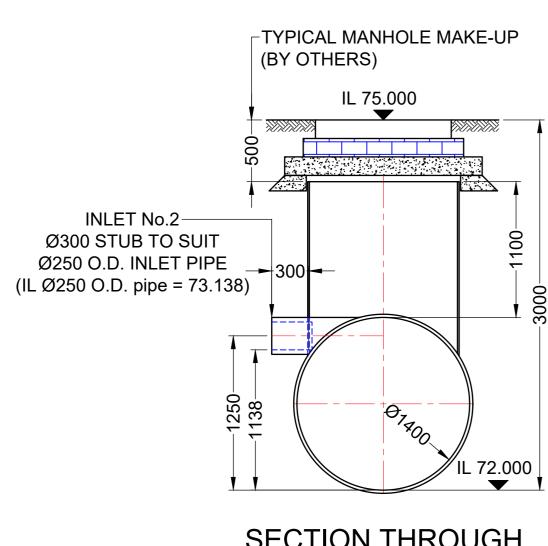
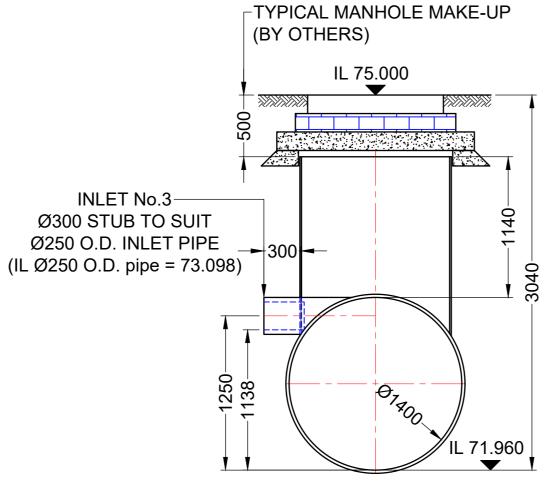


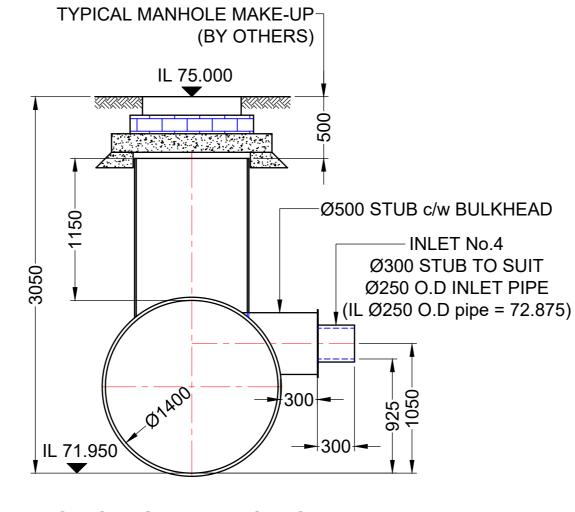
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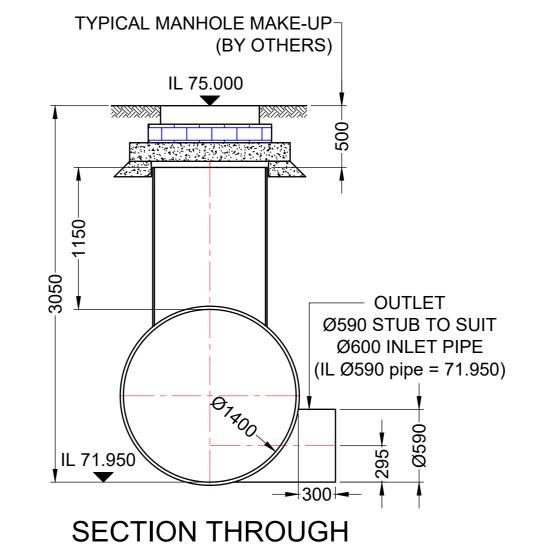
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SECTION THROUGH Ø1200 ACCESS SHAFT No.3 & INLET No.3 (WINCH ACCESS) SCALE 1:30

