

North Manchester General Hospital Endoscopy & ERCP AHU Works

Design and Access Statement

Revision A - 07.07.21

DAY

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DAY

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00

Introduction



Introduction

The Trust appointed DAY Architectural to undertake a review into the existing hospital site and to develop a proposal for 2no. AHU units to be installed; 1no. to the existing Endoscopy ward and 1no. to serve the ERCP (Xray) suite.

2no. proposed locations have been developed and are indicated in the adjacent image. These units will be roof mounted and the AHU to the Endoscopy suite will be screened using a perforated metal system.

Brief Overview

The proposed 2no. AHUs will be providing dedicated air changes to both the Endoscopy suite (4no. Endoscopy rooms which are to be refurbished internally) and the ERCP suite (internal refurbishment to be undertaken).

The endoscopy AHU, due to its location and visibility from the public highway, will have a perforated metal screen installed in front to limit visibility of the plant equipment from the public. In addition to this, there will be a second screen on the lower roof which will screen the ductwork supplying the air to the Endoscopy rooms. Visuals of the proposed can be seen in the Proposed Design section of this document.

Key Design Principles

While fulfilling the client brief, summarized above, the proposed design has been carefully tailored to keep disruption to a minimum so the normal activity of the hospital traffic will carry on alongside the site work.

In addition, the materiality of the new screens is to be of a similar colour to the existing brickwork whilst taking design inspiration from the newly proposed multi-storey car park on the other side of the hospital site (Ref.: PP-09322353).

01

**Site Context and
Analysis**

Location

North Manchester General Hospital is a large NHS Trust hospital based North of Manchester, in Crumpsall. It operates under the Manchester University NHS Foundation Trust on behalf of the Northern Care Alliance NHS Group.



- 1 - Manchester
- 2 - Crumpsall
- 3 - NMGH Site

 Application Site Location

 Ownership Boundary





Main Roads

Vehicular access towards North Manchester General is from a number of roads, namely; Crumpsall Lane, Lansdowne Lane, Ash Tree Road (East and South East of the site) and Old Market Street to the North West. These roads meet Delaunays Road, which provides access via the main site entrance, indicated on the adjacent image with a green dot.

- Ownership Boundary
- Main Roads
- Tram Line
- Tram Stop
- Bus Stop



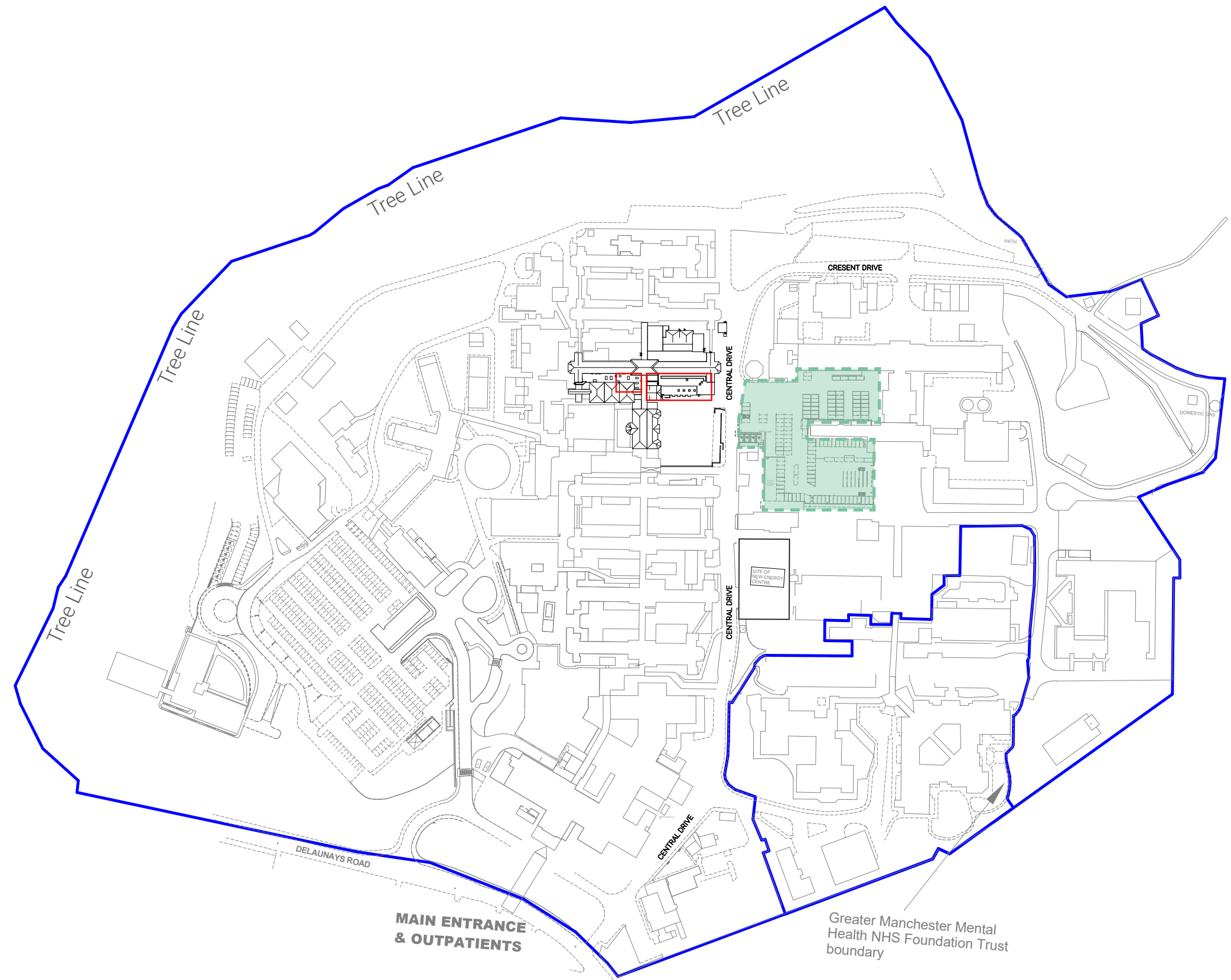


Site Plan

The proposed site is located relatively central to the hospital site, away from the main hospital entrance. It is surrounded mainly by live hospital buildings and, across the road, one of the main site public car parks.

In the wider context, the site is surrounded primarily by residential and park areas though there are some sections of industrial/commercial units to the North East down to South East. These units however located on the other side of a thick foliage and tree line.

- Application Site
- Ownership Boundary
- Site Public Car Park

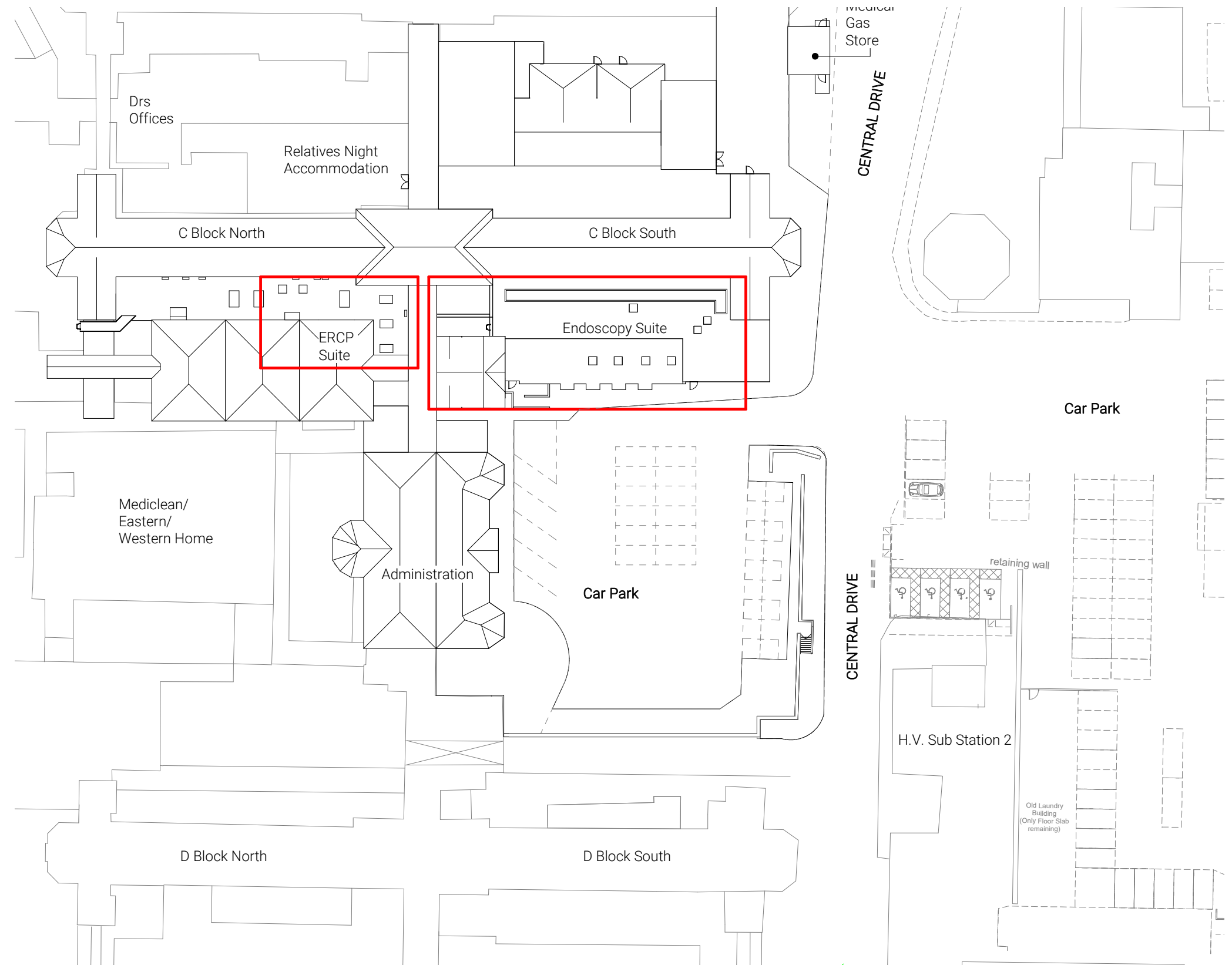


Proposed Site

The proposed area of works sits central to the overall hospital site with easy access via the site through road, Central Drive.

