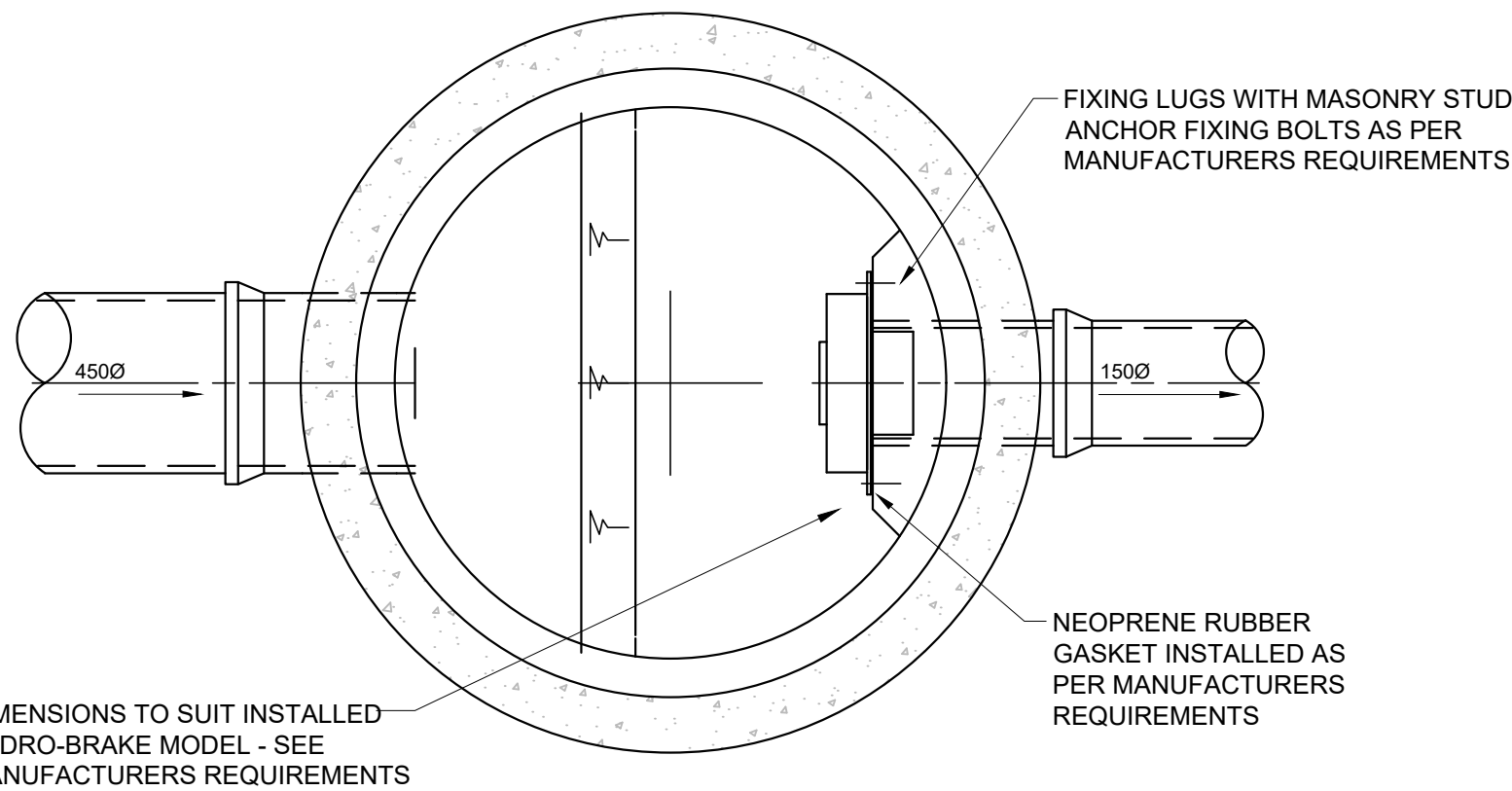
