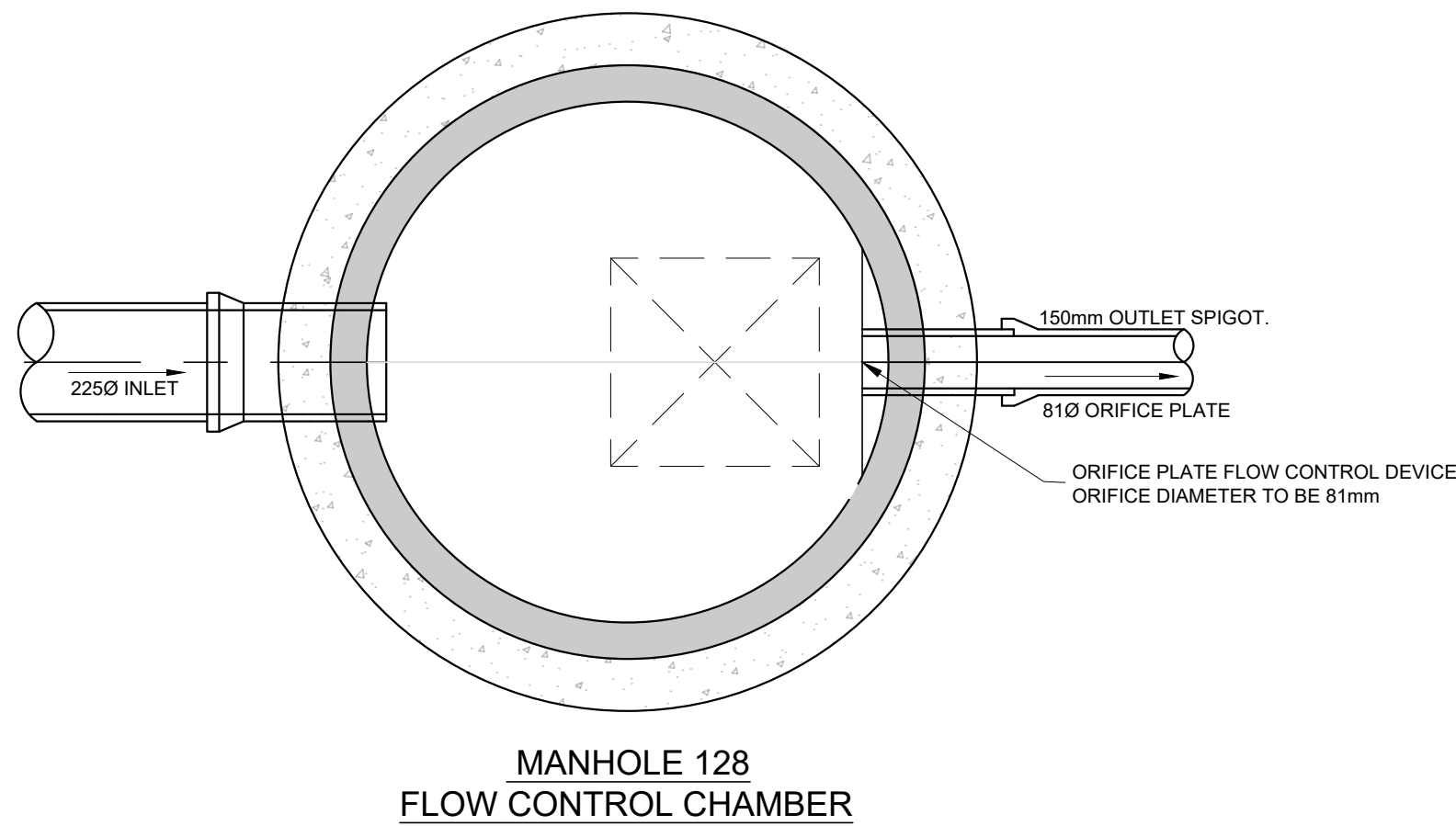
