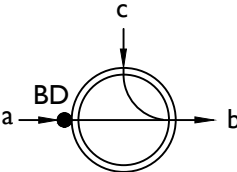
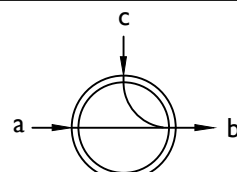
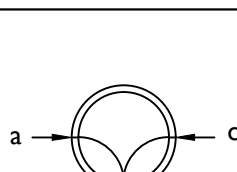
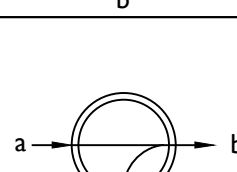
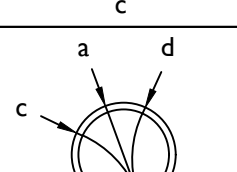
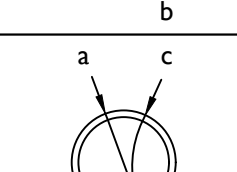
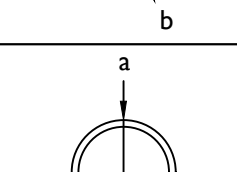
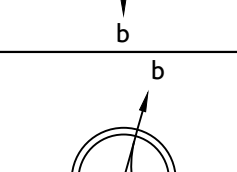
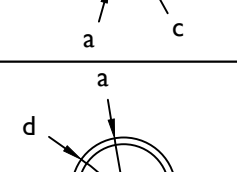
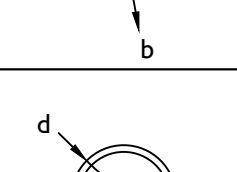
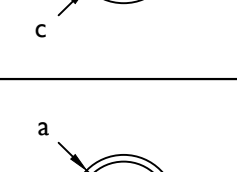
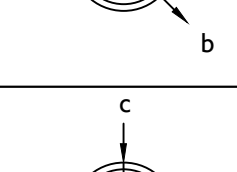
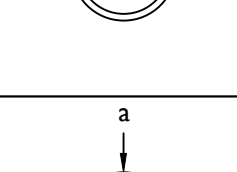
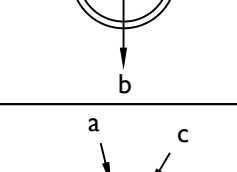
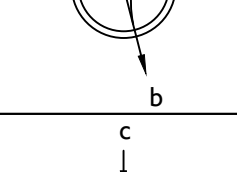
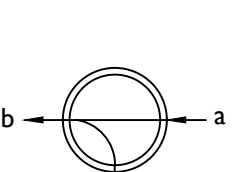
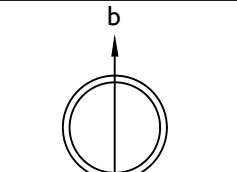
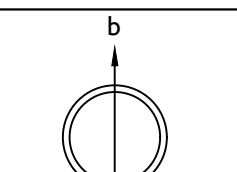
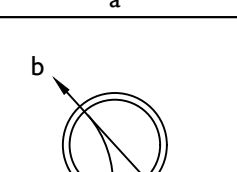
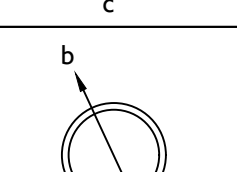