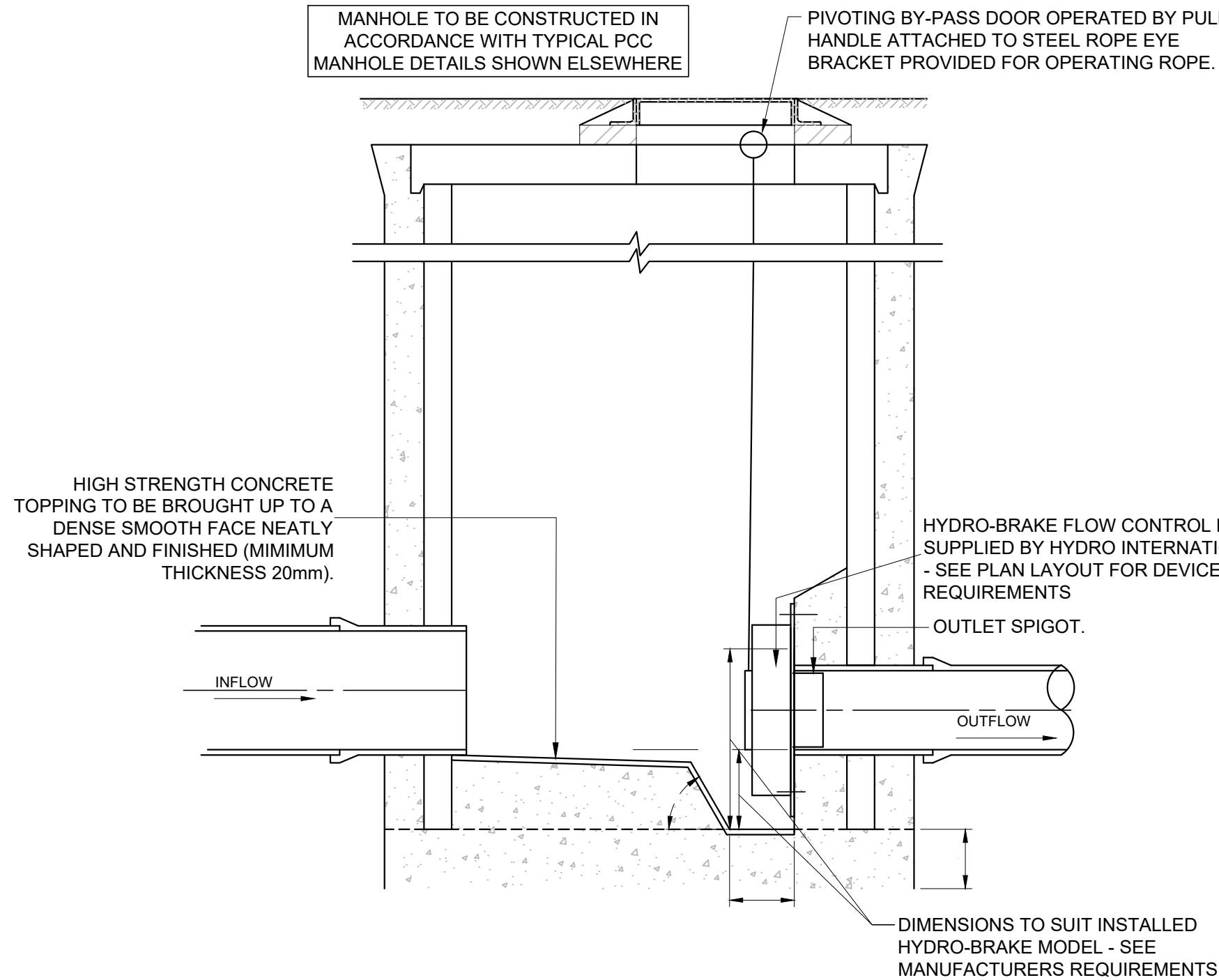
