

Ambulance Canopy

Design & Access Statement

Barnsley Hospital NHS
Foundation Trust

DAY

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This Design and Access Statement has been produced by **DAY Architectural** on behalf of **Barnsley Hospital NHSFT** for the new **Ambulance Canopy** and submitted to Barnsley Council.

The design has been developed in conjunction with:

Barnsley NHSFT - Client

Fordingbridge - Specialist Canopy Designer & Manufacturer

Version: REV P1
Date issued:

DAY

00

Introduction &
Overview

0.1 Background // Overview

The proposed EDCAU has been designed to support the bringing together of the Children's Emergency Department (ED) and Children's Assessment Unit (CAU) into a co-located integrated model of care to support the rapid turnaround of children using an assessment model in place of a traditional, predominantly inpatient based, model on behalf of Barnsley Hospital NHS Foundation Trust.

The paediatric offer in Barnsley has significant scope for modernisation and transformation. Ensuring appropriate ambulatory services are in place is a key enabler to the delivery of broader Integrated Care System (ICS) plans, which is a critical component of the future operating model of the district general hospital.

This initiative aims to deliver a better patient experience for children and families accessing urgent and emergency paediatric care at Barnsley Hospital. The proposed physical reconfiguration of the Emergency Department footprint, releasing

additional adult ED capacity, will significantly strengthen the Trust's clinical strategy of consistently delivering urgent and emergency care within the 4 hour access standard.

In order to support the above, the Phase 1 Works for the relocation of the ambulance bays has been completed as Permitted Development.

To ensure that there is a sufficient sheltered walkway between the new EDCAU and the Phase 1 Ambulance Bays, this application proposed the erection of a single storey canopy to connect both Phases.

IMPORTANT:

Please note that this application has been prepared in conjunction with the following:

- Phase 1 works of the EDCAU which has been granted to proceed as Permitted Development
- EDCAU Phase 2 Outline Planning application REF - APPLICATION NO. 2018/0918



02. Project Phasing Overview

The Children's Assessment Unit and Children's Emergency Department will be brought together into a new build co-located integrated model of care to support the rapid turnaround of children using an assessment model in place of a traditional, predominantly inpatient based model. This will relocate the current CAU from the eighth floor of KL Block onto the ground floor, adjacent to the existing emergency department.

Phase 1:

To enable this to happen, the existing ambulance entrance will be re-located from the North elevation fronting onto to Gawber Road, to the East elevation of the new build.

This will mean that essential adjacencies to resus and the bereavement suite will be retained, as will a single point of ambulance arrival and handover for both adults and children.

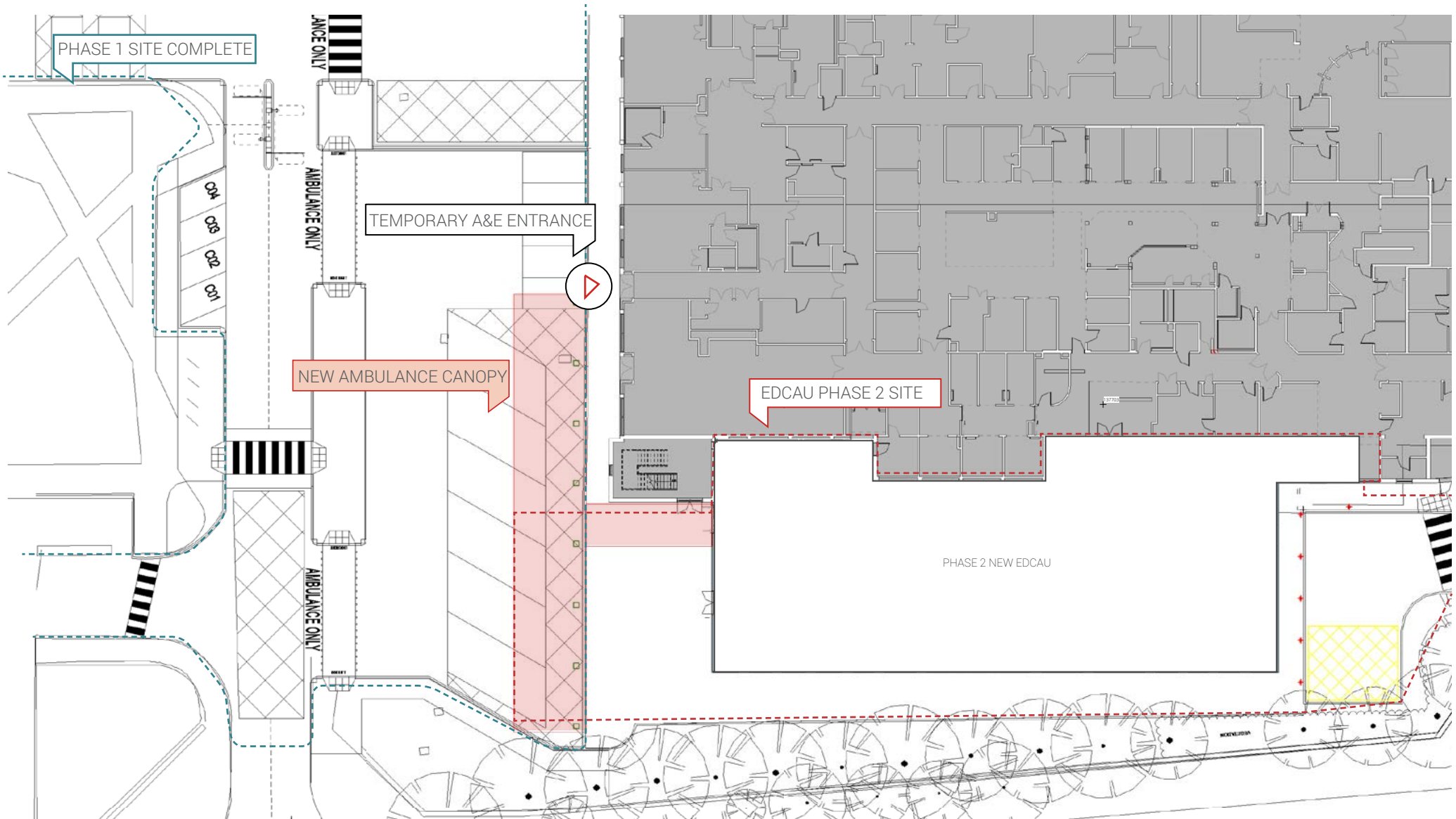
Once the external works are complete, a temporary ambulance will be created, and work on the new build will commence.

Phase 2:

When the new build is complete, the Paediatric emergency department and CAU will move in and occupy the new build, and work will commence on the adult majors expansion.

During the works for Phase 2, there will be an erection of the ambulance canopy to cover the ambulance bays and a temporary shelter to connect to the temporary ambulance entrance. Once the EDCAU are near to completion the connection from the ambulance sheleter to the EDCAU will be erected to ensure it is in place prior to the completion of Phase 2 to allow for the revised blue light route.

**The New EDCAU aims to To
reduce the number of patients
being admitted for an inpatient
stay where they could be treated**



01

Site Context &
Analysis

01

Site Context & Analysis

Macro to Micro Scale



1.1.1 Macro Context

Barnsley is a town in South Yorkshire, England, located halfway between Leeds and Sheffield. Historically in the West Riding of Yorkshire, the town centre lies on the west bank of the Dearne Valley.

1.1.2 Meso Context

Barnsley is surrounded by several smaller settlements which together form the Metropolitan Borough of Barnsley, of which Barnsley is the largest and its administrative centre.

1.1.3 Micro Content

The hospital provides a full range of district services to the local community and surrounding area. These include emergency department services, outpatient clinics, inpatient services and maternity and children's services.

1.1.4 Proposed Site

The proposed site is to the North & East of the Hospital site and sits directly in front of the new EDCAU.

