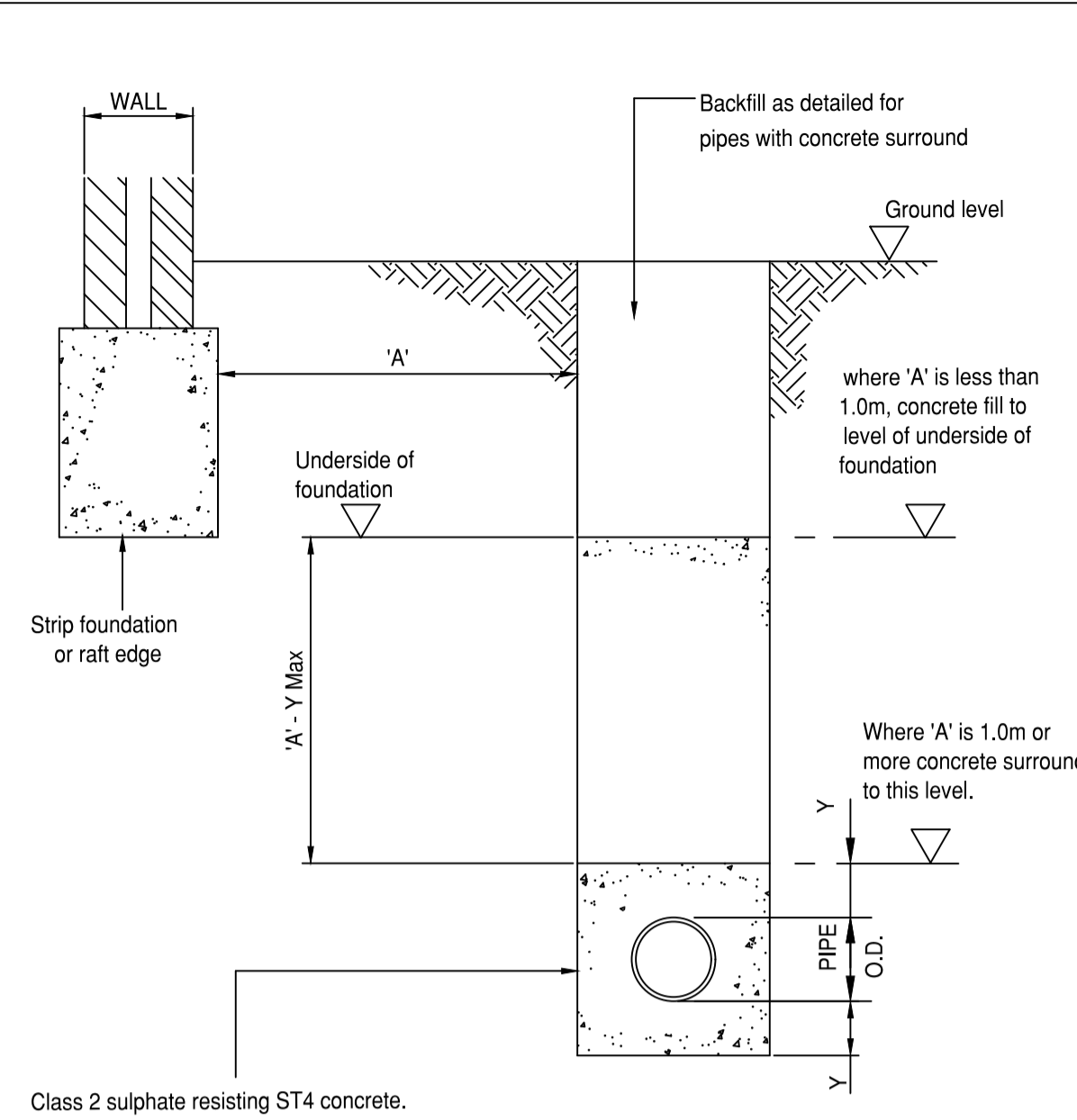


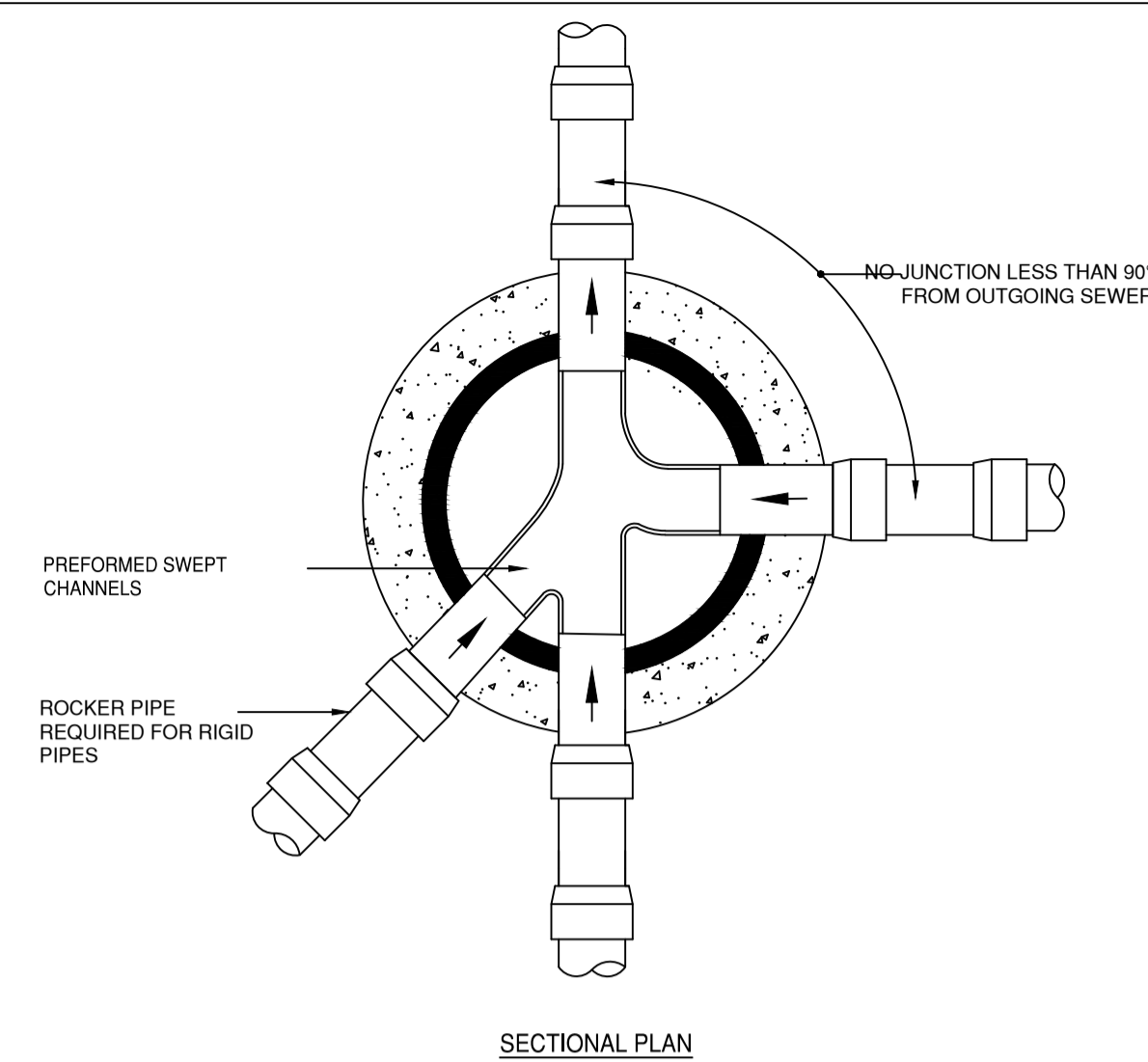
Polypropylene Manhole

Scale 1:20