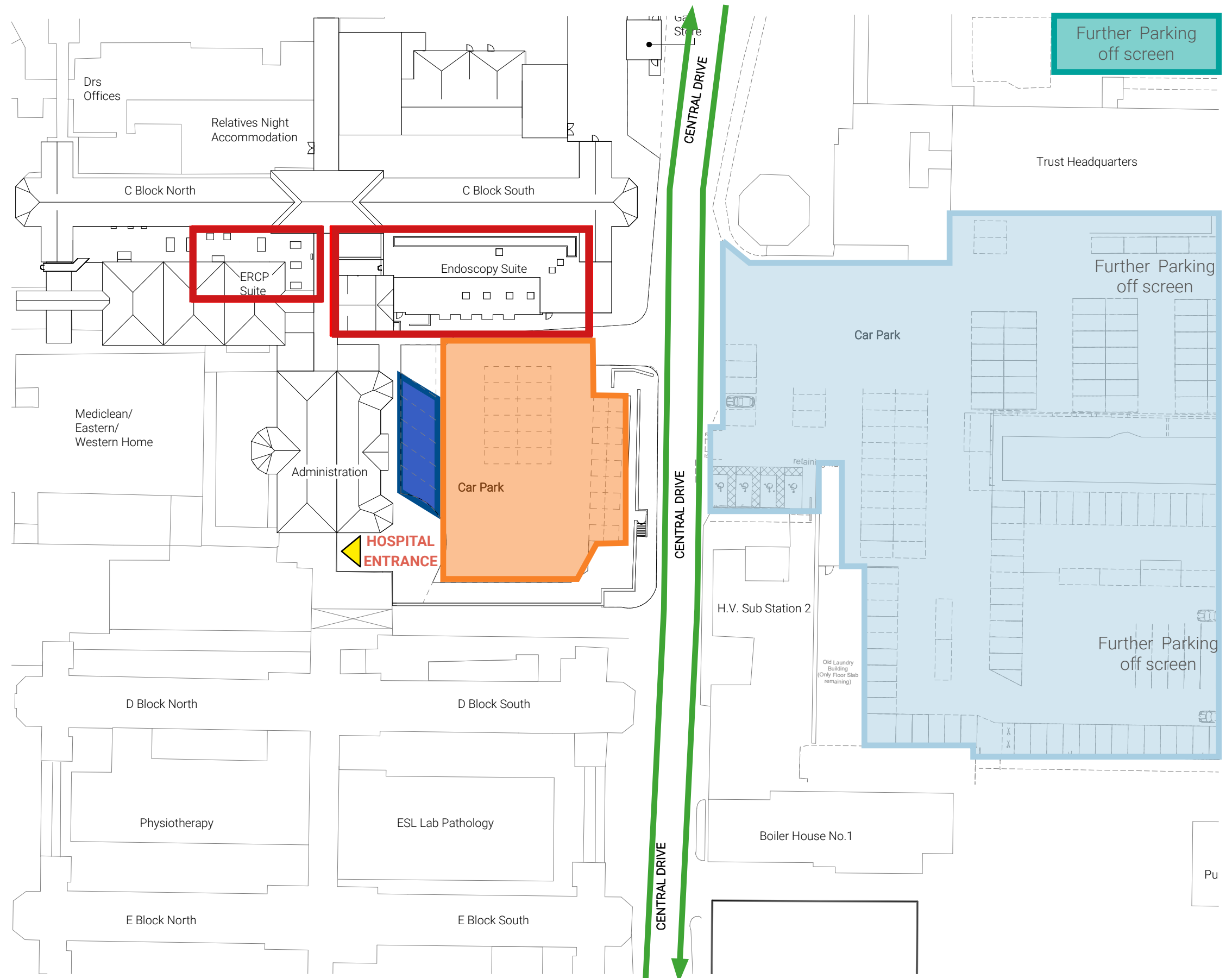
Ownership GIFA - c.68,675m²
Proposed Works Area - c. 835 m²

 Application Site



Existing Car Parking

- Public Car Park
- Staff Car Park
- Drop off Zone
- Ambulance Drop Off Zone
- Entrances to hospital Site
- Proposed Site
- Site Adjacent Vehicular Access



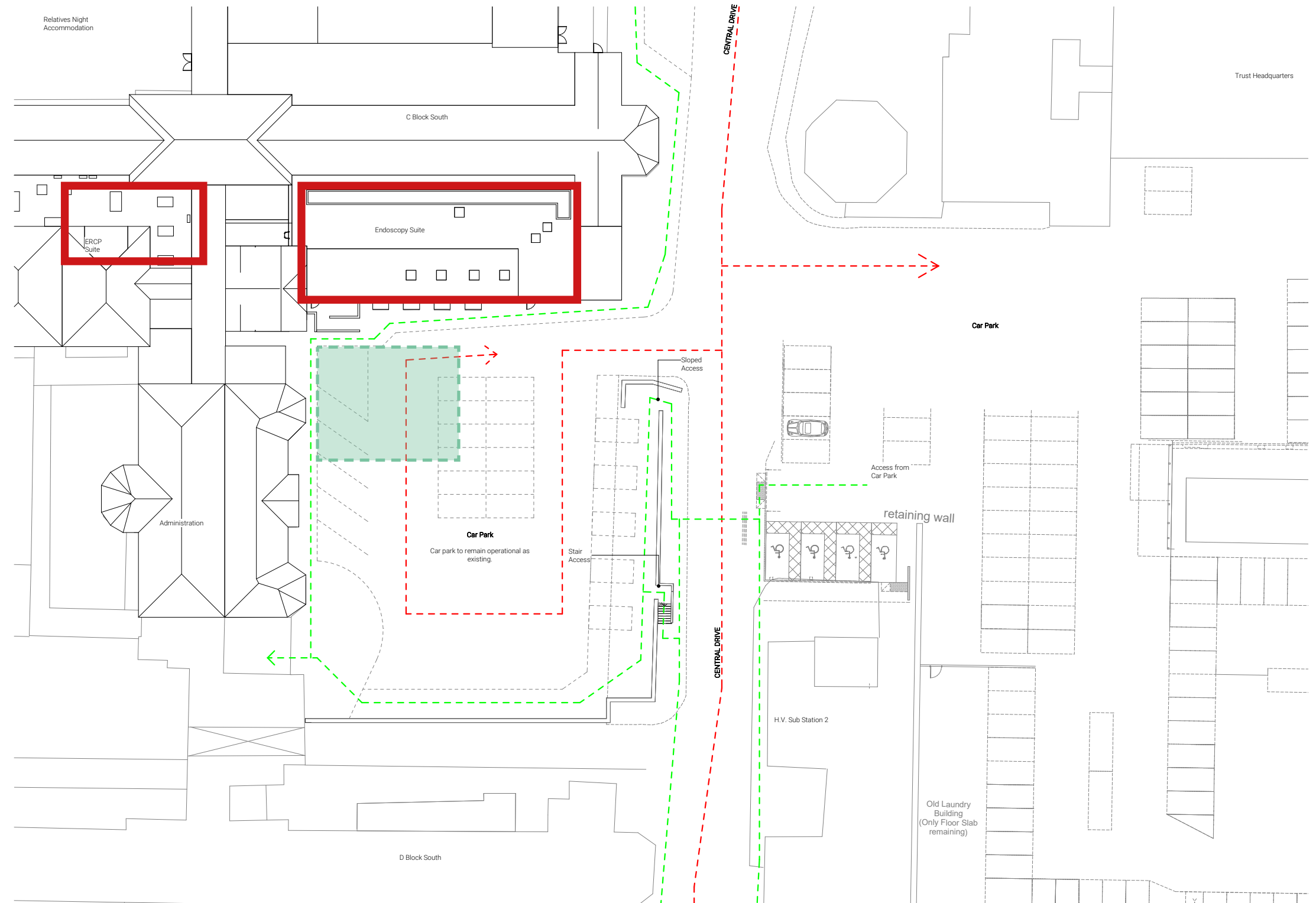


Vehicular Routes

Main access route to the proposed site is via Central Drive. The site is adjacent to one of a number of drop off zones and one of the sites largest car park provisions.

The majority of the buildings in the immediate context to the proposed site are mainly live hospital areas, meaning the site would need minimise any disturbance.

Any required crane lifting is to be done out of main hospital hours (namely on Sundays) but are to be cleared with the Trust prior to these works being undertaken. The crane lifts will be scheduled for 2no. weekends in order to lift the AHUs into place. The time and days have been chosen due to the typically low volume of patients coming in and out of the area at this time. During the lifts, the drop off car park area will be closed to the public.



