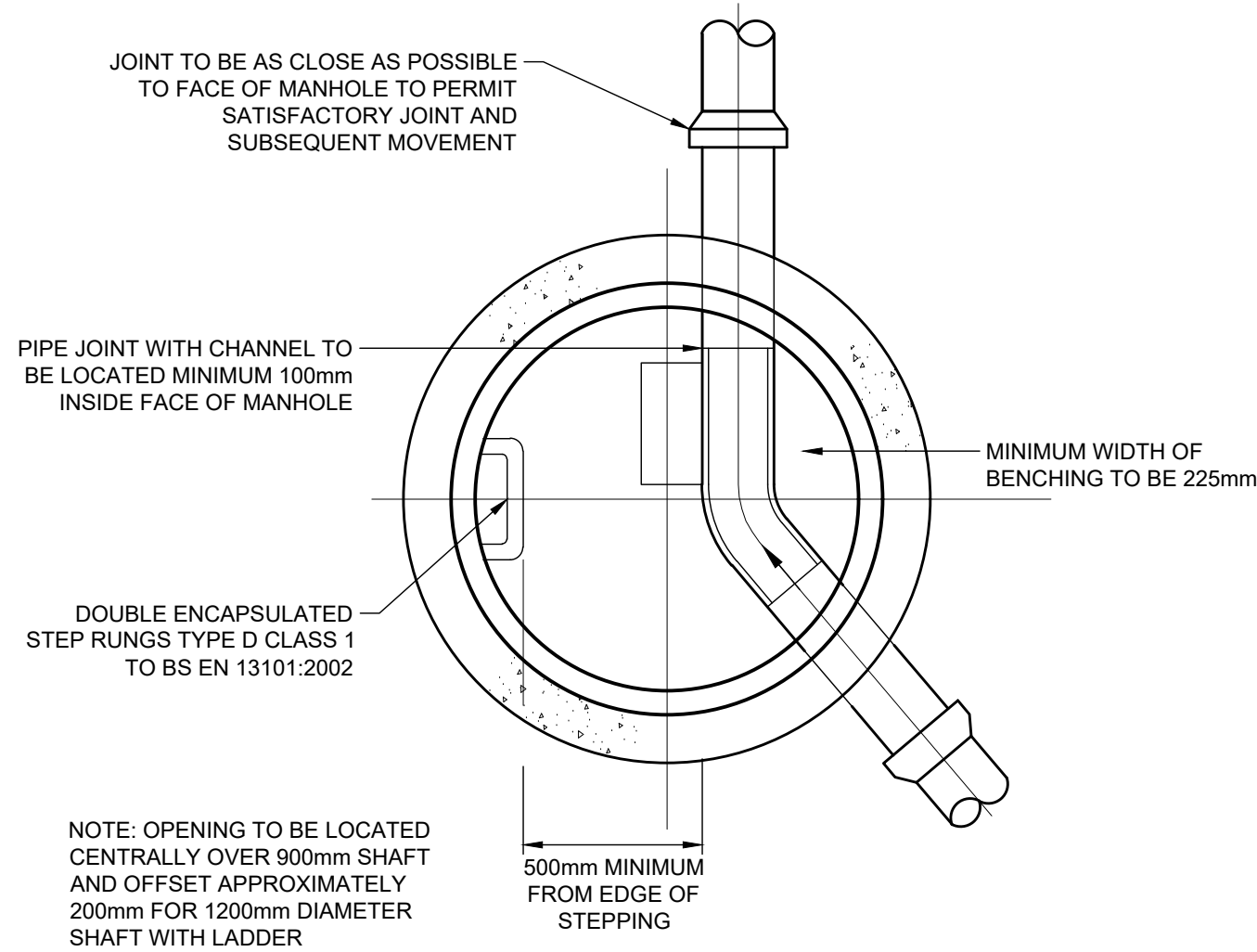
