

# **APPENDIX 2 – LANDSCAPE PACKAGE**



# Moree Hospital Redevelopment

Landscape Architecture  
Review of Environmental Factors  
Design Report





The project team acknowledges the Traditional Custodians of the Moree region, the people belonging to the Kamilaroi / Gamilaroi / Gomeroi people and their connections to land, sea and community.

We pay our respect to their elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

# SCOPE

## Design Scope

Taylor Brammer Landscape Architects Pty Ltd are engaged by STH Architects to provide Landscape Architectural services for the Moree Hospital Redevelopment. This report is to be read as an appendix to the main report prepared by STH. Site analysis, planning principles and place making themes have been workshopped with the team and are included as part of the main report.

## Amendment register

DOCUMENT ISSUE	REVISION	DATE	STATUS	PREPARED	CHECKED
DRAFT REF	P1	08.09.2023	DRAFT	AL/DA	AL
FINAL REF	A	17.10.2023	FINAL	AL/DA	AL

## Moree Hospital Redevelopment



Aerial image of Moree Hospital and surrounding areas; Source Nearmap 2023

# PROJECT DESCRIPTION

## Project Description (Main Works REF)

The objective of the Moree Hospital Redevelopment (MHR) Project is to align the recommendations of the endorsed CSP with new contemporary patient care facilities to support the adoption of new and improved models of care. The primary focus of this Project is to provide asset replacement through consolidation of services into a new two-story Acute Services Building (ASB). The ASB will be located on the south section of the existing site along Alice Street and provide a new main access to the campus.

The Project scope to redevelop Moree Hospital, in line with the CSP, include the master planning and delivery of the following:

- Emergency care services
- Overnight inpatient beds
- Operating theatre
- Imaging services
- Birthing suites
- Pathology shell space
- Clinical support services

In addition to the above clinical services, the redevelopment will also incorporate associated works such as:

- A new hospital main entry and Front of House
- Back of House services
- Modifications to existing carparking
- Landscaping
- Decommissioning & demolition of redundant existing facilities
- A new substation, and
- A new loading dock & services yard area



Existing Moree Hospital, Bulding 1; image by Taylor Brammer

## Moree Hospital Redevelopment

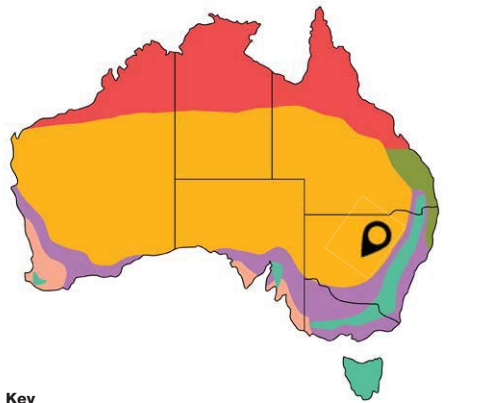
# CONTEXT

## Site Context

Moree is a town in Moree Plains Shire in northern New South Wales, Australia. It is located on the banks of the Mehi River, in the centre of the rich black-soil plains. The town is located at the junction of the Newell Highway and Gwydir Highway and can be reached by daily train and air services from Sydney.

Moree is a major agricultural centre, noted for its part in the Australian cotton-growing industry which was established there in the early 1960s. It is situated in the Moree Plains Shire. Moree is home to artesian hot spring baths which are famous for their reputed healing qualities.

At the 2021 census, the town of Moree had a population of 7,070.



### Key

- Subtropical
- Temperate
- Wet and Dry Tropical
- Dry Inland
- Mediterranean
- Cool

Project Location

### Legend

Project Location



Map of Australia, showing project location; Source Bureau of Meteorology

## Moree Hospital Redevelopment

# LOCAL ENVIRONMENT



## Rainfall

The annual average rainfall for Moree is 585mm. Summer months usually provide the best falls, with the remaining months providing generally even falls. Summer rain tends to be more variable than winter rain due to the incidence of thunderstorms in summer. The highest daily rainfall recorded in Moree was 161.8mm on the 9th of February 1888 and the highest monthly rainfall recorded was 461.3mm in March 1894. The highest annual rainfall recorded in Moree was 1107mm in 1894 and the lowest annual rainfall was 202.7mm in 1902.