| FOUL MANHOLES |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
|---------------|-----------------|-------|------|------|--------|--------|---------------|----------------------|--------------------------|--------------|---------|----------|----------------|--------------------------------------------------------------------------------------|------------------------------|
| MH Ref.       | MANHOLE DETAILS |       |      |      |        |        | COVER DETAILS |                      | PIPE DETAILS             |              |         |          | MANHOLE LAYOUT | COMMENTS / DETAILS                                                                   |                              |
|               | Internal Size   | Type  |      |      | Levels |        | Depth (m)     | BS EN 124 Cover Ref. | Cover Size Clear Opening | Type of Pipe | Size In | Size Out |                |                                                                                      | Invert Level                 |
|               |                 | Brick | Conc | PPIC | Cover  | Invert |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1.0       | 1200Ø           |       | *    |      | 33.600 | 31.140 | 2.460         | C250                 | 600x600                  | CLAY         | 150a    |          | 31.835         |    | BD, BACKDROP DETAIL          |
|               | TYPE B          |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 31.140         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 150c    |          | 31.140         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1.1       | 1050Ø           |       | *    |      | 33.450 | 32.235 | 1.215         | C250                 | 600x600                  | CLAY         | 150a    |          | 32.235         |    |                              |
|               | TYPE B          |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.235         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 150c    |          | 32.235         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1.2       | 900Ø            |       | *    |      | 33.450 | 32.485 | 0.965         | C250                 | 600x600                  | CLAY         | 150a    |          | 32.485         |    |                              |
|               | TYPE B          |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.485         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 150c    |          | 32.485         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1.3       | 475Ø            |       |      | *    | 33.450 | 32.650 | 0.800         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |    | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1a        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |    | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100d    |          | 32.725         |                                                                                      |                              |
| FMH 1b        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |    | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1c        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |    | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 1d        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 2.0       | 475Ø            |       |      | *    | 33.600 | 32.650 | 0.950         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100d    |          | 32.725         |                                                                                      |                              |
| FMH 2a        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100d    |          | 32.725         |                                                                                      |                              |
| FMH 2b        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 3.0       | 475Ø            |       |      | *    | 33.450 | 32.550 | 0.900         | A15                  | 475Ø                     | CLAY         | 150a    |          | 32.570         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.550         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.625         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 3a        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 3b        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |
| FMH 3c        | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |
|               | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          | CLAY         | 100c    |          | 32.725         |                                                                                      |                              |
|               |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                      |                              |

| FOUL MANHOLES {cont'd} |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
|------------------------|-----------------|-------|------|------|--------|--------|---------------|----------------------|--------------------------|--------------|---------|----------|----------------|-------------------------------------------------------------------------------------|------------------------------|--|
| MH Ref.                | MANHOLE DETAILS |       |      |      |        |        | COVER DETAILS |                      | PIPE DETAILS             |              |         |          | MANHOLE LAYOUT | COMMENTS / DETAILS                                                                  |                              |  |
|                        | Internal Size   | Type  |      | PPIC | Levels |        | Depth (m)     | BS EN 124 Cover Ref. | Cover Size Clear Opening | Type of Pipe | Size In | Size Out |                |                                                                                     | Invert Level                 |  |
|                        |                 | Brick | Conc |      | Cover  | Invert |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
| FMH 4.0                | 475Ø            |       |      | *    | 33.450 | 32.650 | 0.800         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |  |
|                        | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              | CLAY    | 100c     |                |                                                                                     | 32.725                       |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
| FMH 4a                 | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |  |
|                        | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
| FMH 4b                 | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |  |
|                        | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
| FMH 4c                 | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |  |
|                        | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              | CLAY    | 100c     |                |                                                                                     | 32.725                       |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
| FMH 4d                 | 475Ø            |       |      | *    | 33.350 | 32.650 | 0.700         | A15                  | 475Ø                     | CLAY         | 100a    |          | 32.670         |  | LD, LIGHT WEIGHT PPIC DETAIL |  |
|                        | LD              |       |      |      |        |        |               |                      |                          | CLAY         |         | 150b     | 32.650         |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |
|                        |                 |       |      |      |        |        |               |                      |                          |              |         |          |                |                                                                                     |                              |  |

#### NOTES

- ALL LEVELS AS SHOWN ARE AS PER TOPOGRAPHICAL SURVEY.
- CONSTRUCTION AND TESTING OF DRAINS AND SEWERS TO COMPLY WITH BS EN 1610. CONTRACTOR SHALL NOTE THAT TOLERANCES OF + OR - 5% OF THE PIPES INTERNAL DIAMETER MUST BE ACHIEVED UP TO A MAXIMUM OF 20mm
- FOR MANHOLE CONSTRUCTION INFORMATION REFER TO STANDARD DETAILS DRAWINGS.
- PRECAST MANHOLES SHALL COMPLY WITH BS EN 1917
- POLYPROPYLENE CHAMBERS TO COMPLY WITH BS 7158.
- BRICKWORK CHAMBERS WILL TO BE CONSTRUCTED FROM CLASS B ENGINEERING BRICKS COMPLYING WITH BS 3921. BRICKS SHALL ALSO BE FROST-RESISTANT CATEGORY F.
- CLAY PIPES TO COMPLY TO BS EN 295
- CONCRETE PIPES TO COMPLY TO BS EN 1916
- TYPE OF PIPE "PERF" REFERS TO PERFORATED FILTER DRAINS TO COMPLY TO BS 4962.
- PLASTIC PIPE ALTERNATIVES  
IN NON-AGRESSIVE SOIL CONDITIONS PLASTIC PIPE ALTERNATIVES WILL BE DEEMED ACCEPTABLE. IF THE CONTRACTOR INTENDS TO USE PLASTIC PIPEWORK IN ACCORDANCE WITH BS 4660 - THE FOLLOWING STANDARDS WILL BE REQUIRED:  
  
