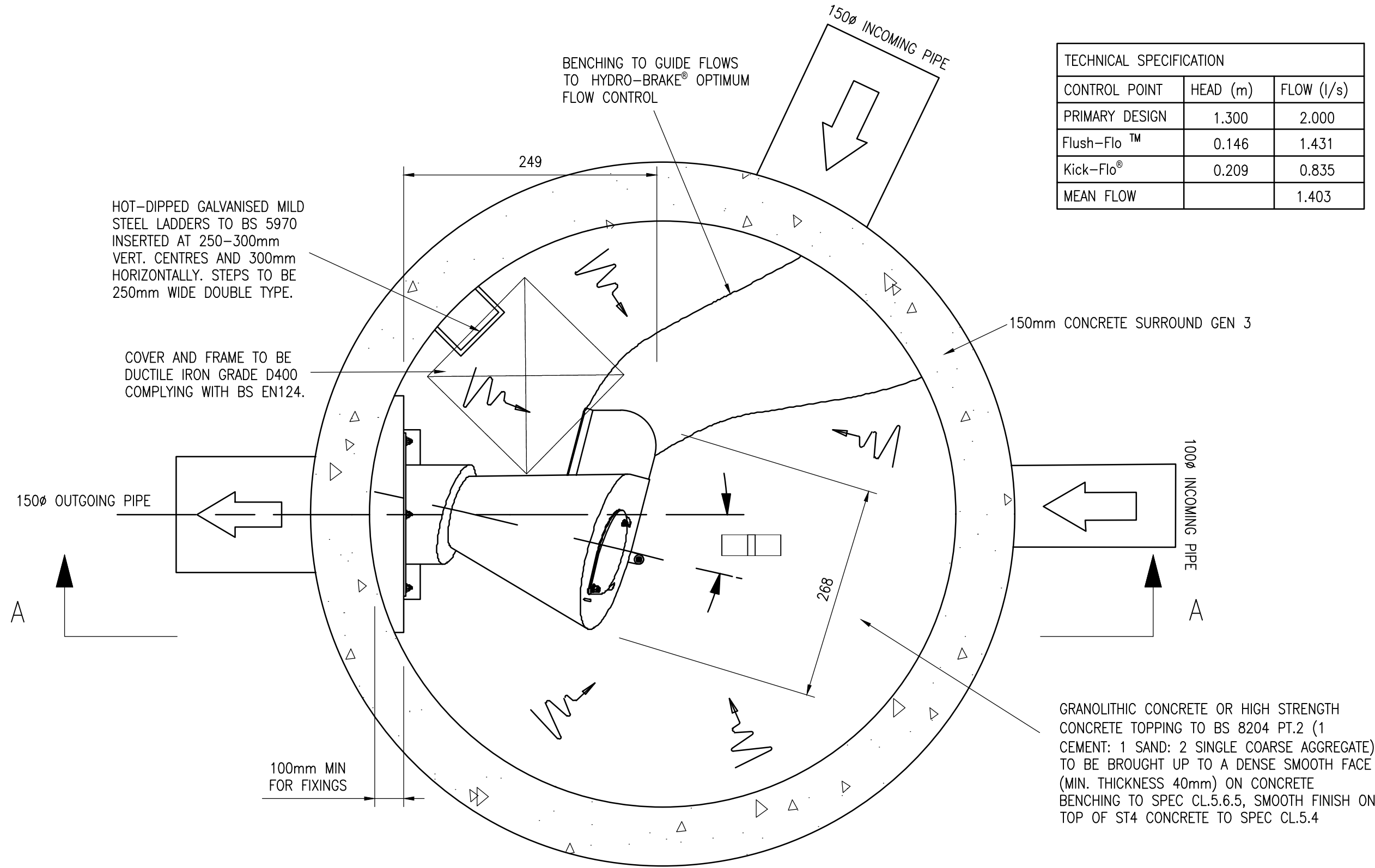
