

Issue —
For Information

Date —
January 2021

Project —
20.012

Flinders Ranges Streetscapes Masterplan

Prepared for Flinders Ranges Council

Issue —
For Information

Revision —
H

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Prepared For —



**The Flinders
Ranges Council**

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Introduction

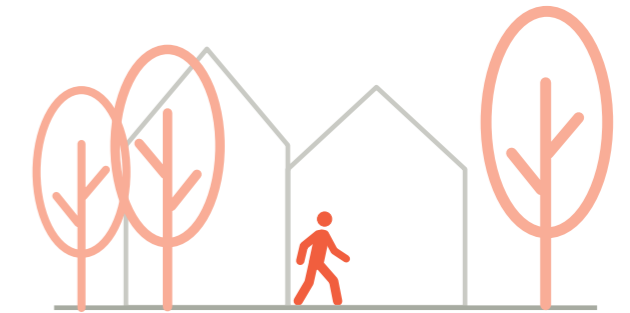


The Masterplans for Quorn, Hawker and Cradock are planning and design frameworks that describe a vision for the townships and provides a guide for future development over time. These townships are service towns for tourism, the community and local business.

This Masterplan retains the distinctive character of the townships as individual entities, whilst proposing new ideas and improvements that contribute to the attractiveness and function of the towns and the greater Flinders Ranges region.

Guiding Principles

A set of guiding principles provide the planning and design framework to guide and articulate a long term vision for Quorn, Hawker and Cradock.



Tourism + Economy

Providing attractive streetscapes brings incentive for visitors to interact with local businesses and stay longer. These townships are a key contributor towards the Flinders Ranges' and South Australia's tourism industry.

Identity + Character

Streetscapes reflect an identity of the Flinders Ranges and their townships. They are recognised for their character and sense of place. They celebrate the town's history and build on this heritage, protecting the past and building for the future.

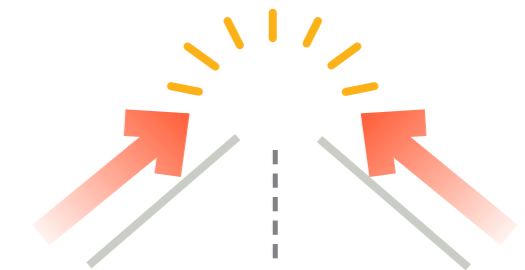
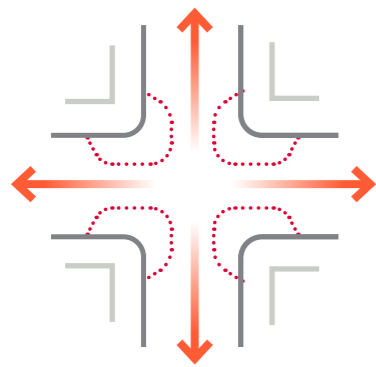
Looking to the future

Future proofing the Flinders Ranges streetscapes and their longevity is important. From material selection to design proposal all elements consider function and appearance well in the future.

Pedestrian Scale

Streetscapes are attractive and comfortable to use for pedestrians with a suitable scale to provide security and accessibility.

Design Approaches



Intersection re-configuration

- Pedestrian safety and accessibility is key.
- Selection of materials informs vehicles of a slow speed environment.
- Outdoor dining opportunities are improved.

Greening

- Footpaths have street trees to provide shade and for appearance.

Footpath treatments

- Footpaths are fully accessible / compliant for all users.
- In locations, wider footpaths allow for extension of dining outside.
- The street design maintains parking, existing kerbs and stormwater drainage where possible.

Gateway Entries

- Entry markers signify arrival at a township.
- Their conic and unique to each township, reflective of its identity and character.
- The entries are reinforced with planting.

Quorn

Masterplan

As a major township to the Flinders Ranges, Quorn provides a mixture of commercial and retail uses attracting tourists and providing facilities and services for local residents. The main streets, Railway Terrace and First Street, offer the opportunity to be utilised further to capture tourists travelling through and assist in boosting the town's economy.

The public realm comprises of footpaths in varying conditions, wide streets and an array of street furniture and signage. Overall the town suffers from a lack of legibility in drawing visitors into the town and having worn-out streets, reducing the length visitors stay.

Quorn can reinforce the town's reputation as a major destination and gateway to the Flinders Ranges. Through creating attractive streets people linger longer, interact with businesses, use accommodation and boost the overall economy to the town.



Key Moves

1 Gateways

- Entry / marker signage.
- Reconfigured intersection to Silo Road and Flinders Ranges Way. Prioritisation of right turn into Quorn for all traffic with Silo Road becoming a minor turn off (however still to remain as a heavy vehicle detour route).
- Trees and planting to reinforce an identity to the western arrival at Quorn (sightlines to railway crossing to be considered).
- Reconfigured T-junction at Railway Terrace + West Terrace (as per Traffic Management + Parking report by GTA Consultants) - Encourage traffic to travel through to Railway Tce rather than West Tce.

2 Railway Terrace Verge

- Formalised on-street carparking suitable for caravans + R.Vs.
- Consistent parking approach for all of Railway Tce (northern verge).
- Feature planting beds (bush tucker theme) with the incorporation of water sensitive urban design (WSUD) initiatives where achievable.
- Buffer and corner interface treatment to carpark on the corner of Railway Tce + West Tce.

3 Outdoor dining treatment

- In Sixth and Seventh St on First St extended protuberances allow for outdoor usage at key cafe locations and safer pedestrian crossings.
- Extended outdoor dining space on Railway Tce to the Criterion Hotel.
- All outdoor dining protuberances incorporate raised planters as pedestrian protection.

4 Footpath Treatment

- Progressive staged works of footpath upgrades to encourage walking.
- Upgrade to footpaths with exposed concrete and feature paving inlays, utilising a store of slate in Council storage.

5 Street Trees + Greening

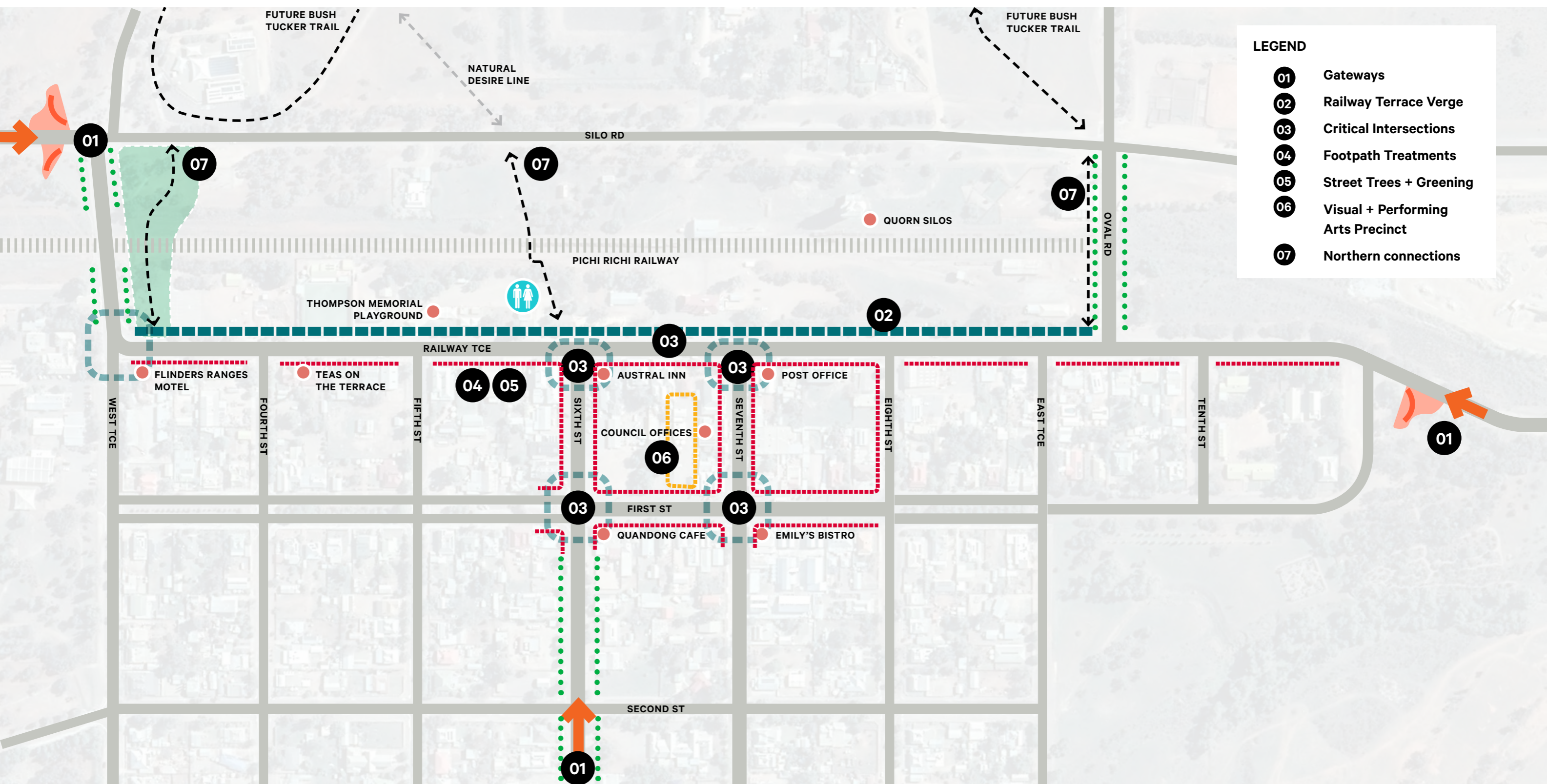
- Staged street planting to main streets.
- Street trees set in on roadways taking up one entire car parking bay to ensure safe clearances to adjacent parked vehicles.
- Priority street tree planting to the following streets:
 - Railway Terrace (south side extent)
 - Sixth Street
 - Seventh Street
 - Eighth Street
 - First Street (between Sixth + Eighth St)

6 Performing + Visual Arts Precinct

- A central hub precinct in Quorn.
- Disused space behind Council offices, transformed into a small public plaza for community events.
- A pedestrian link from Railway Tce through to First Tce.
- Opportunity for future commercial development and provide an improved community hub to Quorn

7 Northern Connections

- Formalised pedestrian link (Heysen Trail) across Railway line with insitu concrete.
- Feature planting to walkway.
- Formalised pathway to natural desire line between West Tce and Oval Road. To include at grade crossing across railway line (to be coordinated with SteamRanger).
- Formalised footpath to western verge of Oval Road. To connect into Bush Tucker Trail.
- Street tree planting to eastern verge of Oval Road.



