



# Gunnedah Hospital Redevelopment (GHR)

70% Contract Documentation

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NORTHROP CONSULTING ALINE CARVALHAES STRUCTURAL ENGINEER NORTHROP CONSULTING

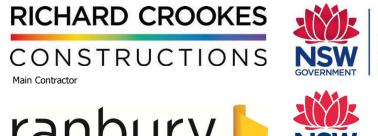
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Project Manager

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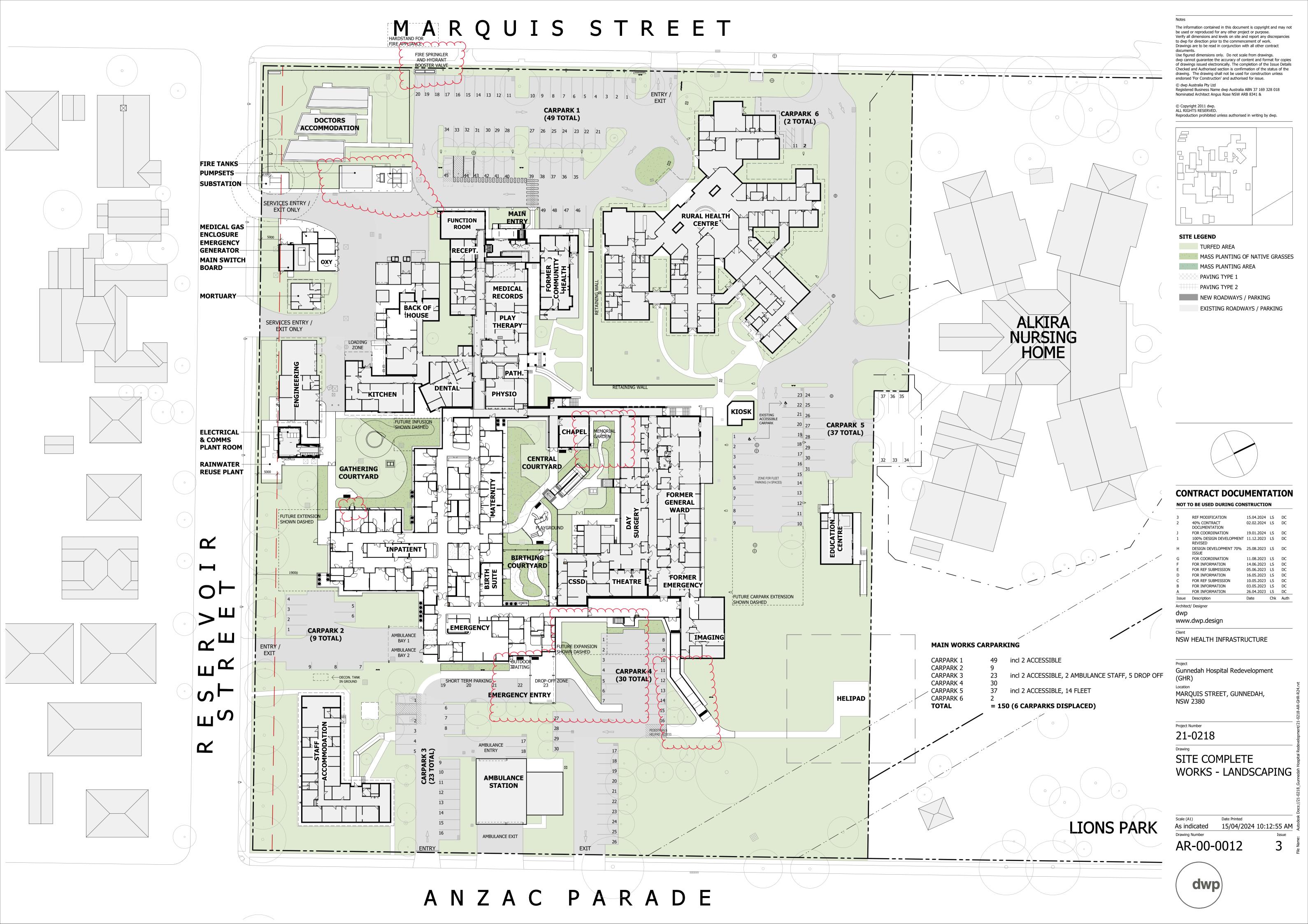