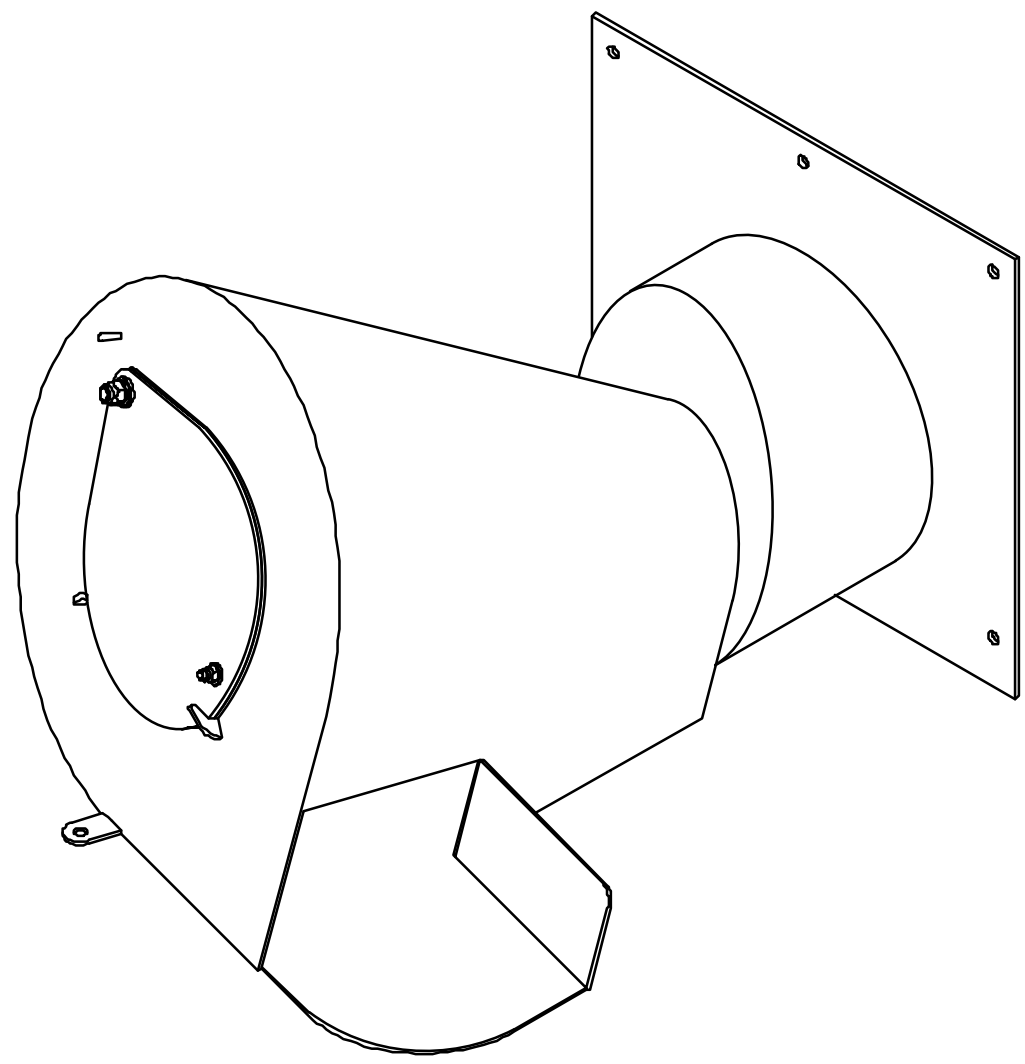


