

**CENTRAL DARLING
SHIRE COUNCIL**

CENTRAL DARLING SHIRE STREETSCAPE UPGRADES WILCANNIA, MENINDEE, IVANHOE & WHITE CLIFFS

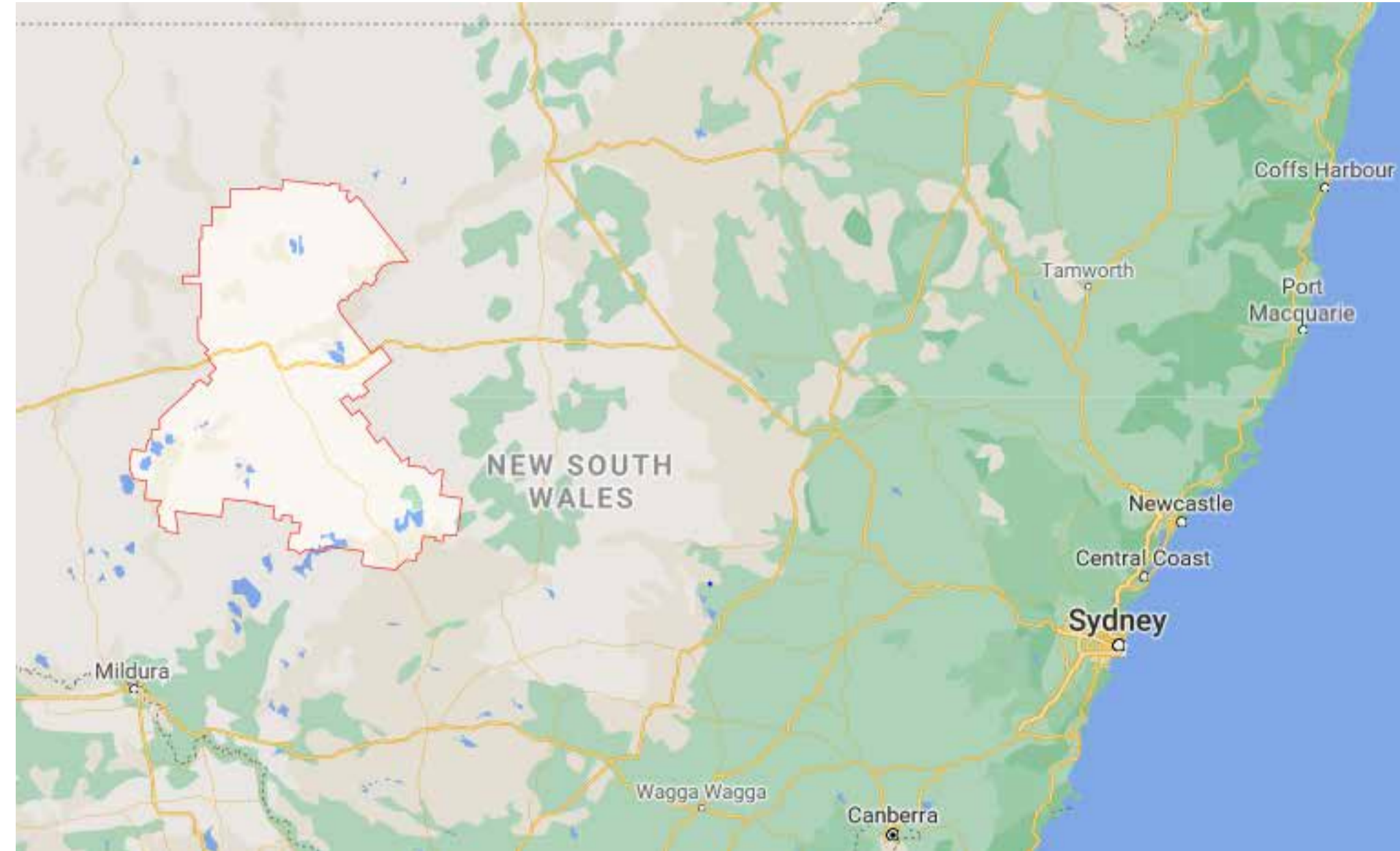


DOCUMENT HISTORY

| REV | DATE | AMENDMENT |
|-----|------------|--------------------|
| A | 14/04/2021 | Draft for review |
| B | 23/06/2021 | Revised for review |

CENTRAL DARLING SHIRE COUNCIL - PROPOSED STREETScape UPGRADES

STATE CONTEXT



BACKGROUND

Central Darling Shire is the largest Shire in NSW, however has the smallest population. This, combined with its remote location and the distances between town centres creates a number of challenges. The administrative centre of the Shire, Wilcannia is located on the Darling River, 560km west of Dubbo and 714km north east of Adelaide. Menindee, with the largest population in the Shire is located 150km south west of Wilcannia, and Ivanhoe on the Cobb Highway is located 182km south east of Wilcannia. White Cliffs is around 255 km northeast of Broken Hill, and 93 km north of Wilcannia.