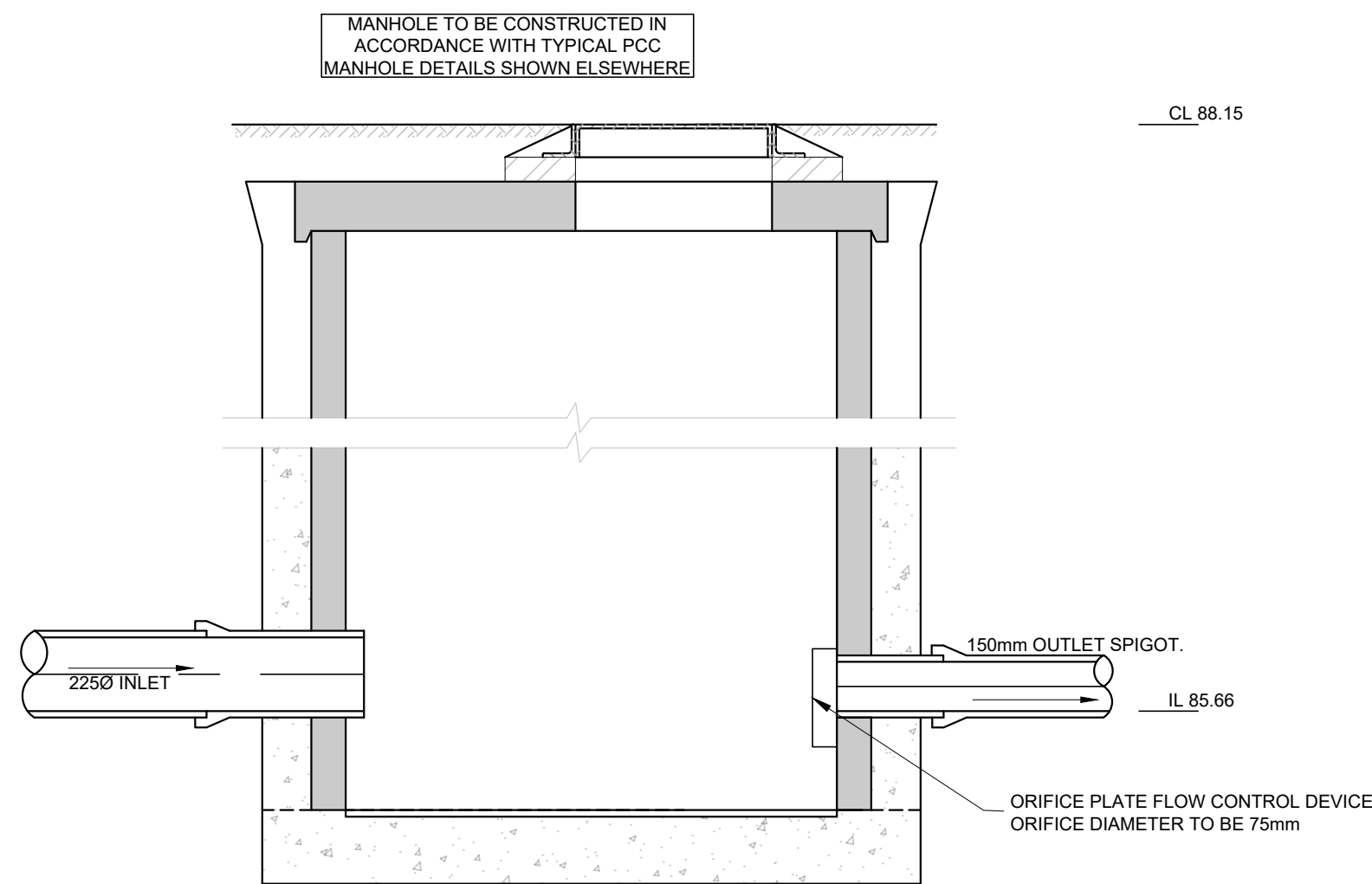