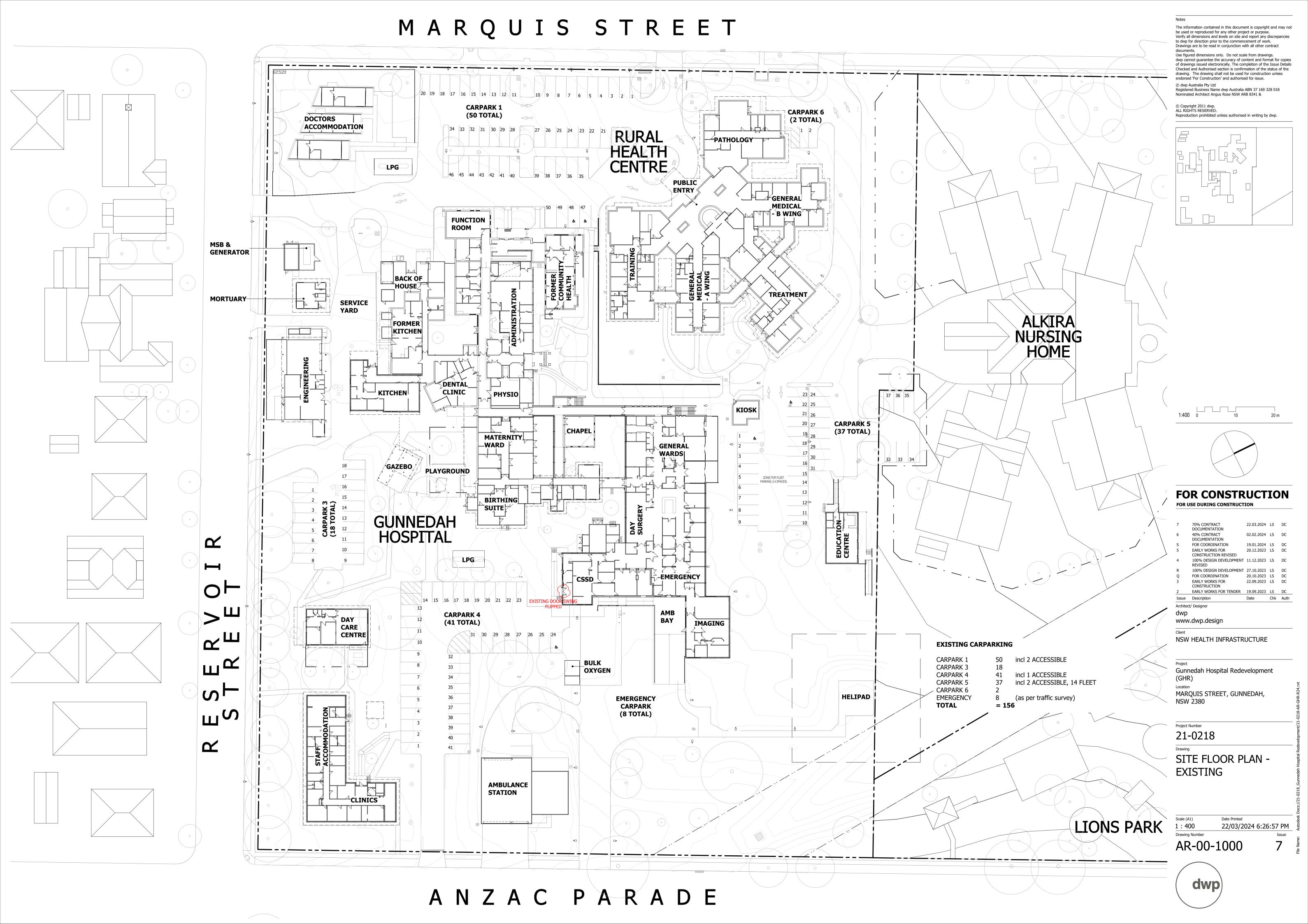
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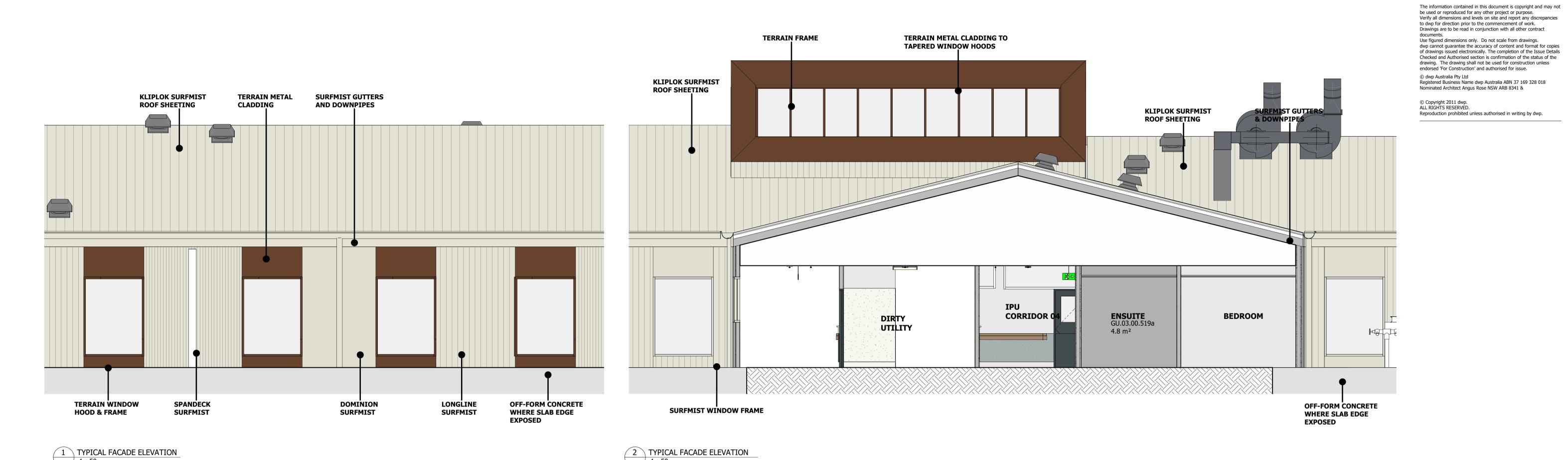
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**COVER SHEET** 







CONTEXT - AGRICULATURAL FARMING OF LIVERPOOL PLAINS
1: 200

CB03 CL03/04 CL05/06 SCR03 BWK01 CB02 **CB01** 

**FOR TENDER** 

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L	FOR COORDINATION	19.01.2024	LS	DC	
1	100% DESIGN DEVELOPMENT REVISED	11.12.2023	LS	DC	
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Issue	Description	Date	Chk	Aut	
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Architect/ Designer dwp www.dwp.design

Client
NSW HEALTH INFRASTRUCTURE

Project
Gunnedah Hospital Redevelopment
(GHR)

Location
MARQUIS STREET, GUNNEDAH,
NSW 2380

Project Number 21-0218

FACADE CONCEPT

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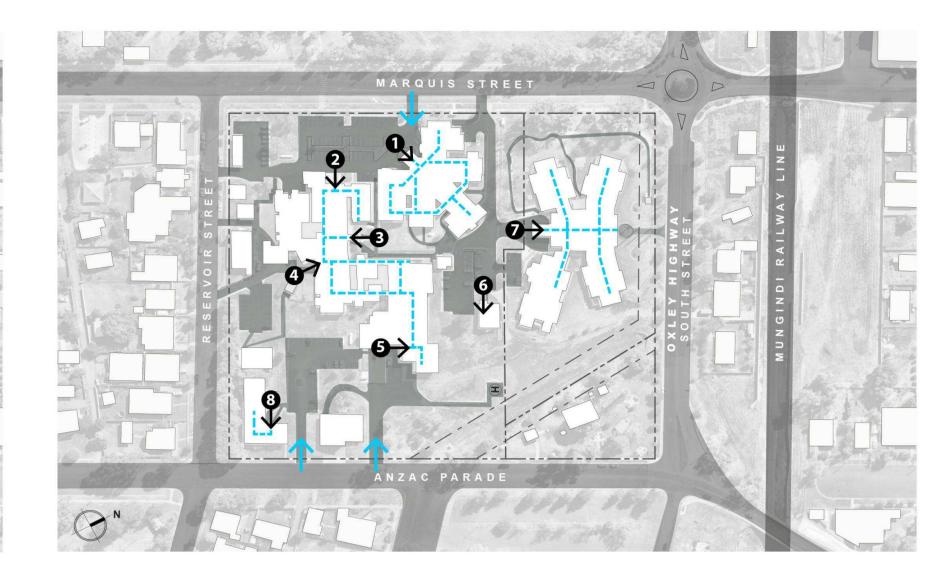
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EXTERNAL FINISHES
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MARQUIS STREET

ANZAC PARADE



MARQUIS STREET

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# SITE ANALYSIS

### Climate:

Gunnedah is located between the tropical and temperate climate zones.