- Pedestrian Access
- - - - - Vehicular Traffic
- Site Boundary
- - - - - Proposed Crane Zone



Image Legend



Road Image: 1



Road Image: 2



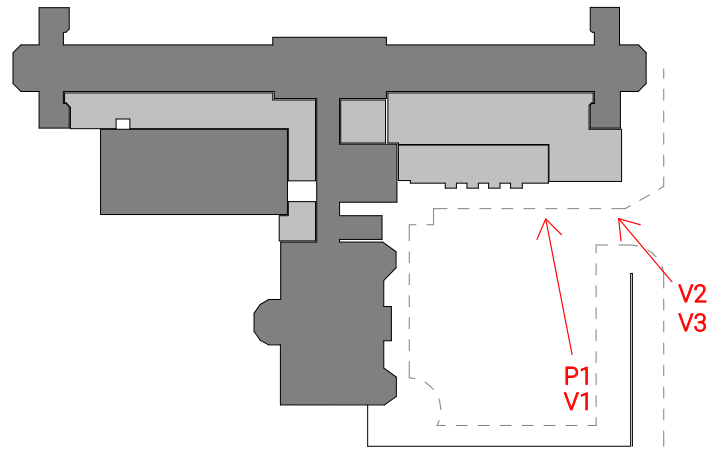
Road Image: 3



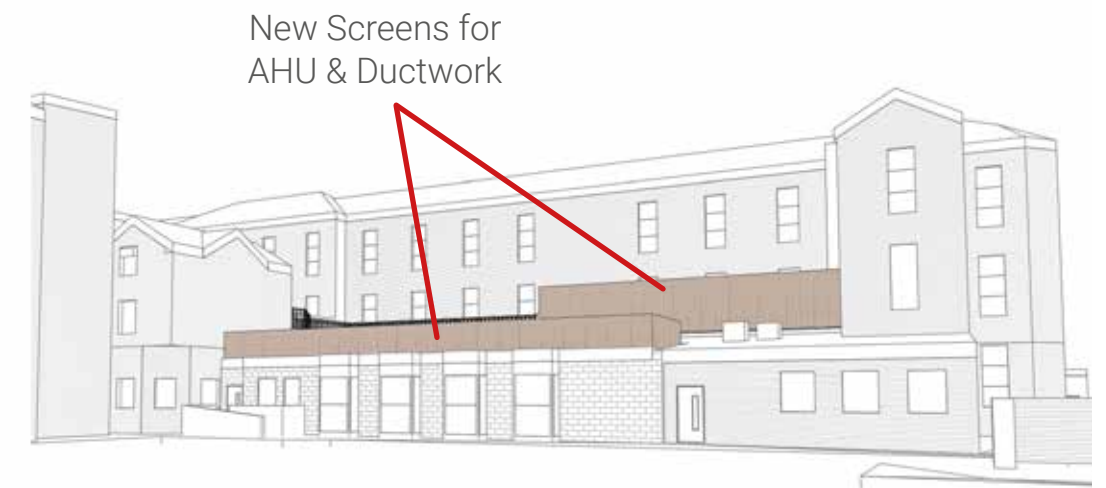
Aerial Image: A

Site Context and Analysis

Site Views & Model 3D Views (Existing & Proposed)



P1 - Photo from Existing Car Park to Endo Suite



V1 - Proposed view from Car Park to Endo AHU & Fence



V2 - Existing road View



V3 - Proposed Road View

Site Context and Analysis

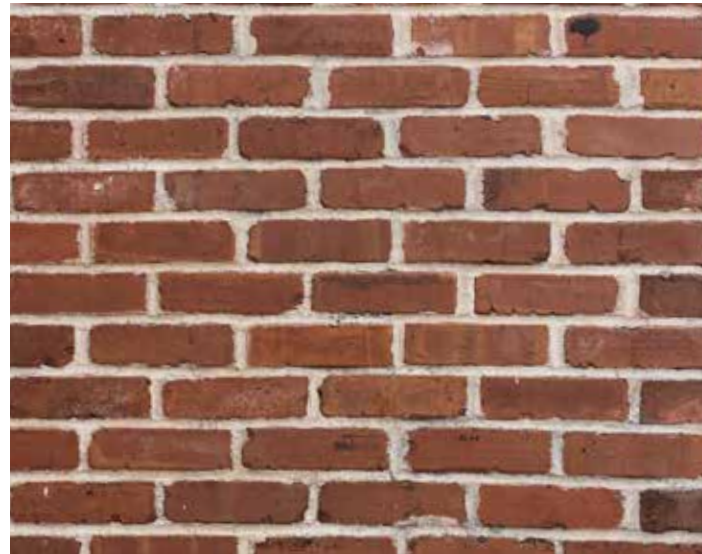
Existing Surrounding Materiality

Materiality

Due to continual development around the proposed site and hospital, there is a wide range of building materiality to draw on. Historic buildings, those from the early period of the workhouses and the hospital, use traditional materials of that era, namely red brick and sandstone.

Recent developments on the site have used a varied material palette including similar red brick, render, glazing and aluminium panels with one of the proposed buildings, the multistorey car park to the other side of the site (Ref.: PP-09322353), using anodised brass/corten laser cut panels.

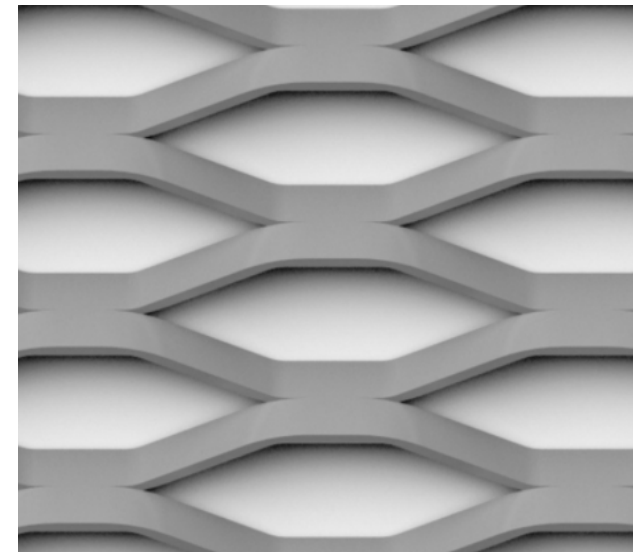
With this materiality aiding in the adjoining of the old and new on the site, whilst being sympathetic to its environment,



Existing Example of Red Brick



Example of Proposed Aluminium Cladding to AHU



Expanded Aluminium Pattern Sample

02

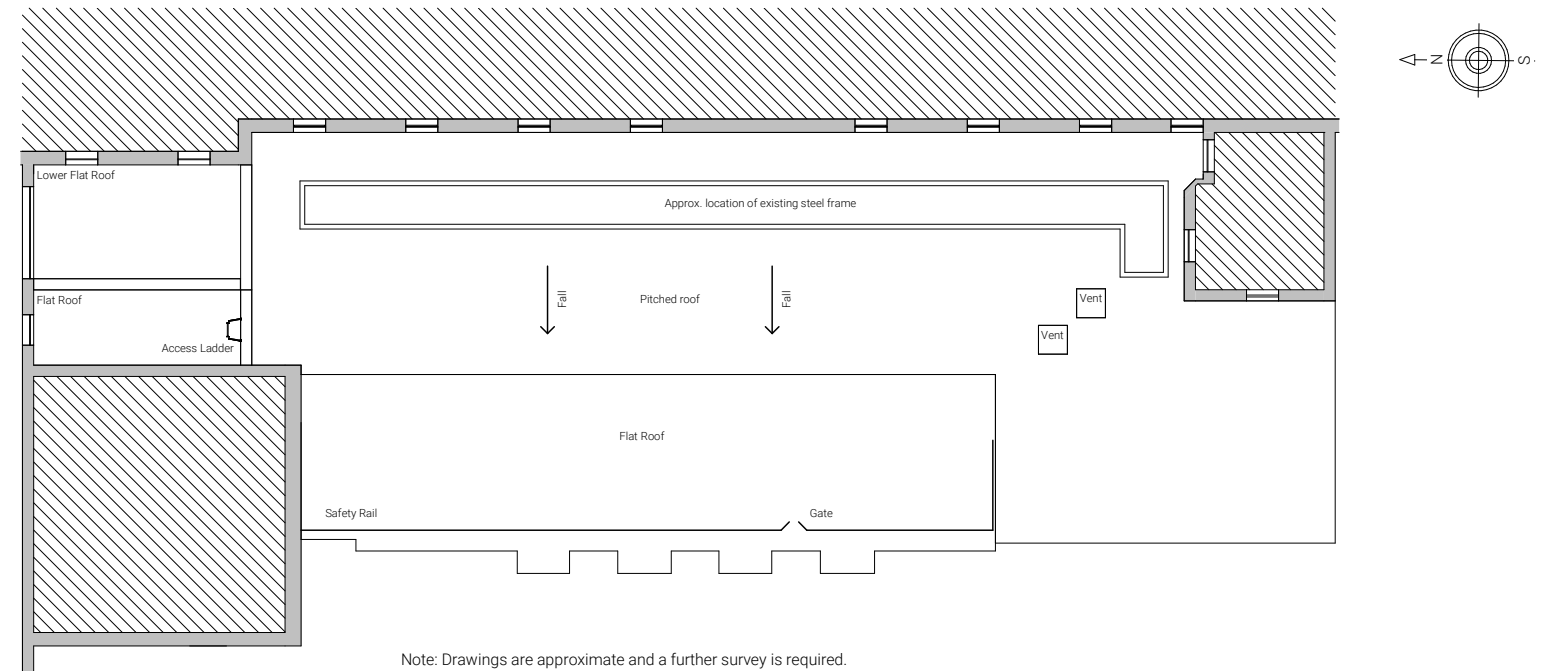
Existing Layout

Existing Plan & Visual

The existing roof plan consists of a sloped upper section, which houses the existing primary steel structure which we intend to utilise for the AHU, with the flat roof lower section to the front.

