

**CENTRAL DARLING
SHIRE COUNCIL**

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

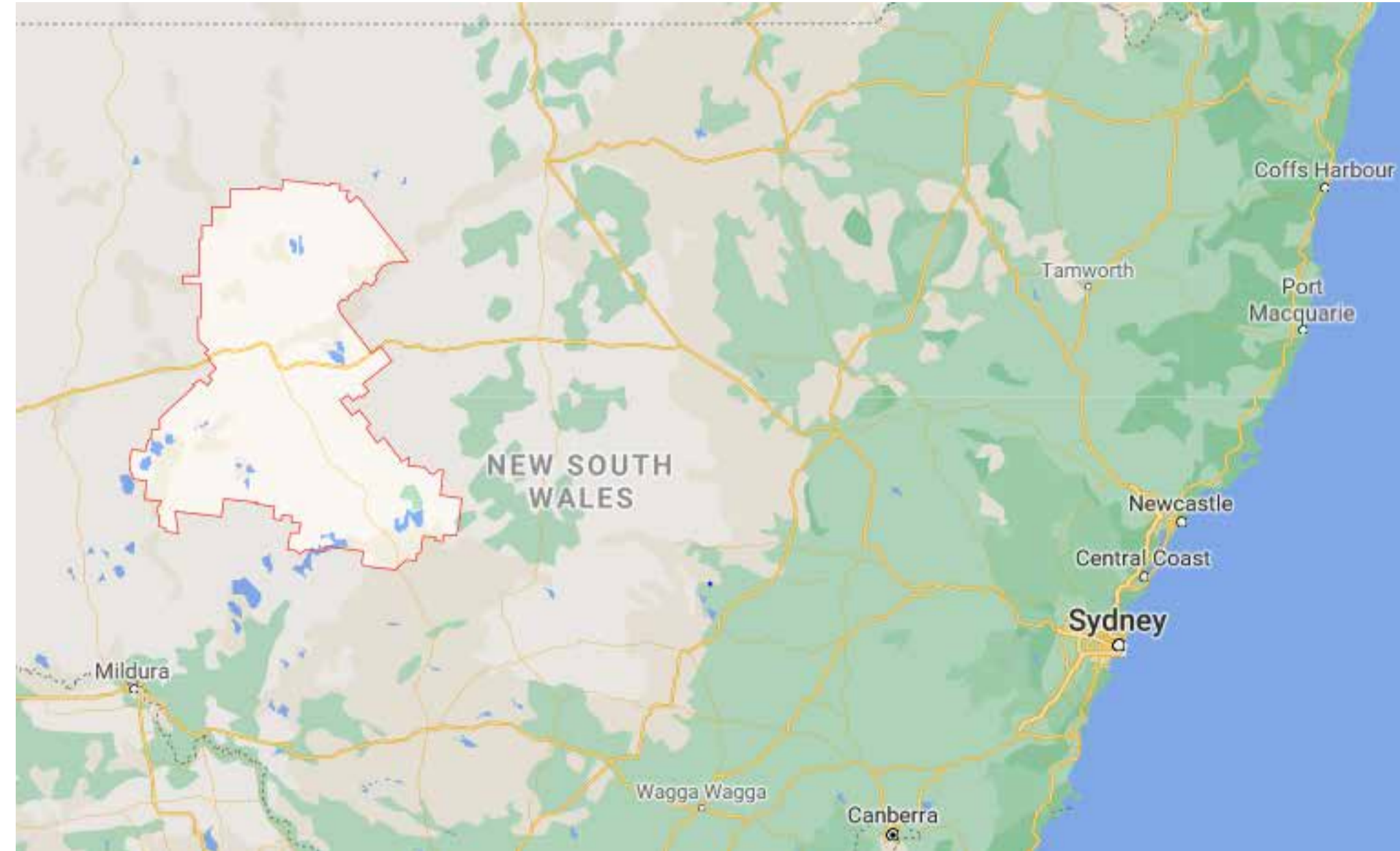


DOCUMENT HISTORY

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.