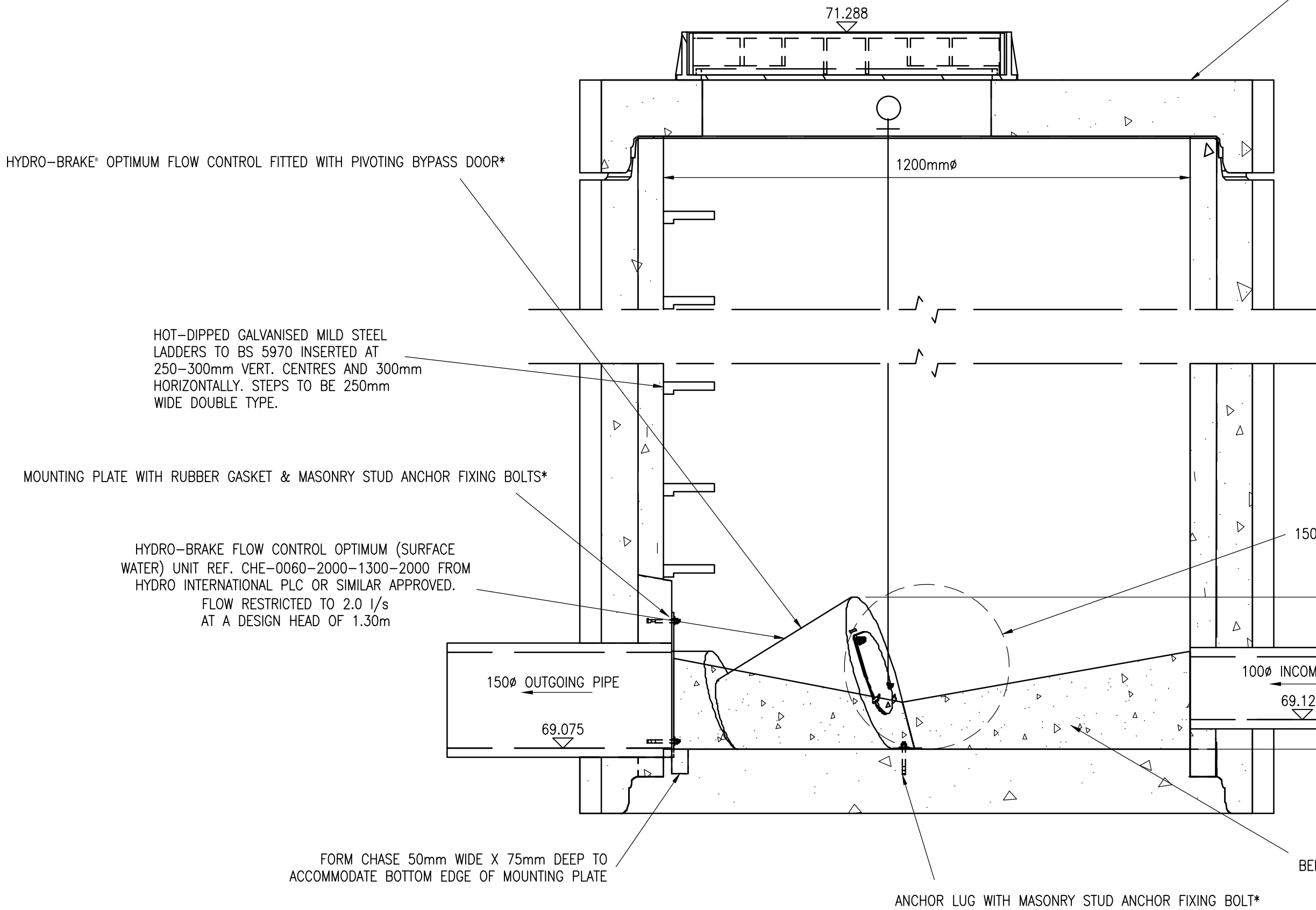


- Hydro-Brake® OPTIMUM FLOW CONTROL INCLUDING:
- 3mm GRADE 304L STAINLESS STEEL
 - INTEGRAL STAINLESS STEEL PIVOTING BY-PASS DOOR
 - ALLOWING CLEAR LINE OF SIGHT THROUGH TO OUTLET, C/W STAINLESS STEEL OPERATING ROPE
 - BEDD BLASTED FINISH TO MAXIMISE CORROSION RESISTANCE
 - STAINLESS STEEL FIXINGS
 - RUBBER GASKET TO SEAL OUTLET
 - INDICATIVE WEIGHT: 10kg