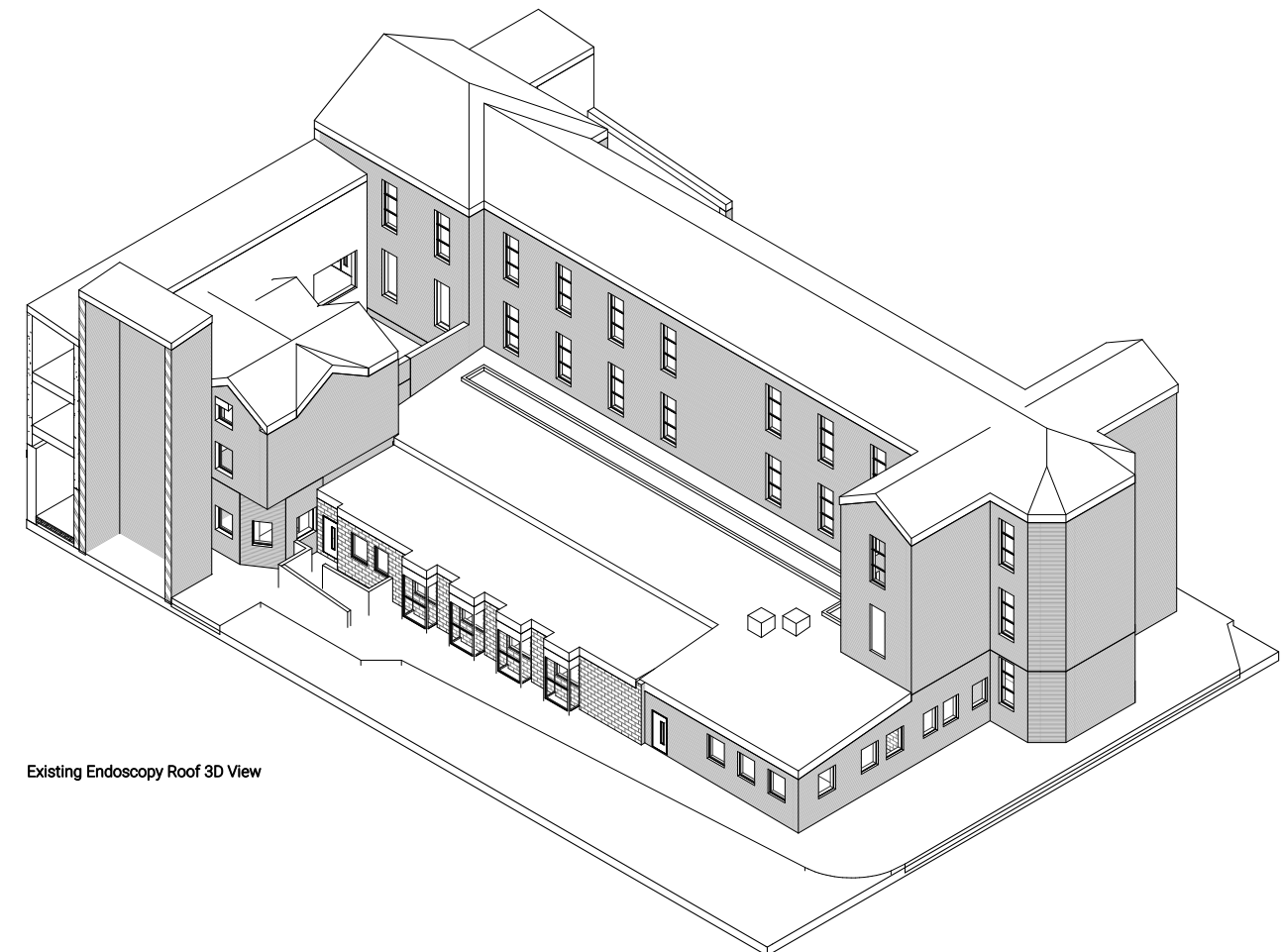
Access is intended from the front elevation (from the car park side) in order to access the flat roof section.

As the visual shows, the roof scape is relatively sparse at present with 2no. protected vent hoods to the right hand side of the plan and the previously mentioned steel structure.



Note: Drawings are approximate and a further survey is required.

Existing Endoscopy Roof Plan
1:100

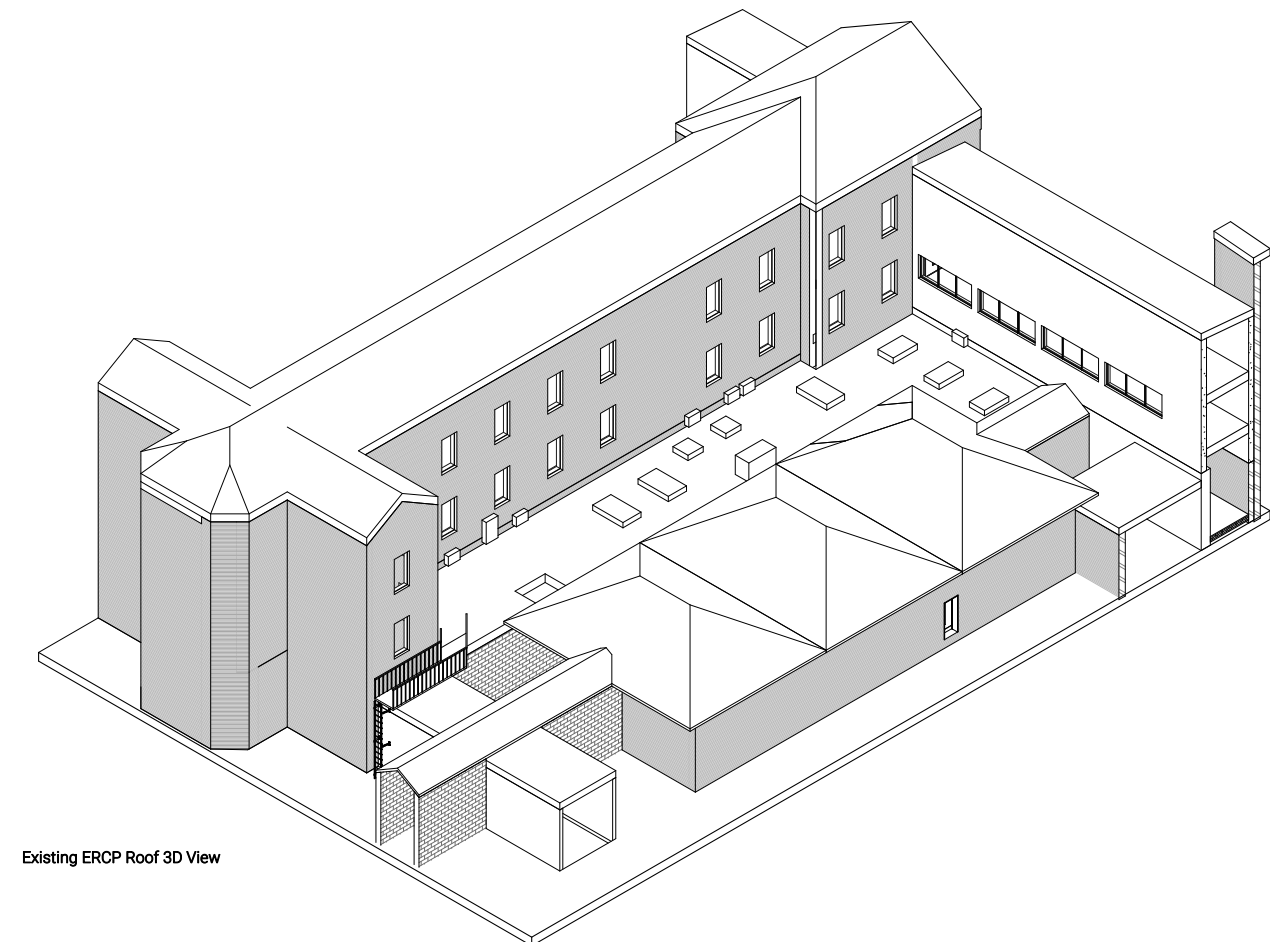
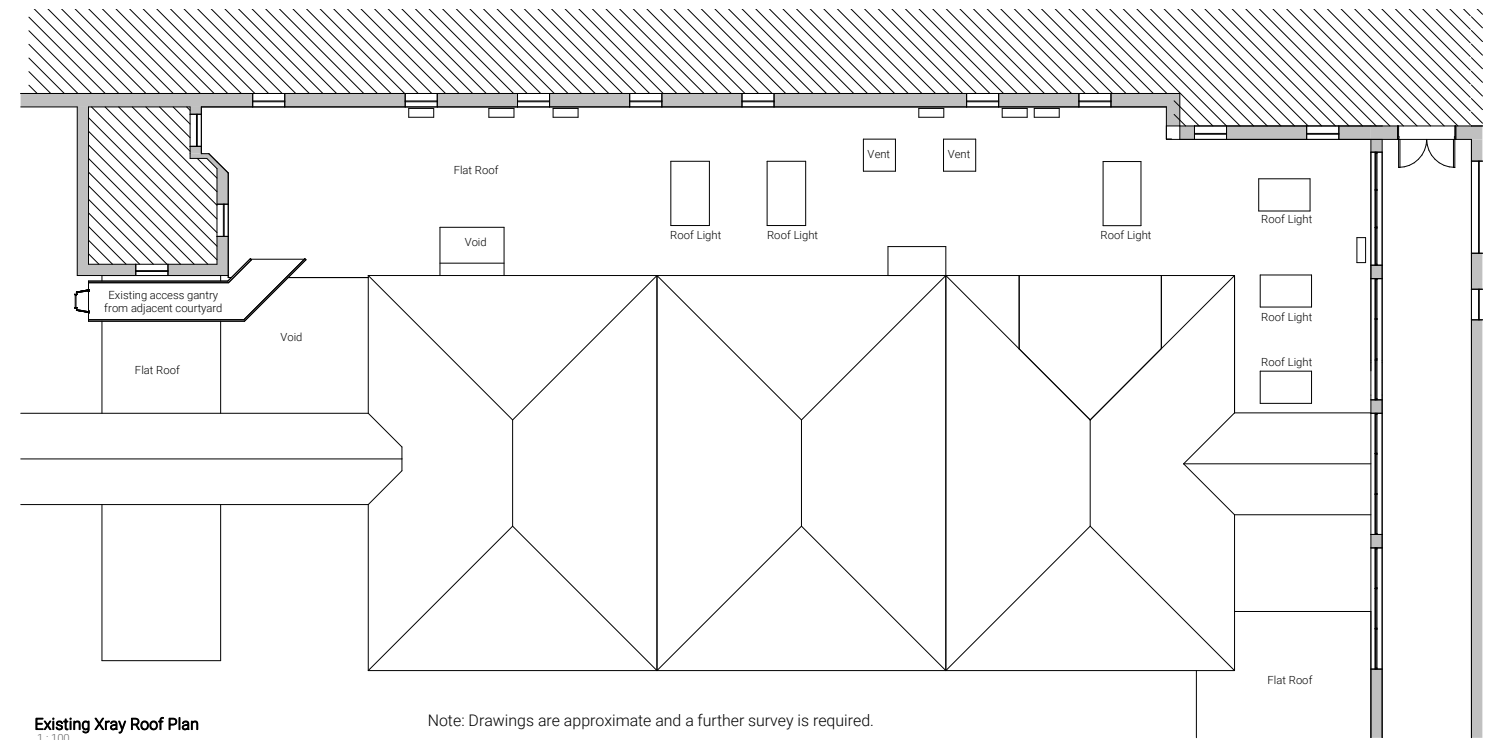


Existing Endoscopy Roof 3D View

Existing Plan & Visual

The existing roof plan consists of a flat roof with a number of roof lights and M&E equipment boxes across its entirety.

Access to the roof is intended to be via the internal link corridor, to the right hand side of the plan, which will enable access of materials and labour for the construction works for the AHU and proposed dormer works.



