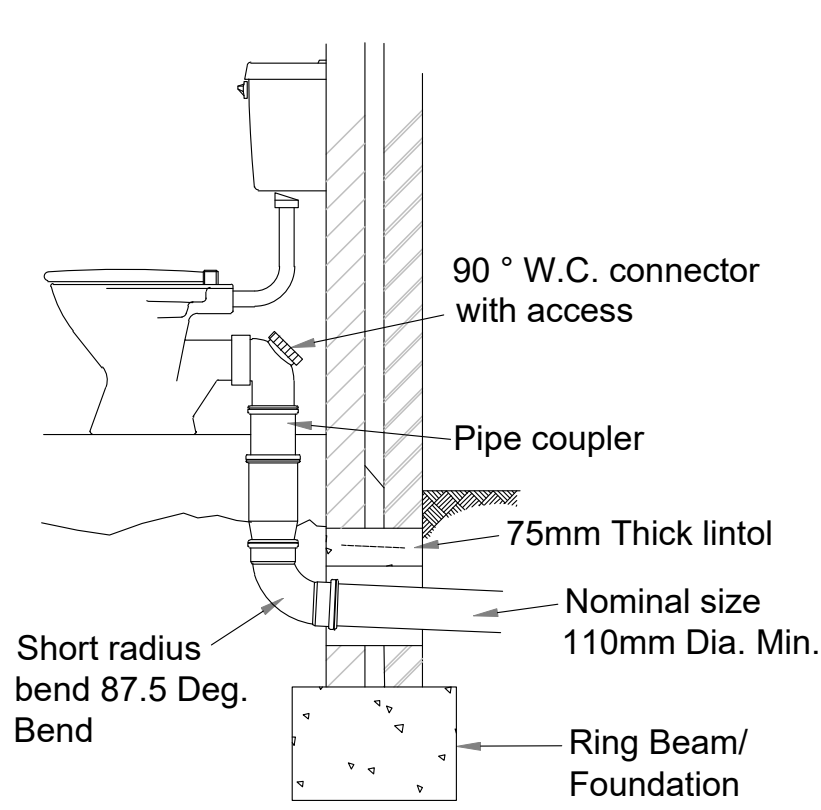
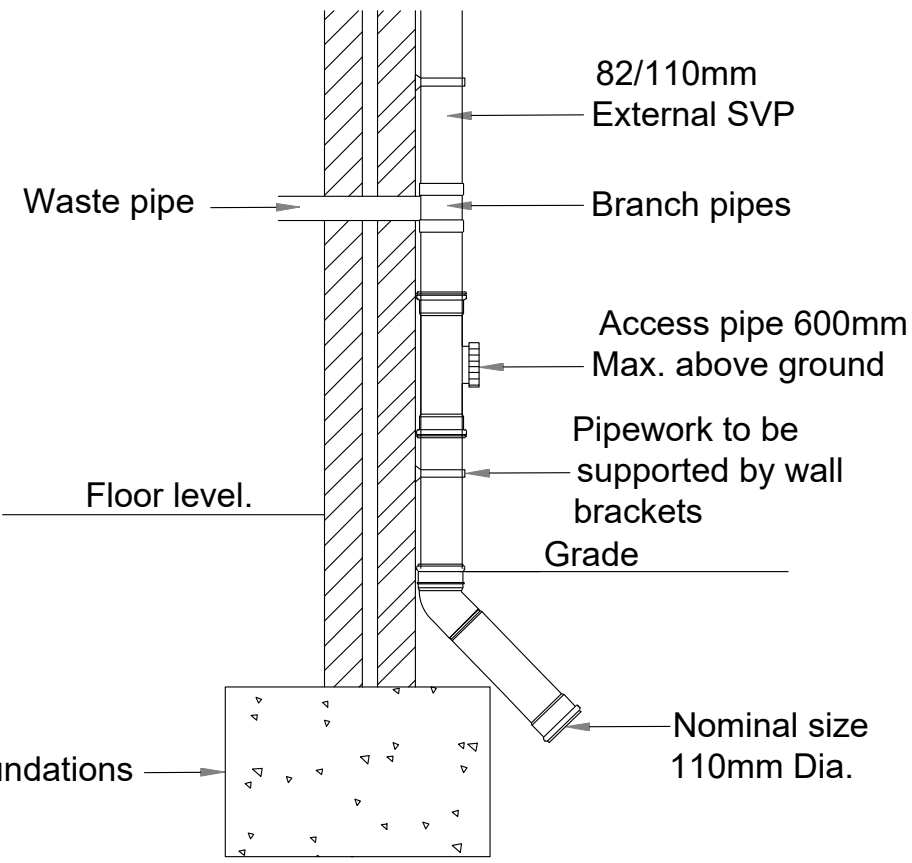


NOTES:

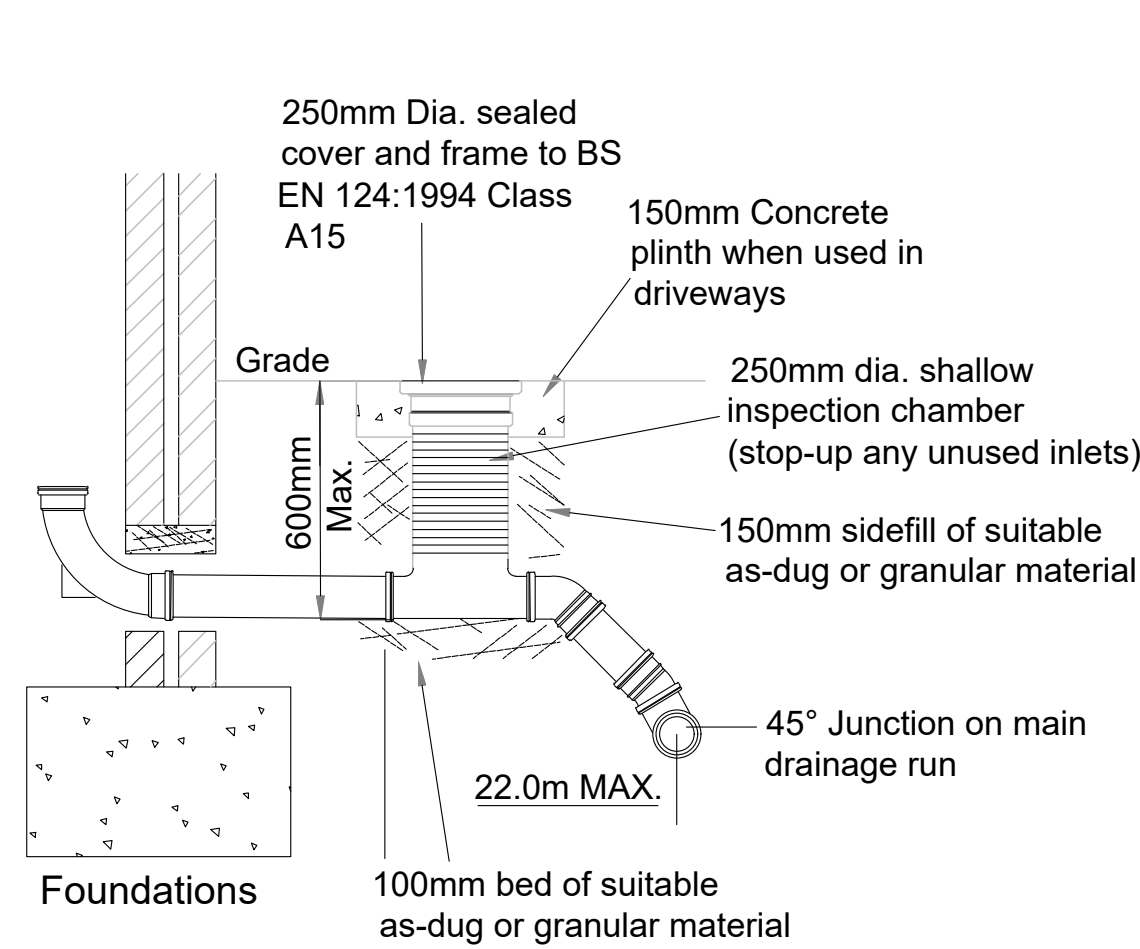
1. Drainage design and construction to be in accordance with Sewers for Adoption 7th Edition and the requirements of the statutory undertaker.
2. Refer to drawing 001 for general notes.
3. 100mm diameter plastic pipe shall comply with the relevant provisions of BS EN 1401-1, BS EN 1852 and BS EN 12666-1. thermoplastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 and be kite marked.
4. All pipes running through walls to have at least 50mm clearance all round and the opening masked with rigid sheet material.