01

Site Context & Analysis

Site Context



 Ambulance Canopy Location

-  Barnsley Hospital
-  Renal Dialysis Trust HQ
-  Mortuary
-  Estates and Facilities
-  Education Centre
-  Admin Block
-  Staff Parking
-  Public Parking
-  Accessible Parking



01

Site Context & Analysis

Historic Analysis

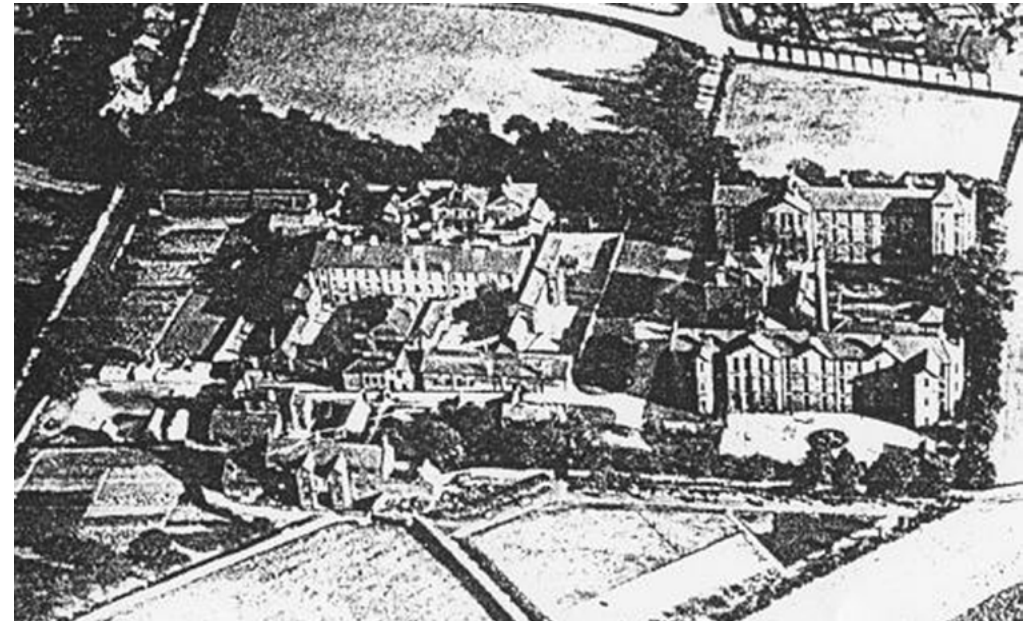
1.2 Historic Mapping

The following historic maps and images illustrate the development of the proposed site and the surrounding context for approximately 130 years. The maps show how the site has developed from a rural context to an urban one as well as the significant development of the Hospital Site.



1890

Barnsley Hospital has its origin in the infirmary wards of Barnsley workhouse. Barnsley Poor Law Union was formed in early 1850 but the town workhouse in St Mary's Place remained in use until new, purpose-built premises were built in 1852 in Gawber Road. Additions to the infirmary accommodation were made in 1875.



Barnsley North-West 1928

01

Site Context & Analysis

Historic Analysis



1950

It became Barnsley Municipal Hospital in 1930 but renamed St Helen Hospital in 1935 before joining the National Health Service in 1948.



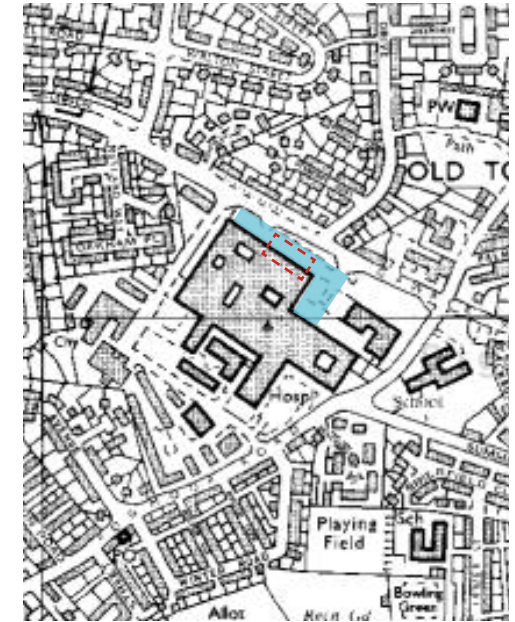
1970

The old workhouse buildings used by the St Helen Hospital were demolished.



1980

There was a major redevelopment of the site to create Barnsley District General Hospital. This was completed in 1977. Stone from the demolished St Helen Hospital was recovered and used in the landscaping of the area around the main entrance of the new Barnsley District General Hospital.



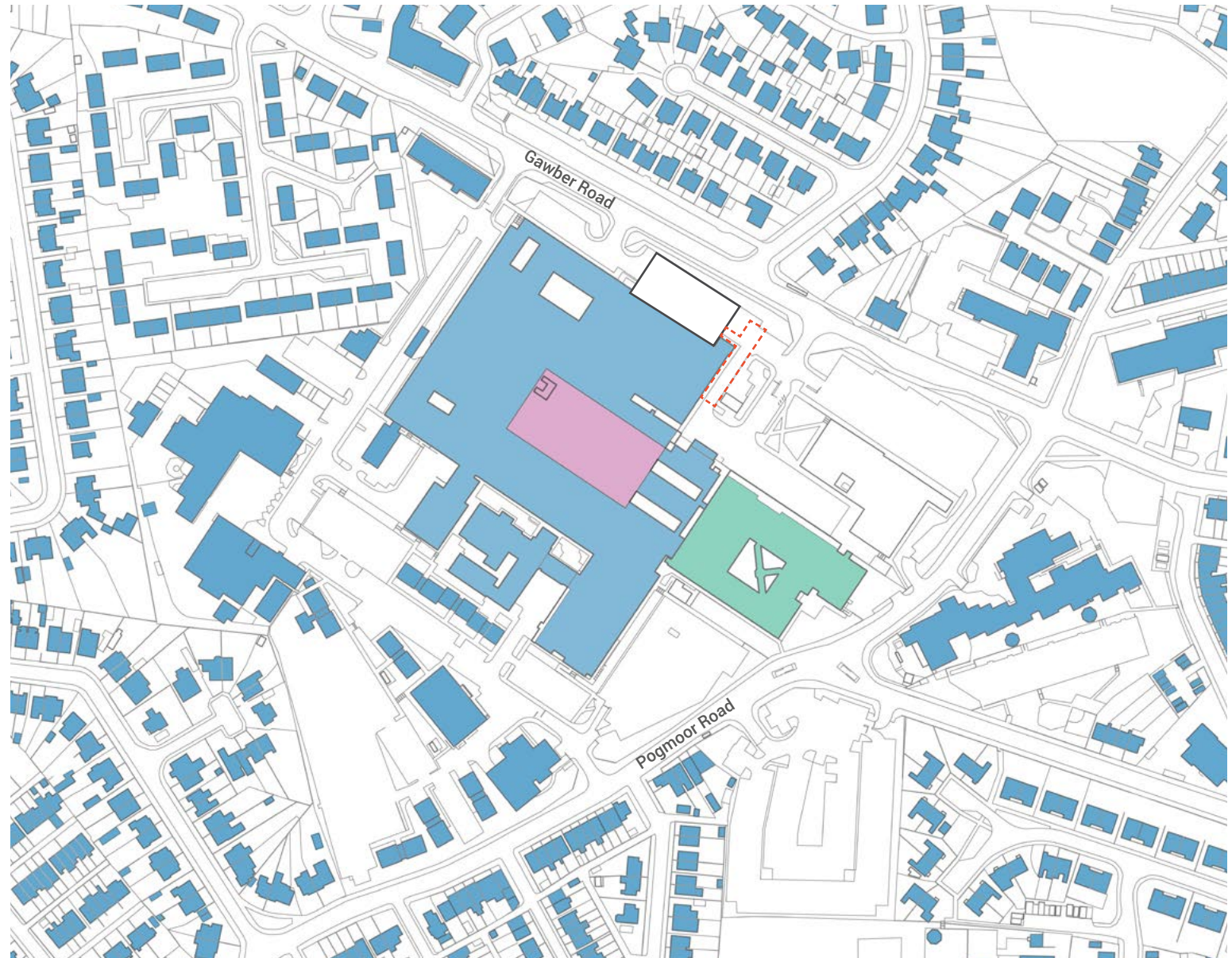
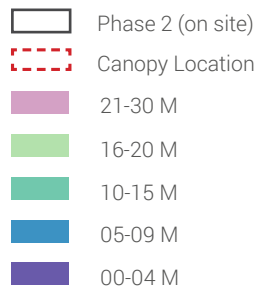
1990

Barnsley District General Hospital gained Trust status in 1993.

1.6 Building Heights

The building heights surrounding the site are all relatively of a similar nature. The Hospital site and the surrounding areas are all relatively low rise and of a domestic scale.

