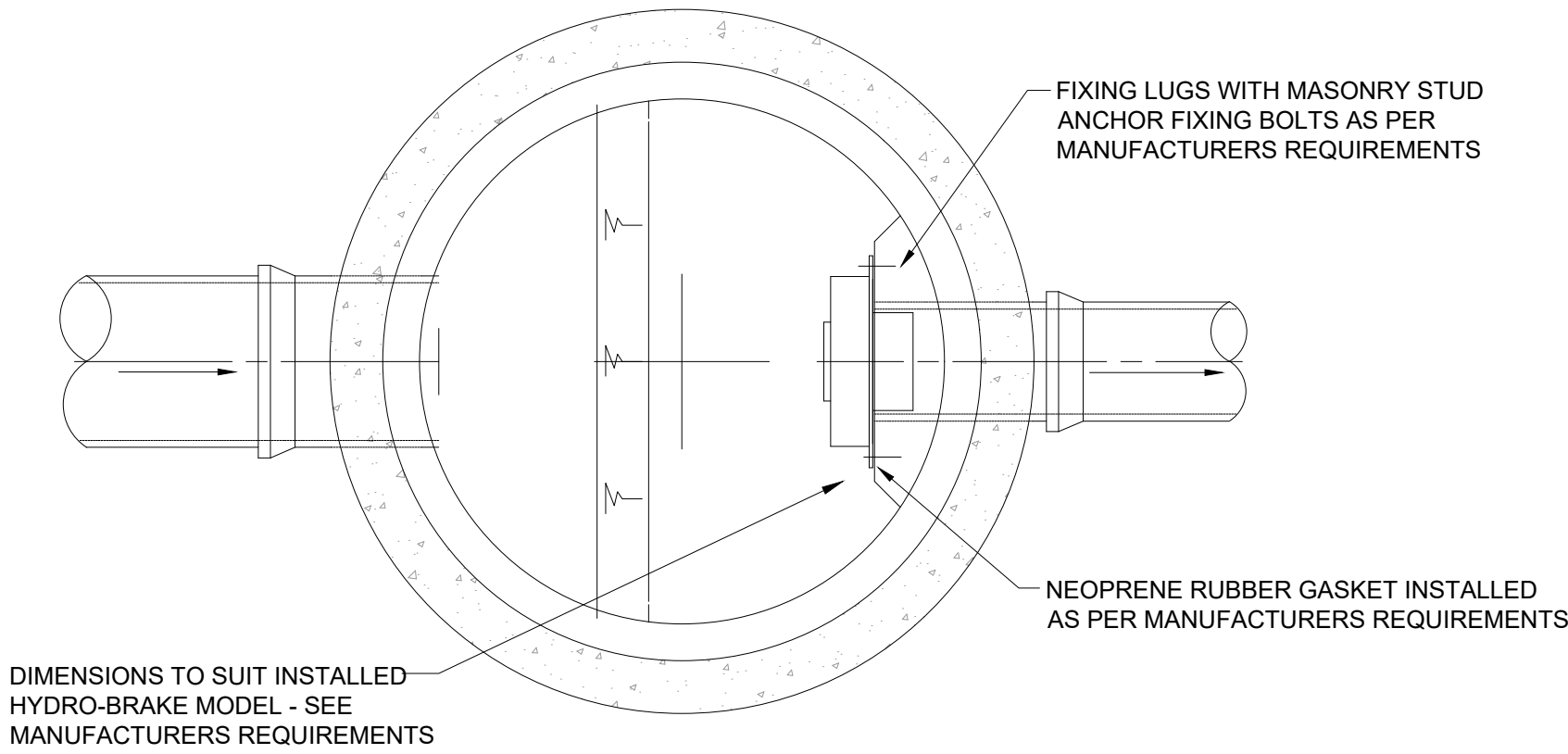
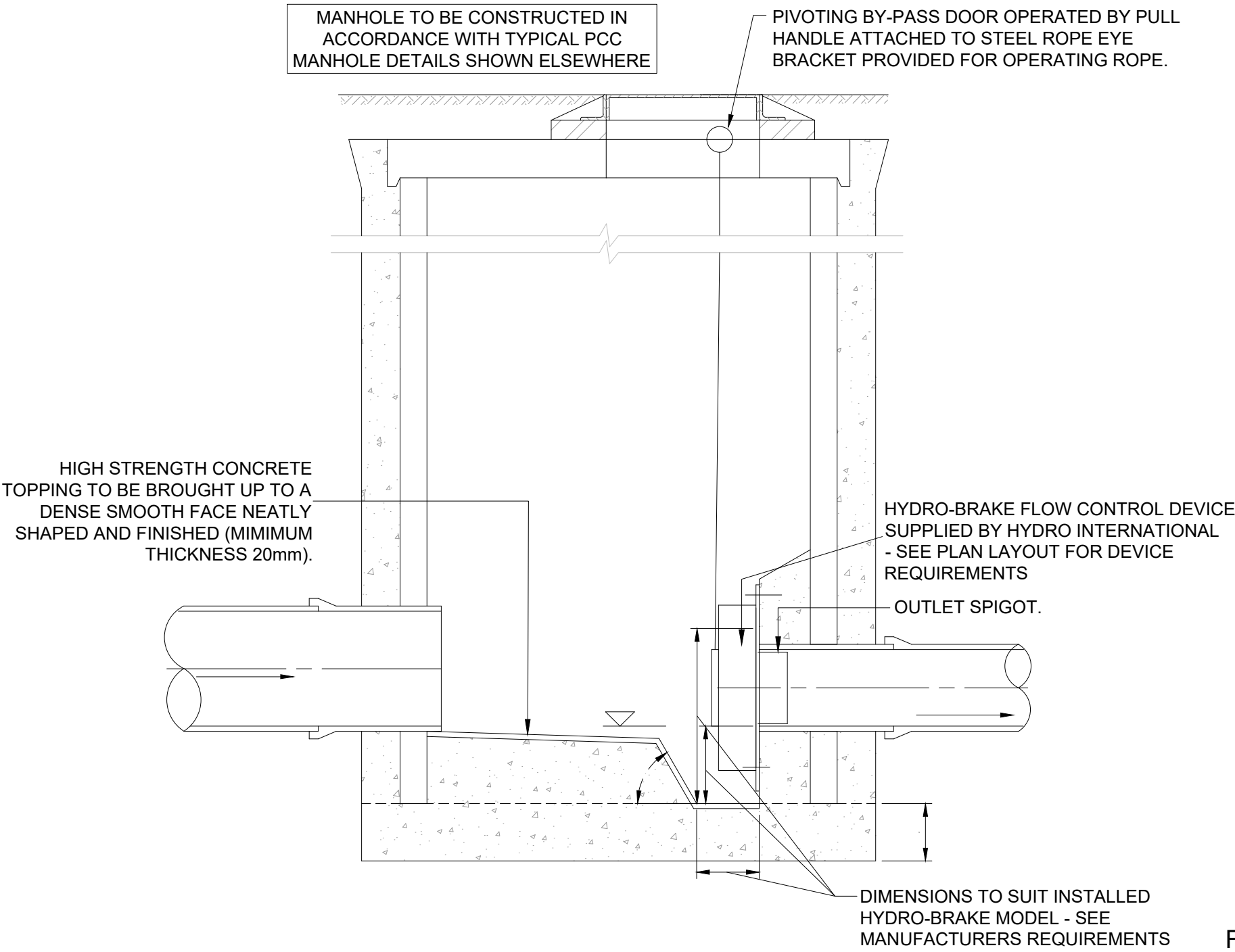
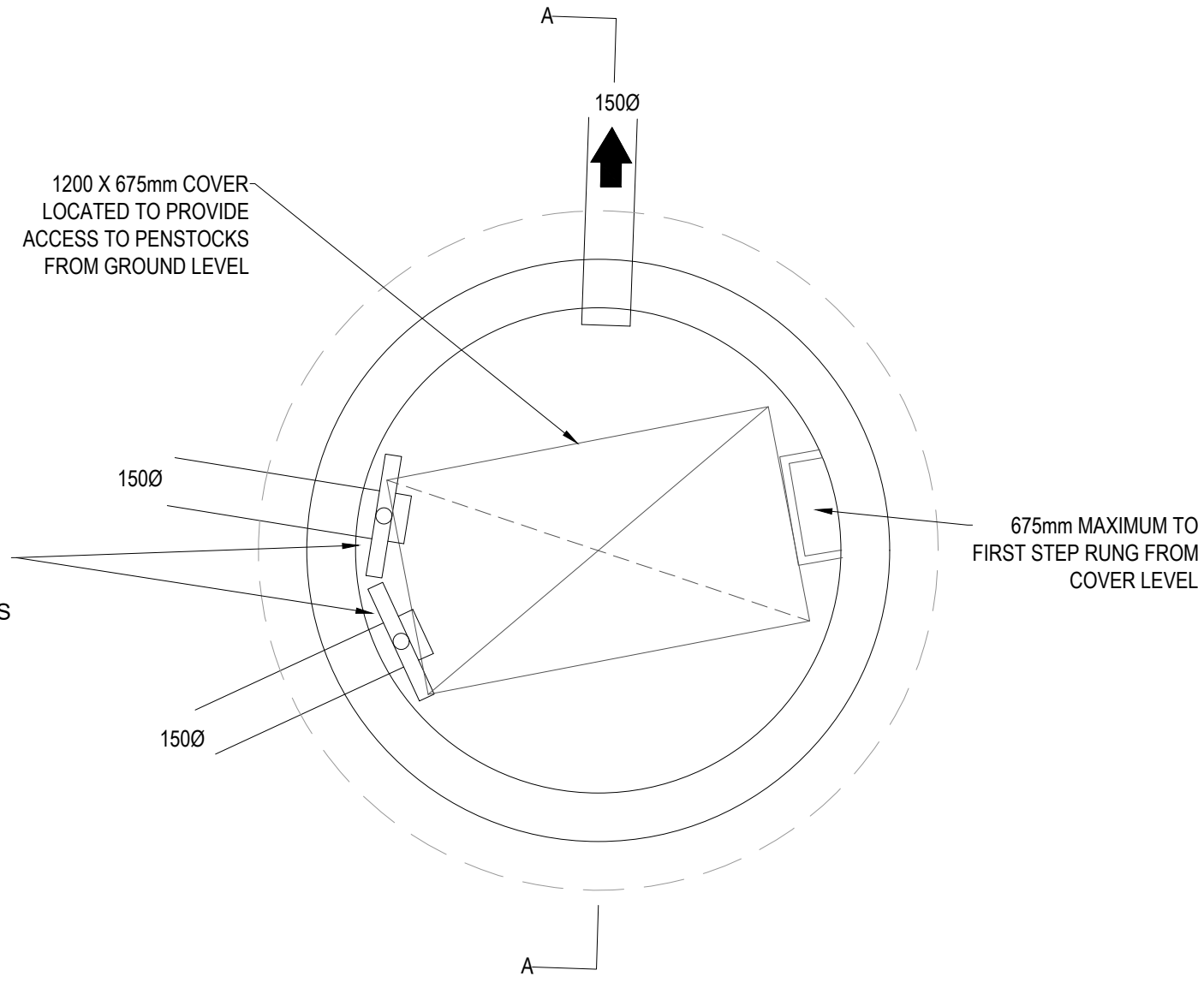


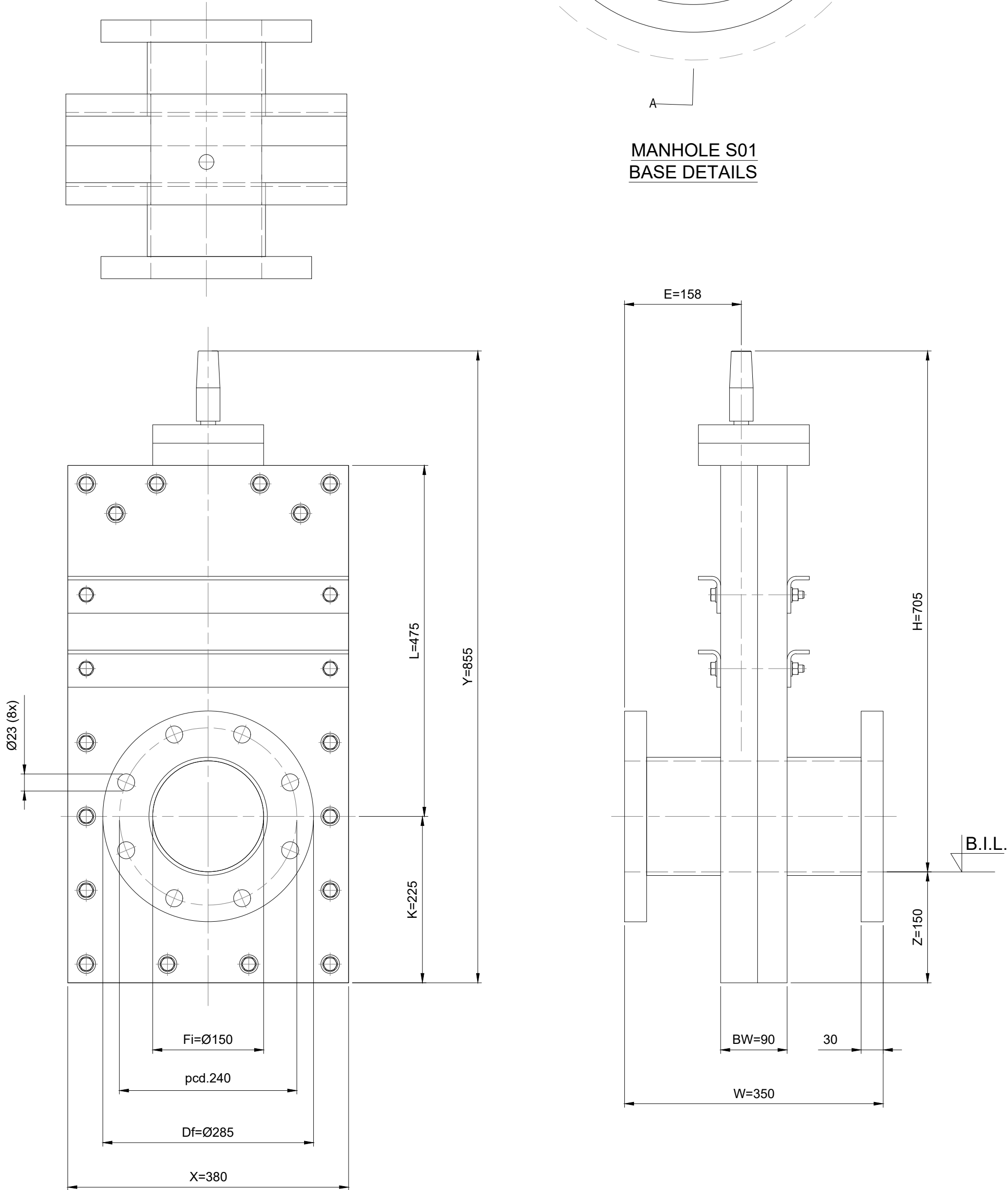


FLOW CONTROL MANHOLE (HYDRO-BRAKE)

INLINE PENSTOCK PLA 150 F OR SIMILAR APPROVED. REFER TO MANUFACTURER'S DETAILS FOR FISING REQUIREMENTS

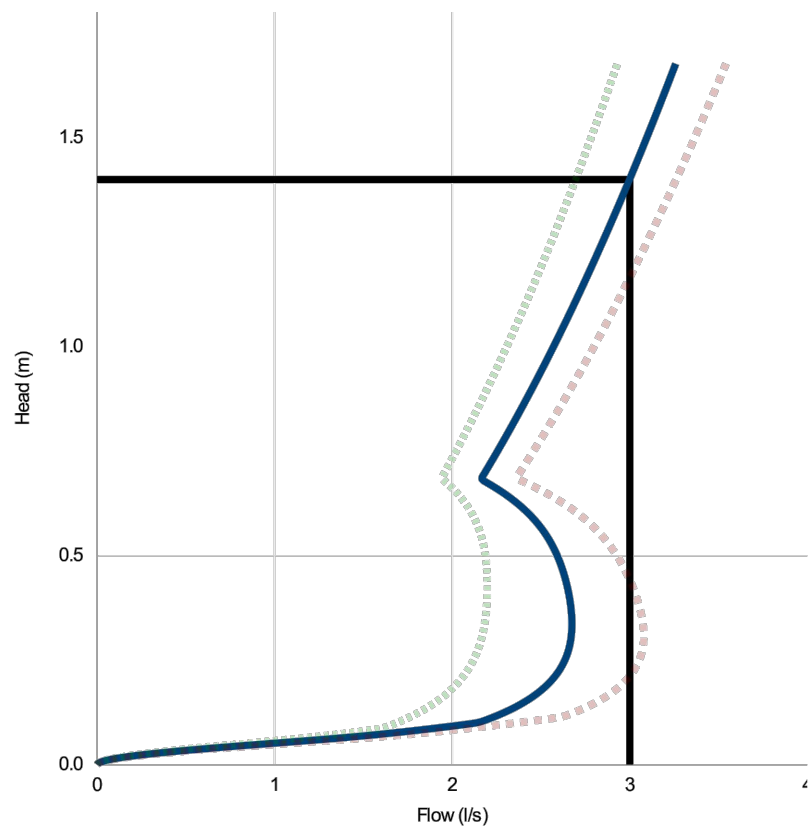


MANHOLE S01 BASE DETAILS



INLINE PENSTOCK PLA 150 F DETAILS

Technical Specification						
	Original Setting		Minimum Setting		Maximum Setting	
Control Point	Head (m)	Flow (l/s)	Head (m)	Flow (l/s)	Head (m)	Flow (l/s)
Primary Design	1.400	3.000	1.400	2.695	1.400	3.261
Flush-Flo™	0.337	2.674	0.425	2.198	0.308	3.079
Kick-Flo®	0.682	2.160	0.684	1.938	0.684	2.358
Mean Flow		2.462		2.134		2.736



Head (m)	Flow (l/s)
0.000	0.000
0.048	0.908
0.097	2.082
0.145	2.387
0.193	2.540
0.241	2.625
0.290	2.664
0.338	2.674
0.386	2.665
0.434	2.643
0.483	2.608
0.531	2.555
0.579	2.476
0.628	2.359
0.676	2.190
0.724	2.220
0.772	2.285
0.821	2.349
0.869	2.411
0.917	2.471
0.966	2.530
1.014	2.586
1.062	2.642
1.110	2.696
1.159	2.749
1.207	2.801
1.255	2.852
1.303	2.902
1.352	2.951
1.400	2.999

