

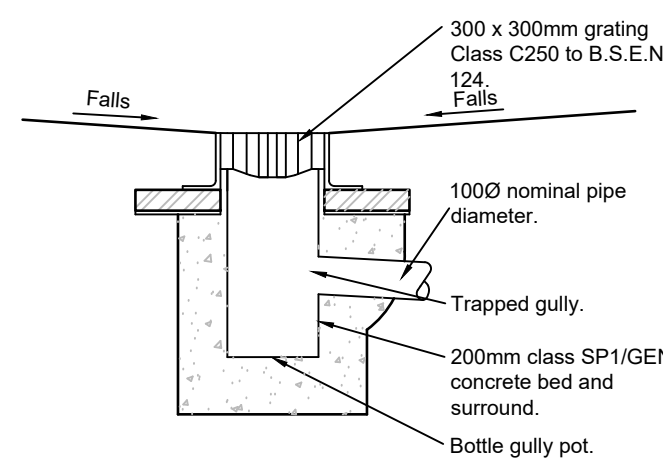
- This drawing is to be read in conjunction with all other BPC drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
- BPC accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
- Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
- Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
- All dimensions to be checked on site. All details and dimensions relating to sub-contractor work must be checked and agreed between the sub-contractor or supplier and the general contractor.
- The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. BPC logos and company information must be removed from copies if information is re-used.
- The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
- The main contractor is responsible for dealing with all occurrences of ground water during the construction period.
- The contractor must comply with all current legislation relating to health & safety.
- All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any BPC drawings, the manufacturers instructions must be used.
- All Earthworks in accordance with the Specification for Highway Works.

RESIDUAL HAZARDS

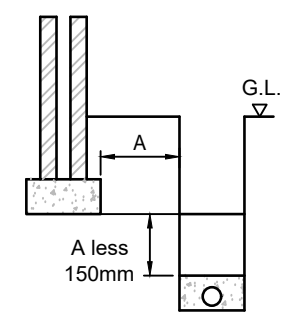
In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following:

- Buried services. Contractor to refer to record drawings and use CAT to locate existing services and undertake necessary precautions and investigation prior to excavating.
- Working in live traffic. Contractor to ensure traffic management is designed, erected and maintained to protect the workforce and the public. Contractor to undertake necessary precautions and ensure stability of existing structure.
- Working in live services. Contractor to ensure operatives are familiar and competent with the dangers of working in live services.
- Excavations close to existing structures. Contractor to prepare method statement to ensure stability of existing structure.
- Working in vicinity of Waterbodies with variable surface water flows & debris. Contractor to provide method statement and ensure operatives have appropriate safeguarding equipment.

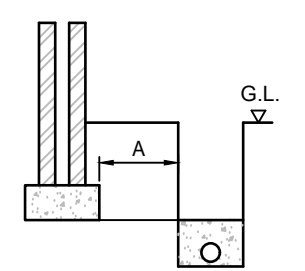
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved risk assessment and method statement



TYPICAL YARD (BOTTLE) GULLY
(VEHICULAR LOADING)
(Scale 1:20)

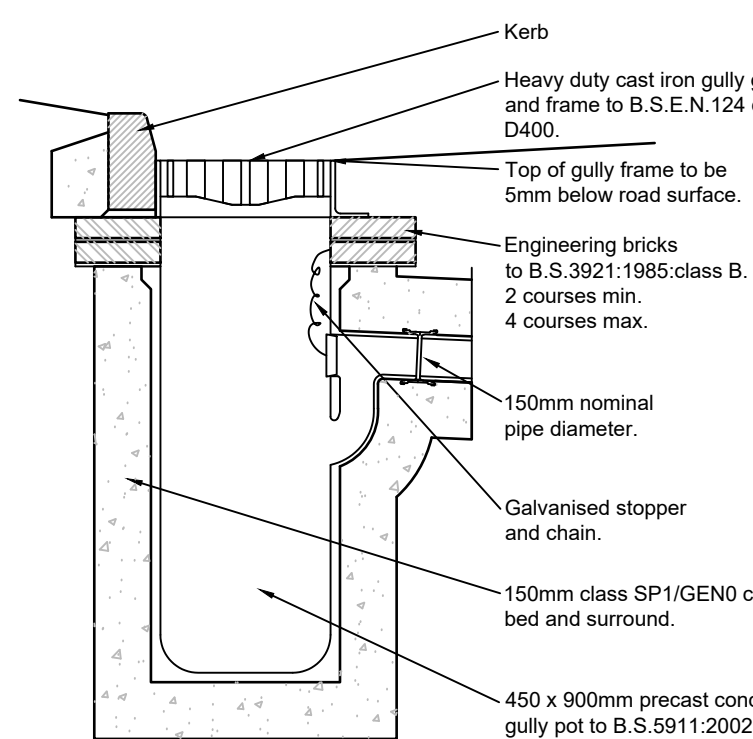


Where 'A' is 1.0m or more fill trench with concrete to this level.