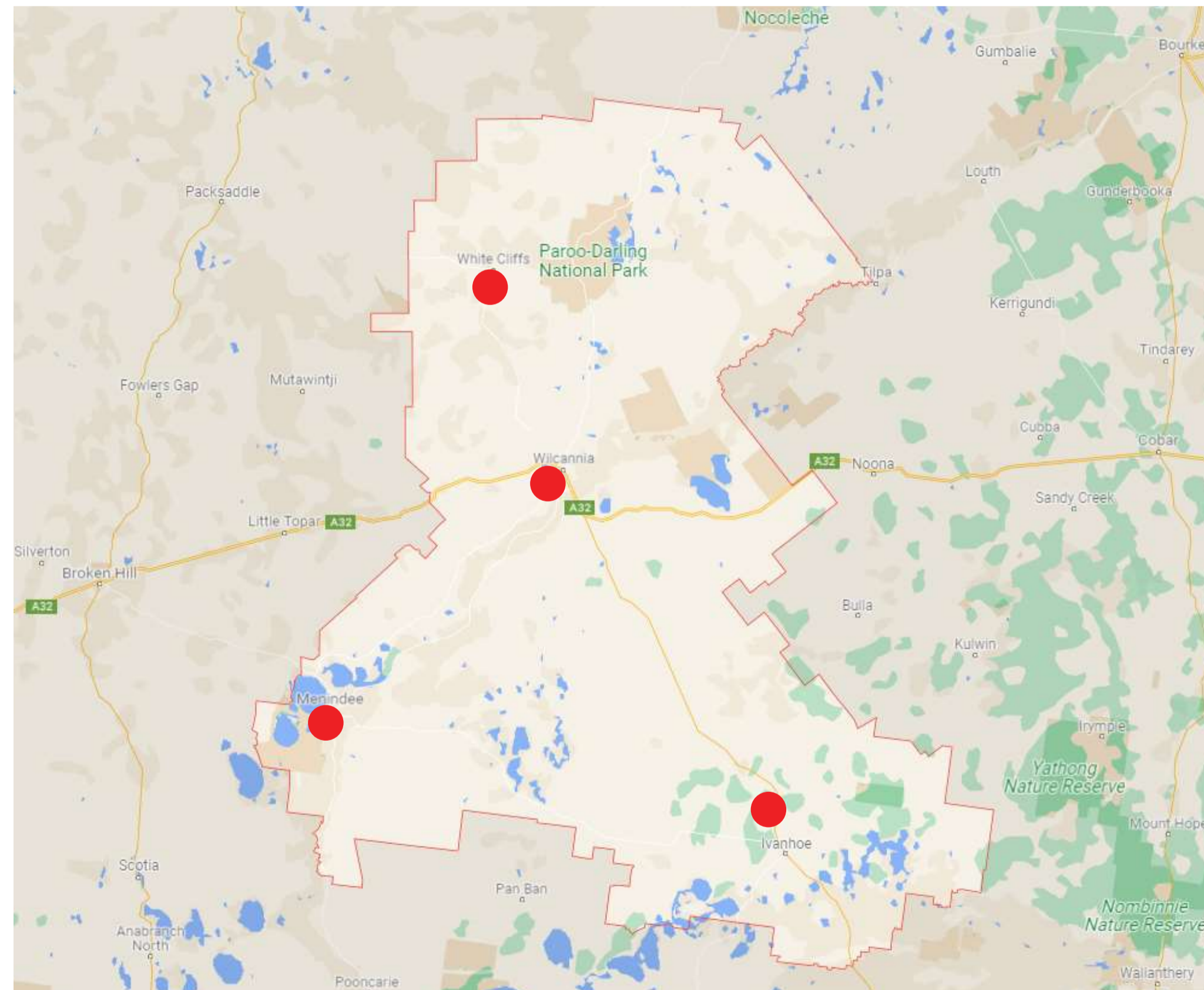
Aboriginal occupation by the Barkindji Tribe within the region can be traced back a long way, with significant sites at Lake Mungo to the south of Wilcannia and Mutawintji to the north-west. Archaeological finds within in the dry sand dunes around Menindee Lakes have provided some of the earliest remnants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

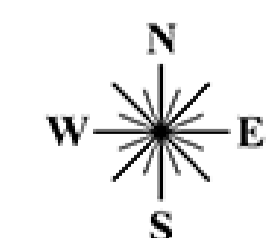
REGIONAL CONTEXT



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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WILCANNIA TOWN CENTRE - SITE ANALYSIS

HISTORICAL BUILDINGS



Post Office



Museum



Court House



St James Anglican Church



Council Chambers



Police Station

EXISTING STREET FURNITURE



Rubbish Bin Type 1



Rubbish Bin Type 2



Rubbish Bin Type 3



Rubbish Bin Type 4



Bench seat



Park seating



Water bubbler



Tree Guard

KERBS AND PAVEMENTS



Sandstone Kerb in poor condition



Concrete kerb and footpath



Paved footpath



Concrete footpath in turf



Grass Verge



Not to scale

Locations of site features and existing trees indicative.