Very warm to hot summers averaging 18.2 to 34 degrees. Cool to mild winters averaging 2.9 to 16.8 degrees. Temperatures regularly rise above 40 degrees in summer and drop below 0 degrees in

Gunnedah experiences mild to moderate wind conditions predominantly from the north west and south east directions. Average wind speeds range from 10 to 14km/h.

Average annual rainfall is between 500 and 600mm, with 43% falling in the summer months. Heavy downpours in catchment areas occasionally cause flooding of the Namoi River.

# **LEGEND**

Prevailing winds

### Solar access and orientation **Marquis Street** to the west provides for:

- Public car park for the Hospital and Rural Health Centre, - Shared public/service and emergency access to the car at the rear of the Rural Health Centre and the entrance to Alkira Nursing

The site has a number of vehicle entry and exit locations.

## **Reservoir Street** to the south provides for:

TRAFFIC CIRCULATION

- The service road entry/exit for engineering and support services (linen, food, and mortuary),
- Public car park shared entry exit with engineering services, - Vehicle access past engineering has been restricted with the

### **Anzac Parade** to the east provides for:

introduction of bollards.

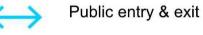
- Separate entry/exits for public car parking and emergency

**Helipad** located in the north east sector of the site has a path link to the emergency entrance.

# **LEGEND**



Emergency entry & exit



Support entry & exit



---- Public access



Helipad

### PEDESTRIAN CIRCULATION

The hospital has a number of entry locations that relate to the internal functions:

- The main entrance is from the Marguis Street car park leading through the administration areas, - A secondary entry is from the east leading into the administration
- area or directly into the inpatient unit, - Maternity entry is from the Reservoir Road car park; this is the current hospital entry during the Covid 19 pandemic,
- A separate entry to emergency and imaging from the car park from Anzac Parade,
- Due to the Covid19 pandemic, the imaging waiting area is used for emergency waiting,
- Theatre access for patients is through the main hospital entries,
- Community health services currently are housed in the Rural Health Centre with entry from the Marquis Street car park.

# **LEGEND**



Pedestrian access to the site



Public building access points



Public circulation

- Rural Health Centre entry Community Health entry
- Former Main Hospital entry
- Current Main Hospital and Covid Screening entry
- Emergency & Imaging entry
- **Education Centre entry**
- Alkira Nursing Home entry
- Clinic entry

# **DESIGN DEVELOPMENT**

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DESIGN DEVELOPMENT 70% 25.08.2023 LS DC FOR REF SUBMISSION 05.06.2023 LS DC 10.05.2023 LS DC FOR REF SUBMISSION 26.04.2023 LS DC FOR REF SUBMISSION 13.04.2023 SA DC Date Chk Auth Issue Description

Architect/ Designer www.dwp.com

NSW HEALTH INFRASTRUCTURE

**GUNNEDAH HOSPITAL** REDEVELOPMENT

MARQUIS STREET, GUNNEDAH, NSW 2380

Project Number

21-0218

SITE ANALYSIS **DIAGRAMS** 

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MARQUIS STREET

### **EXISTING BUILDINGS**

# The existing buildings on site include:

- Gunnedah Rural Health Centre,
- Gunnedah Hospital with separate associated service and support
- Alkira Nursing Home,Gunnedah Ambulance Station,
- Lions Park structures.

# **LEGEND**

# Administration zone Allied health areas

Clinical hospital zones



Back of house Staff support areas

# **TOPOGRAPHY**

The existing site has a cross fall in the order of 3 metres from the south-western sector to the north-eastern sector draining to the storm water easement/overland flow path.

The site levels surrounding the hospital buildings follow the site cross falls. A number of low points give rise to issues with overland flow routes draining back to the hospital, most notably at the Maternity building entrance.

Gunnedah Rural Health Centre has a floor level of RL 277.6 - the building is accessible from the entrance car park.

**Gunnedah Hospital** has an existing floor level of RL 279.9 as detailed on the part survey performed by Brown & Krippner in 2016 for the kitchen and cssd extensions to the hospital. The original kitchen is noted as RL 279.95, the existing CSSD is noted as RL 279.97.

# **LEGEND**

Contour lines

-- - Easement



Drainage culvert

Overland flow outlet



Highest site levels



Lowest site levels

Gunnedah Hospital is located on a large rural town site that consists of the single storey hospital buildings spread across the campus interspersed with open green spaces, numerous established trees and smaller shrubs. There is very little formal garden planting or landscaped zones on the site.

Dominant vegetation over the Gunnedah region comprises various types of eucalypt woodlands with common species including White Box, Poplar Box, Tumbledown Gum, White Cypress Pine, Ironbarks and River Red Gum.

region with conservation efforts focused on preserving and increasing the population. The primary food tree species for the koala habitat across Gunnedah includes the River Red Gum and the Coolibah. Other native animals found throughout Gunnedah include snakes, possums, kangaroos, birds and fish.

