers with good facilities
- Consider traffic movement and safety

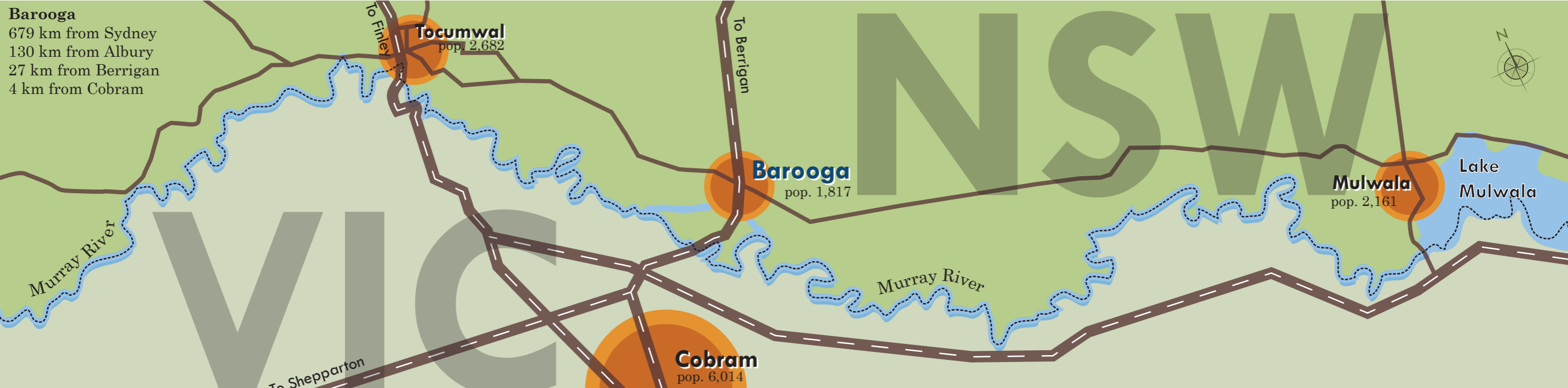
Foreshore

- Boost town identity as separate from Cobram
- More outdoor areas which encourage social activities
- Provide public areas for all members of the community
- Develop an area for tourists to stop and experience Barooga
- Enhance aesthetics around Bullanginya Lagoon

How to use this report

The Town Concept Plan has been divided into a series of individual projects. This report has been written based on the current priorities. Delivering the Town Concept Plan will require flexibility in priorities to ensure it is responsive to funding/ resourcing opportunities. Accordingly, each project section in the report can be separated. The sections can be used to;

- form the basis of a brief
- support funding applications
- facilitate discussions with relevant authorities
- co-ordinate projects internally
- support press releases
- engage and empower community members who wish to contribute to achieving the overall vision for Berrigan



A vision for a thriving town

Barooga’s Future

Authentic Barooga

Barooga is the twin town to Cobram. Barooga and Cobram are connected by three bridges; the People’s Bridge and the Bullanginya Lagoon Bridge traversing the Bullanginya Lagoon and the Cobram-Barooga Bridge over the Murray River. The landscape between the two towns is high-quality riverine forest, with large river red gums and Thompson’s Beach – Australia’s largest inland beach. This area is part of the Murray Valley National Park and is popular for camping and access to the Murray River.

Barooga is currently a quiet town with a handful of shops including a chemist, small IGA and a pub. The main street however, has a significant number of vacant lots and the street furniture is looking tired.

The Barooga Botanic Gardens is very attractive to visitors and locals. There are good sporting facilities which attract teams from out of town to compete. The foreshore to Bullanginya Lagoon has a few grassed parks and a weathered track. There is a small play space at the swing bridge and a small fenced playground at the library. Barooga’s population has been growing, and there is a long-term plan to release more land and extend the town zone.

Barooga and its surrounding natural environment offers visitors a quintessential, authentic Australian family holiday experience. Local residents and the Berrigan Shire Council have gone to great efforts to

make the town look tidy, green and attractive. The Barooga Town Concept Plan builds on these efforts.

Town Vision

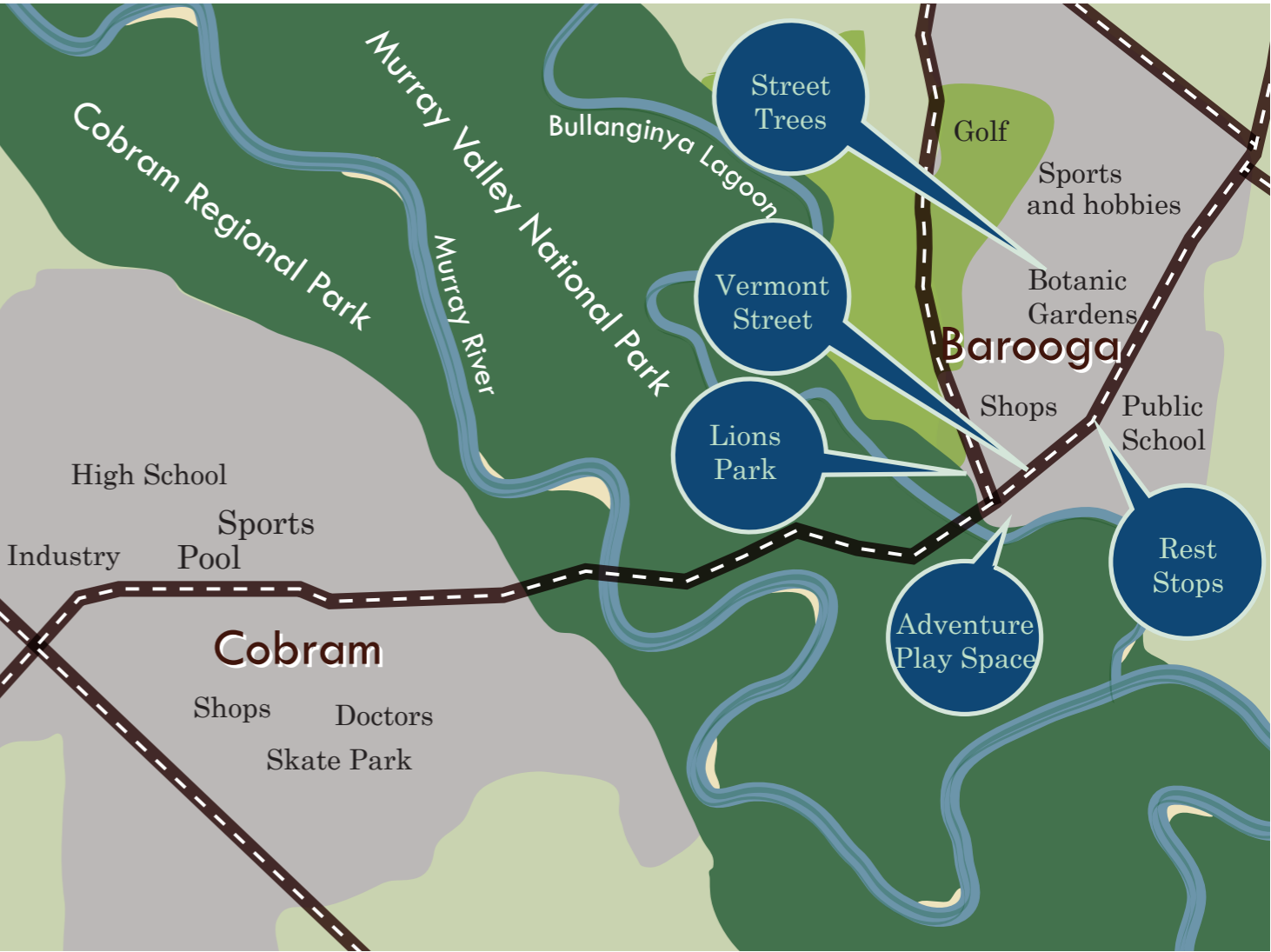
Barooga’s population has continued to grow. Street tree planting has visually enhanced Barooga and the shady path network supports a diverse, active outdoor lifestyle.

The foreshore area is an attractive space offering a range of ways to enjoy Barooga’s natural setting. Bullanginya Lagoon is a healthy waterway which makes a positive contribution to Barooga and the region.

The Adventure Play Space has attracted visitors and new residents to the area. The park is a popular spot for young families to come together in the region.

Vermont Street, between Golf Course Road and Bunker Street, is a small, but vibrant commercial area which offers good services to local people and visitors. Vermont Street is a community hub with a village-like atmosphere.

Barooga’s Botanic Gardens and Sports facilities continue to attract visitors and support community members to have active and involved lifestyles.





Lions Park



Bike path along river



Barooga Botanic Gardens



Vermont Street bus stop



Barooga swing bridge



Vermont Street near bridge

Why do a Town Concept Plan?

A whole town vision

What triggered this Town Concept Plan?

Berrigan Shire Council committed to undertaking Town Entry Signs for all towns in the Berrigan Shire. Berrigan Shire understands the need to support new Town Entry signage with a holistic response for the whole town.

Town Concept Plans for Tocumwal and Finley began the process in 2014 - 2015. The Tocumwal Foreshore Masterplan was then undertaken in 2015-2016. Berrigan and Barooga Town Concept Plans will complete this commitment.

Town Concept Plan purpose

The Plan provides a foundation for future work. The Plan has developed a long-term vision for each town with an integrated strategy which fosters social capital and builds new energy.

The Plan identifies five prioritised projects for each town. BSC nominated Street Trees to be included in the five projects.

Holistic response

The plan builds on the assets of a small river town with a beautiful natural setting. The community has identified the natural environment and sporting/ active lifestyle as key values for them. In addition they have asked for the retail area be improved. In response to their feedback the Plan holistically responds to social, environmental and economic issues in Barooga.

The town has some actively involved community members in the Barooga Advancement Group (BAG). They are committed to good social, economic and environmental outcomes for their town. They have been clear about advancement in balance. The plan has been developed with their input to foster the group's growth, ownership of town projects and ongoing volunteer roles.

