



**Notes**

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- All dimensions in millimetres unless otherwise stated.
  - The specification referred to in this drawing is the *Specification for Highway Works (SHW)* published by T.S.O. (The Stationery Office).
  - 1800 dia. precast concrete chamber rings and cover slab to be bedded with mortar, proprietary bitumen or resin mastic sealant. All pre-cast concrete to be to BS 5911-3 and BS EN 1917.
  - All ST concrete shall be to SHW CI 2602.
  - Formwork to be Class F1.
  - Exposed faces of in-situ concrete to have U2 finish.
  - See SHW Sub-Clause 507.7 regarding backfill/surround to chamber.
  - All pipework connecting to chambers shall include flexible joints within 500mm of the chamber.
  - Penstock and Flow Control Device to be secured to chamber wall using stainless steel expanding bolts. Number, size and length of bolts to be in accordance with manufacturer's recommendations.
  - 150 thick (at mid point) ST4 concrete cast against chamber ring as mounting for flow control.
  - 100 thick (at mid point) ST4 concrete cast against chamber ring as mounting for penstock.
  - Dimensions of penstock and flow control mountings to suit manufacturer's requirements. Stated dimensions are indicative only.
  - 1-3 Courses of Class B engineering bricks to SHW CI 507 (including CI 507.3, CI 507.18 and CI 2406.3) or precast concrete frame seating rings.
  - Plastic encapsulated double width steel irons at 250 c/c vertically (675 max. distance from cover to first step. 300 max. distance from bottom step to chamber base).
  - Cover and frame shall be 675 x 675mm Class D400 Badge marked, Heavy Duty and kitemarked with a protection coating to SHW CI 507.9 and BS EN 124:1994.

Revision Details				Drawn by	Checked by	Check Date	Surf



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

Title: Type 16 flow control chamber  
 Scale (at A4): Not to scale

Drawn	JC	Date	02/2024
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Drawing No.	SD/0500/21	Rev.	1