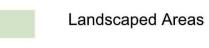
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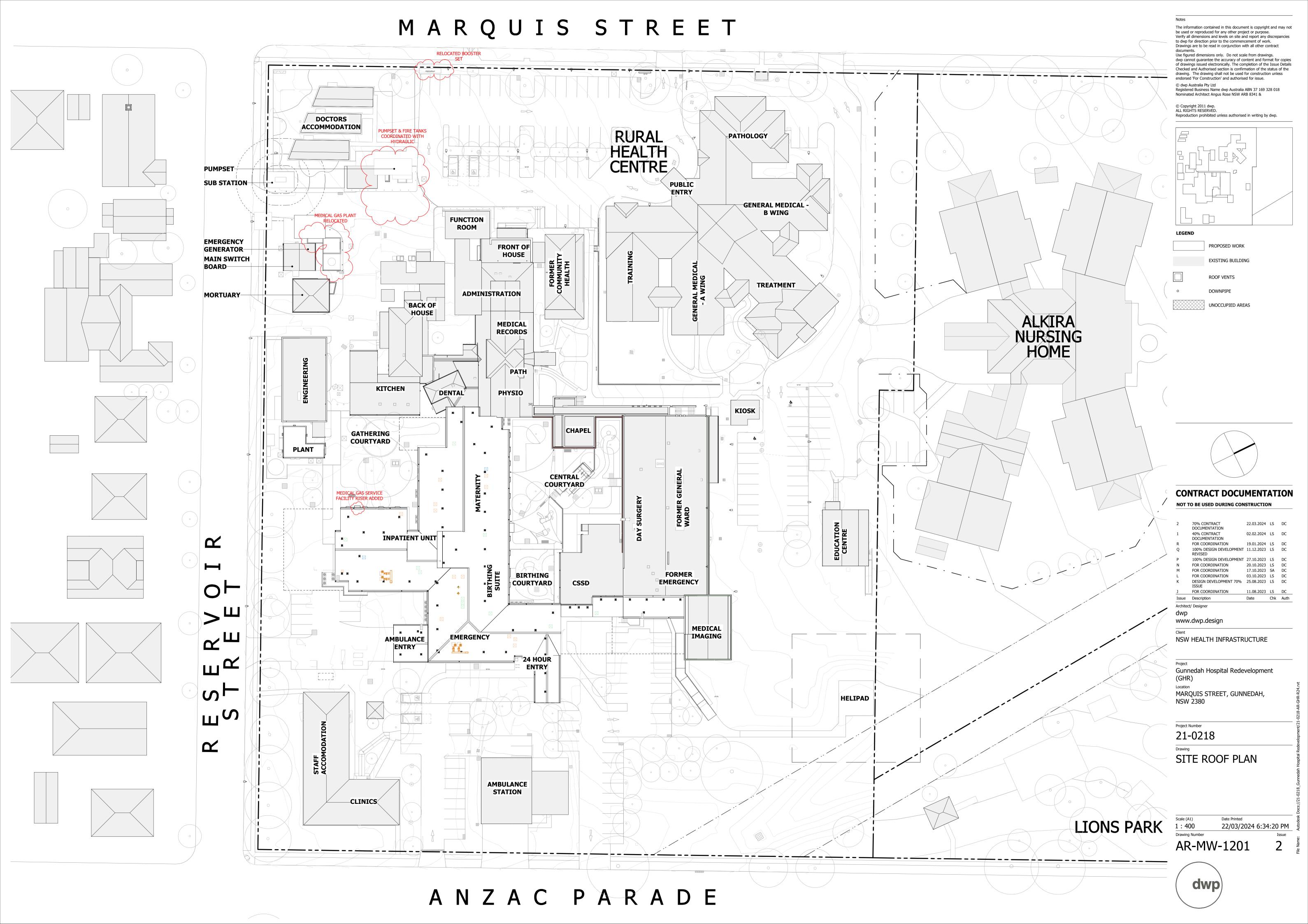
Koalas were formally a prominent species of animal that inhabited the

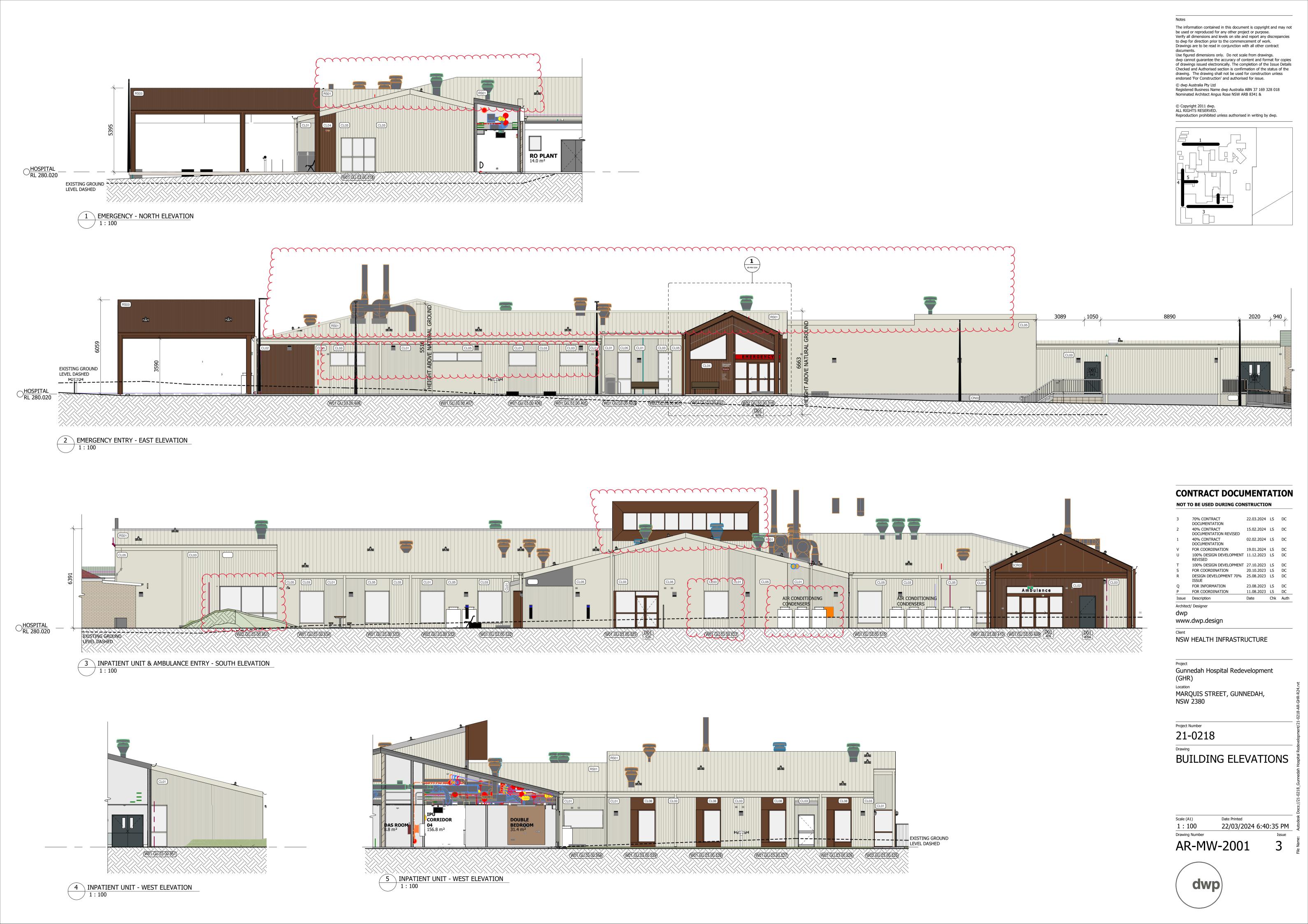
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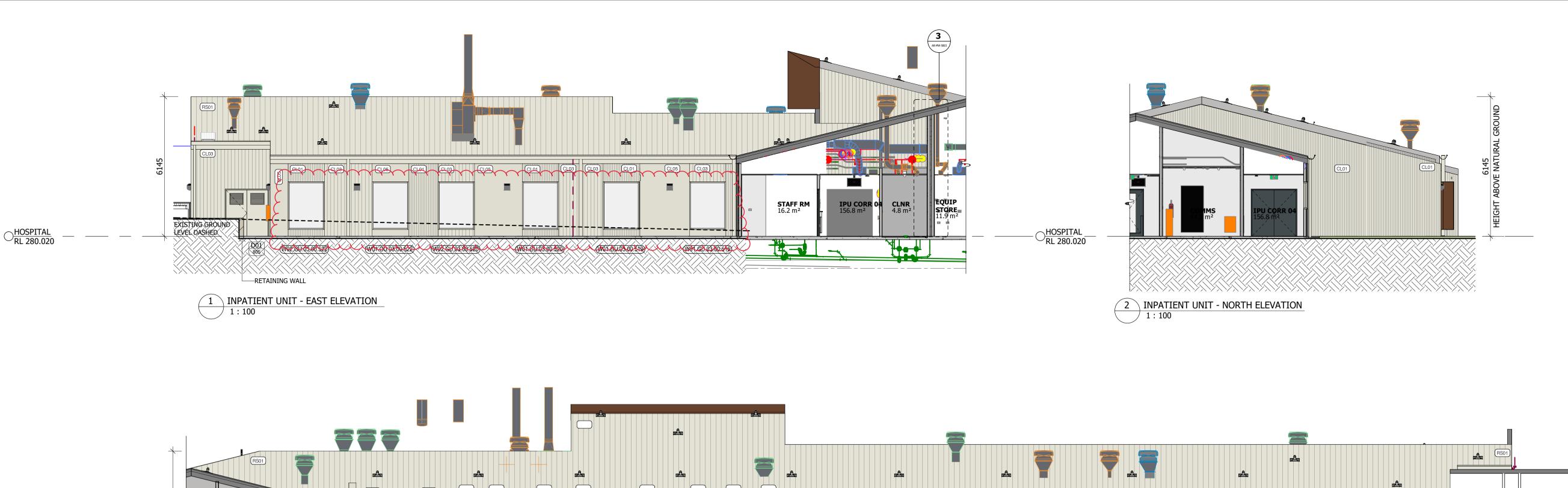