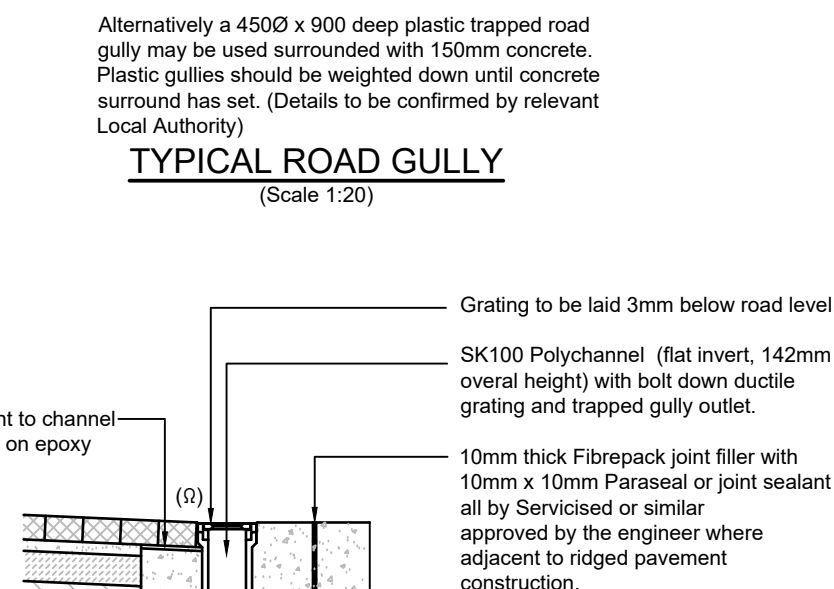


Where 'A' is less than 1.0m fill trench with concrete to this level.

DETAIL OF PIPE RUNS NEAR BUILDINGS
(Not to Scale)



TYPICAL ROAD GULLY
(Scale 1:20)



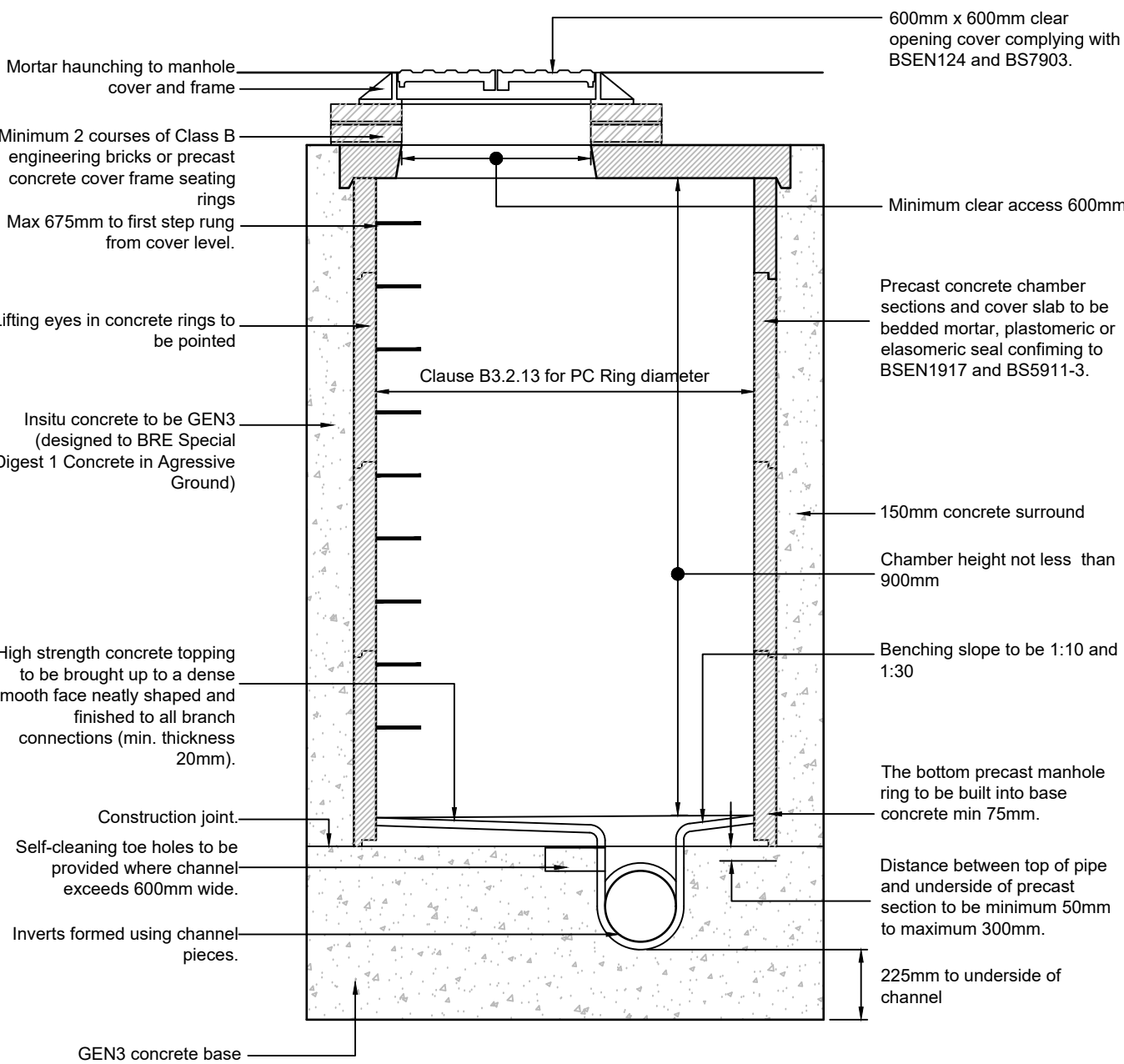
TYPICAL CHANNEL DRAIN
(Scale 1:20)

