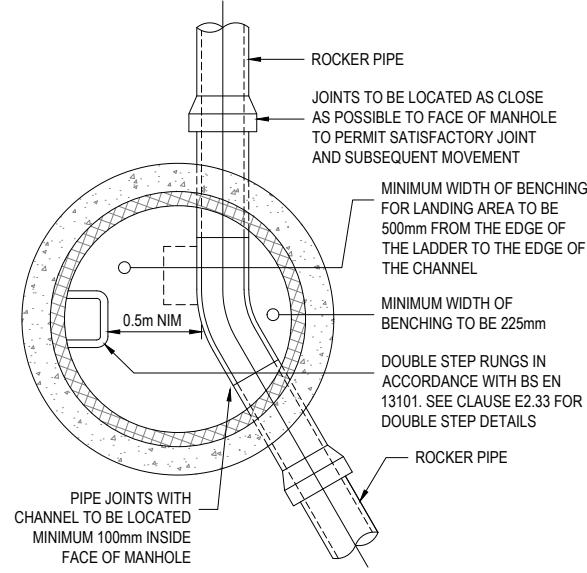


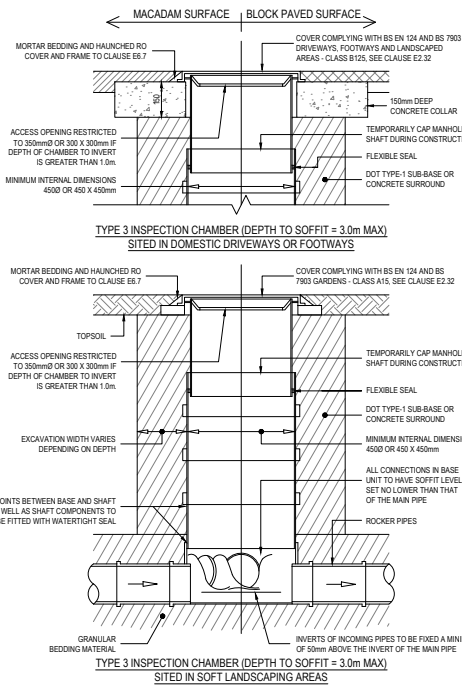
TYPE 2 MANHOLE - SECTION DETAIL



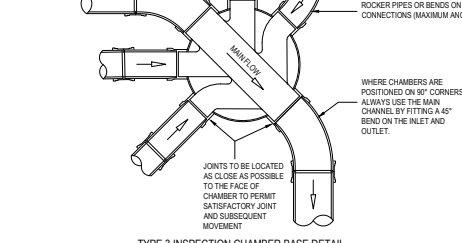
TYPE 2 MANHOLE - PLAN DETAIL

TYPE 2 - P.C.C RING MANHOLE CONSTRUCTION DETAIL (DEPTH TO SOFFIT = 3.0m MAX)

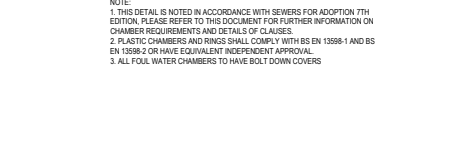
- NOTES:
1. THIS DETAIL IS NOTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION. PLEASE REFER TO THIS DOCUMENT FOR FURTHER INFORMATION ON MANHOLE REQUIREMENTS AND DETAILS OF CLAUSES.
  2. MANHOLE OPENING TO BE LOCATED CENTRALLY OVER A 900mm SHAFT AND OFFSET APPROXIMATELY 200mm FOR A 1200mm DIAMETER SHAFT WITH LADDER.
  3. ALL FOUL WATER CHAMBERS TO HAVE BOLT DOWN COVERS



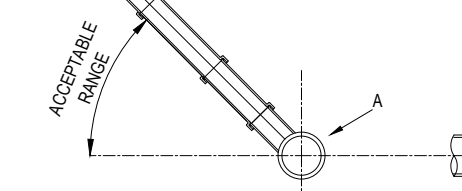
TYPE 3 INSPECTION CHAMBER (DEPTH TO SOFFIT = 3.0m MAX) SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS



TYPE 3 INSPECTION CHAMBER (DEPTH TO SOFFIT = 3.0m MAX) SITED IN SOFT LANDSCAPING AREAS



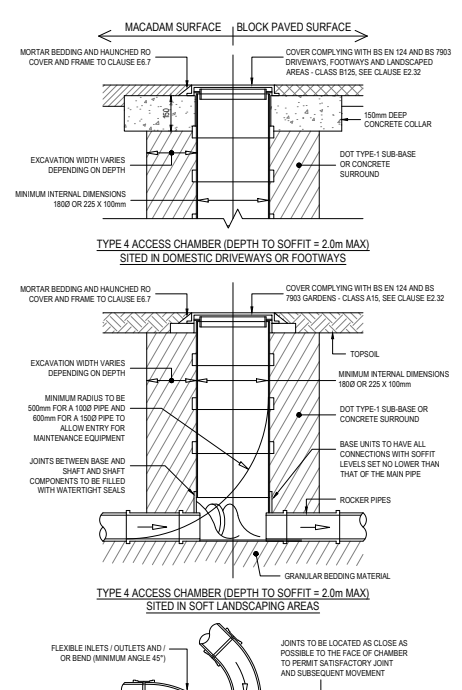
ADOPTABLE INSPECTION CHAMBER CONSTRUCTION DETAIL TYPE 3 - FLEXIBLE (DEPTH TO SOFFIT = 3.0m MAX)



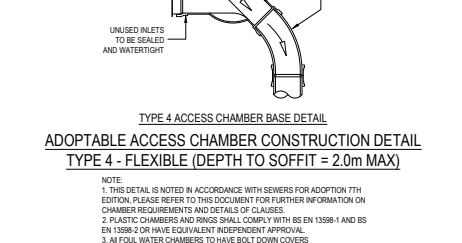
CROSS-SECTIONAL VIEW OF SWEPT BEND SEWER CONNECTION

- NOTES:
1. ACCEPTABLE RANGE 0-60° IN ACCORDANCE WITH SEWERS FOR ADOPTION, 7TH EDITION, FIGURE B.25.

SWEPT BEND SEWER CONNECTION



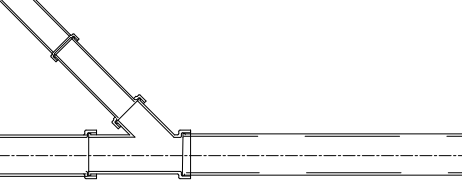
TYPE 4 ACCESS CHAMBER (DEPTH TO SOFFIT = 2.0m MAX) SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS



TYPE 4 ACCESS CHAMBER (DEPTH TO SOFFIT = 2.0m MAX) SITED IN SOFT LANDSCAPING AREAS



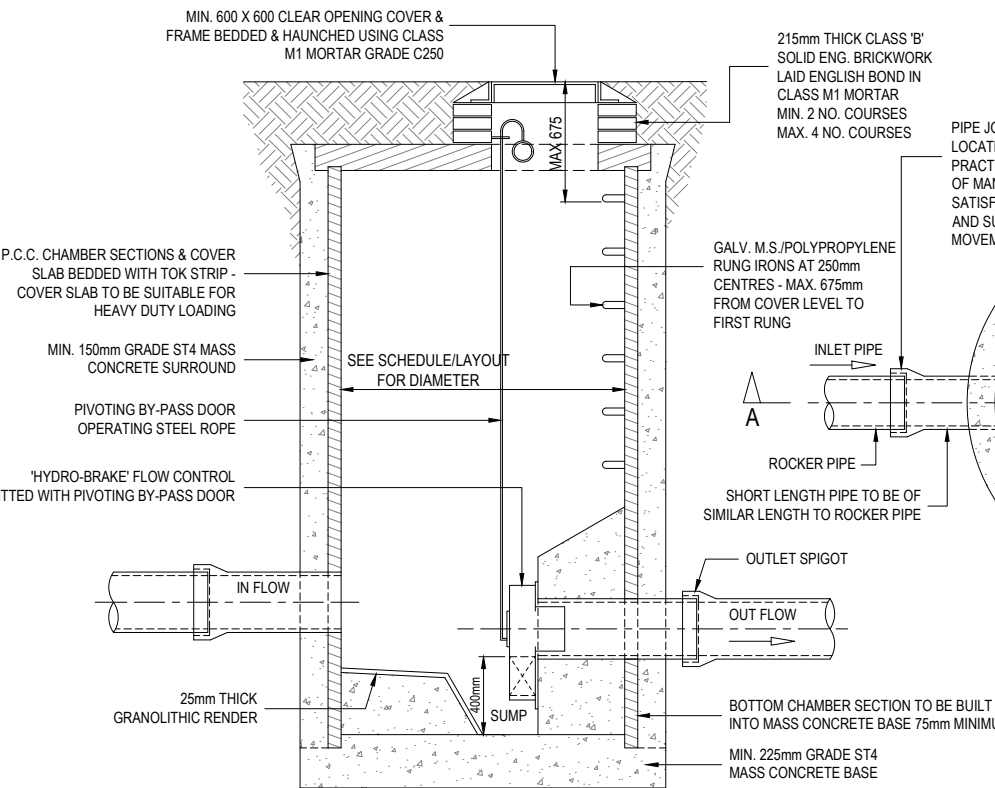
ADOPTABLE ACCESS CHAMBER CONSTRUCTION DETAIL TYPE 4 - FLEXIBLE (DEPTH TO SOFFIT = 2.0m MAX)



