

FIGURE B.18
TYPICAL INSPECTION CHAMBER DETAIL – TYPE D (RIGID MATERIAL DETAIL)

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE
IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON-ENTRY
(NTS)

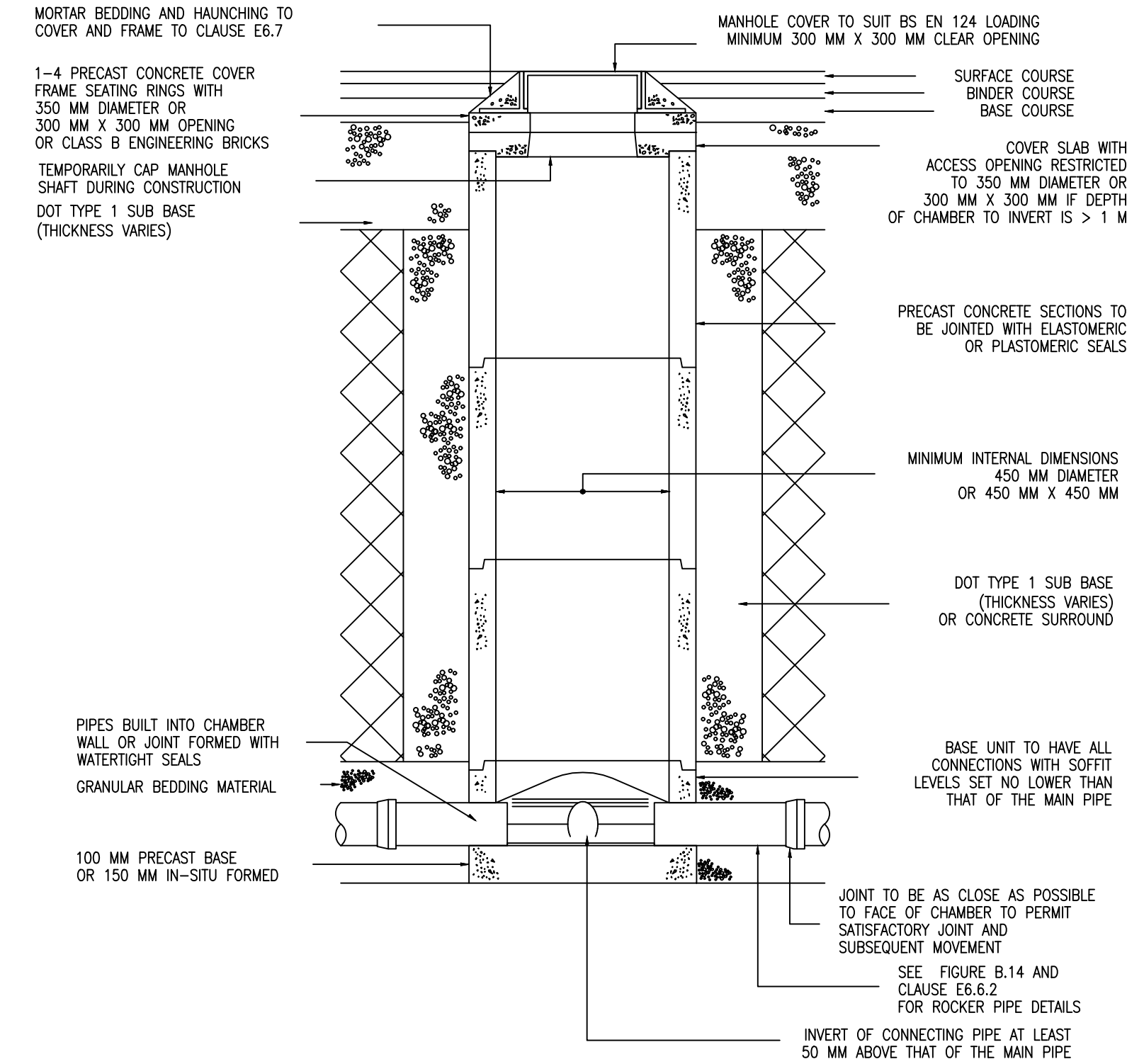
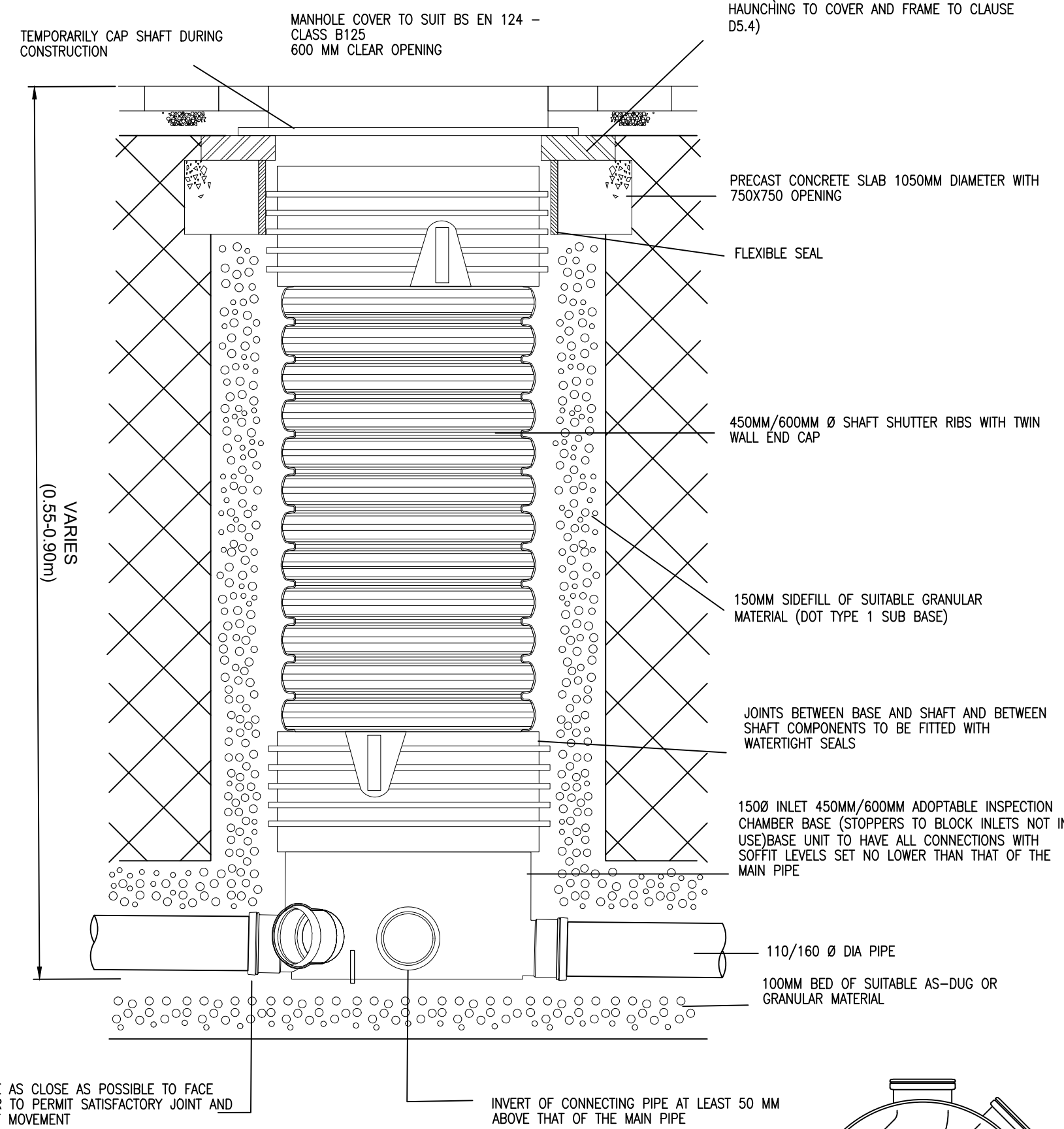
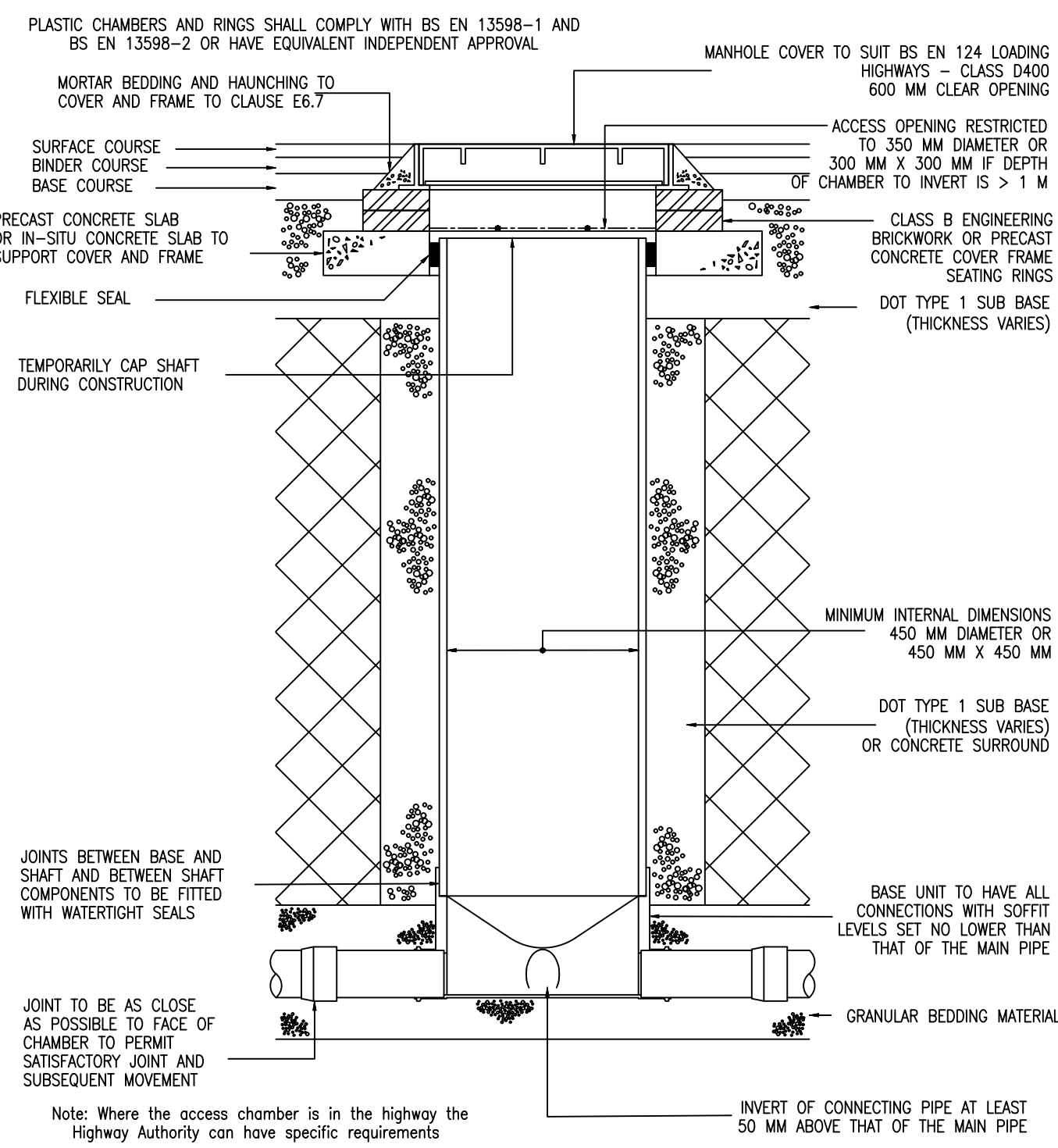