Source Bureau of Meteorology







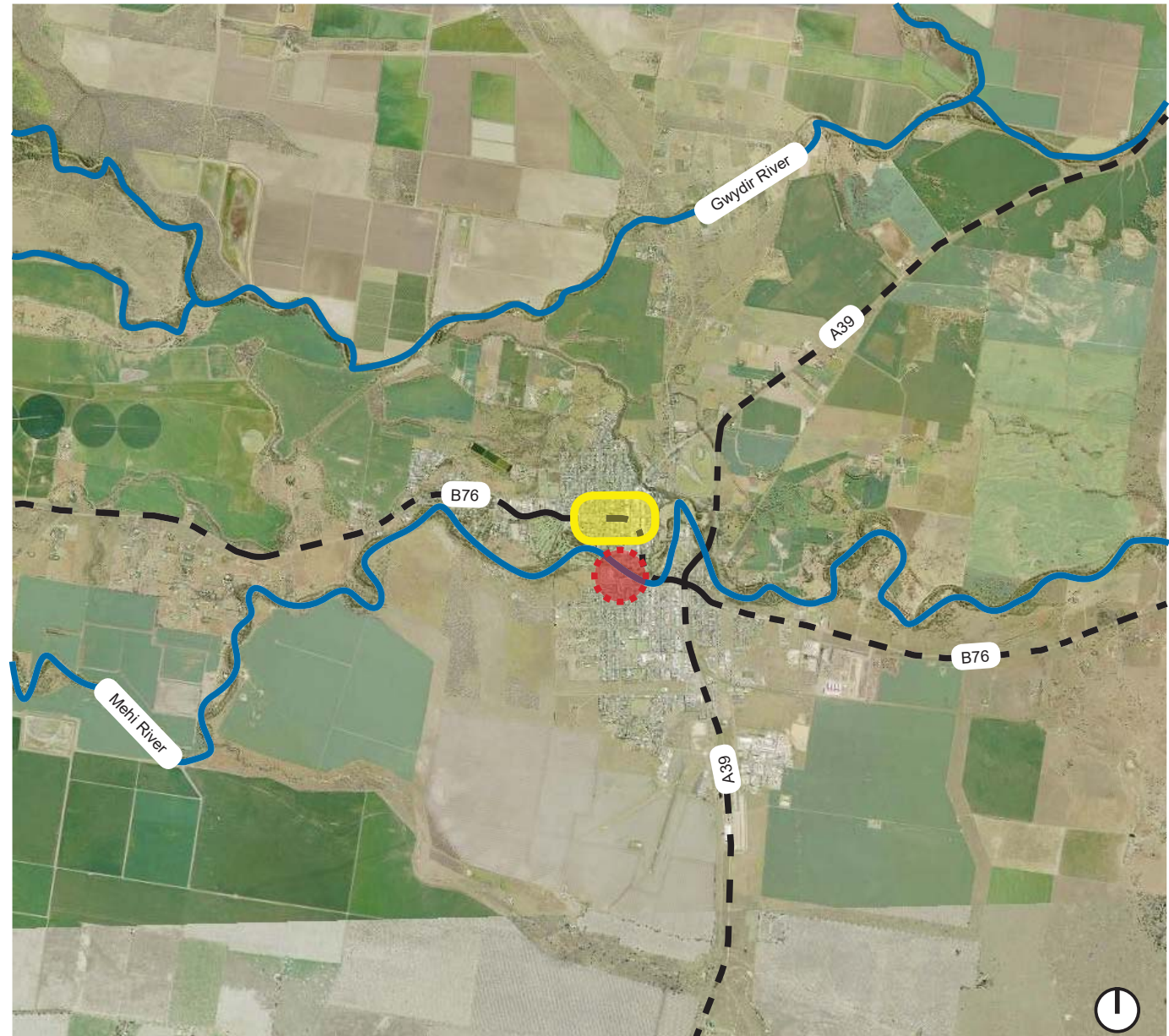
## Temperature

Average maximum temperatures range from 17C-19C in the winter to 33C in the summer months. Average minimum temperatures range from between 4C and 5C in the winter to between 18C and 20C in the summer. In winter the minimum is below zero on an average of 10.4 days. In summer, on average, more than 25 days reach 35C or higher. Records show a slight increase in the minimum temperature with time. At least part of this trend may be due to increased urbanization.

Source Bureau of Meteorology

## Legend

-  Project location
-  Town Centre
-  Major highways
-  Mehi and Gwydir Rivers



Aerial image of Moree and surrounding areas; Source Sixmap 2022

## Moree Hospital Redevelopment

# LOCAL CHARACTER



Meihi riverbank and the Moree town centre; Sourced google images



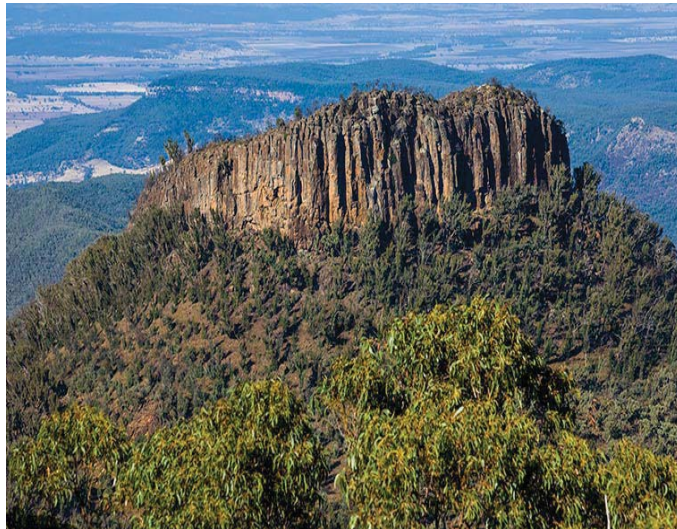
Moree town centre; Sourced google images