LEGEND

- 01 Gateways
- 02 Railway Terrace Verge
- 03 Critical Intersections
- 04 Footpath Treatments
- 05 Street Trees + Greening
- 06 Visual + Performing Arts Precinct
- 07 Northern connections

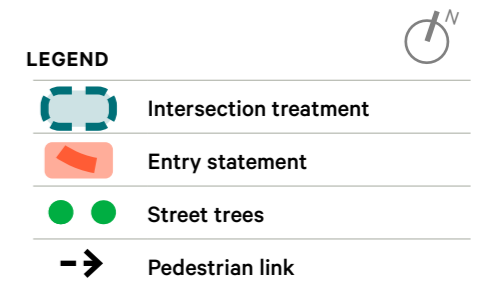
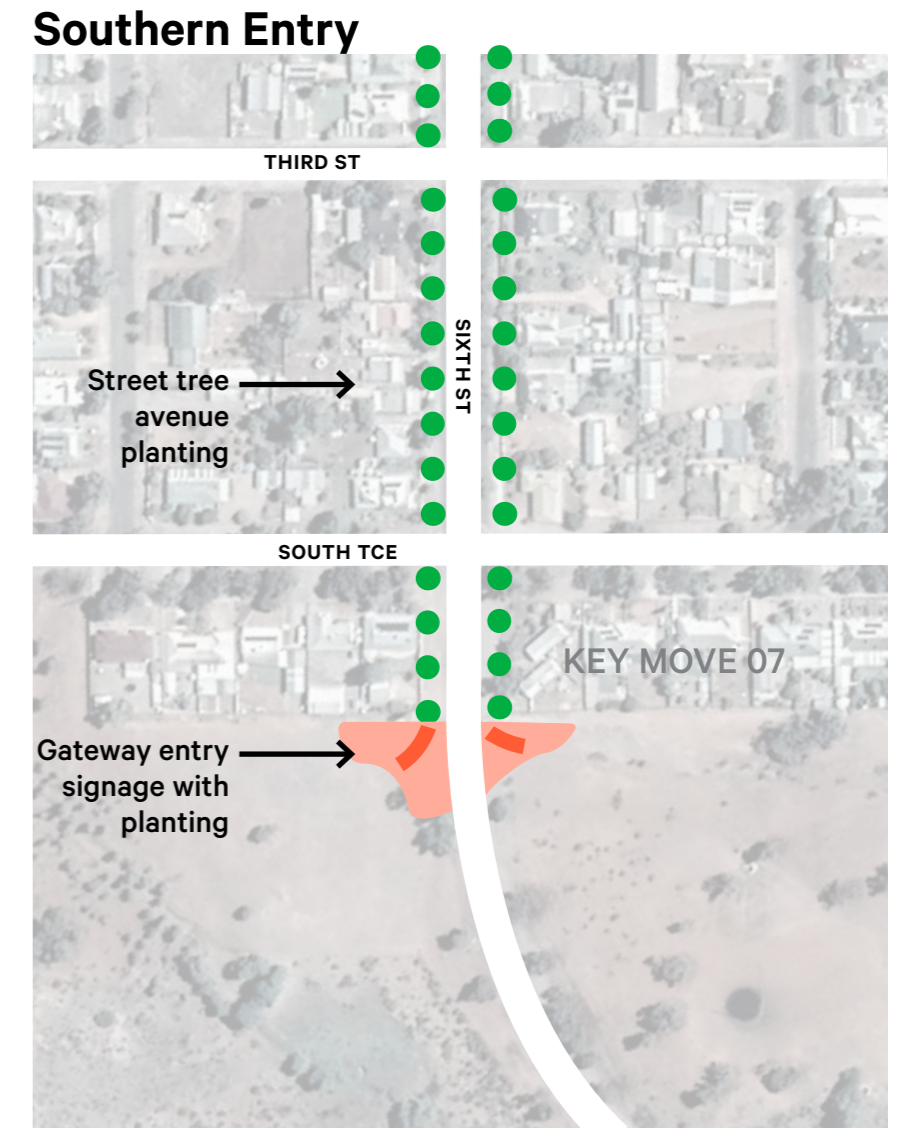
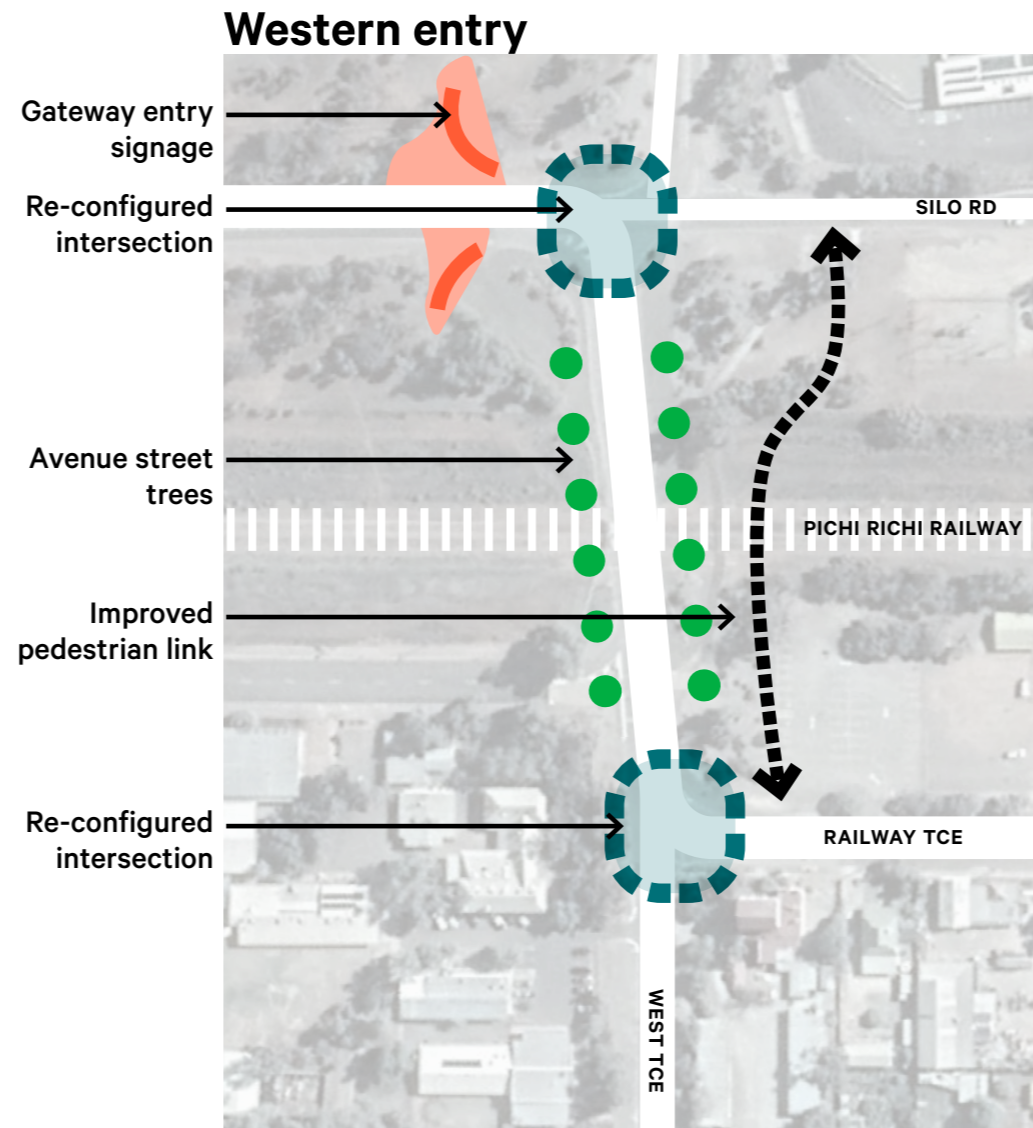
Key Gateways

Description:

- Gateway entry signage reflecting the identity and characteristics to Quorn.
- Avenue planting of distinctive trees and planting to reinforce an identity to the arrival at Quorn.
- Improved pedestrian link (Heysen Trail) across Railway line.

Notes:

- Suitable street trees and plant species to be investigated further with Council.
- Reconfigured intersection to Silo Road and Flinders Ranges Way. Prioritisation of the right turn into Quorn for all traffic with Silo Road becoming a minor turn off (to include 'Local Traffic Only' signage).
- Reconfigured T-junction at Railway Terrace + West Terrace (as per Traffic Management + Parking report by GTA Consultants) - Encourage traffic to travel through to RailwayTce rather than West Tce.