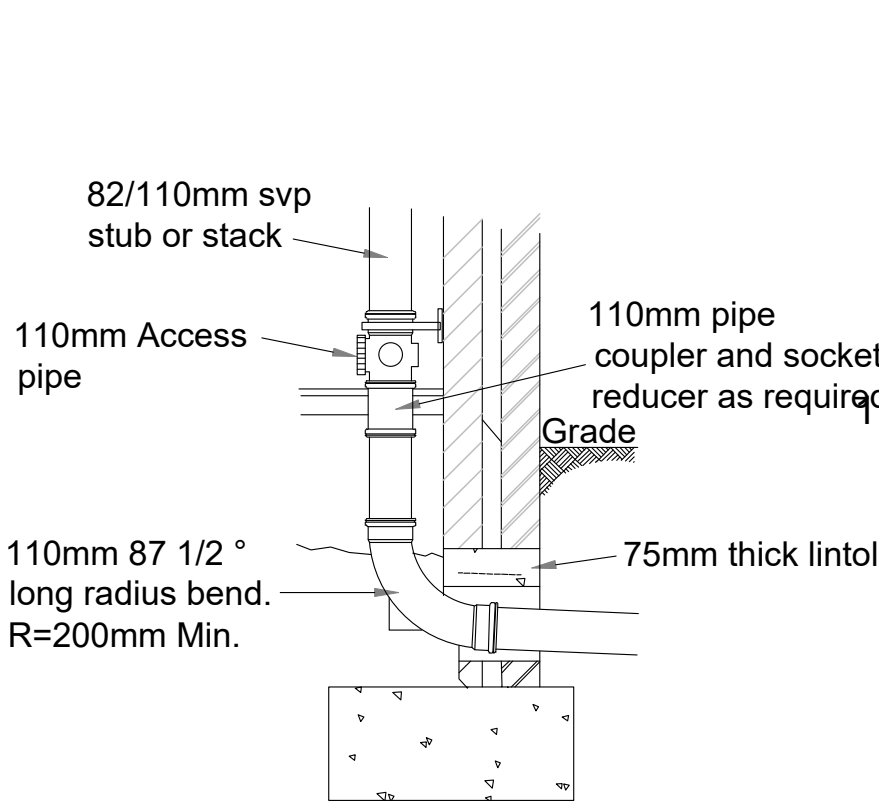
W.C. DIRECT TO DRAIN



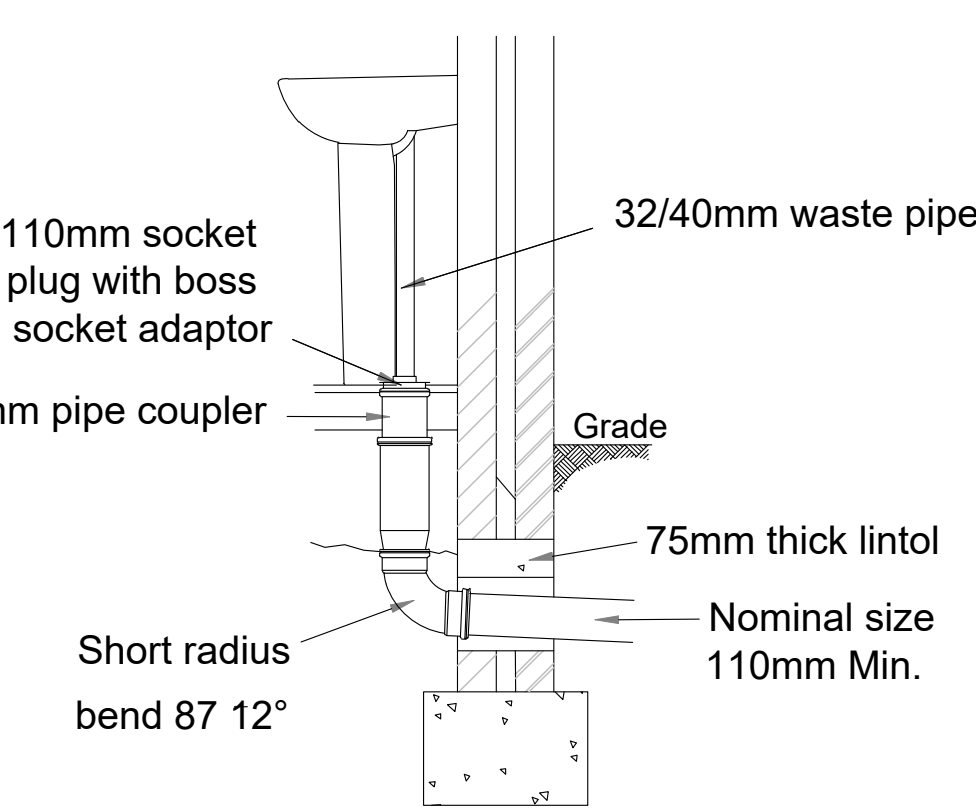
EXTERNAL SOIL STACK



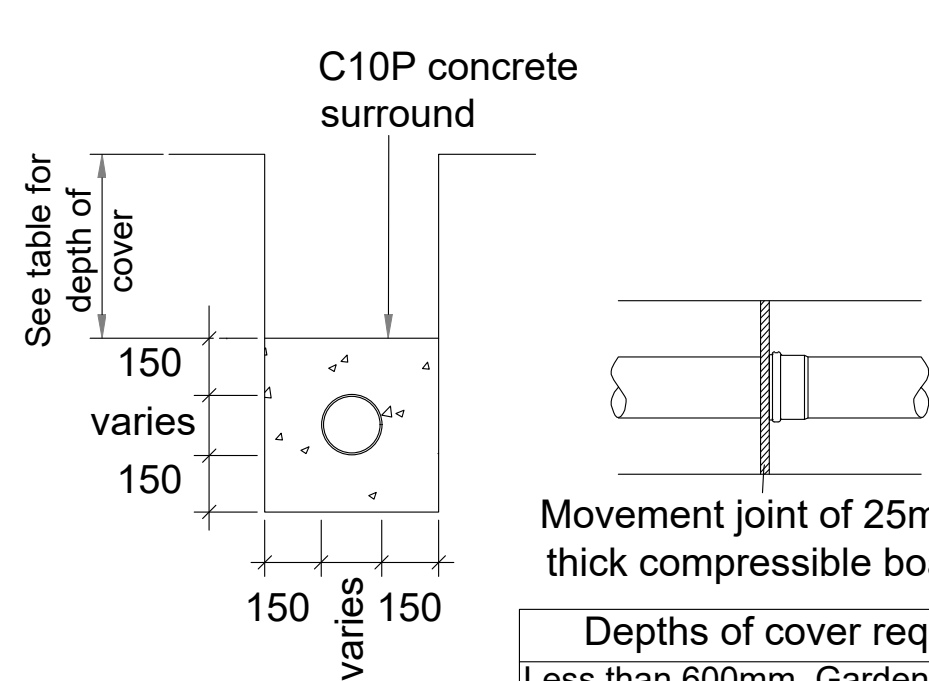
SHALLOW INSPECTION CHAMBER  
For use in soft areas & driveways only



