



Drainage Key	
Existing Foul	0.750
Foul Water Manhole Text	CL:00.00 IL:00.00 80:00.00
Foul Water Pipe Diameter / Gradient	150/150
480mm Ø >600mm Depth	•
Soil & Vent Pipe	+svp

**Pipe Bedding Notes:**

**Mortar**  
1. Mortar shall be mixed only as and when required, the relevant proportions indicated in the following table, until its colour and consistency are uniform. The constituent materials shall be accurately gauged, allowance being made for bulking of sand.

Alternative Nominal Mixes By Volume		
Cement: Lime: Sand	Cement: Sand	Cement: Sand with Plasticiser
1: 1/2: 3	1: 3	1: 2 1/2 to 3

2. Ready-mixed lime sand for mortar and ready-to-use retarded mortar shall comply with the relevant provisions of BS 4721 and to be of category 1.12 and designation (i) respectively.

3. All mortar shall be conveyed fresh to the works as required for use. Mortar which has begun to set or which has been site-mixed for a period of more than one hour shall not be used. Plasticising and set retarding mortar admixtures shall comply with BS 4887: part 1 and 2, respectively and shall be supplied with instructions for use.

4. Fine aggregate for mortar shall be washed natural sand or crushed natural stone and shall comply in all respects with BS 1200.

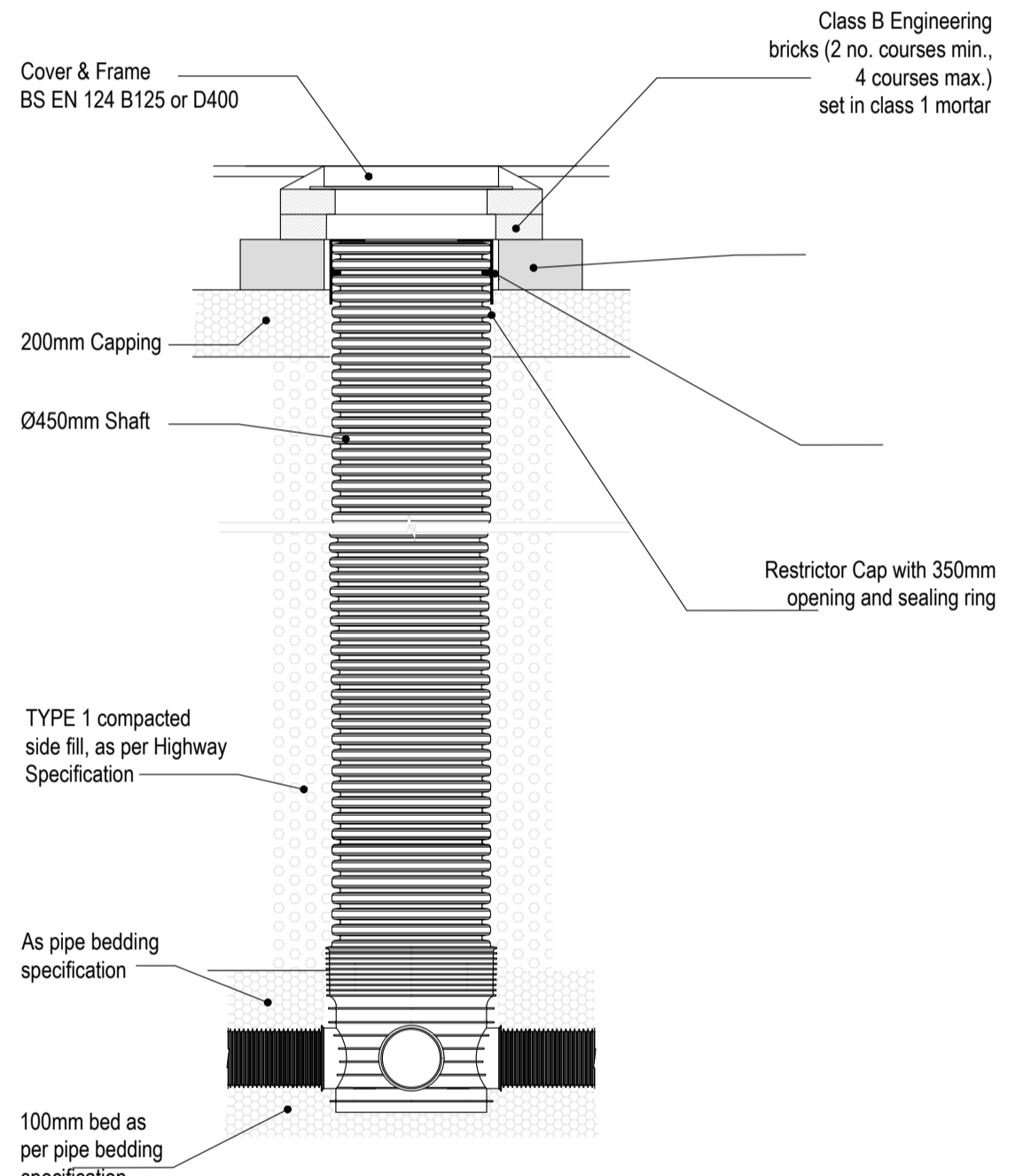
5. 20mm thick Flexcell, or similar approved filler to be used to form a flexible joint to the concrete surround at the leading edge of a sleeved coupling. Dimensions shown are irrespective of type or diameter of pipe. The surrounds must terminate at a pipe joint.

