

100mm wide concrete blocks below facing brickwork.  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

100mm wide concrete blocks  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

140mm wide concrete blocks  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

215mm wide concrete blocks  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

440mm wide concrete blocks  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

Sleeper Wall - 100/140mm wide concrete blocks.  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

Sleeper Wall - 215mm wide concrete blocks.  
(compressive strength 17.5N/mm<sup>2</sup> in 1:1:6 mortar.

All substructure Beam & Block infill blocks to be 3.5N/mm<sup>2</sup>

NOTE: Where infill blocks to beam and block floor are built into adjacent walls,  
the infill block is to be the same strength and density as the wall blockwork.

SUBSTRUCTURE KEY

● DD1 Direct Drain Connection (No.1).

● SVP1 Soil Vent Pipe (No.1).

Telescopic Air Vents To Ventilate Sub Floor Void.

Air Bricks positioned at 2m max. Centres.

NOT TO BE POSITIONED BELOW DOOR THRESHOLD (Door Position Indicated By Dashed Lines).

This is a detailed architectural drawing of a substructure layout. It shows a complex arrangement of walls, floors, and structural elements. The drawing includes various dimensions, such as wall thicknesses (e.g., 100mm, 140mm, 215mm, 440mm) and floor spans (e.g., 150mm). It also shows structural details like concrete blocks, mortar, and reinforcement. Key features include a 'Bike Store', 'Bin Store', 'Water tank', and a 'LIFT'. The drawing is oriented with a north arrow pointing towards the top right. The overall dimensions of the substructure are 22902 units by 41954 units. The drawing is a technical drawing, showing structural details and dimensions. It includes a legend, a key plan, and a table of revisions. The drawing is a technical drawing, showing structural details and dimensions. It includes a legend, a key plan, and a table of revisions.

SUBSTRUCTURE LAYOUT  
SCALE 1:50

Notes  
All dimensions to be checked on site prior to the commencement of construction and any discrepancy should be reported to the Site Manager.

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Sub-Contractors MUST ensure that they have the latest issue drawing before they commence work on site.

This drawing is to be read in conjunction with all relevant Specifications, schedules and Engineers details.

| Rev | Date     | Description                                                                                                                                                                                                     | Init. |
|-----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| K   | 07.05.25 | Openings updated as clouded to client comments, cant brickwork omitted & updated, wind posts added to S/E mark-ups and dimensions generally updated to brick dims.                                              | MB    |
| J   | 09.04.25 | LV store removed, sleeper wall added to bin store                                                                                                                                                               | ZJ    |
| I   | 04.04.25 | B&B removed from covered car park area, setting out adjusted as circled, sub floor vents added as circled                                                                                                       | ZJ    |
| H   | 07.03.25 | Addition of block thickness legend & hatches, Substructure detail refs added, Removed sleeper wall within Bin Store, Incoming services added in accordance with Utility site plan. Finished floor levels added. | DF    |
|     |          | Air brick review.                                                                                                                                                                                               |       |
| G   | 22.01.25 | Lift shaft structural opening adjusted (1850x1850), Internal flat layouts revised and soil pipes rationalised. Sleeper walls added inline with B&B design                                                       | DF/ZJ |
| F   | 19.04.24 | Gully updated as clouded                                                                                                                                                                                        | MB    |
| E   | 22.03.24 | Structural engineers information added.                                                                                                                                                                         | GC    |
| D   | 16.02.24 | Construction Issue. Structural coordination in abeyance                                                                                                                                                         | ZJ    |
| B   | 04.01.24 | TENDER ISSUE                                                                                                                                                                                                    | JM    |
| A   | 20.10.23 | PRELIMINARY ISSUE                                                                                                                                                                                               | JM    |

Job title  
**Brooklands College  
Weybridge**

Drawing title  
**Block D  
Plots: 56 - 74  
Substructure Layout  
Sheet 1**

Scale  
1:50 @ A1

Date  
June 2023

Rev.  
K

Drawn  
JM

Dwg No.  
SA00394-0260-A-FTD-SUB

FOR DRAWING CONTINUATION REFER TO DRAWING SA00394-0261