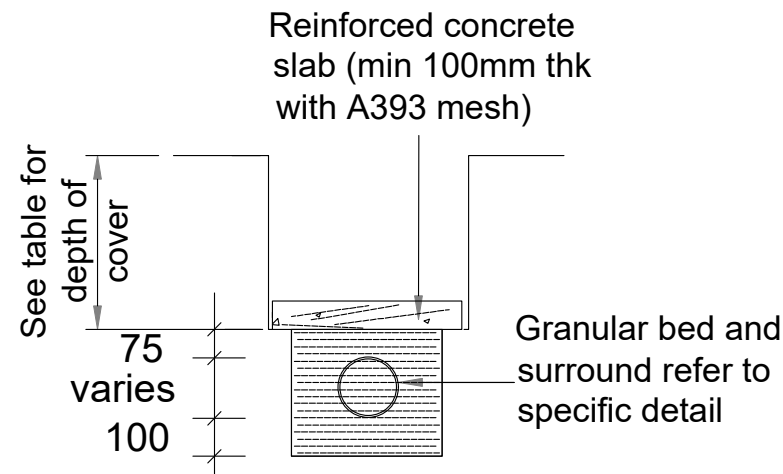
SOIL AND VENT PIPE CONNECTION  
AND STUB STACK CONNECTION



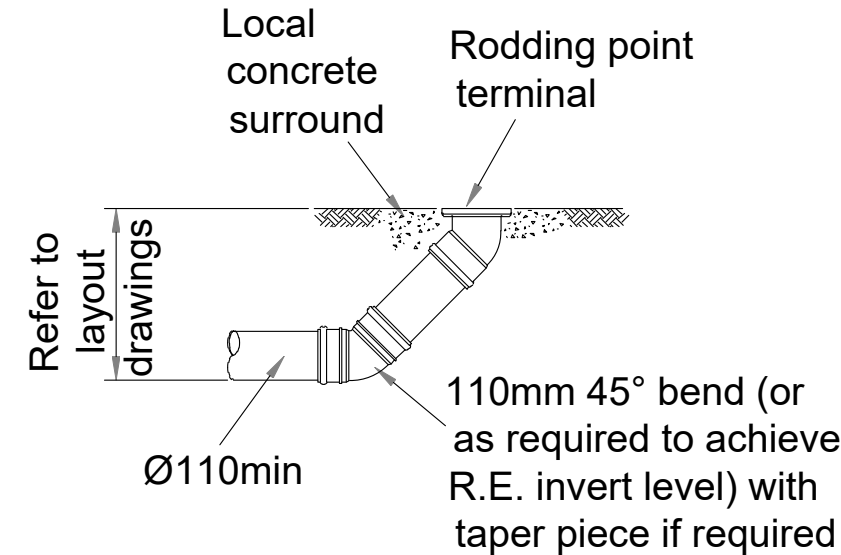
INTERNAL WASTE PIPE CONNECTION



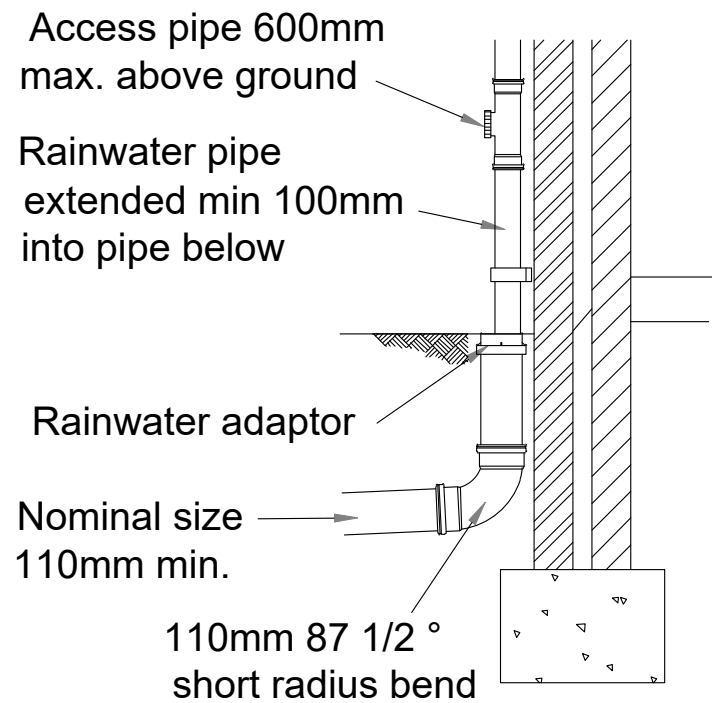
SPECIAL PROTECTION-GROUND LOADS (H1. DIAG's 11 & 12)



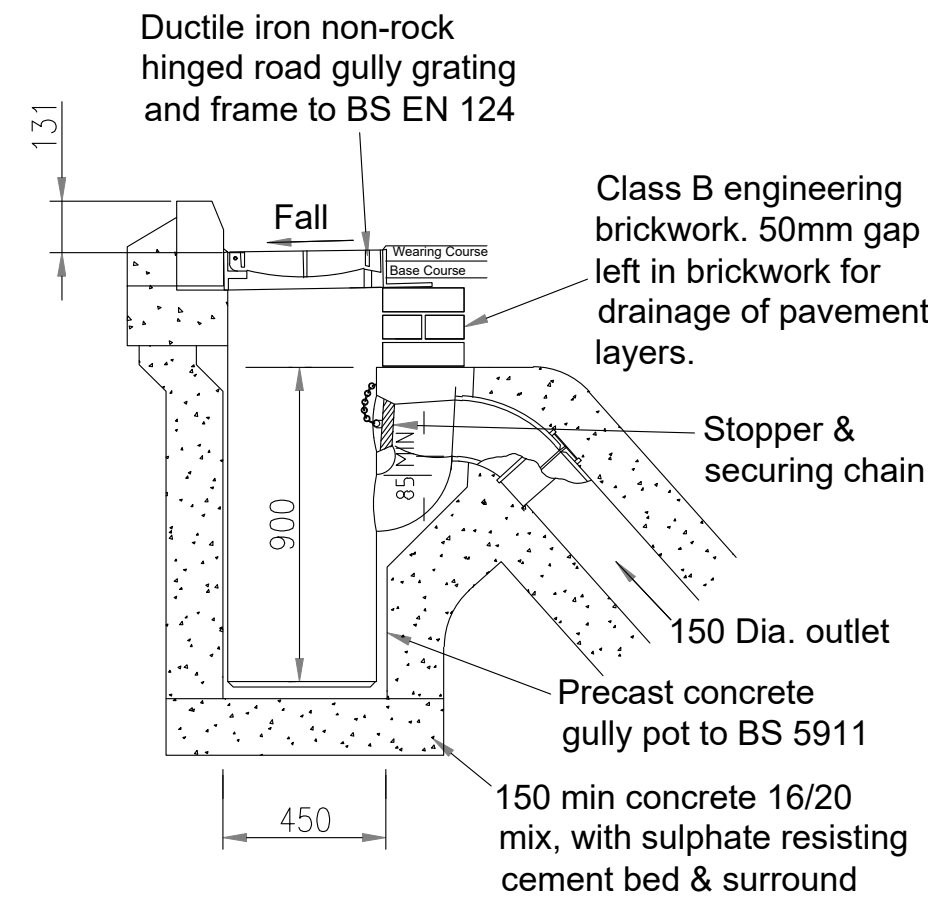
| Depths of cover requiring special protection   |  |
|------------------------------------------------|--|
| Less than 600mm, Gardens & Grassed Areas       |  |
| Less than 900mm, Roads, Drives & Parking Areas |  |



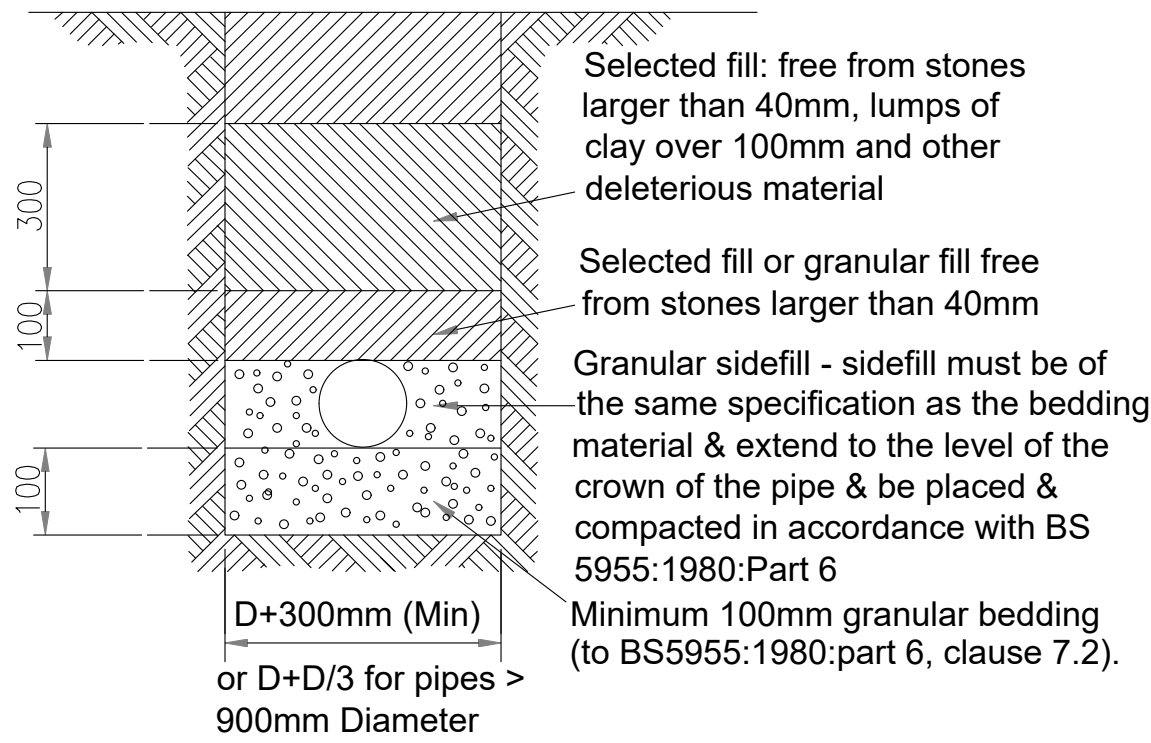
RODDING EYE



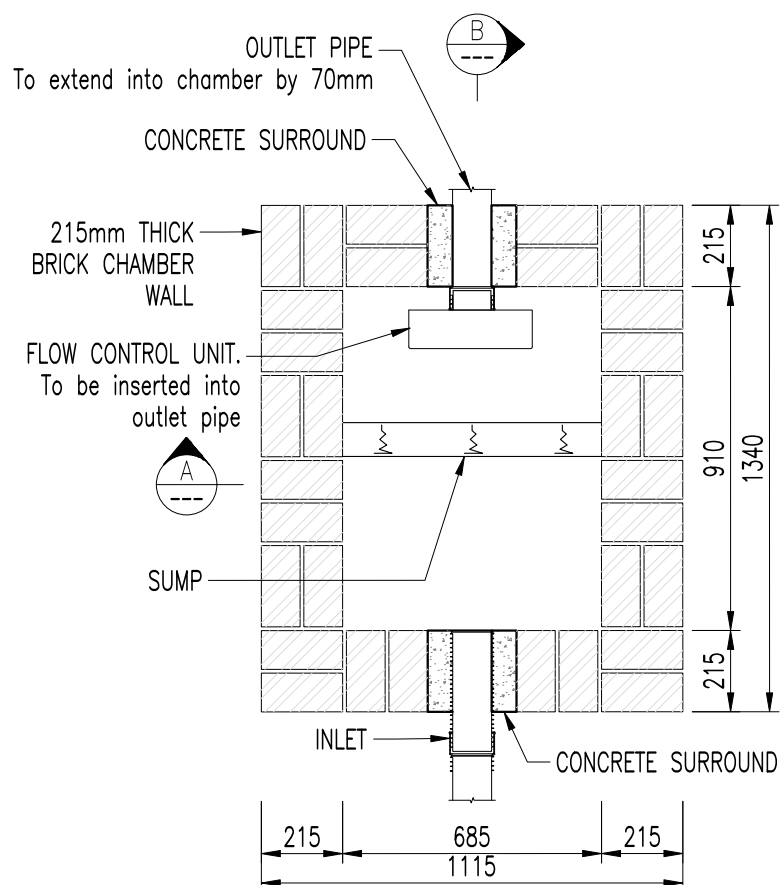
EXTERNAL R.W.P. TO DRAIN



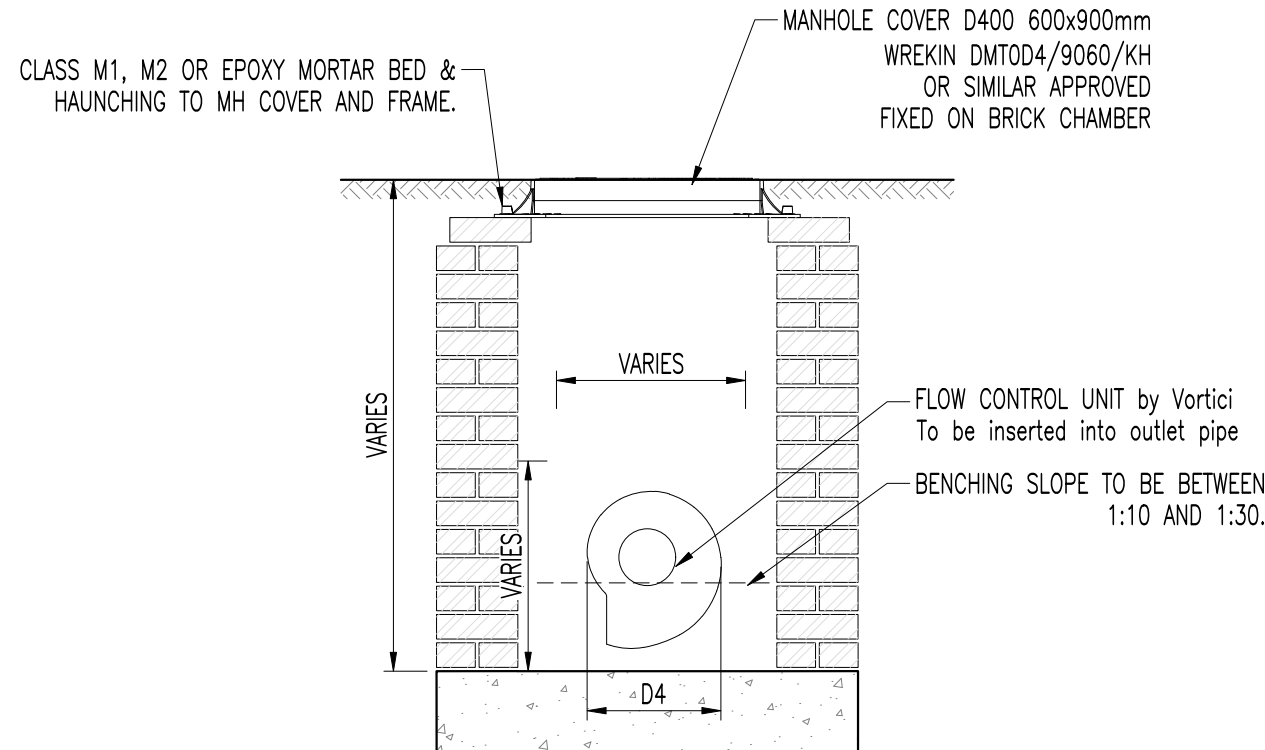