Minimum Dimensions for Access Fittings and Chambers						
Type	Internal Sizes			Cover Sizes		
	Depth to invert (m)	Size of largest pipe (DN)	Length x Width (mm)	Circular (mm)	Length x Width (mm)	Circular (mm)
Rodding Eye	As Drain but Minimum 100mm					
Shallow Access						
Small	0.6 or less	150	150x100	150	150x100	150
Large			225x100		225x100	
Inspection Chamber	0.6 or less	150	450x450	190	450x450	190
	1.2 or less		450x450	450	450x450	450
	1.2 - 3.0		450x450	450	300x300	350
Manhole	1.5 or less	150	675x750	1200	675x750	n/a
		225	675x1200	1200	1200x675	n/a
		300	675x1200	1200	1200x675	n/a
		>300	DN+450 x1800	The larger of 1800 or (DN+450)	1200x675	n/a
	Over 1.5	225	1200x1000	1200	600x600	600
		300	1200x1075	1200	600x600	600
		375-450	1350x1225	1200	600x600	600
		>450	DN+775 x1800	The larger of 1800 or (DN+775)	1200x675	600
Manhole Shaft	Over 2.7		900x840	900	600x600	600

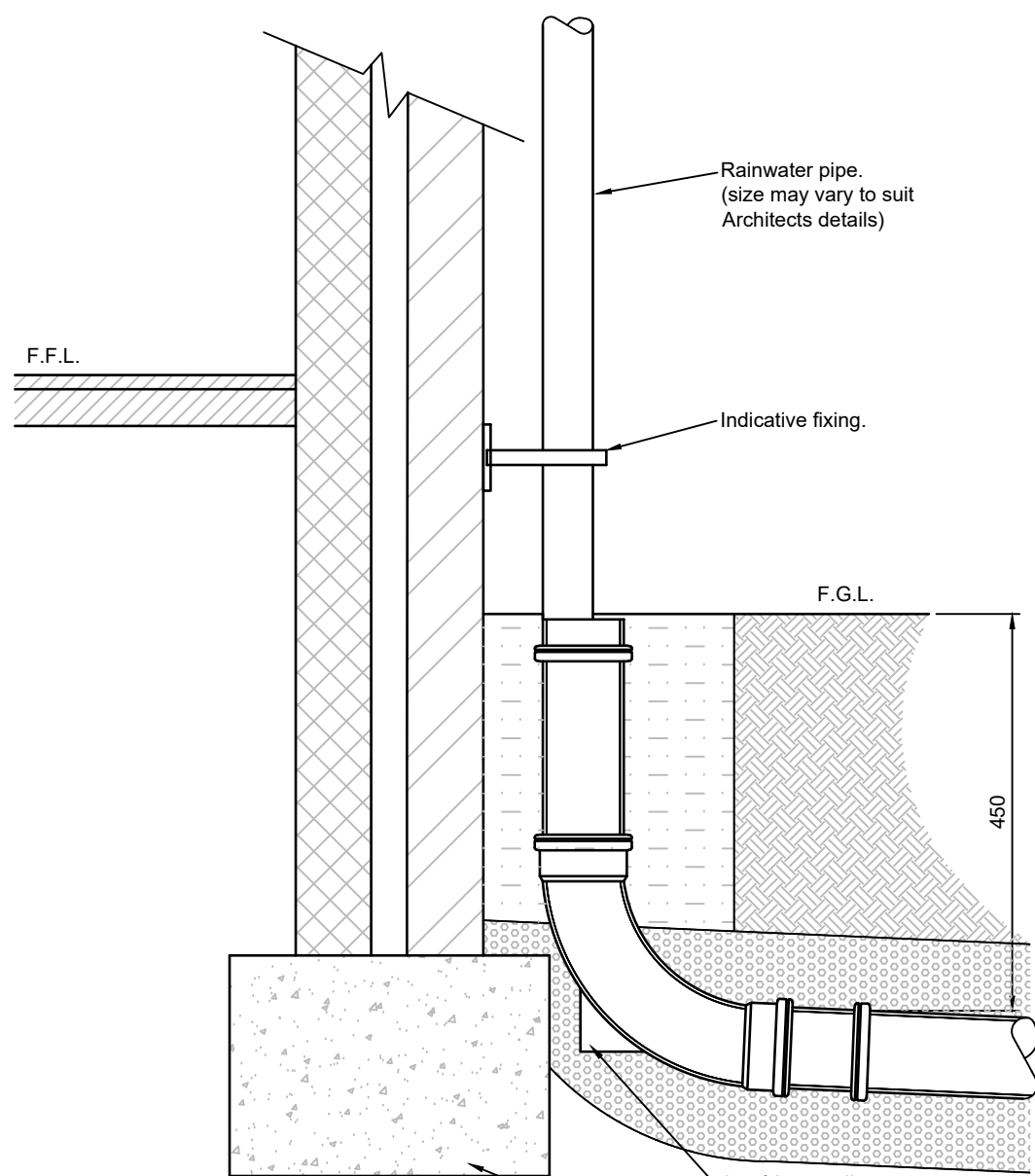
BUILDING REGULATIONS MINIMUM DIMENSIONS FOR MANHOLES