Previous Reports, Plans and Strategies

Barooga Pedestrian Access And Mobility Plan
Des Gunn Landscape Design/ Berrigan Shire Council
Adoped 16th July, 2014

Berrigan Shire 2027
Community Strategic Plan
Endorsed by the Berrigan Shire Council on behalf of the community: 21 June 2017

Barooga Town Plan 2012 – 2016
Current as at 21 November 2011 to be endorsed at Barooga Advancement Group Meeting 14th February 2012

BSC Children, Young People & Families Strategy 2015-2019

BSC Tourism Strategy Jun 2014-2018

Draft Berrigan Shire Council
Active Ageing And Disabilty Inclusion Plan
Disability Inclusion Action Plan
2017 – 2021

Project Process

The design process undertaken for this project included the following steps:

Investigation phase

- Existing documents, relevant strategies and policies reviewed
- Base plans to assist in consultation created
- Online survey created

Community event

- Community BBQ at The Barooga Botanical Garden
- Whole town site visits
- Survey advertised

Site Analysis

- Whole town constraints and opportunities plan
- Review Barooga survey results and community feedback

Preliminary Town Concept Plan

- Five Prioritised projects identified
- Town Entry Option A and B developed

Community Engagement

- Street stall in Vermont Street
- Public meeting (undertaken by Council team)

Draft Town Concept Plan

- Barroga whole town plan, 5 prioritised projects
- Barooga Town Entry Sign Option C

Presentation

- Councillor presentation
- Community meeting at Sporties

Barooga Preferred Town Entry Sign

- Councillor presentation (undertaken by Council team)

Report and Action Plan preparation began

Additional town entry sign designs undertaken

- Community postal survey to determine preferred Town entry sign (undertaken by Council team)

Council will continue the Town entry sign process

Report and Action Plan finalised

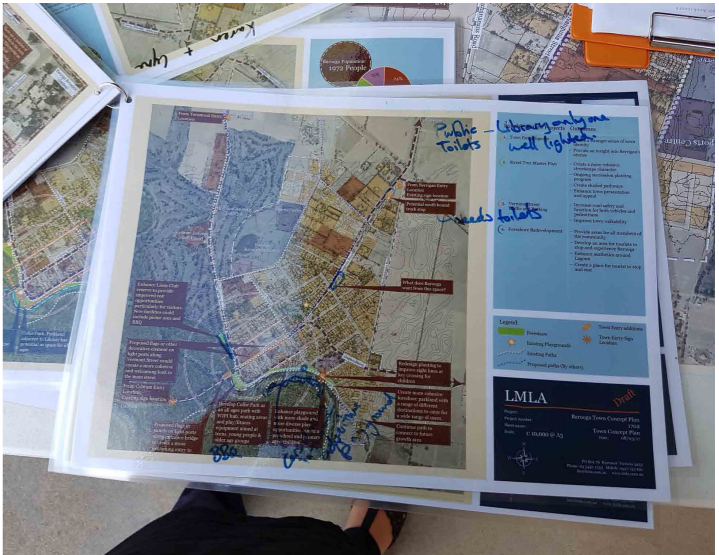
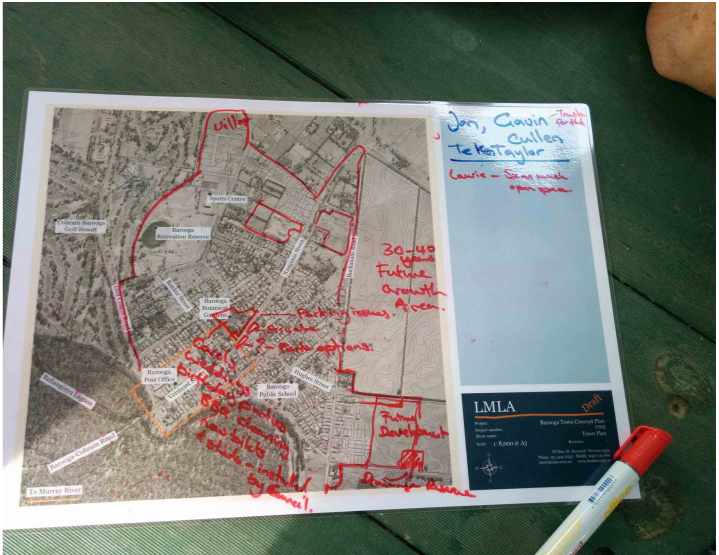
Community involvement

A variety of techniques were used to discuss the project with the community. At public events laminated plans (see image below) were used to discuss the project in detail in small groups.

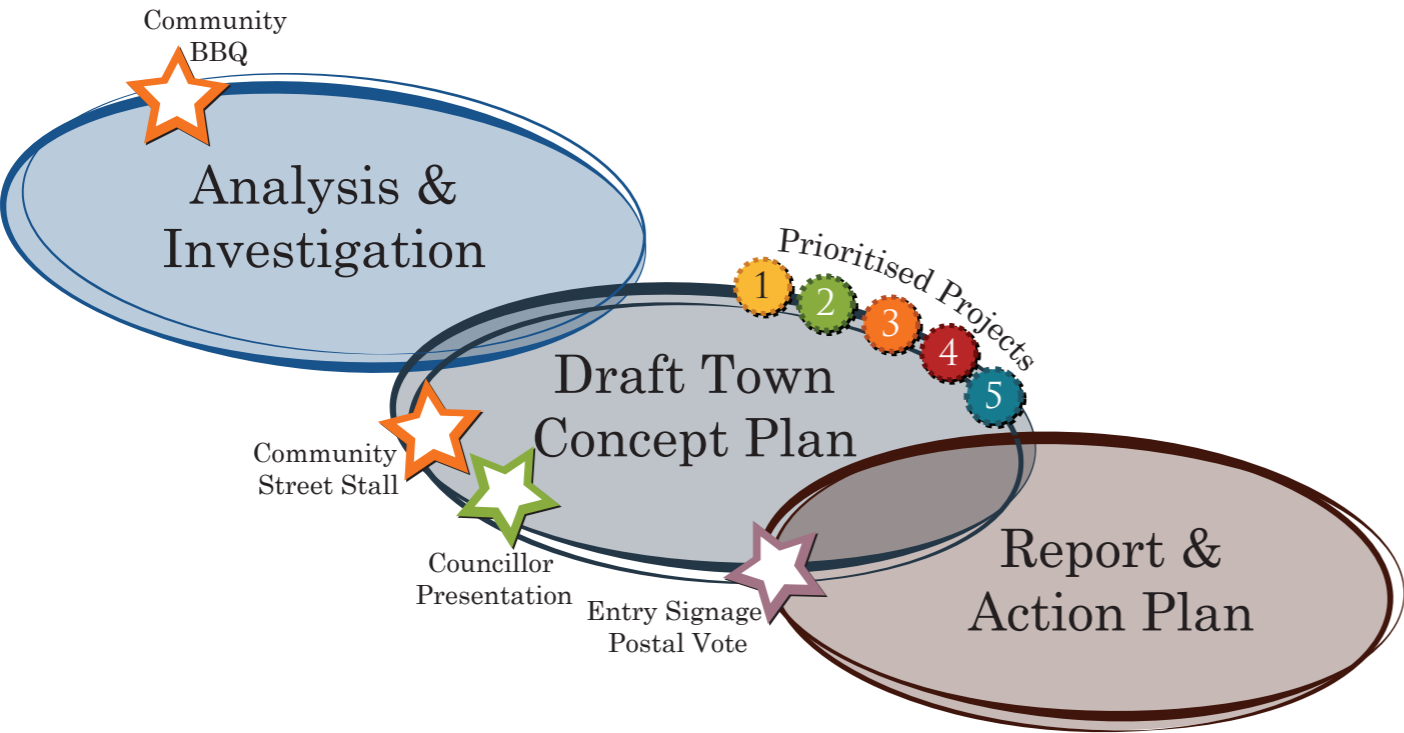
An online survey was created to help position the five prioritised projects. There was only limited engagement via the survey. For details refer to appendix.

A powerpoint presentation was also used to present all propositions to the community’s appointed representatives.

The project documents have been revised, changed and adjusted after each round of feedback to ensure the plans reflect the community vision for the future of their town.



Community member feedback and input



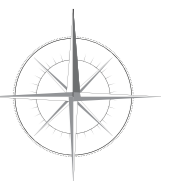


5 Prioritised Projects

- 1 Welcome to Our Town - Entry Signage**
Locate the town gateways for further signage development
- 2 Be Remembered for your Trees**
Comprehensive street tree planting
Priority areas identified
Species suggestion
- 3 Vision for Vermont**
Direct future development in Vermont Street
- 4 Rest in Barooga**
Provide truck rest stops
Provide caravan parking close to the centre of town
Mural wall
- 5 Foreshore**
Lions Club Reserve - a picnic ground which can be activated by community events or markets
Collie Park / Library area - provide an adventure playground
Swing Bridge Park - a gateway to the river bike path network



Project: Barooga Town Concept Plan
 Sheet: Town Concept Plan
 Client: Berrigan Shire Council



Scale: 1:10,000 @ A3 | Designed by: CR August 2017
 Revision: Draft | Drawn by: GC February 2018

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	Skills to undertake work	\$ Allowance	Project sub totals
Welcome to Our Town - Entry Signage		Sub total	\$90,000
		30% contingency	\$27,000
		Total	\$117,000
Form a Barooga Town Sign Working Group to: 1)Develop the theme and concept for the sign 2)Comment and contribute to the detailed design of the sign	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, willing to attend and participate in workshops and consultation, design ideas and branding knowledge	Internally undertaken by BSC	
Fabricator to produce shop drawings including structural engineering. Liaison /consultation with a Barooga Town Sign Working Group, Council and authorities inc RMS and LLS if required	Designing form, knowledge of fabrication, understanding of materials and installation, working in a collaborative design space with community	Internally undertaken by BSC	
Project manage the fabrication and installation of the signs	Understand construction, able to liaise with fabricator, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	
Fabrication and installation <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation it assumes 3 signs to be installed only at a rate of \$30,000 per sign</i>	Signage fabricator / steel fabricator with skills in custom fabrication including large format vinyl printing, welding, attention to detail, able to transport and install	\$90,000	TBC when design is finalised in detailed Design

	Skills to undertake work	\$ Allowance	Project sub totals
Be Remembered for your Trees			
Priority 1 - Wide Streetscapes works		Subtotal	\$548,000
		30% contingency	\$164,400
		Total	\$712,400
Create base data locating driveways, services and pits, existing trees, services in wide street to inform tree planting		Internally undertaken by BSC	
Undertake detailed planting plans for wide streets	Understanding of tree planting and streetscapes	\$12,000	
Project manage the planting project including liaison with RMS, plant ordering and liaison with residents (excludes ongoing liaison with other authorities)	Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction alterations	\$4,000	
"Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m =170 trees x \$200) Note this figure is an allowance and tree removal will need to be quantified during detailed documentation. There is a combined naturestrip area of approximately 16.8 linear km "		\$84,000	TBC when design is finalised in documentation
"Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400) Note this figure is an allowance and assumes planting will need to be staged. There is a combined naturestrip area of approximately 16.8 linear km "	Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge	\$448,000	TBC when design is finalised in documentation
	Undertake planting of streetscapes	Setout of tree locations, minor adjustments base on site conditions,	Internally undertaken by BSC