PRECAST ROAD GULLY



CLASS F BEDDING DETAIL  
FOR uPVC PIPES



PLAN



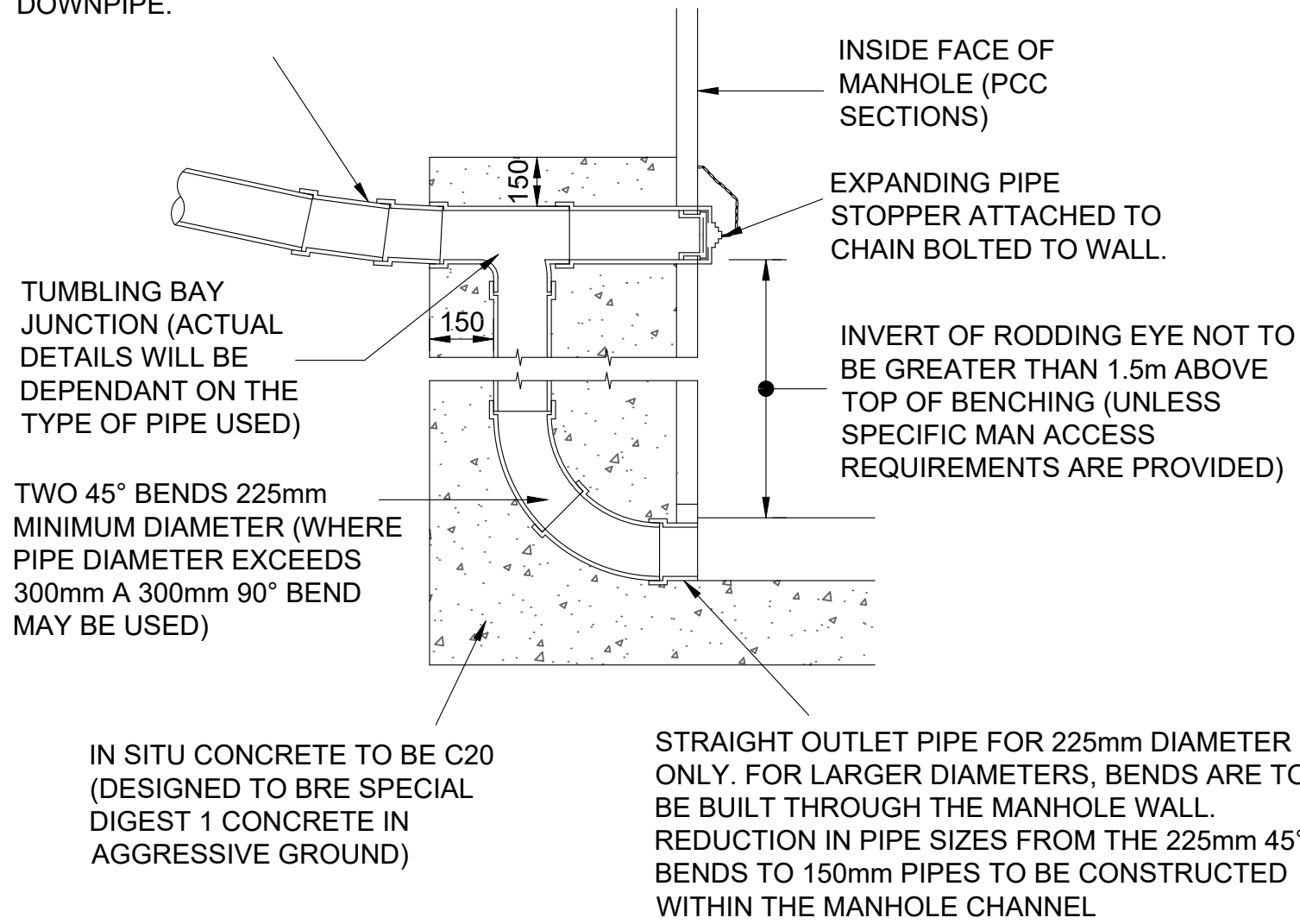
SECTION A-A  
BRICK VORTEX FLOW CONTROL CHAMBER  
DETAIL