Moree town centre during the 2022 floods; Sourced google images



Gwydir Wetlands one of the largest wetlands in NSW; Sourced Tourism NSW



Kaputar National Park – Outdoor Adventures Northern NSW; Sourced Tourism NSW



Meihi River, north of the hospital site; Image by Taylor Brammer

## Moree Hospital Redevelopment

# THE SITE



## Moree Hospital Redevelopment

# 1 SITE CHARACTER



Existing building 1, Emergency building; Image by Taylor Brammer



Existing carpark to east of the site with mature trees to periphery; Image by Taylor Brammer



Existing canteen courtyard showing mature shrub / tree in background; Image by Taylor Brammer



West of site showing informal car parking arrangement; Image by Taylor Brammer



Existing playground, south of building 1 requiring maintenance; Image by Taylor Brammer



Tile mosaic artwork north of the canteen; Image by Taylor Brammer

## Moree Hospital Redevelopment

# DESIGN PRINCIPLES



## RECONNECT TO THE RIVER

### Integrate the natural patterns of the place

1. Embrace the riverside location and identity of the town
2. Create outcomes that are site specific
3. Consider the climatic changes of the place and provide shelter in summer and sun in winter
4. Provide shelter from prevailing winds
5. Utilise the natural topography of the site to focus and store water in ground



## A WELCOMING ENVIRONMENT FOR ALL COMMUNITY

### Retain existing trees and increase shade cover

1. Retain existing trees wherever possible
2. Add to the existing tree canopy through new planting strategies
3. Utilise the naturally occurring planting and materials to embellish the place

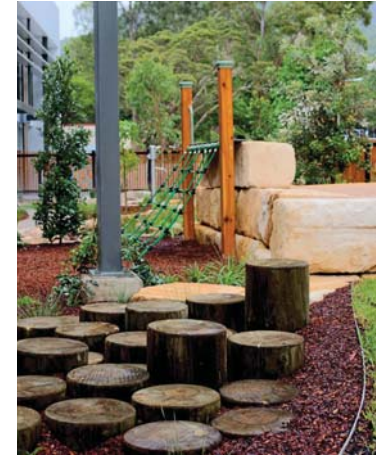


## CREATE A RESTORATIVE LANDSCAPE

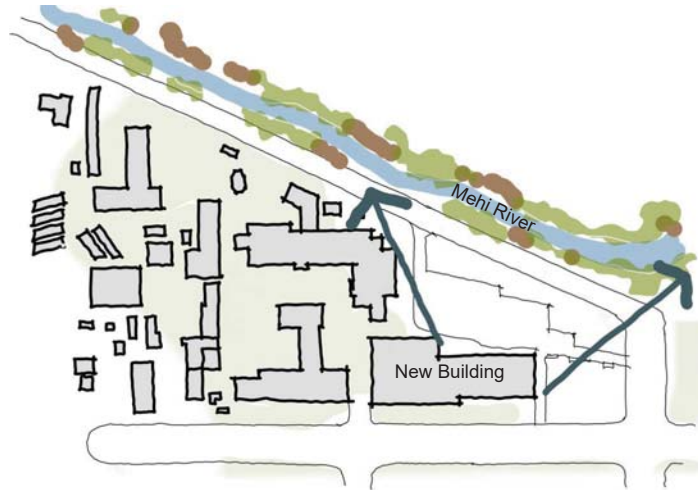
### Create calm and restorative places for people

1. Prioritise aspect of open space and comfort levels in the landscape
2. Provide functional access
3. Create a range of activities externally for consumers to engage with

