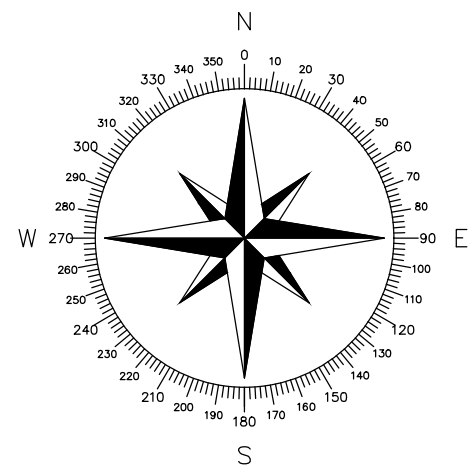
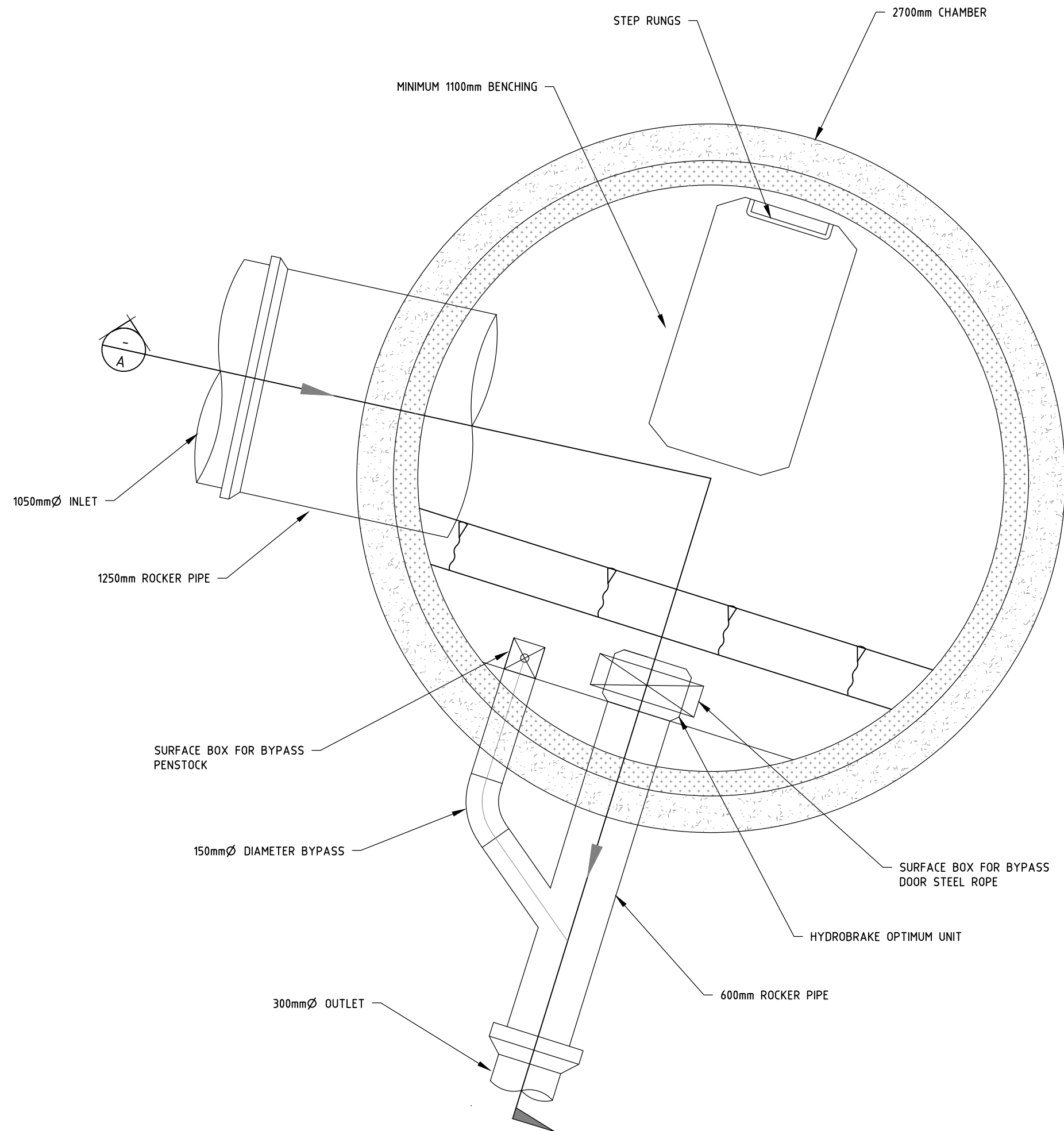