Railway Terrace Verge

Description:

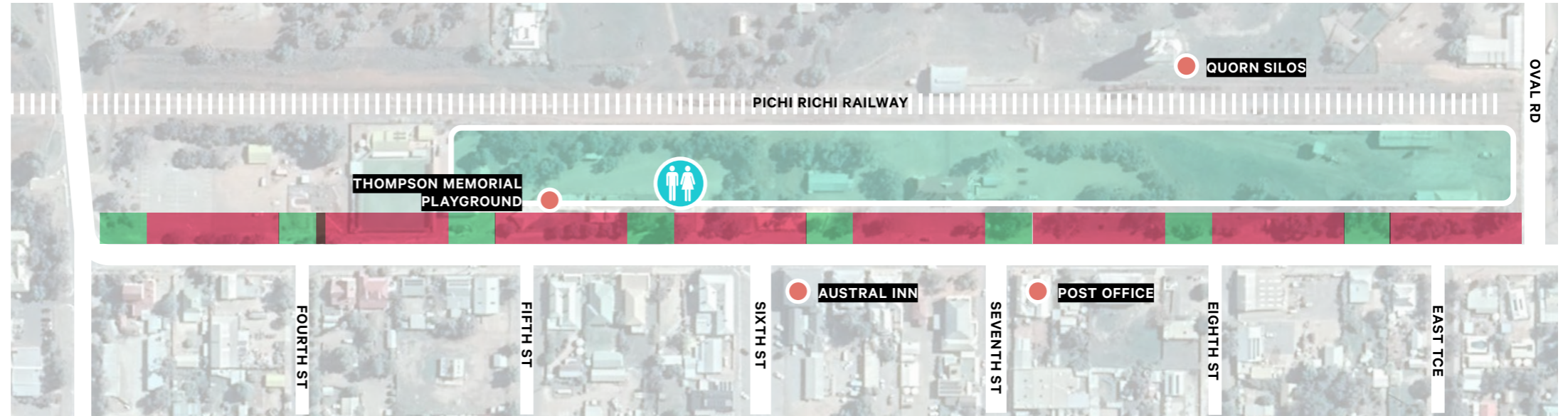
- Formalised on-street carparking suitable for caravans + R.Vs.
- Consistent parking approach for all of Railway Tce (northern verge).
- Feature planting beds (bush food theme) + build outs for pedestrian crossings.
- Detailed design / structure plan for reserve from West Tce to Oval Road.

Notes:

- Suitable street trees and plant species to be investigated further with Council.

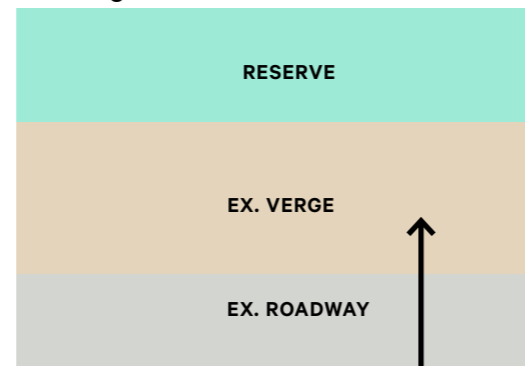
LEGEND

- Parking bay
- Build out
- ♂
♀ Public toilets



Typical verge treatment

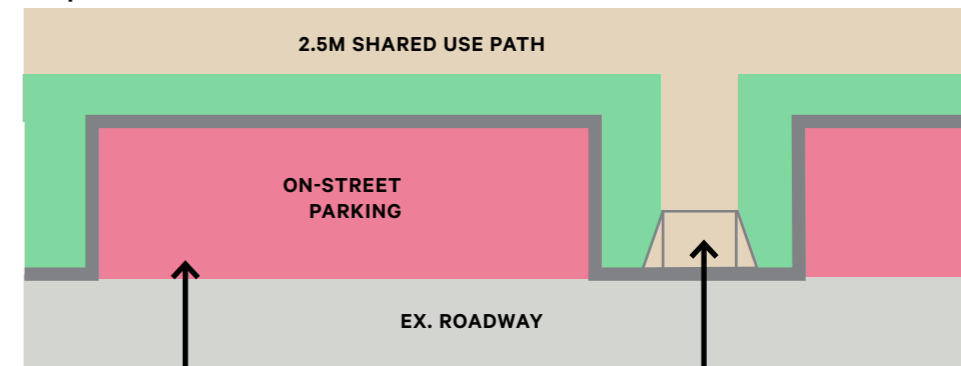
Existing



Informal gravel verge to edge of Railway Tce



Proposed (indicative)



Formalised parking bays. Suitable for caravans and R.Vs

Build outs for pedestrian crossing points and feature planting beds.



Artist's illustration

Railway Terrace + Fifth Street Intersection - Looking East



Existing view



Artist's illustration

Railway Terrace + Fourth Street Intersection - Looking East



Existing view



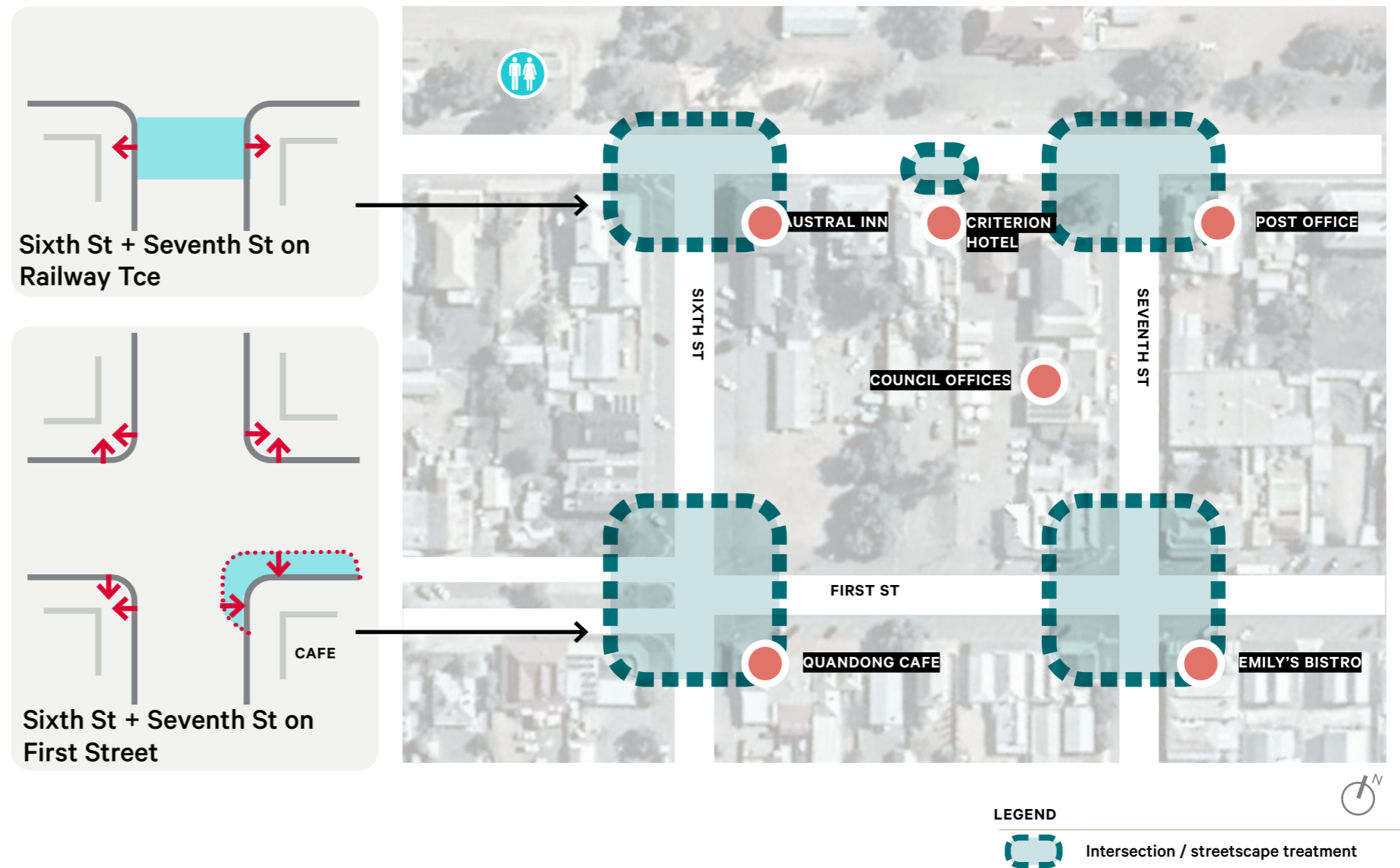
Outdoor Dining Treatment

Description:

- All four intersections to be reconfigured for safety and ease pedestrian access.
- In Sixth and Seventh St on First St extended protuberances allow for outdoor usage at key cafe locations and safer pedestrian crossings.
- Extended outdoor dining space on Railway Tce to the Criterion Hotel.

Notes:

- All intersections require traffic modelling to ensure all turning circles for suitable vehicles can be achieved.
- All outdoor dining protuberances incorporate raised planters as pedestrian protection.
- Previous Traffic Management + Parking Report to be considered in detailed design.



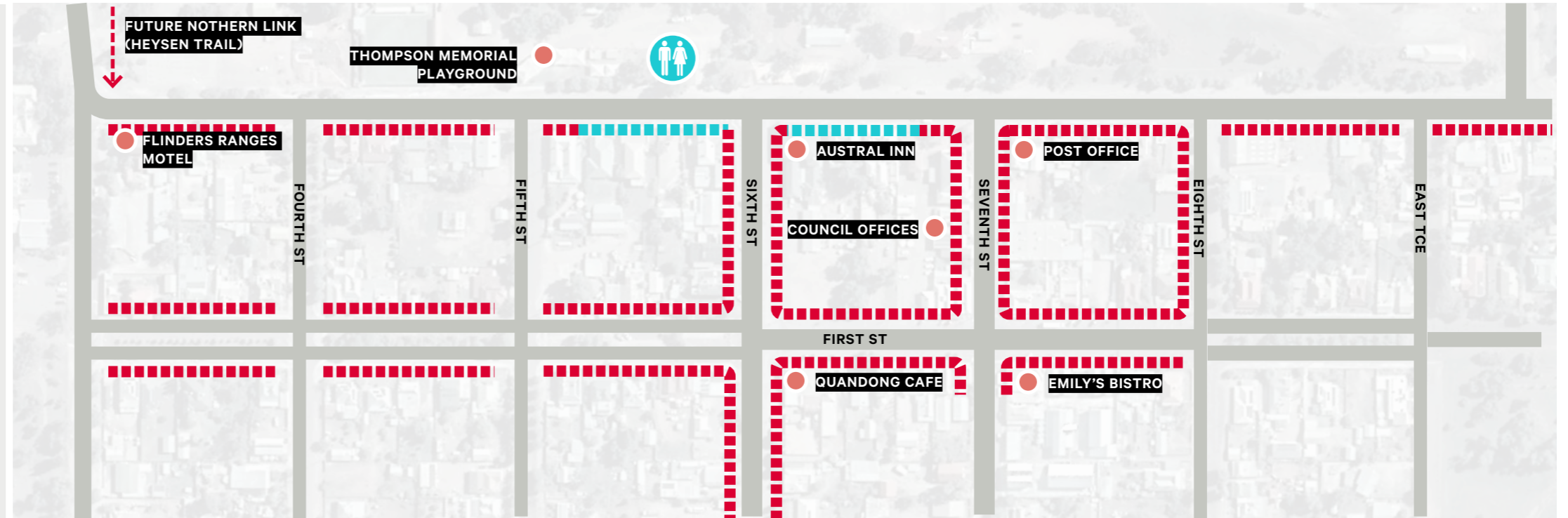
Footpath Improvements

Description:

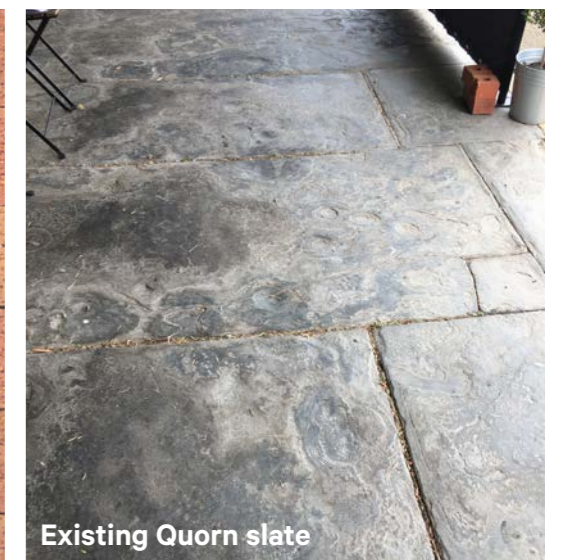
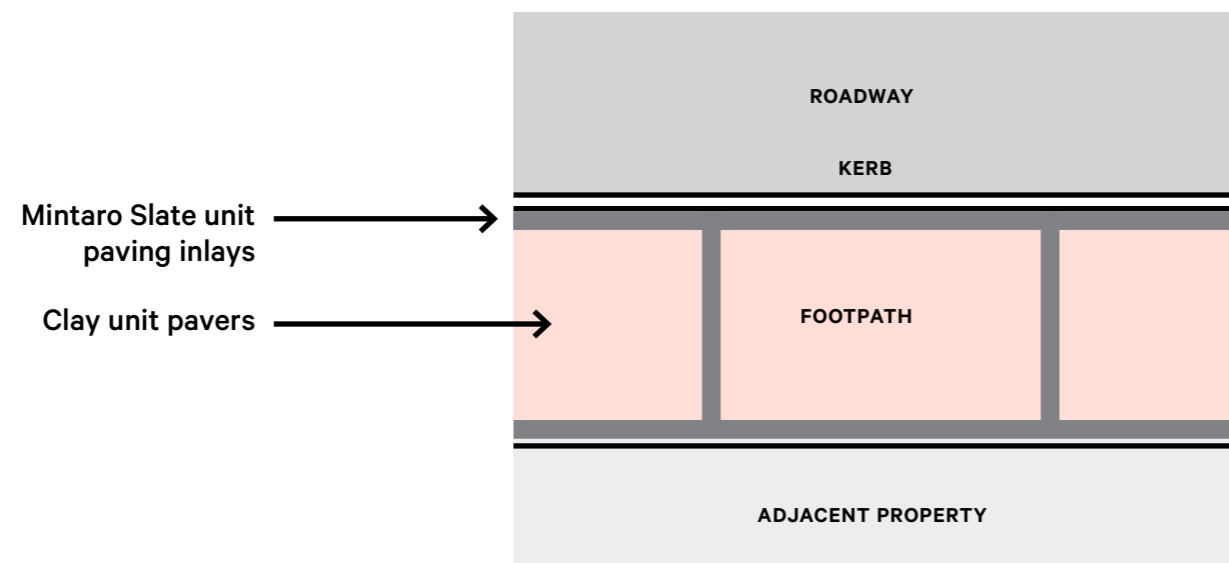
- Progressive staged works of footpath upgrades to encourage walking.
- Upgrade to footpaths with clay unit pavers and feature paving inlays, utilising current slate in Council storage.

Notes:

- Timing of footpath upgrades to be coordinated with critical intersection upgrades.



Quorn 'mainstreets' treatment



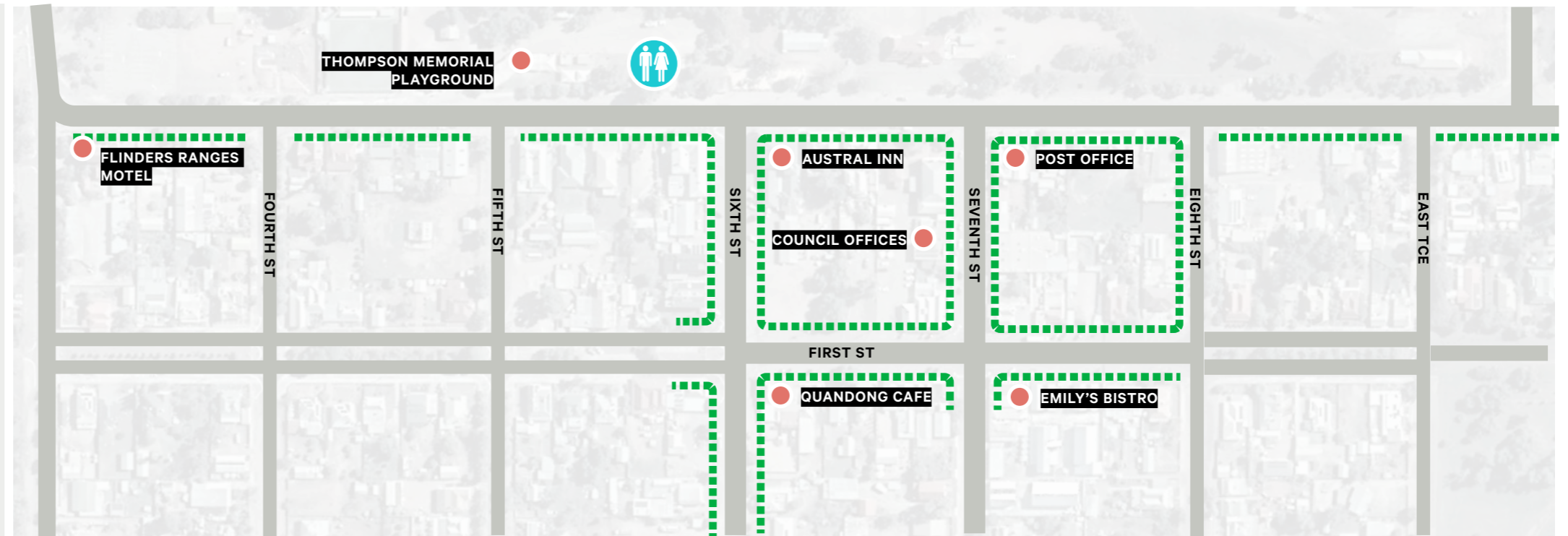
Street Trees + Greening

Description:

- Staged street planting to main streets.
- Street trees to be set in on roadways improving amenity and pedestrian scale.
- Priority street tree planting to the following streets:
 - Railway Terrace (south side extent)
 - Sixth Street
 - Seventh Street
 - Eighth Street
 - First Street (between Sixth + Eighth St)

Notes:

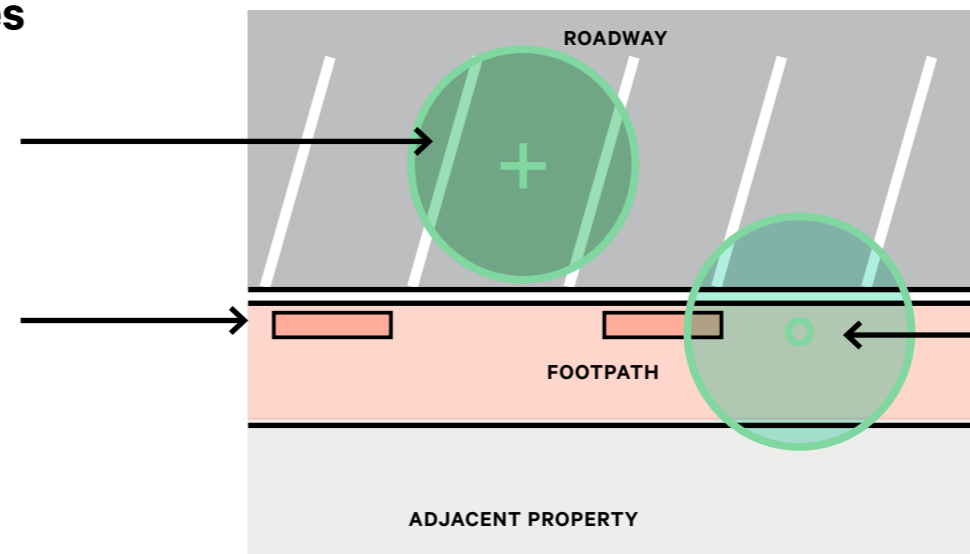
- Suitable street tree species to be investigated further with Council.
- Street tree planting approach to be implemented through the remaining Quorn township as ongoing works.



Quorn street tree + greening techniques

New street tree set in existing carparks. Parking bay removed, tree protected with tree guard for establishment.

Raised steel planters on high pedestrian use footpaths. Incorporation of grape vines adjacent existing verandahs.



Existing trees assessed on condition and removed as necessary.

