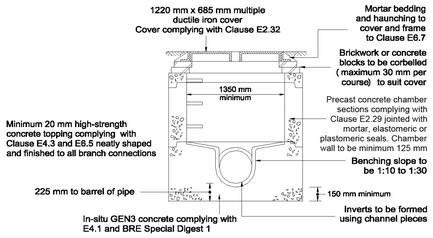
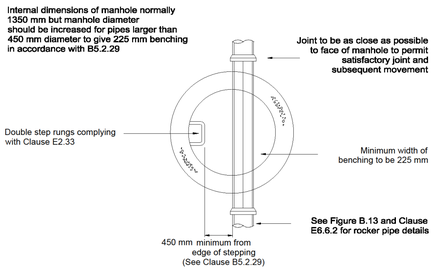
Typical manhole detail – Type C

Depth from cover level to soffit of pipe less than 1.5 m
Maximum pipe size 450 mm diameter
Rigid material construction



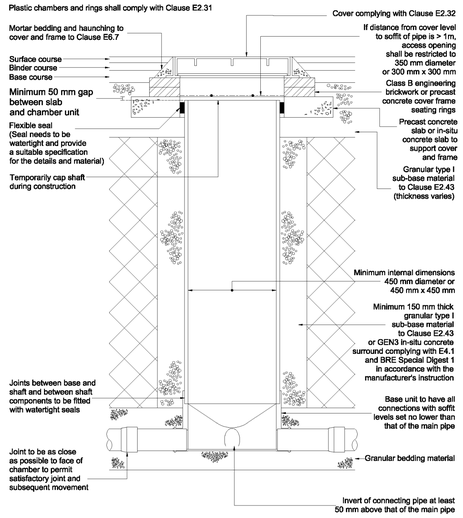


Note: The use of precast concrete chamber units to E2.29 with 150 mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

Not to scale

Typical inspection chamber detail – Type D

Depth from cover level to soffit of pipe up to 3 m
Flexible material construction for use in areas subject to vehicle loading



Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

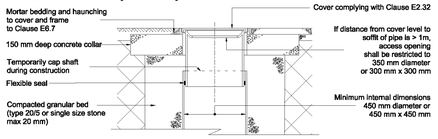
Not to scale

Typical inspection chamber detail – Type D

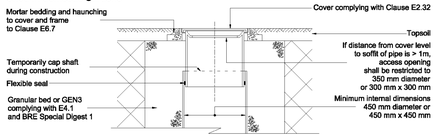
Flexible material construction alternative top details for use in areas of light vehicle loading or landscaped areas

Plastic chambers and rings shall comply with Clause E2.31

Sited in domestic driveways or footways



Sited in domestic gardens



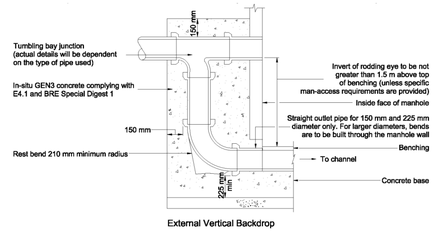
Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

Not to scale

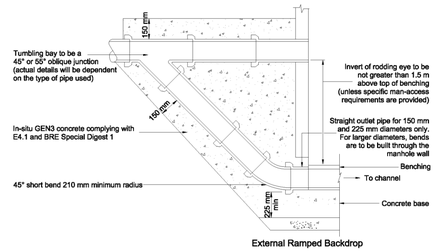
Typical vertical and ramped backdrop detail (rigid materials)

For use in manhole types A to D

Note: Steeper gradients are preferred to the use of backdrops.
Type of backdrop to be used to be agreed with the sewerage company.



External Vertical Backdrop



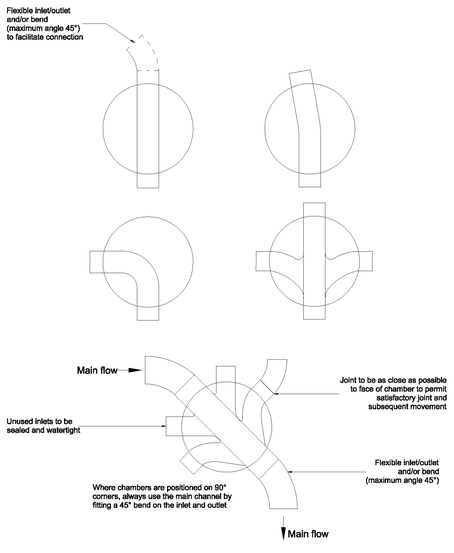
External Ramped Backdrop

Not to scale

NOTES:

1. FOR GENERAL NOTES REFER TO RENAISSANCE DRAWING STM-REN-00-FN-DR-C-01100. FOR DRAINAGE NOTES REFER TO C-03100 SERIES.
2. DO NOT SCALE FROM THIS DRAWING. ANY AMBIGUITIES OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS TO BE CHECKED/ VERIFIED ON SITE.