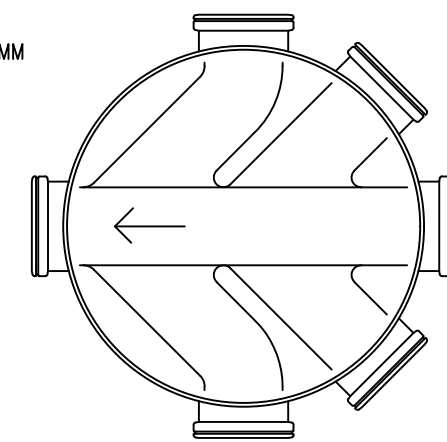
FIGURE B.16
TYPICAL INSPECTION CHAMBER DETAIL – TYPE D (FLEXIBLE MATERIAL DETAIL)

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE
IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON-ENTRY
(NTS)



PPIC INSPECTION CHAMBER
BY Wavin or similar approved
(NTS)

150Ø PIPE, 450MM/600MM Ø ADAPTABLE INSPECTION CHAMBER
BASE (STOPPERS TO BLOCK INLETS NOT IN USE) BASE UNIT TO HAVE
ALL CONNECTIONS WITH SOFFIT LEVELS SET NO LOWER THAN THAT
OF THE MAIN PIPE

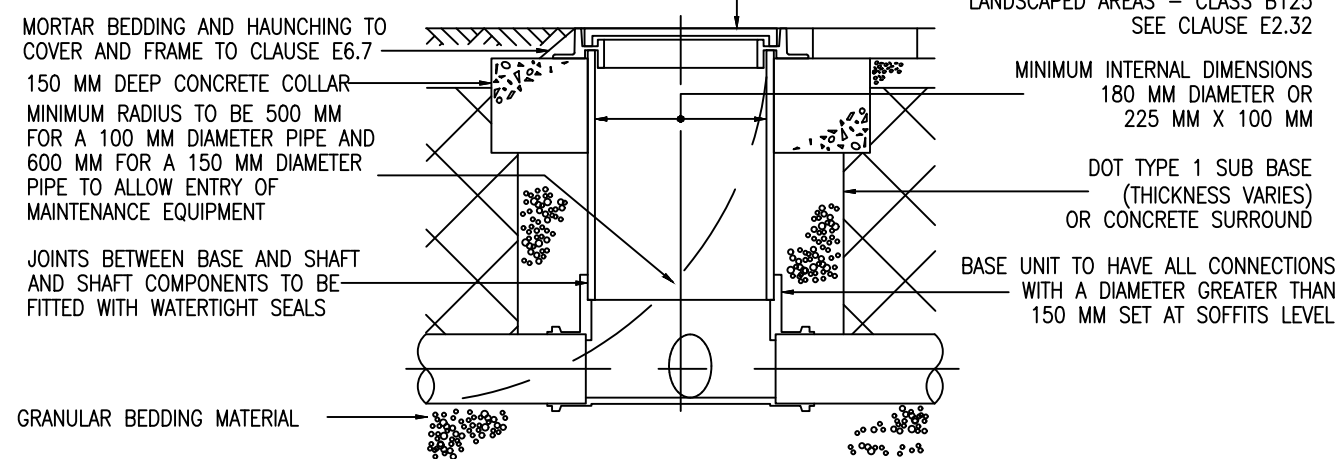


TYPICAL INSPECTION CHAMBER DETAIL
– TYPE E (Flexible material detail)