DEPTH FROM GROUND LEVEL TO INVERT OF PIPE UP TO 985mm



Pipe Runs Near Buildings

Scale 1:20

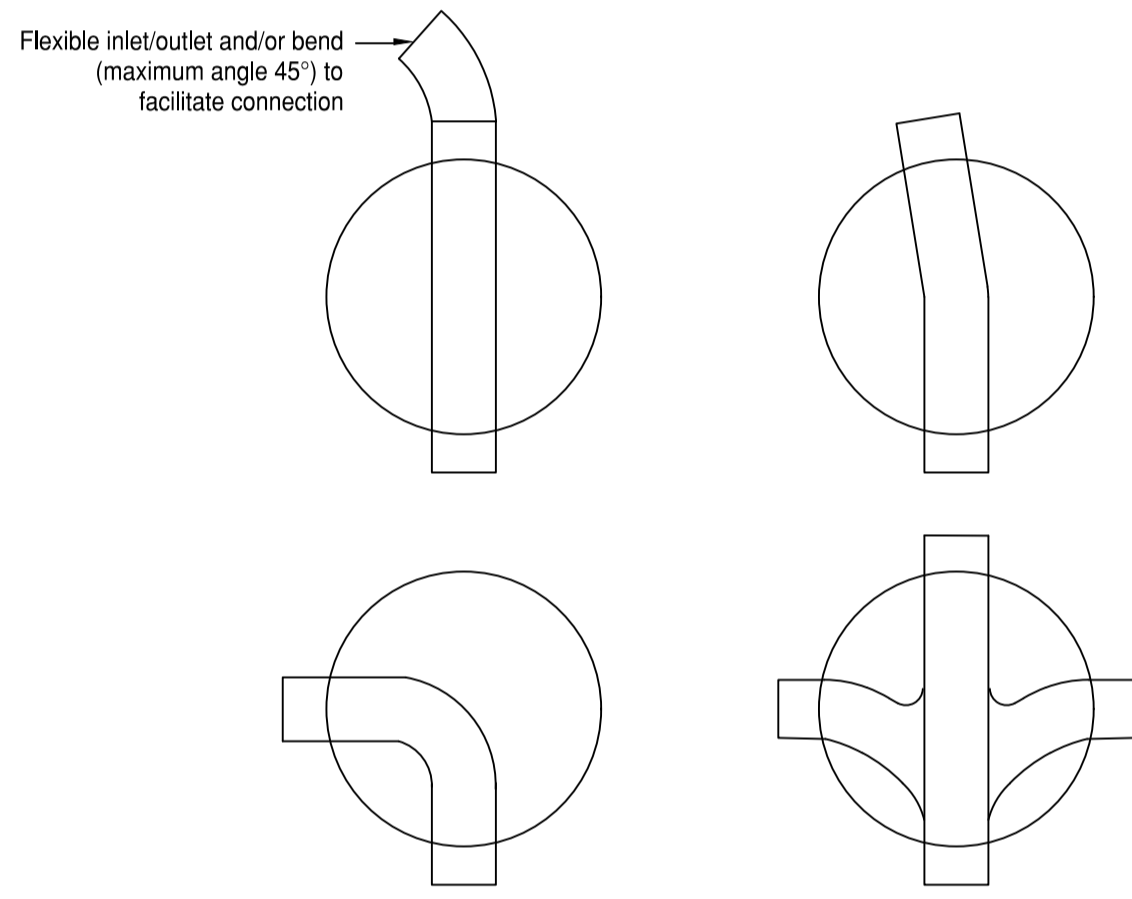


SECTIONAL PLAN