Typical base layouts for Type D chambers



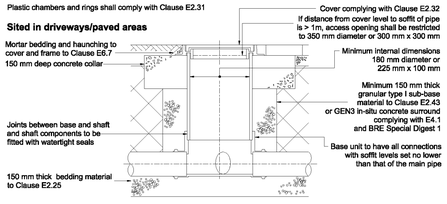
Note: Where a bend is used immediately outside the manhole, this may be used as the rocker pipe.

Typical inspection chamber detail – Type E

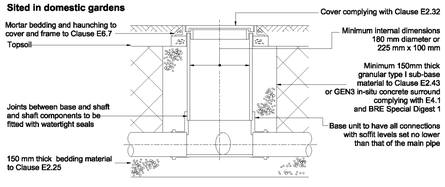
Depth from cover level to soffit of pipe up to 2 m
Flexible material construction

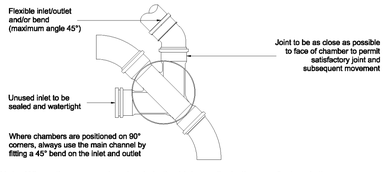
Plastic chambers and rings shall comply with Clause E2.31

Sited in driveways/paved areas

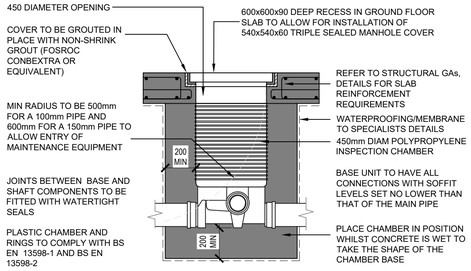


Sited in domestic gardens



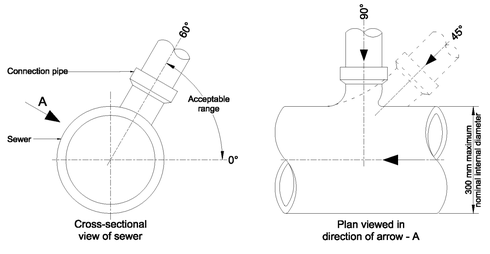


Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

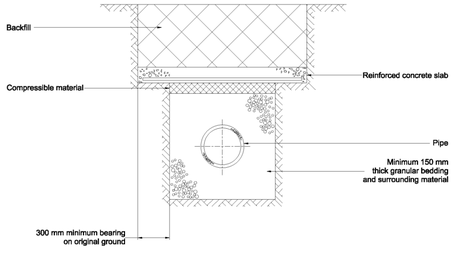


POLYPROPYLENE INSPECTION CHAMBER (WITHIN GROUND FLOOR SLAB) - MAX 2000MM DEPTH

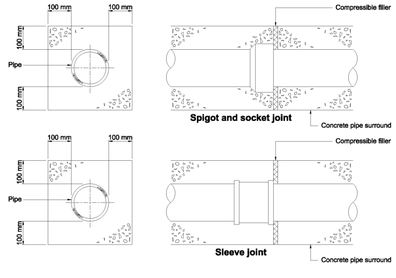
Figure B 26
Connections to sewer



Protection of pipes laid at shallow depths



Joints for encased pipes



P02	STAGE 4	14.05.24	JB	AI
P01	STAGE 3	15.02.23	HW	AI
Rev:	Description:	Date:	By:	Chkd:

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Renaissance Associates Ltd
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Project:
ST MICHAELS, MANCHESTER

Drawing Title:
BELOW GROUND DRAINAGE DETAILS SHEET 2

Status:
STAGE 4

Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	FEB 23	HW		AI

Scale: NTS | Project No: 2203-05

Project - Originator - Volume - Level - Type - Role - Number: STM-REN-00-FN-DR-C-03101 | Revision: P02

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