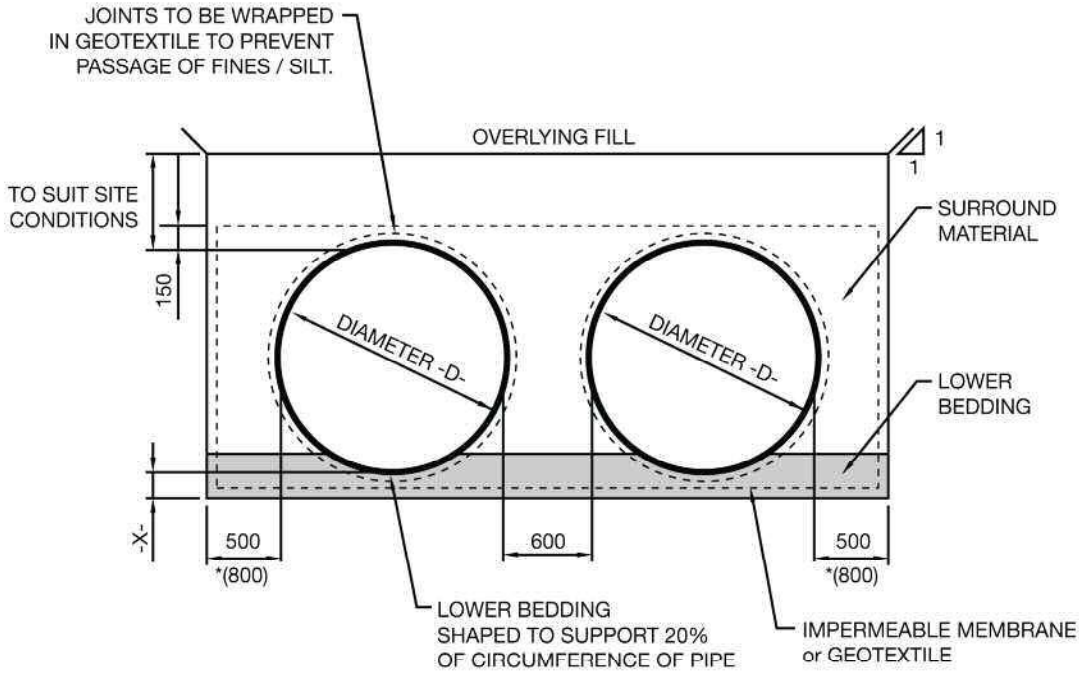
TUBOSIDER
GRUPPORUSCALLA
UNITED KINGDOM LTD

EXCAVATION AND BACKFILL REQUIREMENTS FOR TUBOSIDER TWINSTORE

Multiple Pipe Run



Minimum depth (X) of Lower Bedding material to be equal to Diameter (D) divided by 10. Therefore for a 1.8m pipe, X = 180mm. For a 2.4m pipe, X = 240mm etc.

*500mm for pipes less than 3m diameter. 800mm for pipes 3m and above.

Structural and Durability Design based on Highways Agency standard BD12

Backfill & Bedding Materials Specification

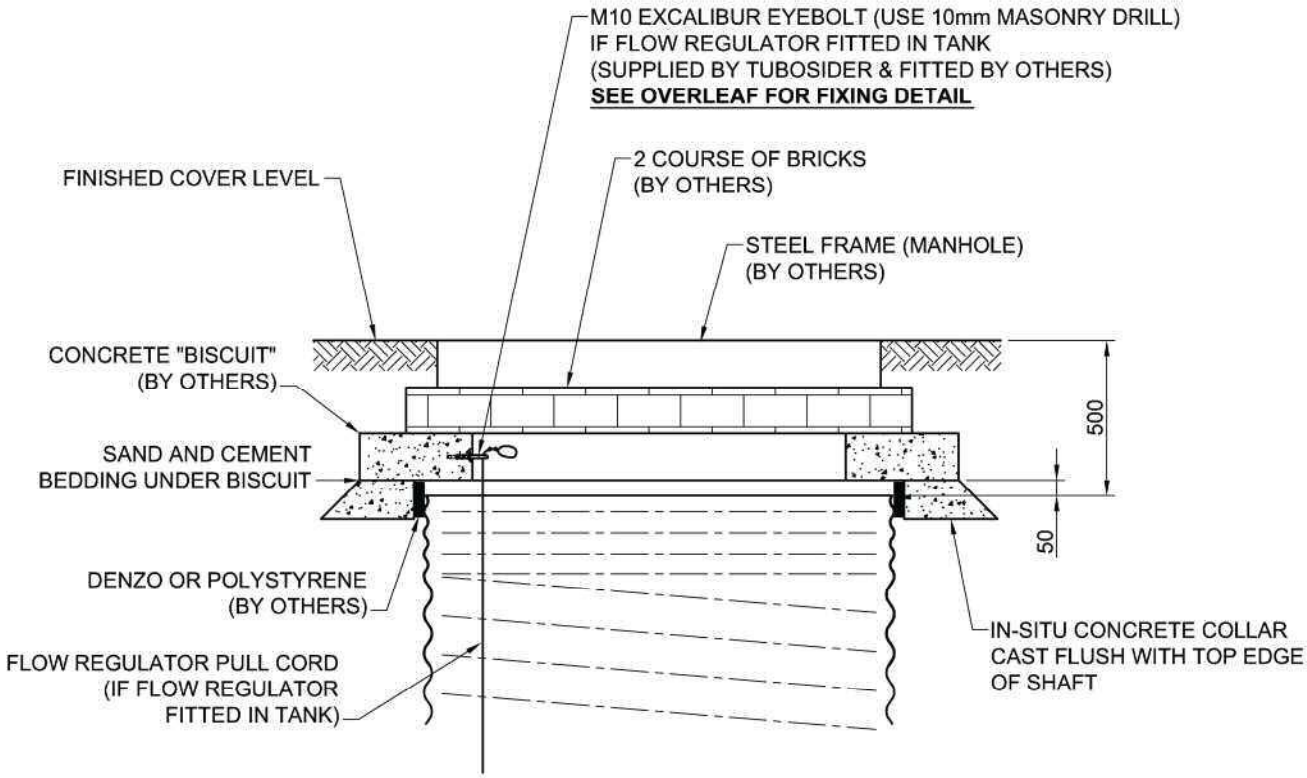
Lower Bedding Material	Clean, single size angular granular material from within the range 10mm to 20mm
Surround Material	Clean, single size angular granular material from within the range 20mm to 70mm

Note: SINGLE SIZE FILL REQUIRES NO COMPACTION

23.02.2012

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TYPICAL ACCESS SHAFT FINISHING DETAIL



NOTES:

1. When calculating access shaft heights Tubosider allow 500mm between finished cover level (FCL) and top of shaft.
2. The 500mm is typically made up of a concrete “biscuit”, 2 courses of bricks and a steel manhole frame. Any discrepancy can be taken up within the brickwork.
3. Prior to placing the “biscuit” the top of the shaft should be wrapped with denzo or polystyrene and the concrete ring should be cast with the top approx. 50mm above the top of the shaft. The “biscuit” should then be bedded onto the concrete ring with sand and cement mortar.
4. Concrete “biscuit”, bricks, cover and frame supplied by others.

27.06.2011

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