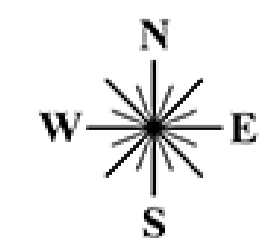
LEGEND

Extent of study area

- 1 Court House
- 2 Police Station
- 3 Post Office
- 4 Wilcannia Athenaeum Pioneer Museum
- 5 Council Chambers
- 6 Public Swimming Pool
- 7 Future Baaka Cultural Centre
- 8 Wilcannia Club Hotel
- 9 Supermarket
- 10 St James Anglican Church
- 11 Wilcannia Central School
- 12 Memorial Park
- 13 Baker Park
- 14 Water is life wall art
- 15 Various wall art
- 16 Wilcannia College
- 17 Informative signage, seating and historical memorabilia in park
- 18 Petrol Station

- Existing concrete kerb
- Existing sandstone kerb
- Existing concrete area
- Existing paved area
- Existing concrete footpath in turf
- Existing grass verge, no kerb

- Existing rubbish bin
- Existing bench seat
- Existing water bubbler
- Existing pay phone
- Existing bus stop / shelter



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WILCANNIA TOWN CENTRE - STREET TREES

TREE ASSESSMENT

Urban Tree Management (UTM) assessed the existing street trees within the study area in Wilcannia and made recommendations on tree retention and removal and suitable replacement tree species. It was observed that existing footpaths are old and when a section is disrupted by tree root growth uneven edges are ground down as an ongoing practice to mitigate trip hazards.

Due to decay, pruning for overhead wires and top lopping, a number of the existing street trees in Wilcannia are recommended for removal by the arborist.

Planting new trees into the road shoulder, at approximately 3m from the edge of the kerb, with tree protection would assist with footpath upkeep by locating trees away from the footpath and kerb, while allowing each tree to develop a stronger root structure. The stronger root structure would support a larger tree canopy increasing shade coverage over the road reserve and the footpath, protecting pedestrians and prolonging pavement durability while providing unhindered pedestrian access. Trees would also guide car movements and parking, with tree pits designed to allow for runoff of rainwater and protect car doors when opening.

EXISTING STREET TREES



Existing fig in road shoulder close to kerb.



Pruned trees under wires and un-pruned Eucalyptus in verge



Existing trees in road shoulder close to kerb.



Existing small Bottlebrush in tree guard



↑ N
Not to scale
Locations of site features and existing trees indicative.

LEGEND

- - - Extent of study area
- Existing street trees in verge / pavement
- Existing trees in tree guard
- Existing street trees in road shoulder
- = Indicative location of multiple overhead power lines
- Indicative location of single overhead power lines
- Indicative location of raw water

PROPOSED STREET TREE PALETTE



PROPOSED SMALL TREE OPTION
Lagerstroemia Lagerstroemia indica x fauriei 'Natchez'
White Crepe Myrtle



PROPOSED SMALL TREE OPTION
Eucalyptus woodwardii x Eucalyptus torquata
Eucalyptus Torwood Hybrids



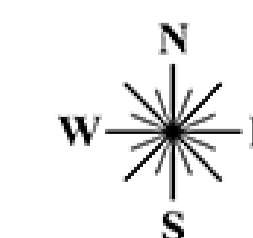
PROPOSED FEATURE TREE OPTION
Fraxinus angustifolia subsp. oxycarpa 'Raywood!'
Claret Ash



PROPOSED LARGE TREE OPTION
Eucalyptus largiflorens
Black Box



PROPOSED LARGE TREE OPTION
Eucalyptus populnea
Bimble Box



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WILCANNIA TOWN CENTRE - OPPORTUNITIES AND CONSTRAINTS

ISSUES & CONSTRAINTS

- 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
- Location of raw water supply limits tree planting extents / locations
- New trees to be planted prior to existing trees being removed
- Tree succession plan to be developed
- Large trucks utilize the Barrier Highway / Myers Street reducing pedestrian amenity
- Parking on main streets is not formalised, with trucks taking up large areas in centre of town
- Dilapidated frontages diminish the overall town appeal
- Works to be carried out progressively, prioritised list of proposed works to be developed
- Works proposed to Meyer Street / Barrier Highway may require RMS approval