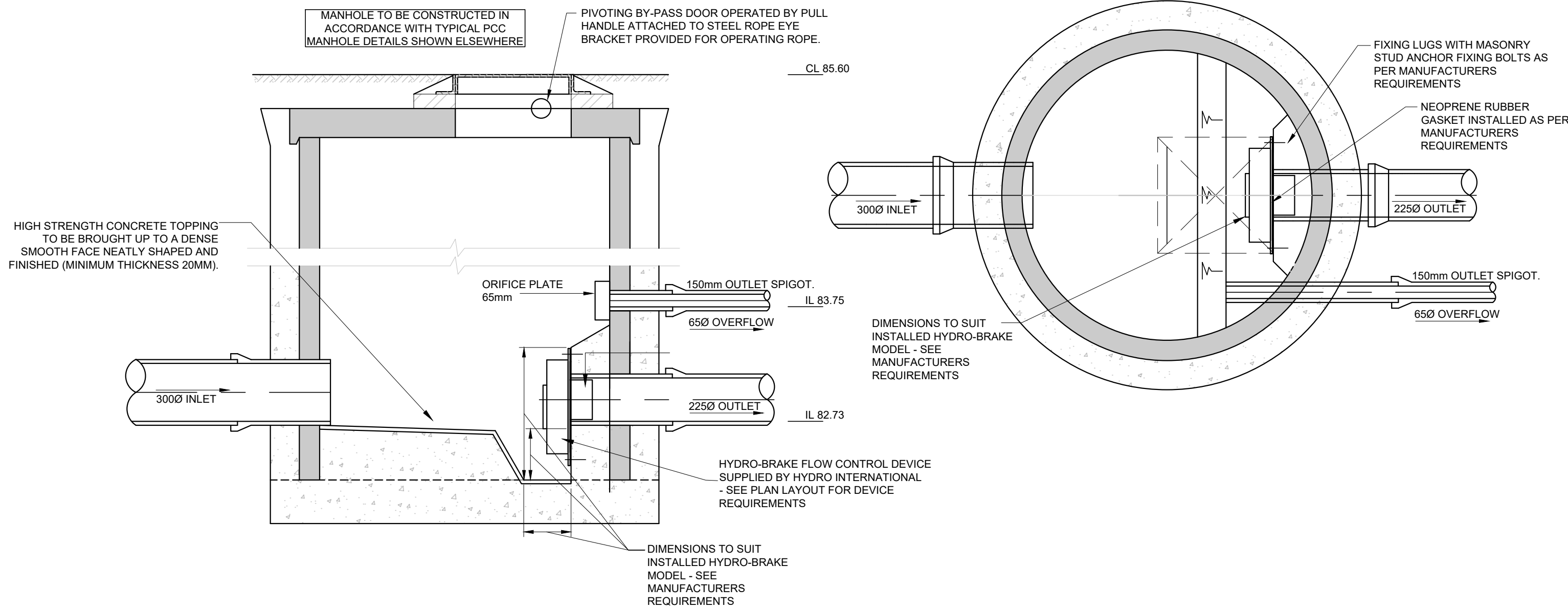