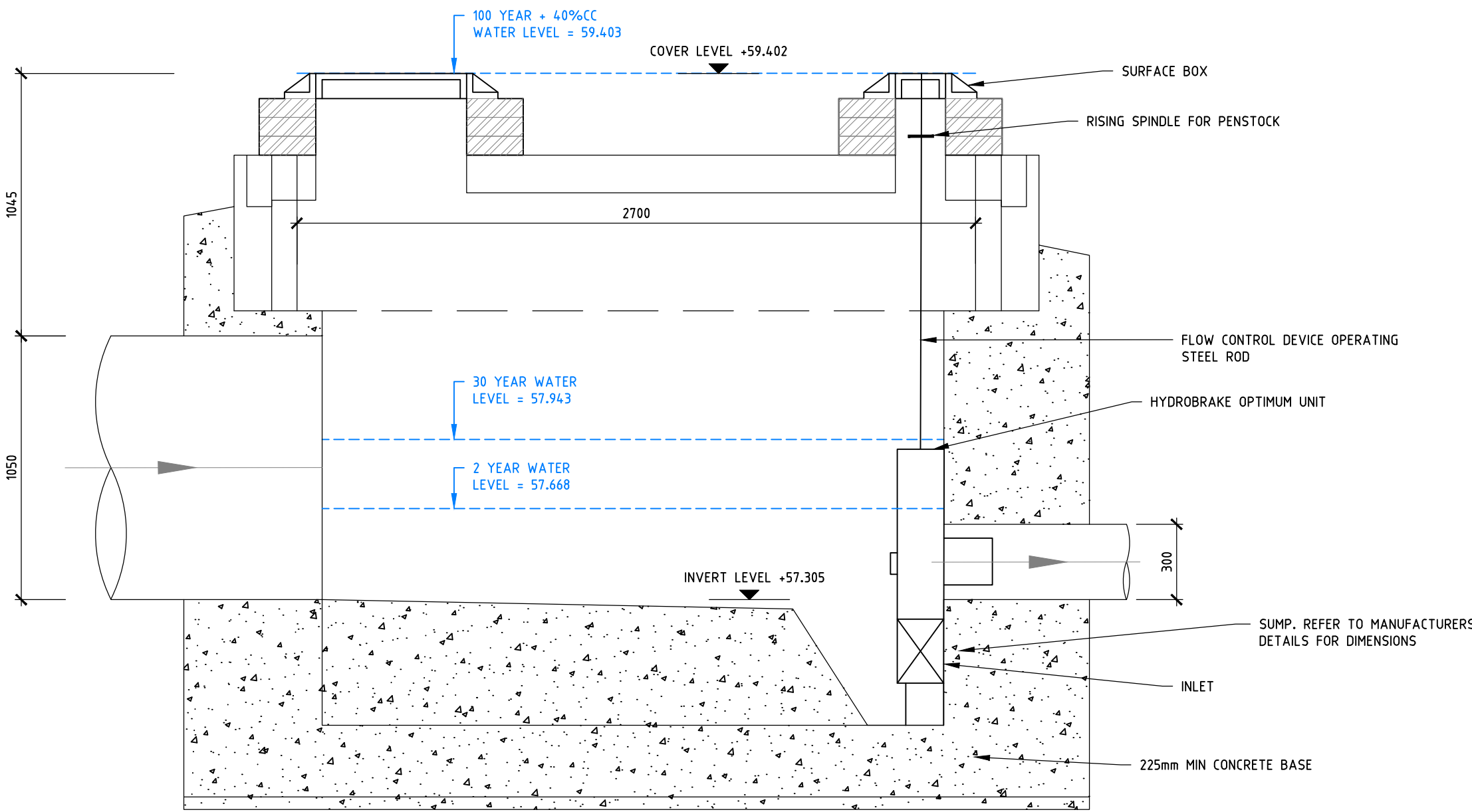