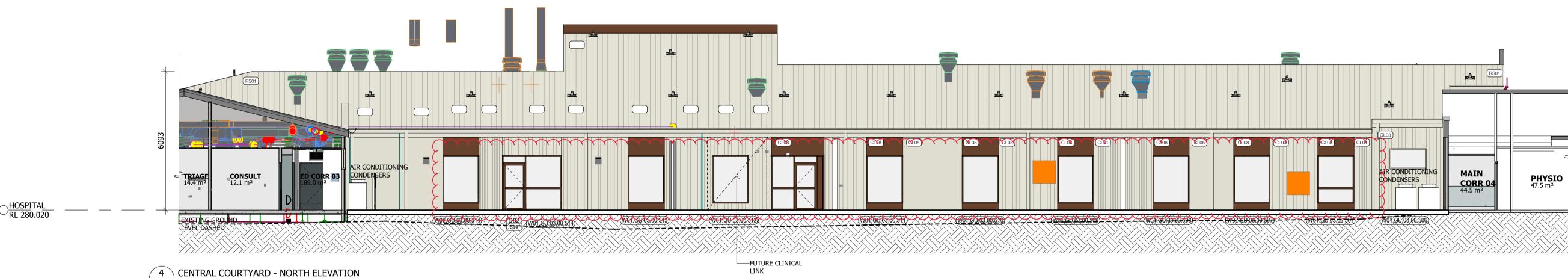
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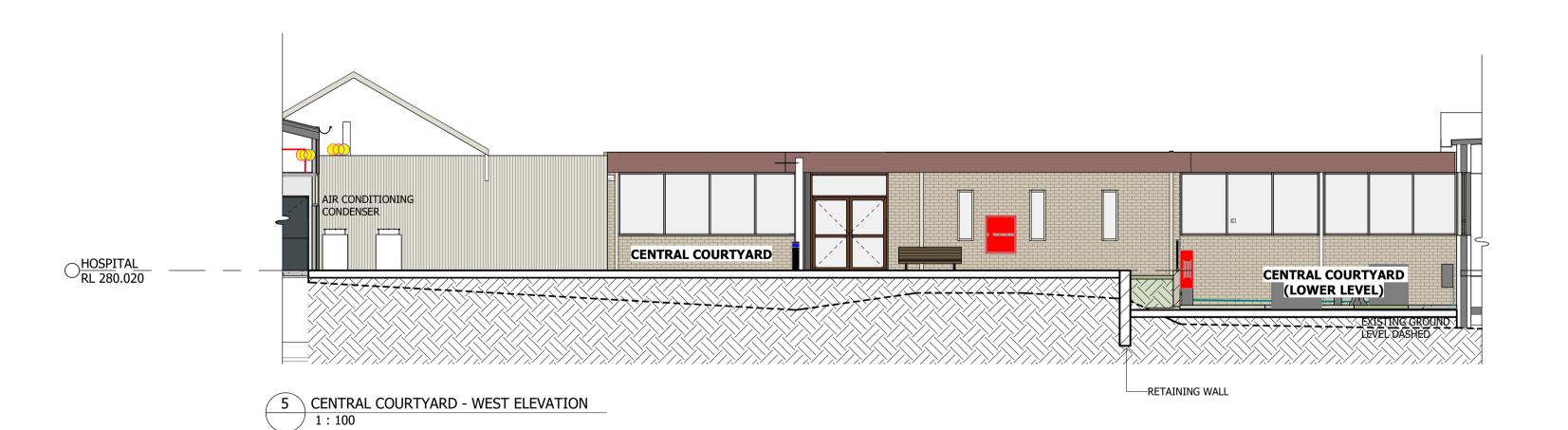