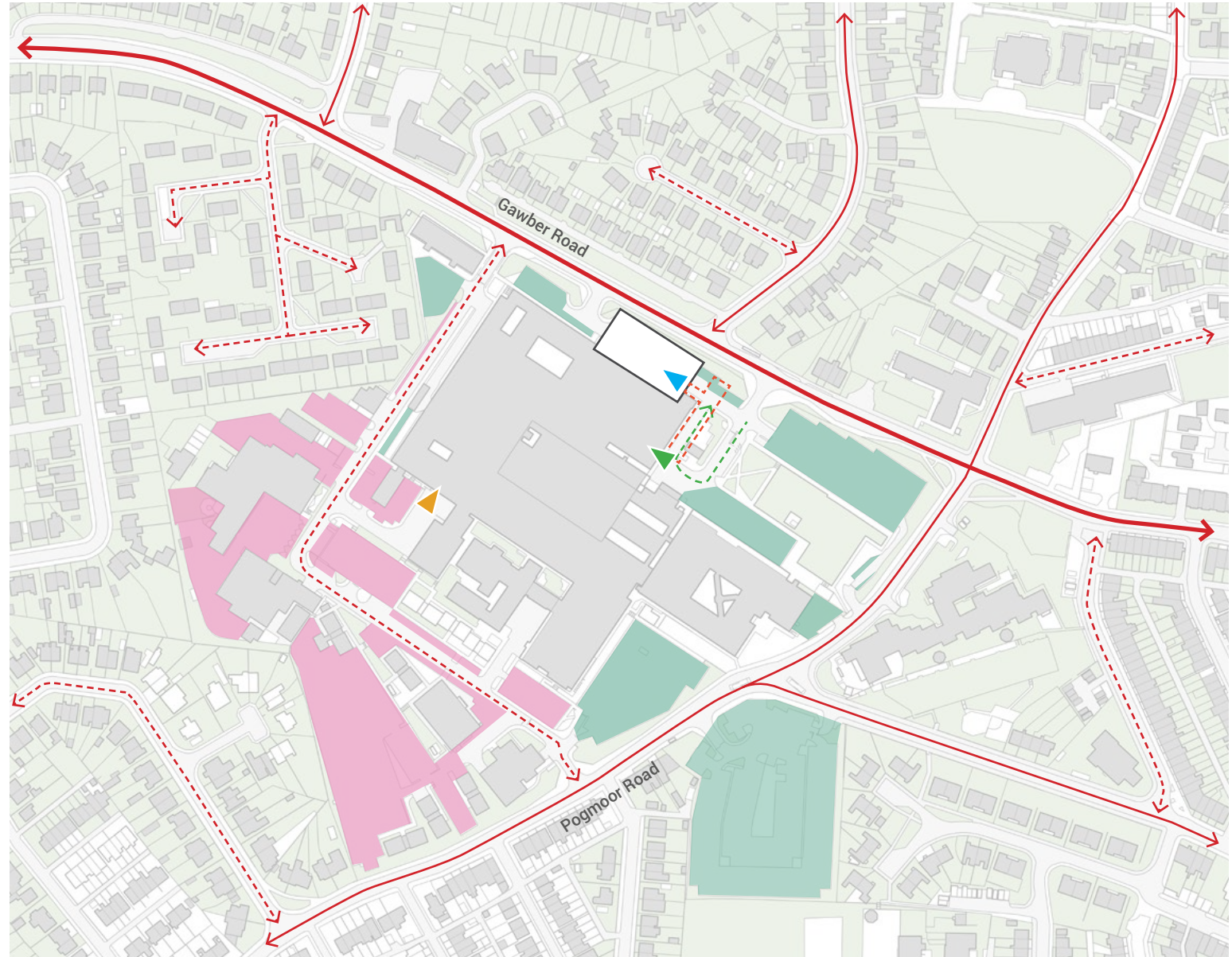
The only element that is much more prominent is the height of the existing tower block which is often used as a wayfinding element to locate the Hospital are not many high rise buildings within a large proximeter of the site.





1.9 Vehicular Routes

The main approach to the site is along Gawber road, of which the proposed EDCAU will be fronting. This can be a very busy road as it is a key access road to the hospital.

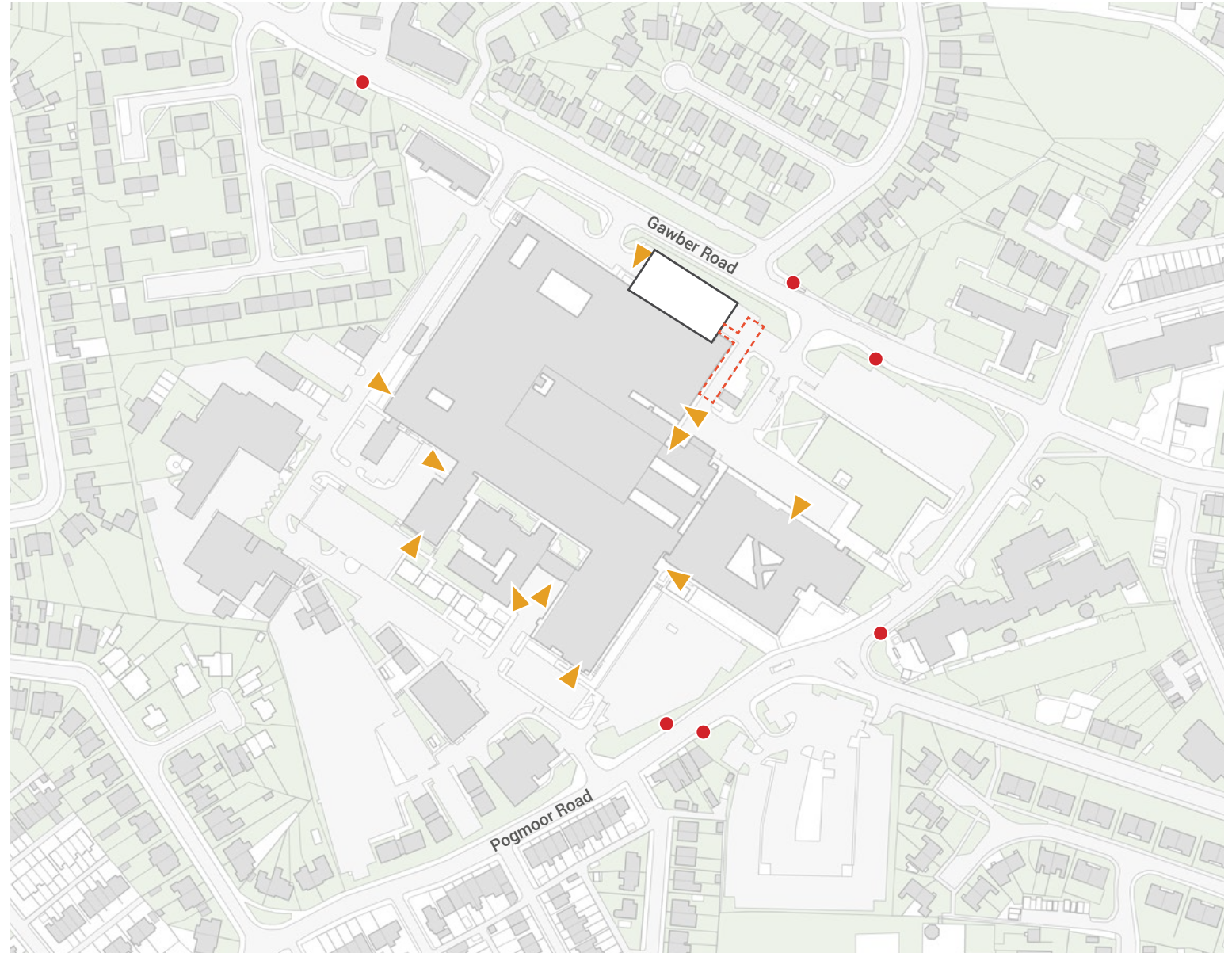






- Phase 2 EDCAU
- ↔ Primary Roads
- ↔ Secondary Roads
- ⋯ Tertiary Roads
- ⋯ Service Roads
- ⋯ Ambulance Route
- Car Park
- ▲ Deliveries
- ▶ Temp. Ambulance Access
- ▶ Ambulance Access following Phase 2 completion



1.10 Pedestrian Routes

The existing pedestrian routes are varied across the existing Hospital site.



