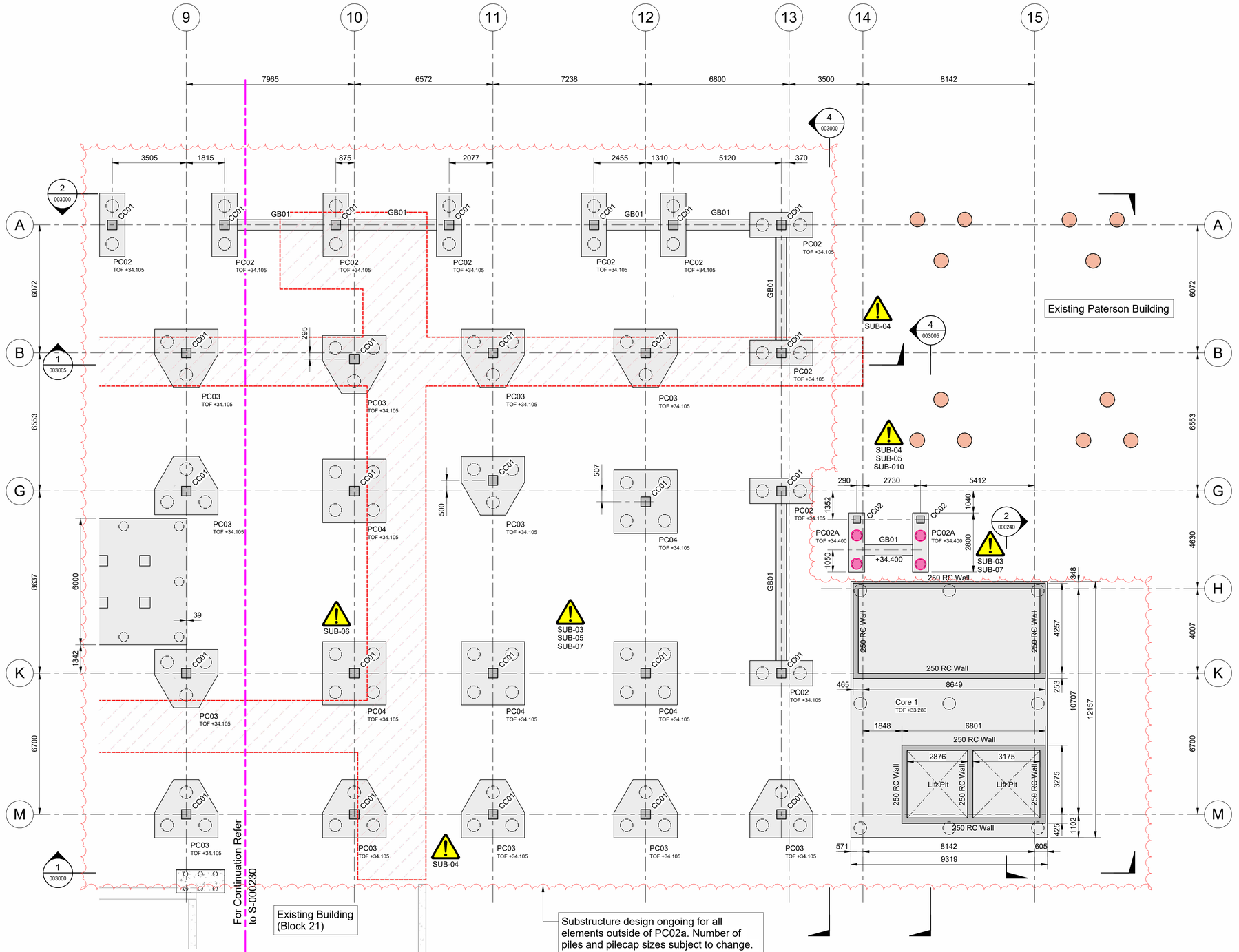


SIGNIFICANT RESIDUAL RISK

Notes below are additional to the hazards/risks normally associated with this stage of works refer to Designer's Hazard Elimination & Management record for more information.