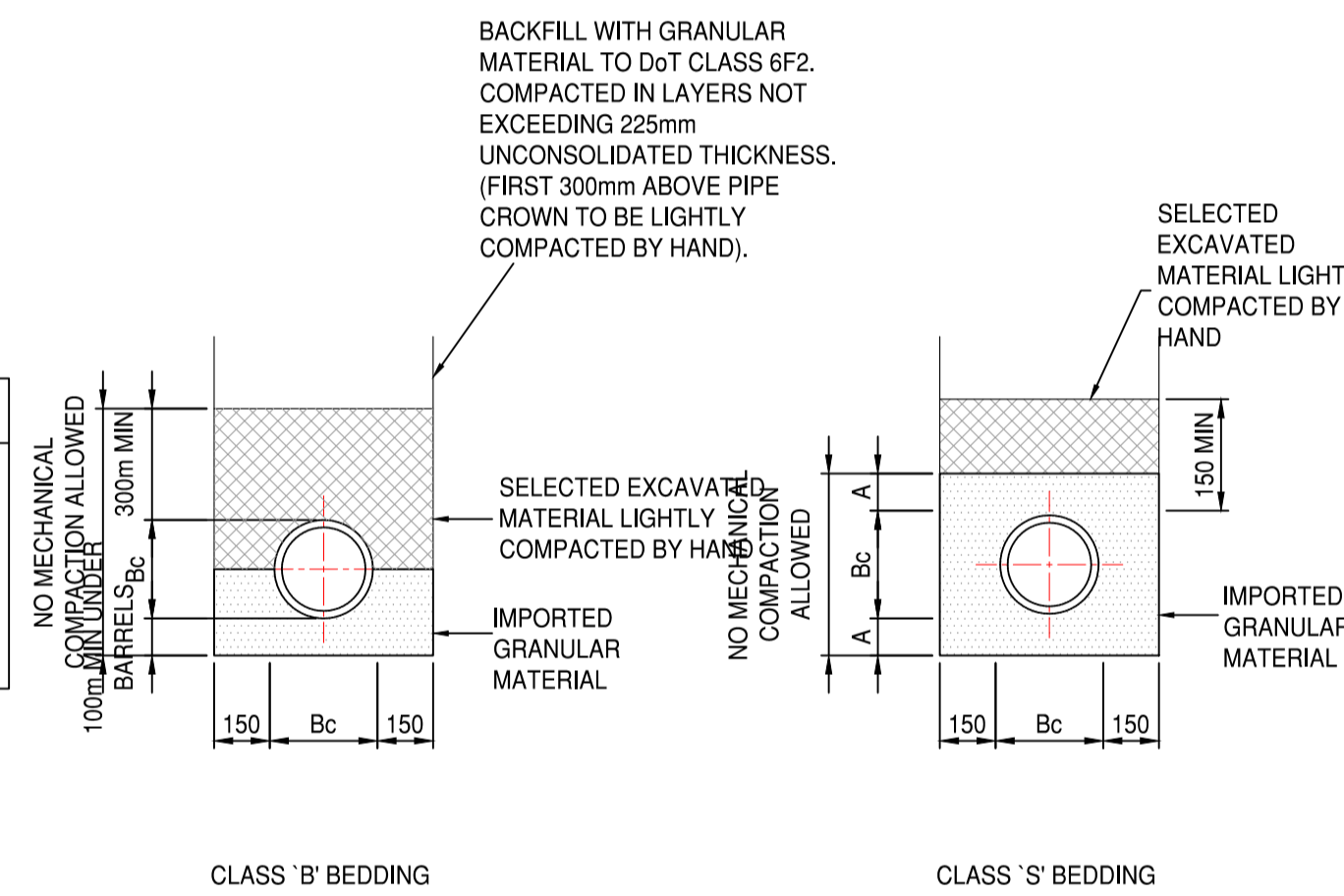
RIGID PIPES BUILT INTO MANHOLE SHOULD HAVE A FLEXIBLE JOINT AS CLOSE AS FEASIBLE TO THE EXTERNAL FACE OF THE STRUCTURE AND THE LENGTH OF THE NEXT ROCKER PIPE SHOULD BE AS SHOWN.

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.