LEGEND

Street tree extent

Public toilets

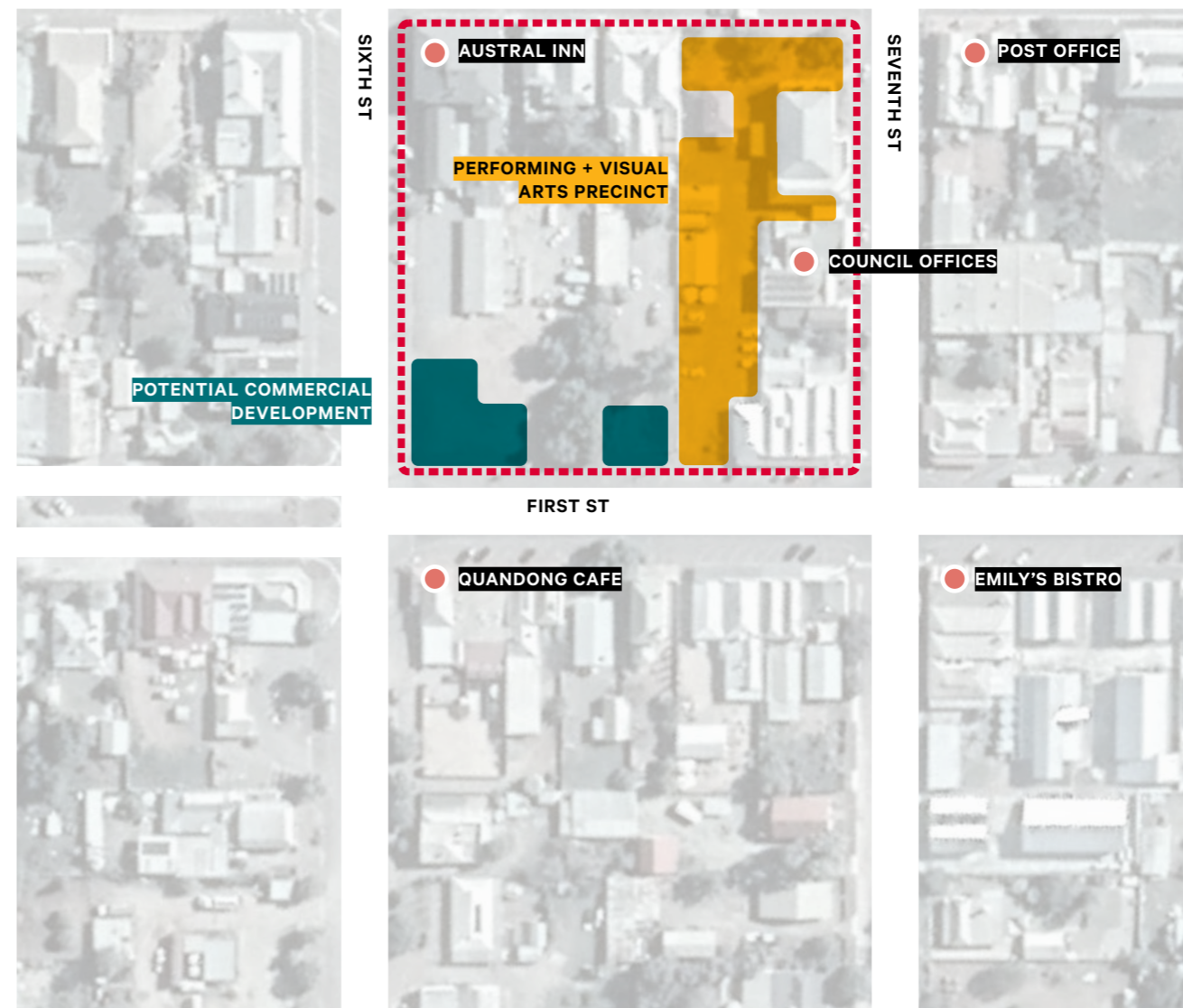
Performing + Visual Arts Precinct

Description:

- Reinforce a central hub precinct in Quorn.
- Disused space behind Council offices, transformed into a small public plaza for community events.
- Provides a pedestrian link from Railway Tce through to First Tce.
- Opportunity for future commercial development and provide an improved community hub to Quorn
- An iconic public art sculpture / item providing an identity to the precinct.

Notes:

- Plug and play facilities to be provided via GPO boxes at key locations.



Northern Connections

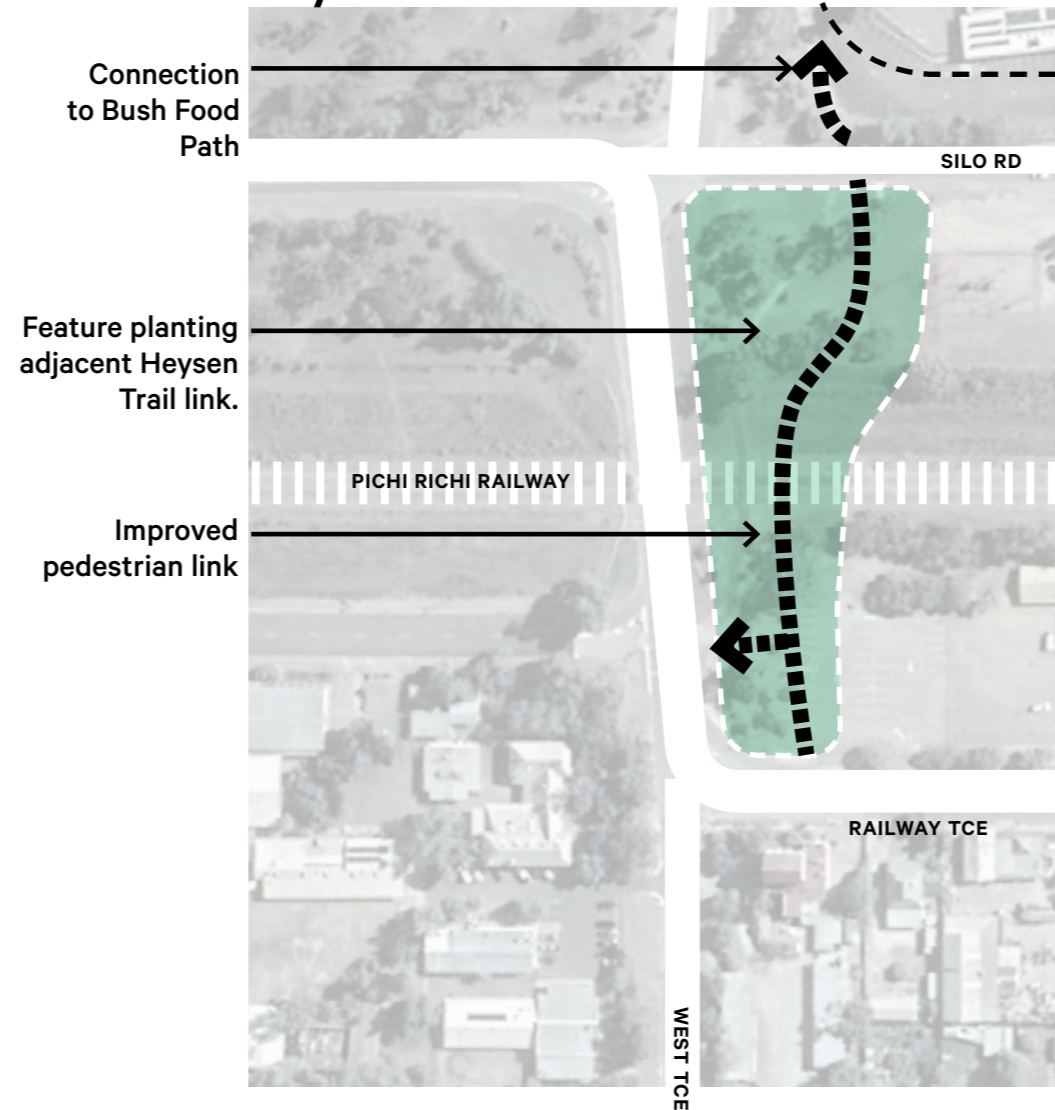
Description:

- Formalised pedestrian link (Heysen Trail) across Railway line with insitu concrete.
- Feature planting to walkway (low level - does not obscure sightlines).
- Formalised footpath to western verge of Oval Road. To connect into Bush Food Path north of Silo Road.
- Street tree planting to eastern verge of Oval Road.

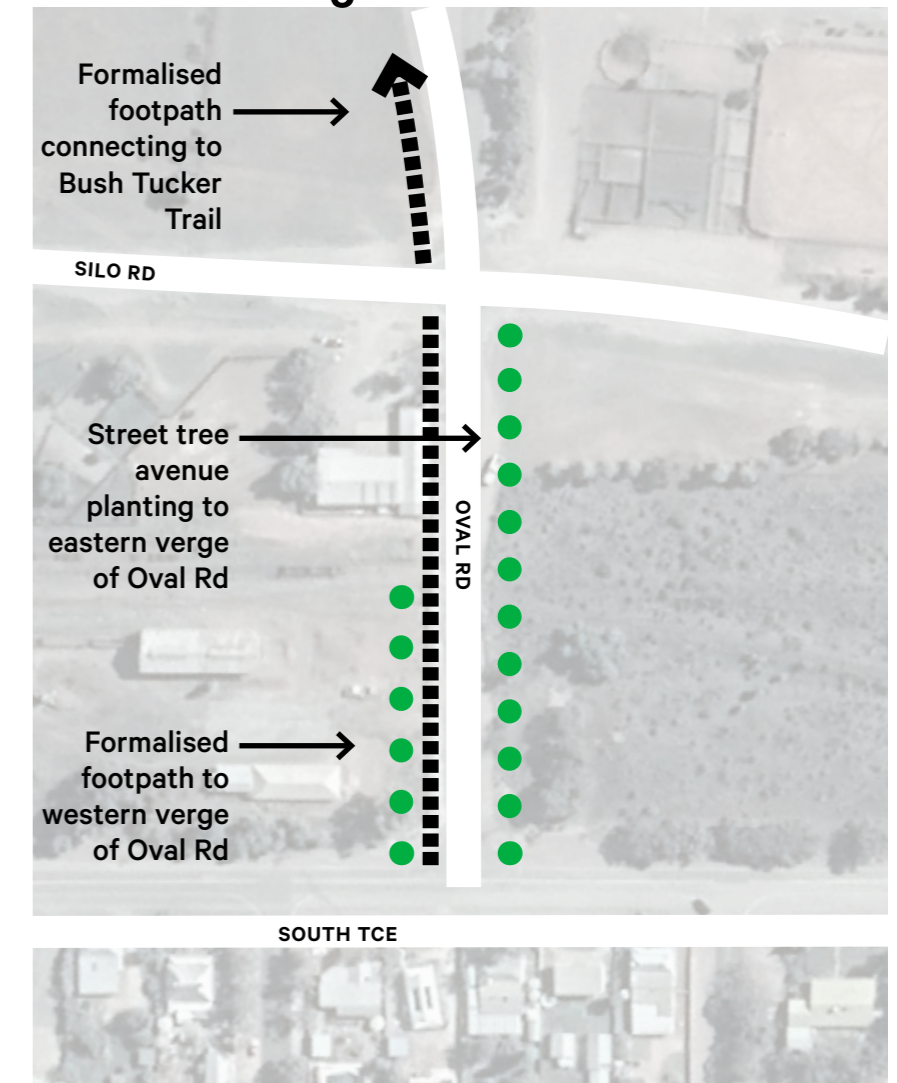
Notes:

- Ensure clear vehicle sightlines are maintained at Railway crossing (West Tce).