(Not to Scale)

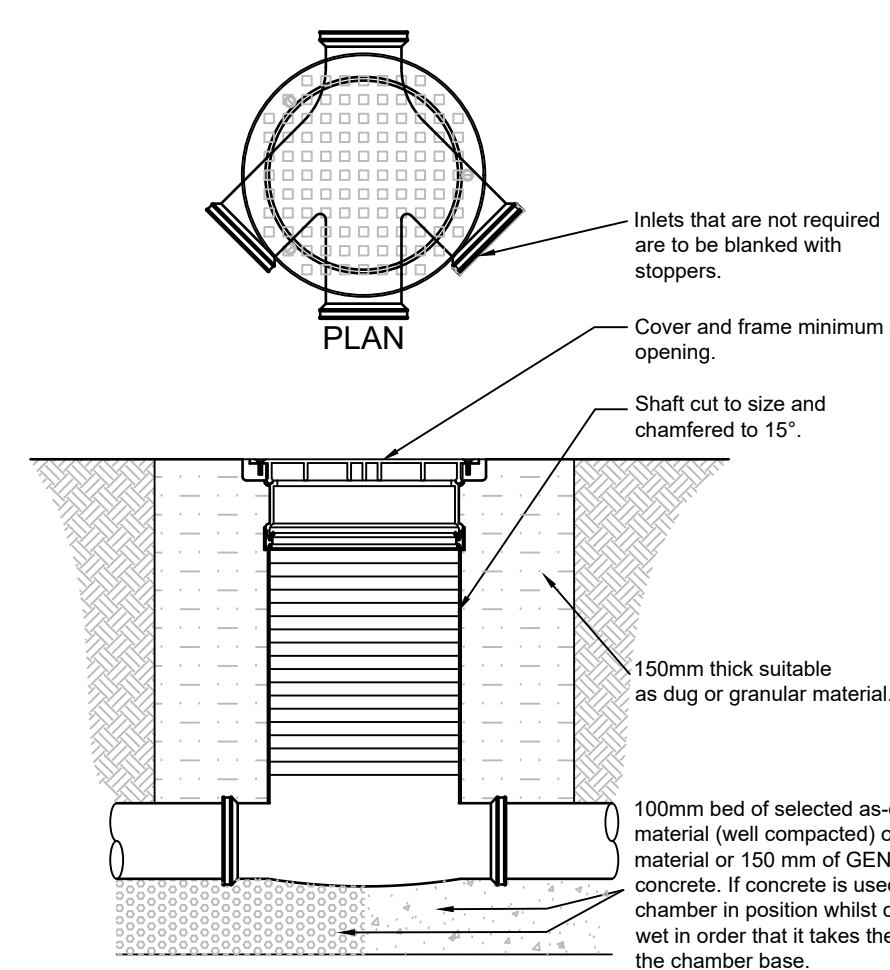
This plan complies with the Building Regulations 2002 Section 'H' - Drainage & Waste Disposal.