Technical Specification

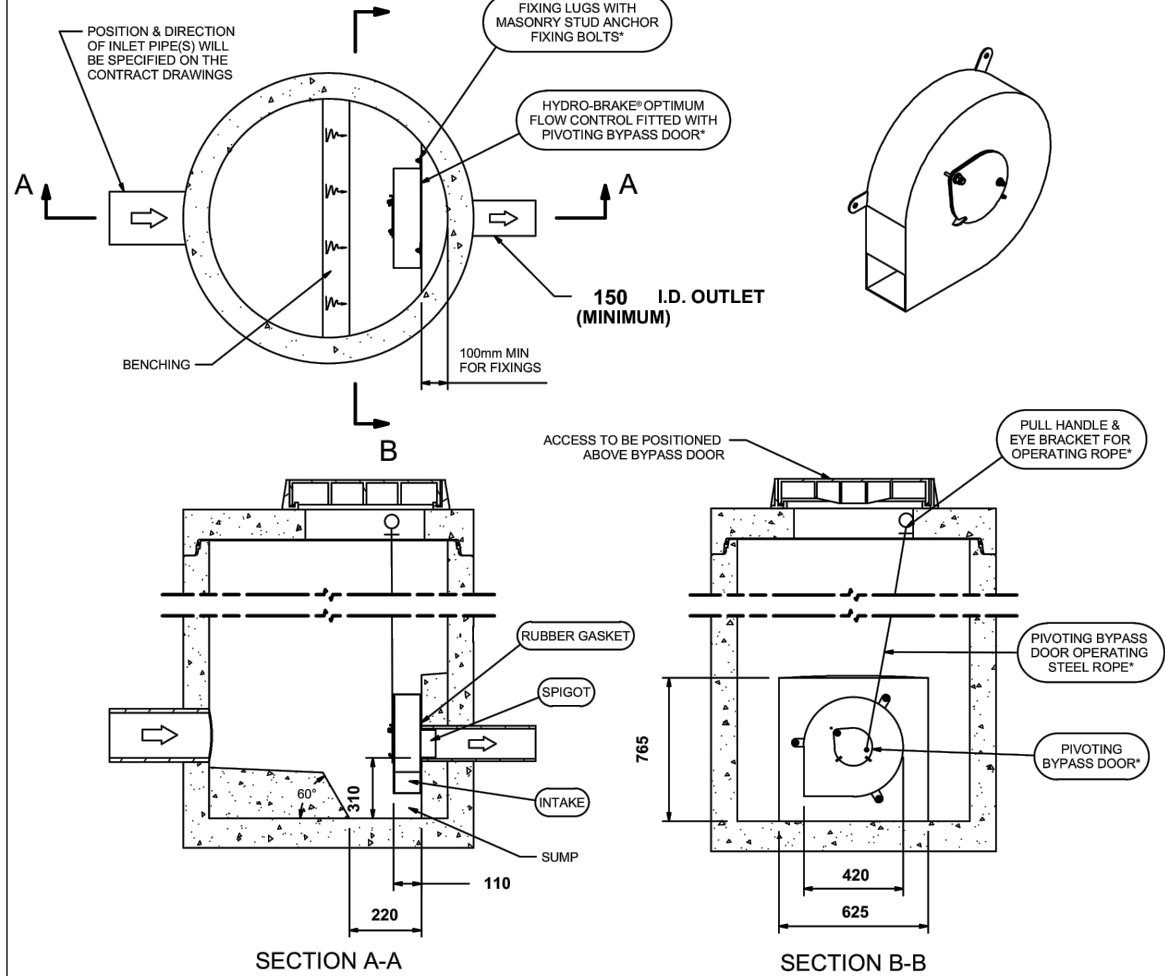
Control Point	Head (m)	Flow (l/s)
Primary Design	0.700	4.200
Flush-Flo™	0.212	4.197
Kick-Flo®	0.477	3.520
Mean Flow		3.601

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
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 83 kg



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IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY THE DEVICE WILL BE HANDED 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 headflow characteristics of this SHE-0102-4200-0700-4200 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full headflow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE 07/11/2022 08:19
SITE Oldham Road, Newton Heath
DESIGNER Charlie Smith
REF 074031