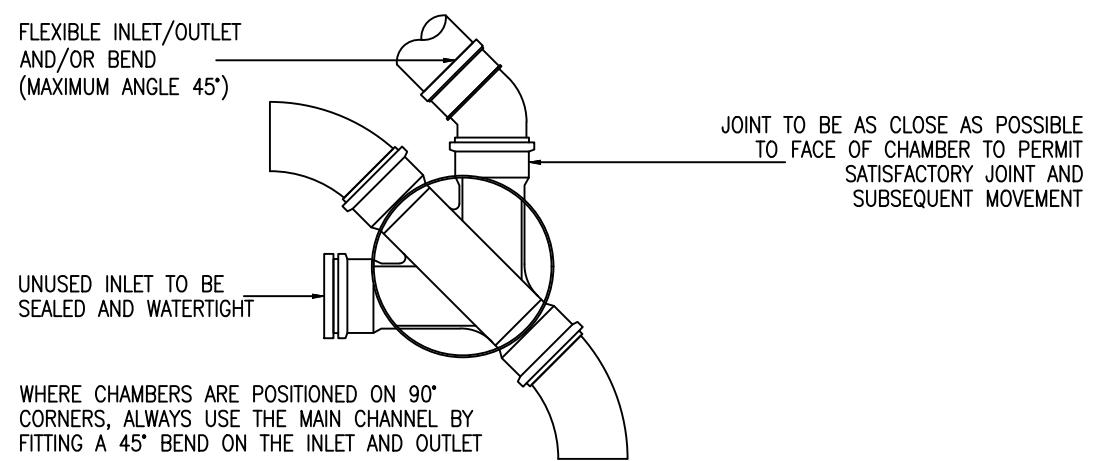
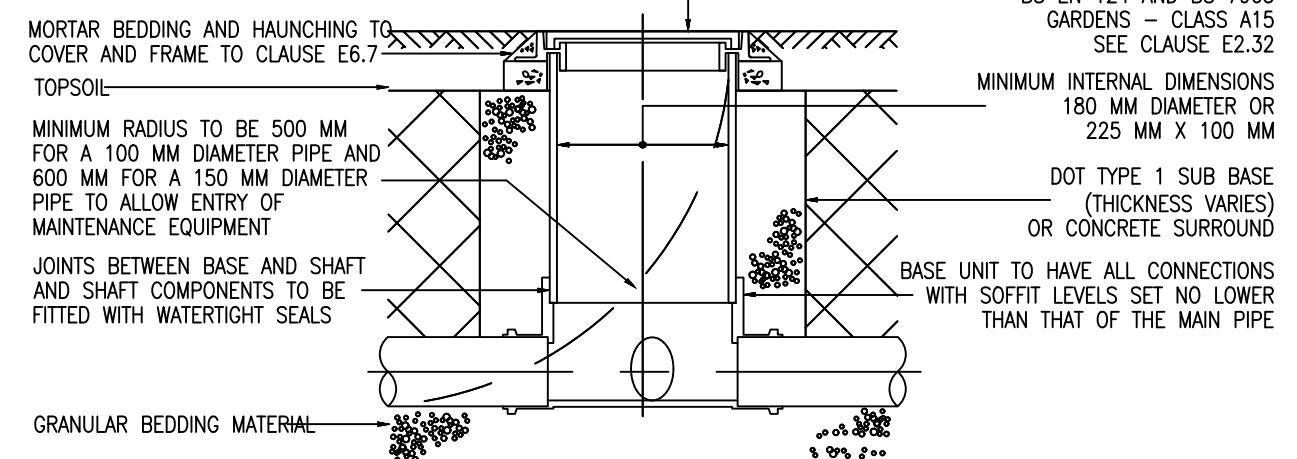
Maximum depth from cover level to soffit of pipe 2 m, non-entry

Plastic chambers and rings shall comply with BS EN 13598-1 and
BS EN 13598-2 or have equivalent independent approval