DRAINAGE CONNECTIONS OF LESS THAN 150Ø SHALL BE SOLID WALL uPVC PIPES COMPLYING WITH BS EN 1401-1  
  
PIPE SIZES 150-900Ø (TO BE USED IN FOUL OR COMBINED FLOW DRAINAGE SYSTEMS) SHALL BE THERMOPLASTIC STRUCTURED WALL PIPE COMPLYING WITH WIS 4-35-01  
  
PIPE SIZES 150-900Ø (TO BE USED IN SURFACE WATER DRAINAGE SYSTEMS) SHALL BE THERMOPLASTIC STRUCTURED WALL PIPES WITH BBA & HAPAS ACCREDITATION.  
  
THE CONTRACTOR SHALL SUBMIT DETAILS OF THE PROPOSED PLASTIC PRODUCTS FOR APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL ALSO NOTE THAT CONNECTIONS TO PUBLIC SEWERS & MATERIALS USED IS SUBJECT TO AGREEMENT WITH THE ADOPTING AUTHORITY AND THE CONTRACTOR SHALL THEREFORE ASSUME THAT TRADITIONAL MATERIALS MUST BE USED UNLESS EXPRESSIVELY INFORMED OTHERWISE.
- MOULDED PPIC BASES HAVE A CAST IN SLOPE OF 20mm ACROSS THE MAIN CHANNEL AND A STEP OF 75mm FROM THE MAIN CHANNEL TO INCOMING BRANCHES. WHERE PPIC MANHOLES ARE SHOWN, LEVELS HAVE BEEN CALCULATED TO REFLECT THE SLOPE / STEP AS NECESSARY.
- MOULDED MINI PPIC BASES HAVE A CAST IN SLOPE OF 20mm ACROSS THE MAIN CHANNEL AND A STEP OF 35mm FROM THE MAIN CHANNEL TO INCOMING BRANCHES. WHERE MINI PPIC MANHOLES ARE SHOWN, LEVELS HAVE BEEN CALCULATED TO REFLECT THE SLOPE / STEP AS NECESSARY.

|     |             |   |   |   |   |    |     |     |      |
|-----|-------------|---|---|---|---|----|-----|-----|------|
|     |             |   |   |   |   |    |     |     |      |
| -   | -           | - | - | - | - | -  | -   | -   | -    |
| REV | DESCRIPTION |   |   |   |   | BY | CHK | APR | DATE |

|                                                                                                                                                                  |                            |
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| PURPOSE OF ISSUE<br><b>PRELIMINARY</b>                                                                                                                           | STATUS<br><b>P</b>         |
| PROJECT<br><b>FORMER GREENFINCH PUBLIC HOUSE<br/>LAPWING LANE<br/>DIDSURY</b>                                                                                    |                            |
| TITLE<br><b>DRAINAGE SCHEME<br/>FOUL MANHOLE SCHEDULE</b>                                                                                                        |                            |
| CLIENT<br><b>Churchill Retirement Living</b>                                                                                                                     |                            |
| DRAWN BY<br><b>RH</b>                                                                                                                                            | CHECKED BY<br><b>MM</b>    |
| APPROVED BY<br><b>JP</b>                                                                                                                                         |                            |
| DATE<br><b>31.03.2026</b>                                                                                                                                        | SCALE (@ A1)<br><b>NTS</b> |
| PROJECT NUMBER<br><b>90023</b>                                                                                                                                   |                            |
| DRAWING NUMBER<br><b>0603</b>                                                                                                                                    |                            |
| REV<br><b>P01</b>                                                                                                                                                |                            |