03

Proposed Design

Proposed Endoscopy Roof

Once the demolition works have been completed, the installation of the gantry walkway to the Endoscopy roof can commence.

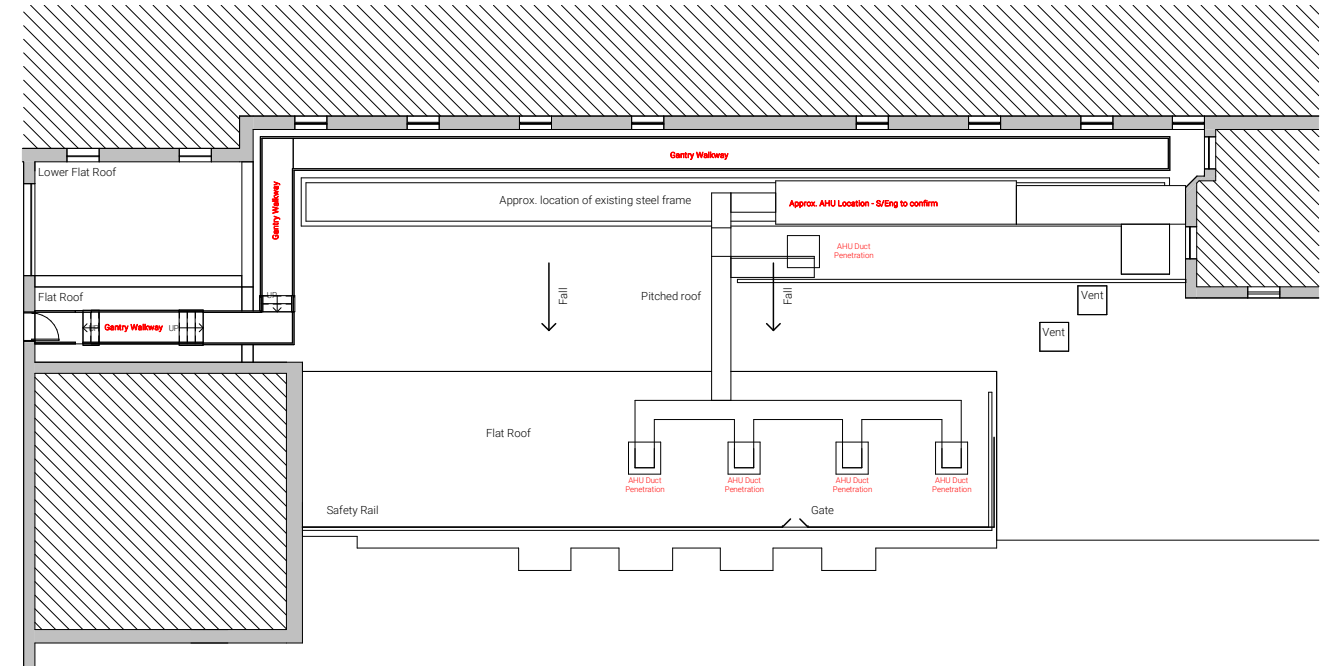
Upon completion of the access gantry, the AHU can be craned in, utilising the existing steelwork frame. Following the AHU installation the ductwork can be installed and the roof penetration openings can be made watertight.

Following the AHU and gantry works, the proposed screen can be installed. This will shield the plant equipment from the public view.

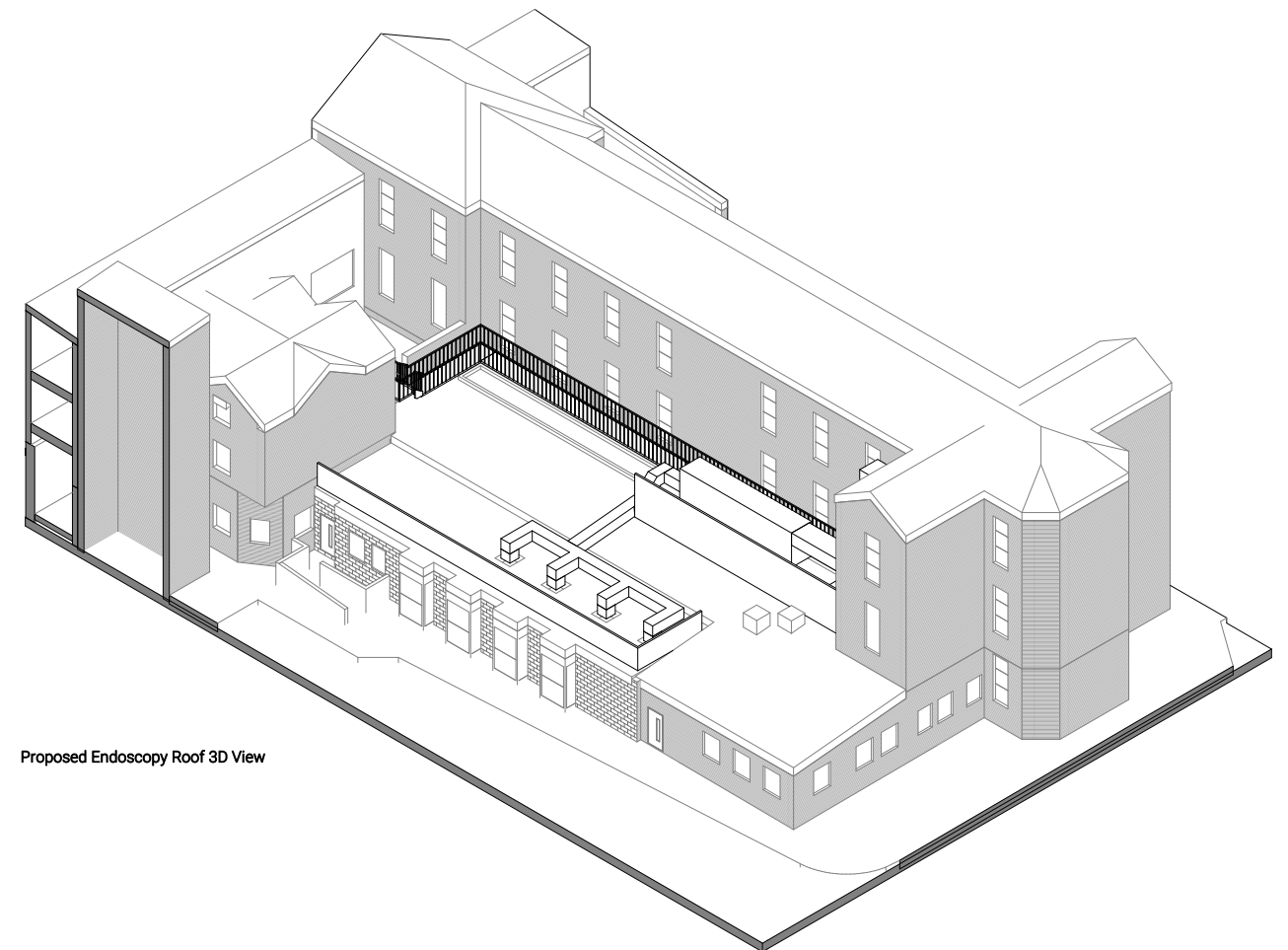
The chosen materials for this screen (brass anodised/corten aluminium) will not only blend subtly with the existing building but also tie in with the proposed multi storey car park (ref.: PP-09322353).

The proposed AHU, and associated plant and access equipment, will provide much needed air change provision for the below Endoscopy suite and, due to the nature of the materials used for the screen, will be screened subtly against the backdrop of the existing building.

With a similar materiality to the proposed multi storey car park, the site will begin to obtain a continuity in new materials which not only compliment the existing structure but are individually unique in their appearance and design.



Proposed Endo Roof GA Plan
1:100



Proposed Endoscopy Roof 3D View

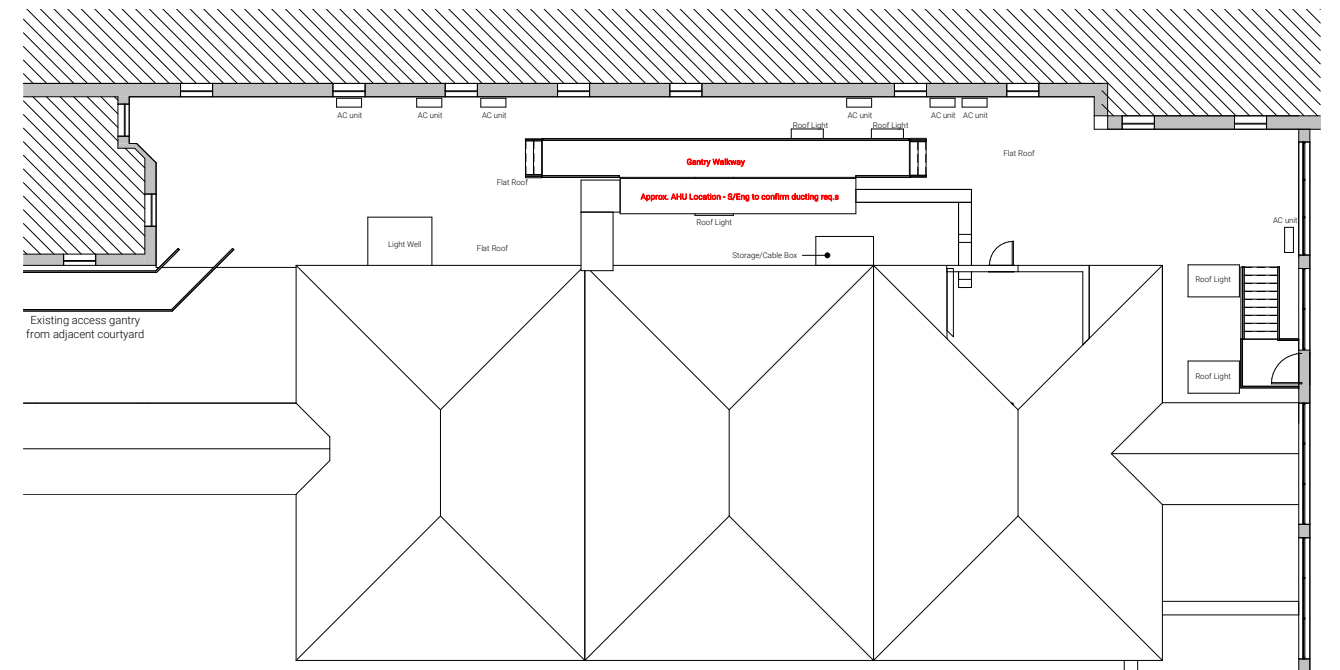
Proposed ERCP (Xray) Roof

The works to the dormer can be completed once all works for access demolition have been completed. This will allow construction access for the duration of the works and allow for the AHU support steel work to be constructed, alongside the access gantry works.