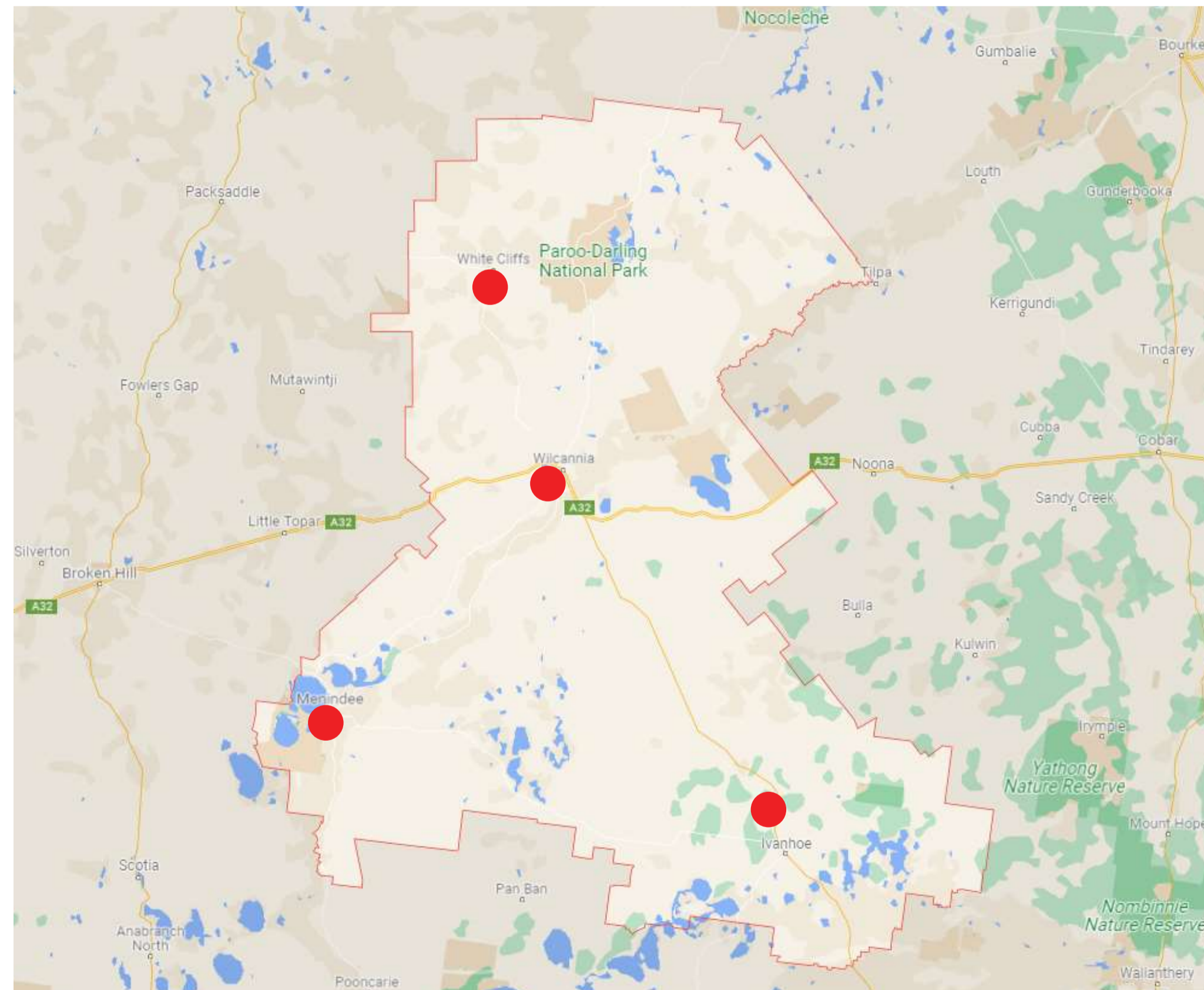
Aboriginal occupation by the Barkindji Tribe within the region can be traced back a long way, with significant sites at Lake Mungo to the south of Wilcannia and Mutawintji to the north-west. Archaeological finds within the dry sand dunes around Menindee Lakes have provided some of the earliest remnants of human existence anywhere in the world.

Opal was first discovered in White Cliffs in the late 19th century. The town boomed through to 1900 with numerous businesses and services in town. Other towns within the region sprung up during the early 20th century functioning as stops on the extensive paddle steamer trade route along the Darling River, and later the rail line. Wilcannia was the third largest inland port in the country during its 70 year peak from 1880. With rail and river trade ceased, towns and populations within the region have declined and employment opportunities have changed and reduced. Today agriculture is the primary source of income for a number of residents, whilst opal mining continues in White Cliffs, with tourism also playing an important role.

Central Darling Shire Council is looking to revitalise town centres within the region by carrying out streetscape works to improve the atmosphere of key streets and create a more appealing environment for residents and visitors. As a starting point for discussions with local communities this preliminary streetscape masterplan has been developed to identify existing site features and opportunities for improvement. This document is a working document, which will evolve as community consultation is undertaken and Council planning policies developed.

Site visits to three of the town centres within the Shire were undertaken in November 2020, with arborist assessment of street trees carried out in January 2021. A further site inspection was undertaken in June 2021.

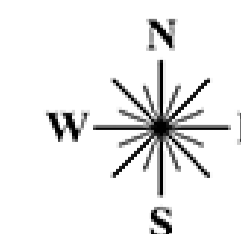
REGIONAL CONTEXT



KEY GOALS

The following key goals have been developed for street scape upgrade works:

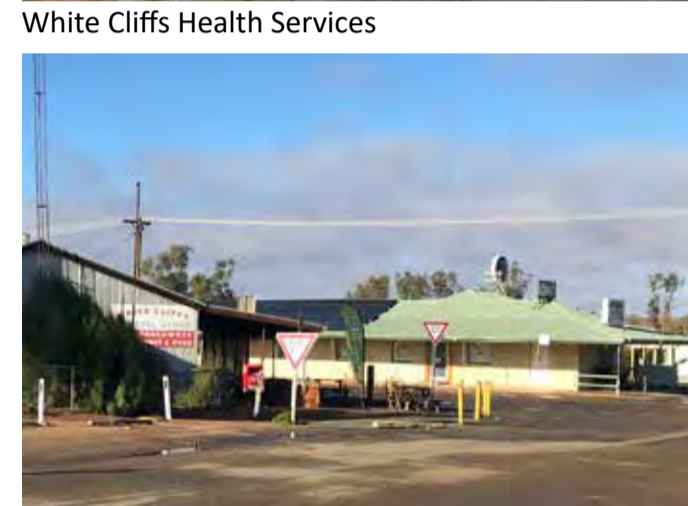
- Identify opportunities for greening and increased shade coverage
- Select drought resistant species for planting
- Improve appearance of selected key streets
- Carry out footpath restoration works to improve safety and make town centres more pedestrian friendly
- Create a holistic look for each town that suits local conditions
- Develop a consistent palette of materials and street furniture that suits the character of the area
- Improve tourist appeal and encourage visitors to stop in town centres



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WHITE CLIFFS TOWN CENTRE - SITE ANALYSIS