Sited in driveways/paved areas



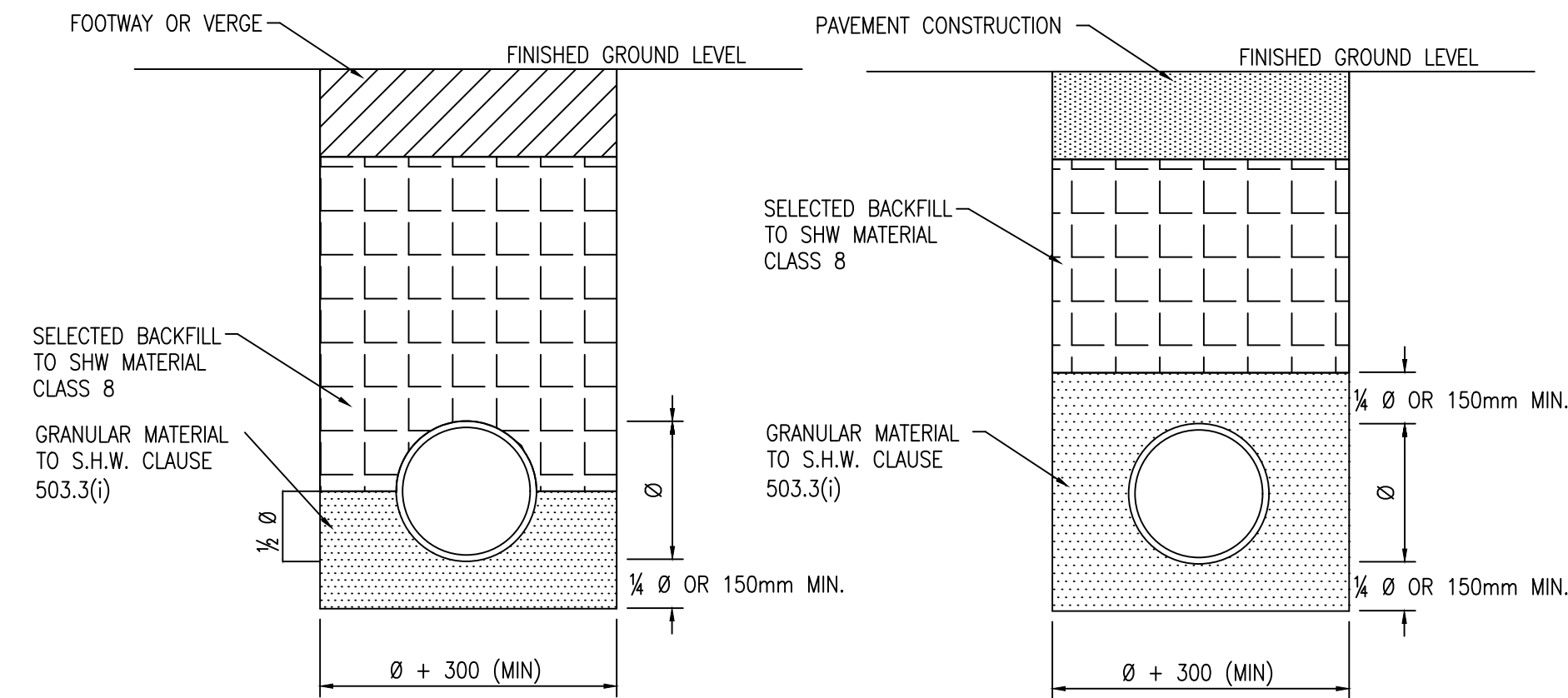
Sited in domestic gardens



NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY THE
HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS

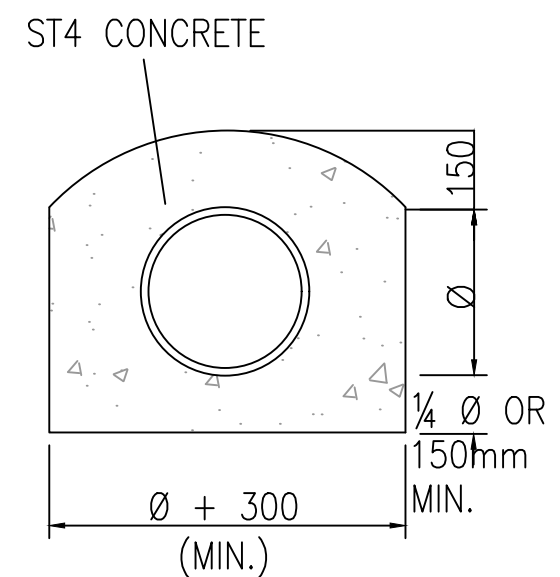
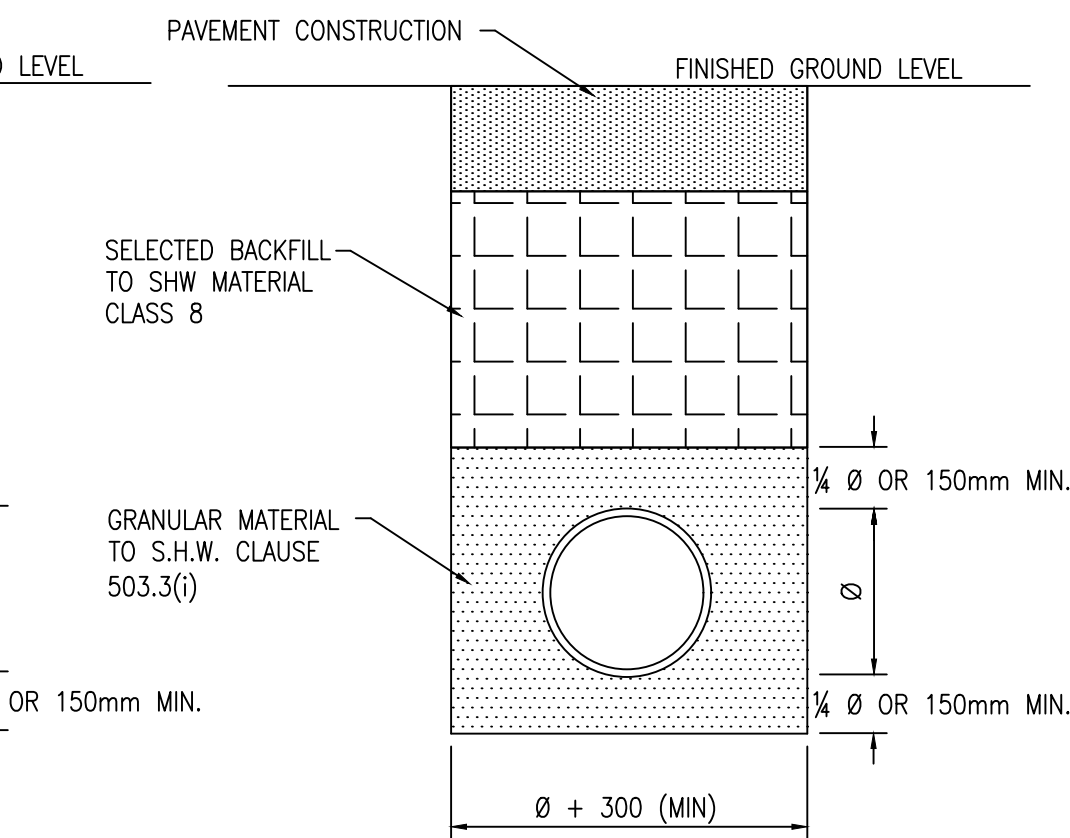
TYPICAL TYPE B BEDDING DETAIL