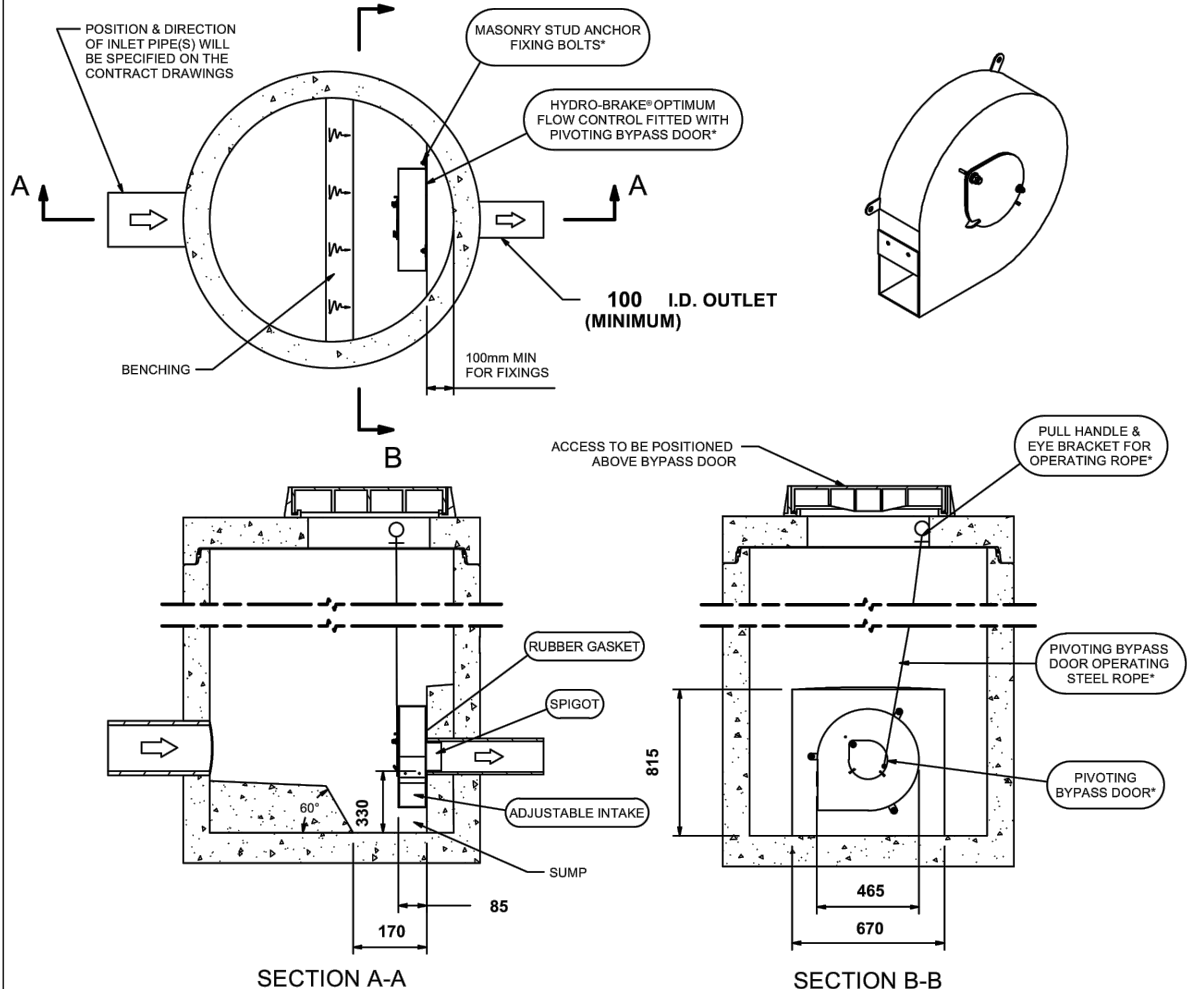
DESIGN ADVICE	The head/flow characteristics of this SHE-0077-3000-1400-3000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
DATE	19/11/2024 12:08
SITE	Generator Building
DESIGNER	Andrew Losty
Ref	NMGH-WP6



SHE-0077-3000-1400-3000
Hydro-Brake® Optimum

Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.400	3.000
Flush-Flo™	0.337	2.674
Kick-Flo®	0.682	2.160
Mean Flow		2.462

- Hydro-Brake® Optimum Flow Control including:
- 3 mm 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
 - Bead blasted finish to maximise corrosion resistance
 - Stainless steel fixings
 - Rubber gasket to seal outlet
 - Variable flow rate post installation via adjustable inlet
 - Indicative Weight: 10 kg



GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. REFER TO DRAINAGE LAYOUT NMGH-CUR-WP6-XX-D-C-92500 FOR THE LOCATION OF THE FLOW CONTROL CHAMBER.
5. FLOW CONTROL TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.
6. WHERE ALTERNATIVE FLOW CONTROL DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
7. SURFACE WATER DRAINAGE CONNECTION SUBJECT TO S106 AGREEMENT WITH UNITED UTILITIES

P01	STAGE 3 ISSUE	22/11/24	ATL	AR
Rev:	Description:	Date:	By:	Chkd:

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Status: **STAGE 3**

Project: **NMGH WP06**

Orig Title: **WP06 DRAINAGE DETAILS SHEET 3**

Drawn By	Designed By	Checked By
ATL	ATL	AR

Date	18/11/24	Scales @ A1	NTS
Project No	Originator	Function	Spatial
Form	Discipline	Number	Revision

NMGH - CUR-WP6-XX- D - C - 92522

P01