Ref.	Hazard	Activity / Process
SUB-03	Contaminated made ground	Excavations into made ground. Site specific GI undertaken and reviewed, risk is low.
SUB-04	Undermining existing foundations	Piled foundations constructed in close proximity to existing substructure.
SUB-05	Vibration causing disturbance to surrounding operational hospital	Piled foundation installation causing unacceptable vibration. Vibration monitoring strategy to be agreed with the Trust. CFA piles to be considered to mitigate vibration.
SUB-06	Live services	Disturbance to live services in basement could take down the hospital / risk of electrocution.
SUB-07	Groundwater flooding excavations	Site specific GI recorded groundwater between 2.8-4.4m BGL. Excavation dewatering may be required.

MMD have completed an outline pile design at RIBA Stage 4 to inform the pile diameter and number of piles required.
The pile design is the responsibility of the specialist Sub-Contractor.
The pile cap arrangement and design is to be further reviewed upon receipt of the final pile design from the specialist Sub-Contractor.

RC Beam Schedule

Type	Depth	Width
GB01	500	500

RC Column Schedule

Type	Size
CC01	450Lx450W
CC02	350Lx350W

Pile Cap Schedule

Type	Total No.	Pile Cap Dimension Length (mm)	Width (mm)	Depth (mm)	Pile Construction No Of Piles	Dia (mm)	Edge (mm)	Embedment (mm)
PC02A	2	2800	750	600	2	450	150	75

Pile Caps - Grade C40/50

This drawing has been issued for RIBA Stage 4.
It is coordinated as far as reasonably practicable with the Architect, Building Services Engineer and remaining design team members. However, there are a number of outstanding areas that require further coordination and receipt of specialist supplier information.

1:100 0 5m 10m

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Notes

1. All dimensions are in millimetres unless stated otherwise.
2. All levels are in metres unless stated otherwise.
3. This drawing shall not be scaled.
4. This drawing should be read in conjunction with the Mott MacDonald RIBA Stage Report, reference CASICD-MMD-XX-XX-RP-S-000001 and the Mott MacDonald Basis of Design Report, reference CASICD-MMD-XX-XX-RP-S-000003.
5. Drawings are based on CASICD-DAY-XX-ZZ-M3-A-000001_P36 Architectural Model received 21-01-2026. Any information received after these dates has not been incorporated and will require further coordination at next stage.

Key to symbols

- Extent of basement to be demolished
- CC01 — Denotes Insitu Reinforced Concrete Column Type
- Insitu Reinforced Concrete Core Walls
- Existing piles from Paterson Building Record Informtion

Reference drawings

- CASICD-MMD-XX-XX-DR-S-000001_Structural General Notes Sheet 1 of 2
- CASICD-MMD-XX-XX-DR-S-000002_Structural General Notes Sheet 2 of 2
- CASICD-MMD-XX-PL-DR-S-000200_Piling Layout - Zone 1
- CASICD-MMD-XX-PL-DR-S-000201_Piling Layout - Zone 2
- CASICD-MMD-XX-PL-DR-S-000210_Piling Schedule
- CASICD-MMD-XX-FN-DR-S-000230_Foundation Zone 1 General Arrangement

Rev	Date	Drawn	Description	Ch'k'd	App'd
P04	23.01.26	MS	RIBA Stage 4 Issue	CS	AS
P03	01.04.25	MS	Updated to IHP Comments	CS	AS
P02	28.03.25	MS	Stage 3 Issue - PMI / Addendum	CS	AS
P01	19.10.23	MS	Stage 3 Issue - For Coordination	MU	JH

Status Stamp
PRELIMINARY

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Client
The Christie NHS Foundation Trust

Title
The Christie Advanced Scanning & Imaging Centre Development (CASICD)
Foundations - Zone 2
General Arrangement

Designed	M. Ufton	MU	Eng. Check	C. Smith	CS
Drawn	E. Español	EE	Coordination	C. Smith	CS
Dwg. Check	M. Ufton	MU	Approved	A. Simpson	AS

MMD Project Number: 100114293
Scale at A1: 1 : 100
Security: STD
Suitability Description: Suitable for Review & Comment
Suit. Code: S3
Drawing Number: CASICD-MMD-XX-FN-DR-S-000231
Rev: P04