Heysen Trail



Oval Road verge



LEGEND

- Street trees
- > Pedestrian link
- Planting



Quorn staged works

The timeline adjacent is indicative and should be used as a reference in determining the likely staging of works. Multiple factors may influence the timeline. There will be subject to change depending on:

- The timing of future private development and the opportunity for joint partnerships to fund and construct the public realm.
- New funding opportunities that may arise.
- Council budgets and ongoing asset renewal plans.
- Community endorsement and support.

Stage	Elements	Timing (tbc)	Professional services	Cost
1. Railway Terrace Verge Northern Connections	<ul style="list-style-type: none"> — Footpath — Parking bays sealed + formalised — Planting Beds 	2020 - 2021	Landscape Architect Civil Engineer	\$480,000
2. Performing + Visual Arts Precinct	<ul style="list-style-type: none"> — Plaza space — Services e.g lighting + power 	2022	Landscape Architect Civil Engineer Structural Engineer	\$500,000
3. Gateways Signage	<ul style="list-style-type: none"> — Western Entry Sign — Wilmington Entry Sign (southern entry) — Eastern Entry Sign 	2022 - 2025	Landscape Architect Traffic Engineer Wayfinding Specialist	\$450,000
4. Key Intersections	Protuberances to: <ul style="list-style-type: none"> — Quandong Cafe — Emily's Bistro — any other significant dining spaces — Railway Terrace + Sixth Street intersection 	2021 - 2025	Traffic Engineer Landscape Architect	\$500,000
Incremental Works				
Footpaths	Priority streets: <ul style="list-style-type: none"> — Railway Terrace (south side extent) — Sixth Street — Seventh Street — Eighth Street — First Street (between Sixth + Eighth St) 	Ongoing works with one stage included in each years streetscape works.		\$80,000 / year
Street Trees + Greening	— As above	As above		\$15,000 / year

Hawker

Masterplan

As a gateway to the Flinders Ranges, Hawker provides a stopping point and opportunity to refuel for travellers coming from the north and south going through to Wilpena Pound and beyond.

Located adjacent The Outback Highway, traffic easily misses the town, reducing the number of potential visitors.

Through improving the presence of the town and its services along the Highway and supported with improved streetscape treatments such as street trees and paving, Hawker has the opportunity to reinforce its tourist potential for travellers.



Key Moves

1 Entry Amenity

- Existing planting to buffer reserves between The Outback Highway and Elder Terrace reinforced.
- Existing Council signage along The Outback Highway consolidated.
- Existing railway water tower to original condition (similar to Quorn tower) restored.
- Planting of trees and low shrubs to reinforce an identity to the Hawker gateway.
- Improved pedestrian amenity to the rest stop on Elder Terrace and provide new interpretive signage.
- Waste dump point relocated to north of the town.

2 Outback Highway Gateway Marker

- A set of unique gateway signs to Hawker from The Outback Highway.
- Viewed by both north and south bound traffic.
- Gateway markers are unique to Hawker and reflect the township's character and identity.
- Secondary signage capturing vehicle traffic prior to gateway markers.

3 Streetscape Treatment

- Elder Terrace intersection upgrade. Current spoon drains create issues with heavy / long vehicles.
- Footpaths upgraded with exposed insitu concrete and feature paving inlays - refer style guide.
- Improved verge treatments - compacted granulitic, timber edging and planting.
- Improved pedestrian accessibility and outdoor dining opportunities to Cradock Road intersection.

4 War Memorial + Dog Park

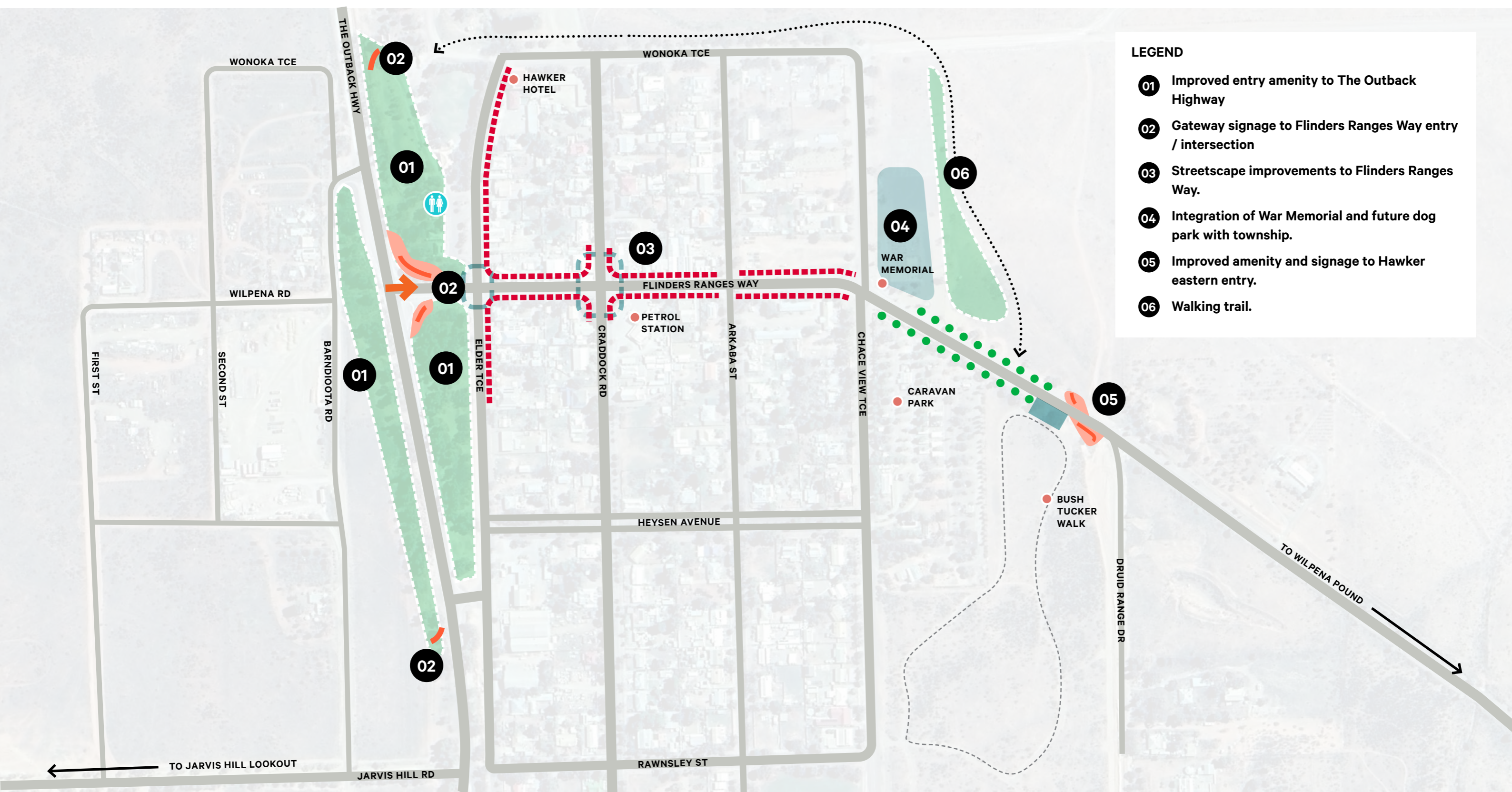
- Improved integration of the war memorial and dog park to mainstreet.
- Buffer planting to war memorial and future dog park.

5 Eastern Entry

- A set of distinctive gateway signs to Hawker from Flinders Ranges Way, viewed by east and west bound traffic.
- Gateway markers consistent in style to western entry markers.
- Street trees provide buffer to verges on entry / exit and caravan park fence line.
- Carpark provided to bush tucker trail.

6 Walking trail

- Expanded pathway from the existing bush food trail (north east of the caravan park).
- A connection through to Blue Burt Park Reserve achieved.
- Rest stops at key view points to the north west included.



- LEGEND**
- 01** Improved entry amenity to The Outback Highway
 - 02** Gateway signage to Flinders Ranges Way entry / intersection
 - 03** Streetscape improvements to Flinders Ranges Way.
 - 04** Integration of War Memorial and future dog park with township.
 - 05** Improved amenity and signage to Hawker eastern entry.
 - 06** Walking trail.

Improved Entry Amenity

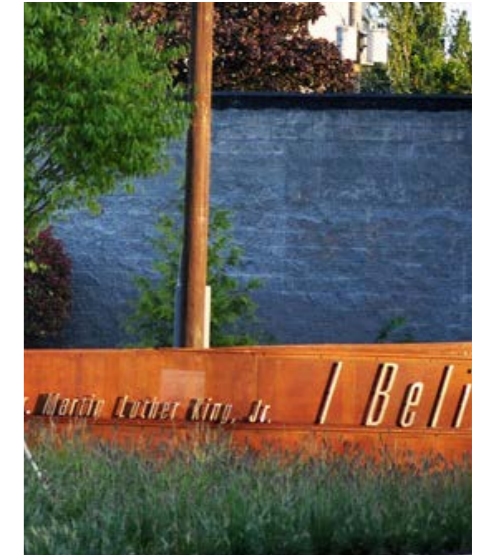
Description:

- Existing planting to buffer reserves between The Outback Highway and Elder Terrace reinforced.
- Existing Council signage along The Outback Highway consolidated.
- Existing railway water tower to original condition (similar to Quorn tower) restored.
- Planting of trees and low shrubs to reinforce an identity to the Hawker gateway.
- Improved pedestrian amenity to the rest stop on Elder Terrace and provide new interpretive signage.
- Waste dump point relocated to north of the town.

Iconic Gateway Marker

Description:

- A set of unique gateway signs to Hawker from The Outback Highway.
- Viewed by both north and south bound traffic.
- Gateway markers are unique to Hawker and reflect the township's character and identity.
- Secondary signage capturing vehicle traffic prior to gateway markers.



KEY MOVE 01

Artist's illustration

The Outback Highway - Looking South East

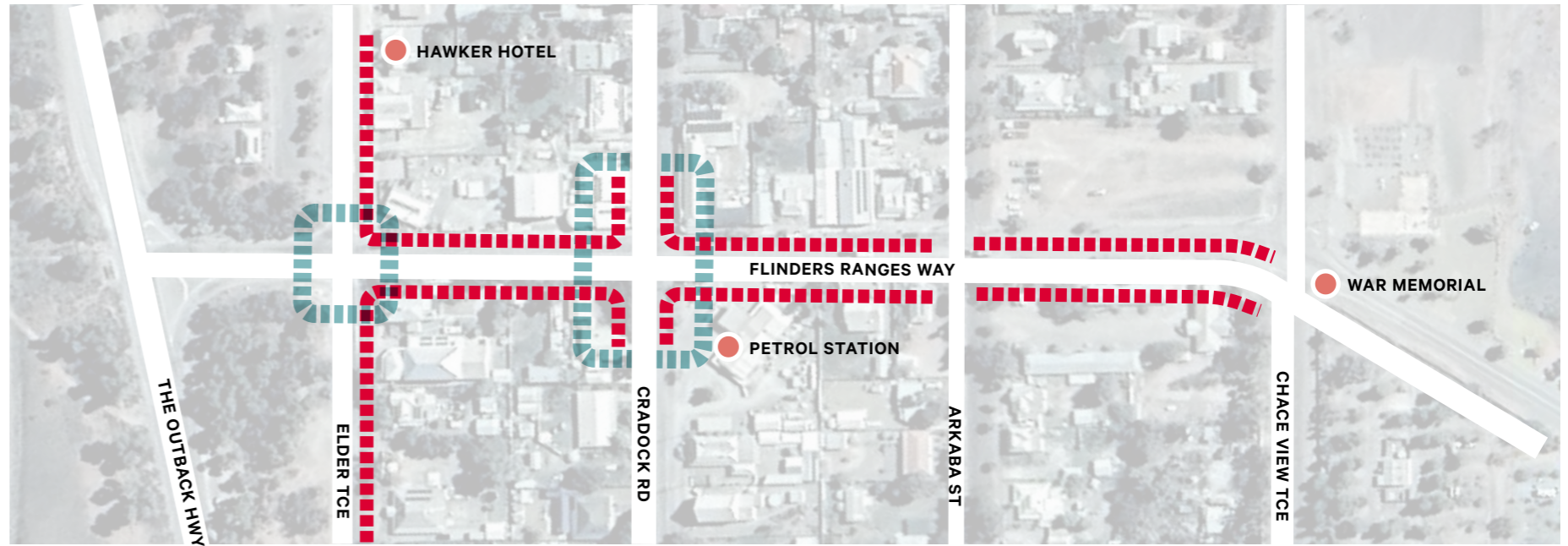
Existing view



Streetscapes Improvements

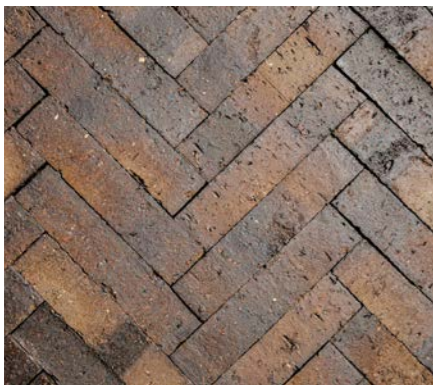
Description:

- Elder Terrace intersection upgrade. Current spoon drains create issues with heavy / long vehicles.
- Footpaths upgraded with exposed insitu concrete and feature paving inlays - refer style guide.
- Improved verge treatments - compacted granulitic, timber edging and planting.
- Improved pedestrian accessibility and outdoor dining opportunities to Cradock Road intersection.

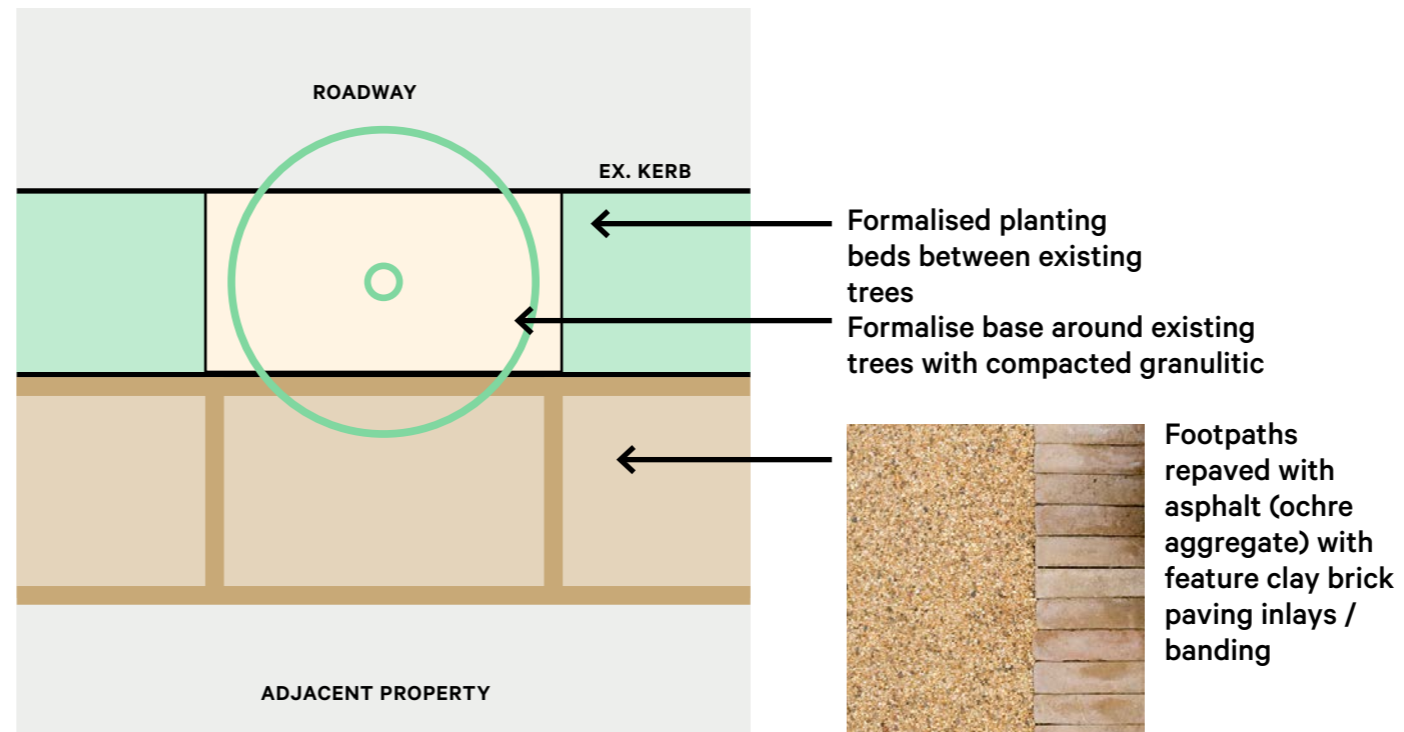


LEGEND

- Intersection treatment
- New streetscape treatment



Hawker Streetscape treatment



War Memorial + Dog Park

Description:

- Improved integration of the war memorial and dog park to the mainstreet. To include:
- Paved pedestrian footpath linking to the mainstreet.
- Safe and accessible pedestrian crossing over Chace View Tce.
- Clear direct signage.

Eastern Entry

Description:

- A set of distinctive gateway signs to Hawker from Flinders Ranges Way, viewed by east and west bound traffic.
- Gateway markers to be consistent in style to western entry markers (key move 01).
- Street trees to buffer verges on entry / exit.
- Carpark to future bush food trail.



Hawker staged works

The timeline adjacent is indicative and should be used as a reference in determining the likely staging of works. Multiple factors may influence the timeline. There will be subject to change depending on:

- The timing of future private development along Flinders Ranges Way and the opportunity for joint partnerships to fund and construct the public realm.
- New funding opportunities that may arise.
- Council budgets and ongoing asset renewal plans.
- Community endorsement and support.

Stage	Elements	Timing (tbc)	Professional services	Cost
1. Entry Amenity Gateway Markers	<ul style="list-style-type: none"> — Consolidation of existing signage. — Clean up of existing buffer planting — New planting to verges. — Main entry marker to intersection. — Entry marker to outskirts of the town (warning markers of entry) 	2020 - 2023	Landscape Architect	\$300,000
2. War Memorial + Dog Park	<ul style="list-style-type: none"> — Pedestrian link (gravel path) — Formalised paving around spaces — Buffer planting 	2022	Landscape Architect Civil Engineer	\$150,000
3. Eastern Entry	<ul style="list-style-type: none"> — Entry marker — Avenue tree planting — Feature planting around entry mark 	2023 - 2024	Landscape Architect Wayfinding Specialist	\$80,000
4. Walking Trail	<ul style="list-style-type: none"> — Paved walking trail around perimeter of town — Buffer planting to War Memorial + Dog Park 	2025 - 2026		\$430,000
Incremental works				
Streetscape Treatment	Priority streets: <ul style="list-style-type: none"> — Flinders Ranges Way (Wilpena Road) — Elder Terrace 	Ongoing works with one stage included in each years streetscape works.		\$50,000 / year



Cradock

Masterplan

As a small country town based on R.M. Williams Way, safety and access are critical. As a heavy freight route with an 80km/h speed limit, there is limited safety for pedestrian and those wanting to stop into the town.

With the local hotel as the attractor to visitors its frontage requires improvement to create a functional and safe environment. Through traffic slowing measures such as street trees and providing safer parking for vehicles, Cradock will offer a safe and secure town for residents and stop-over for travellers. Critically, further application should be made with DPTI to slow traffic within the town from 80km/h to 60km/h.



Key Moves

1 Tree Planting

- Infill buffer planting along R.M Williams Way
- Re-establish verge tree to Second Street and South Terrace.

2 Formalised Hotel Frontage

- A clear and legible space to the front of the hotel with clear parking areas and protection to pedestrians.

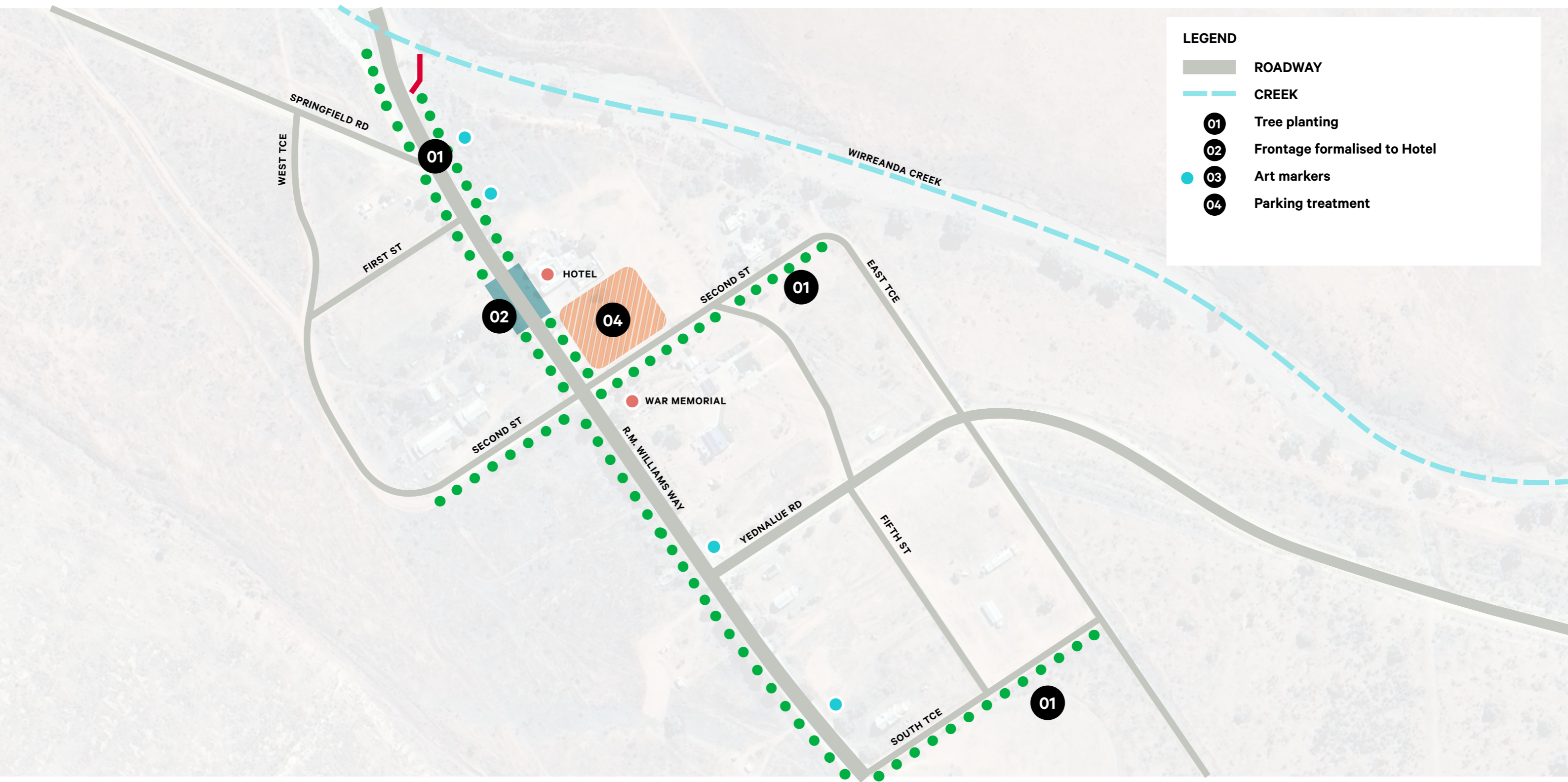
3 Art Markers

- Distinctive art pieces, creating curiosity to motorists passing by - traffic slowing.







4 Parking + Traffic treatments

- Clear parking spaces, sufficient in room for large vehicles with a buffer to the edge of the road.
- Improved treatment to truck parking areas, particularly a surface treatment to reduce excessive dust disruption to adjacent residents.





LEGEND

-  ROADWAY
-  CREEK
-  Tree planting
-  Frontage formalised to Hotel
-  Art markers
-  Parking treatment

Artist's illustration

R.M. Williams Way - Looking North



Existing view



Cradock staged works

The timeline adjacent is indicative and should be used as a reference in determining the likely staging of works. Multiple factors may influence the timeline. There will be subject to change depending on:

- The timing of future private development along R.M Williams Way and the opportunity for joint partnerships to fund and construct the public realm.
- New funding opportunities that may arise.
- Council budgets and ongoing asset renewal plans.
- Community endorsement and support.

Stage	Elements	Timing (tbc)	Professional services	Cost
1. Parking + Traffic Treatments	<ul style="list-style-type: none"> — Western road shoulder sealed with car park line markings adjacent the hotel. — Pedestrian warning signage to traffic. — Treatment to heavy vehicle parking area - south of the hotel. 	2020 2021 (coordination with DPTI)	Landscape Architect Civil Engineer	\$300,000
2. Formalised Hotel Frontage	<ul style="list-style-type: none"> — Paving and line marking to front of the hotel. — Improved pedestrian protection. — Traffic slowing elements. 	2022	Landscape Architect Civil Engineer	\$120,000
3. Art Markers	<ul style="list-style-type: none"> — 6 art pieces spread along the extent of the town strip. 	2023	Wayfinding Specialist	\$85,000
Incremental works				
Tree planting	<ul style="list-style-type: none"> — Infill buffer planting to the western verge. — Avenue street tree planting to the eastern verge. — Maintenance + watering 	Ongoing works with one stage included in each years streetscape works.		\$15,000 / year

Style Guide

Surfaces + Elements

A selection of surfaces and elements that are robust and enduring, also reflecting the character of the Flinders Ranges and the townships.



Quorn - Paving Type A

- Little Hampton Clay unit pavers
- Colour 'Old Red'
- Size: 50mm depth
- Pattern: Stretcherbond

Supplier

- Little Hampton Bricks



Hawker - Paving Type

- Little Hampton Clay unit pavers
- 'Startdust'
- Colour 'Ash'
- Size: 50mm depth
- Pattern: Stretcherbond

Supplier

- Little Hampton Bricks



F3 - Drink fountain

- Model: Apollo 280 with additional 'tap and dog bowl' add on
- Finish: Aluminium powder coated
- Colour: Dulux Duratec Eternity 'Bronze Pearl' – matte

Supplier

- Urban Fountains + Furniture



Quorn - Paving Type B

- Heritage slate paving.
- Retain and restore in current locations



F1 - Bench seat

- Model: Heritage Ballarat Seat
- Finish: Powdercoated
- Colour: Manor Red

Supplier

- Spark



F4 - Bin Enclosure

- Model: Mildura Bin
- Finish: Powdercoated
- Colour: Manor Red

Supplier

- Spark

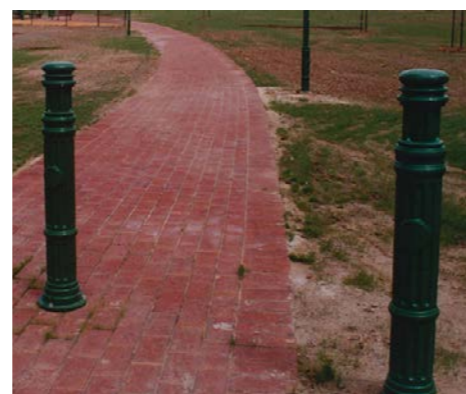


Quorn - Paving Type C

- In situ concrete, exposed aggregate
- Colour: Sandstone / limestone
- Finish: 1mm minimal reveal washed aggregate concrete, acid wash

Supplier

- Holcim, Boral or approved equivalent



F2 - Bollard

- Model: Forum Bollard
- Finish: Powdercoated
- Colour: Manor Red

Supplier

- Spark



F5 - Bike Rack - Bespoke

- Mild steel metal work
- Salvaged hardwood timber sleepers
- Salvaged railway line

Supplier

- Local artist

Street Trees

Refer to the Flinders Ranges Council Tree Management Policy for a full list of approved tree species for use. Locations of trees are to be confirmed through Council.



F6 - Raised Planter

- 6mm corten / mild steel raised planter.
- Decorative metal work to be included by artist.

Supplier

- Iguana Creative



F7 - Picnic setting

- Model: Heritage Ballarat Picnic Setting
- Finish: Powdercoated
- Colour: Manor Red

Supplier

- Spark



Eucalyptus salmonophloia

The Masterplan adopts a long term view that establishes a planting character intended to be sustainable in the long term. Street trees will play an important role in defining what Quorn, Hawker and Cradock are known and identified for. One of the objectives of the Masterplan is to strengthen the street by having healthy and attractive street trees.

OVER ARCHING TREE PLANTING STRATEGIES:

- Retain existing trees of value, supplementing these with new trees to replace trees that are in ill health or not long-lived.
- Plant for the future – species are chosen that are very long-lived.
- Make connections with adjacent open spaces and side streets to enhance pedestrian experience and character of key connections, particularly in Quorn along Railway Terrace and First Street.
- Plant trees in scale with street’s corridor and height of adjacent buildings.
- Provide a high quality growing environment.
- Select species with proven climate performance that will contribute to the development of a unique and iconic streetscape.



Eucalyptus populnea



Pittosporum angustifolium

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People, nature and space.

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