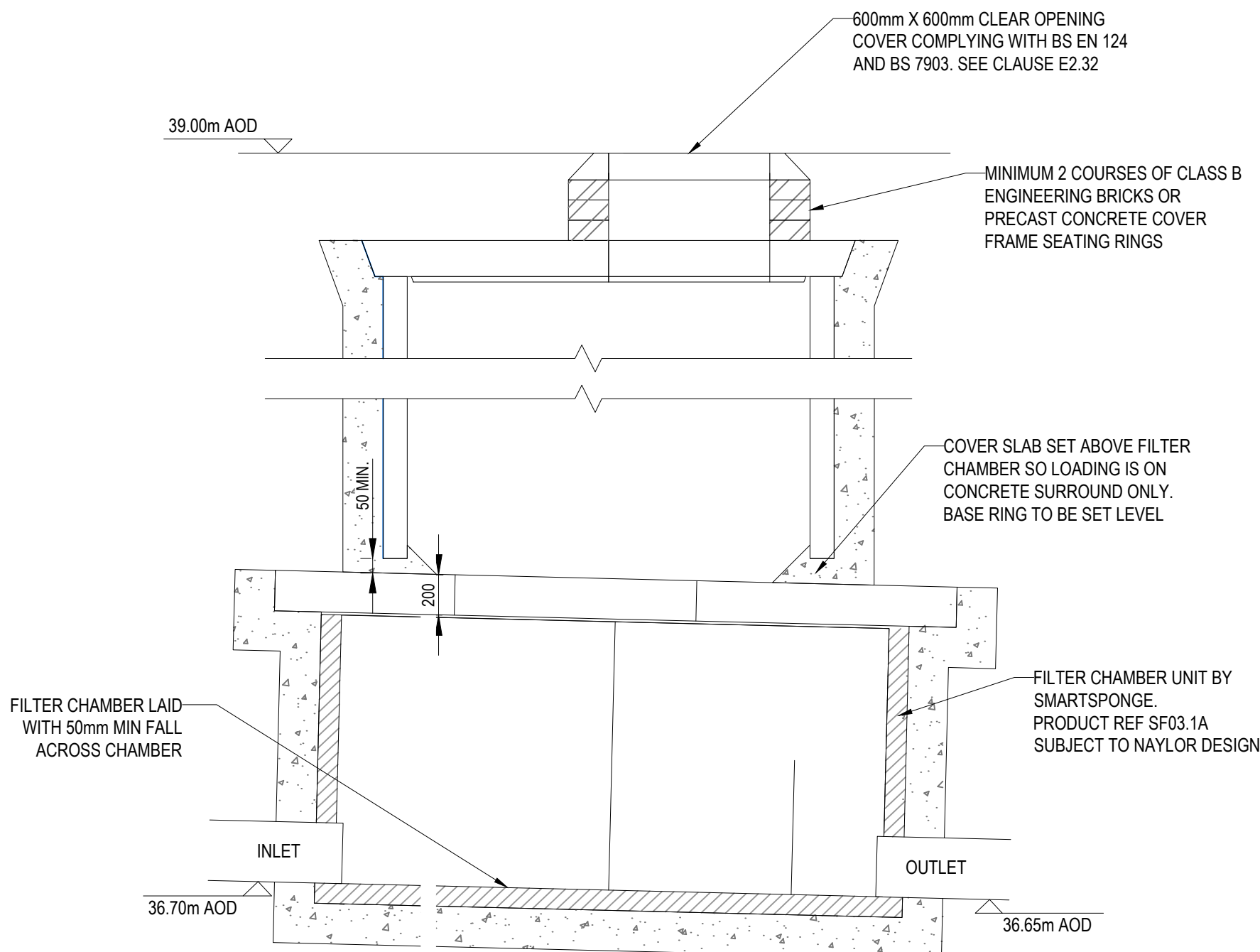