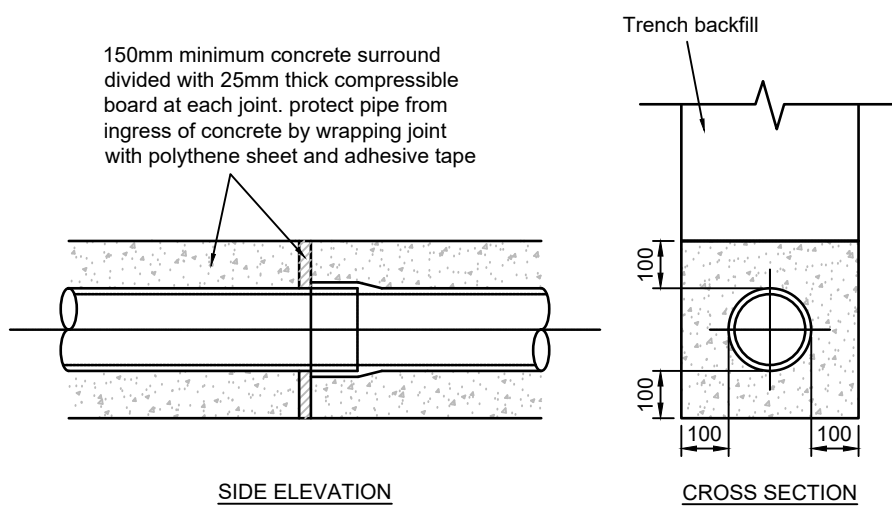
TYPICAL MANHOLE DETAIL - TYPE 2
Maximum depth from cover level to pipe soffit 3.0m
(Scale 1:20)



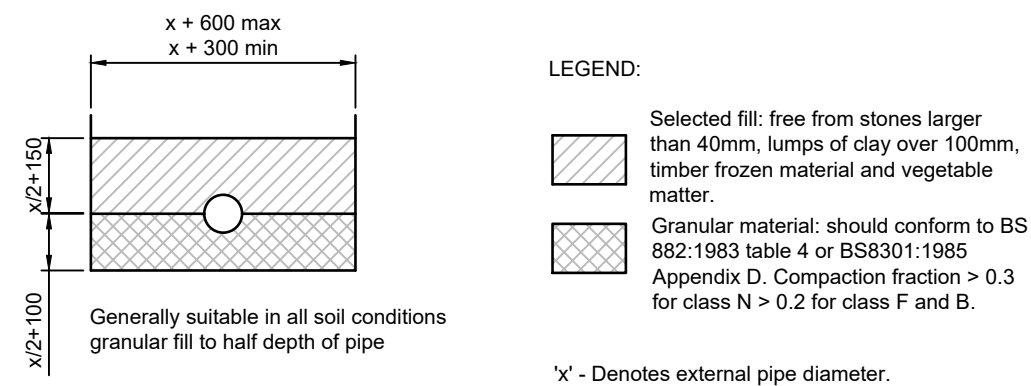
DETAIL OF RAINWATER PIPE
(Scale 1:20)



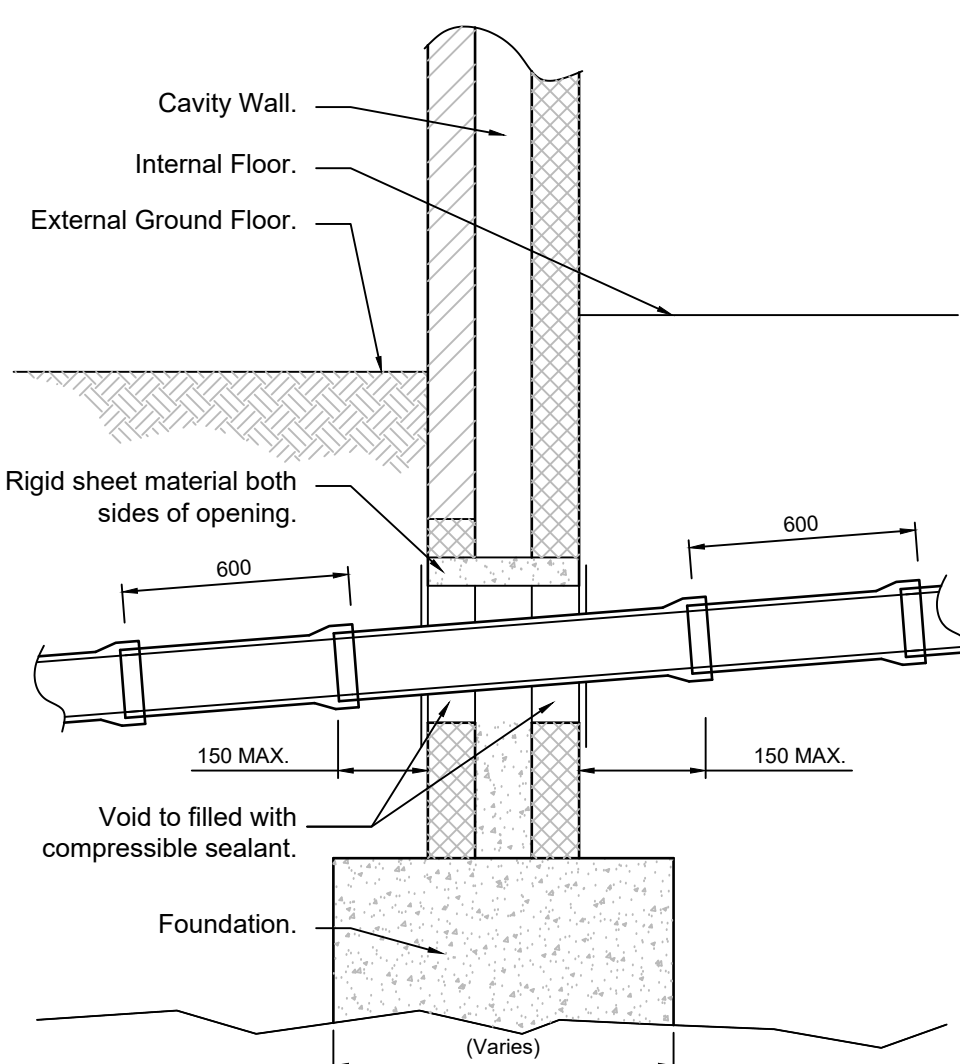
SECTION
POLYPROPYLENE SHALLOW INSPECTION
CHAMBER DETAIL (2500)
(Scale 1:20)