(TO BE USED WHEN COVER IS GREATER THAN 900mm
UNDER NON-TRAFFICKED AREA)



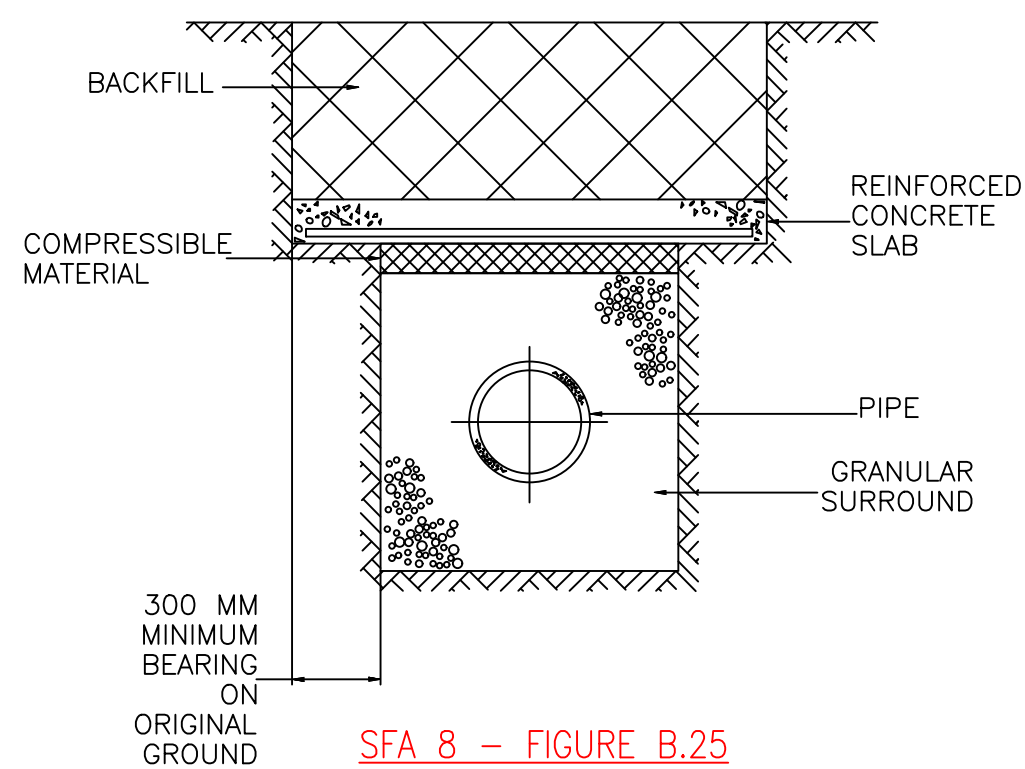
TYPICAL TYPE S BEDDING DETAIL

(TO BE USED WHEN COVER IS GREATER THAN 900mm
UNDER TRAFFICKED AREA)



