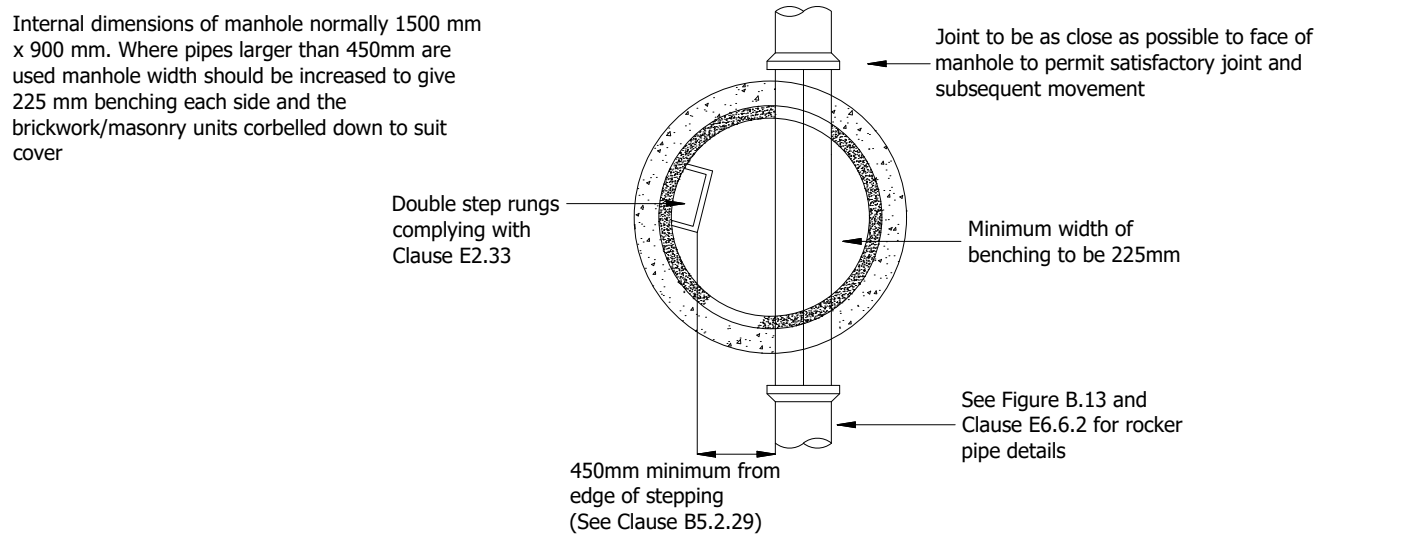
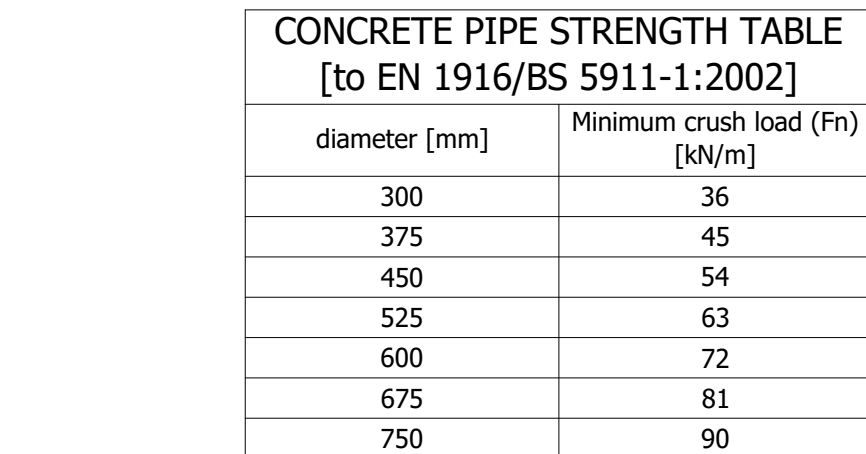


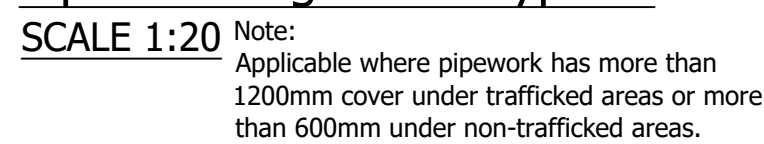
Depth from cover level to soffit of pipe 1.5m or less
Maximum pipe size 450 mm diameter
Rigid material construction



Depth from cover level to soffit of pipe 1.5 m to 3.0 m
Alternative Rigid material construction with concrete surround



Buried Buried pipework above 225mm dia. to be Class 120 (SRPC) concrete pipes to BS 5911 with spigot and socket flexible joints.