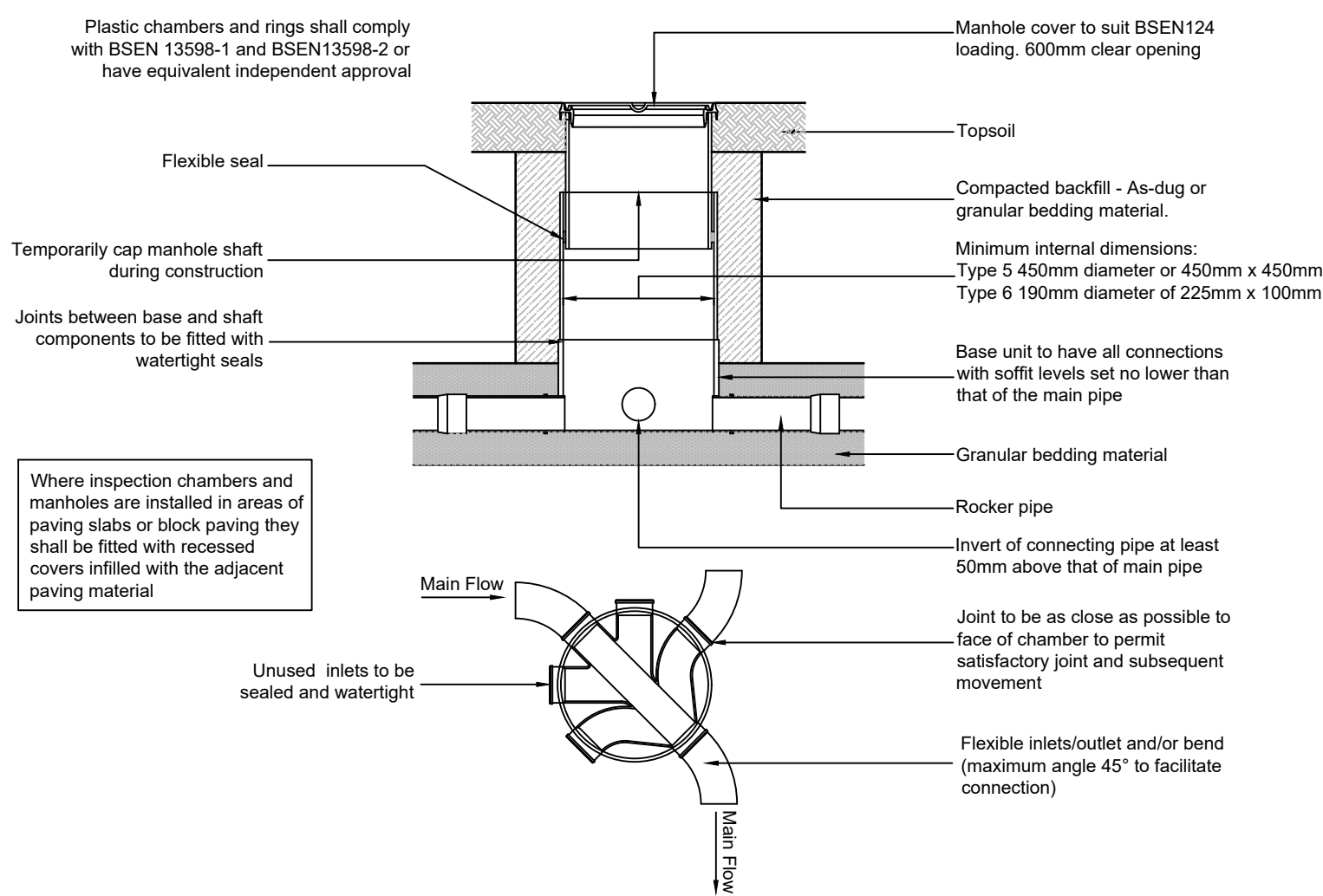
CONCRETE BED AND SURROUND TO PIPES
UNDER DRIVES AND GARDENS
Depth of cover less than 0.35m under private gardens and 0.5m under private drives
(Scale 1:20)