Hydro International

SHE-0102-4200-0700-4200
Hydro-Brake® Optimum

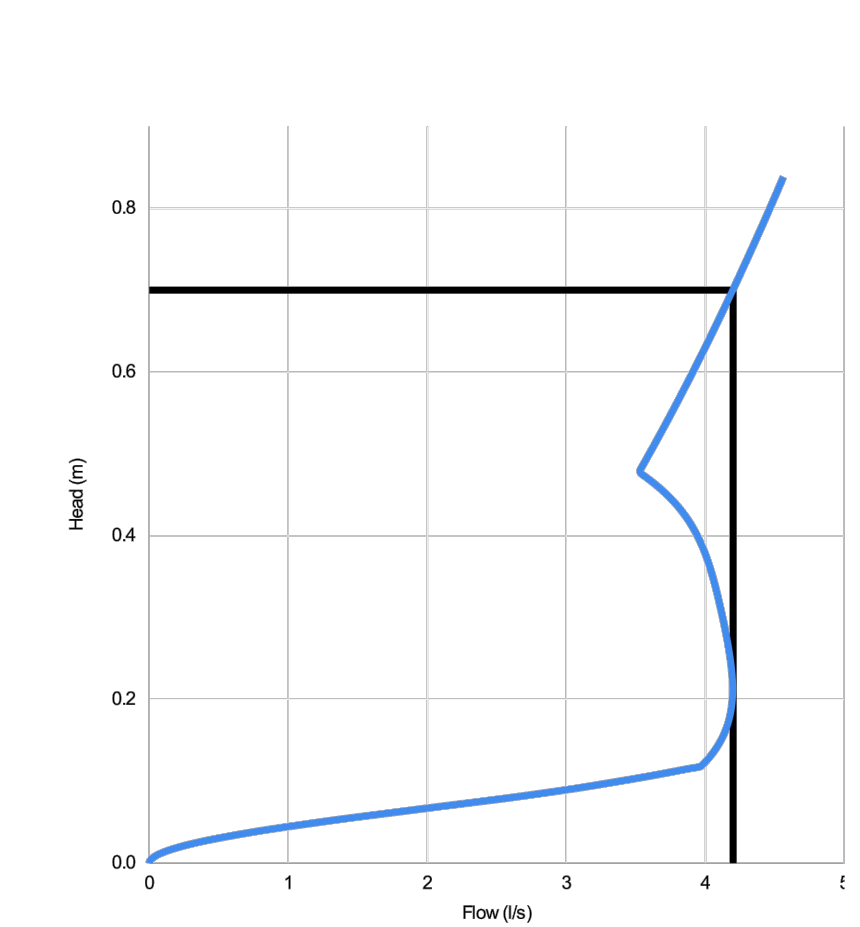
© 2022 Hydro International Ltd, Shrewsbury House, Clevedon Hall Estate, Victoria Road, Clevedon, BE21 7SD. Tel: 01275 876371 Fax: 01275 874879 Web: www.hydro-int.com Email: enquiries@hydro-int.com
charlie.smith@curtins.com

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	0.700	4.200
Flush-Flo	0.212	4.197
Kick-Flo®	0.477	3.520
Mean Flow		3.601



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Head (m)	Flow (l/s)
0.000	0.000
0.024	0.318
0.048	1.146
0.072	2.244
0.097	3.258
0.121	3.983
0.145	4.094
0.169	4.159
0.193	4.190
0.217	4.196
0.241	4.186
0.266	4.165
0.290	4.137
0.314	4.106
0.338	4.072
0.362	4.032
0.386	3.980
0.410	3.909
0.434	3.809
0.459	3.669
0.483	3.539
0.507	3.619
0.531	3.697
0.555	3.773
0.579	3.847
0.603	3.920
0.628	3.991
0.652	4.061
0.676	4.130
0.700	4.197

DESIGN ADVICE

The headflow characteristics of this SHE-0102-4200-0700-4200 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full headflow characteristic curve.

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

DATE 07/11/2022 08:19
SITE Oldham Road, Newton Heath
DESIGNER Charlie Smith
REF 074031

Hydro International

SHE-0102-4200-0700-4200
Hydro-Brake Optimum®

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MANHOLE S19
FLOW CONTROL CHAMBER

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS ARE IN MILLIMETRES.

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

C02	FINAL CONSTRUCTION	25/01/24	JC	CG
C01	ISSUED FOR CONSTRUCTION	07/11/22	CS	CG
Rev:	Description:	Date:	By:	Chkd:

Curtins

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Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kentish • Leeds • Liverpool • London • Manchester • Nottingham

Status:

CONSTRUCTION RECORD

Project:

OLDHAM ROAD, NEWTON HEATH

Dwg Title:

DRAINAGE DETAILS SHEET 5

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
074031	A1	16/11/20	AH	AH	CD
Scale:	NTS				
Project Code:	Originator:	Zone:	Level:	Type:	Discipline:
074031 - CUR - 00 - XX - DR - C -					

92524 -C02