6. If pipes are surrounded in concrete, the joints are to be protected from the ingress of concrete by wrapping them in polythene sheet or building paper.

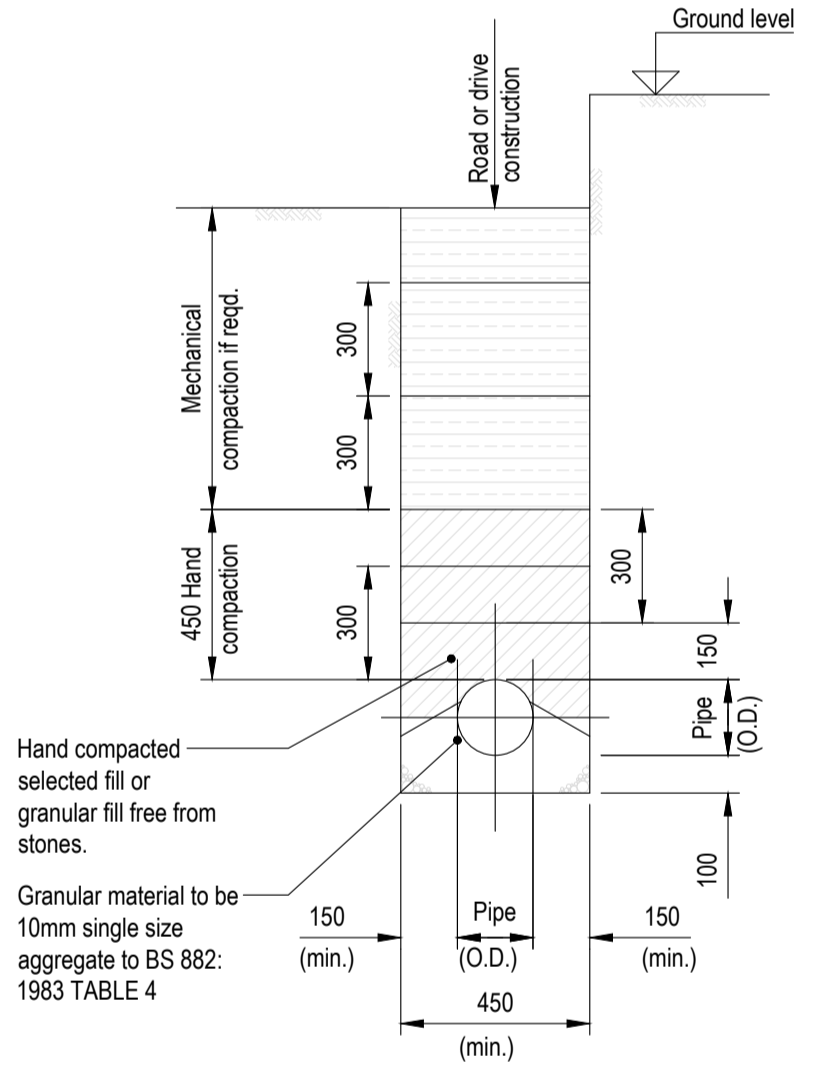
**General fill material**  
May be of selected locally excavated material or imported. It shall be uniform readily compacted material free from stones larger than 40mm dia. Lumps of clay over 100mm, timber, frozen material, vegetable matter, tree roots and building rubbish. The material shall be placed and compacted in layers not exceeding 300mm loose depth. Mechanical compaction equipment shall not be used until there is a minimum of 450mm of compacted material above the crown of the pipe.

**Selected fill material**  
To be free from stones larger than 40mm dia. Lumps of clay over 100mm, timber, frozen material, vegetable matter, tree roots and building rubbish. The material shall be placed uniformly on each side of the pipe in layers not exceeding 100mm. Each layer being compacted by hand tamping. Care to be taken not to displace the pipe from its correct line and level.