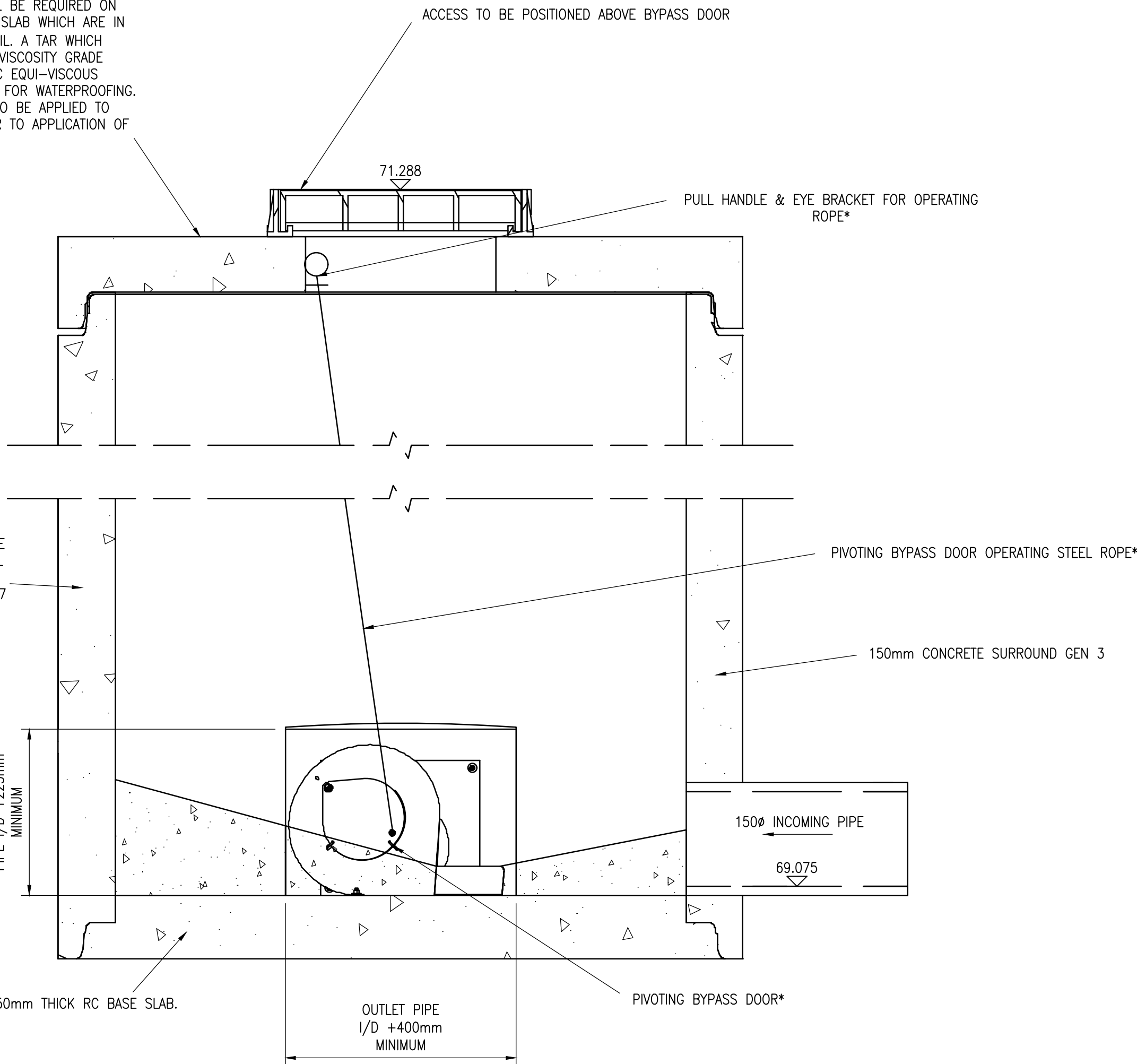


HYDRO-BRAKE FLOW CONTROL OPTIMUM (SURFACE WATER) UNIT REF. CHE-0060-2000-1300-2000 FROM HYDRO INTERNATIONAL PLC OR SIMILAR APPROVED.
FLOW RESTRICTED TO 2.0 l/s AT A DESIGN HEAD OF 1.30m

WATERPROOFING LAYER WILL BE REQUIRED ON ALL FACES OF THE COVER SLAB WHICH ARE IN CONTACT WITH THE FILL/SOIL. A TAR WHICH COMPLIES WITH BS 76 OF VISCOSITY GRADE WITHIN THE RANGE 30-38°C EQUI-VISCIOUS TEMPERATURE TO BE USED FOR WATERPROOFING. A COMPATIBLE PRIMER IS TO BE APPLIED TO CONCRETE SURFACES PRIOR TO APPLICATION OF TAR.