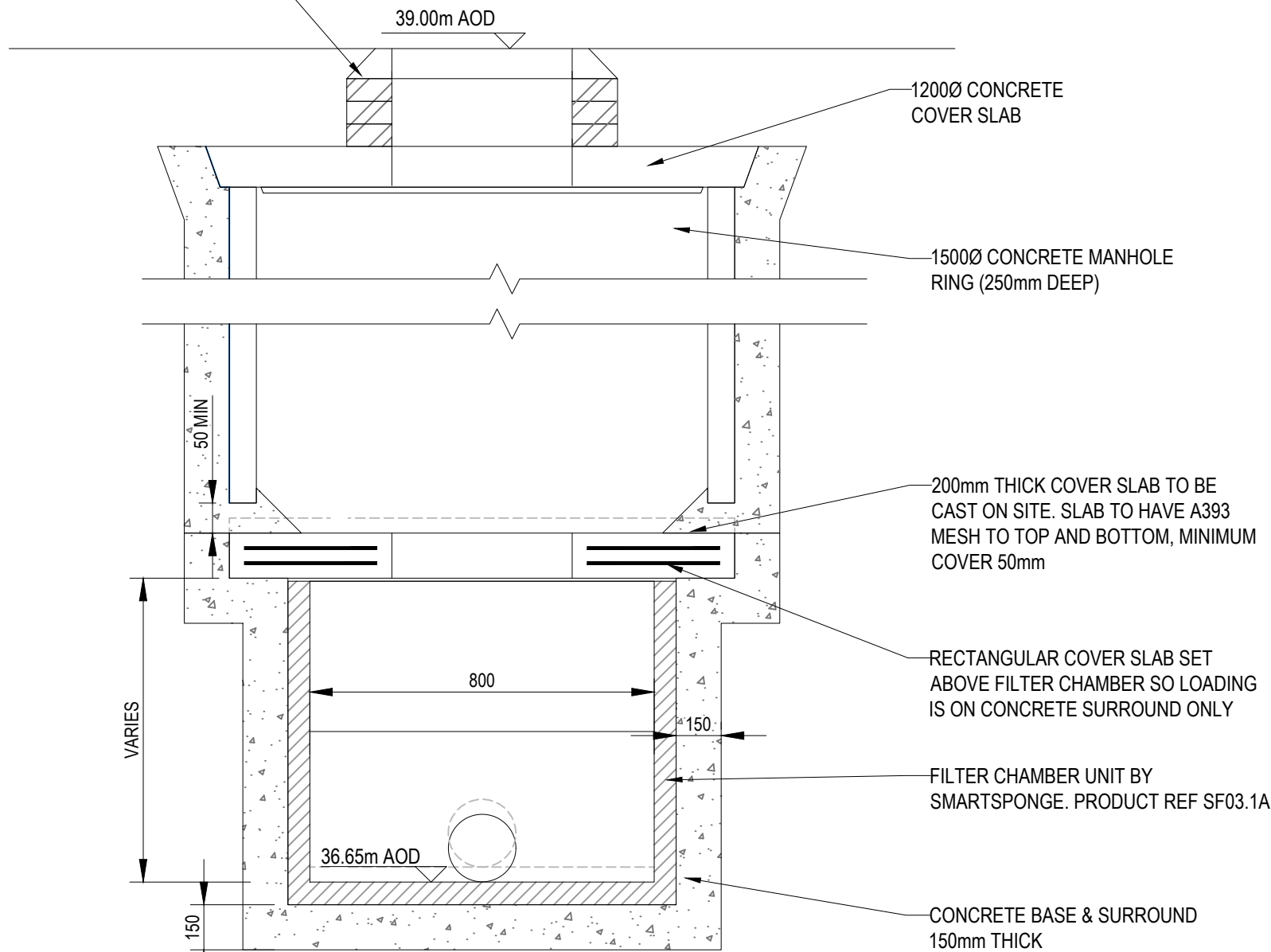