# DESIGN INSPIRATION



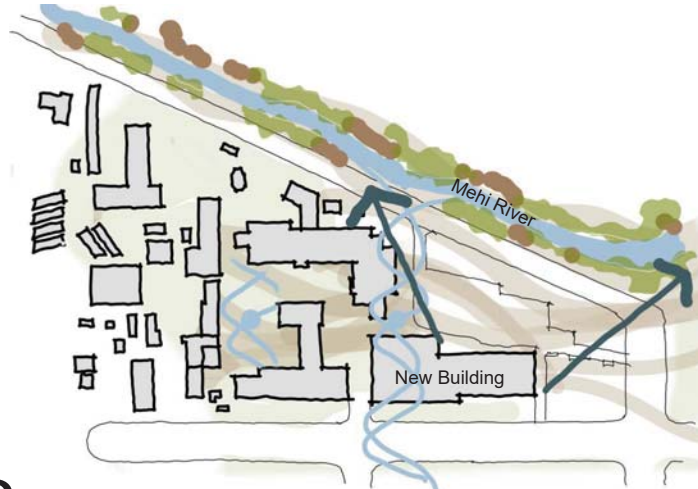
# DESIGN APPROACH



**1 OPEN THE ASPECT TO THE RIVER**



**2 INTEGRATE THE RIVER BED COLOURS**



**3 DRAW WATER INTO THE SITE**



**4 INCREASE RIVERSIDE VEGETATION**



# DESIGN STATEMENT

## Design overview

The Landscape Architectural design for the Moree Hospital Redevelopment creates a new landscape for the entire community to recreate, socialise and heal. The proposal integrates leading design principles of health planning and landscape architecture which provide a unique connection to the Country and place making principles that celebrate the location of the hospital on the Mehi River. The connection with place is celebrated throughout the design with open connections from the main ASB along with metaphorical connections in the central courtyard where views to the river are obscured by existing buildings.

## Country

The design integrates learnings and information gained through the initial consultation conducted through the Concept design phase. Information shared through consultation with the community during this phase reveals selected planting along with connection to the Mehi River as being significant. These learnings have been integrated into the design proposal through the use of a predominantly native planting character throughout the hospital. In conjunction with this, the influences of the Mehi River banks forms, patterns and colours have been integrated into the proposal through colours of flooring, planting, forms and the creation of creek beds in the internal courtyard. All of which increase awareness of place and connection with Country.

## Eastern Gardens

Eastern gardens of the redevelopment are focused on creating a functional entry, waiting and drop off setting in the existing landscape for the new ASB building. Numerous existing trees in this area of the site are retained and protected, these trees are supplemented with an extensive new tree planting strategy of native planting to further enhance Country and connection with the landscape typology of the River. Urban heat island is mitigated through the installation of shade trees to the north and within the car parking area and supplemented with permeable paving of a selected and warmer colour tone to aid in environmental comfort levels.

## Western Gardens

As a result of the remove of existing building 5, the western garden areas contain the majority of landscape and amenity for the staff, patients and community broadly. This central spaces creates a range of amenity environments for users and the community. The existing playground item is to be relocated and upgraded within a new nature based play area along with seating and table areas for families under shade trees. Centrally a new range of seating and breakout spaces are provided for all users which is universally accessible, functional, shaded and with a strong sense of nature available to all users. Existing trees are retained in this central courtyard and supplemented with new planting to enhance and re-engage with the natural character of the Mehi River.

Overall the new outdoor environments created through this works will provide a positive environmental outcome for the site and the community of Moree through extensive tree planting, creation of functional and accessible environments and the celebration of Country.

## Moree Hospital Redevelopment

# PLANTING CHARACTER



Existing trees retained throughout the site wherever possible



*Backhousia myrtifolia* Lemon myrtle



*Podocarpus elatus* Plum pine



*Brachychiton rupestris* Bottle Tree

## Trees



*Eromophylla glabra* Emu bush



*Dodonea viscosa* 'pink' Hop bush



*Photinia* 'Red Robin' Photinia



*Hakea laurina* Pin-Cushion Hakea



*Grevillea* sp. Spider flower



*Atriplex* sp. Saltbush

## Shrubs



*Russelia equitiformis* Firecracker plant



*Banksia* 'Roller coaster' Ground cover banksia



*Grevillea* 'carpet' Groundcover grevillea



*Westringia mundi* Dwarf coastal rosemary



*Pandorea pandorana* Wonga Wonga vine



*Casuarina* 'Cousin it' Cousin it

## Groundcovers

## Moree Hospital Redevelopment



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# Moree Hospital Redevelopment