Priority 2 - Town centre		Sub total	\$314,000
		30% contingency	\$94,200
		Total	\$408,200
Audit and prioritise other streets	Understanding of tree health and the desired outcome for Berrigan streetscapes, possible GIS data requirements	\$10,000	This number is approximate only, specialist input required. Cost is likely to vary from one supplier to another.
Consult with the residents to choose tree species		Internally undertaken by BSC	
Project manage the planting project including liaison with RMS, plant ordering and liaison with residents	Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	
Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m = 170 trees x \$200) <i>Note this figure is an allowance and tree removal will need to be quantified during detailed documentation.</i> <i>There is a combined naturestrip area of approximately 9.6 linear km</i>		\$48,000	TBC when design is finalised in documentation
Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400) <i>Note this figure is an allowance and assumes planting will need to be staged.</i> <i>There is a combined naturestrip area of approximately 9.6 linear km</i>	Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge	\$256,000	TBC when design is finalised in documentation
Undertake planting of streetscapes	Setout of tree locations, minor adjustments base on site conditions,	Internally undertaken by BSC	
Priority 3 - Town extents		Sub total	\$274,000
		30% contingency	\$82,200
		Total	\$356,200
Audit and prioritise streets	Understanding of tree health and the desired outcome for Barooga streetscapes, possible GIS data requirements	\$10,000	This number is approximate only, specialist input required. Cost is likely to vary from one supplier to another.
Consult with the residents to choose tree species		Internally undertaken by BSC	
Project manage the planting project including liaison with RMS, plant ordering and liaison with residents	Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	
"Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m = 170 trees x \$200) <i>Note this figure is an allowance and tree removal will need to be quantified during detailed documentation.</i> <i>There is a combined naturestrip area of approximately 8.3 linear km</i>		\$42,000	TBC when design is finalised in documentation
Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400) <i>Note this figure is an allowance and assumes planting will need to be staged.</i> <i>There is a combined naturestrip area of approximately 8.3 linear km "</i>	Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge	\$222,000	TBC when design is finalised in documentation
Undertake planting of streetscapes	Setout of tree locations, minor adjustments base on site conditions,	Internally undertaken by BSC	

	Skills to undertake work	\$ Allowance	Project sub totals
Vision for Vermont Street including Golf course Road intersection		Sub total	\$220,000
		30% contingency	\$66,000
		Total	\$286,000
Form a Vermont Street Working Group to comment and contribute to the detailed design of the plan Engage with trucking community and local committees to discuss project, outcomes and maintenance	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, /understanding of truck drivers needs, understanding of long vehicle needs, willing to attend and participate in workshops and consultation	Internally undertaken by BSC	
Liaison with RMS		Internally undertaken by BSC	
Survey Vermont (and some of Golf Course Road)	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Concept and detailed design of Vermont Street including consultation with community, liaison with RMS and Council		\$10,000	
Documentation of Vermont Street including consultation with community, liaison with RMS and Council		\$6,000	TBC when design of Vermont Street is finalised in detailed Design
Project manage the tender and construction Vermont Street streetscape	Understand construction, able to liaise with construction team, able to remain true to the design intent during possible construction alterations	\$4,000	TBC when design of Vermont Street is finalised in detailed Design
Construction of the Vermont Street <i>Note this figure is an allowance and is intended to set the brief for the rest stop detailed design and documentation</i>	Road construction, installation of furniture, tree planting, parking areas	\$200,000	TBC when design of Vermont Street is finalised in detailed Design, excludes civil works

	Skills to undertake work	\$ Allowance	Project sub totals
Rest in Barroga		Sub total	
		30% contingency	
		Total	
Engage with trucking community and local committees to discuss project, outcomes and maintenance Form a Barooga Rest Stop Working Group to comment and contribute to the detailed design of the Rest Stop and long vehicle parking area	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, /understanding of truck drivers needs, understanding of long vehicle needs, willing to attend and participate in workshops and consultation,	Internally undertaken by BSC	
Liaison with RMS		Internally undertaken by BSC	
Nangunia Street Rest Stop		Sub total	\$124,500
		30% contingency	\$37,350
		Total	\$161,850
Concept, detailed design and documentation of truck stop including consultation with Barooga Rest Stop Group		\$4,500	
Survey truck stop and long vehicle site	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Project manage the tender and construction rest stop	Understand construction, able to liaise with construction team, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	
Construction of the rest stop <i>Note this figure is an allowance and is intended to set the brief for the rest stop detailed design and documentation</i>	Road construction, installation of furniture,	\$120,000	TBC when design is finalised in detailed Design, excludes civil works, includes toilet block
Liaison with mural wall community stakeholders facilitate project	Communication, consultation and facilitation, set rules of engagement	Internally undertaken by BSC	
Undertake mural wall project with a professional artist	High quality artwork that reflects the Barooga Community	\$15,000	

	Skills to undertake work	\$ Allowance	Project sub totals
Foreshore		Sub total	
		30% contingency	
		Total	
Form a Barooga Foreshore Working Group to comment and contribute to the detailed design of the park and associated elements	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, willing to attend and participate in workshops and consultation,	Internally undertaken by BSC	
Lions Park including long vehicle parking		Sub total	\$164,000
		30% contingency	\$49,200.00
		Total	\$213,200.00
Undertake survey of Lions Park	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Detailed design and documentation of park - path, shelter, bbq , picnic furniture, parking area including consultation with a Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter design	\$12,000.00	
Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible construction alterations	\$2,000.00	
Construction of the park including parking area and picnic shelter inc BBQ. <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct, able to install shelter	\$150,000.00	TBC when design is finalised in detailed Design, excludes civil works

Collie Park / Library Adventure Playground		Sub total	\$825,000
		30% contingency	\$247,500.00
		Total	\$1,072,500.00
Undertake survey of Collie Park / Library	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Detailed design and documentation of park and playground including consultation with Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter products	\$60,000.00	
Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible construction alterations	\$15,000.00	
Construction of the park including Regional play space, path network, basketball half court, upgrade to picnic tables and shelter <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct, experience constructed playgrounds and installing soft fall	\$750,000.00	TBC when design is finalised in detailed Design, excludes civil works
Swing Bridge Parkland		Sub total	\$67,500
		30% contingency	\$20,250.00
		Total	\$87,750.00
Detailed design and documentation of park and shelter including consultation with Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter products	\$5,500.00	
Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible construction alterations	\$2,000.00	
Construction of the park including upgrade to picnic tables and shelter, demolition of existing play equipment, install signage <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct,	\$60,000.00	TBC when design is finalised in detailed Design, excludes civil works



Town Entry Signage Aspiration

- Create a stronger sense of town identity
- Build on town pride
- Visual cue to traffic to slow down

Locations

The Plan identifies three locations for signage with two locations prioritised

Current

The existing Town Entry Signage features are inconsistent. (One is a wall with 'Barooga' in lettering on it, and the other is a sign on posts)

Issues

- Sign is similar to others and doesn't reflect Barooga as a unique place
- The signs are dated and inconsistent
- Barooga needs a clear and concise message

Sign designs

The plan developed signage designs which explored the themes of natural environment and sports. The signs have gone through a consultation process. (Refer to the appendix for details)

What's next?

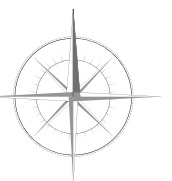
The Council will continue the process to develop the town theme.

Outcomes

Signage that provides a clear and simple message about Barooga is constructed at the locations shown on the plan.



Project: Barooga Town Concept Plan
 Sheet: Welcome to Our Town
 Client: Berrigan Shire Council



Scale: 1:10,000 @ A3 | Designed by: CR August 2017
 Revision: Draft | Drawn by: GC February 2018

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ABN 39 133 179 212



Street Tree Aspiration

Street trees planting has visually enhanced Barooga and a shady path network supports a diverse, active outdoor lifestyle.

Current

The existing street trees are very good in Vermont Street, however elsewhere the trees are inconsistent in spacing, health and at times species. There are many streets with no street trees in Barooga.

Issues

- Barooga has many streets without street trees, including places with existing footpaths but no shade protection
- Barooga's streets look hot and exposed
- There are some gardens in Barooga that continue on to the naturestrip where street trees would normally be planted

Proposed

The proposed street tree masterplan provides a planting strategy to make Barooga more green and shady. There will be consistent street tree species and overall, more trees.

Plant boulevards of trees to:

- Create a more cohesive streetscape character
- Ongoing succession planting program
- Create shaded pathways
- Enhance town presentation and appeal

Priorities

The Street Tree Masterplan Priorities are based on the following rationale:

1. Top priority - wide streets that are the first impression of Barooga
2. Second priority - town centre where there are many existing footpaths
3. Third priority - rest of the town zone, however, should a development occur in this area, it is recommended that the developer be required to:
 - provide nature strips wide enough for services, footpaths and street trees.
 - supply and install street trees chosen from the Recommended Trees list in this report.

Outcomes

Prioritised areas for plantings

Species suited to different conditions

Engagement recommendations to discuss street trees in residential areas

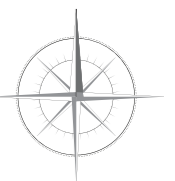


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Project: Barooga Town Concept Plan
Sheet: Be Remembered for your trees

Scale: 1:10,000 @ A3
Revision: Draft
Designed by: CR
Drawn by: GC
August 2017
February 2018



ABN 39 133 179 212

Be Remembered for your Trees

Street Tree Masterplan

Why value trees?

Social Benefits

- Contribute to the identity of the town
- Green open space for events, festivals and celebrations
- Encourage outdoor activity - health benefits
- Connection to nature - health benefits
- Reduce sun exposure - reduced cancer risks
- Reduce heat related illnesses
- Improve mental wellbeing

Environmental Benefits

- Reduce air pollution
- Capture and store carbon
- Provide shading in summer and solar access in winter (deciduous only)
- Reduce carbon emissions
- Provide habitat and biodiversity
- Reduce nutrient flows into stormwater

Economic Benefits

- Reduce cost of energy consumption by improving microclimates
- Streets with more street trees have higher property values
- Green towns are more likely to attract visitors

Choosing the right tree

Size of tree at maturity

- Micro-climate impact
- Small trees have less impact on cooling our streets in summer than large trees
- Cue to slow traffic
- Small trees are less effective at slowing traffic speeds
- If space is an issue, a small tree is better than no tree

Diversity of tree species in the overall street tree list

Planting a range of tree species;