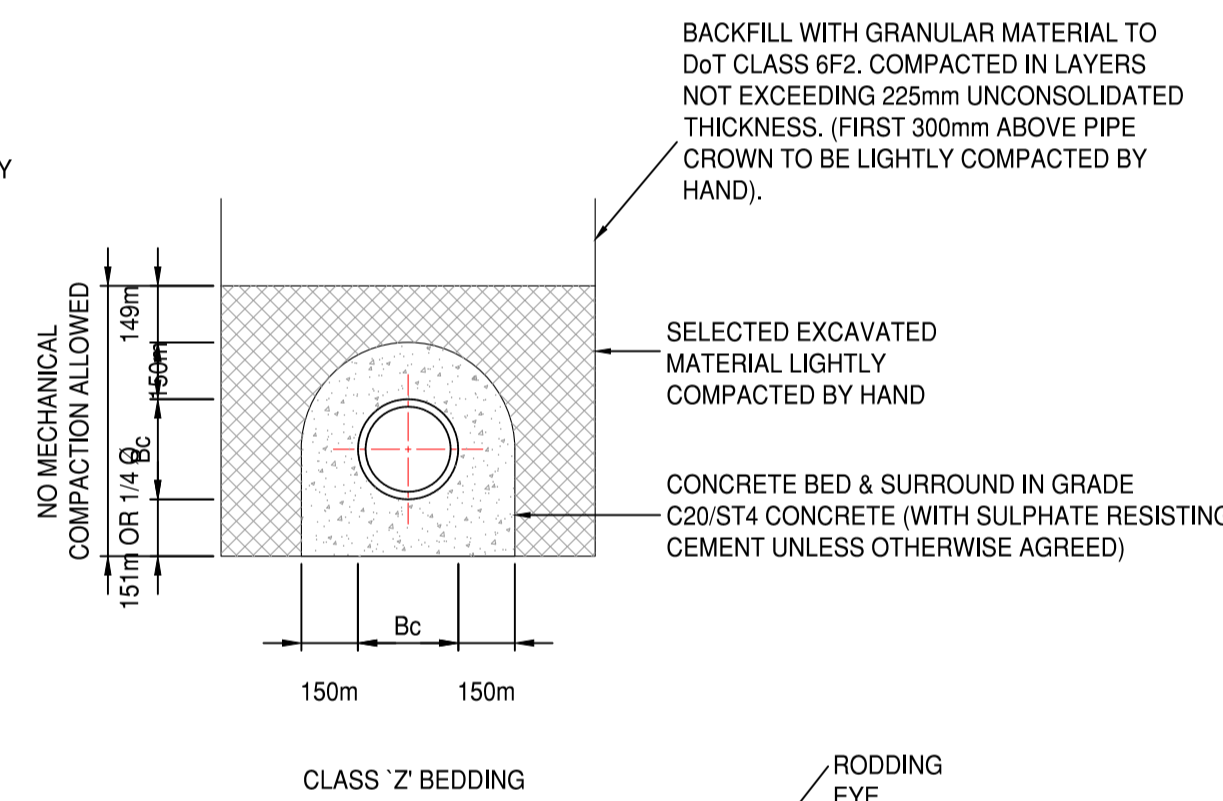


DIMENSION 'A'	
MACHINE DUG UNIFORM SOILS	100mm OR 1/6 Bc WHICHEVER IS GREATER (UNDER BARRELS)
ROCK OR MIXED SOILS	200mm OR 1/4 Bc WHICHEVER IS GREATER (UNDER BARRELS)