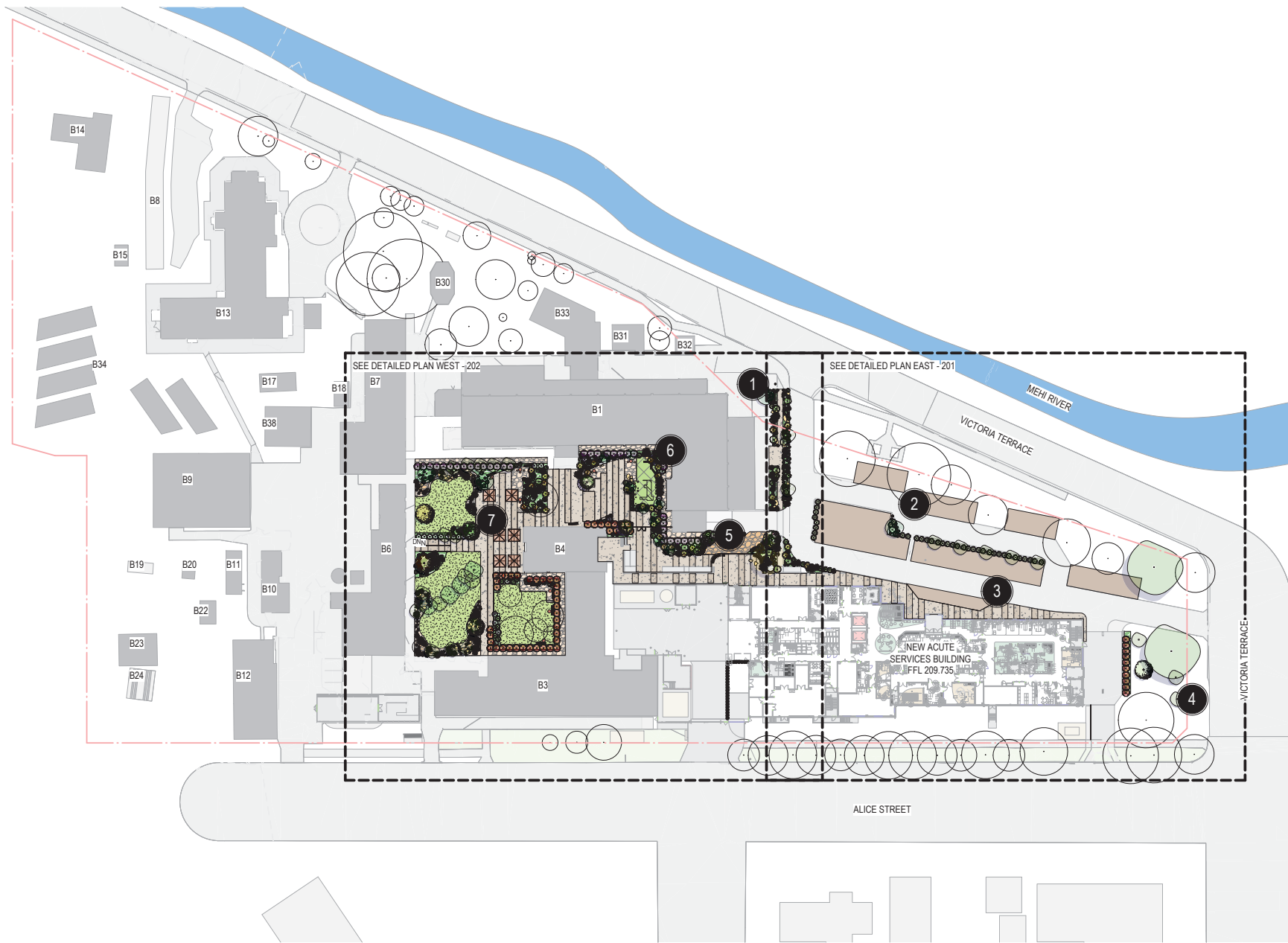
35 Alice Street, Moree NSW 2400

## Landscape Architecture Review of Environmental Factors

REF Drawing Register		
Drawing Number	Drawing Name	Current Revision
MHR-TB-LA-DR-SW-100	Cover Sheet and Drawing Register	P3
MHR-TB-LA-DR-SW-200	Site plan	P3
MHR-TB-LA-DR-SW-201	Detailed Plan - East	P3
MHR-TB-LA-DR-SW-202	Detailed Plan - West	P3
MHR-TB-LA-DR-SW-300	Tree Removal and Retention Plan	P3

# Cover Sheet and Drawing Register

Moree Hospital Redevelopment  
Review of Environmental Factors



## Design Notes

- 1 New pedestrian link to Mehi River
- 2 Existing parking upgraded with new finishes and planting
- 3 New dropoff to new Acute Services Building
- 4 New tree and understory planting to street front
- 5 New breakout seating area from ASB
- 6 Relocated playground in native garden setting
- 7 Central gardens with sheltered seating and gathering spaces and creek beds