-  Site Location
-  Key Pedestrian Routes
-  Pedestrian Access to Hospital Entrances
-  Bus Stop

02

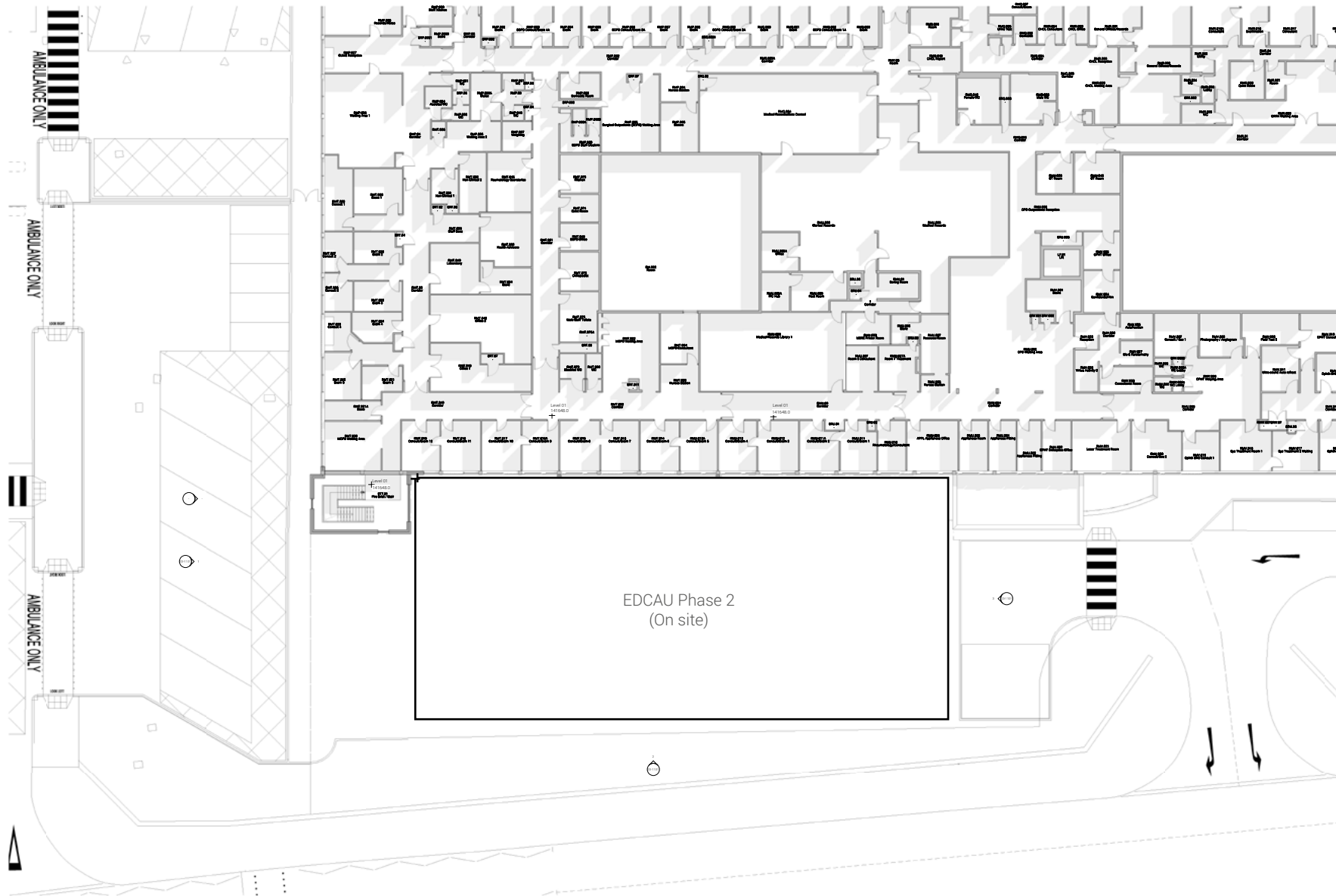
Existing Information



02

Existing Information

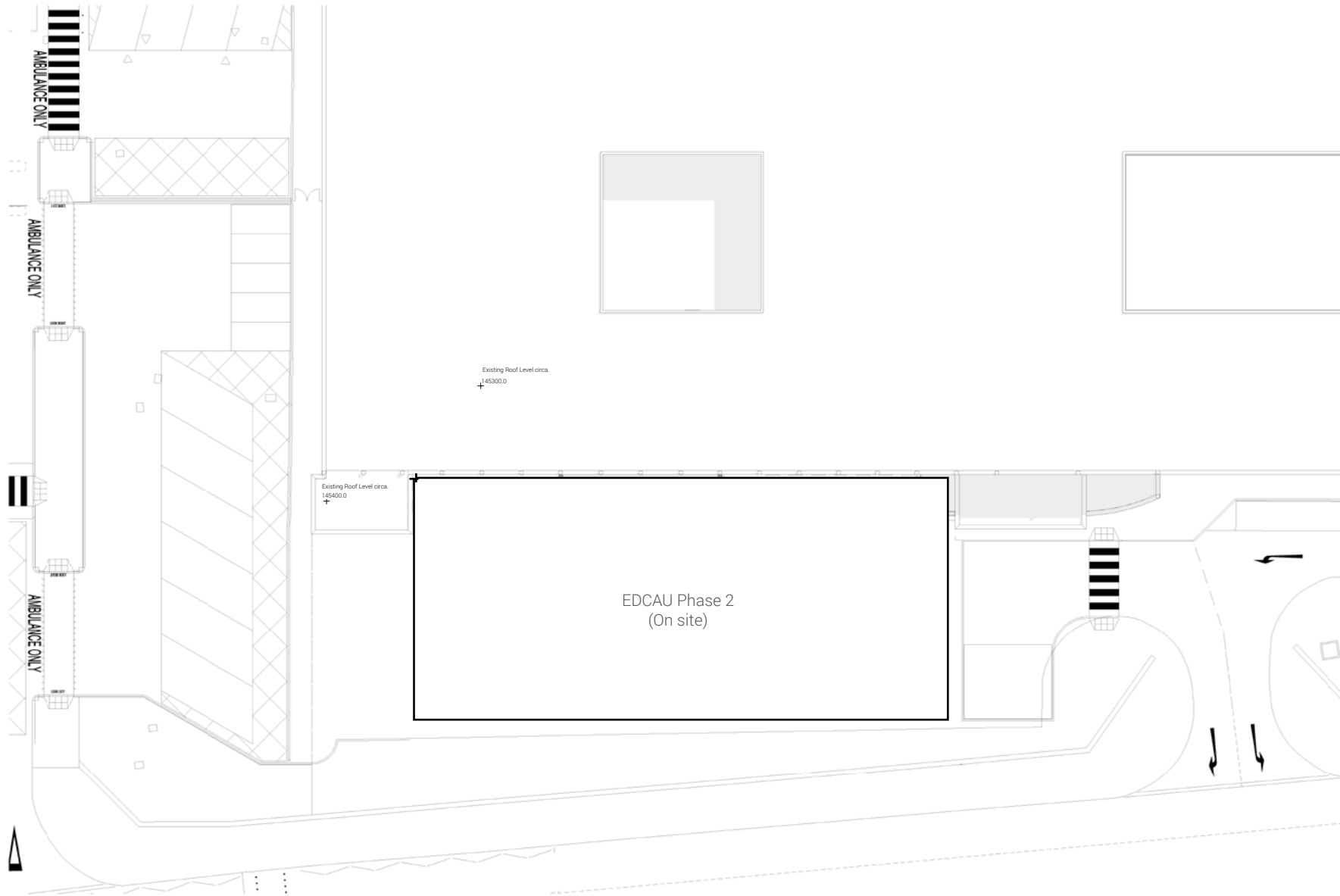
Existing First Floor Plan



02

Existing Information

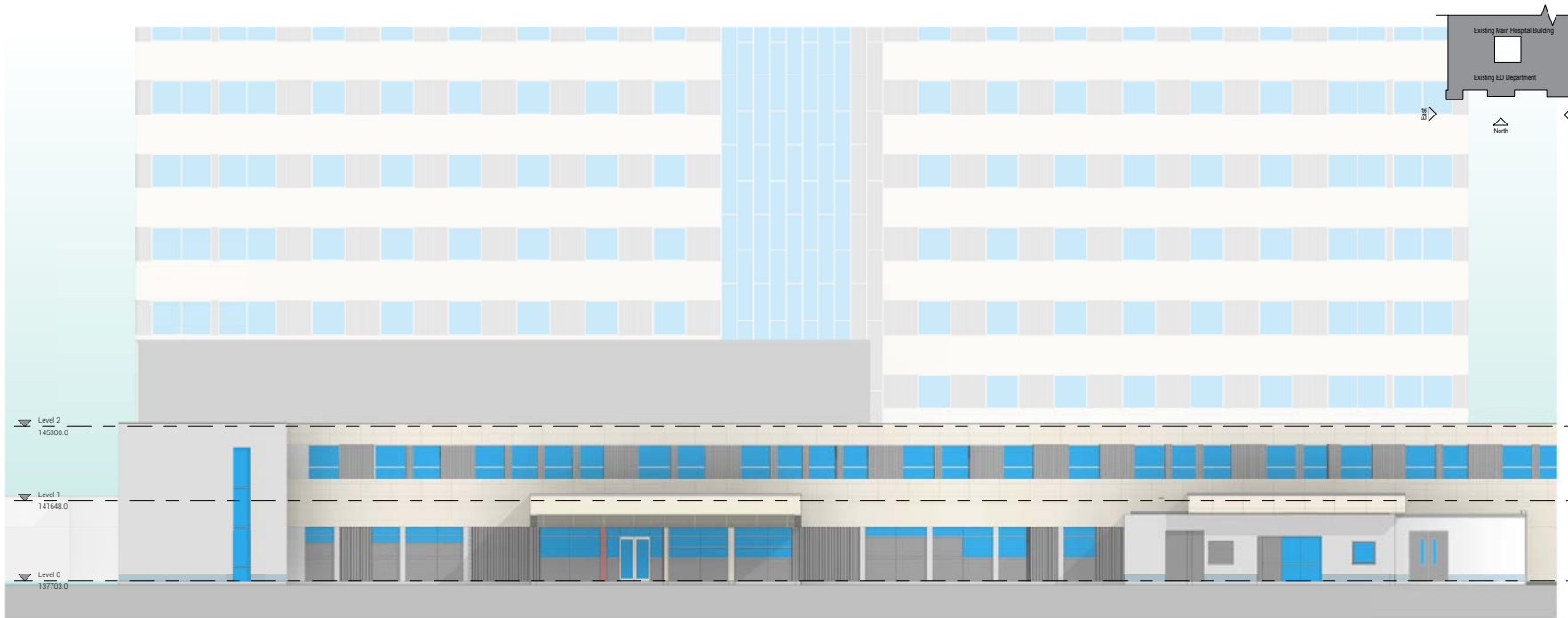
Existing Roof Plan



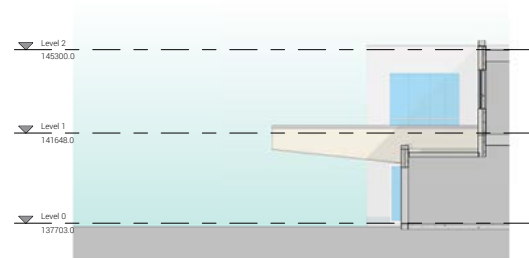
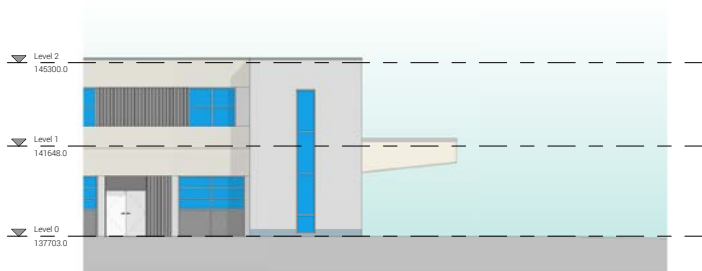
02