BUILDINGS AND FEATURES



National Park Visitor Centre

Town Hall

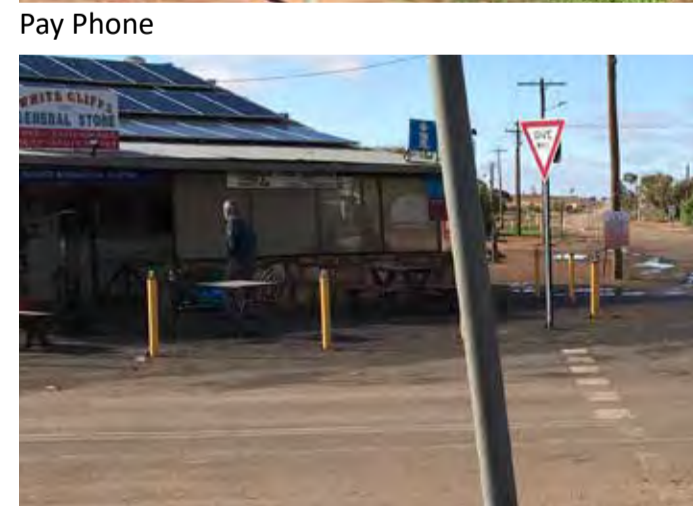
Anzac Memorial

White Cliffs Health Services

White Cliffs Public School

General Store & Hotel

EXISTING STREET FURNITURE & FEATURES



Rubbish Bin & Timber bollards

Timber Seat

Pay Phone

Wheel Stops

Bollard Type 2

Bollard Type 3

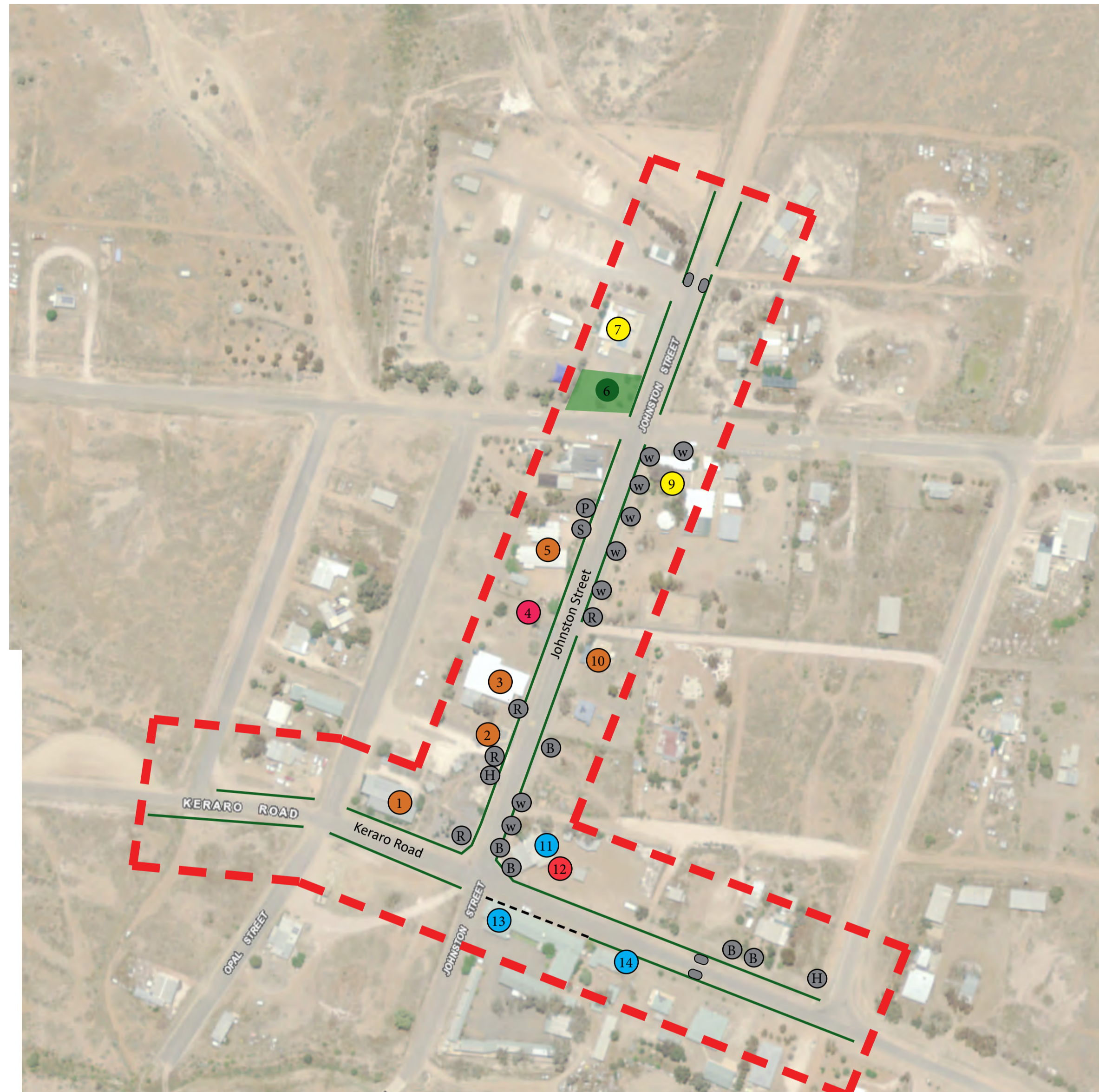
Wall artwork

Informative signage



Grass / gravel verges with no kerb

Grass / gravel verges with no kerb

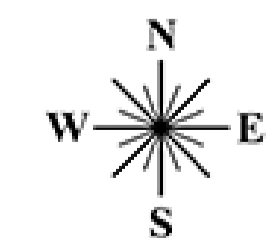


N
Not to scale

Locations of site features and existing trees indicative.