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
- Develop parking and truck stop policy and delineate parking spaces between tree plantings
- Rationalise locations and types of street furniture
- Introduce consistent street furniture pallet
- Introduce town centre node at intersection of Myers and Reid Street, linking future cultural centre, historic Post office building and Memorial Park
- Retain / upgrade existing sandstone kerbs at intersection of Myers and Reid Streets or salvage and store for future use
- Upgrade pavement to Post Office frontages, followed by other corners of intersection
- Investigate safe pedestrian crossing / refuge island locations on Myers Street, such as at existing bus stop
- Create sense of arrival via entry features at gateway points to town
- Streamline design of Memorial Park to give a more holistic feel and encourage use by residents and visitors
- Investigate opportunities to link street footpath system to river pathways
- Consolidate and update informative signage design across town / shire and consider digital access
- Engage with local community to implement street art / public art strategy
- Preserve heritage building frontages and maintain in line with Council policy

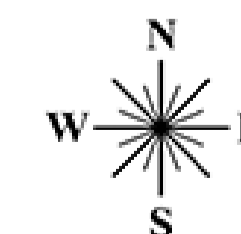


LEGEND

- Extent of study area
- New small tree under wires
- New large tree planting in road shoulder
- New large tree planting to grass verge
- Existing tree to be retained
- Opportunity to create town centre focal node
- Retain/upgrade existing sandstone kerb
- - - Install new/salvaged sandstone kerb
- New paved footpath, colour to compliment sandstone kerb
- New rubbish bin
- New seating
- Truck parking
- Opportunity for feature entry
- - - Opportunity for pedestrian refuge island /and or crossing
- ➔ Opportunity to upgrade park including;
 - Redefine spaces to create usable green space adjoining footpaths;
 - Rationalisation of signage;
 - Upgrade of furniture to match street furniture palette;
 - Rationalisation of vehicle access; and
 - Update of historical and informative signage to suit street furniture palette.
- Indicative location of overhead power lines

↑ N
Not to scale

Locations of site features and existing trees indicative.



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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

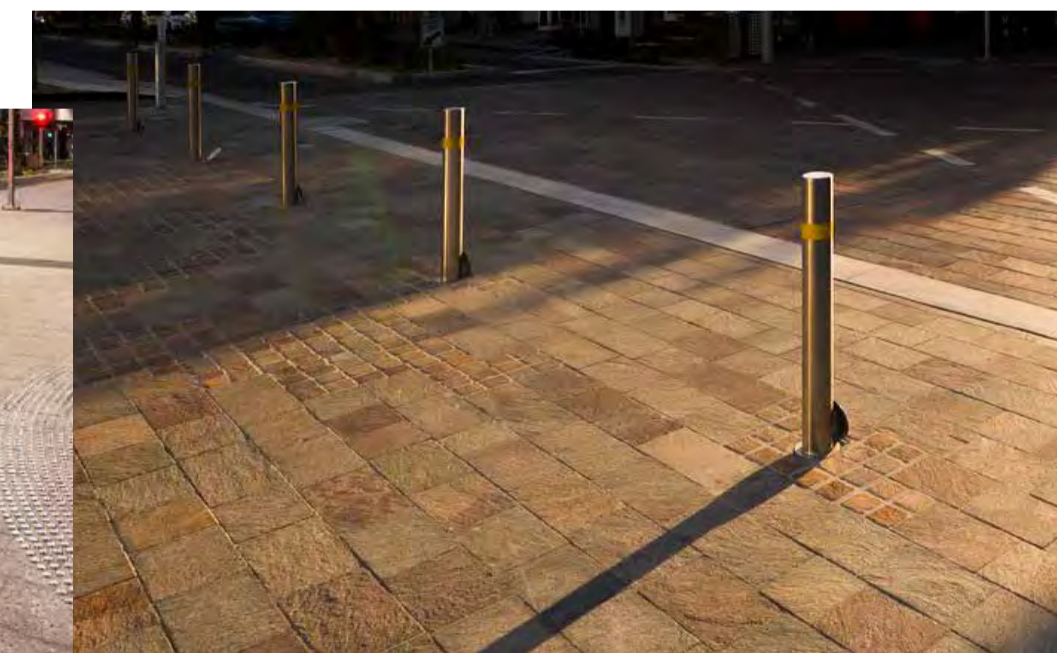
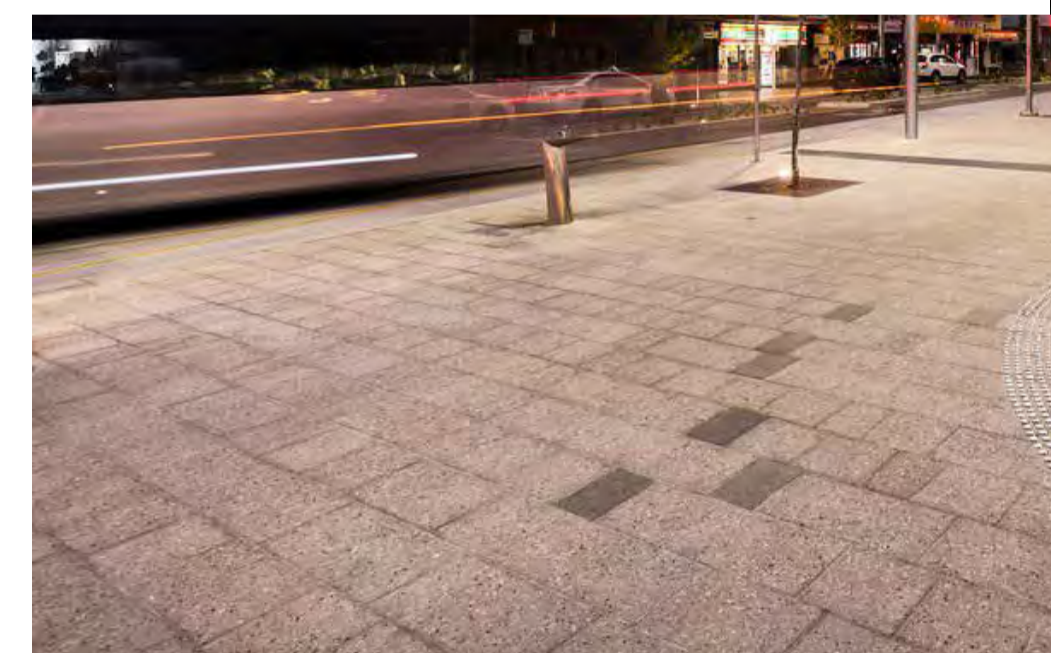