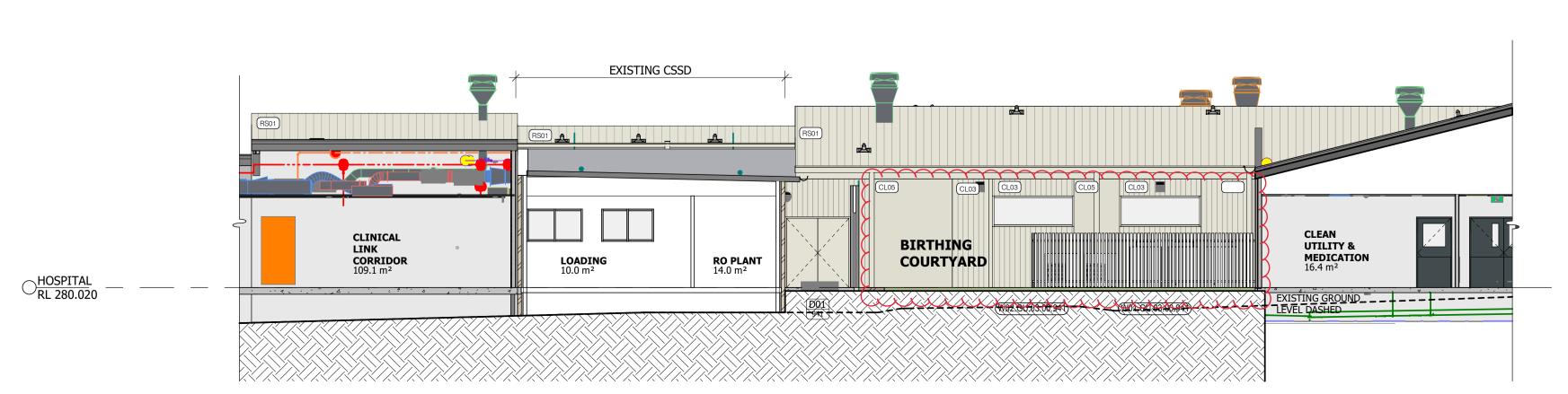












6 BIRTHING COURTYARD - WEST ELEVATION 1: 100

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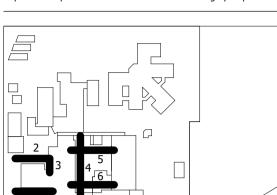
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R	100% DESIGN DEVELOPMENT	11.12.2023	LS	DC
S	FOR COORDINATION	19.01.2024	LS	DC
	DOCUMENTATION			
1	40% CONTRACT	02.02.2024	LS	DC
_	DOCUMENTATION REVISED	13.02.2024	LJ	DC
2	40% CONTRACT	15.02.2024	LS	DC
3	70% CONTRACT DOCUMENTATION	22.03.2024	LS	DC

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NSW HEALTH INFRASTRUCTURE

Gunnedah Hospital Redevelopment

Location
MARQUIS STREET, GUNNEDAH,
NSW 2380

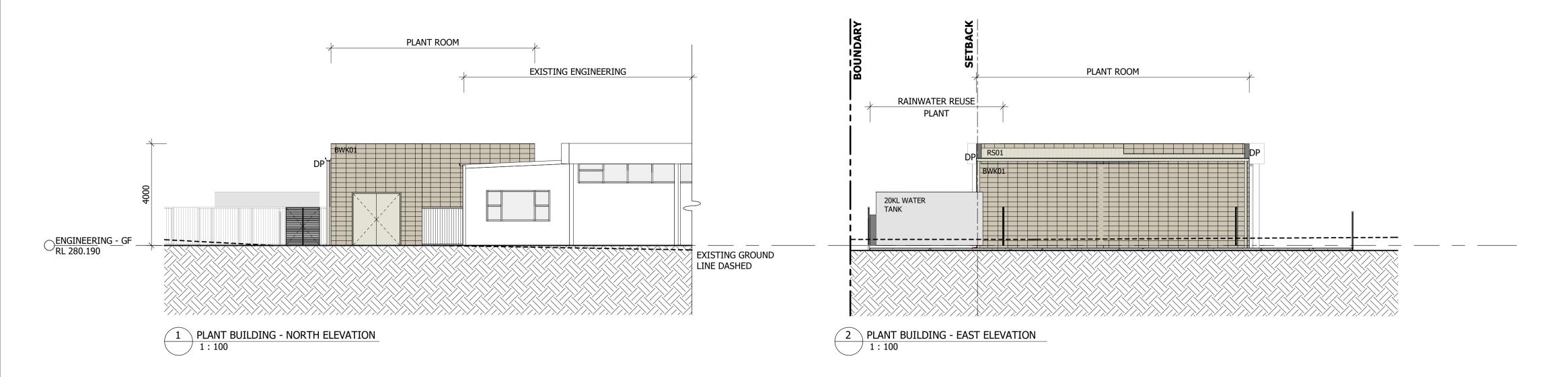
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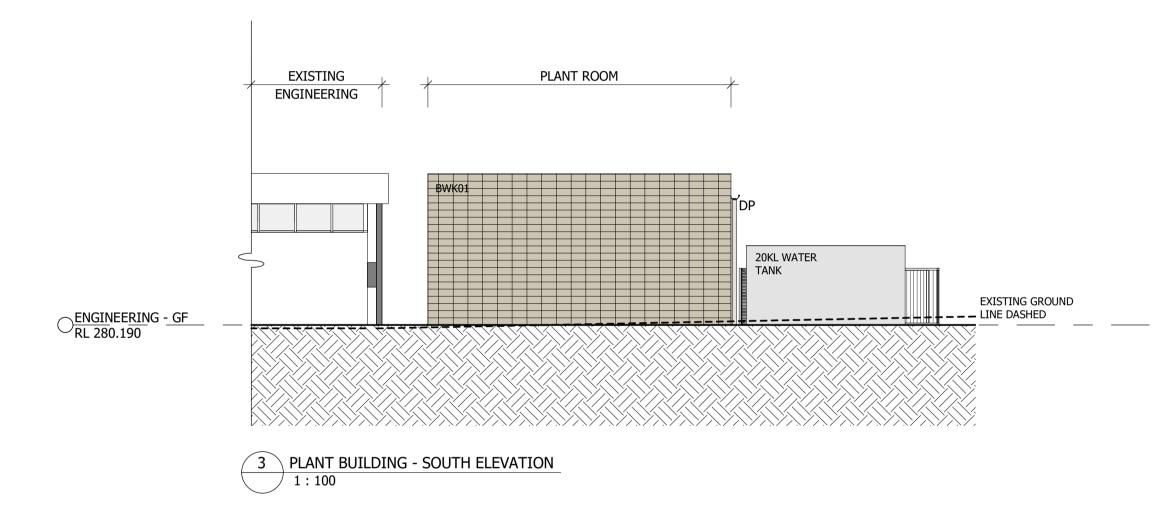
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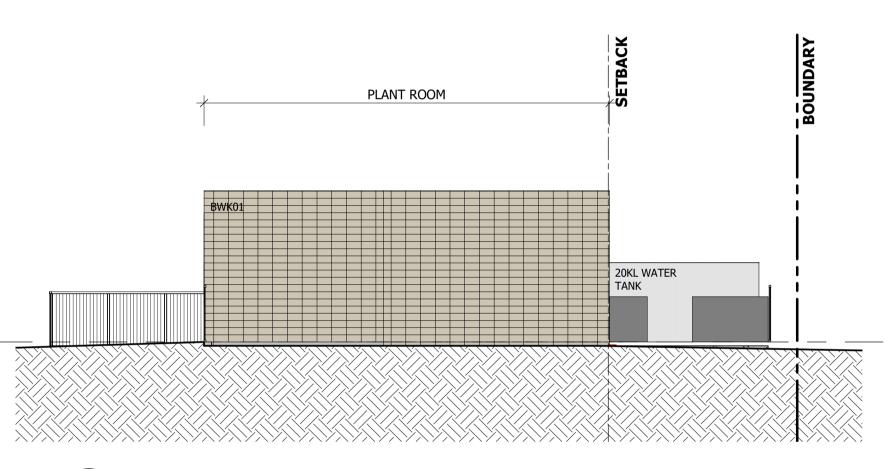
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4 PLANT BUILDING - WEST ELEVATION 1: 100