## Site plan

### Moree Hospital Redevelopment Review of Environmental Factors

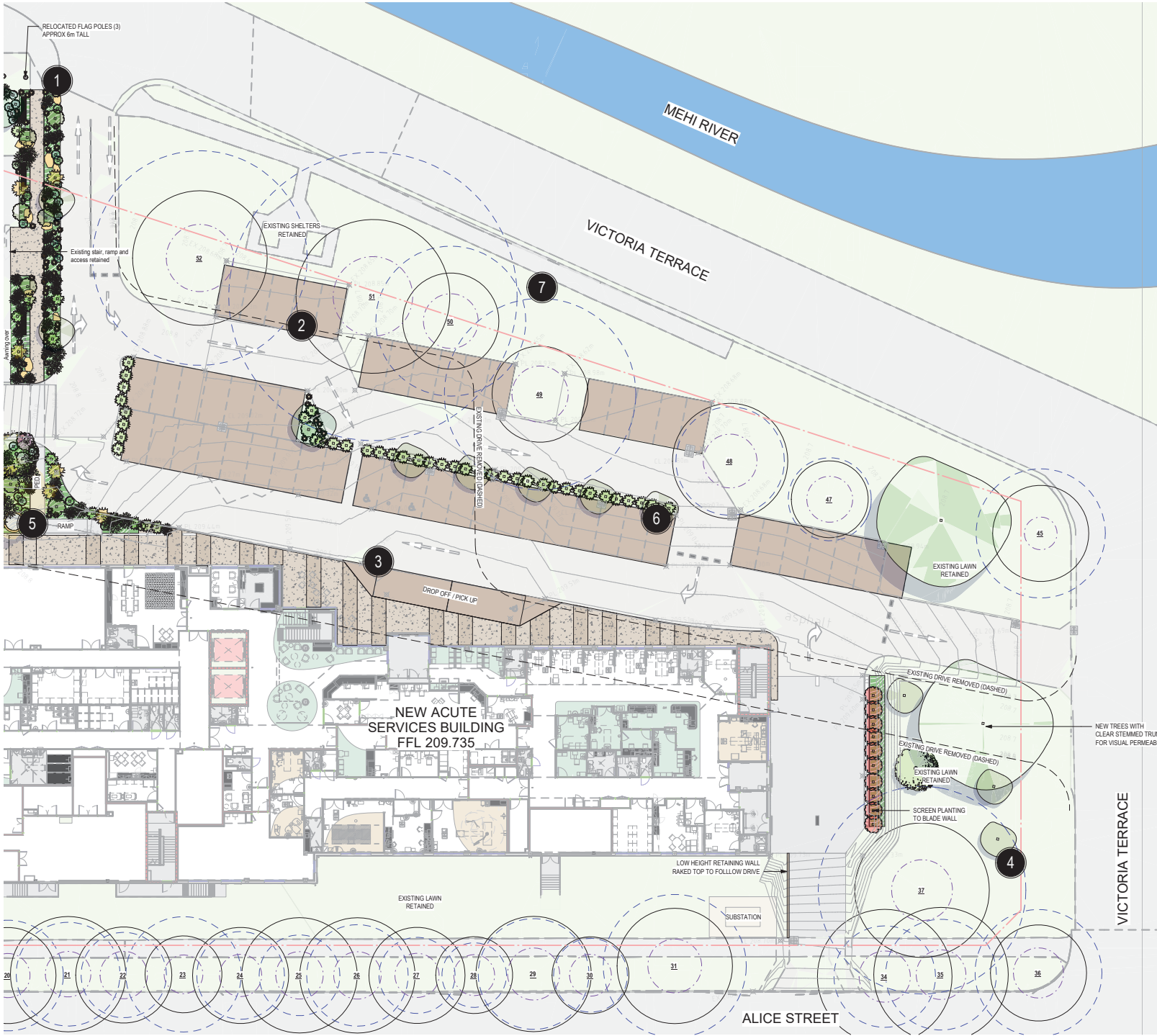
#### LEGEND

SITE BOUNDARY	EXISTING TREE RETAINED TP2 DASHED BLUE AND SR2 PURPLE	PROPOSED PERMEABLE PAVING	PROPOSED DRY CREEK BED LARGE PEBBLE	PROPOSED TURF	PROPOSED SEATING UNDER FIXED UMBRELLA	PROPOSED FIXED SEATING ELEMENT
PROPOSED TREE	PROPOSED PAVING	PROPOSED DRY CREEK BED SMALL PEBBLE	PROPOSED SHRUB PLANTING	PROPOSED FEATURE BOULDERS		

ISSUE: 07/10/2023  
CLIENT: 08/08/2023  
JOB NO: 23/04/2023  
CHECKED: AL  
DRAWN BY: GJ  
DESIGNED BY: DMT

DRAWING:  
MHR-TB-LA-DR-SW-200  
REV: FINAL REV

REV: P3  
DATE: 11/10/2023



## Design Notes

- 1 New pedestrian link to Mehi River
- 2 New permeable paved parking above existing grades (to arborists detail)
- 3 New dropoff to new Acute Services Building
- 4 New tree and understory planting to street front
- 5 New breakout seating area from ASB
- 6 New shade tree planting in carpark
- 7 Existing trees retained