Paver Option - Adbri Masonry
HAVENSLAB® 50 - Oatmeal & Charcoal
Concrete Unit Paver

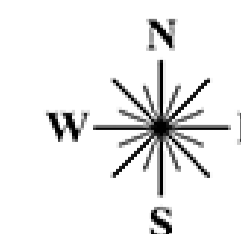


Paver Option - Australbrick
Earth Range
Straw

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



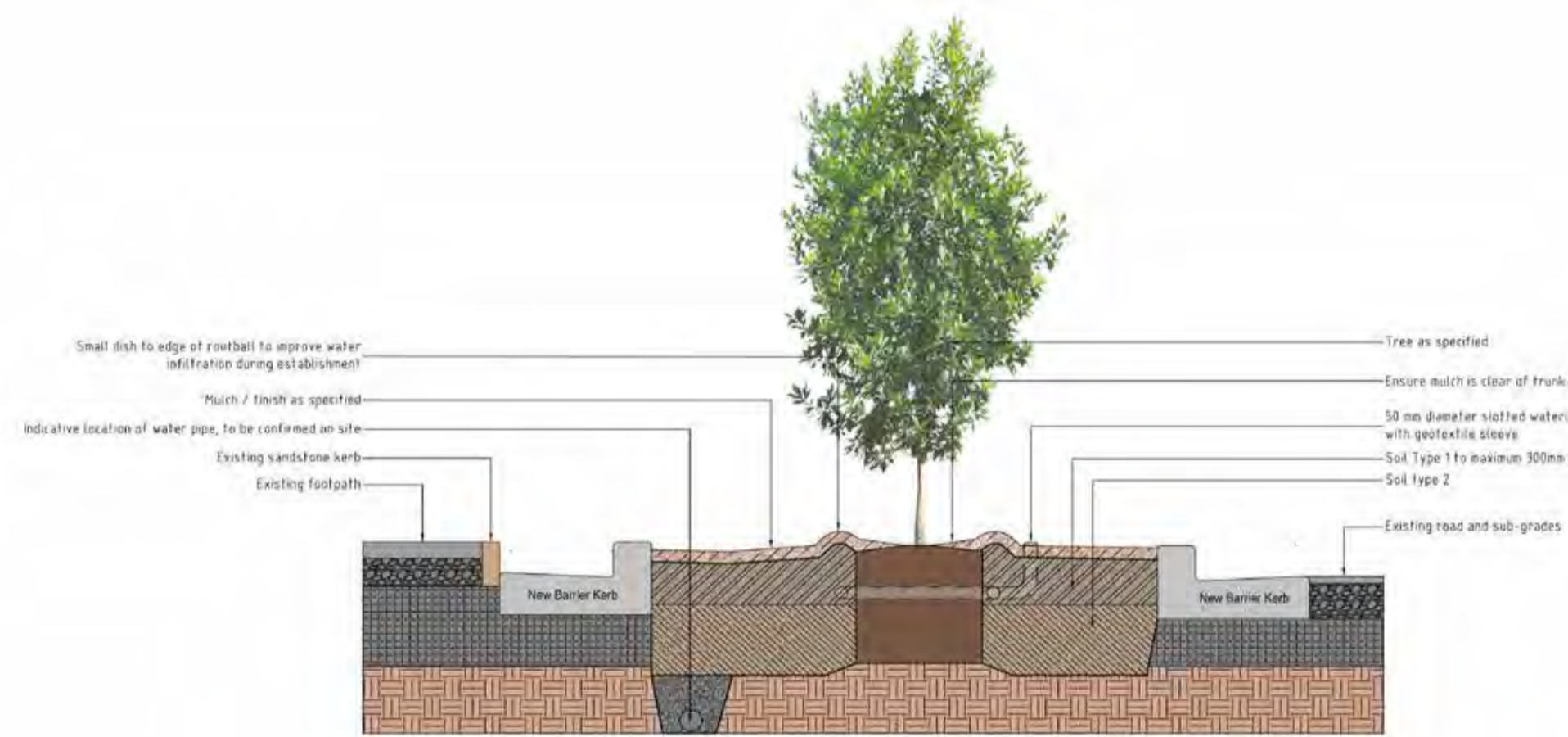
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