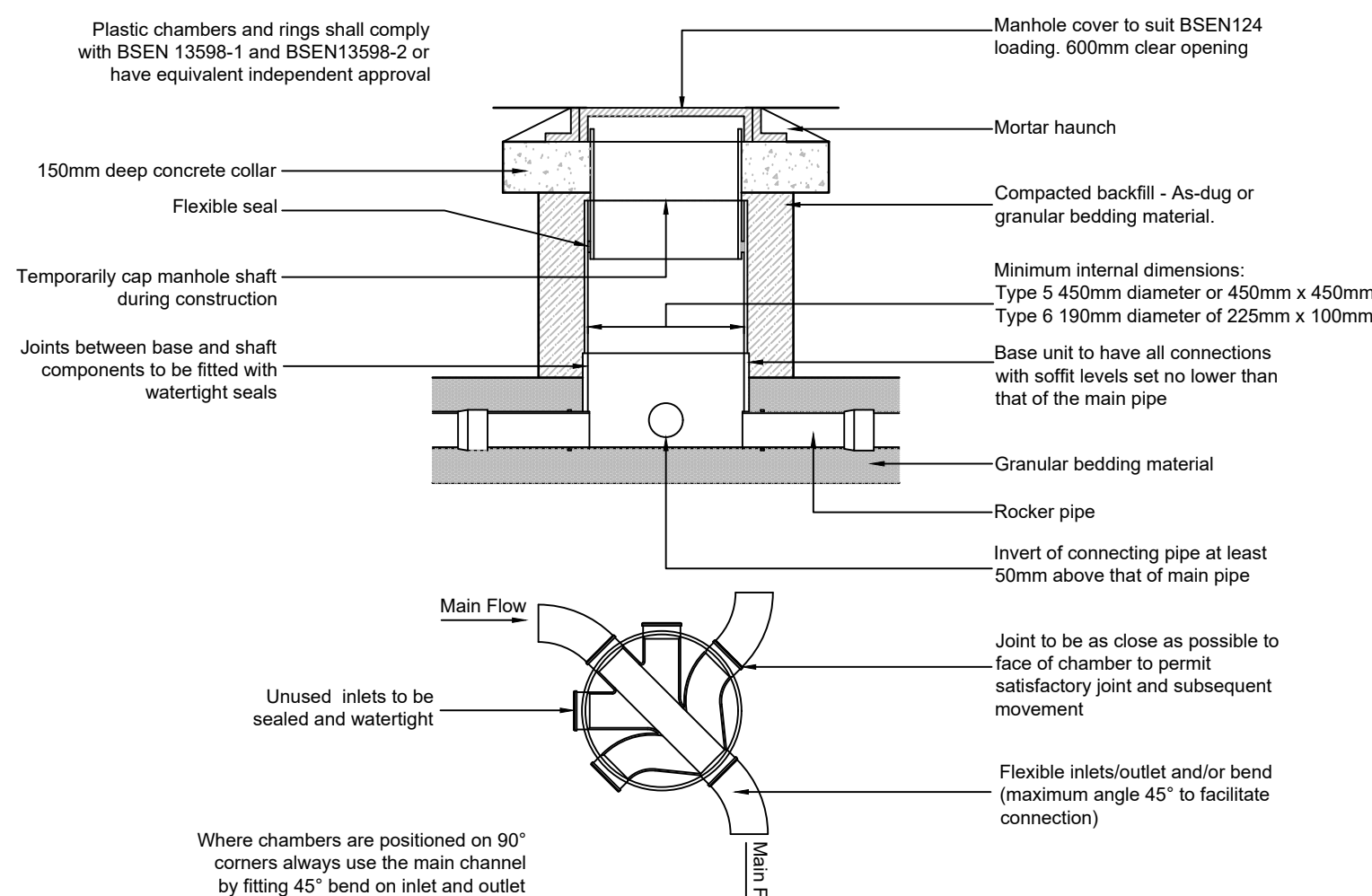
PIPE BEDDING DETAIL UNDER DRIVES AND GARDENS
Min depth of cover 0.35m under private gardens and 0.5m under private drives
(Scale 1:20)