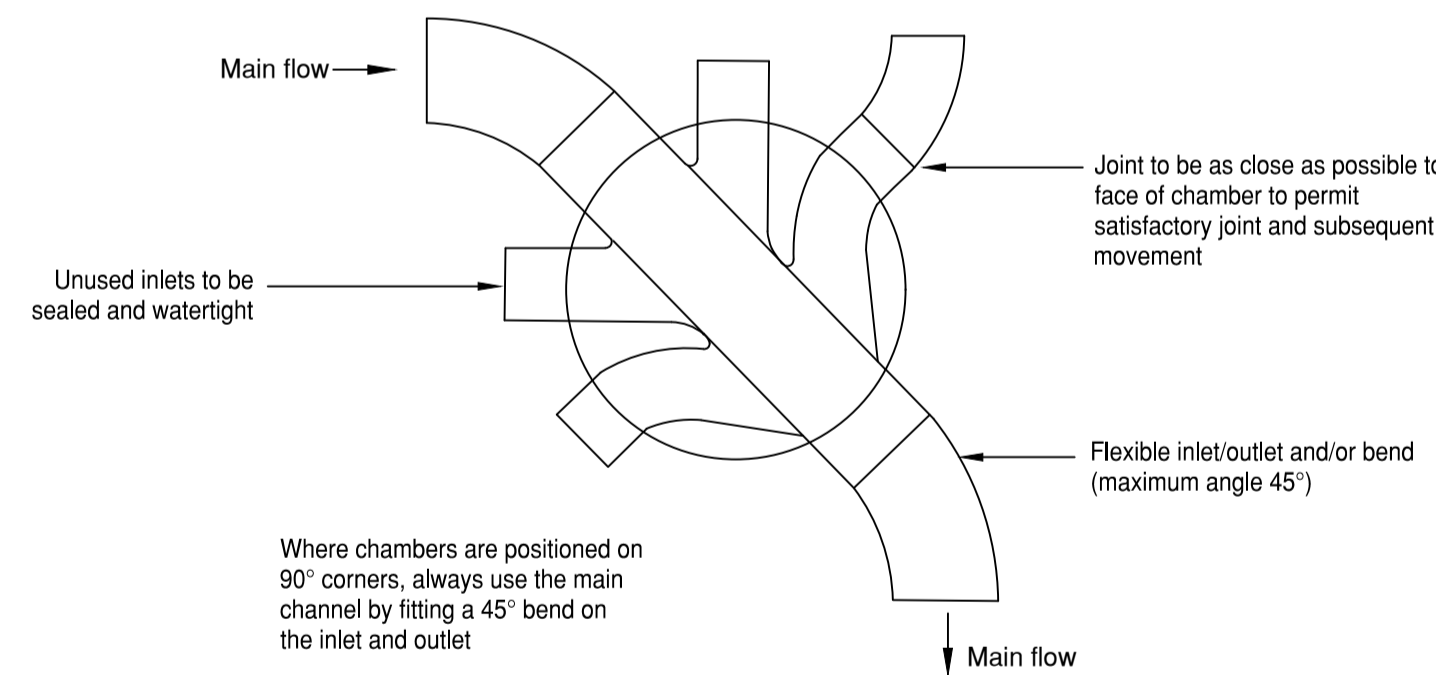


Typical Sewer Bedding Details

Scale 1:20

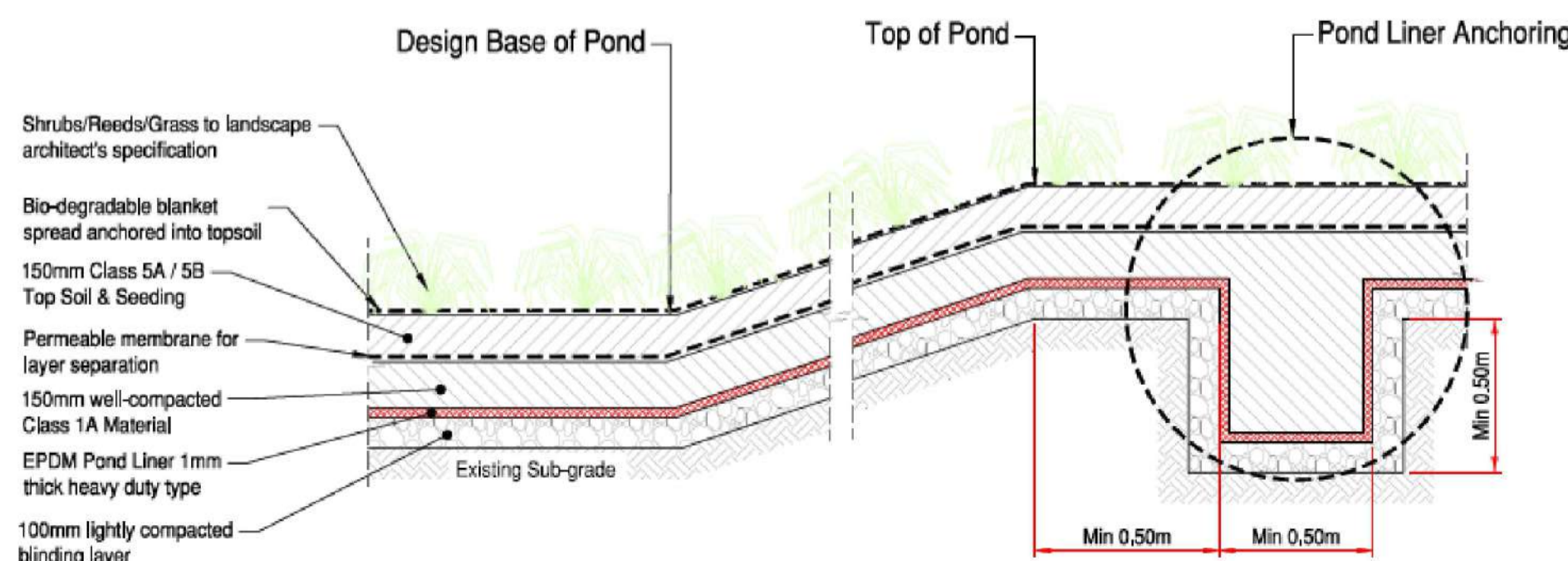


Typical Arrangement of Pipe Junctions within Manholes



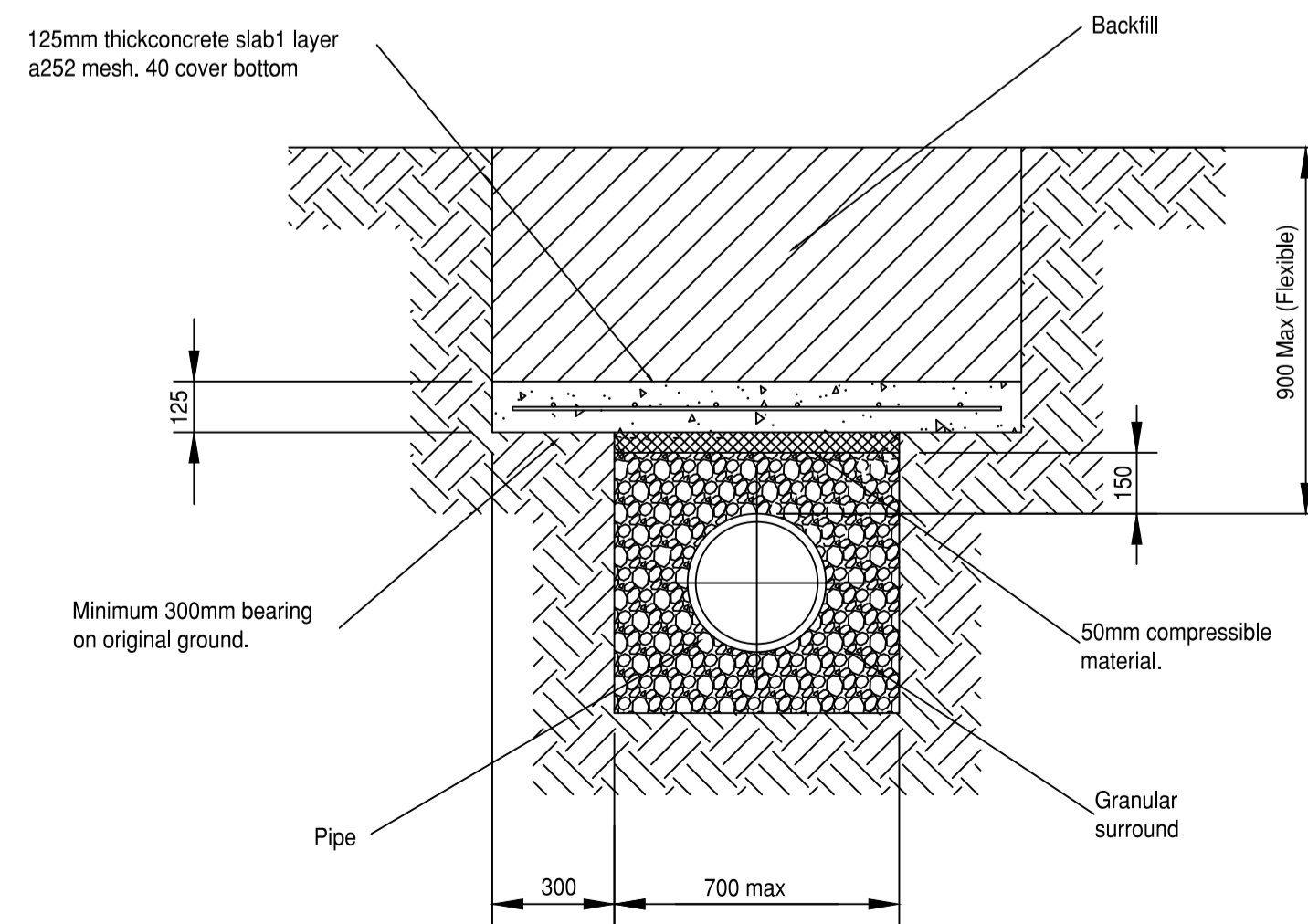
Where chambers are positioned on 90° corners, always use the main channel by fitting a 45° bend on the inlet and outlet

Note: Where a bend is used immediately outside the manhole, this may be used as the rocker pipe