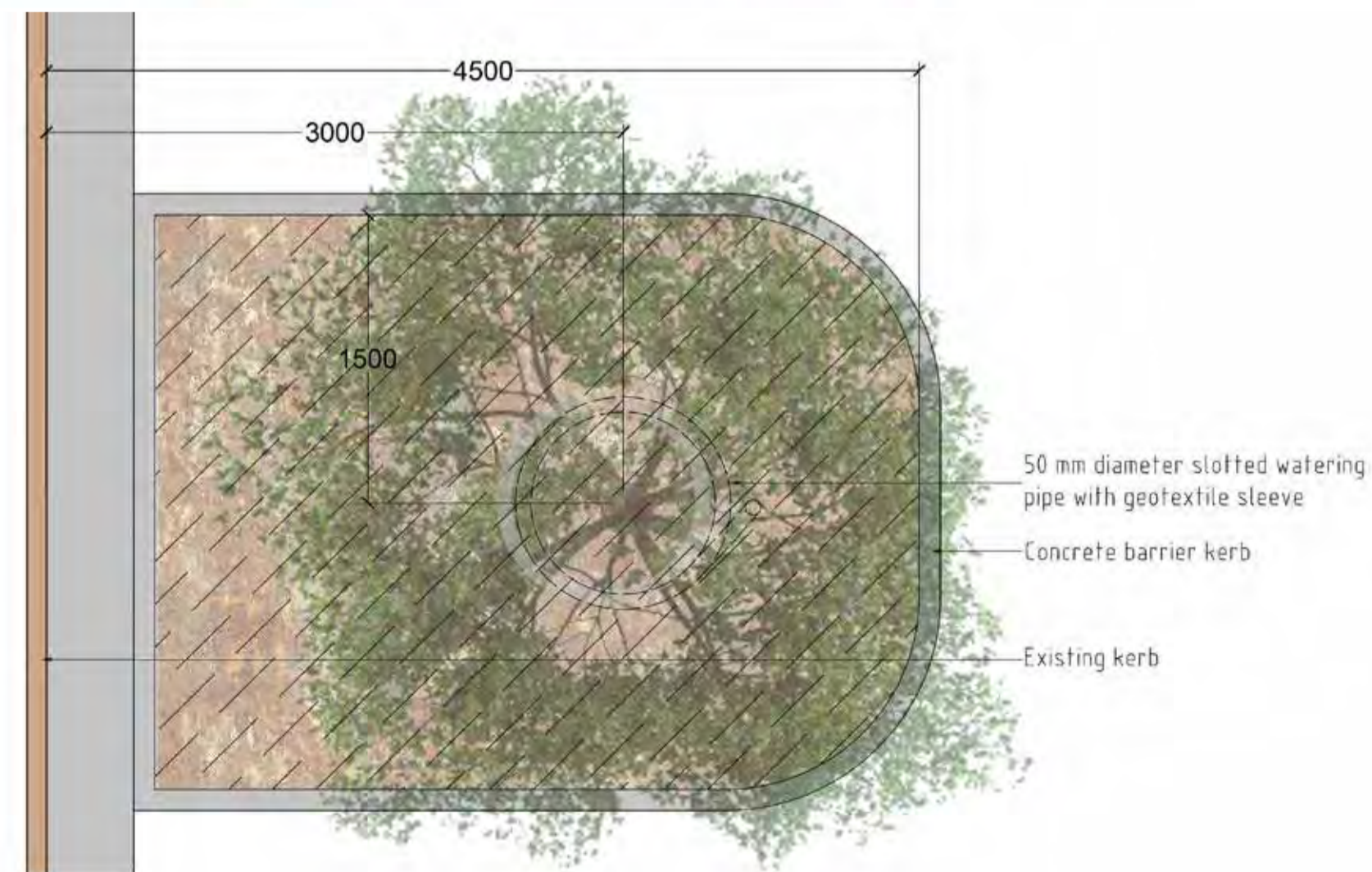
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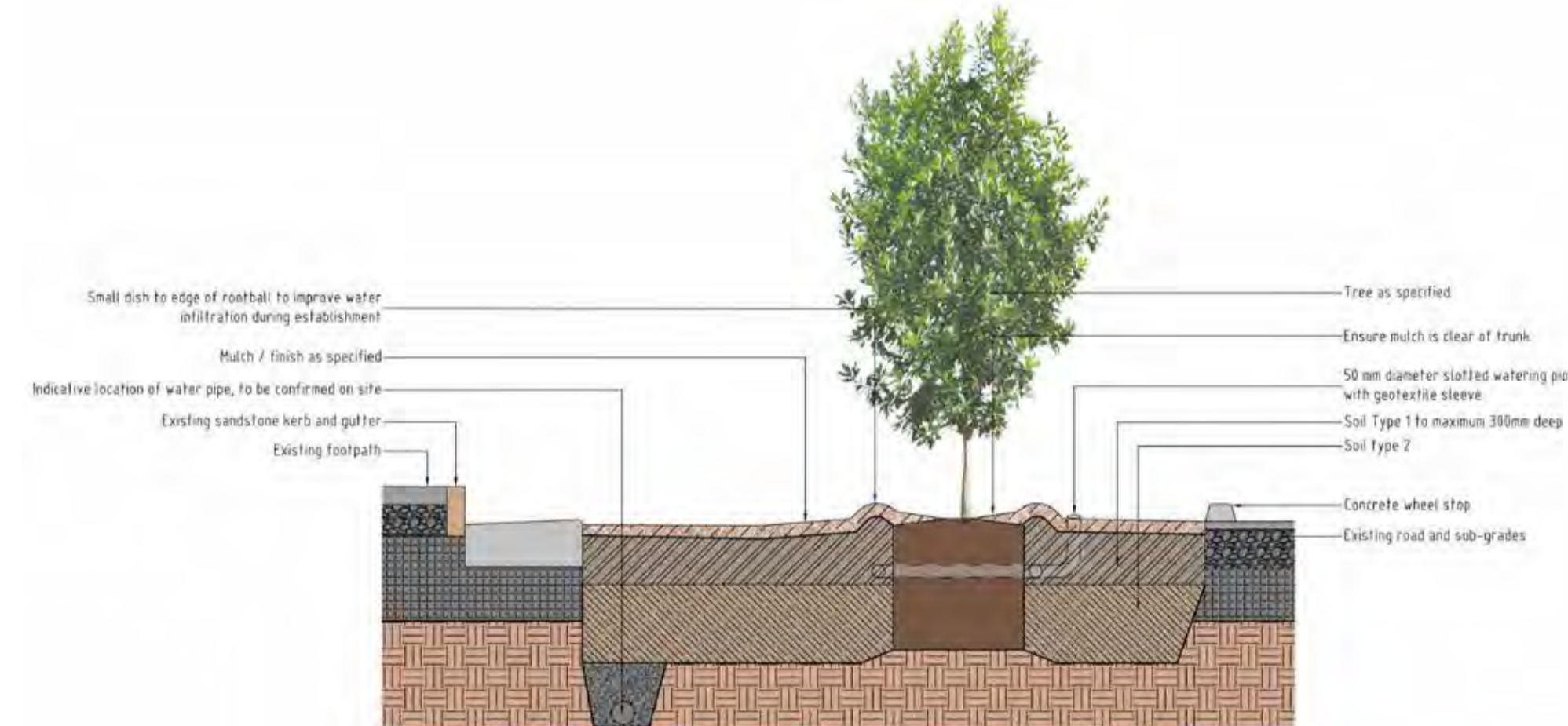
Indicative Street-view - Wilcannia



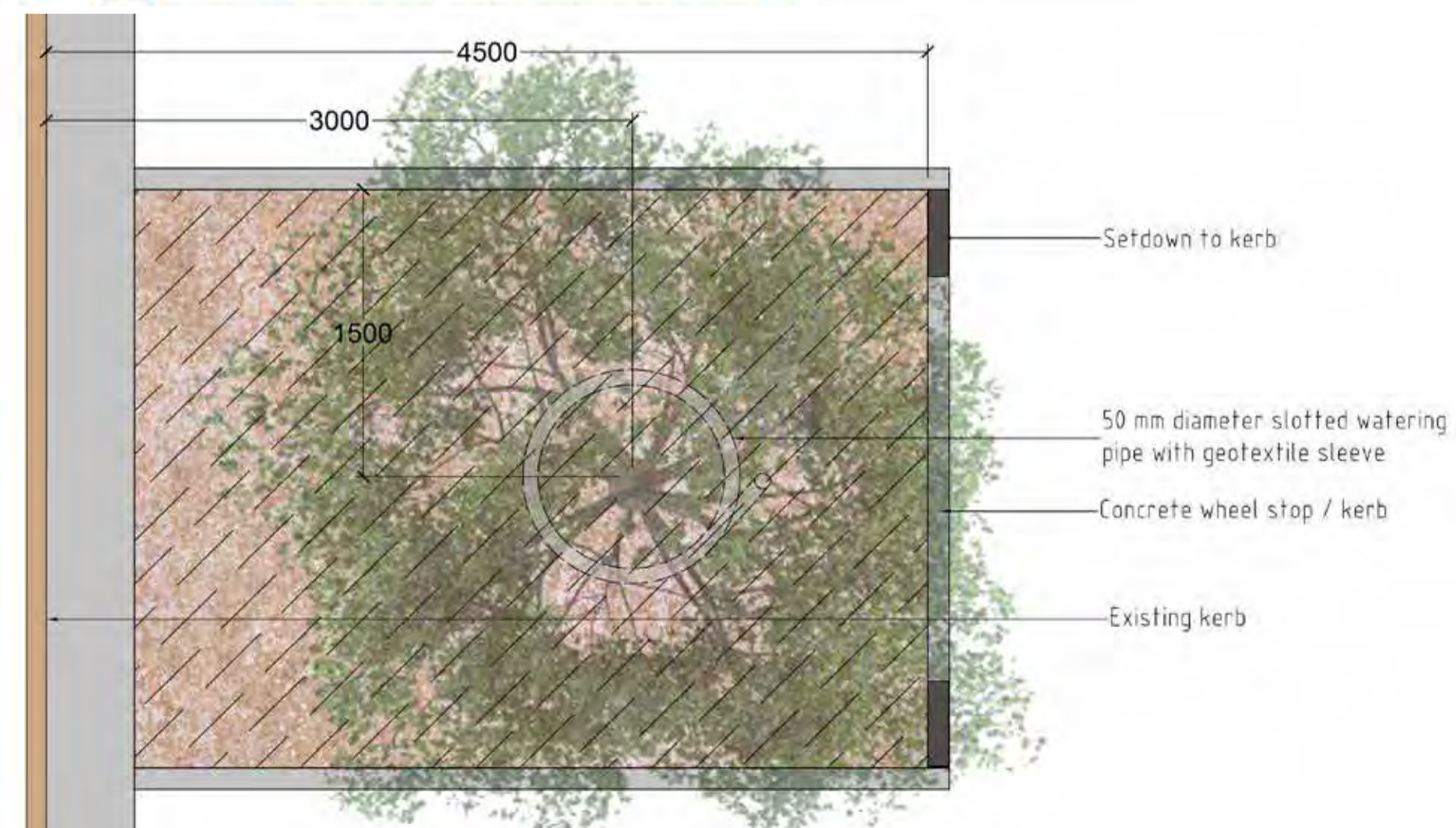
Indicative Section
Tree pit with full surrounding kerb



Indicative Plan
Tree pit with full surrounding kerb



Indicative Section
Tree pit with broken / WSUD kerb



Indicative Plan
Tree pit with broken / WSUD kerb