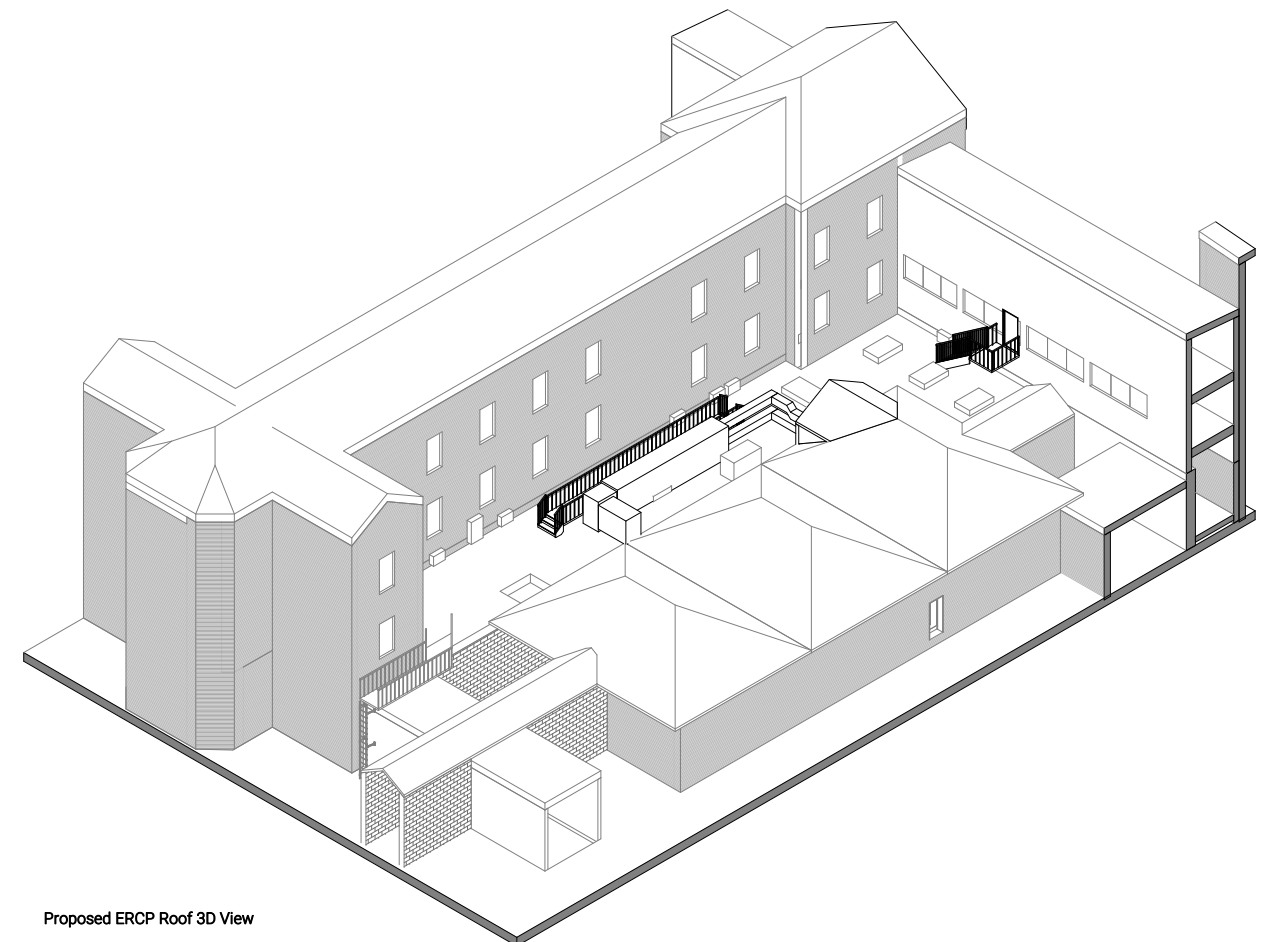
Once these works are completed, the AHU can be craned into place and the ductwork works can commence, tying into the new dormer.

Due to the location of the ERCP roof (enclosed within an internal courtyard and out of view of the public realm), a screen is not needed within this area.

The delivery of the AHU will provide much needed M&E support to the existing ERCP and Xray suite below, with safe access for maintenance.



Proposed ERCP Roof GA Plan
1:100



Proposed ERCP Roof 3D View

Existing and Proposed Elevations

The elevational drawings show the impact of the gantry walkway, AHU and screen from an elevational perspective.

Due to the angle at which the area will be visible (road level) the elevations do not give an accurate representation of the visibility once the AHU and equipment is installed. Refer to p14 visuals.



Existing Endoscopy Elevation

1:100



Proposed Endoscopy AHU & Screen Elevation

1:100

03

Proposed Design

Existing & Proposed ERCP Elevations

Existing and Proposed Elevations

Due to the enclosed nature of the ERCP roof, a screen is not necessary. The orientation of this roof, in relation to the overall site, is very secluded and faces only more internal courtyards and roofscapes, a number of which are for ancillary and service areas of the hospital.



04

Appendix

[illegible]

TITLE	Location Plan
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STATUS	PURPOSE OF ISSUE PLANNING		
DRAWN BY Author		CHECKED BY Checker	DATE 22/06/21
SCALE (@A1) As indicated		PROJECT NUMBER 20201	
FILE DRAWING NUMBER 02-0101			REV. P1

Site Address:
North Manchester General Hospital
Delaunays Rd,
Crumpsall,
Manchester
M8 5RB



07/07/2021 13:26:04

 Trust Ownership Boundary Line

P1	PLANNING ISSUE	30/06/21	LPA	DAY
A	ISSUE FOR INFORMATION	22/06/21	Design Team	DAY
REV.	DESCRIPTION	DATE	DRW.	CHK.



Manchester University
NHS Foundation Trust

APPOINTED PARTY LOGO/INFORMATION

DAY

PROJECT

NMGH Endoscopy Refurbishment

TITLE

Site Plan

STATUS

PURPOSE OF ISSUE PLANNING	
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DRAWN BY
Author

CHECKED BY	
Checker	

DATE	22/06/21
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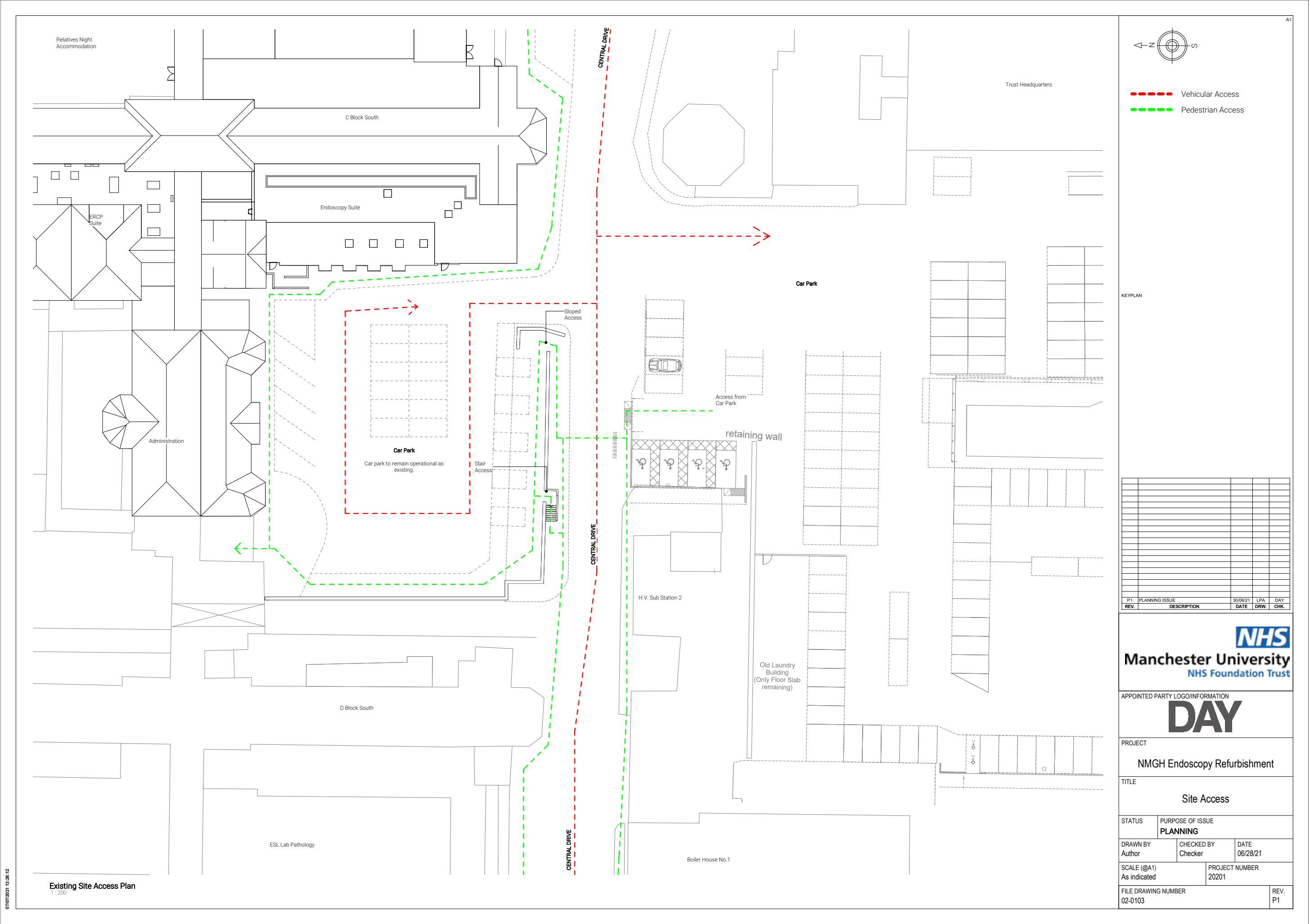
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As indicated

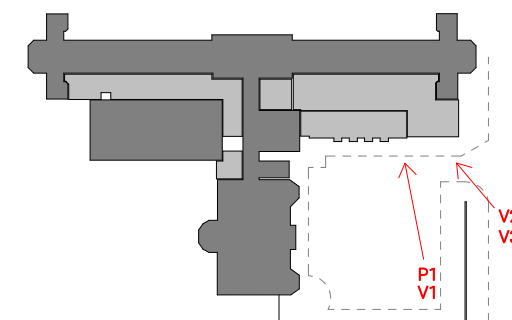
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FILE DRAWING NUMBER	02-0102
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REV.
P1

Site Plan





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REV.	DESCRIPTION	DATE	DRW.	CHK



APPOINTED PARTY LOGO/INFORMATION

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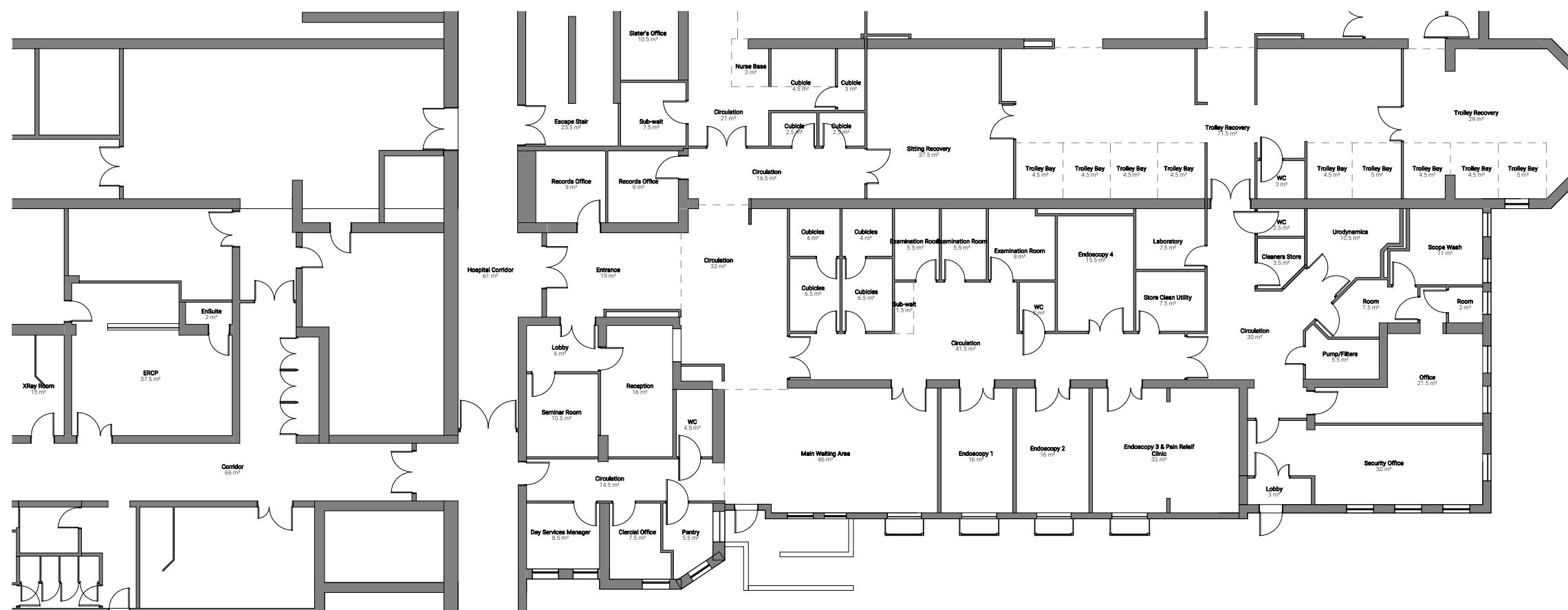
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NMGH Endoscopy Refurbishment

TITLE

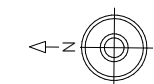
3D Views

STATUS		PURPOSE OF ISSUE PLANNING	
DRAWN BY Author		CHECKED BY Checker	DATE 06/28/21
SCALE (@A2) 1 : 1000		PROJECT NUMBER 20201	
FILE DRAWING NUMBER 02-0104			REV P1



Existing Endoscopy & ERCP GA Plan
1:100

1:100

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APPOINTED PARTY | LOGO/INFORMATION

PARTY LOGO/INFORMATION

DAY

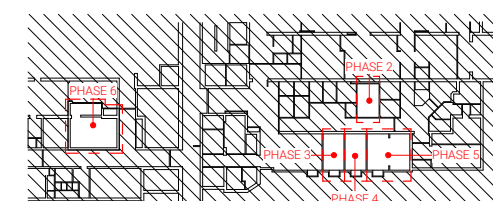
PROJECT

NMGH Endoscopy Refurbishment

TITLE

Existing Endoscopy & ERCP GA Plan

STATUS	PURPOSE OF ISSUE PLANNING		
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FILE DRAWING NUMBER 03-0101			RI P

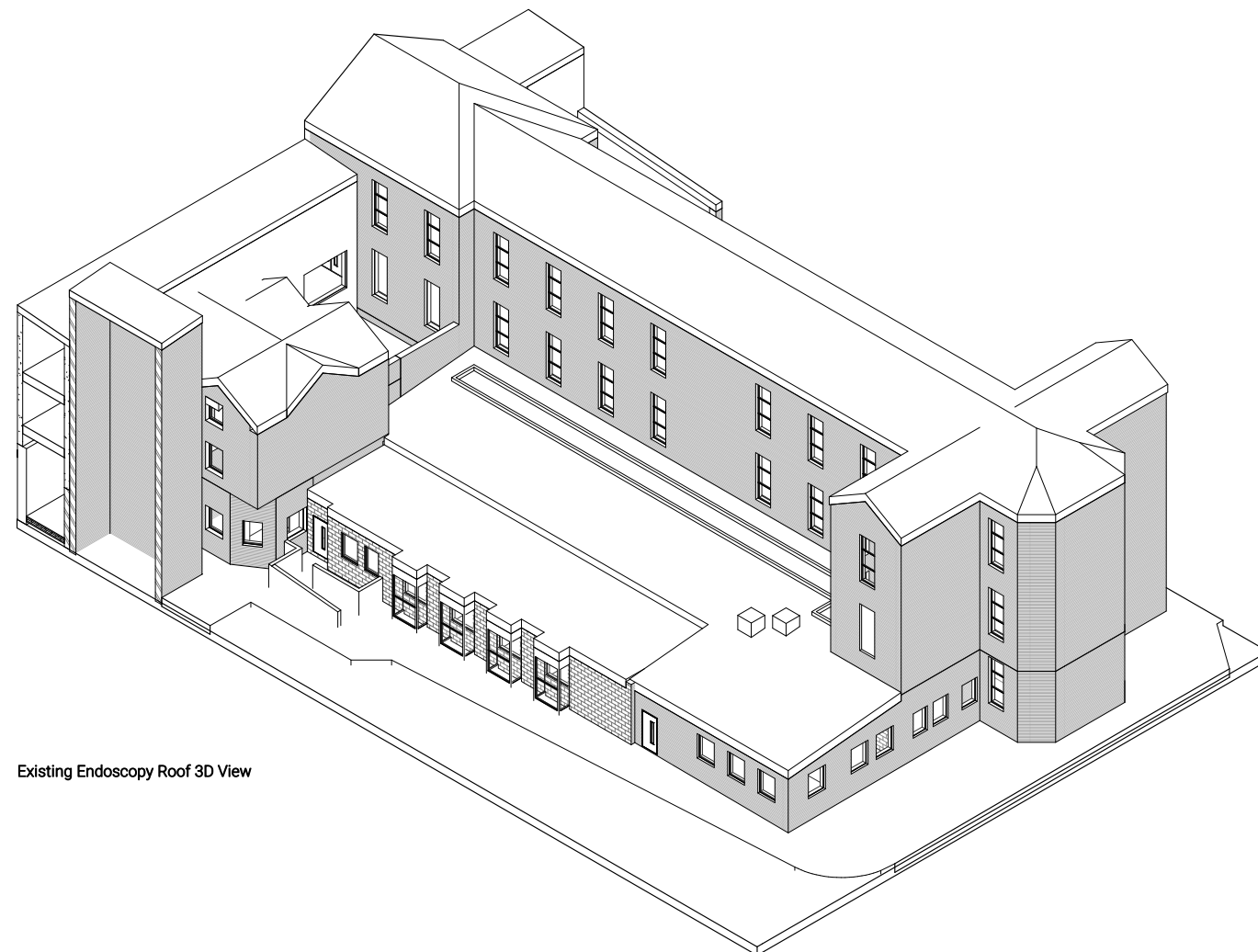


Phasing Key Plan

1 : 50

DR-A-12-0110 for a more
detailed phasing plan.

Existing Endoscopy Roof Plan
1:100



Existing Endoscopy Roof 3D View

KEYPLAN

P1	PLANNING ISSUE		30/06/21	LPA	DAY		
C	ISSUE FOR INFORMATION		22/06/21	Design Team			
B	Issue for Pricing		25/05/21	QS	DAY		
A	Issue for Comment		06.05.21		AF		
REV.	DESCRIPTION		DATE	DRW.	CHK.		



APPOINTED PARTY LOGO/INFORMATION

DAY

PROJECT	
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NMGH Endoscopy Refurbishment

TITLE

Existing Endoscopy Roof Plan

STATUS	
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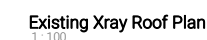
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PROJECT NUMBER	20201
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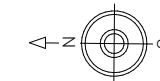
FILE DRAWING NUMBER
03-0102

REV.
P1



This 3D isometric line drawing illustrates the existing roof structure of the ERCP building. The main structure is a long, multi-story building with a complex roofline featuring several gabled sections. A central courtyard area is visible, surrounded by the building's footprint. The drawing uses simple lines and shading to represent the building's form and roof layout.

