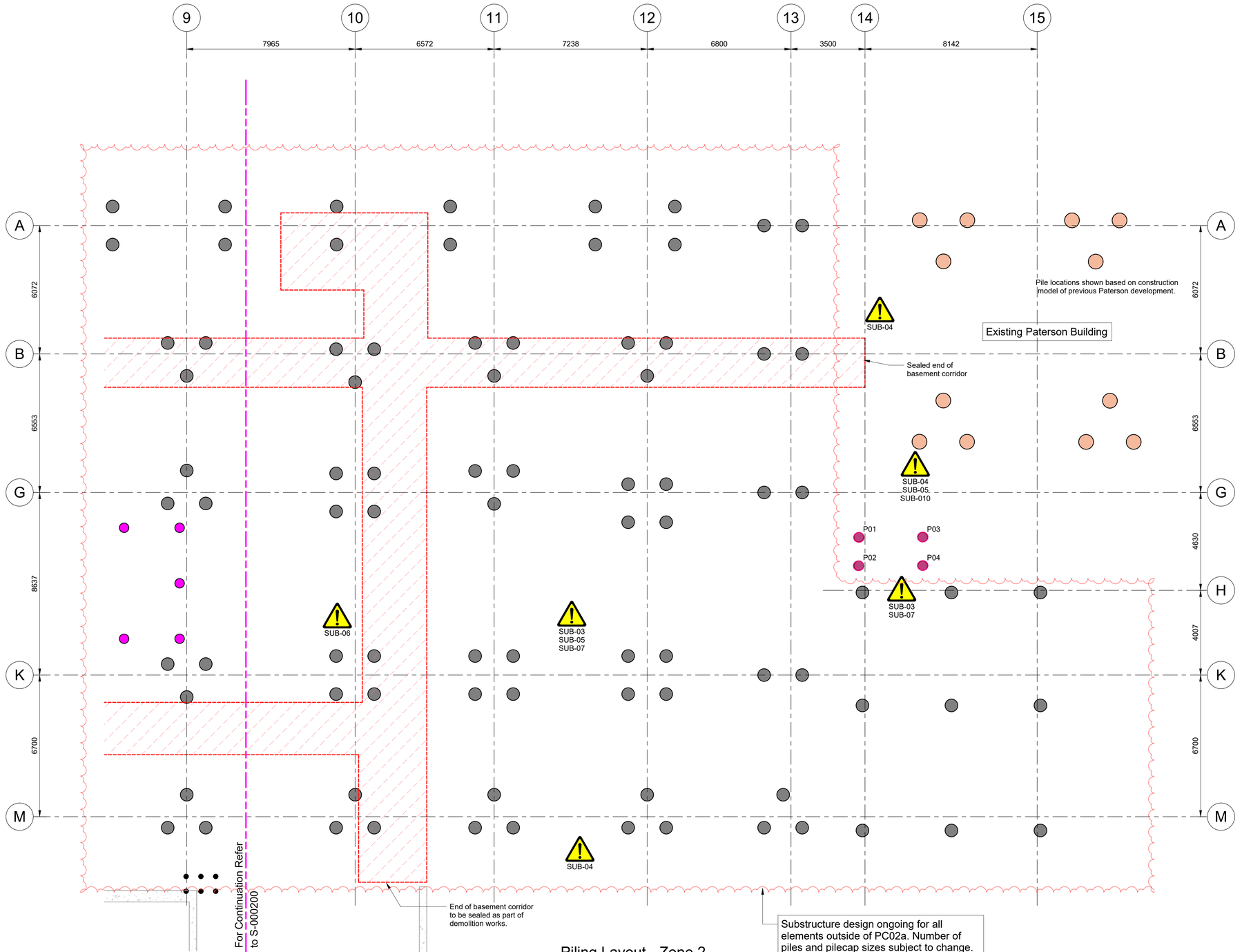



## Piling Layout - Zone 2

1 : 100

**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.

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.
6. Refer drawing CASICD-MMD-XX-PL-DR-S-000210 for piling schedule.

### Key to symbols

- Extent of basement to be demolished
- Proposed new pile location
- Crane Piles TBC
- Existing piles from Paterson Building Record Information

### 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-000210_Piling Schedule
- CASICD-MMD-XX-FN-DR-S-000231_Foundation Zone 2 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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The Christie NHS Foundation Trust

Title

# The Christie Advanced Scanning & Imaging Centre Development (CASICD) Piling Layout - Zone 2

| | | | | | |
|---|---|---|---|---|---|
| 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 | Scale at A1 | Security |
| 100114293 | 1 : 100 | STD |
| Suitability Description | | Suit. Code |
| Suitable for Review & Comment | | S3 |
| Drawing Number | | Rev |
| CASICD-MMD-XX-PL-DR-S-000201 | | P04 |