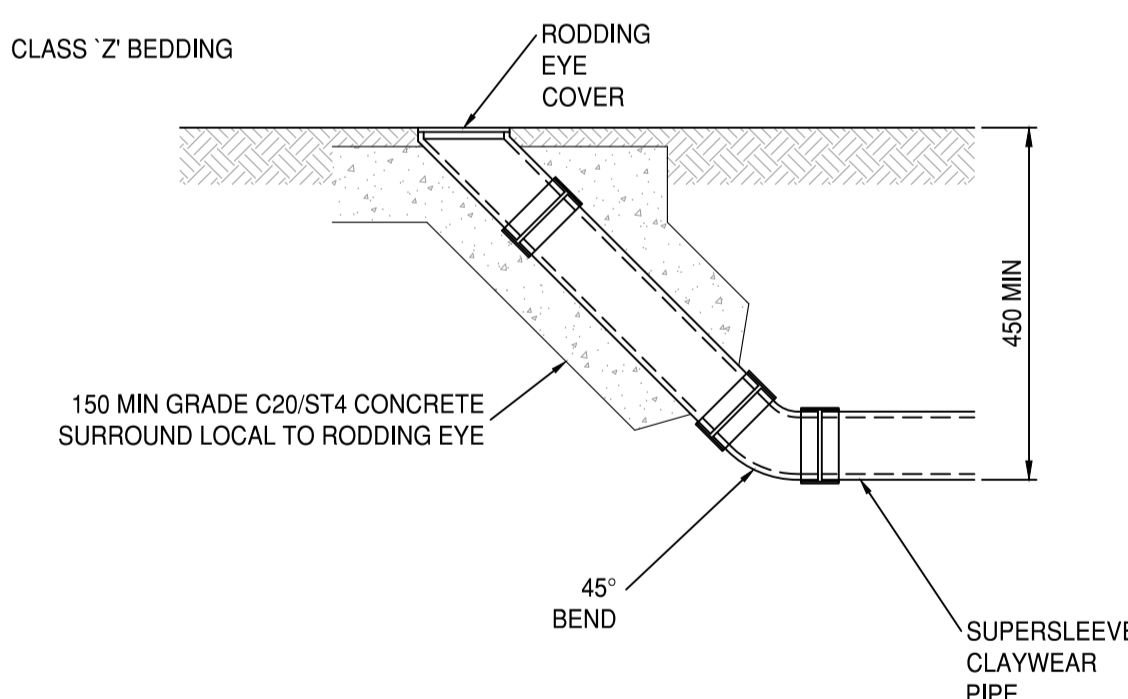
Pond/Swale Construction Build Up (to be confirmed by Landscape Architects)

NTS



Protection for Pipes Laid at Shallow Depths

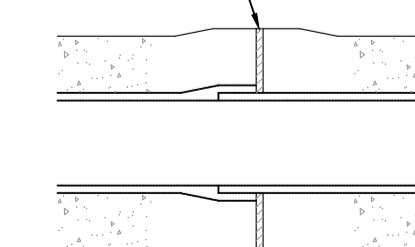
Scale 1:20



Rodding Eye Detail

NOMINAL BORE OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450 - 1200	36
EXCEEDING 1200	54

COMPRESSIBLE FILLER BOARD (BITUMEN IMPREGNATED INSULATING BOARD TO BS:1142 Pt 3) SEE TABLE FOR THICKNESSES.



Typical Pipe Joint Detail (Bedding Class Z)

Scale 1:20

Safety, Health & Environmental Information:

In addition to the hazards and risks normally associated with the types of work detailed on this drawing, please note the significant hazards identified by symbols below.

INDICATES A RESIDUAL RISK AS A WARNING

INDICATES A RESIDUAL RISK FOR INFORMATION

and described below:

Construction/Maintenance/Cleaning/Demolition

Refer to Drawing:

General Notes:

- Do not scale from this drawing.
- All dimensions are in millimetres (mm), all levels in metres (m) unless noted otherwise.
- Discrepancies or omissions are to be reported to the Engineer prior to work commencing.
- Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.
- The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.
- The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.
- This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.
- For drainage plans refer to drawing:
- RCF-BML-ERD-ZZ-DR-C-0550 Combined Drainage Layout

Rev	By	Chkd	Date	Description
P02	DH	AM	21/07/23	Details Updated
P01	RA	GM	13/04/23	Preliminary

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client



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Project

Cow Shed
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PR3 2NY

Drawing

Drainage Details
Sheet 1 of 2

Drawn by	RA/GM	Date	05/04/2023
Checked by	RA/GM	Date	05/04/2023

Drawing No. **CSH-BML-XX-XX-DR-C-0501** | Revision **P02**

BML Job No.

1000-05

Drawing Scale at A1: NTS

CAD Filename: