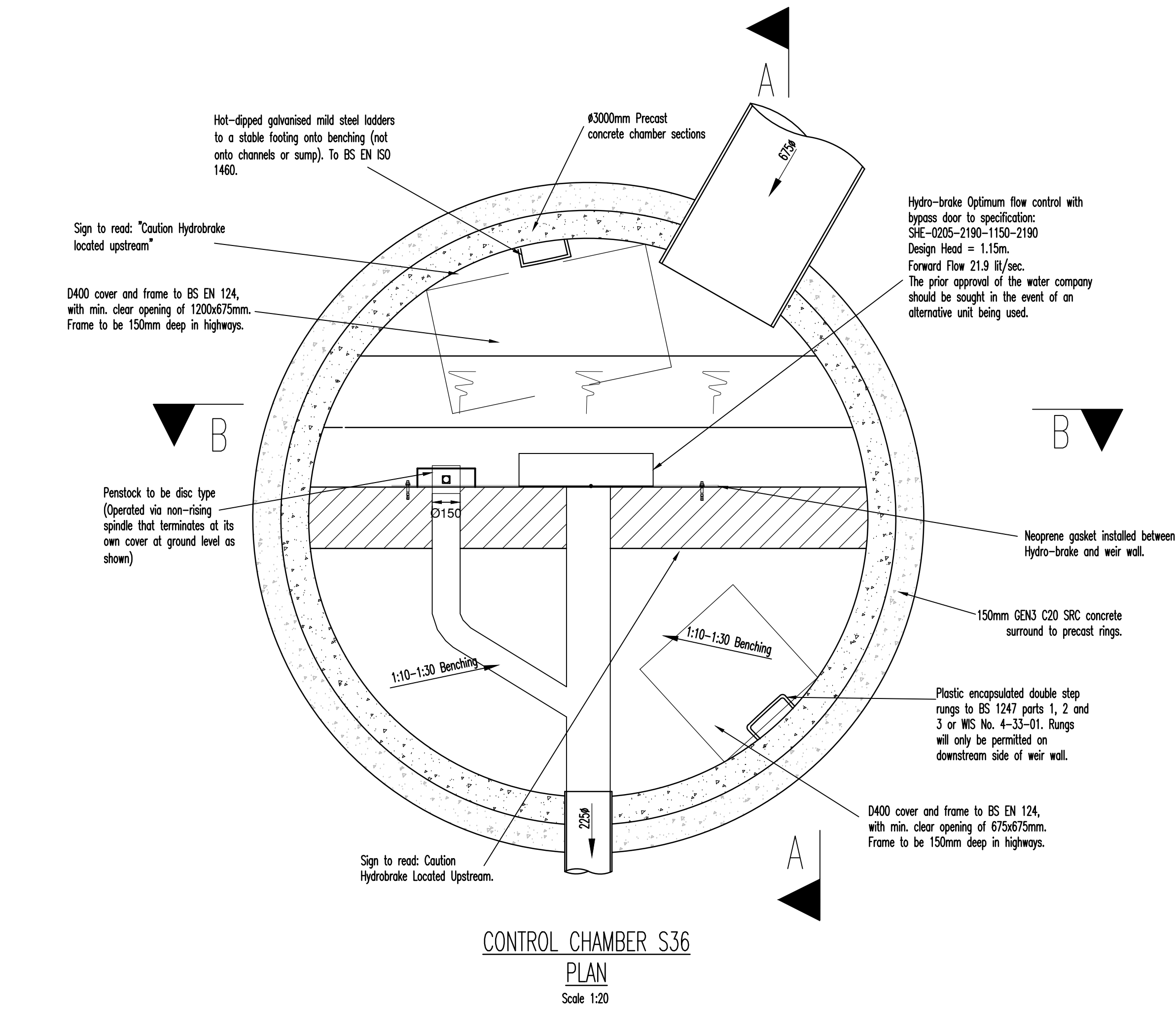
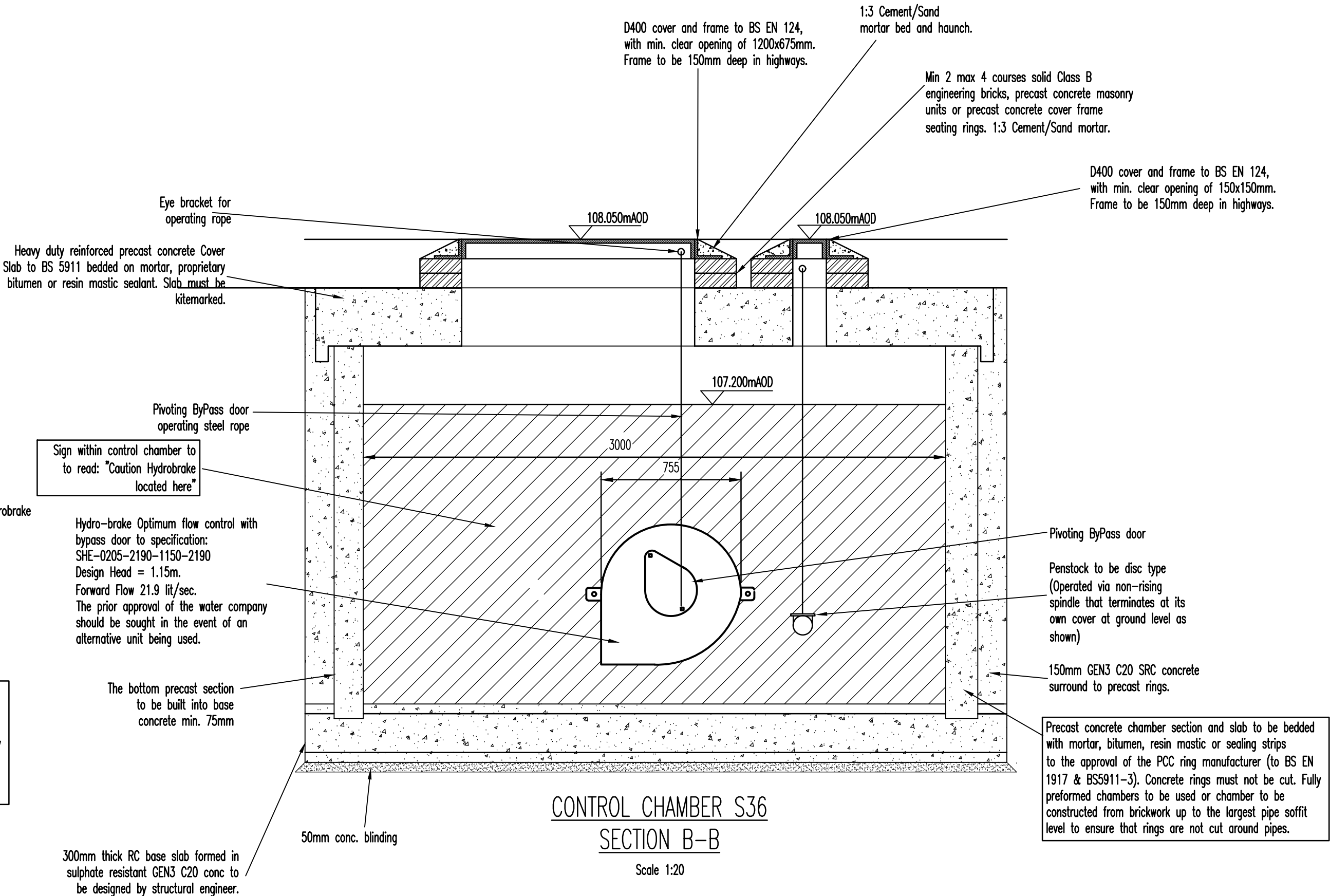
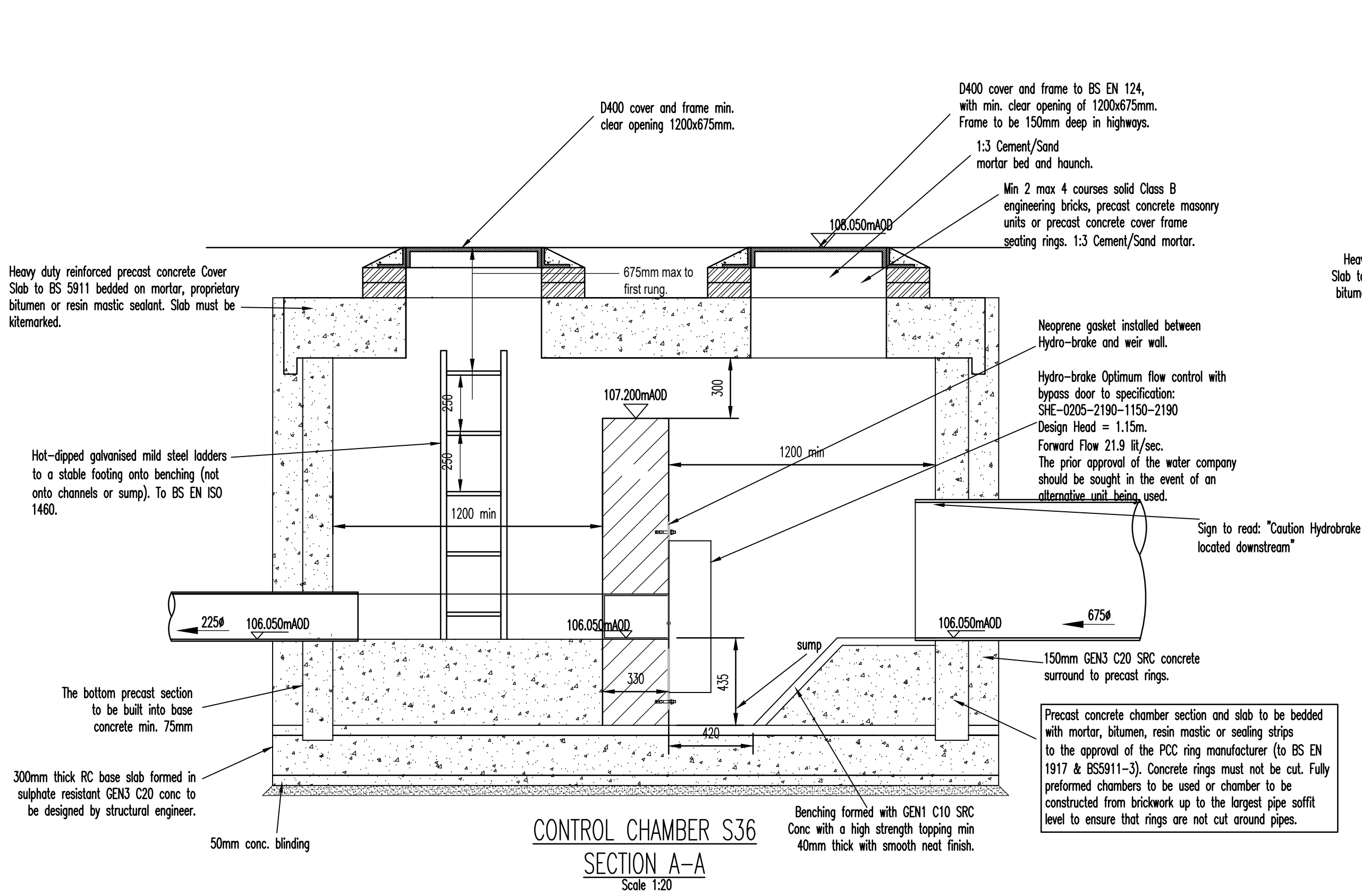


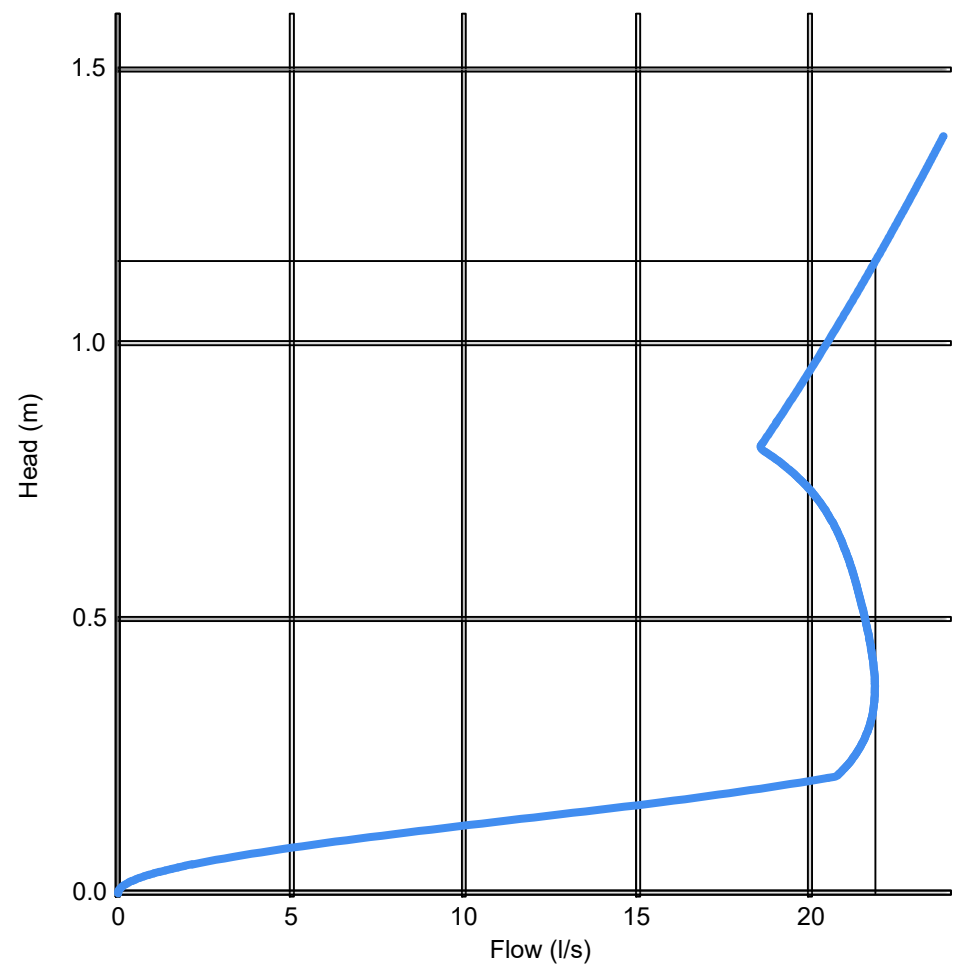


Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.150	21.900
Flush-Flo	0.373	21.886
Kick-Flo®	0.809	18.527
Mean Flow		18.587



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Head (m)	Flow (l/s)
0.000	0.000
0.040	1.253
0.079	4.634
0.119	9.454
0.159	14.811
0.198	19.391
0.238	21.158
0.278	21.563
0.317	21.788
0.357	21.879
0.397	21.873
0.436	21.799
0.476	21.683
0.516	21.540
0.555	21.377
0.595	21.190
0.634	20.962
0.674	20.666
0.714	20.264
0.753	19.707
0.793	18.941
0.833	18.784
0.872	19.203
0.912	19.613
0.952	20.013
0.991	20.405
1.031	20.789
1.071	21.166
1.110	21.536
1.150	21.899

DESIGN ADVICE

The head/flow characteristics of this SHE-0205-2190-1150-2190 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.

The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.



DATE	25/10/2022 08:11	SHE-0205-2190-1150-2190
Site	Lutterworth Road, Burbage	
DESIGNER	Matt Leask	Hydro-Brake Optimum®
Ref	PJS 21-065	

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General Notes

- Do not scale this drawing. If in doubt, ask.
- This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
- All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the Engineer immediately.
- Control chamber to be constructed in accordance with Severn Trent Water specification and DCG (The Code).
- Hydro-Brake Optimum control or similar approved. To be installed as per manufacturer's instructions.

D	10/11/23	Incoming pipe size updated	DC	TN
C	07/11/23	Bypass pipe removed	TN	TN
B	10/01/22	Step rungs changed to ladder on upstream side of weir wall	ML	ML
A	15/12/22	Updated to suit approval application comments.	SS	ML
Rev	Date	Amendments	By	CHK

Client

Davidsons Homes

Project

Lutterworth Road, Burbage

Drawing Title

Control Chamber

PJS CONSULTING ENGINEERS		Delivering Innovative Solutions	
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Client			
Davidsons Homes			
Project			
Lutterworth Road, Burbage			
Drawing Title			
Control Chamber			
Drawn	Checked	Status	Scale
Initial	ML	TN	Approval
Date	25/10/22	25/10/22	1:20
Project Number	Drawing Number	Revision	
PJS21-065	DR-911	D	