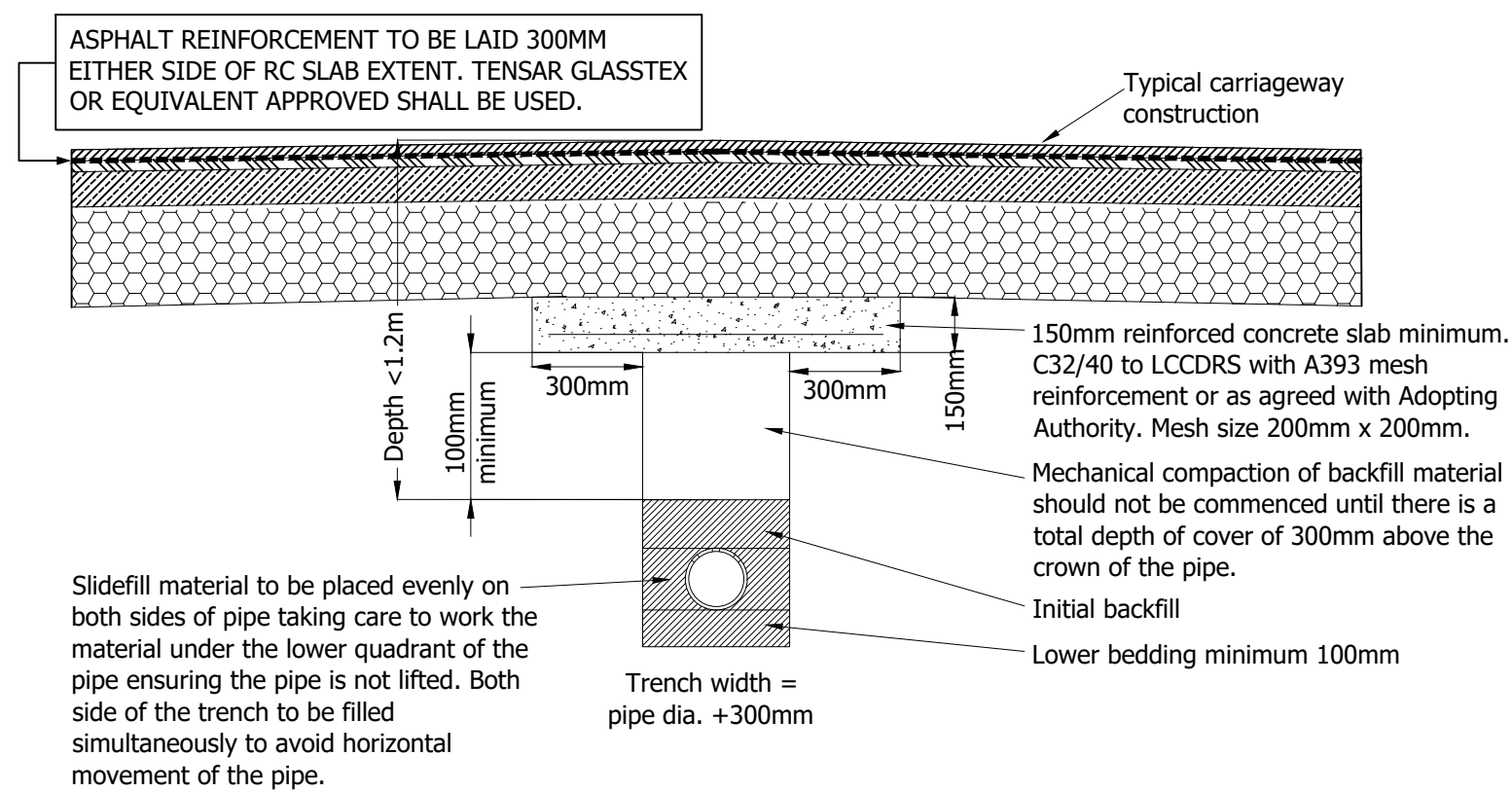
Note:
No Mechanical compaction techniques to be used within 300mm of the crown of all pipework.

See Structural Engineers details for pipework laid under buildings / through foundations etc.

- 1) All concrete pipes to be strength class H. Min crushing strength 36kN/m Concrete pipes to BS 5911.
- 2) Concrete pipes above 225mm dia shall be spigot and socket jointed.
- 3) When using type A bedding, flexible joints shall be maintained by incorporating compressible fibreboard at each joint.
- 4) Manhole covers and frames are to be double triangular to class D400, 150mm deep and Kite marked to BS EN 124. Covers to be NON-Rocking and shall provide a clear opening of not less of 675mm square.
- 5) Manholes constructed in the carriageway shall be at least 0.5m from the outside of the chamber to the kerb line, the manhole cover and pipes shall be at least 1m from the kerb.
- 6) Private inspection chambers shall not be situated within adoptable areas.
- 7) The benching on downstream manhole to be left out to form a catchpit and a 20 N/sq m Grit Grid to be fitted over the outgoing pipe during construction to prevent debris from entering the public sewer system.
- 8) Saddles are not to be fixed to the top of the sewer. They should be fixed in the 10 or 2 o'clock position.
- 9) The holes of the saddles are to be core drilled only, fixed to the existing sewer pipe with epoxy mortar (resin hardener base with coarse sand mixture). A 20 N/sq m sulphate resisting concrete surround are to be placed around the saddle connections after their curing time. Backfilling of the trenches should not take place until the saddles are fixed firmly and will not be dislodged by back filling and has been inspected and approved by the Severn Trent Water Clerk of Works.

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SUBJECT TO SECTION
104 APPROVAL



ONLY TO BE REQUIRED WHERE LESS THAN 1.2m COVER, FROM SOFFIT OF PIPE, IN TRAFFICKED AREAS AND 0.9m IN LANDSCAPED AREAS.

REV	DESCRIPTION	DATE	BY	AUTH
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STATUS. PRELIMINARY