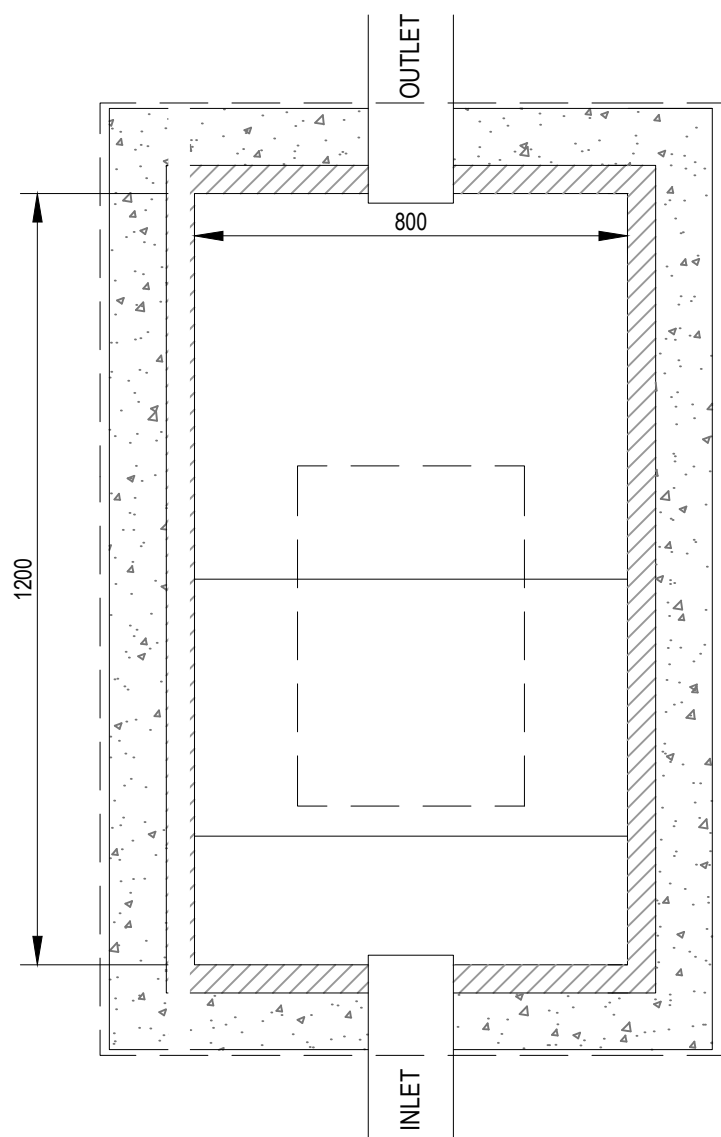
FLOW CONTROL MANHOLE
(HYDRO-BRAKE) SW7



TYPICAL SECTION ON FILTER
CHAMBER



TYPICAL SECTION ON FILTER
CHAMBER



PLAN ON FILTER CHAMBER

GENERAL NOTES:

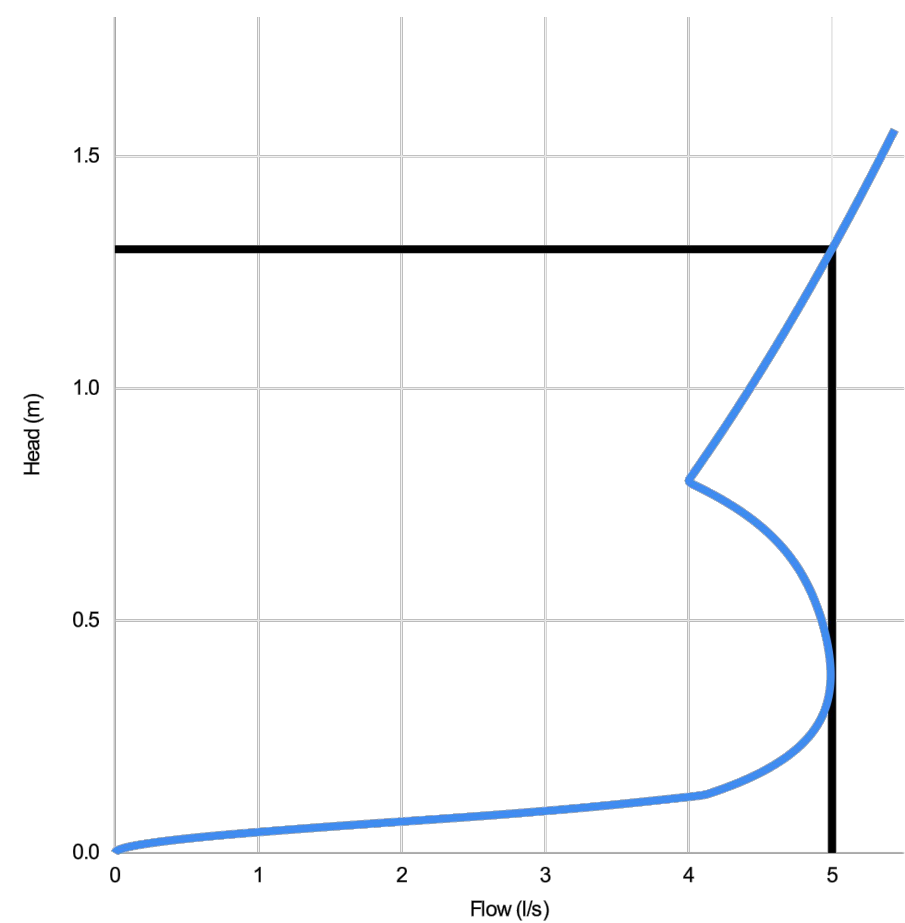
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
9. FOR FULL DRAINAGE NOTES REFER TO DWG 072071-CUR-XX-00-DR-C-90001

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.300	5.000
Flush-Flo	0.384	4.991
Kick-Flo®	0.798	3.990
Mean Flow		4.374



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Head (m)	Flow (l/s)
0.000	0.000
0.045	1.001
0.090	2.980
0.134	4.206
0.179	4.540
0.224	4.754
0.269	4.885
0.314	4.957
0.359	4.988
0.403	4.989
0.448	4.970
0.493	4.935
0.538	4.886
0.583	4.820
0.628	4.731
0.672	4.611
0.717	4.447
0.762	4.226
0.807	4.010
0.852	4.111
0.897	4.209
0.941	4.305
0.986	4.399
1.031	4.490
1.076	4.579
1.121	4.666
1.166	4.752
1.210	4.836
1.255	4.918
1.300	4.999

DESIGN ADVICE
The head/flow characteristics of this SHE-0101-5000-1300-5000 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	20/09/2021 22:28
Site	Kincardine Court
DESIGNER	Andrew Losty
Ref	500991



SHE-0101-5000-1300-5000
Hydro-Brake Optimum®

© 2018 Hydro International Ltd, Shearwater House, Clevedon Hill Estate, Victoria Road, Clevedon, BS21 7TD. Tel 01275 878371 Fax 01275 878679 Web www.hydro-int.com Email design@hydro-int.com

Technical Specification

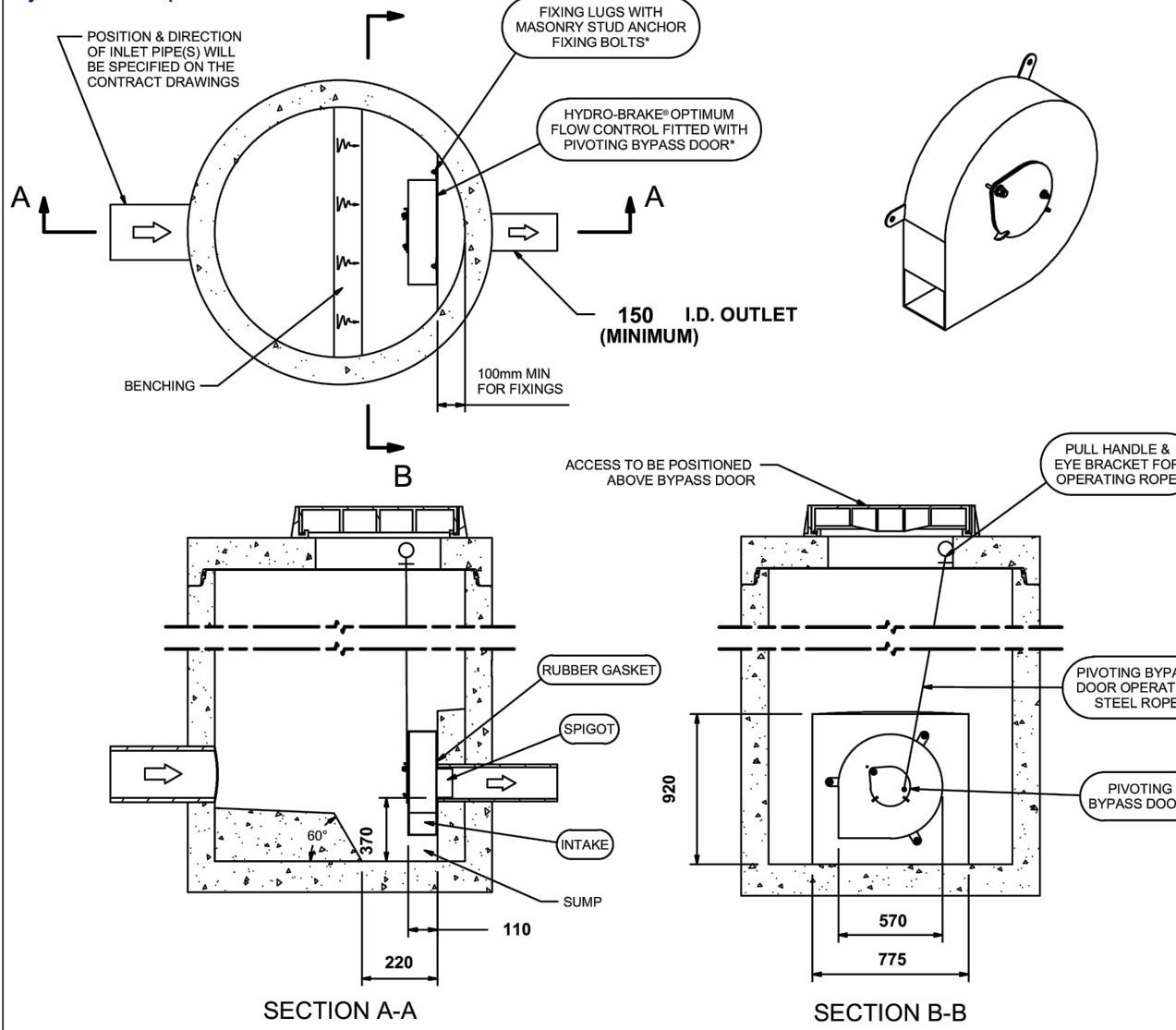
Control Point	Head (m)	Flow (l/s)
Primary Design	1.300	5.000
Flush-Flo™	0.384	4.991
Kick-Flo®	0.798	3.990
Mean Flow		4.374

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



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IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDLED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE
The head/flow characteristics of this SHE-0101-5000-1300-5000 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	9/20/2021 10:28 PM
SITE	Kincardine Court
DESIGNER	Andrew Losty
REF	500991

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SHE-0101-5000-1300-5000
Hydro-Brake® Optimum

FINAL CONSTRUCTION
THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED DRAINAGE. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED.

FC01	FINAL CONSTRUCTION ISSUE	21.09.22	ATL	ATL
C03	DRAWING NUMBER CORRECTED	23/12/21	ATL	ATL
C02	UPDATED IN LINE WITH DESIGN TEAM COMMENTS	09/11/21	ATL	ATL
C01	CONSTRUCTION ISSUE	20.09.21	ATL	MW
P01	ISSUED FOR DISCHARGE OF CONDITION	05.07.21	ATL	ATL

Rev:	Description:	Date:	By:	Chkd:
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0161 235 2384
manchester@curtins.com
www.curtins.com

STATUS: FINAL CONSTRUCTION

Project: KINCARDINE COURT

Orig Title: TYPICAL DRAINAGE DETAILS
SHEET 4

Size:	Date:	Drawn By:	Designed By:	Checked By:			
A1	05.07.21	ATL	ATL	ATL			
Scale: NTS							
Project No:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
500991 - CUR - ZZ - 00 - DR - D - 9523 FC01							