LEGEND

- Extent of study area
- ① National Park Visitor Centre
- ② Public Toilets
- ③ Town Hall
- ④ Anzac Memorial
- ⑤ White Cliffs Health Services
- ⑥ Opal Pioneers Reserve
- ⑦ Public Swimming Pool
- ⑧ White Cliffs Opal Pioneer Caravan Park
- ⑨ White Cliffs Public School
- ⑩ Country Womens Association
- ⑪ White Cliffs General Store & petrol
- ⑫ Wall Art
- ⑬ White Cliffs Hotel
- ⑭ Petrol point
- Existing grass / gravel verge, no kerb
- - - Concrete edge to Hotel acting as kerb
- Existing signage blister in road
- Ⓡ Existing rubbish bin
- Ⓢ Existing bench seat
- Ⓡ Existing bollards
- Ⓟ Existing pay phone
- Ⓦ Existing wheel stops
- Ⓜ Existing historical signage



CENTRAL DARLING SHIRE COUNCIL - PROPOSED STREETScape UPGRADES

WHITE CLIFFS TOWN CENTRE - STREET TREES

TREE ASSESSMENT

Electrical poles and overhead wires are located on the north side of Keraro Road and on the western side of Johnston Street. In both cases the road reserve/verge is wide, with no formal kerb and gutter system. Similarly footpaths are not formalised in the town.

There are no existing street trees in White Cliffs. Peppercorn trees planted on Keraro Road and Eucalyptus and Acacia trees within the CWA property boundary and adjoining the old post office building provide amenity and contribute to the streetscape.

Given the wide streets and lack of infrastructure opportunities exist on both sides of the street to introduce tree planting in blisters within the road shoulder. As per other town centres it is recommended that trees be protected by wheel stops.

EXISTING TREES



Schinus molle - Peppercorn Tree



Eucalyptus sp.



Acacia sp.



Not to scale

Locations of site features and existing trees indicative.

LEGEND

- Extent of study area
- Existing trees contributing to streetscape
- Indicative location of multiple overhead power lines
- Indicative location of single overhead power lines
- Indicative location of water supply

PROPOSED STREET TREE PALETTE



PROPOSED LARGE TREE OPTION
Eucalyptus populnea
Bimble Box



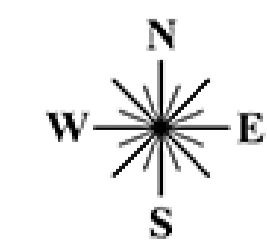
PROPOSED LARGE TREE OPTION
Eucalyptus coolabah
Coolabah



PROPOSED SMALL TREE OPTION
Eucalyptus erythrocorys
Red Capped Gum



PROPOSED SMALL TREE OPTION
Acacia aneura
Mulga



CENTRAL DARLING SHIRE COUNCIL - PROPOSED STREETScape UPGRADES

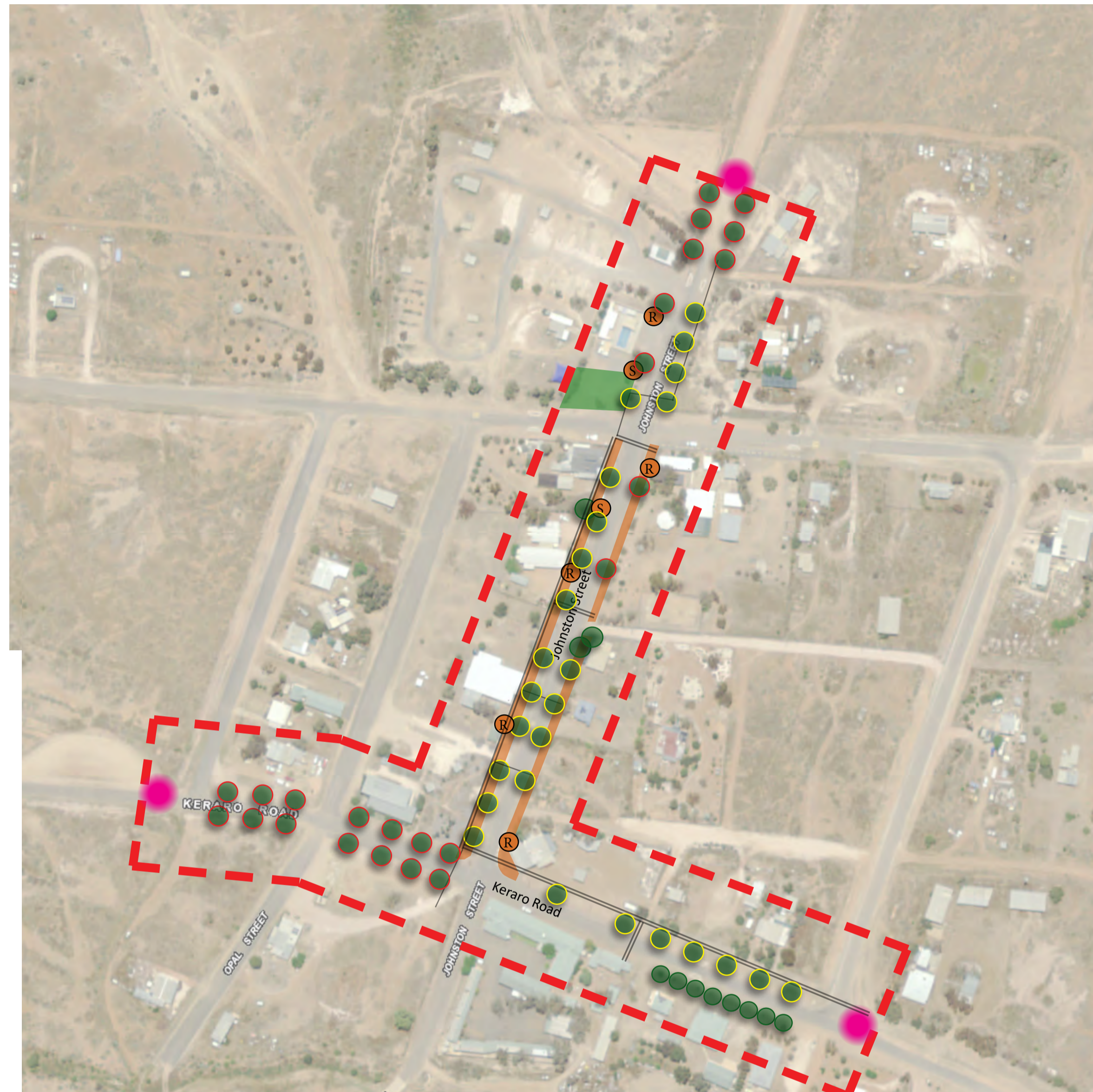
WHITE CLIFFS TOWN CENTRE - OPPORTUNITIES & CONSTRAINTS