Existing ERCP Roof 3D View



KEYPLAN



APPOINTED PARTY LOGO/INFORMATION

PARTY LOGO/INFORMATION

DAY

PROJECT

NMGH Endoscopy Refurbishment

TITLE

Existing ERCP Roof Plan

STATUS

PURPOSE OF ISSUE PLANNING	
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DATE	22/06/21
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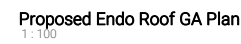
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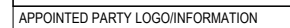
REV.	P1
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Internal Site Access Plan

External Works Access Plan



P1	PLANNING ISSUE	30/06/21	LPA	DAY
B	ISSUE FOR INFORMATION	22/06/21	Design Team	DAY
A	Issue for Pricing	25/05/21	QS	DAY
REV.	DESCRIPTION	DATE	DRW.	CHK.



DAY

NMGH Endoscopy Refurbishment

TITLE
Phase 1A - Proposed Endo Roof GA
Plan

STATUS	PURPOSE OF ISSUE PLANNING
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DRAWN BY Author	CHECKED BY Checker	DATE 22/06/21
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SCALE (@A1)	PROJECT NUMBER
1 : 100	20201

FILE DRAWING NUMBER	REV.
20-0111	P1

Proposed ERCP Roof 3D View



P1	PLANNING ISSUE	30/06/21	LPA	DAY
A	ISSUE FOR INFORMATION	22/06/21	Design Team	DAY
REV.	DESCRIPTION	DATE	DRW.	CHK.



APPOINTED PARTY LOGO/INFORMATION

DAY

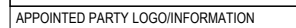
PROJECT

NMGH Endoscopy Refurbishment

TITLE

Endoscopy Suite Elevations

STATUS	PURPOSE OF ISSUE PLANNING		
DRAWN BY Author	CHECKED BY Checker	DATE 22/06/21	
SCALE (@A1) 1 : 100		PROJECT NUMBER 20201	
FILE DRAWING NUMBER 20-1101			REV. P1

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PROJECT	
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TITLE

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PURPOSE OF ISSUE

PLANNING

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Author

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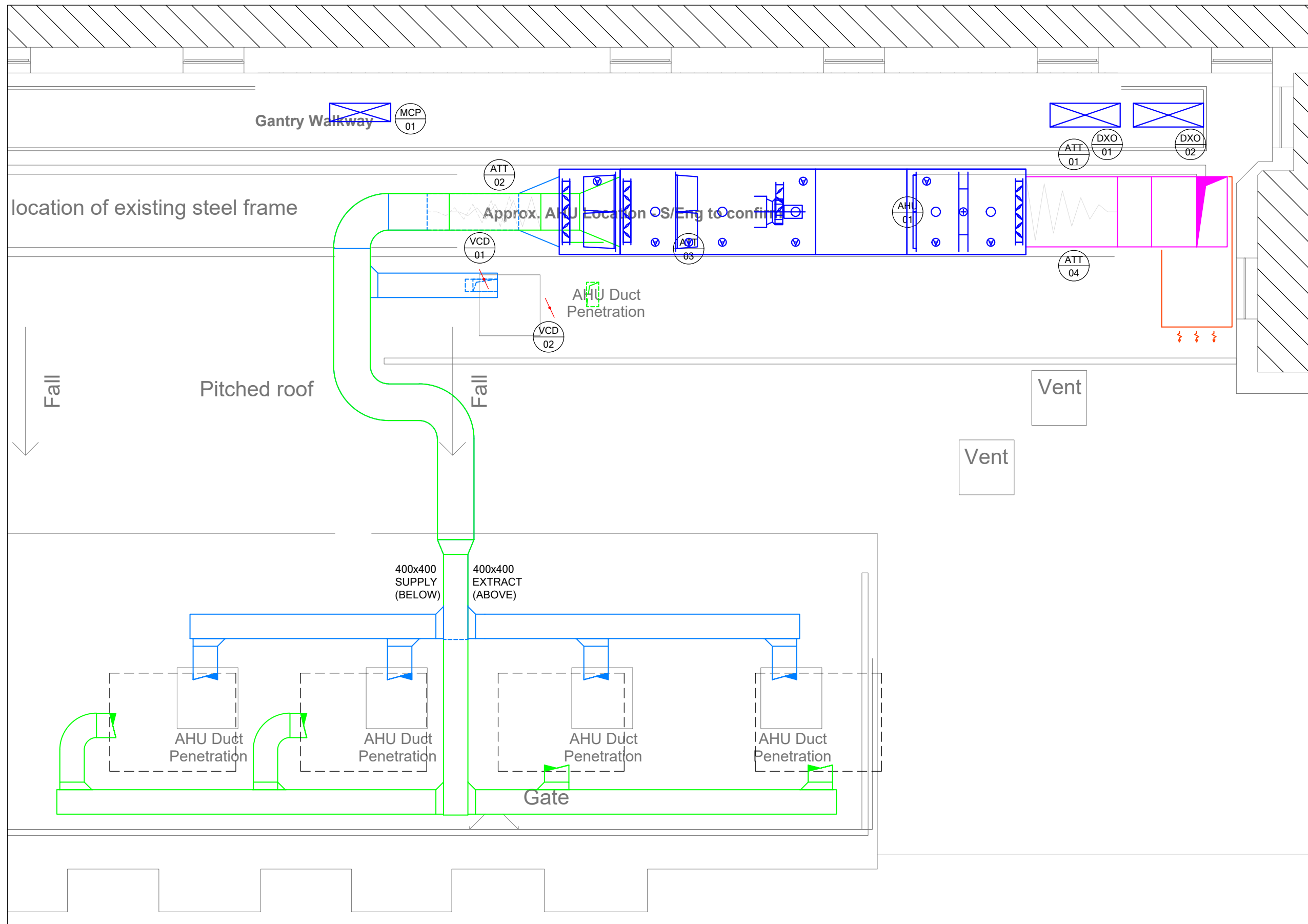
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22/06/21

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PROJECT NUMBER	20201
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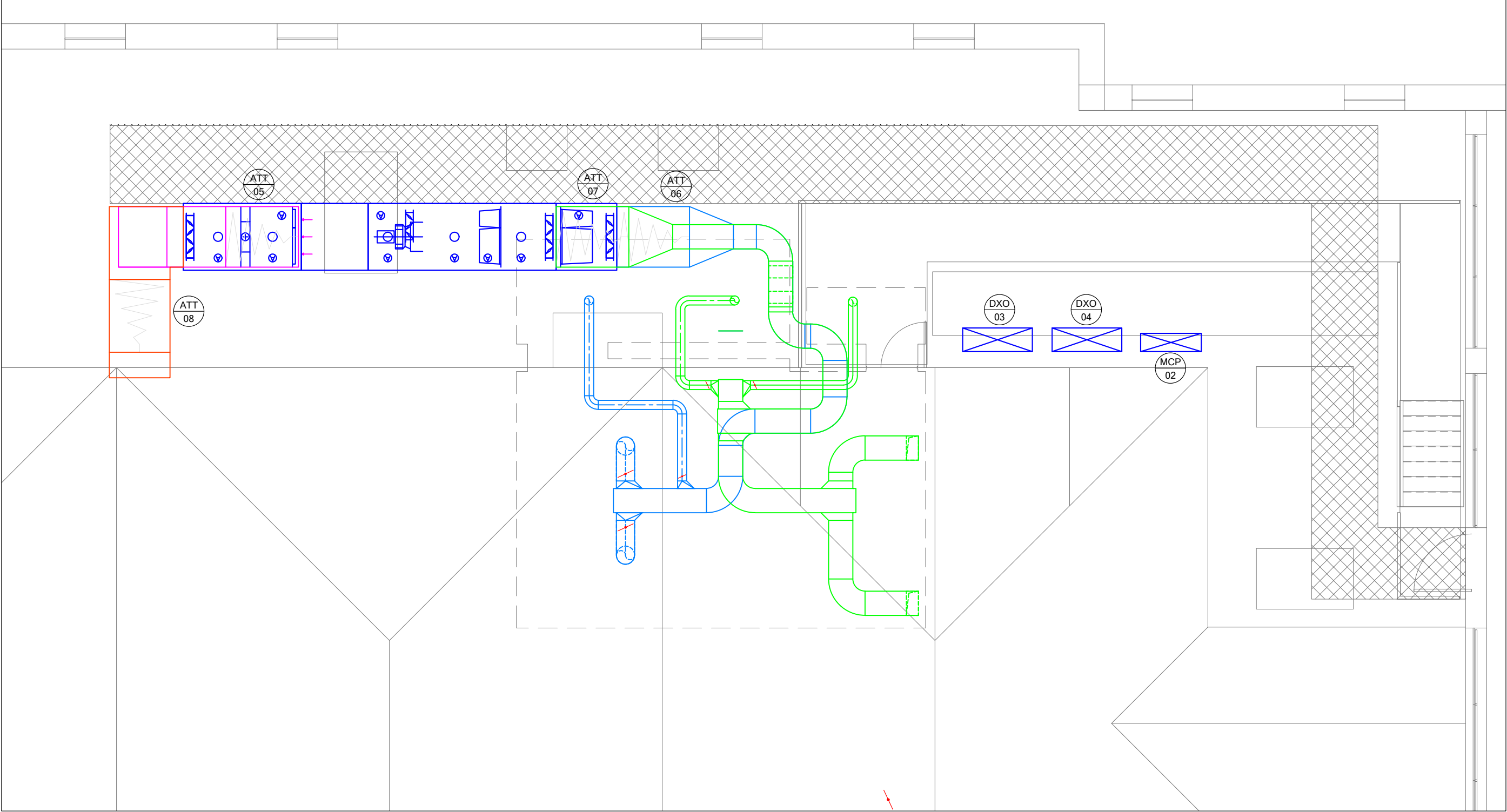
FILE DRAWING NUMBER
20-1102

EV.	
1	



Endoscopy AHU Location

Ductwork and AHU M&E Layout (exact ductwork routes/lengths TBC) - Ductwork to be hidden from public view behind proposed screens



ERCP AHU Location

Ductwork and AHU M&E Layout (exact ductwork routes/lengths TBC)





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