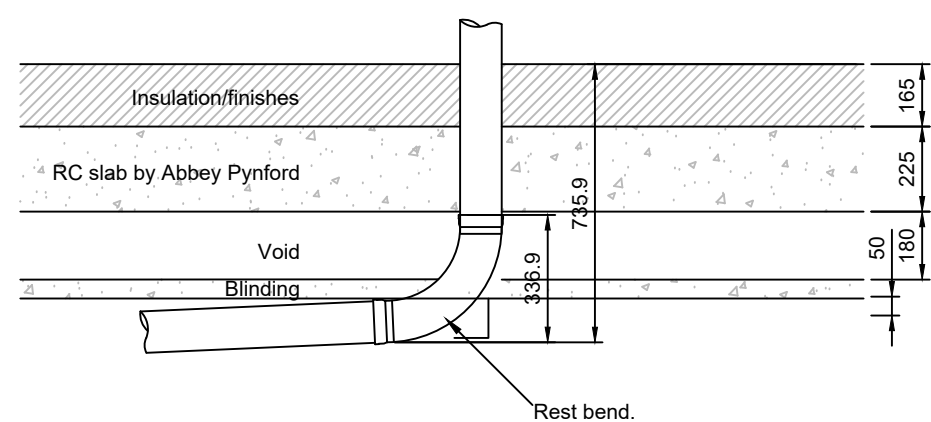
TYPICAL SECTION PIPE PASSING THROUGH
WALL PIPE THROUGH LINTELLED OPENING
(Scale 1:20)



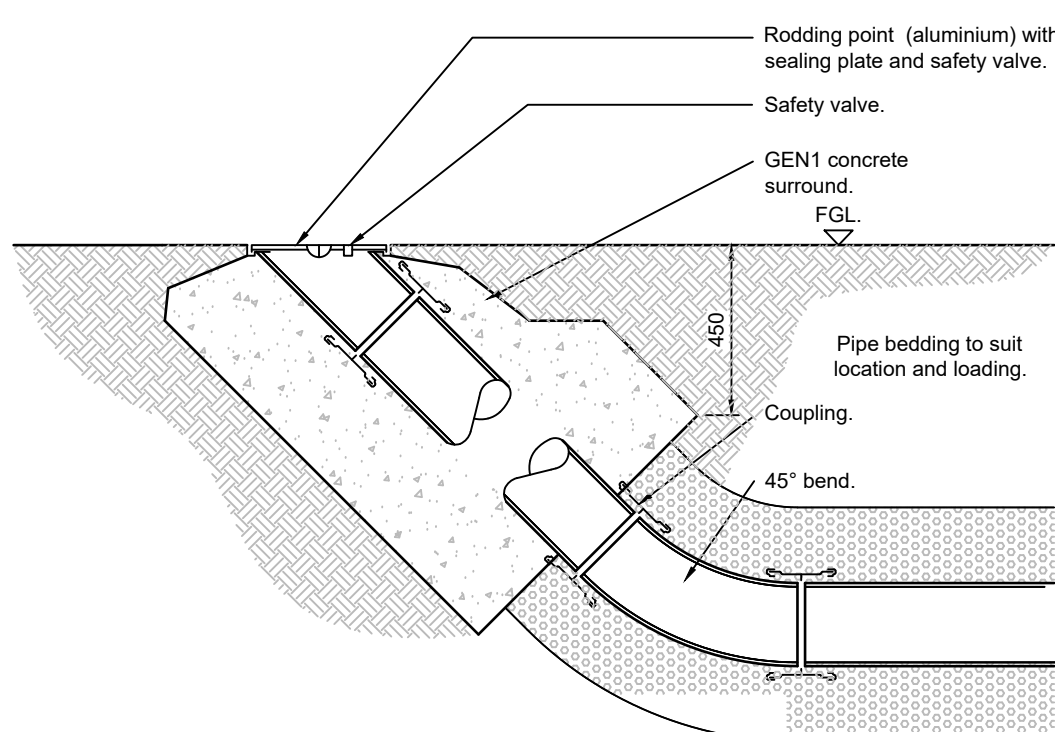
TYPICAL ACCESS CHAMBER DETAIL - TYPES 5 & 6
(LANDSCAPED AREAS)
1m MAXIMUM DEPTH TO FROM COVER TO PIPE SOFFIT, (NON ENTRY) LOCATED
IN LANDSCAPED AREAS



TYPICAL ACCESS CHAMBER DETAIL - TYPE 5 & 6
(FOOTPATHS AND PRIVATE DRIVES)
1m MAXIMUM DEPTH TO FROM COVER TO PIPE SOFFIT, (NON ENTRY)
LOCATED IN AREAS SUBJECT TO LIGHT VEHICLES AND FOOTPATHS



DETAIL OF FOUL REST BEND
(Scale 1:20 (2/1))



DETAIL OF RODDING EYE
(Scale 1:20)