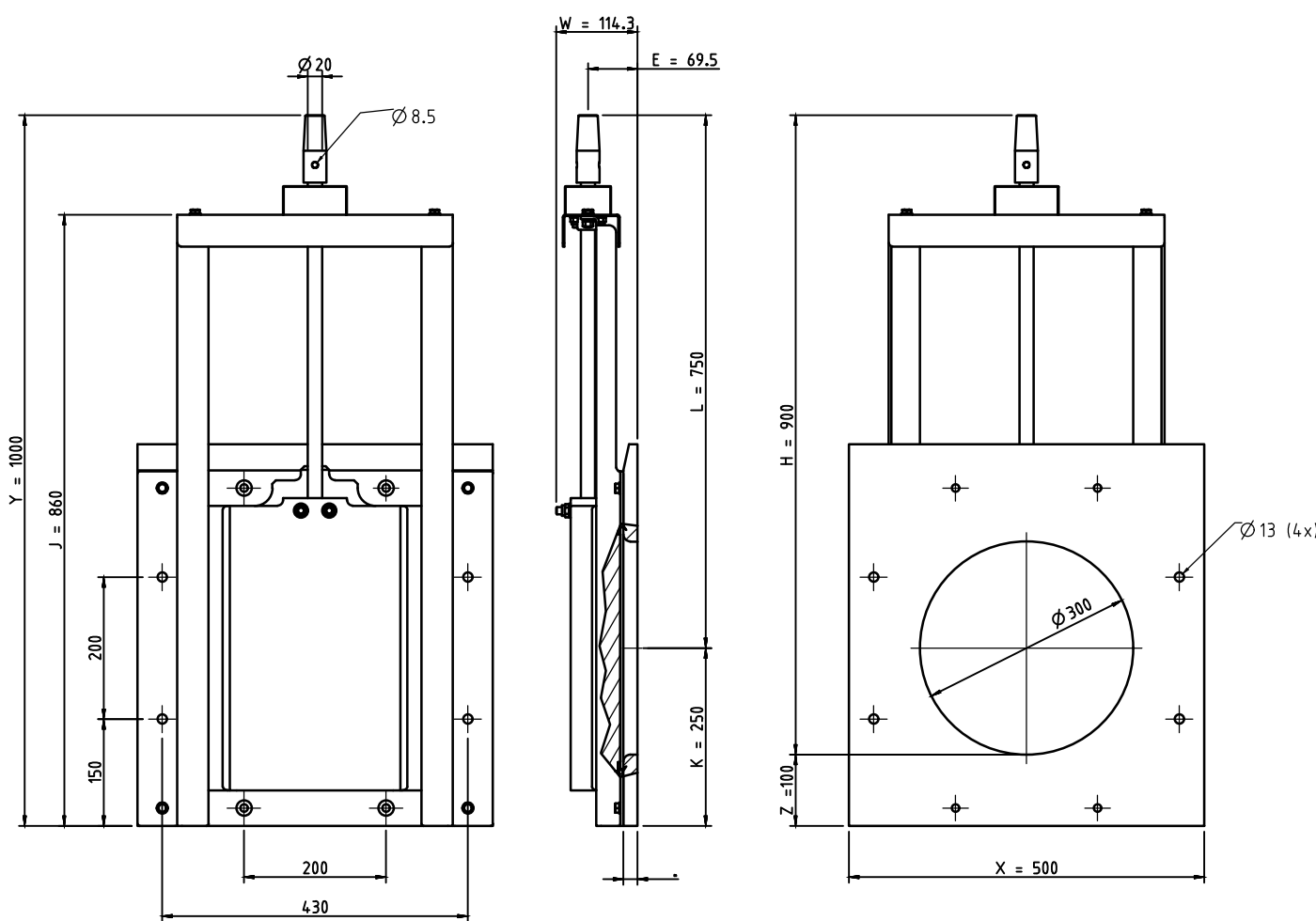
MANHOLE SW3 HYDROBRAKE
COVER LEVEL: 59.402
INVERT LEVEL: 1050mm 57.305
300mm 57.305
DEPTH TO SOFFIT: 1.045
MAHOLE TYPE: UU DETAIL 5
COVER TYPE: DOUBLE 1200 X 675 CLEAR OPENING
HYDROBRAKE SPECIFICATION: MD-SHE-0131-1000-2000-1000
ORIFICE SIZE: 13mm
DESIGN HEAD: 2.000m
DESIGN FLOW: 10.0 l/s



