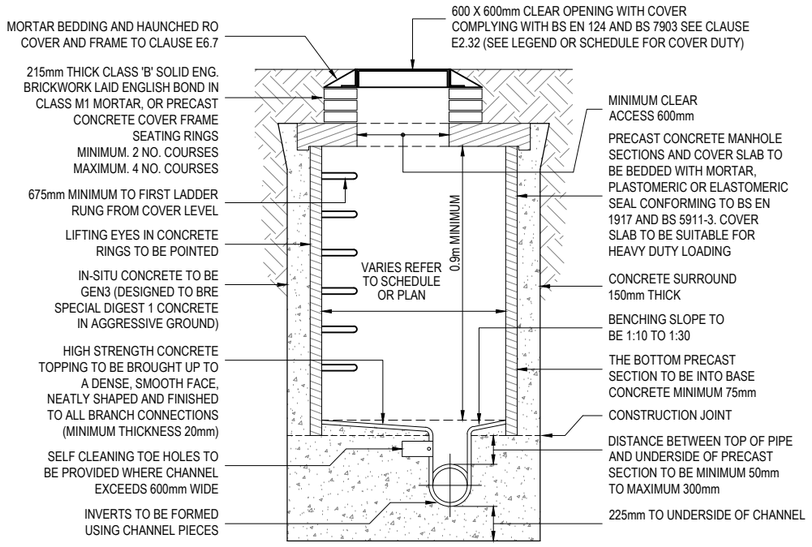
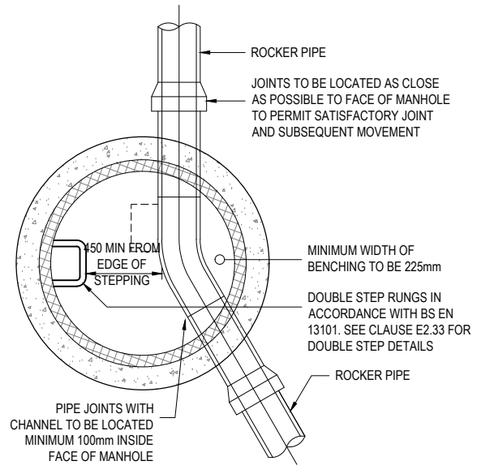


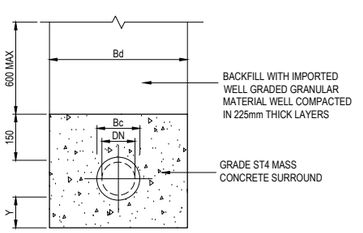

TYPE B CHAMBER - SECTION DETAIL




TYPE B CHAMBER - PLAN DETAIL

# TYPE B - CHAMBER CONSTRUCTION DETAIL (DEPTH TO SOFFIT = 3.0m MAX)

NOTES:
1. THIS DETAIL IS NOTED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE, 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.

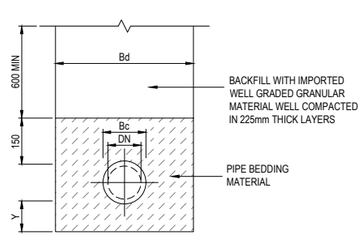



FOR USE AT DEPTHS OF LESS THAN 600mm COVER

25mm EXPANSION JOINT MATERIAL TO FULL AREA OF CONCRETE BED & SURROUND AT ALL PIPE JOINTS

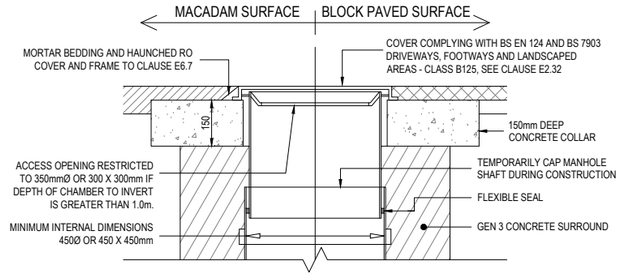
FINAL FORMATION TO BE DISHED TO GIVE FULL DEPTH OF CONCRETE BED AROUND PIPE COLLAR