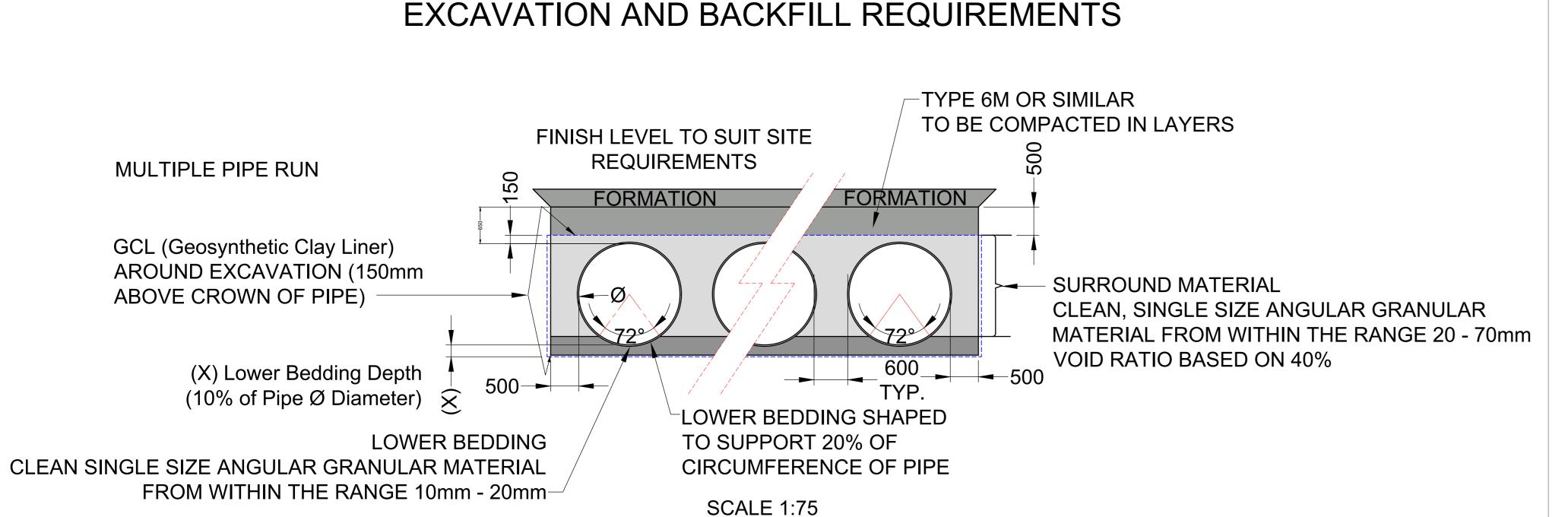


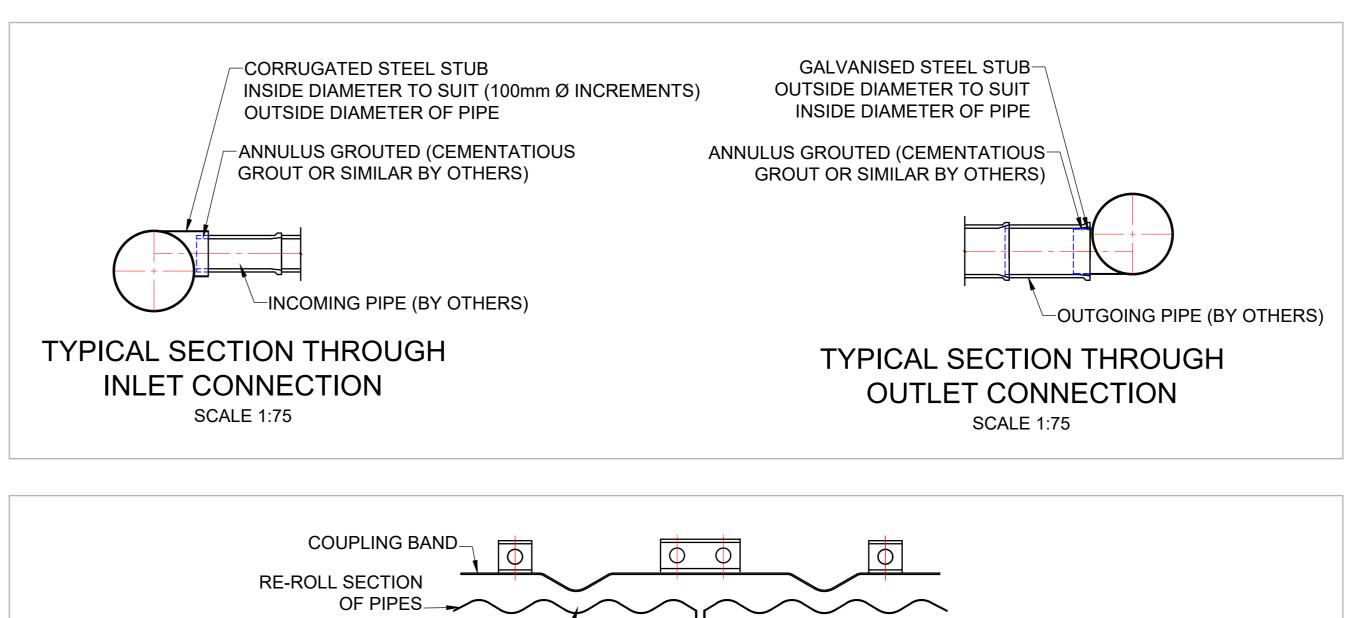
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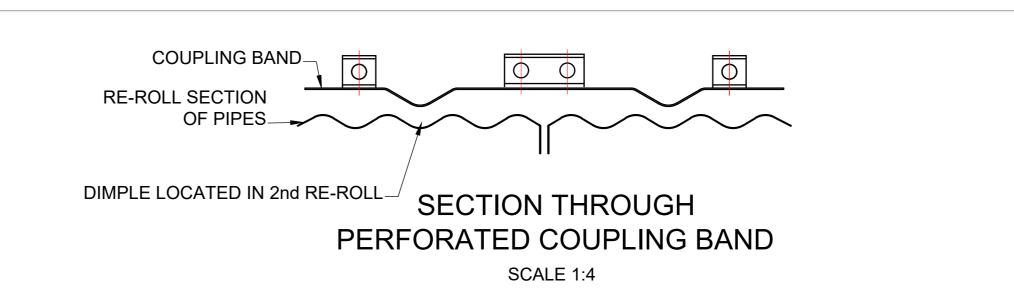