- General Notes:**
- Do not scale this drawing. All dimensions are in metres unless otherwise noted. Any discrepancies are to be recorded and reported to the engineers immediately.
  - This drawing is to be read in conjunction with all other engineers and architects drawings, and the specification.
  - All work is to be to the satisfaction of the engineer and local authority building control.
  - The contractor is responsible for and must take all necessary precautions to ensure the stability of the works at all times during construction.
  - All workmanship and materials are to be to current British Standards.
  - All services are to be located and protected as necessary by the contractor prior to the commencement of the works.
  - Any existing details which are shown on this drawing are for guidance only and are to be checked on site by the contractor. Any variations are to be recorded and reported to the engineer immediately.
  - All highway works are to be in accordance with the local authorities design guide and specification.
  - Prior to the occupation of the first dwelling, street nameplates shall be erected in accordance with the highway authority and to the wording agreed with the planning authority.
  - During construction works on site, all roads and footpaths are to be swept and kept clear of obstructions, this is to include existing highways as appropriate to ensure safe passage of all road users.
  - Provision shall be made for the installation of all mains services including ducting prior to the laying of the road base-course.
  - All road markings and signs are to be in accordance with the traffic signs regulations and directions 2016.
  - All sewer works are to be in accordance with sewers for adoption 6th edition.
  - All private connections to adoptable sewers should be a minimum of 100mm diameter (boul) and 150mm diameter (surface) made in vitrified clay connecting soffit to soffit.

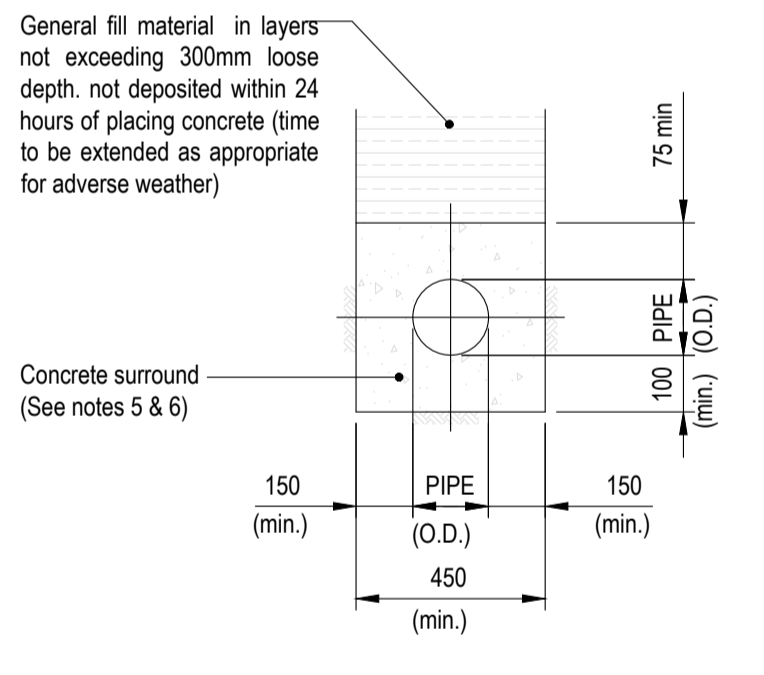


**Deep Inspection Chamber Ø450mm**  
Scale 1:20  
Note:  
3m maximum depth with Ø150mm maximum pipework and D400 Loading

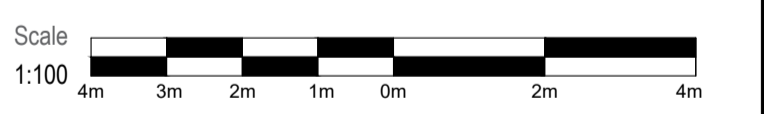


**Normal Bedding**  
Scale 1:20

Note:  
Pipe protection is required by one of the three methods shown where cover is <600mm in un-trafficked areas and <900mm elsewhere.



**Concrete Surround**  
Scale 1:20



P1	Preliminary Issue	MN	BP	30.03.2023
Issue	Notes	Drawn	Approved	Date
Issuing Office: JMS Midlands (Nuneaton): Victoria Court, 25 Tennant Street Nuneaton, Warwickshire, United Kingdom, CV11 4LZ, Tel: 02476 350505				
Project: The Holt, Barn Conversion Thurlaston				
Drawing Title: Foul Drainage Plan				
Project No. CO23/0128/02		Drawing No. 201		Issue P1
PRELIMINARY				