Existing Information

Existing Elevations



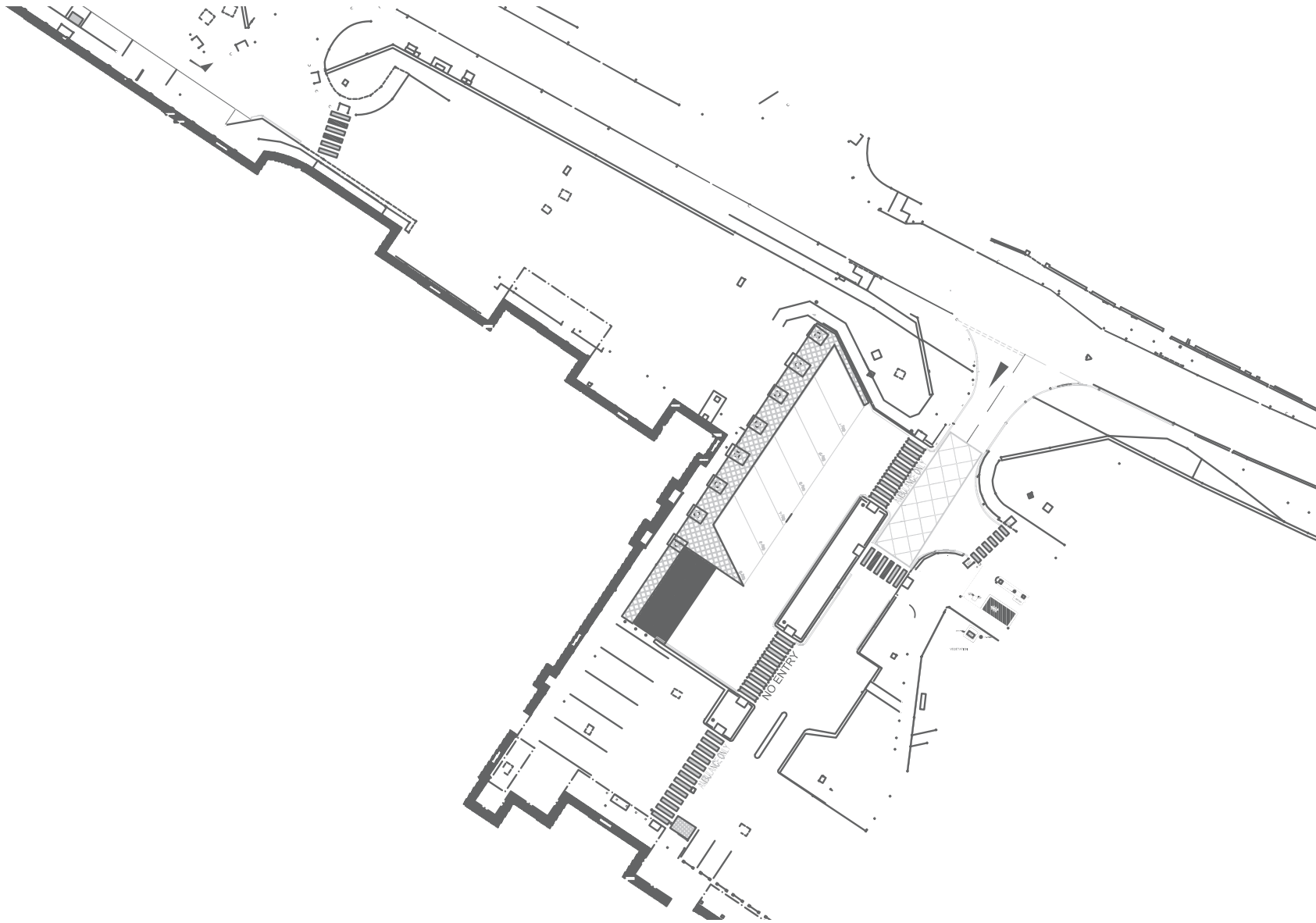
Existing Elevation North
1:100



02

Existing Information

Existing Phase 1 Information



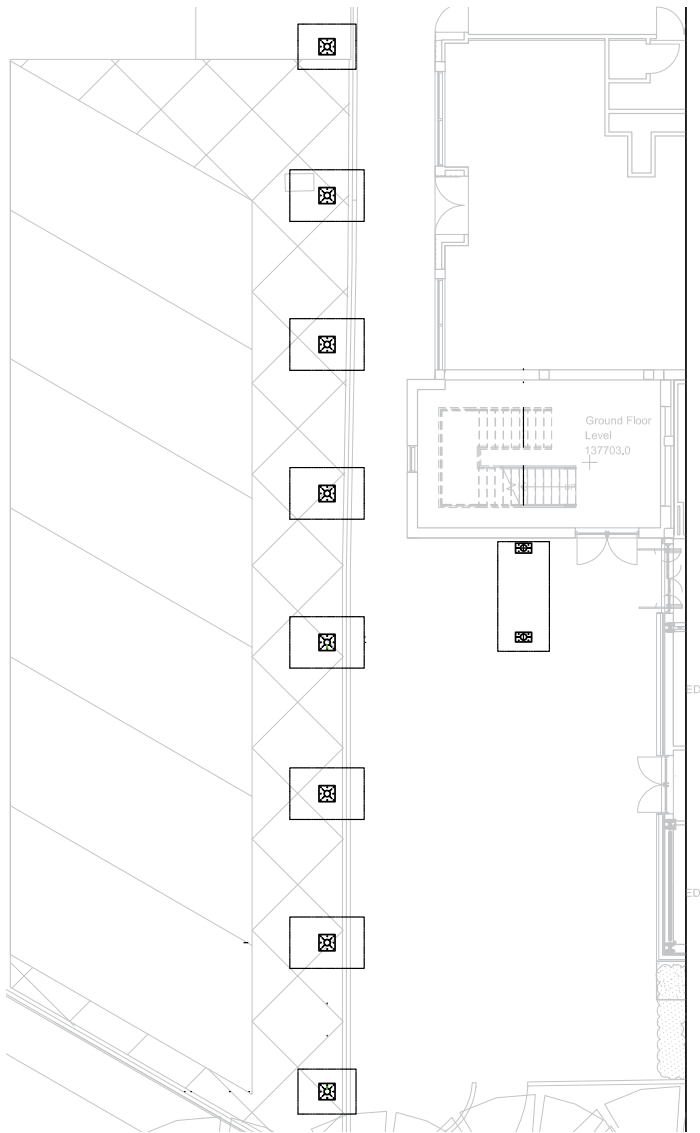
03

Proposed Information

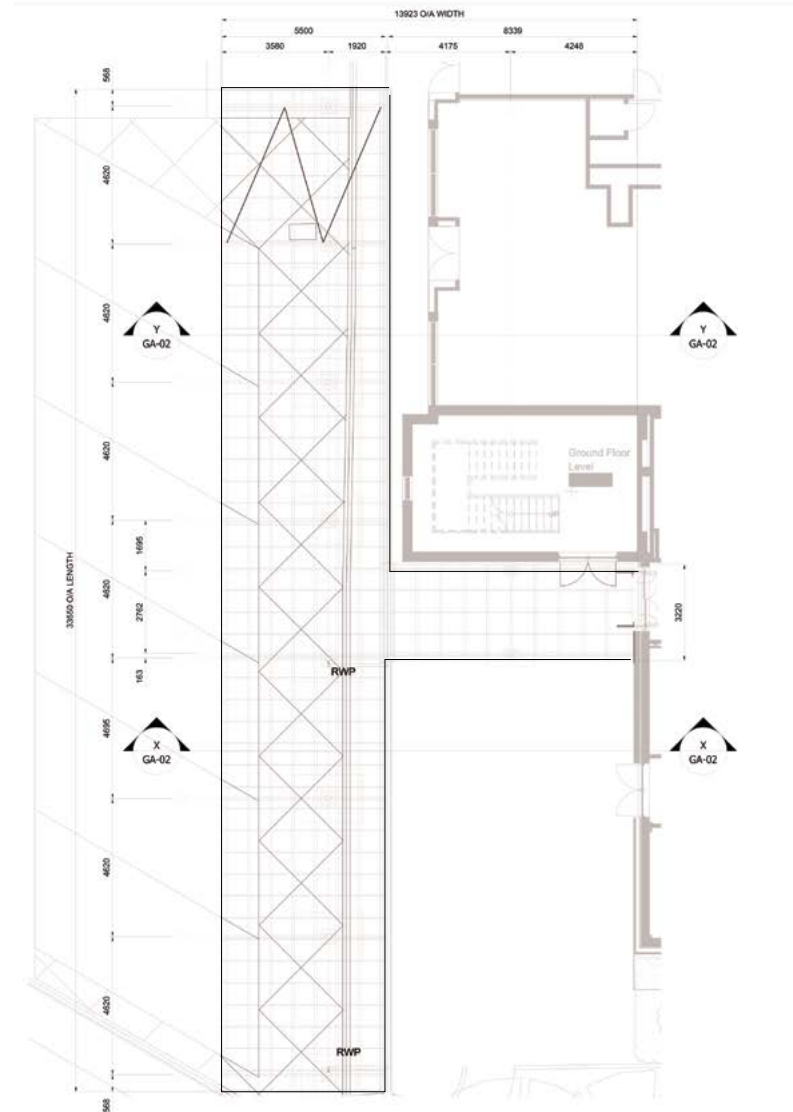
03

Proposed Information

Proposed Canopy Plans



Proposed Canopy Ground Floor Plan

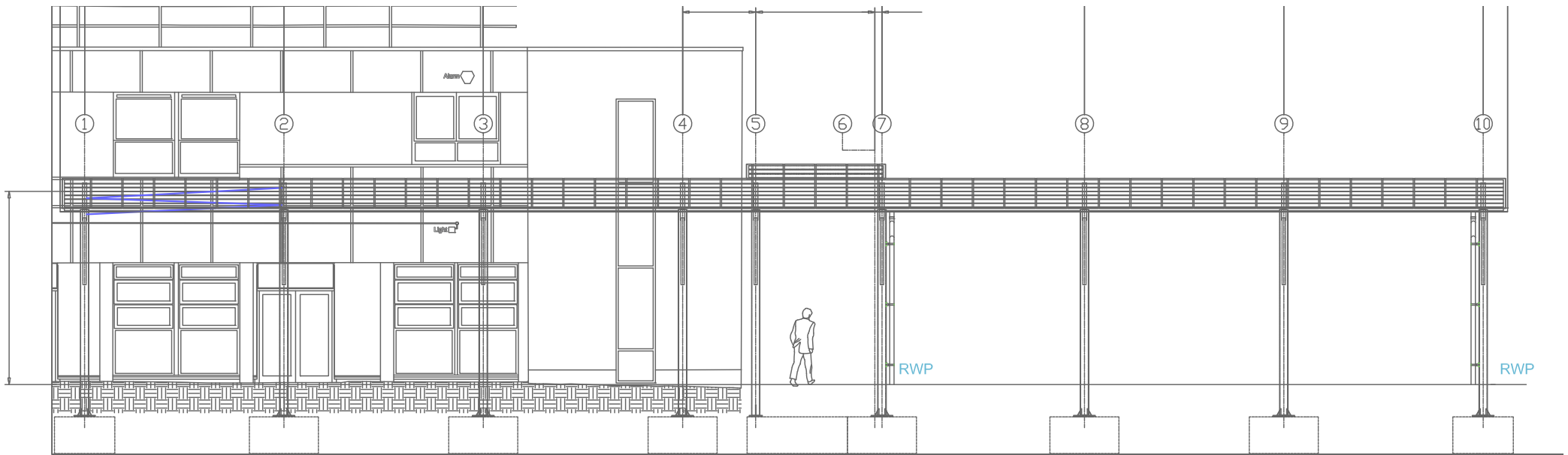


Proposed Canopy Roof Plan

03

Proposed Information

Proposed Canopy Elevations

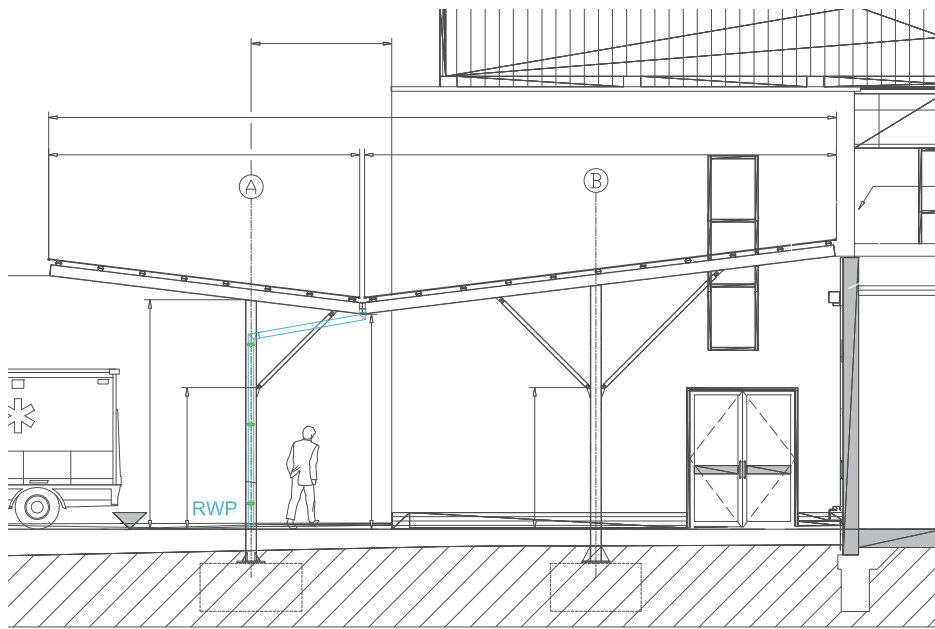


Canopy Front Elevation (East Elevation)