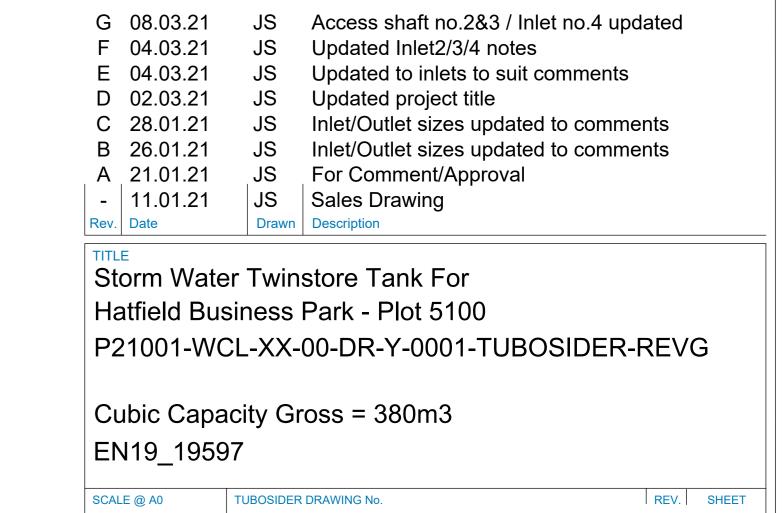
SECTION THROUGH Ø900 ACCESS SHAFT No.5 & OUTLET (WINCH ACCESS) SCALE 1:30

TYPICAL MAINTENANCE, ACCESS AND PUMP CHAMBER SHAFT FINISHING DETAIL TUBOSIDER RECOMMEND THE USE OF LOCKABLE COVERS TO PREVENT UNAUTHORISED ACCESS **TUBOSIDER SYSTEMS CAN BE VENTED** VIA MAHOLE COVERS (BY OTHERS)_ ☐2 COURSE OF BRICKS (BY OTHERS) FINISHED COVER LEVEL-STEEL FRAME (MANHOLE) (BY OTHERS) CONCRETE "BISCUIT" (BY OTHERS)_ DENZO OR POLYSTYRENE (BY OTHERS)_ IN-SITU CONCRETE COLLAR TUBOSIDER SHAFT_ OPTIONAL LADDER FLOW REGULATOR PULL CORD DEPENDANT ON TANK PIPE DIAMETER DRAIN DOWN FACILITY (NOT IN PUMP CHAMBERS)_ (IF REGULATOR FITTED IN THE TANK) 1. When calculating shaft heights Tubosider allow 500mm between finished cover level (FCL) and 2. The 500mm is typically made up of a concrete "biscuit" 2 courses of bricks and a steel manhole frame. Any discrepancy in levels 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 approximately 50mm above the top of the shaft (the shaft must not become load bearing). 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.









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TUBOSIDER
UNITED KINGDOM LTD

10 SUTTON FOLD INDUSTRIAL ESTATE, ST HELENS, WA9 3GL
TEL: 01744 452900 Fax: 01744 452949
Website: www.tubosider.co.uk Fmail: sales@tubosider.co.uk