SCALE 1:20

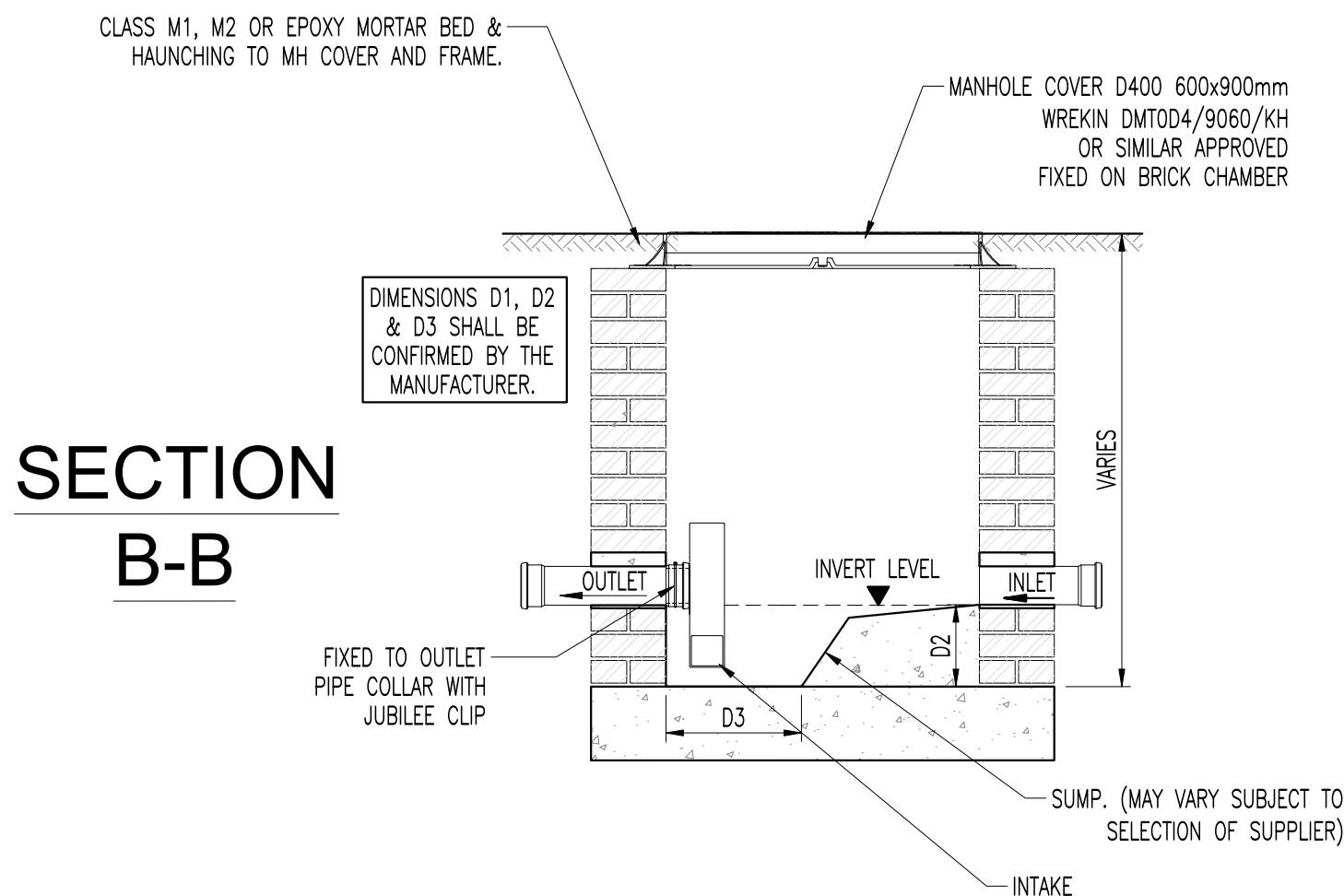
NOTES

1. Do not scale from this drawing.
2. Cover Grade shall be minimum D400 unless otherwise agreed with the Highway Inspector. 600mm x 600mm clear opening (See note on PLAN).
3. Manhole cover and frames shall comply with the relevant provisions of BS EN 124, BS 7903 and Highway Agency Guidance Document HA 104/02. They shall be of a non-rocking design which does not rely on the use of cushion inserts. All manhole covers shall be the non-ventilating type and shall have closed keyways. All covers formed of double triangular units shall be loosely bolted together.
4. Frames shall be bedded on a gauged Class 1 (3:1) sand/cement mortar to Cl.2402 of SHW Mortar Designation (i), and between 2 and 4 courses of Engineering Brickwork Class 'B' to BS EN 771-1:2011.
5. Precast concrete manhole pattern step irons at 300mm centres vertically and staggered 300mm horizontally between centres.
6. On manholes less than 1.5mØ reducing slab not to be used and PC rings to continue up to cover slab.
7. Pre-cast concrete products shall comply with the relevant provisions of BS 5911: Part 2, 200 & 230.
8. The flow control quotation and specification, and chamber details shall be supplied to DCWW in order that the 'commuted sum' can be calculated.
9. The chamber shall be of suitable size, type and construction relative to the flow control unit dimensions. The chamber must be installed in strict accordance with the supplier recommendations. Any variations shall be reported to DCWW.

ROCKER PIPES TO ACCOMMODATE TRANSITION OF PIPE GRADIENT TO VERTICAL DOWNPIPE.



VERTICAL BACKDROP DETAIL



SECTION B-B

| REV | DATE | BY | DESCRIPTION | CHK | APPD |
|-----|------|----|-------------|-----|------|
|-----|------|----|-------------|-----|------|

|                 |  |  |  |  |  |
|-----------------|--|--|--|--|--|
| DRAWING STATUS: |  |  |  |  |  |
|-----------------|--|--|--|--|--|

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|         |                                 |
|---------|---------------------------------|
| CLIENT: | MR. ALISTAIR & MRS ANWEN BUTLER |
|---------|---------------------------------|

|            |                |
|------------|----------------|
| ARCHITECT: | DR DESIGN LTD. |
|------------|----------------|

PROJECT: MARCHOLWS, PENIEL CARMARTHENSHIRE SA32 7AA

TITLE: STANDARD DRAINAGE DETAILS Sheet 1 of 2

|             |                  |               |     |           |          |
|-------------|------------------|---------------|-----|-----------|----------|
| SCALE @ A1: | NTS              | CHECKED:      | RD  | APPROVED: | IH       |
| CAD FILE:   | HCE-1841-CVD-005 | DESIGN-DRAWN: | SC  | DATE:     | MAY 2026 |
| PROJECT No: | 1841             | DISCIPLINE:   | CVD | DRG No:   | 005      |
|             |                  |               |     | REV:      | R01      |