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

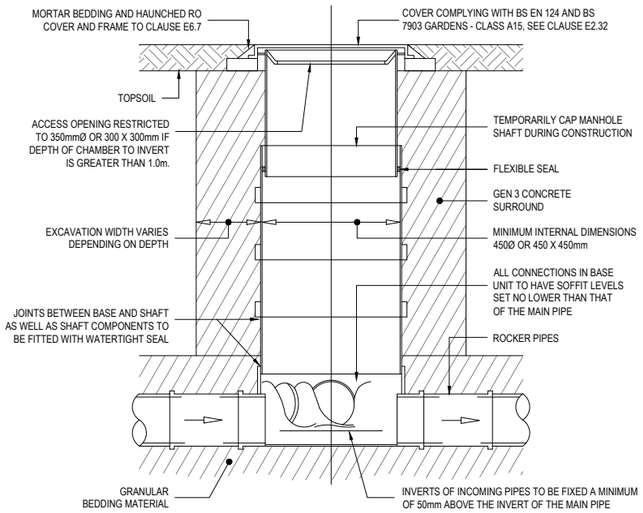



FOR USE AT DEPTHS OF MORE THAN 600mm COVER

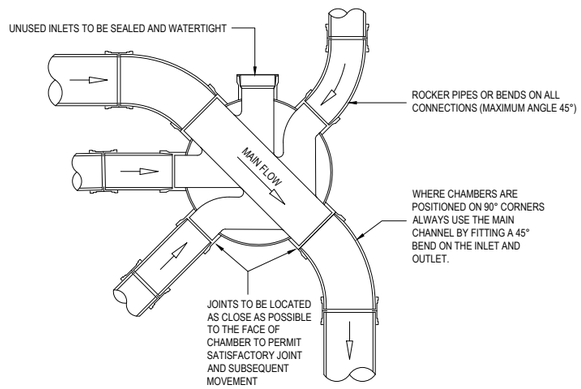
CLASS 'S' BEDDING DETAIL (GRANULAR BED & SURROUND)




TYPE D 450Ø CHAMBER (DEPTH TO SOFFIT = 3.0m MAX) SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS




TYPE D 450Ø CHAMBER (DEPTH TO SOFFIT = 3.0m MAX) SITED IN SOFT LANDSCAPING AREAS




TYPE D 450Ø CHAMBER BASE DETAIL

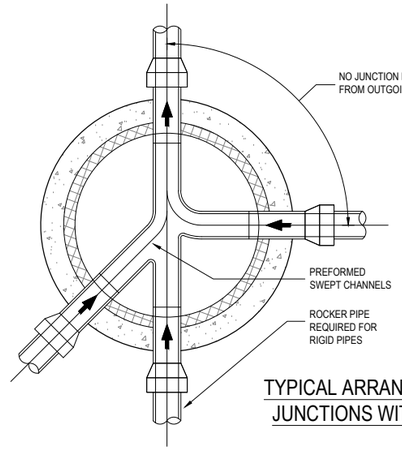
# TYPE D 450Ø CHAMBER (DEPTH TO SOFFIT = 3.0m MAX)

NOTE:
1. THIS DETAIL IS NOTED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE.
2. PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL.

| NOMINAL MAXIMUM AGGREGATE SIZE (mm) B.S. 882 GRADING | | |
|---|---|---|
| PIPE BORE (mm) | AGGREGATE | BEDDING CLASS S 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

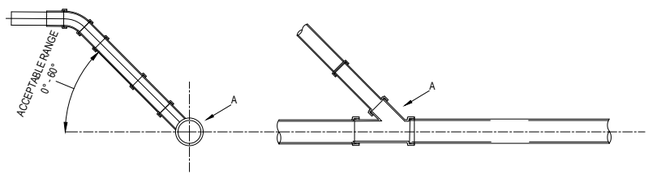



| NOMINAL PIPE DIAMETER (mm) | EFFICTIVE LENGTH OF ROCKER PIPE (mm) |
|---|---|
| 150 - 600 | 600 |
| 601 - 750 | 1000 |
| Over 750 | 1250 |

RIGID PIPES BUILT INTO MANHOLE SHOULD HAVE A FLEXIBLE JOINT AS CLOSE AS FEASIBLE TO THE EXTERNAL FACE OF THE STRUCTURE AND THE LENGTH OF THE NEXT ROCKER PIPE SHOULD BE AS SHOWN ABOVE.