## Moree Hospital Redevelopment

Review of Environmental Factors

### LEGEND

- SITE BOUNDARY
- EXISTING TREE RETAINED (TP2 DASHED BLUE AND SR2 PURPLE)
- PROPOSED TREE
- PROPOSED PERMEABLE PAVING
- PROPOSED DRY CREEK BED LARGE PEBBLE
- PROPOSED DRY CREEK BED SMALL PEBBLE
- PROPOSED TURF
- PROPOSED SHRUB PLANTING
- PROPOSED SEATING UNDER FIXED UMBRELLA
- PROPOSED FEATURE BOULDERS
- PROPOSED FIXED SEATING ELEMENT



## Design Notes

- 1 New pedestrian link to Mehi River
- 2 New water bowl / smoking ceremony bowl
- 3 Existing playground reused in new location
- 4 Existing mosaic tiles relaid into new pavements
- 5 New breakout seating area from ASB
- 6 New shade tree planting
- 7 Existing trees retained
- 8 New dry creek bed with native planting of region
- 9 New seating and breakout areas with fixed umbrellas over

23

## Detailed Plan - West

### Moree Hospital Redevelopment

Review of Environmental Factors

#### LEGEND

— SITE BOUNDARY



EXISTING TREE RETAINED  
TP2 DASHED BLUE AND  
SR2 PURPLE



PROPOSED TREE

PROPOSED PERMEABLE  
PAVING

PROPOSED PAVING

PROPOSED DRY CREEK BED  
LARGE PEBBLE

PROPOSED DRY CREEK BED  
SMALL PEBBLE

PROPOSED TURF

PROPOSED SHRUB  
PLANTING

PROPOSED SEATING UNDER  
FIXED UMBRELLA

PROPOSED FEATURE  
BOULDERS

PROPOSED FIXED SEATING  
ELEMENT

ISSUE: 07/11/2023

CLIENT: MHR-TB-LA-DR-SW-202

DATE: 11/10/2023

DESIGNED BY: DMF

DRAWN BY: GJ

CHECKED: AL

APPROVED: GJ

DRAWING:

MHR-TB-LA-DR-SW-202

REV: FINAL REV

REV: P3

DATE: 11/10/2023

DESIGNED BY: DMF

DRAWN BY: GJ

CHECKED: AL

APPROVED: GJ

**TaylorBrammer**

TAYLOR BRAMMER LANDSCAPE ARCHITECTS PTY LTD

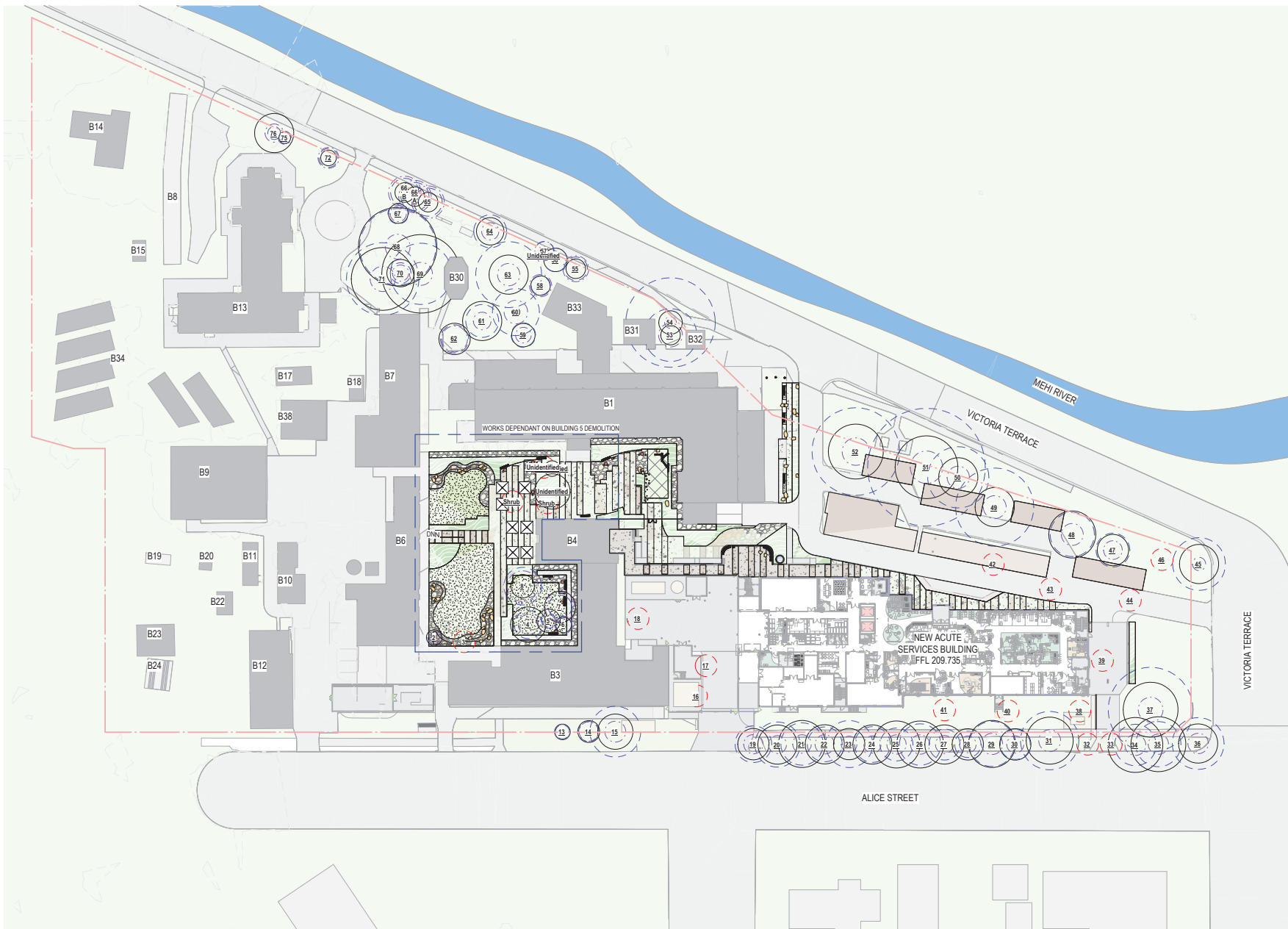
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ADN 01 006 174 988