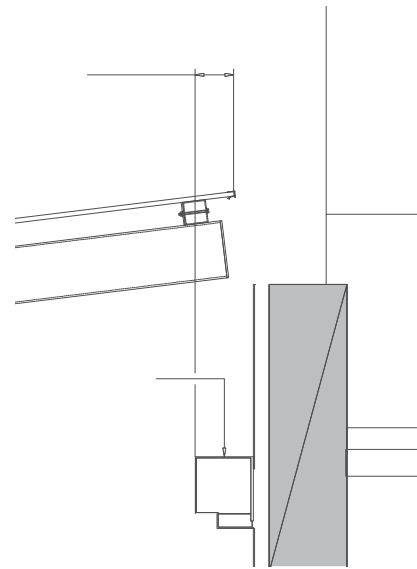
03

Proposed Information

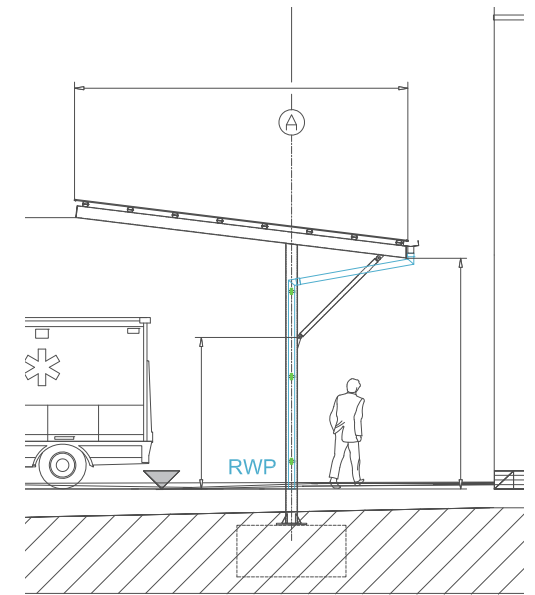
Proposed Canopy Sections



Canopy Section X-X



Canopy Detail junction to EDCAU

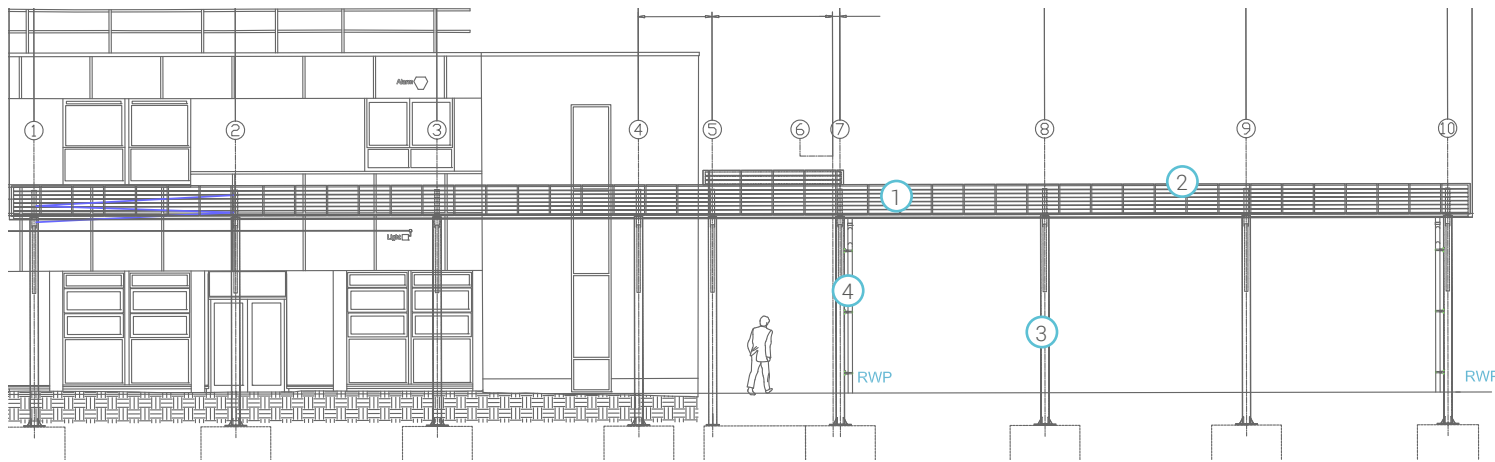


Canopy Section Y-Y

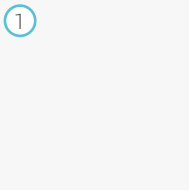

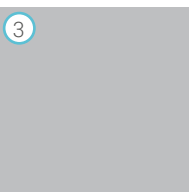
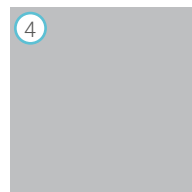
03

Proposed Information

Proposed Canopy Elevations / Materiality



New Blue Light Canopy Material Palette

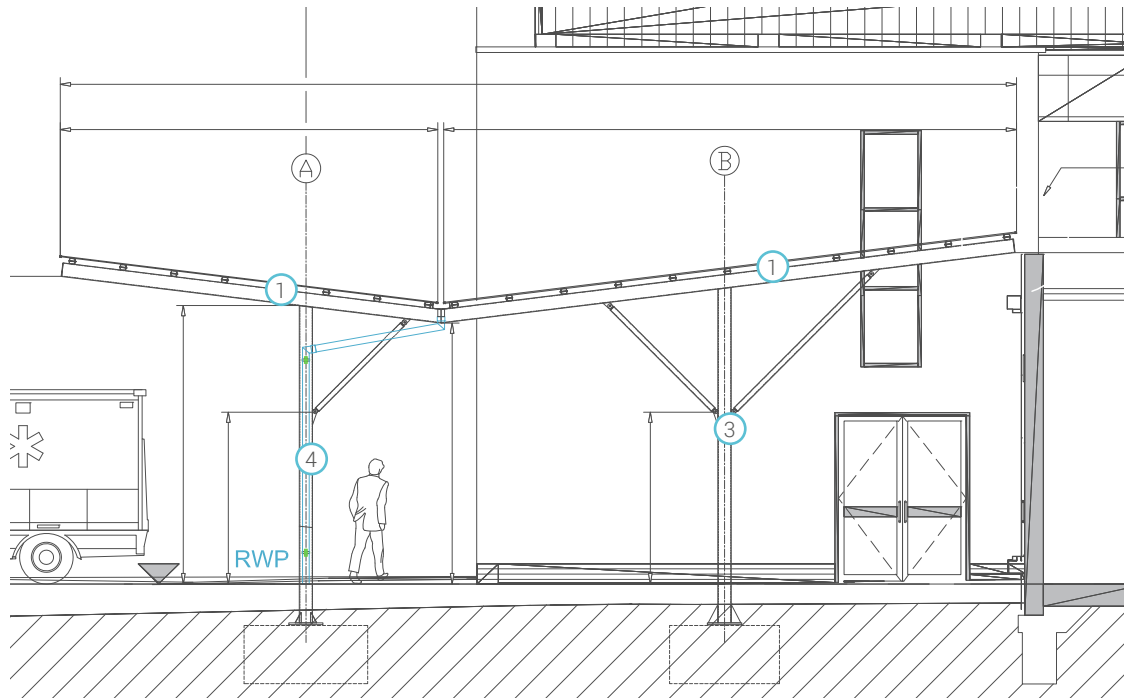
| | |
|---|---|
|  |  |
| Polycarbonate white frosted canopy roof | Aluminium capping surround to canopy |
|  |  |
| Powder coated canopy structure to match EDCAU | Powder coated rainwater goods to match EDCAU |

