





**KEY**

-  Granular material to S.H.W. Clause 503.3 (i)
-  Concrete to S.H.W. Clause 503.3 (iii)
-  Class 8 material to S.H.W. Clause 503.3 (iv)
-  Material to SHW Clause 503.3(i)

**Notes**

1. All dimensions in millimeters.
2. The specification referred to in this drawing is the *Specification for Highway Works (SHW)* published by T.S.O. (The Stationery Office).
3. Dimension X is the external diameter of the pipe.
4. The backfill material to SHW Cl 505.2 shall be deposited in layers not exceeding 150mm thick and compacted as specified in SHW Cl 612 using power rammers or vibrating plate compactors unless other compacting equipment is required or agreed.
5. Selected fill shall be acceptable material Class 8 to SHW Cl 503.3 (iv). The soluble sulphur content of the fill material shall not exceed the values given in SHW Cl 601.
6. Under carriageway pavements the selected fill and backfill up to formation level shall consist of Type 1 sub-base material to SHW Cl 803 compacted in accordance with Cl 612, table 6/4 method 6.
7. Bedding and surround materials to SHW Cl 503.3 (ii).
8. Bedding and surround materials to SHW Cl 503.3 (i).
9. The bedding and surround shall be placed equally on both sides of the pipe in layers not exceeding 150mm thick and carefully compacted for the full width of the trench with hand tools.
10. Concrete Class ST4 to SHW Cl 503.3(iii). For Type A trench the concrete bed or surround may extend to the sides of the trench or be of minimum width.
11. Concrete Class ST2 to SHW Cl 503.3(iii). The concrete cover may be formed to a radius batter or horizontal surface. Minimum cover of concrete shall be 150mm.
12. This drawing is based on the *Manual of Contract Documents for Highway Works, F Series - Drainage, Drawing F1*.

Revision Details			
Drawn by	Check by	Check Date	Surf



Project: Standard details. Series 0500: Drainage and service ducts

Title: Surface water drains. Trench and bedding

Scale (at A4): Not to scale

Drawn	JC	Date	11/2023
Checked	CHK	Date	11/2023

Drawing No: SD/0500/05 Rev: 1

**Surface water drains  
trench and bedding details**