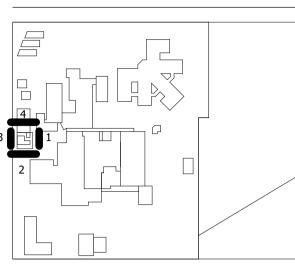
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	E	FOR INFORMATION	03.05.2023	LS	DC
	D	FOR INFORMATION	26.04.2023	LS	DC
	С	FOR REF SUBMISSION	13.04.2023	SA	DC
	1	EW TENDER ADDENDUM	03.11.2022	LS	DC
	В	100% SCHEMATIC ISSUE	17.10.2022	LS	EC
	Α	EARLY WORKS PTE	26.09.2022	SA	EC
	Issue	Description	Date	Chk	Auth
Architect/ Designer					

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NSW HEALTH INFRASTRUCTURE

GUNNEDAH HOSPITAL REDEVELOPMENT

MARQUIS STREET, GUNNEDAH, NSW 2380

Project Number

21-0218

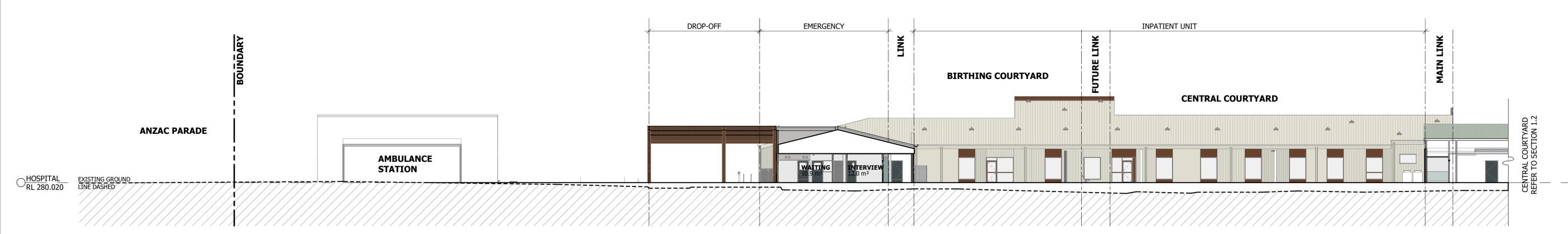
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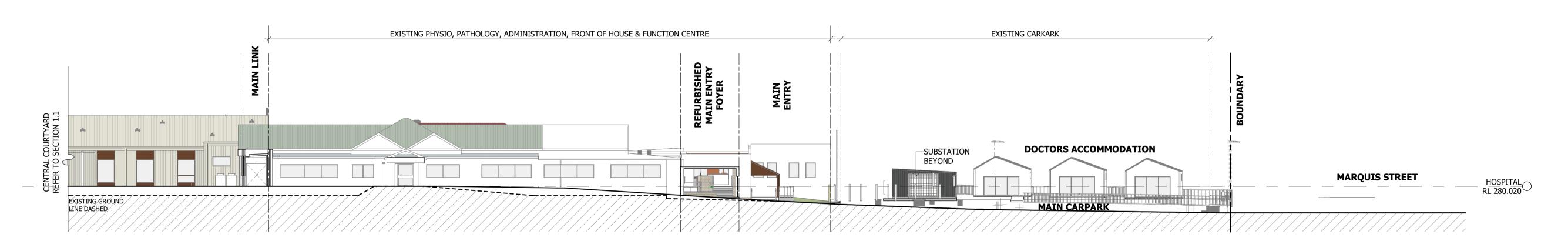
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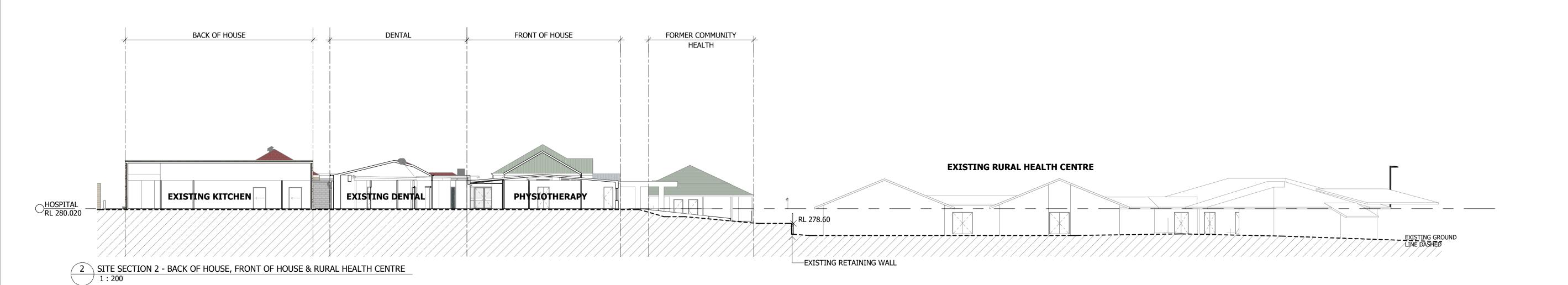




1.1 SITE SECTION 1.1 - EMERGENCY ENTRY



1.2 SITE SECTION 1.2 - EXISTING HOPSITAL - MAIN ENTRY 1: 200



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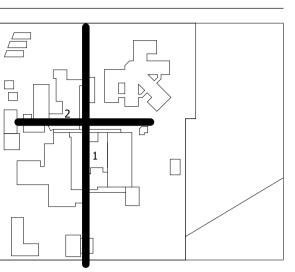
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NSW HEALTH INFRASTRUCTURE

Gunnedah Hospital Redevelopment (GHR)