Existing Tree Schedule		
Tree Number	Tree Species	Tree Protection Zone (TPZ)
2	Viburnum tinus	1200
3	Syagrus romanzoffiana	3360
4	Photinia serratifolia	3600
5	Pyrus calleryana	1920
6	Hibiscus spp.	2040
7	Lagerstroemia spp.	3300
8	Duranta repens	4500
13	Lagerstroemia spp.	1800
14	Morus species	2580
15	Melaleuca species	6480
16	Photinia serratifolia	3840
17	Corymbia citriodora	8360
18	Syagrus romanzoffiana	4560
19	Jacaranda mimosifolia	4680
20	Jacaranda mimosifolia	5760
21	Jacaranda mimosifolia	5400
22	Jacaranda mimosifolia	4440
23	Jacaranda mimosifolia	6000
24	Jacaranda mimosifolia	4560
25	Jacaranda mimosifolia	4200
26	Jacaranda mimosifolia	5280
27	Jacaranda mimosifolia	3860
28	Jacaranda mimosifolia	3360
29	Jacaranda mimosifolia	5760
30	Jacaranda mimosifolia	3840
31	Jacaranda mimosifolia	7440
32	Jacaranda mimosifolia	840
33	Jacaranda mimosifolia	3240
34	Jacaranda mimosifolia	5280
35	Jacaranda mimosifolia	5760
36	Jacaranda mimosifolia	6600
37	Corymbia tessellata	10800
38	Corymbia citriodora	9540
39	Eucalyptus camaldulensis	8040
40	Corymbia tessellata	10800
41	Corymbia tessellata	8640
42	Ulmus parvifolia	4800
43	Ulmus parvifolia	10800
44	Ulmus parvifolia	8640
45	Albizia sp.	6720
46	Ulmus parvifolia	1500
47	Ulmus parvifolia	4320
48	Ulmus parvifolia	5540
49	Ulmus parvifolia	9960
50	Eucalyptus camaldulensis	7800
51	Eucalyptus camaldulensis	15000
52	Eucalyptus camaldulensis	11160
53	Livistona australis	8720
54	Phoenix canariensis	11400
55	Lagerstroemia spp.	3000
56	Lagerstroemia spp.	3000
57	Hibiscus spp.	2400
58	Duranta repens	2400
59	Callistemon sp.	3120
60	Magnolia sp.	6000
61	Fraxinus ornus	4200
62	Murraya paniculata	3600
63	Corymbia citriodora	8400
64	Cercis alliquastrum	4200
65	Nerium oleander	3600
66 A	Nerium oleander	3600
66 B	Nerium oleander	3600
67	Callistemon sp.	2640
68	Corymbia citriodora	9720
69	Corymbia citriodora	7800
70	Callistemon sp.	2640
71	Corymbia citriodora	9240
72	Lagerstroemia spp.	2400
75	Lagerstroemia spp.	1500
76	Brachychiton populneus	1640

LEGEND

SITE BOUNDARY

EXISTING TREE RETAINED  
TPZ DASHED BLUE AND  
SRZ PURPLE

EXISTING TREE REMOVED

# Tree Removal and Retention Plan

ISSUED: 07th Australia  
CLIENT: 08.08.2021  
JOB NO: 21-0476  
CHECKED: AL  
DRAWN BY: GJ  
DESIGNED BY: DMT

DRAWING:  
MHR-TB-LA-DR-SW-300  
REV: FINAL REV

REV: P3  
DATE: 11.10.2023

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