ISSUES & CONSTRAINTS

- Summer temperatures are extreme limiting use of outdoor facilities
- No existing street trees to provide shade during temperature extremes
- Limited water supply for town may limit watering opportunities
- Locations of overhead power lines restrict proposed locations for street trees and/or limit size of trees to be planted
- Dry and hot conditions limit the types of suitable street tree species
- Lack of street infrastructure such as driveway cross overs, footpaths, kerbs and gutters
- Street furniture in poor condition
- Wheel stops within town in poor condition and unsightly
- Works to be carried out progressively, prioritised list of proposed works to be developed

OPPORTUNITIES

- Wide road reserves allow for additional street tree plantings
- Plant smaller tree species under existing power lines
- Plant larger tree species in the road shoulder / grass verges
- Install pavement to Johnson Street frontages from Keraro Road to the Public School, consider dish drain to kerb edge
- Remove existing wheel stops and assess requirement for kerb or updated wheel stop solution
- Formalise driveway crossovers and limit bollard usage to a consistent type where required
- Introduce consistent street furniture pallet
- Identify opportunities for additional street furniture in shade
- Consolidated and update informative signage design across town / shire and consider digital access
- Engage with local community to implement street art / public art strategy
- Create sense of arrival via additional entry features at gateway points to town such as feature trees or sculpture

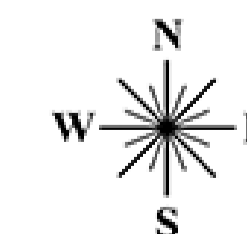


N
Not to scale

Locations of site features and existing trees indicative.

LEGEND

- Extent of study area
- New small tree under / near wires
- New large tree planting in road shoulder
- Existing tree to be retained
- New paved footpath
- New rubbish bin
- New seating
- Opportunity for feature entry such as
 - Feature trees
 - Sculpture by local artists
- Indicative location of overhead power lines



CENTRAL DARLING
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barnson
DESIGN . PLAN . MANAGE

CENTRAL DARLING SHIRE COUNCIL - PROPOSED STREETScape UPGRADES

PROPOSED STREET FURNITURE PALETTE & PAVING



Proposed street bench and seat options - Draffin Street Furniture
Hobart / Hamilton Range
Corten / weathering steel frame
Timber or timber look aluminium battens



Central Darling Shire Bin Enclosures
Stainless steel frame, Corten / weathering steel panels



Water fountain - Street Furniture Australia
Arqua Fountain - Stainless steel



Tree planting to road shoulder
Concrete kerb protection



Tree Guards - Draffin Street Furniture
Corten / weathering steel



White Cliffs
Timber bollard to match existing
or Vivid Bollard



Proposed Table Setting - Draffin Street Furniture
Brisbane Table Setting
Stainless Steel
Timber or timber look aluminium battens



Tree Surround Option
Resin Bonded Gravel



Tree Surround option - Tree grates
Stainless Steel

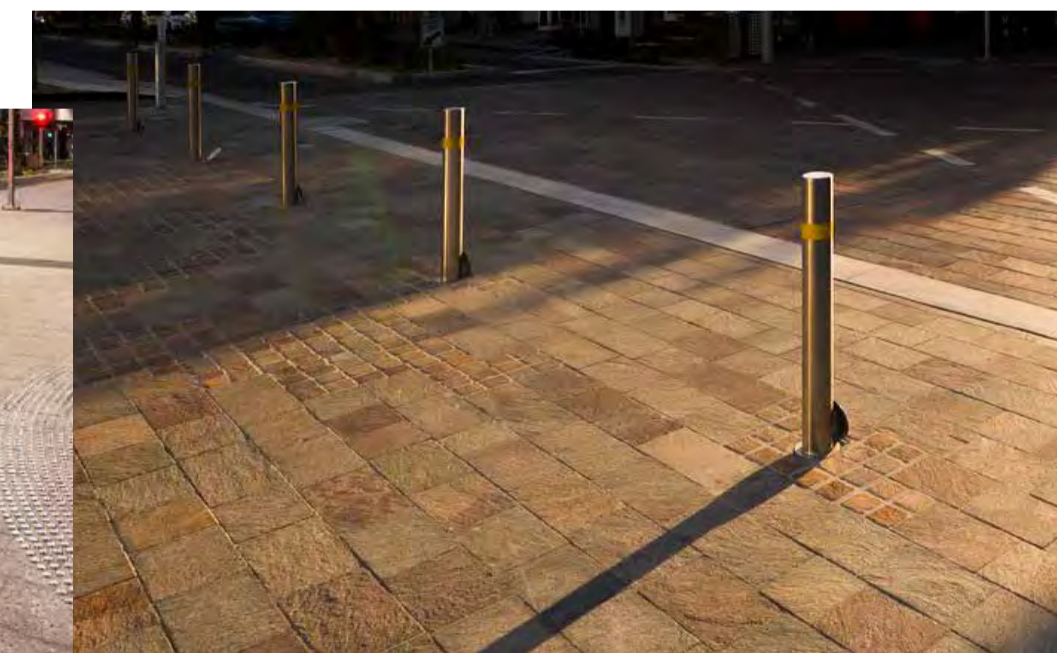
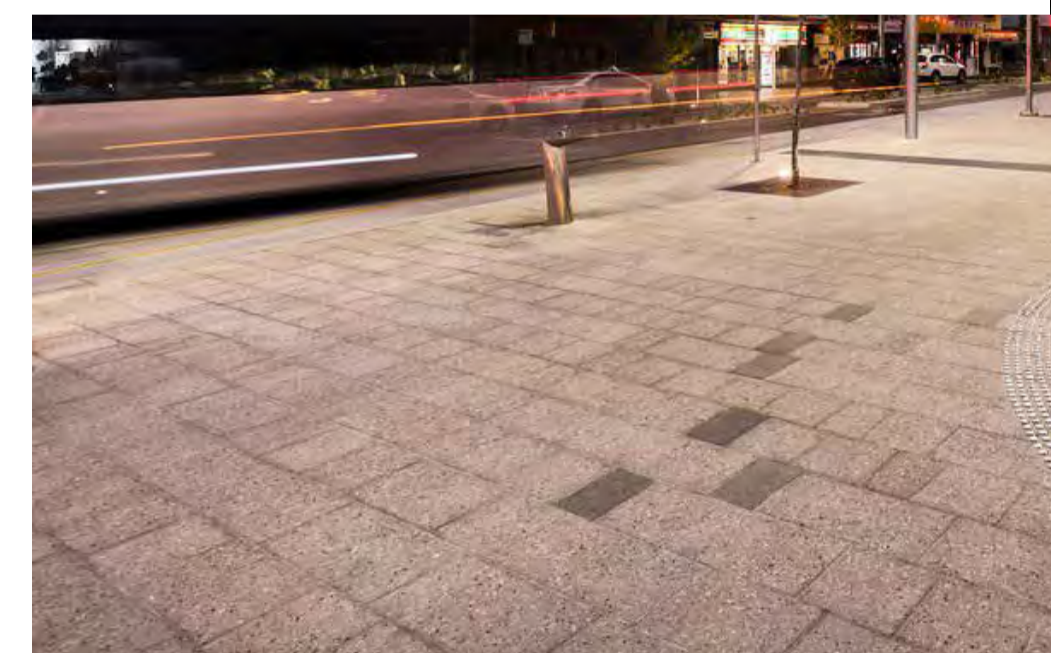