Canopy Front Elevation (East Elevation) // Materials Palette

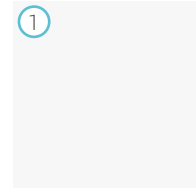
03

Proposed Information

Proposed Canopy Elevations / Materiality



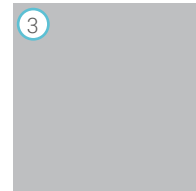
New Blue Light Canopy Material Palette



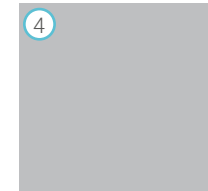
Polycarbonate white frosted canopy roof



Aluminium capping surround to canopy



Powder coated canopy structure to match EDCAU



Powder coated rainwater goods to match EDCAU

Canopy Section X-X // Materials Palette

03

Proposed Information

Proposed Canopy Elevations with Phase 2

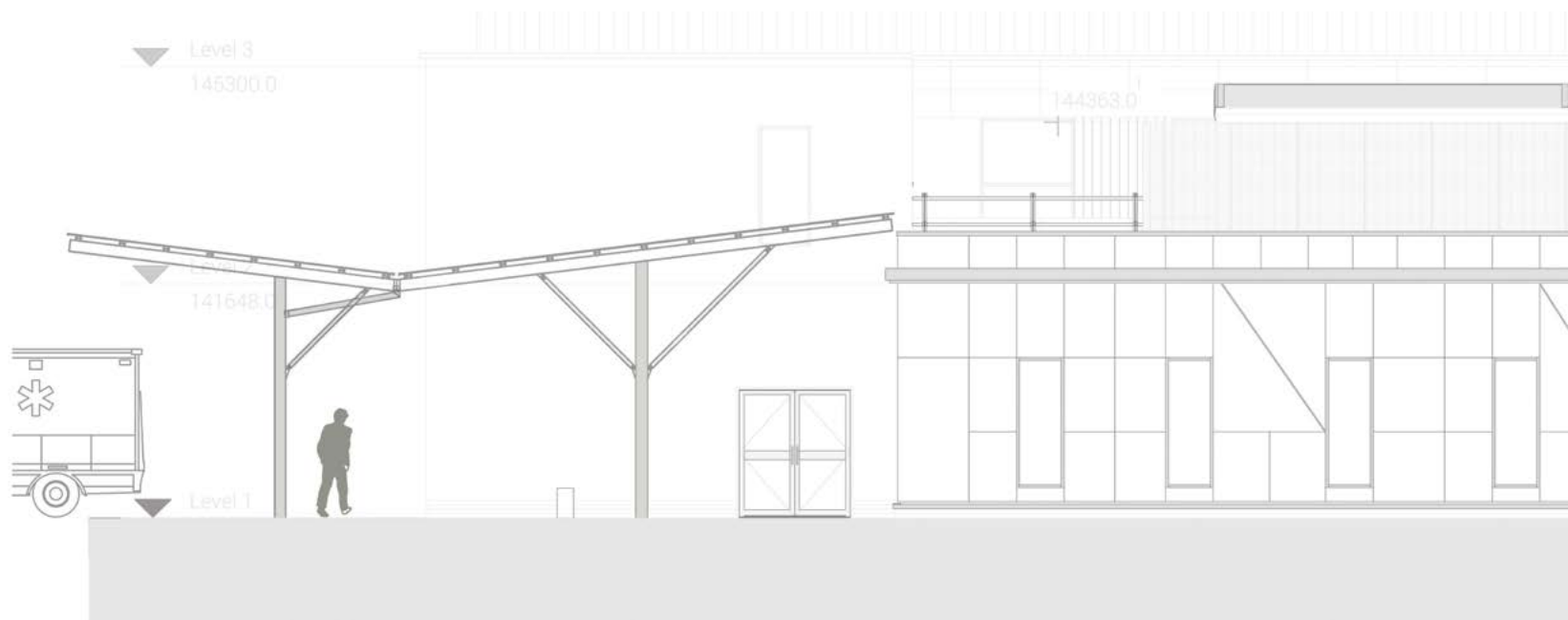


Canopy Front Elevation (East Elevation) with Phase 2 Context

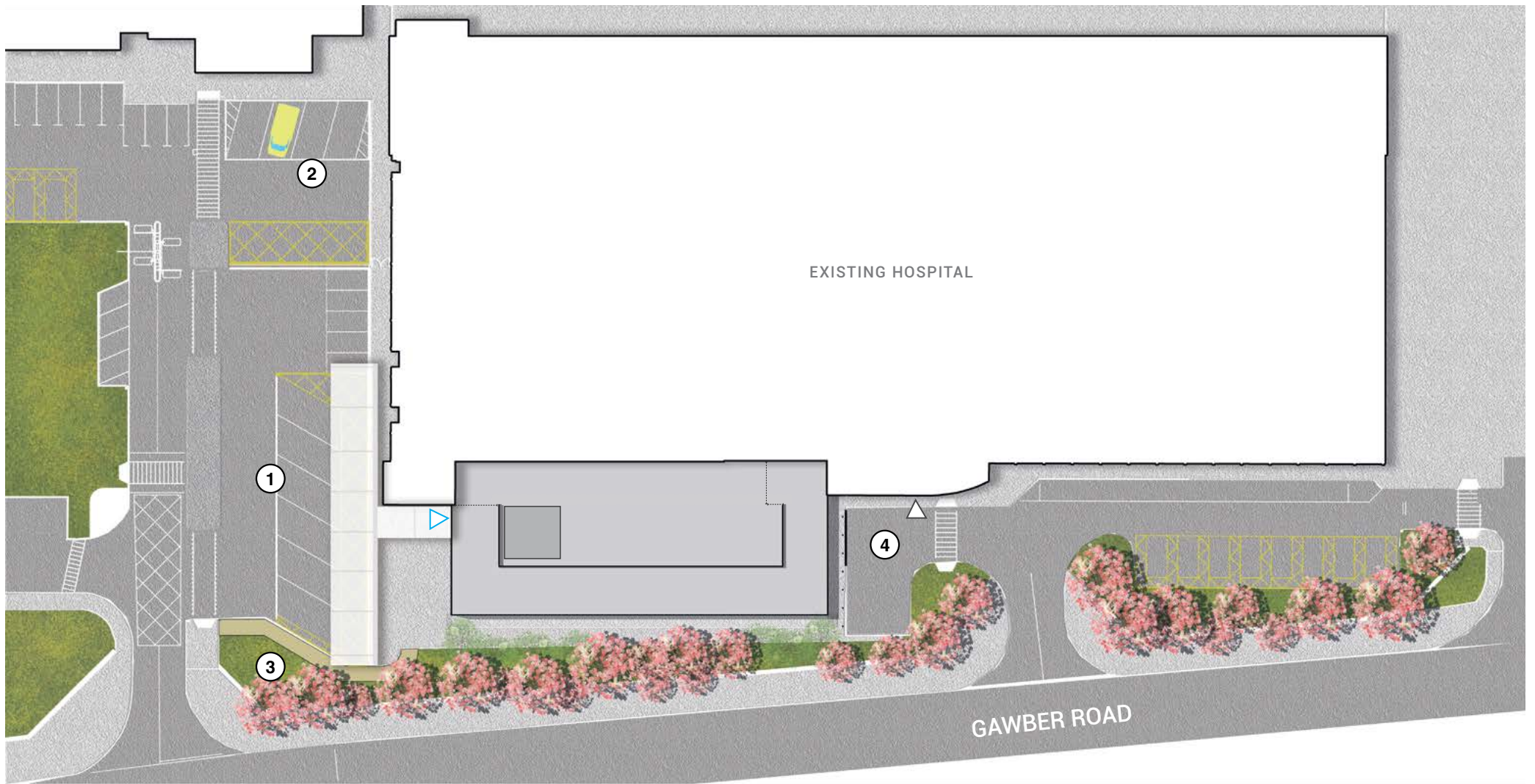
03

Proposed Information

Proposed Canopy Elevations with Phase 2



Canopy North Elevation with Phase 2 Context



- ① Proposed Ambulance drop off bay
- ② Patient Transfer Services Only
- ③ Existing cherry blossom trees to remain
- ④ Patient Drop off
- ▶ Proposed Blue Light Route
- ▷ Existing Main Entrance



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