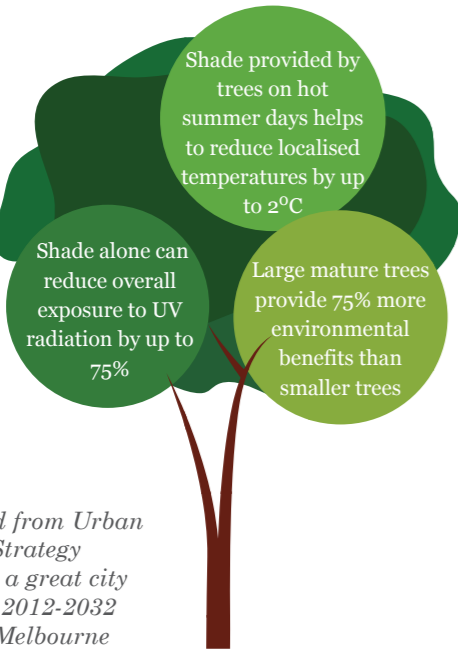
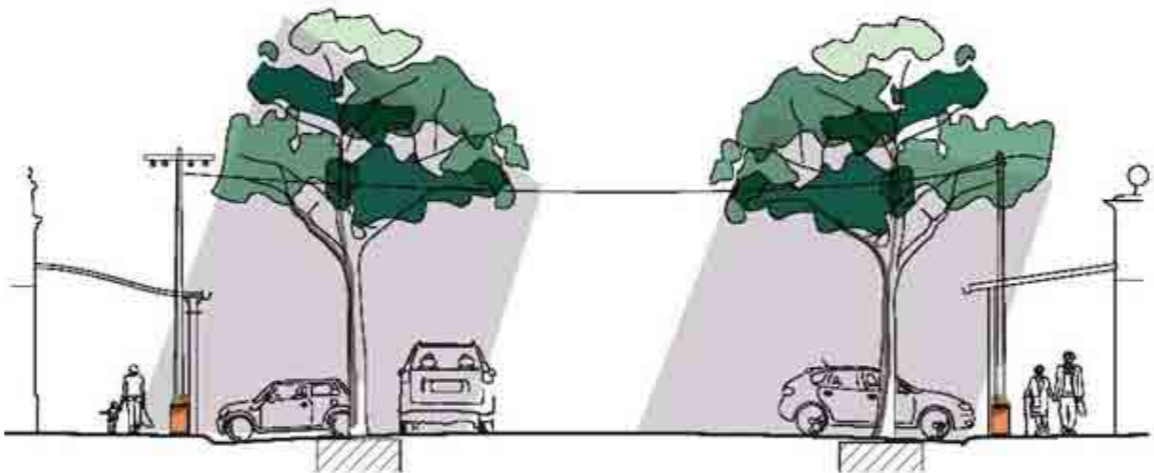
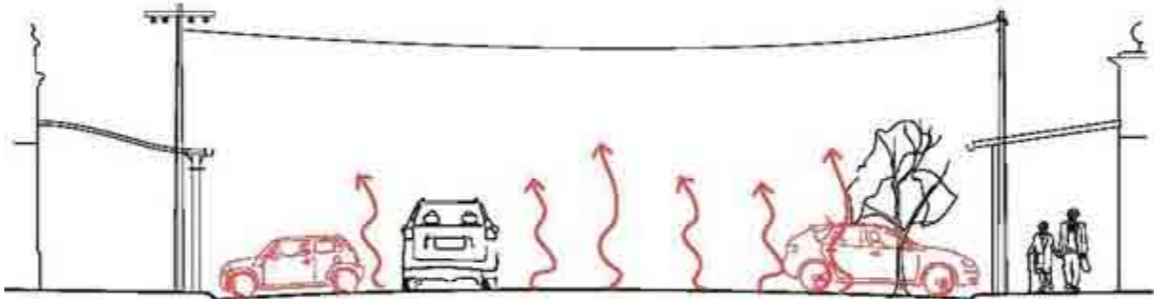
- Reduces risk of loss due to climate event or insect attack
- Increases demands on maintenance and resource management

Keeping existing trees

- The climate is hot and dry, establishing trees is difficult and requires ongoing maintenance
- Keeping a healthy, established tree vs removing it to create a boulevard – site specific response needed

Not always replanting the same species

- Tree species planted at one time are not always socially and environmentally the right fit for the future



Adapted from Urban Forest Strategy Making a great city greener 2012-2032 City of Melbourne

Supporting strategies and reports

Berrigan Shire 2027 : Our Community Strategic Plan

Strategic outcome 1 - Sustainable natural and built landscapes.

Priority Projects & Initiatives pg 15 - “Invest in town entrances and the visual amenity of our streetscapes”

Tourism Strategy 2014 - 2018

Section 6 The Tourism Experience pg 8 - “Council also promotes conditions that support visitation by building and maintaining... attractive town streetscapes”

What, when and how to plant

Process to plant trees

Audit

Undertake a street tree audit:

- What trees are in the streetscape?
- What condition are they in?
- Spatially locate audit
- Consider creating a register of trees which can be used to direct resources and maintenance

Overlay audit with proposed staging on the Street Tree Masterplan and develop detailed priorities based on;

High priority

- streets with existing footpath but low quality existing shade
- streets with scheduled civil construction
- streets with community support / demand for trees
- streets with few trees or trees in poor condition

Low priority

- streets with trees in good health and consistent planting
- streets with entire community resistant to tree planting

Get the community involved

Engage with the community to foster interest and ownership of the street trees. Ensure the importance of trees to the town is explained to the community. Getting the community involved in tree choices will help in the tree success rate. People who feel a sense of ownership are more likely to water the tree out the front of their house in summer and unlikely to remove or poison the tree.

There will be locations where community members have planted a garden on the nature strip. It is recommended that Council speak with them at the planning stage before planting is undertaken. Involve them in the choice of tree and agree on the future of the other plantings that remain.

Plan each planting

Each streetscape will need to be planned. The tree species will need to be selected based on the size of the naturestrip and services locations. Refer to the recommended trees on this page. Community input is valuable at this stage.

Consider the spacing of the trees. Aim for as many trees as possible, with a minimum of one tree every 17m. Further discussions with some community members may be required to confirm the location of the tree.

If a street has significant underground services / infrastructure consider using tree cells.

Order the trees

Plan to plant when the soil will have some moisture but is not water logged. Order the stock well in advance. If the trees are coming from a different climate eg/Melbourne or Sydney, allow time for them to harden off in a local nursery or with the works team.

Discuss the proposed species with the supplier and what stock and quantity they have available. A contract to grow the trees could be considered.

Satisfy yourself with the quality of all plants before accepting them from the supplier. All plants shall be true to species and the best of their respective kinds. They should have:

- a well-developed root system within the rootball (not pot bound) and
- be free from pests and disease
- straight trunks
- strong crown growth that is well formed.

It is recommended that no tree be accepted which is unhealthy and/or has not been adequately hardened off, or is otherwise inferior in quality.

Planting and maintenance

To limit tree stress and shock plant immediately after delivery to site or heeled in or covered with moist soil or hessian. Until planted, trees will need to be adequately protected from frost and winds and be properly maintained.

After planting, the trees will need to be regularly watered until they are established (first season). During the following two (2) summers / dry weather watering will be required. Some trees may require replacing during this phase and this should be discussed with the supplier when ordering the trees. Monitor and treat trees for pests and diseases as required.

Recommendations

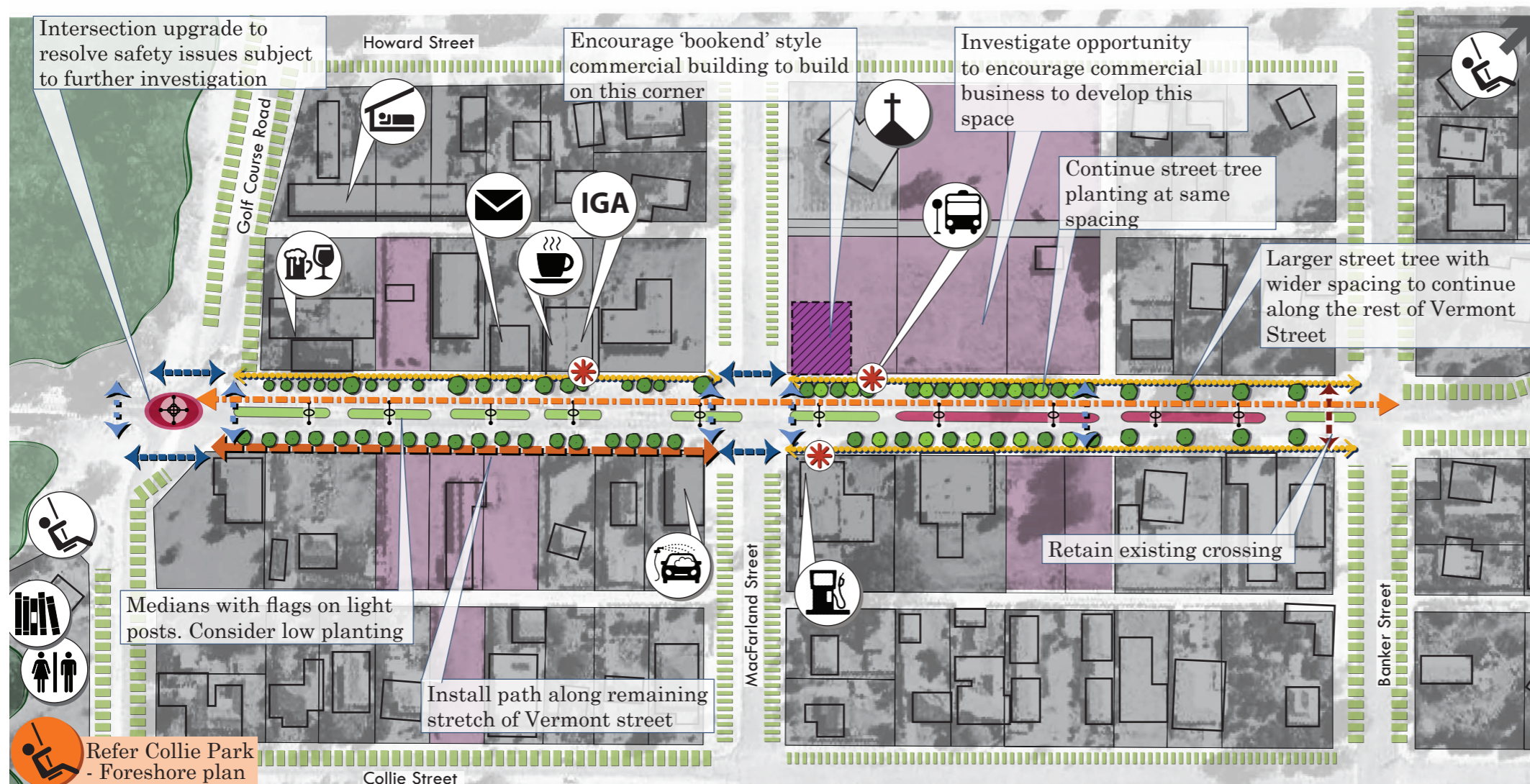
- Audit the existing trees and set detailed priorities
- Engage the community to discuss tree species and locations
- Plan each street and order stock in advance
- Plant in accordance with the tree planting detail in the appendix.

Recommended trees

A tree palette has been prepared for Barooga based on the climate and cultural conditions. There are specific trees for the main roads and a palette to guide choices in other streets. The Barooga Botanical Garden Committee have contributed to the street tree list below.

The following list has been prepared to guide future tree plantings:

Botanical name	Common name	Height x Spread
Golf Course Road		
<i>Corymbia citriodora</i>	Lemon Scented Gum	20 x 8m
<i>Corymbia maculata</i>	Spotted Gum	30 x 10m
Vermont Street		
<i>Pistacia chinensis</i>	Chinese Pistachio	8 x 6m
<i>Zelkova serrata</i>	Zelkova	14 x 10m
Wide Streets		
<i>Acer x freemanii ‘Jeffersred’</i>	Maple	13-15 x 5-7m
<i>Corymbia citriodora</i>	Lemon Scented Gum	20 x 8m
<i>Corymbia maculata</i>	Spotted Gum	30 x 10m
<i>Eucalyptus leucoxylon ‘Rosea’</i>	Yellow Gum	9-15 x 5-8m
<i>Eucalyptus sideroxylon’Rosea’</i>	Red Ironbark	15 x 6-10m
<i>Ulmus parvifolia</i>	Chinese Elm	13 x 10m
<i>Zelkova serrata</i>	Zelkova	14 x 10m
Medium Streets		
<i>Casuarina cunninghamiana</i>	River Sheoak	15x 6m
<i>Corymbia ficifolia</i>	Flowering Gum	10 x 5m
<i>Fraxinus pennsylvanica</i>	Ash	15 x 8m
<i>‘Urbanite TM’</i>		
<i>Gleditsia triacanthos var. inermis ‘Sunburst’</i>	Golden Honey Locust	15 x 7 m
<i>Hymenosporum flavum</i>	Native Frangipani	18 x 8m
<i>Jacaranda mimosifolia</i>	Jacaranda	15 x 10m
<i>Pistacia chinensis</i>	Chinese Pistachio	8 x 6m
<i>Pyrus calleryana ‘Glen’sForm’</i>	Chantieleer Callery Pear	11 x 6m
Narrow or restircted streets		
<i>Albizia julibrissin</i>	Persian Silk Tree	5 x 4m
<i>Agonis flexuosa</i>	Willow Myrtle	10 x 5m
<i>Callistemon salignus</i>	White Bottlebrush	7-9 x 4m
<i>Eucalyptus exima ‘Nana’</i>	Dwarf Yellow Bloodwood	6-8 x 4-6m
<i>Hakea laurina</i>	Pincushion Hakea	5 x 4m
<i>Lagerstroemia fauriei</i>	Crepe Myrtle	8 x 4m
<i>Pittosporum phylliraeoides</i>	Butterbush	8 x 5m
<i>Prunus spp.</i>	Ornamental Plum	6 x 4m



Legend

- Existing empty lot
- Existing footpaths
- Proposed footpath
- Possible upgrade to on road cycling - to be discussed with RMS
- Existing pedestrian crossing
- Proposed pedestrian crossing
- Potential location of pedestrian outstand area - to be discussed with RMS
- Existing street light
- Existing tree
- Proposed tree
- Proposed street tree planting - medium street (refer Be Remembered for your Trees Plan)
- Proposed street tree planting - narrow street (refer Be Remembered for your Trees Plan)
- Existing centre median with proposed planting
- Proposed centre median
- Proposed round about
- Proposed upgrade to street furniture

Vermont Street Aspiration

Town Centre (centred on Vermont Street, between Golf Course Road and Banker Street)

Vermont Street, in the town centre, has an active, attractive and cohesive streetscape with retail, residential, hospitality and community facilities. It is free of 'inactive' retail (such as storage/factory units), empty shop fronts and industrial activities (such as welding or powder coating). Local businesses are supported, and appropriate development of the vacant lots and empty houses for residential, retail or hospitality use is encouraged.

Small-scale shopping facilities meet the basic needs of local residents and visitors. Walking and cycling around the town centre is easy with shady continuous paths and good access connections for all abilities.

Current

Vermont Street has a range of shops including a small supermarket, post office, pub, petrol station and chemist. Residential is mixed with retail. The street trees are closely spaced Chinese Pistachio.

They are making a positive contribution. There is a significant amount of empty land.

Issues

- The street trees attract birds, and there are seeds on the footpath. however they are making a significant contribution to the streetscape and are an appropriate scale. These trees have a significant life span of over 50 years.
- The street furniture is looking tired and dated, it is uncomfortable, and in places, the benches have no armrests.
- The retail shops are separated by areas of empty land which prevents the feeling of a village
- There are poor pedestrian connections. The footpaths are only in some locations and pedestrian road crossing points are limited
- Vermont Street is a state road with truck traffic. Cyclists find the road hard to ride on with large vehicle traffic. Contributing factors may include worn line marking and reversing parked cars.
- Proposed adventure play space will need improved connections to the main street to access full social and economic impact

Proposed

Vermont Street has some long term issues and it is recommended that Vision for Vermont Street be a guide to inform the next 20 years of development.

- In fill planting of street trees in northern block
- Update furniture in Vermont Street to improve all abilities access
- Actively encourage appropriate development of empty blocks and discourage land banking

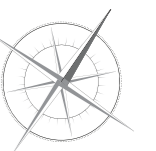
Discussions with RMS

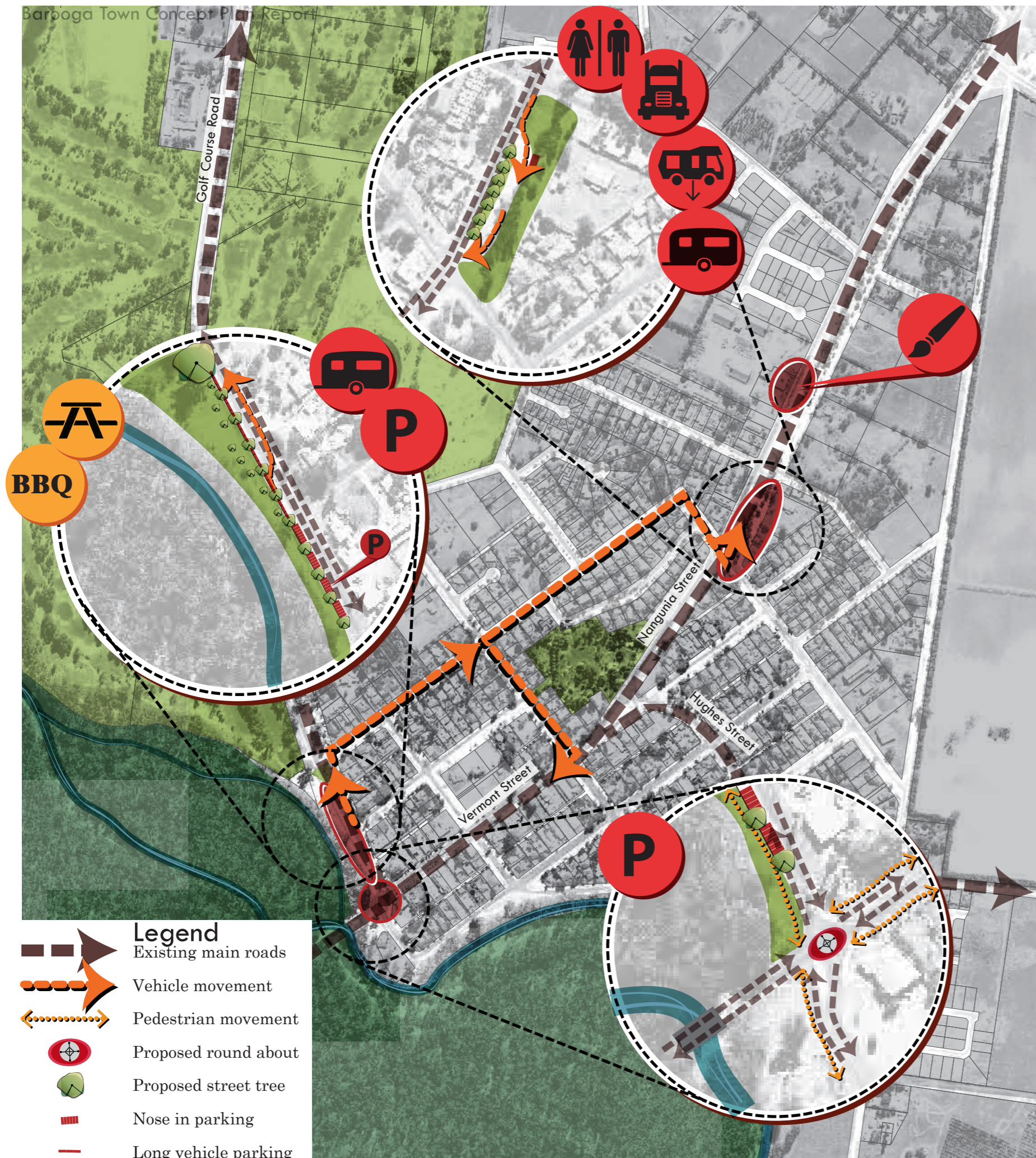
- Discuss intersection with Golf Course road (Refer Rest in Barooga section of this report)
- Discuss improved cyclist connections (eg green lane) along the shopping strip
- Discuss locations for pedestrians to cross Vermont Street and seek to increase the existing crossing opportunities

Project: Barooga Town Concept Plan
 Sheet: **Vision for Vermont**
 Client: Berrigan Shire Council

Scale: 1:2,000 @ A3 | Designed by: CR | August 2017
 Revision: Draft | Drawn by: GC | February 2018

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Rest Stop Aspiration

Barooga has well connected parking areas that encourage and support long vehicles and heavy vehicles to stop and use town facilities

Current

The existing rest stop is a gravel area on Nangunia Street with an RV dump site and a Lions Club shelter.

Issues

The existing rest stop site:

- has had complaints of misuse due to the lack of toilets
- the gravel expanse is not welcoming and doesn't reflect Barooga
- the rest stop is over 1km from the shops

Town (general)

- Long vehicle parking area is needed in town to support travellers to use local businesses
- Intersection at Vermont Street and Golf course road near the bridge has difficult sight lines which cause conflict between large vehicles, cars and pedestrians. The impact of proposed changes suggested in this Plan on this intersection should be carefully assessed

Proposed

To welcome and support long distance drivers to Barooga the following projects have been identified:

Upgrade to existing Nangunia Street rest stop

- Existing facilities RV dump retained
- Toilet block, formal truck and long vehicle parking facilities
- Tree and garden bed area to improve aesthetics and feel welcoming
- Wayfinding signage to connect to town and other parking locations

Vermont Street and Golf Course Road intersection

- Review intersection with RMS to seek improved sight lines and road safety
- Include directional signage for long vehicle parking in Golf Course Road

Golf Course Road Parking

- Formalise parking in Golf Course Road for cars & long vehicles

Mural project at Brooks Grain Offices

- Community project to install a mural on existing building wall

Outcomes

Long and large vehicles are welcomed to Barooga and encouraged to stop close to the Vermont Street shops



Project: Barooga Town Concept Plan

Sheet: Rest in Barooga

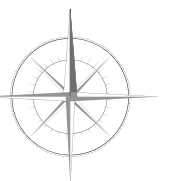
Client: Berrigan Shire Council

Scale: 1:8,000 @ A3 | Designed by: CR August 2017

Revision: Draft | Drawn by: GC February 2018

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Rest in Barooga

Vermont Street and Golf Course Road

Existing Conditions

Vermont Street is a regional road. The intersection was identified by the community as a difficult place for pedestrians to cross and a difficult place for vehicles to turn from side roads into Vermont street.

BSC recently checked traffic speed in the area and did not record high vehicle speeds during the check. Council did discuss concerns about the intersection with RMS after the bridge was installed.

The bridge is higher than the side roads which does make it harder to see bridge traffic and turn from side streets.

The road traffic includes large trucks. The road width and the location pedestrians cross is wide. There is no formal pedestrian crossing. Coloured pavement has been installed as a traffic calming measure. It can be confused by pedestrians as a crossing location however, there are no pram crossing facilities.

The shared path currently goes under the bridge and is accessed via gates. The path has several signs associated with it however, it is a counter-intuitive way to access the town centre. This path area is at times affected by flooding and there is no alternative connection.

The intersection is a barrier to accessing Vermont Street from the east side. Note the East side has a significant amount of land that will be available for development.

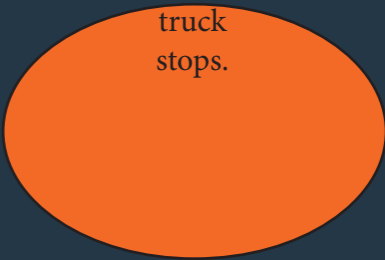
Impact of the Barooga Town Concept Plan on this Intersection

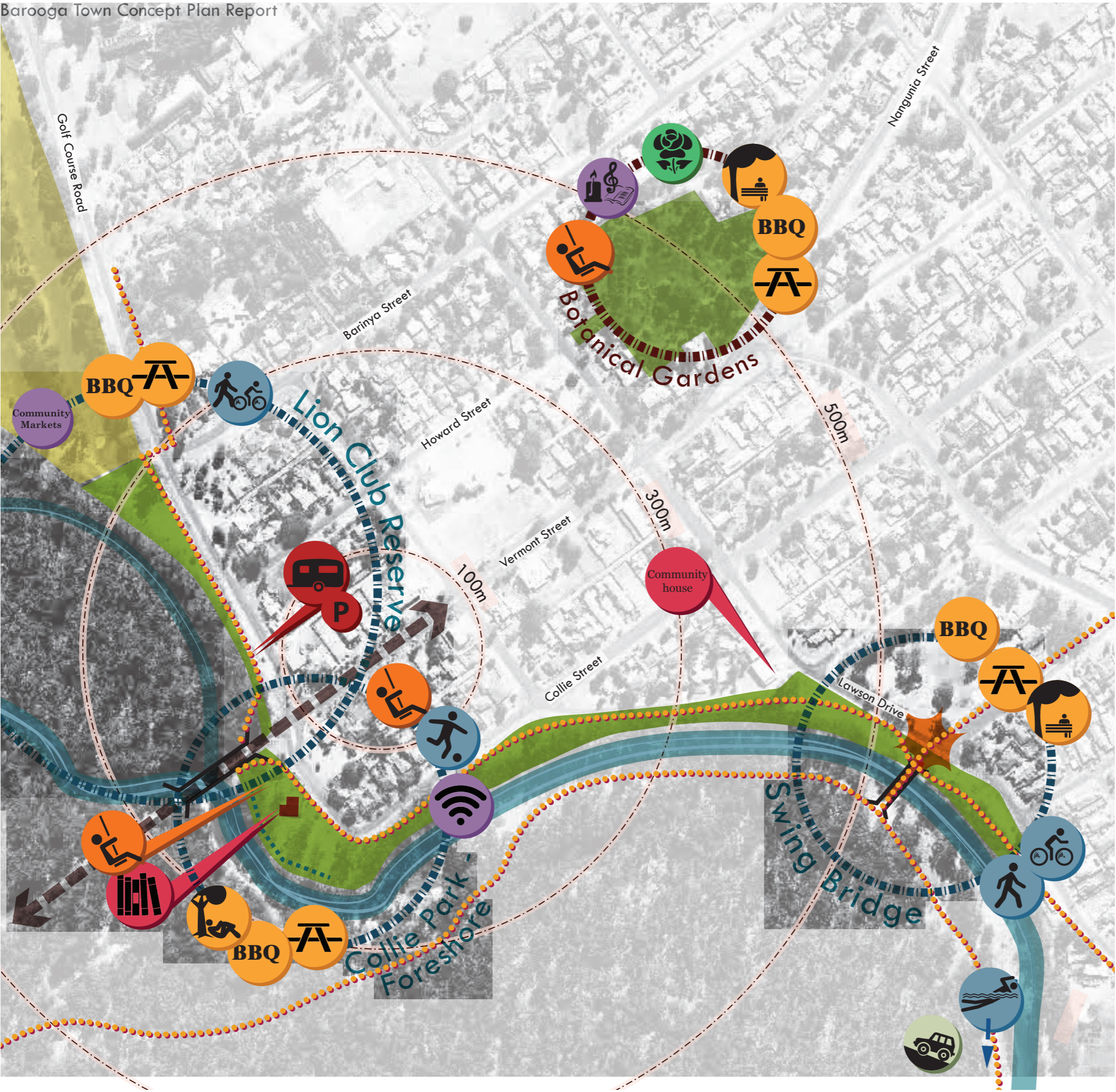
The Foreshore Plan recommends the development of the parks on either side of the bridge and the shared path. These new destinations may increase the number of pedestrians and cyclists between east and west sides of the foreshore as well and into Vermont Street.

The Plan has identified an opportunity for a long vehicle parking area in Golf Course Road next to Lions Park. There may be an increase in long vehicle turning movements at this intersection.

Further Work

- Consider re-opening the conversation with RMS
- Consider undertaking a traffic assessment by a qualified traffic engineer based on current conditions and possible changes based on elements in the Plan
- Consider an upgrade to the road to improve pedestrian/cyclist links and traffic movement from side streets.





Foreshore Projects

Current

The Foreshore to Bullanginya Lagoon has three main park areas. All are well maintained with green mown grass however, they are looking tired and worn.

There is shared path system throughout the foreshore which is often interrupted by car parking or parkland.

Barooga has several playgrounds that cater for the preschool and early primary school aged children. One in the foreshore has been identified by Council as at the end of its viable lifespan. Cobram has recently built a skate park.

Opportunities

Barooga Foreshore area can be developed to promote the town's connection to the riverine environment. The Foreshore can provide a range of welcoming, public outdoor spaces. Each area should have its own distinct identity and overall, they should cater for a wide range of uses, age groups and physical abilities.

Project: Barooga Town Concept Plan
Sheet: Foreshore
Client: Berrigan Shire Council



Scale: 1:4,000 @ A3 | Designed by: CR August 2017
Revision: Draft | Drawn by: GC February 2018

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Foreshore

Bullanginya Foreshore Redevelopment

Contemporary image

The foreshore is a beautiful natural setting however, its first impression could be better. Treated timber pine fencing and unprogrammed space deters visitors and users.

During consultation, the Barooga Community made it clear that the town image should focus on natural materials and steer away from bright colours or flags. Any changes to the foreshore should reflect this community direction.

Attracting visitors to Barooga

The Berrigan Tourism Strategy identifies that the majority of visitors to the shire are visiting relatives. This sector of the tourism market has high potential to become future residents. For this reason, it is a highly valuable market. The foreshore area has the potential to provide an excellent destination for family activities and to demonstrate the quality of life available to Barooga residents.

The Foreshores close proximity to Vermont Street Shops also provides an ideal town park for visitors to break the drive.

Improve connectivity to town centre

The foreshore has the capacity to be a major link that connects east and west sides of Barooga to the town centre. The path system should be a welcoming and pleasant experience for all abilities. This path would support healthy lifestyle choices and the commercial centre of Barooga. Crime Prevention Through Environmental Design Principles (CPTED) should be applied to the foreshore path system.

Improve connections to bushland and river

The Swing Bridge area of the Foreshore provides an excellent existing connection to the bushland, river and beaches in the area. The shared path could include wayfinding to sites in the National Park to improve awareness, access and connection to the natural environment.

Play

Attitudes to play and risk have been shifting dramatically. *“Numerous studies have shown that attempts to eliminate risk from playgrounds are ultimately damaging children. The key, experts say, is to encourage ‘good’ risk and eliminate ‘bad’ risk.”* (Risky Business by Emily Ditchburn 9 December 2017 Refer Appendix) The Australian Standards for play have been rewritten to address this change and the role that the lack of risk played in promoting a sedentary lifestyle in children.

During community consultation the play opportunities offered in Barooga were discussed. Community members asked for an adventure play space that attracts primary to lower secondary school-aged children with challenge and excitement.

Recommendations

Shared path

Develop the share path including improved surface treatment to limit ongoing maintenance requirements.

Foreshore Parks

Develop a park style guide including standard furniture, shelters, tree species and a materials palette that can be applied to all parks as they are redeveloped. Ensure the maintenance team are directly involved in the development of any standard/ guide to make sure it responds to available resources.

Lions Park

- Adopt the aspiration for the park,
 - Commission qualified professionals to design and document the park and
 - Undertake the proposed work.
- Refer to the Lions Park Plan for more details

Collie Park

- Adopt the aspiration for the park,
 - Commission qualified professionals to design and document the park and
 - Undertake the proposed work.
- Refer to the Collie Park Plan for more details

Swing Bridge Park

- Adopt the aspiration for the park,
 - Commission qualified professionals to design and document the park and
 - Undertake the proposed work.
- Refer to the Swing Bridge Park Plan for more details

Supporting strategies and reports

Barooga Pedestrian Access And Mobility Plan
Des Gunn Landscape Design/ Berrigan Shire Council
Adoped 16th July, 2014

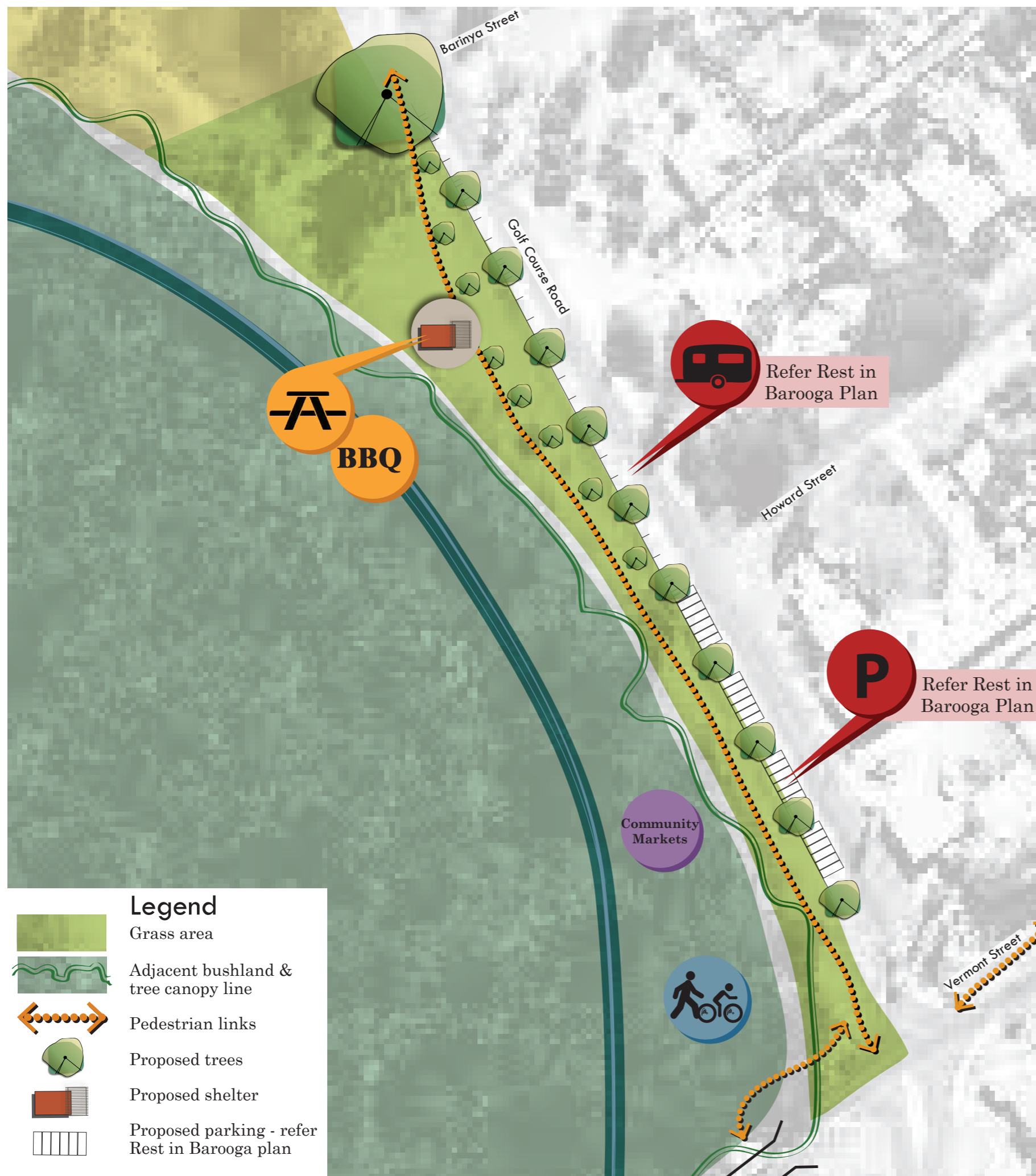
Berrigan Shire 2023
Community Strategic Plan
Endorsed by Berrigan Shire Council on behalf of the community: 16 January 2013

Barooga Town Plan 2012 – 2016
Current as at 21 November 2011 to be endorsed at
Barooga Advancement Group Meeting 14th February 2012

BSC Children, Young People & Families Strategy and
Action Plan 2015-2019

BSC Tourism Strategy 2014-2018

Draft Berrigan Shire Council
Active Ageing And Disability Inclusion Plan
Disability Inclusion Action Plan 2017 – 2021



Lions Club Reserve Aspiration

A park that can support both visitors, by encouraging them to break their trip, and community members, by facilitating events such as markets (or similar)

Current

The park land is well maintained with mown grass and a treed backdrop. There are however, no programmed activities or uses and infrastructure which no longer functions is having a negative impact on the parks impression and use. There is an asphalt path that connects to the other areas of the foreshore to the golf courses.

Issues

- Community members have identified the site as a possible location for markets/ car boot sales. No other location has been nominated in Barooga.
- Assets have been decommissioned for the park including a swing set and BBQ however, some elements remain and no new park program/activities has been supplied
- The road edge has informal parking which is encroaching on the park area
- The timber fence is tired and old. It is having a negative impact on the parks first impression
- There are no trees outside of the lagoon environment the park and Golf Course Road feels hot and exposed

Proposed

- Formalised parking on Golf Course Road - refer to Rest in Barooga for more information
- Street tree planting - Refer to Be Remembered for Your Trees for more information
- Park tree planting to shade the shared path
- Picnic shelter with BBQ and picnic tables
- Consider services to support community events including electricity, water and a drinking fountain
- Retain and protect lagoon vegetation
- Retain grass lawns in park

Further work

Further development of the event types and needs that can be hosted on this site should be included at the next stage of works

Outcomes

A flexible space which support small and large groups to use the space. It is easy to maintain.

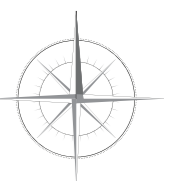


Project: Barooga Town Concept Plan
Sheet: **Foreshore**
Lions Club Reserve

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Revision: Draft | Drawn by: GC February 2018

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Collie Park Foreshore Aspiration

A park that is a destination for young families in the region and visitors

Current

Space is well maintained with mown grass and a treed backdrop however, there are no programmed activities or uses. The space is well connected to the Barooga Library. There is a gap in the path system that connects to the other areas of the foreshore to the golf courses. There is a plaque commemorating the landing of Captain Cook.

Issues

- The site has been identified by council as a preferred location for an Adventure Play Space
- The road edge has informal parking which is encroaching on the park area and interrupting the shared path areas
- The timber fence is tired and old. It is having a negative impact on the parks first impression
- There are no trees outside of the lagoon environment. The park and Golf Course Road feel hot and exposed
- There is a power pole and overhead power which connects to a service on the lagoon
- The adjacent library has toilets and a fenced early years play space
- There is a levee in the area which has been identified by Council as requiring future improvement

Proposed

- Adventure play space aimed at ages 5 - 12 which reflects the natural environment and provides opportunities for competition, co-operation and challenge
- Formalised parking on Golf Course Road and street tree planting - Refer to Be Remembered for Your Trees for more information
- Link the shared path system in the park and supply park tree planting to shade the path
- Picnic shelter with BBQ, picnic tables and a drinking fountain
- Retain and protect lagoon vegetation
- Retain grass lawns in park
- WiFi

Further work

Design, documentation and construction of an adventure play park

Outcomes

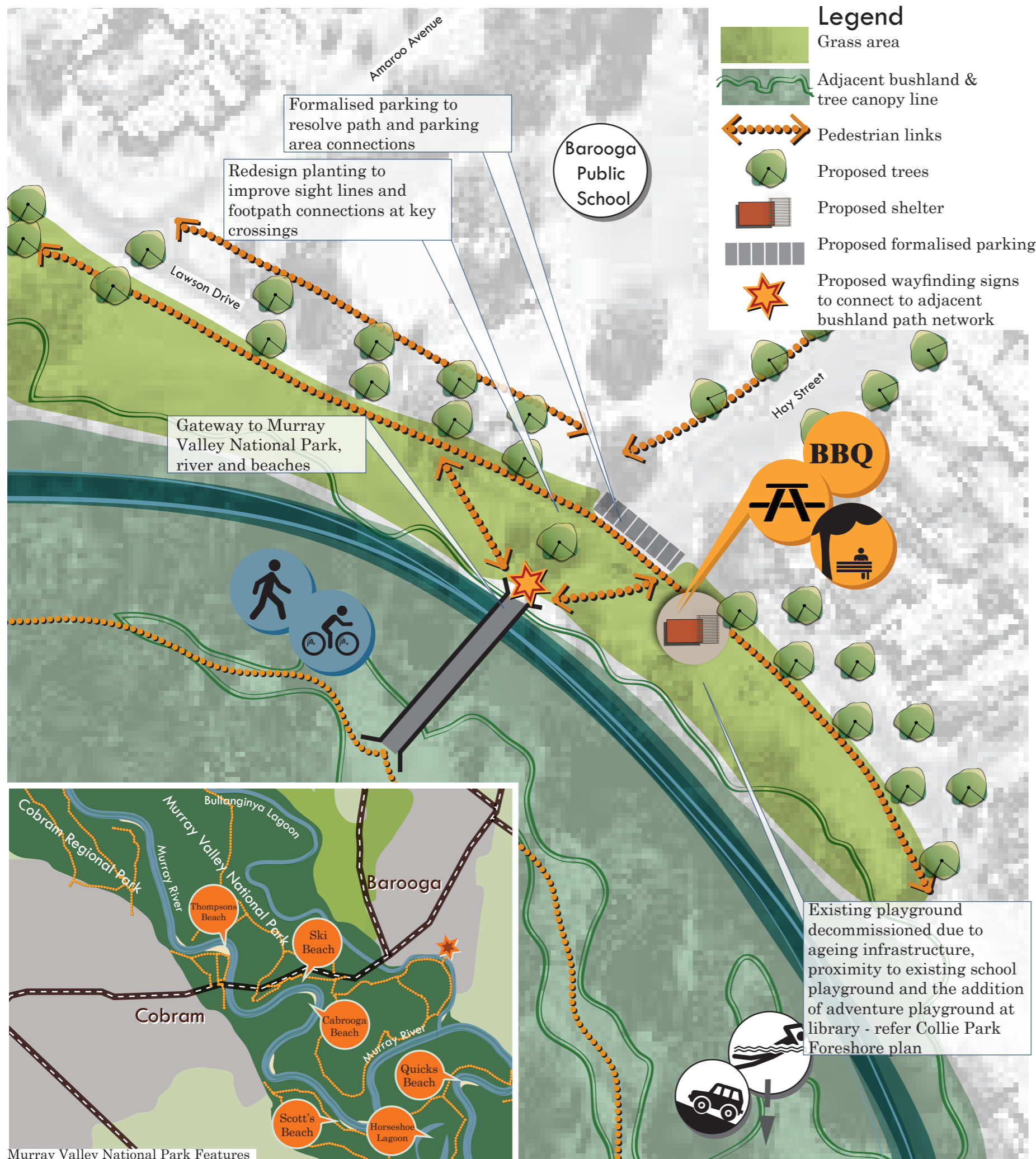
Interesting play for a broader range of age groups that supports young families in Barooga.



LM·LA

Project: Barooga Town Concept Plan
Sheet: Foreshore
Collie Park - Foreshore

Scale: 1:300 @ A3 | Designed by: CR August 2017
Revision: Draft | Drawn by: GC February 2018



Swing Bridge Park Foreshore Aspiration

A site which provides excellent connections to Barooga and eco tourism opportunities via the existing path network to the greater bushland area of the Murray Valley National Park

Current

Space is well maintained with mown grass with a treed backdrop. There is playground aimed at preschoolers and early primary children. The shared path is gravel in this area, with concrete connections to the swing bridge. Barooga Public School is on the other side of the road with very well kept grounds. The swing bridge connects Barooga directly to the Murray Valley National Park. The bridge is a gateway to the trail network that links to river beaches, campsites and provides active recreation opportunities.

Issues

- The playground and associated facilities are dated and reaching the end of their lifespan
- At the fenced playground, the path is separated from the road by a gutter and is likely to be used as car parking
- The timber fence is tired and old. It is having a negative impact on the parks first impression
- There are no trees outside of the lagoon environment the park feels hot and exposed
- The swing bridge is an excellent physical connection, however, the larger connections are not clear

Proposed

- Decommission the playground and facilities and replace with Picnic shelter with BBQ, picnic tables and a drinking fountain
- Wayfinding signage to show National / Regional Park including activities distances and destinations eg Fishing area = 650m or Ski Beach = 2.5 km walk
- Formalised parking on Lawson Drive and street tree planting - Refer to Be Remembered for Your Trees for more information
- Improve the surface quality of the shared path system in the park and supply park tree planting to shade the path
- Retain and protect lagoon vegetation
- Retain grass lawns in park

Further work

Design, documentation and construction of picnic area and wayfinding signage. Collaboration with Park Authorities.

Outcomes

Pedestrian / cyclist gateway to beaches and bush land area.

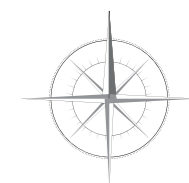


Project: Barooga Town Concept Plan
Sheet: **Foreshore**
Swing Bridge

Scale: 1:500 @ A3
Revision: Draft
Designed by: CR
Drawn by: GC
August 2017
February 2018

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Barooga Town Concept Plan
Action Plan
Final Draft

28/02/2018

Skills to undertake work	\$ Allowance	Project sub totals
Welcome to Our Town - Entry Signage	Sub total	\$ 90,000
	30% contingency	\$ 27,000
	Total	\$ 117,000

Form a Barooga Town Sign Working Group to: 1)Develop the theme and concept for the sign 2)Comment and contribute to the detailed design of the sign	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, willing to attend and participate in workshops and consultation, design ideas and branding knowledge	Internally undertaken by BSC	
Fabricator to produce shop drawings including structural engineering. Liaison /consultation with a Barooga Town Sign Working Group, Council and authorities inc RMS and LLS if required Project manage the fabrication and installation of the signs	Designing form, knowledge of fabrication, understanding of materials and installation, working in a collaborative design space with community Understand construction, able to liaise with fabricator, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	
Fabrication and installation <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation it assumes 3 signs to be installed only at a rate of \$30,000 per sign</i>	Signage fabricator / steel fabricator with skills in custom fabrication including large format vinyl printing, welding, attention to detail, able to transport and install		\$90,000 TBC when design is finalised in detailed Design

Be Remembered for your Trees		
Priority 1 - Wide Streetscapes works	Sub total	\$548,000
	30% contingency	\$164,400
	Total	\$712,400

Create base data locating driveways, services and pits, existing trees, services in wide street to inform tree planting Undertake detailed planting plans for wide Project manage the planting project including liaison with RMS, plant ordering and liaison with residents (excludes ongoing liaison with other authorities)	Understanding of tree planting and Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction	Internally undertaken by BSC \$12,000 \$4,000
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Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m =170 trees x \$200)

Note this figure is an allowance and tree removal will need to be quantified during detailed documentation.

There is a combined naturestrip area of approximately 16.8 linear km

Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400)

Note this figure is an allowance and assumes planting will need to be staged.

There is a combined naturestrip area of

Undertake planting of streetscapes

Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge

Setout of tree locations, minor adjustments base on site conditions,

Internally undertaken by BSC

\$84,000 TBC when design is finalised in documentation

\$448,000 TBC when design is finalised in documentation

Full length

16800 420 420 \$ 84,000.00

16800 1120 1120 \$448,000.00

Tree Removal @ \$200/tree - Planting @ \$400/tree

Priority 2 - Town centre

Sub total \$314,000

30% contingency \$94,200

Total \$408,200

Audit and prioritise other streets

Understanding of tree health and the desired outcome for Berrigan streetscapes, possible GIS data requirements

\$10,000 This number is approximate only, specialist input required. Cost is likely to vary from

Consult with the residents to choose tree species

Internally undertaken by BSC

Project manage the planting project including liaison with RMS, plant ordering and liaison with residents

Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction alterations

Internally undertaken by BSC

1200

Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m =170 trees x \$200)

Note this figure is an allowance and tree removal will need to be quantified during detailed documentation.

There is a combined naturestrip area of approximately 9.6 linear km

Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400)

Note this figure is an allowance and assumes planting will need to be staged.

There is a combined naturestrip area of

Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge

\$48,000 TBC when design is finalised in documentation

\$256,000 TBC when design is finalised in documentation

Full length

9600 240 240 \$ 48,000.00

9600 640 640 \$256,000.00

Undertake planting of streetscapes

Setout of tree locations, minor adjustments
base on site conditions,

Internally undertaken by
BSC

Tree Removal @ \$200/tree - Planting @ \$400/tree

Priority 3 - Town extents	Sub total	\$274,000
	30% contingency	\$82,200
	Total	\$356,200

Audit and prioritise streets Understanding of tree health and the desired outcome for Barooga streetscapes, possible GIS data requirements \$10,000 This number is approximate only, specialist input required. Cost is likely to vary from

Consult with the residents to choose tree species Internally undertaken by BSC 4.8 40

Project manage the planting project including liaison with RMS, plant ordering and liaison with residents Understand construction, able to liaise with nursery industry and contractors and authorities, able to remain true to the design intent during possible construction alterations Internally undertaken by BSC

Removal of trees identified as; past their useful lifespan, dangerous, impacting on services or sightlines. (assumes 1 tree every 40m = 170 trees x \$200) \$42,000 TBC when design is finalised in documentation

Note this figure is an allowance and tree removal will need to be quantified during detailed documentation.

There is a combined naturestrip area of approximately 8.3 linear km

8300 208 210 \$ 42,000.00

Supply and transportation of street trees (assumes 1 tree every 15lm = 453 new trees x \$400) Able to provide good quality stock, safely transport and support BSC with excellent plant knowledge \$222,000 TBC when design is finalised in documentation

Note this figure is an allowance and assumes planting will need to be staged.

There is a combined naturestrip area of

Full length 8300 553 555 \$222,000.00

Undertake planting of streetscapes

Setout of tree locations, minor adjustments
base on site conditions,

Internally undertaken by
BSC

Tree Removal @ \$200/tree - Planting @ \$400/tree

Vision for Vermont Street including Golf course Road intersection	Sub total	\$ 220,000
	30% contingency	\$66,000
	Total	\$286,000

Form a Vermont Street Working Group to comment and contribute to the detailed design of the plan Council - communication, consultation and facilitation, set rules of engagement Internally undertaken by BSC

Engage with trucking community and local committees to discuss project, outcomes and maintenance Community - connected to the Barooga community, /understanding of truck drivers needs, understanding of long vehicle needs, willing to attend and participate in workshops and consultation

Liaison with RMS		Internally undertaken by BSC	
Survey Vermont (and some of Golf Course Road)	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Concept and detailed design of Vermont Street including consultation with community, liaison with RMS and Council			\$10,000
Documentation of Vermont Street including consultation with community, liaison with RMS and Council			\$6,000 TBC when design of Vermont Street is finalised in detailed Design
Project manage the tender and construction Vermont Street streetscape	Understand construction, able to liaise with construction team, able to remain true to the design intent during possible construction alterations		\$4,000 TBC when design of Vermont Street is finalised in detailed Design
Construction of the Vermont Street <i>Note this figure is an allowance and is intended to set the brief for the rest stop detailed design and documentation</i>	Road construction, installation of furniture, tree planting, parking areas		\$200,000 TBC when design of Vermont Street is finalised in detailed Design, excludes civil works
Rest in Barooga			
Engage with trucking community and local committees to discuss project, outcomes and maintenance	Council - communication, consultation and facilitation, set rules of engagement	Internally undertaken by BSC	
Form a Barooga Rest Stop Working Group to comment and contribute to the detailed design of the Rest Stop and long vehicle parking area	Community - connected to the Barooga community, /understanding of truck drivers needs, understanding of long vehicle needs, willing to attend and participate in workshops and consultation,		
Liaison with RMS		Internally undertaken by BSC	
Nangunia Street Rest Stop			
	Sub total	\$	124,500
	30% contingency		\$37,350
	Total		\$161,850
Concept, detailed design and documentation of truck stop including consultation with Barooga Rest Stop Group			\$4,500
Survey truck stop and long vehicle site	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Project manage the tender and construction rest stop	Understand construction, able to liaise with construction team, able to remain true to the design intent during possible construction alterations	Internally undertaken by BSC	

Construction of the rest stop <i>Note this figure is an allowance and is intended to set the brief for the rest stop detailed design and documentation</i>	Road construction, installation of furniture,	\$120,000	TBC when design is finalised in detailed Design, excludes civil works, includes toilet block
Liaison with mural wall community stakeholders facilitate project	Communication, consultation and facilitation, set rules of engagement	Internally undertaken by BSC	
Undertake mural wall project with a professional artist	High quality artwork that reflects the Barooga Community	\$15,000	
Foreshore			
Form a Barooga Foreshore Working Group to comment and contribute to the detailed design of the park and associated elements	Council - communication, consultation and facilitation, set rules of engagement Community - connected to the Barooga community, willing to attend and participate in workshops and consultation,	Internally undertaken by BSC	
Lions Park including long vehicle parking		Sub total	\$ 164,000
		30% contingency	\$49,200.00
		Total	\$213,200.00
Undertake survey of Lions Park	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Detailed design and documentation of park - path, shelter, bbq , picnic furniture, parking area including consultation with a Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter design	\$12,000.00	
Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible	\$2,000.00	
Construction of the park including parking area and picnic shelter inc BBQ. <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct, able to install shelter	\$150,000.00	TBC when design is finalised in detailed Design, excludes civil works
Collie Park / Library Adventure Playground		Sub total	\$ 825,000
		30% contingency	\$247,500.00
		Total	\$1,072,500.00
Undertake survey of Collie Park / Library	Able to undertake accurate feature survey of visible features and provide as in a format that can be used by designers	Internally undertaken by BSC	
Detailed design and documentation of park and playground including consultation with Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter	\$60,000.00	

Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible	\$15,000.00	
Construction of the park including Regional play space, path network, basketball half court, upgrade to picnic tables and shelter <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct, experience constructed playgrounds and installing soft fall	\$750,000.00	TBC when design is finalised in detailed Design, excludes civil works

Swing Bridge Parkland	Sub total	\$	67,500
	30% contingency		\$20,250.00
	Total		\$87,750.00

Detailed design and documentation of park and shelter including consultation with Barooga Foreshore Working Group and Council	Good site design with understanding how to work with significant existing trees, knowledge of park furniture and shelter	\$5,500.00	
Project manage the tender and construction of the park	Understand construction, able to liaise with council and contractor, able to remain true to the design intent during possible	\$2,000.00	
Construction of the park including upgrade to picnic tables and shelter, demolition of existing play equipment, install signage <i>Note this figure is an allowance and is intended to set the brief for the park detailed design and documentation</i>	Landscape contractor or civil contractor with attention to detail, able to follow, set out and construct,	\$60,000.00	TBC when design is finalised in detailed Design, excludes civil works