TYPICAL TYPE Z BEDDING DETAIL

(TO BE USED WHEN COVER IS LESS THAN 900mm
TO PIPE SOFFIT UNDER-TRAFFICKED AREA)
(NTS)



SFA 8 – FIGURE B.25
PROTECTION OF PIPES LAID
AT SHALLOW DEPTHS

NOTES

- DO NOT SCALE FROM THIS DRAWING. USE ONLY WRITTEN DIMENSIONS
- ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) UNLESS STATED OTHERWISE
- THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE:

PIPE DIAMETER (mm)	LENGTH (m)
DN150 - DN600	0.6

- ALL DIMENSIONS ARE IN MILLIMETRES
- PROPOSED MANHOLES ARE TO BE TO SEWERS FOR ADOPTION 7th EDITION AND THE DESIGN & CONSTRUCTION GUIDANCE.
- DETAILS SHOWN FOR TYPE E PPIC CHAMBERS ARE TAKEN FROM Wavin DETAILS. THESE CHAMBERS SHALL BE INSTALLED TO THE MANUFACTURERS SPECIFICATION. IF ALTERNATIVE CHAMBERS ARE PROPOSED THE DETAILS MAY VARY AND SHOULD BE SUBMITTED TO THE DESIGNER. ALL PART NUMBERS SHOWN RELATE TO Wavin PRODUCTS.
- ALL WORKS TO COMPLY WITH "SEWERS FOR ADOPTION-7th EDITION" AND THE DESIGN & CONSTRUCTION GUIDANCE.
- A 30mm REDUCTION IN LEVEL HAS BEEN ALLOWED FOR IN THE CALCULATION OF INVERT LEVELS FOR ALL BRANCH CONNECTIONS TO PLASTIC INSPECTION CHAMBERS (AS PER Wavin DETAILS). INVERT LEVELS REFER TO MAIN CHANNEL. IF ALTERNATIVE CHAMBERS ARE PROPOSED THIS VALUE MAY VARY AND THE DESIGNER SHOULD BE CONSULTED.
- PIPEWORK TO BE VITRIFIED CLAY OR PLASTIC. VITRIFIED CLAY PIPES SHOULD COMPLY WITH REQUIREMENTS BS EN 295 FOR FOUL PIPES.
- PLASTIC PIPEWORK IS TO BE INSTALLED (POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.
- PLASTIC PIPEWORK IS TO BE INSTALLED (POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL THERMOPLASTIC PIPEWORK SHALL COMPLY WITH THE REQUIREMENTS OF THE DESIGN & CONSTRUCTION GUIDANCE.
- THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED DRAINAGE ARE IN ACCORDANCE WITH THOSE SET OUT IN THE DESIGN & CONSTRUCTION GUIDANCE, BUILDING REGULATIONS AND THE REQUIREMENT OF THE STATUTORY SEWERAGE UNDERTAKER.
- PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
 - PROPOSED PIPEWORK WITH <1.2m DEPTH TO SOFFIT IN ROADS/SERVICE AREAS.
 - OR <0.9m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH 7.5T VEHICLE WEIGHT LIMIT.
 - OR <0.5m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH NO VEHICLE WEIGHT LIMIT.
 - OR <0.35m DEPTH TO SOFFIT IN LANDSCAPED AREAS REQUIRES CLASS 2 BEDDING*

R1	21/07/2025	FOR INFORMATION	MG	CLS	AJF
REV	DATE	DESCRIPTION	DRN	CHD	APPD

DRG. STATUS

FOR INFORMATION



CLIENT
DOWLS CONSTRUCTION LTD

PROJECT
NETHERLEY ROAD, TARBOCK
GREEN, PRESCOT, L35 1QE

DRG. TITLE
DRAINAGE STANDARD DETAILS
SHEET 1

DRG. NO.
25085-AJF-ZZ-ZZ-DR-D-107

REV
R1