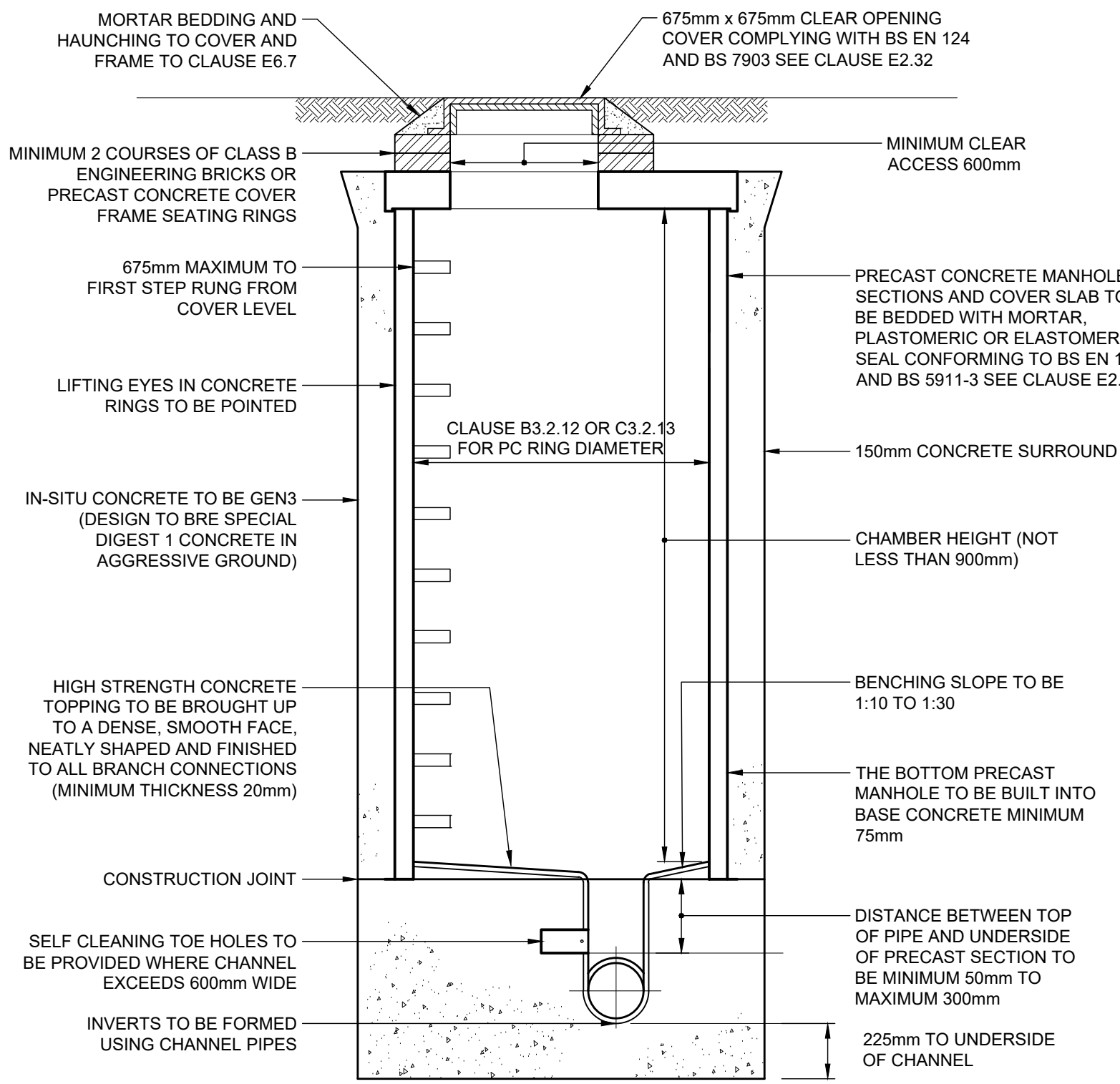
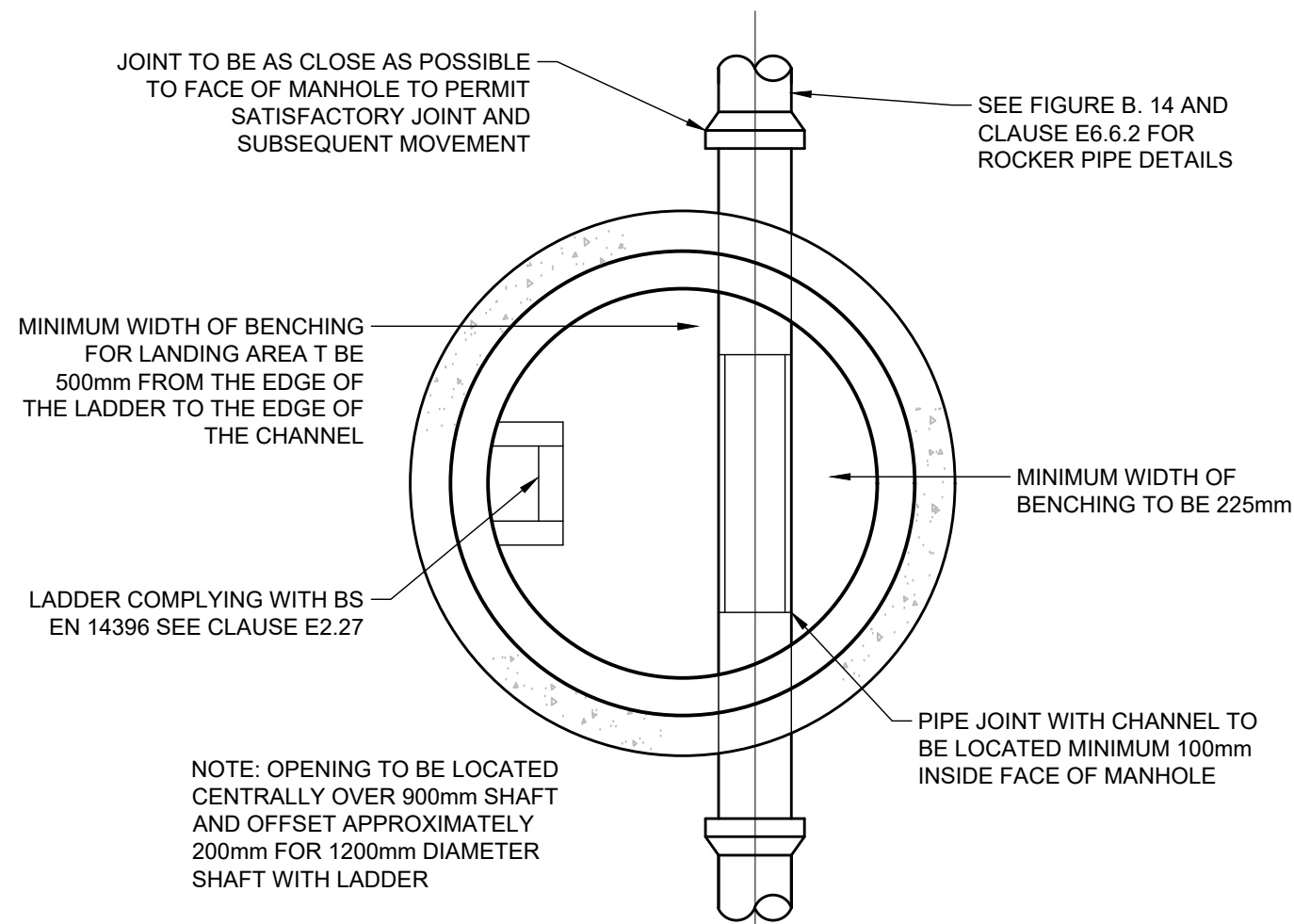
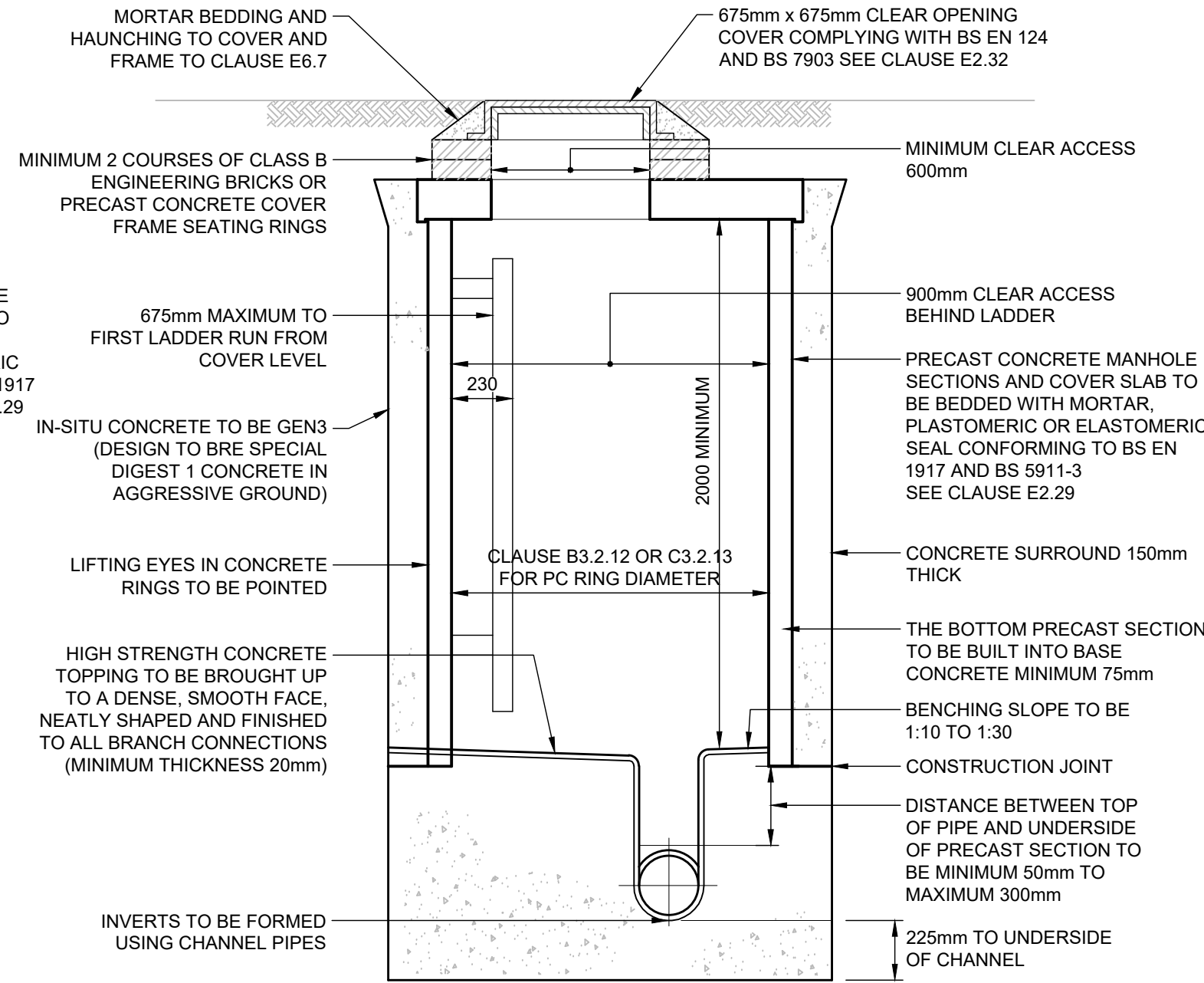


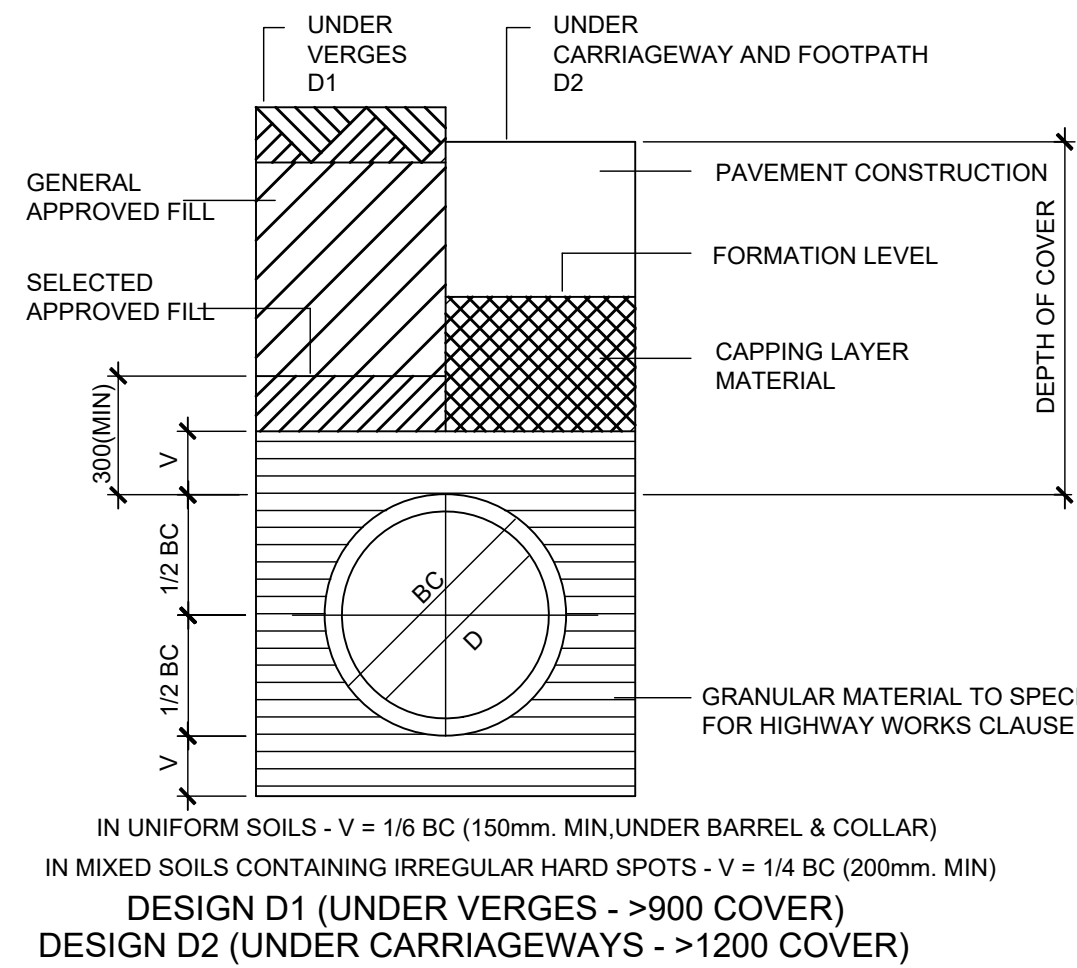


**TYPICAL MANHOLE DETAIL - TYPE 2**  
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5m - 3m

| TABLE B.1                                                 |                                                    |
|-----------------------------------------------------------|----------------------------------------------------|
| NOMINAL INTERNAL DIAMETER OF LARGEST PIPE IN MANHOLE (mm) | MINIMUM NOMINAL INTERNAL DIMENSION OF MANHOLE (mm) |
| LESS THAN 375                                             | 1200                                               |
| 375 - 450                                                 | 1350                                               |
| 500 - 700                                                 | 1500                                               |
| 750 - 900                                                 | 1800                                               |
| GREATER THAN 900                                          | PIPE DIAMETER + 900                                |

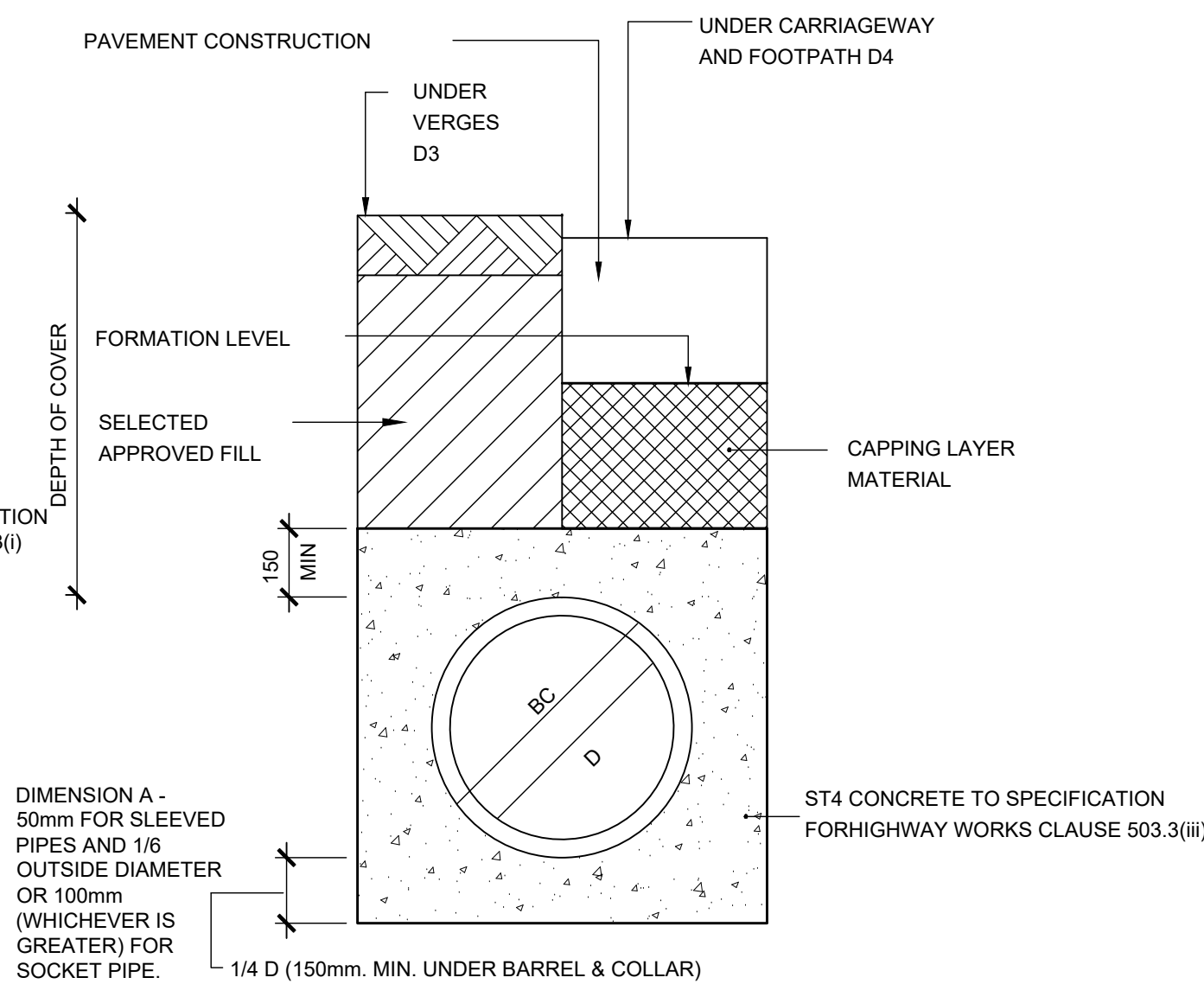


**TYPICAL MANHOLE DETAIL - TYPE 1B**  
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3-6m

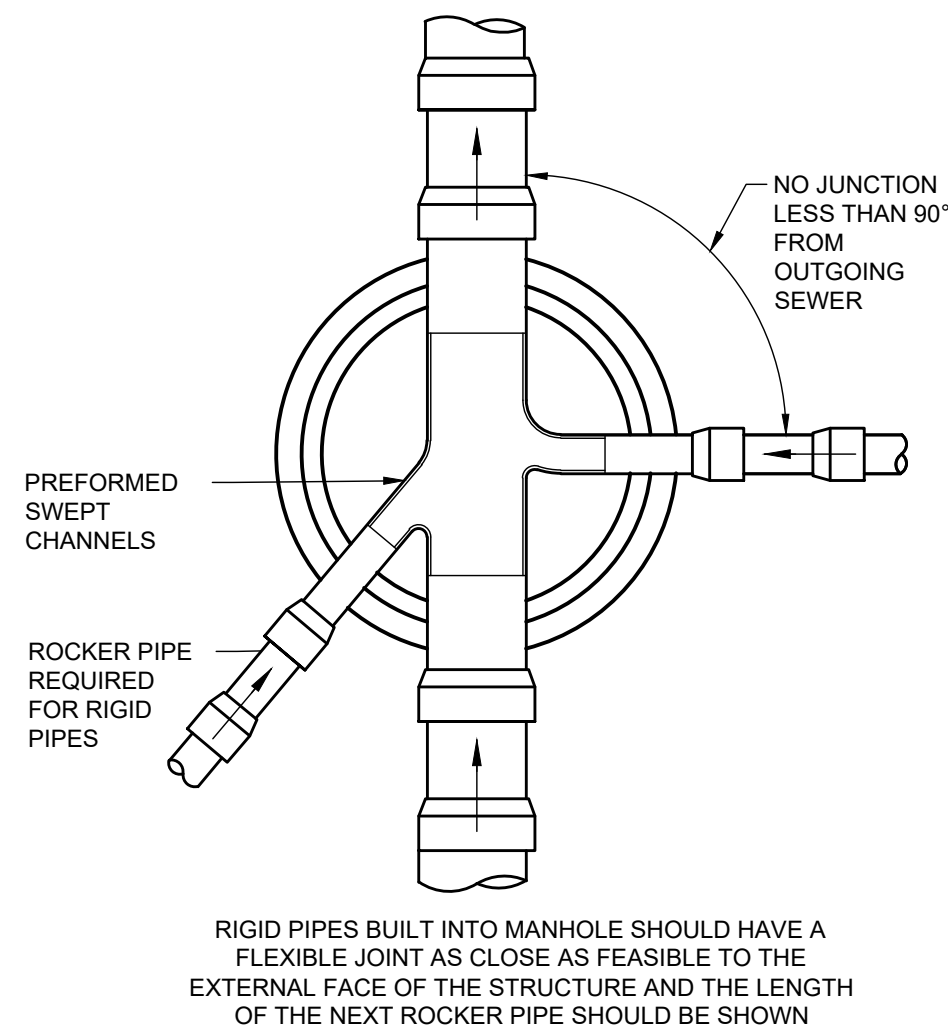


- WIDTH OF TRENCHES TO BE CONFIRMED BY THE CONTRACTOR ON SETTING OUT INFORMATION.
- ALL PIPES & CULVERTS SHALL HAVE FLEXIBLE JOINTS
- DESIGN D3/4 SHALL BE USED WHEN THE COVER FROM TOP OF PIPE TO FINISHED LEVEL IS LESS THAN 900 WITHIN THE HIGHWAY & 900 IN VERGES ETC.
- IN DESIGN D3/4 A 20 GAP SHALL BE FORMED IN THE CONCRETE SURROUND AT THE OUTER END OF THE SOCKET AT EACH FLEXIBLE JOINT. THE GAP SHALL EXTEND TO THE FULL THICKNESS OF THE CONCRETE & SHALL BE FILLED WITH SOFT FIBRE BOARD, EXPANDED POLYSTYRENE OR SIMILAR APPROVED MATERIAL.

**BEDDING DETAIL - CLASS 'S'**



**DESIGN D3 (UNDER VERGES - <900 COVER)**  
**DESIGN D4 (UNDER CARRIAGEWAYS - <1200 COVER)**  
**BEDDING DETAIL - CLASS 'Z'**



| NOMINAL DIAMETER (mm) | MAXIMUM EFFECTIVE LENGTH (m) |
|-----------------------|------------------------------|
| 150 - 600             | 0.6                          |
| 601 - 750             | 1.00                         |
| OVER 750              | 1.25                         |

ALL PIPES ENTERING THE BOTTOM OF THE MANHOLE TO HAVE SOFFITS LEVEL

**TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES**

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MANUAL FOR CONTRACT DOCUMENTS, VOLUME 1, SPECIFICATION FOR HIGHWAY WORKS, WSCC SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED.
  - IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
  - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
  - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES
  - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
  - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PERMISSION FROM THE ENGINEER.

FOR PLANNING PURPOSES ONLY

|                                                                                                                                                                                                                                                                                              |                                 |                       |     |     |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------|-----|-----|------|
| Rev                                                                                                                                                                                                                                                                                          | Amendments                      | Dm                    | Chk | App | Date |
|  <b>ODYSSEY</b><br>Tuscany House<br>White Hart Lane<br>Basingstoke<br>Hampshire RG21 4AF<br>Telephone: 01256 331144<br>Fax: 01256 331134<br>E: info@odysseyconsult.co.uk<br>W: www.odysseyconsult.co.uk |                                 |                       |     |     |      |
| Job Title<br><b>LAND SOUTH OF BURDELL ROAD, YAPTON</b>                                                                                                                                                                                                                                       |                                 |                       |     |     |      |
| Drawing Title<br><b>ADOPTABLE DRAINAGE CONSTRUCTION DETAILS 1 OF 2</b>                                                                                                                                                                                                                       |                                 |                       |     |     |      |
| Client<br><b>BOVIS HOMES</b>                                                                                                                                                                                                                                                                 |                                 |                       |     |     |      |
| Scale<br><b>NTS @ A1</b>                                                                                                                                                                                                                                                                     | Date<br><b>APR 19</b>           | Designed<br><b>SG</b> |     |     |      |
| Drawn<br><b>TSB</b>                                                                                                                                                                                                                                                                          | Checked<br><b>SG</b>            | Approved<br><b>LH</b> |     |     |      |
| Job No<br><b>18-070</b>                                                                                                                                                                                                                                                                      | Drawing No<br><b>18-070/108</b> | Rev                   |     |     |      |