NOTE:
PRECAST CHAMBER RINGS SHOULD NOT BE CUT

NOTES:

- ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE V.0.2 AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
- ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES MUST BE MUST BE REPORTED IMMEDIATELY.
- PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/OR THE HIGHWAYS AUTHORITY. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
- THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 205/1991 PART 1.
- ANY PRE CAST CONCRETE PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916/2002.
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE CORRECT BEDDING, SURROUND AND BACKFILLING PROCEDURES ARE FOLLOWED FOR PVC PIPES. FOR DETAILS OF EMBEDMENT AND SURROUND FOR FLEXIBLE PIPES REFER TO UNITED UTILITIES STANDARD DETAIL STDN/05/001.
- ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917/2002.
- SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE BED AND SURROUND AS FOLLOWS: RIGID PIPE EMBEDMENT SHALL BE CLASS 5, SEM RIGID PIPE EMBEDMENT SHALL BE CLASS 5 ALL IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAIL STDN/05/001.
- ANY SEWER FOR ADOPTION WITH A COVER OF LESS THAN 1.2m TO PIPE SOFFIT IN ROADS OR 0.9m TO PIPE SOFFIT IN FIELDS WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
- PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
- THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
- WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTILAGE OF THE DWELLING FOR WHICH THEY SERVE.
- THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
- CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104. APPROVAL GRANTED BY UNITED UTILITIES.
- CONNECTIONS TO THE EXISTING WATERCOURSE WILL BE IN ACCORDANCE WITH APPROVAL GRANTED BY THE EA.



300mm ASA Manhole & Hydrobrake Penstock
Materials:
Structural: HDPE, Aisi316
Nut: Bronze RG12
Seals: Neoprene
Weight: 21.1kg
Max load - on/off seating: 5m/w from bottom of opening (B.L.L.)
No. of chemical anchors M8: 4 pce
No. of hammerset anchors M10: 4 pce
Bore shaft and 20mm
Conical socket removed when using spindle extension
NOTES:
All dimensions in mm
All measurements ± 1mm
Scale: 1:10

P02 10.05.23 Updated as per comments		H.S. R.A.
P01 30.11.22 PRELIMINARY - Issued for Information		A.R. M.A.
Rev	Date	Description
Project Name		By
COLLYHURST VILLAGE		CHK
Client		
DEX CONSTRUCTION		
Designed	Drawn	Checked
A.R.	A.R.	M.A.
Drawing Title		Scale @ A1
SW3 HYDROBRAKE DETAILS		1:20
Project No.		
221625		
Drawing No.		
221625-EDGE-XX-XX-DR-C-2101		
Revision		
P02		

Manchester . UK
3rd Floor, Cornavan Court,
12 Blackfriars Street,
Manchester, M3 9BQ,
United Kingdom
T: +44 (0) 161 834 1938
E: manchester@edgece.com

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CONSULTING
ENGINEERS
www.edgece.com

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