SECTION A-A



SECTION B-B

- NOTES:
1. SEWERS SHALL BE CONSTRUCTED TO THE SATISFACTION OF SEVERN TRENT WATER AND IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION UNDER THE CODE FOR ADOPTION AGREEMENTS FOR WATER AND SEWERAGE COMPANIES OPERATING WHOLLY OR MAINLY IN ENGLAND ("THE CODE") APPROVED VERSION 2.3 NOVEMBER 2023.
 2. ALL SPECIFICATION CLAUSES LISTED REFER TO AFOREMENTIONED DOCUMENT.
 3. THIS DRAWING IS INTENDED FOR GUIDANCE ONLY, IS NOT FULLY COMPREHENSIVE AND MUST BE READ IN CONJUNCTION WITH THE ABOVE DOCUMENT, WHICH WILL SUPERSEDE THIS DRAWING IN THE EVENT OF CONFLICT.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 5. ALL MATERIALS FOR USE IN THE CONTRACT MUST BE BS KITEMARKED.
 6. THE CONTRACTOR MUST ALLOW WITHIN THEIR RATES FOR COMPLIANCE AT ALL TIMES WITH THE 1974 HEALTH AND SAFETY AT WORK ACT AND THE 2015 CDM REGULATIONS.
 7. FLOWS IN EXISTING SEWERS SHALL BE MAINTAINED AT ALL TIMES.
 8. ALL LIFTING EYES IN P.C.C. PRODUCTS SHALL BE POINTED SMOOTH AFTER FIXING.
 9. CORBELLING OF BRICKWORK SHALL NOT EXCEED 30MM PER COURSE.
 10. ALL CEMENT AND CONCRETE PRODUCTS TO USE SULPHATE RESISTING CEMENT.
 11. ALL PIPEWORK TO HAVE SPIGOT AND SOCKET FLEXIBLE JOINTS UNLESS OTHERWISE SPECIFIED. ALL CLAY PIPES AND FITTINGS SHALL BE TO BS EN295-1. ALL CONCRETE PIPES AND FITTINGS SHALL BE TO BS5911-1 & BS EN 1916.
 12. WHEREVER APPROPRIATE, GEOTEXTILES SHALL BE USED TO CONTAIN BEDDING & SURROUND MATERIAL E.G. IN AREAS OF RUNNING SAND.
 13. ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE BS 5911-3 & BS EN1917.
 14. PIPES OF DIFFERENT DIAMETERS ENTERING MANHOLES SHALL BE INSTALLED WITH SOFFITS AT THE SAME LEVEL UNLESS STATED OTHERWISE.
 15. ALL MANHOLE COVERS TO BE 675 x 675mm COVER AND FRAME TO MAINTAIN CLEAR 600 x 600mm CLEAR OPENING, UNLESS STATED OTHERWISE IN ACCORDANCE WITH BS EN 124 CLASS D400 AND EMBOSSED.
 16. PRECAST CONCRETE RINGS SHALL NOT BE CUT UNDER ANY CIRCUMSTANCES. MANHOLES TO BE BUILT UP WITH CONCRETE OR BRICK WORK TO THE REQUIRED LEVEL.

CHAMBER AND COVER SLAB DESIGNED FOR 120 YEAR DESIGN LIFE.

PRE-CAST CHAMBER RINGS TO BE WATERPROOFED TO MANUFACTURERS DETAILS AND DESIGNED FOR A 120 YEAR DESIGN LIFE.

THIS DRAWING IS FOR INFORMATION/APPROVAL AND SUBJECT TO AMENDMENT. NO RELIANCE SHOULD BE TAKEN UNTIL THE DRAWING STATUS IS CHANGED TO 'FOR CONSTRUCTION'.

REV: FIRST ISSUE AMENDMENTS: DRN: CHK: APP: DATE: 08.08.24

PROJECT: CHAPEL LANE WITHERLEY

DRAWING TITLE: HYDROBRAKE CONSTRUCTION DETAILS

CLIENT: A.R. CARTWRIGHT CONSTRUCTION LTD

DRAWING NUMBER: 20652_02_080_04

REVISION: - SHEET SIZE: A1 SCALE: NTS

STATUS: FOR INFORMATION / APPROVAL

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File Location: R:\20652\drawing\A1\2 series Infrastructure\20652_02_080_04 hydrobrake construction details.dwg
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