PLAN VIEWED IN DIRECTION OF ARROW - A

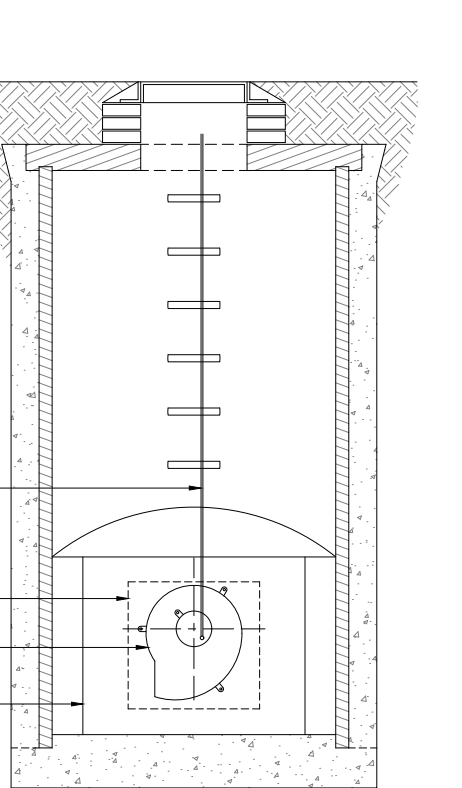
- NOTES:
1. THIS DETAIL IS NOTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION. PLEASE REFER TO THIS DOCUMENT FOR FURTHER INFORMATION ON CHAMBER REQUIREMENTS AND DETAILS OF CLAUSES.
  2. PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13398-1 AND BS EN 13398-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL.
  3. ALL FOUL WATER CHAMBERS TO HAVE BOLT DOWN COVERS.

SWEPT BEND SEWER CONNECTION

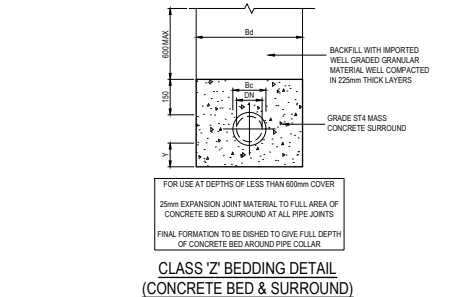


HYDROBRAKE MANHOLE SECTION A-A

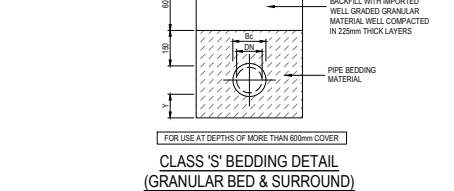
HYDROBRAKE MANHOLE CONSTRUCTION DETAIL



HYDROBRAKE MANHOLE SECTION B-B



CLASS 'Z' BEDDING DETAIL (CONCRETE BED & SURROUND)



CLASS 'S' BEDDING DETAIL (GRANULAR BED & SURROUND)

| NOMINAL MAXIMUM AGGREGATE SIZE (mm) |                    |                 |                    |
|-------------------------------------|--------------------|-----------------|--------------------|
| B.S. 882 GRADING                    |                    |                 |                    |
| PIPE BORE (mm)                      | AGGREGATE          | BEDDING CLASS B |                    |
| 100                                 | Single size graded | 10              | -                  |
| 150                                 | Single size graded | 10 or 14        | 14 to 5            |
| 225                                 | Single size graded | 10, 14 or 20    | 14 to 5 or 20 to 5 |
| 300                                 | Single size graded | 10, 14 or 20    | 14 to 5 or 20 to 5 |

| NOMINAL INTERNAL Ø DN (mm) | ASSUMED EXTERNAL Ø Bc (mm) | ASSUMED MAX. PERMISSIBLE TRENCH WIDTH Bd (mm) | Y (mm) |
|----------------------------|----------------------------|---|--------|
| 100                        | 130                        | 550   | 100    |
| 150                        | 190                        | 600   | 100    |
| 225                        | 280                        | 700   | 100    |
| 300                        | 388                        | 750   | 125    |

PIPE BEDDING TABLES

NOT FOR CONSTRUCTION

- NOTES
1. This drawing is to be read in conjunction with all relevant architects, engineers and specialist sub-contractors drawings and specifications.
  2. All setting out to be in accordance with the Architects drawings. dimensions must not be scaled from the drawing.
  3. All foul water chambers to have bolt down covers

Scale: N.T.S. Drawn: JLB Checked: LJW  
 Project-Originator: 20m Level-Type-Rate Drawing No.: Revision:  
 23235-GAP-XX-XX-DR-C- 9300 P01

Client: Brooklands Homes  
 Project: Solstrand, Station Rd, Bagshot  
 Drawing Title: Drainage Construction Details 1 of 2  
 Scale: N.T.S. Drawn: JLB Checked: LJW  
 Project-Originator: 20m Level-Type-Rate Drawing No.: Revision:  
 23235-GAP-XX-XX-DR-C- 9300 P01