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

TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN CHAMBERS




CROSS-SECTIONAL VIEW OF SWEPT BEND SEWER CONNECTION

PLAN VIEWED IN DIRECTION OF ARROW - A

SWEPT BEND SEWER CONNECTION

NOTES:
1. THIS DETAIL IS NOTED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE EDITION, PLEASE REFER TO THIS DOCUMENT FOR FURTHER INFORMATION ON MANHOLE REQUIREMENTS AND DETAILS OF CLAUSES.
2. WHERE THE CONNECTION IS BEING MADE TO A SEWER WITH A NOMINAL INTERNAL DIAMETER OF 300 MM OR LESS, CONNECTIONS SHOULD BE MADE USING 45° ANGLE, OR 90° ANGLE CURVED SQUARE JUNCTIONS.
3. CONNECTIONS MADE WITH JUNCTION FITTINGS SHOULD BE MADE BY CUTTING THE EXISTING PIPE, INSERTING THE JUNCTION FITTING AND JOINTING WITH FLEXIBLE REPAIR COUPLINGS OR SLIP COUPLERS.
4. WHERE THE CONNECTION IS BEING MADE TO A SEWER WITH A NOMINAL INTERNAL DIAMETER GREATER THAN 300 MM:
   a) WHERE THE DIAMETER OF THE CONNECTING PIPE IS GREATER THAN HALF THE DIAMETER OF THE SEWER, THE CONNECTION OF AN ACCESS POINT SHOULD BE CONSTRUCTED; OR
   b) WHERE THE DIAMETER OF THE CONNECTING PIPE IS LESS THAN OR EQUAL TO HALF THE DIAMETER OF THE SEWER, THEN THE CONNECTION SHOULD BE MADE USING A PREFORMED SADDLE FITTING.
5. CONNECTIONS MADE WITH SADDLE FITTINGS SHOULD BE MADE BY CUTTING AND SAFELY REMOVING A CORE FROM THE PIPE AND JOINTING THE SADDLE FITTING TO THE PIPE, IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, TO ENSURE A WATERTIGHT JOINT. THE CONNECTING PIPE SHOULD NOT PROTRUDE INTO THE SEWER

NOT FOR CONSTRUCTION

General Notes

1. These drawings are to be read in conjunction with all relevant Architect's and Engineer's drawings and specifications, refer to Drg. No.00 for Structural Specification
2. Except where specific dimensions are shown on these drawings, all setting out shall be in accordance with the architects drawings and specifications. Any discrepancy between these drawings and the architects drawings or the actual site dimensions should be referred to the engineer immediately and confirmed in writing. The contractor is responsible for the accuracy of all dimensions and the setting out.
3. Do not scale from these drawings. If in doubt, ask.
4. All dimensions are in millimetres unless noted otherwise.
5. All proprietary materials to be in accordance with manufacturers specifications and to Engineer's approval.
6. All proprietary CDP elements shown on the drawings should be treated as indicative and are subject to detailed design by specialist manufacturer/supplier. The contractor should make suitable allowance for third party design/detailing and potential impact on the permanent work design.

| Rev | Date | Revision Description | Issued by |
|---|---|---|---|
| P01 | 11.08.25 | Preliminary Issue | JLB |

Drawing Status: S4 - Suitable for Approval

GODSELL • ARNOLD PARTNERSHIP LTD
Consulting Civil and Structural Engineers
7 Arrowsmith Court, Station Approach
Broadstone, Dorset. BH18 8AX
Telephone: 01202 600 900 Website: www.gapltd.net

Client: Chickerell Town Council

Project: Chickerell Town Hall

Drawing Title: Construction Details Drainage Sheet 1 of 3

Scale: N.T.S Drawn: JLB Checked:

Project-Originator-Zone-Level-Type-Role: 25039-GAP-XX-XX-DR-C Drawing No.: 9300 Revision: P01