Paver Option - Adbri Masonry
HAVENSLAB® 50 - Oatmeal & Charcoal
Concrete Unit Paver

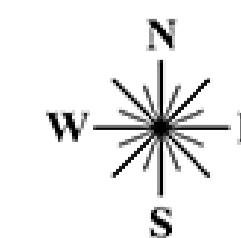


Paver Option - Australbrick
Earth Range
Straw

Paver Option - Australbrick
London Dry Pressed Paver
Maple



Wilcannia Paver Option - UrbanStone
200 x 300 / 200 x 200 / Cobble
Western Cream
River Topaz
Silver Grey
Engineered Stone Paver



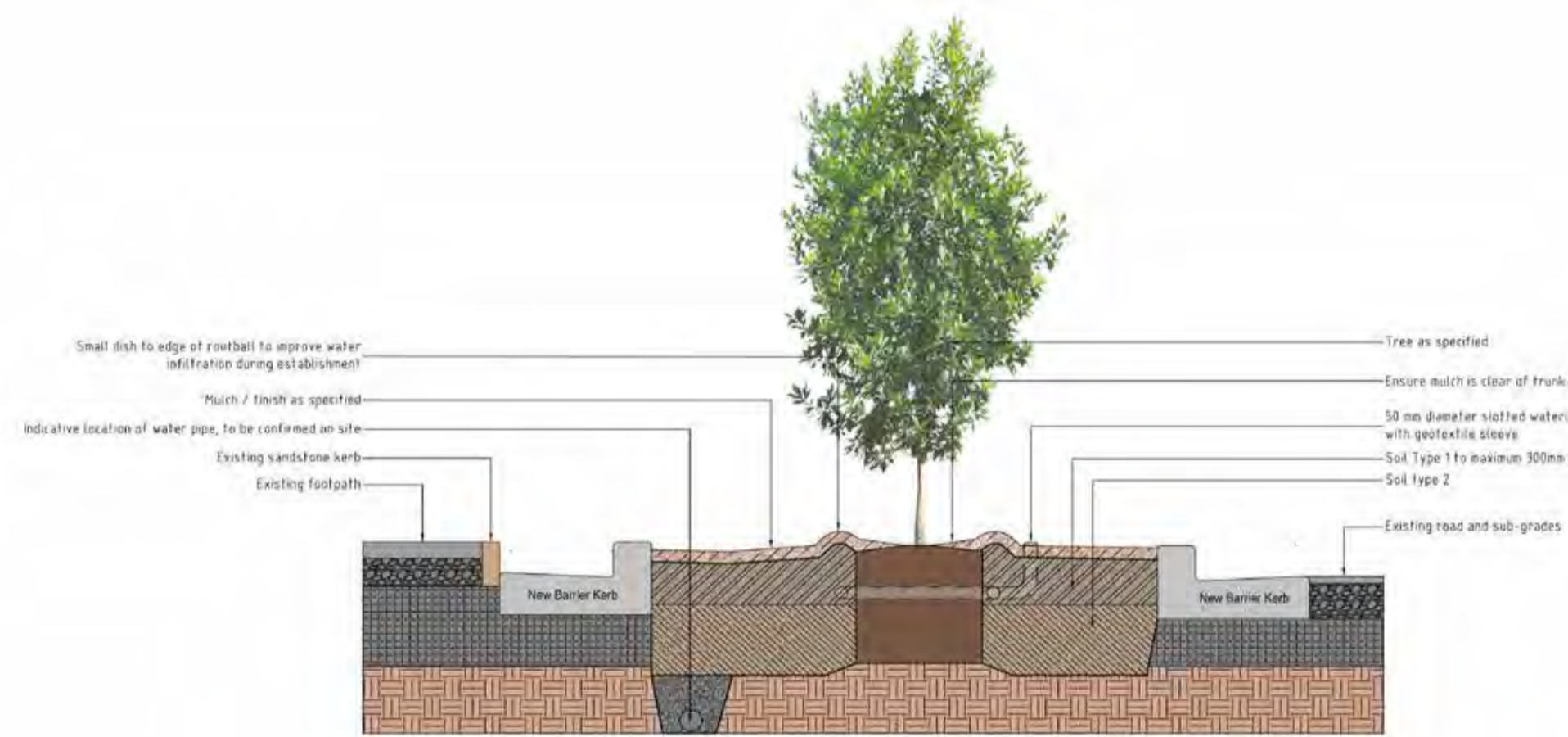
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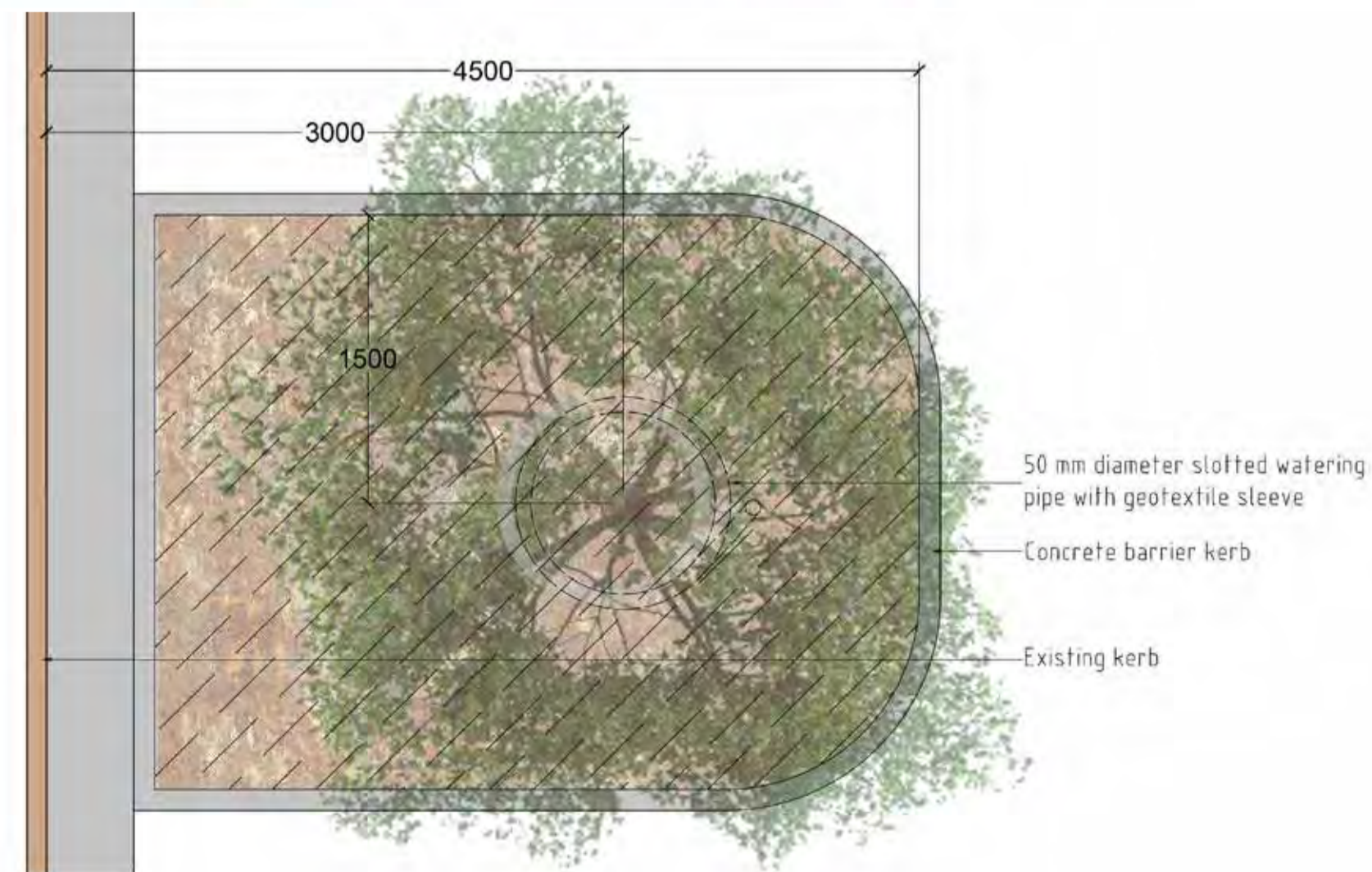
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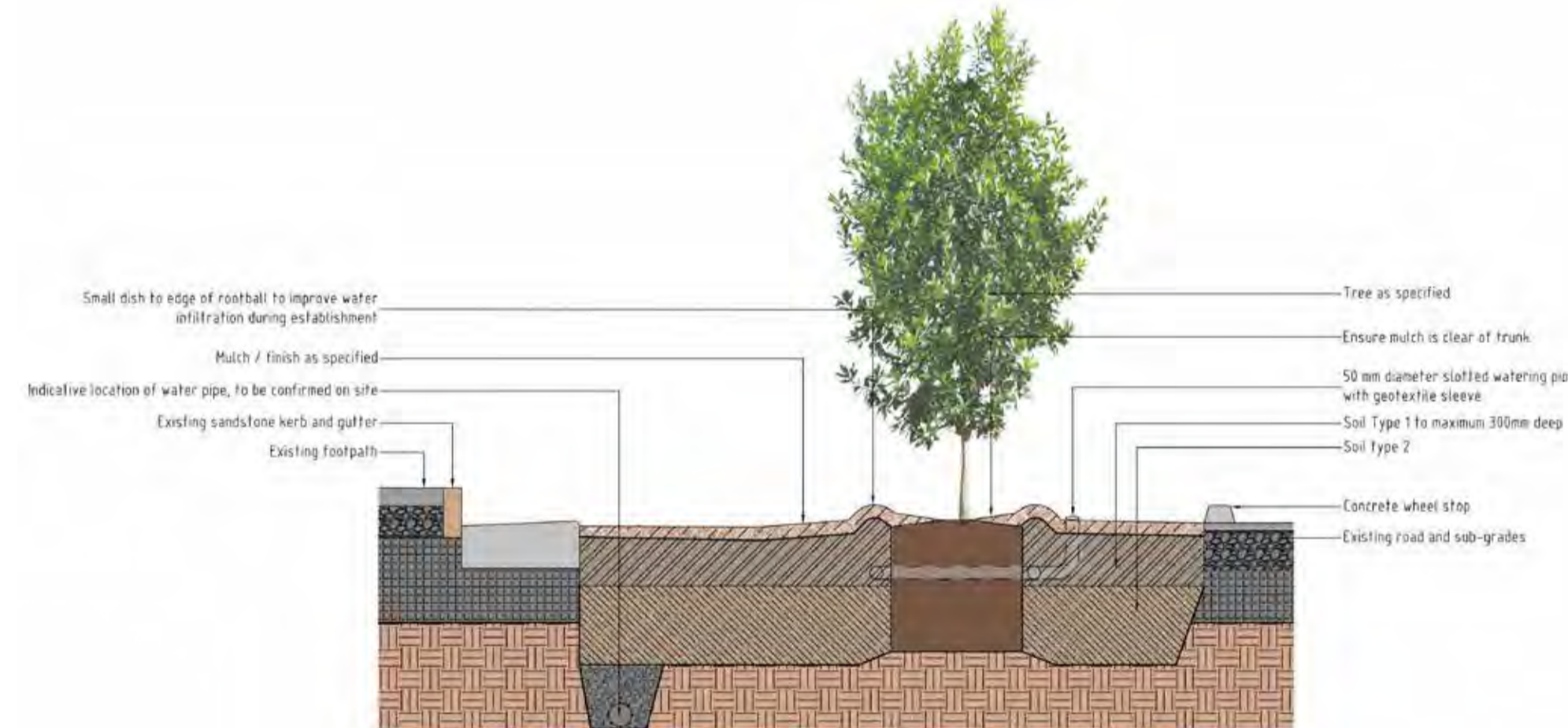
Indicative Street-view - Wilcannia



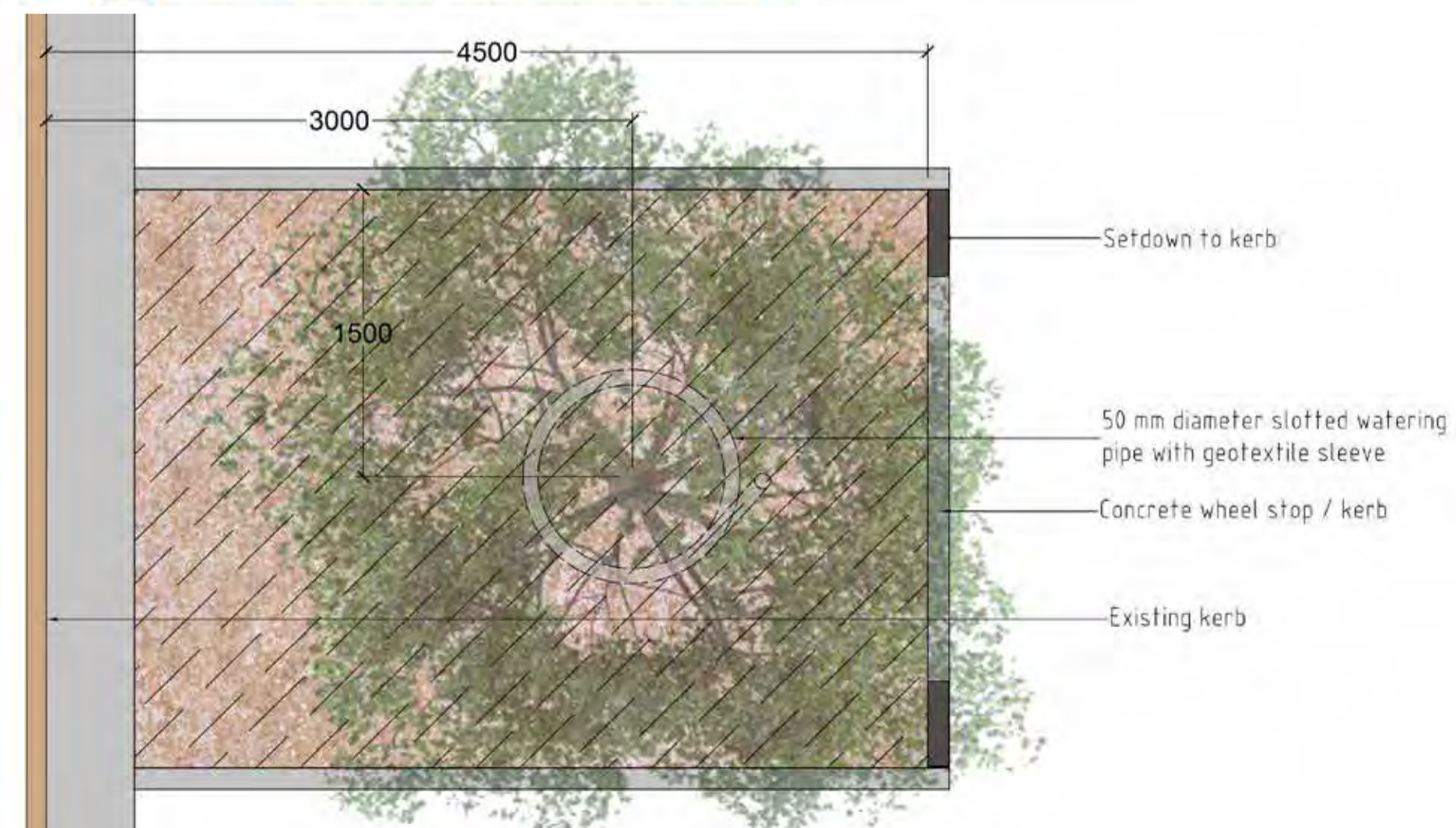
Indicative Section
Tree pit with full surrounding kerb



Indicative Plan
Tree pit with full surrounding kerb



Indicative Section
Tree pit with broken / WSUD kerb



Indicative Plan
Tree pit with broken / WSUD kerb