Location
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NSW 2380

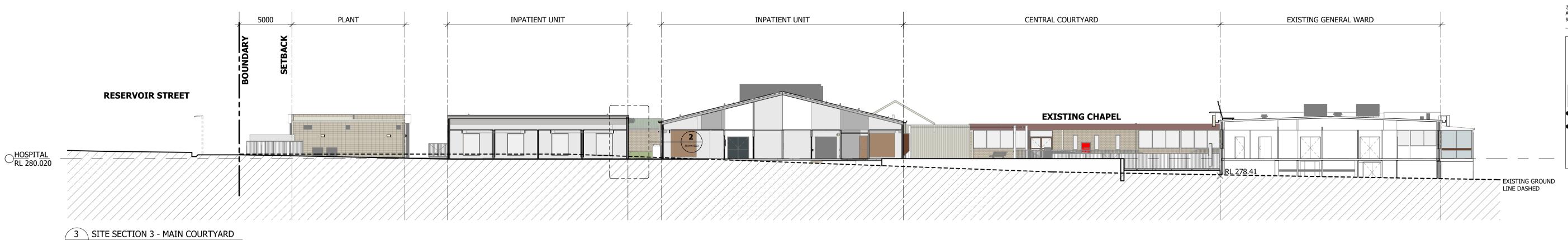
Project Number 21-0218

SITE SECTIONS

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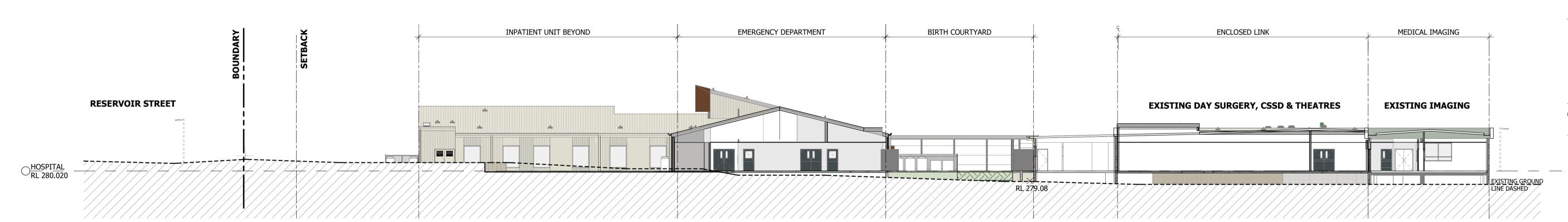
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4 SITE SECTION 4 - BIRTHING COURTYARD 1: 200



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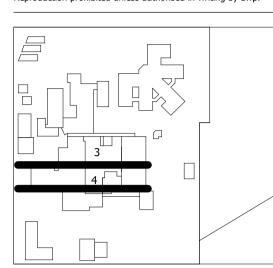
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NSW HEALTH INFRASTRUCTURE

Gunnedah Hospital Redevelopment

(GHR) MARQUIS STREET, GUNNEDAH, NSW 2380

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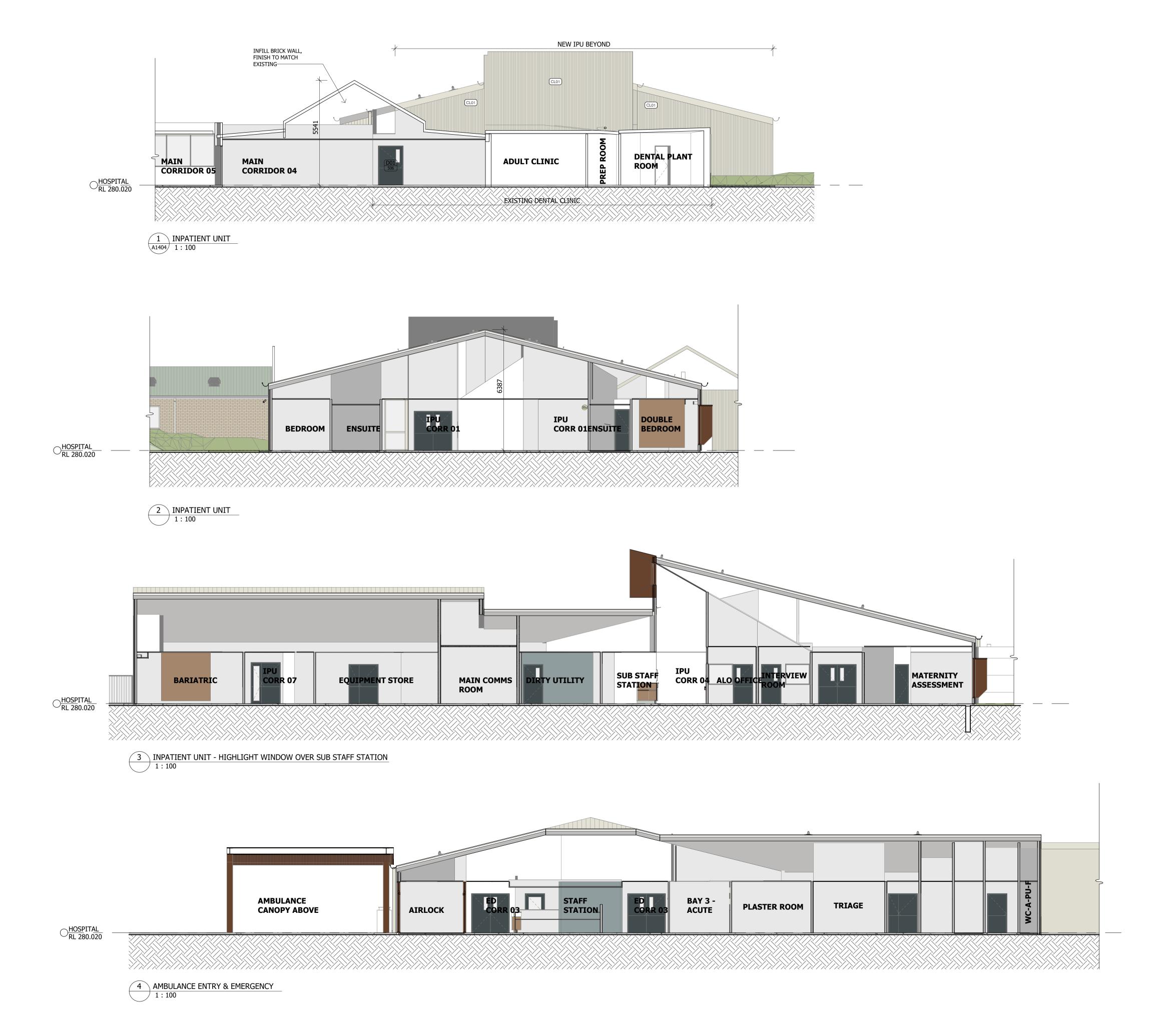
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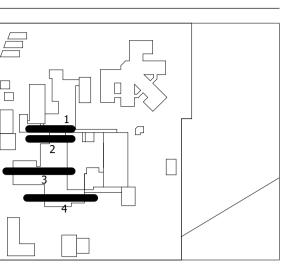
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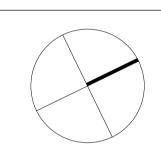
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Architect/ Designer

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NSW HEALTH INFRASTRUCTURE

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Gunnedah Hospital Redevelopment
(GHR)

MARQUIS STREET, GUNNEDAH, NSW 2380

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**BUILDING SECTIONS** 

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