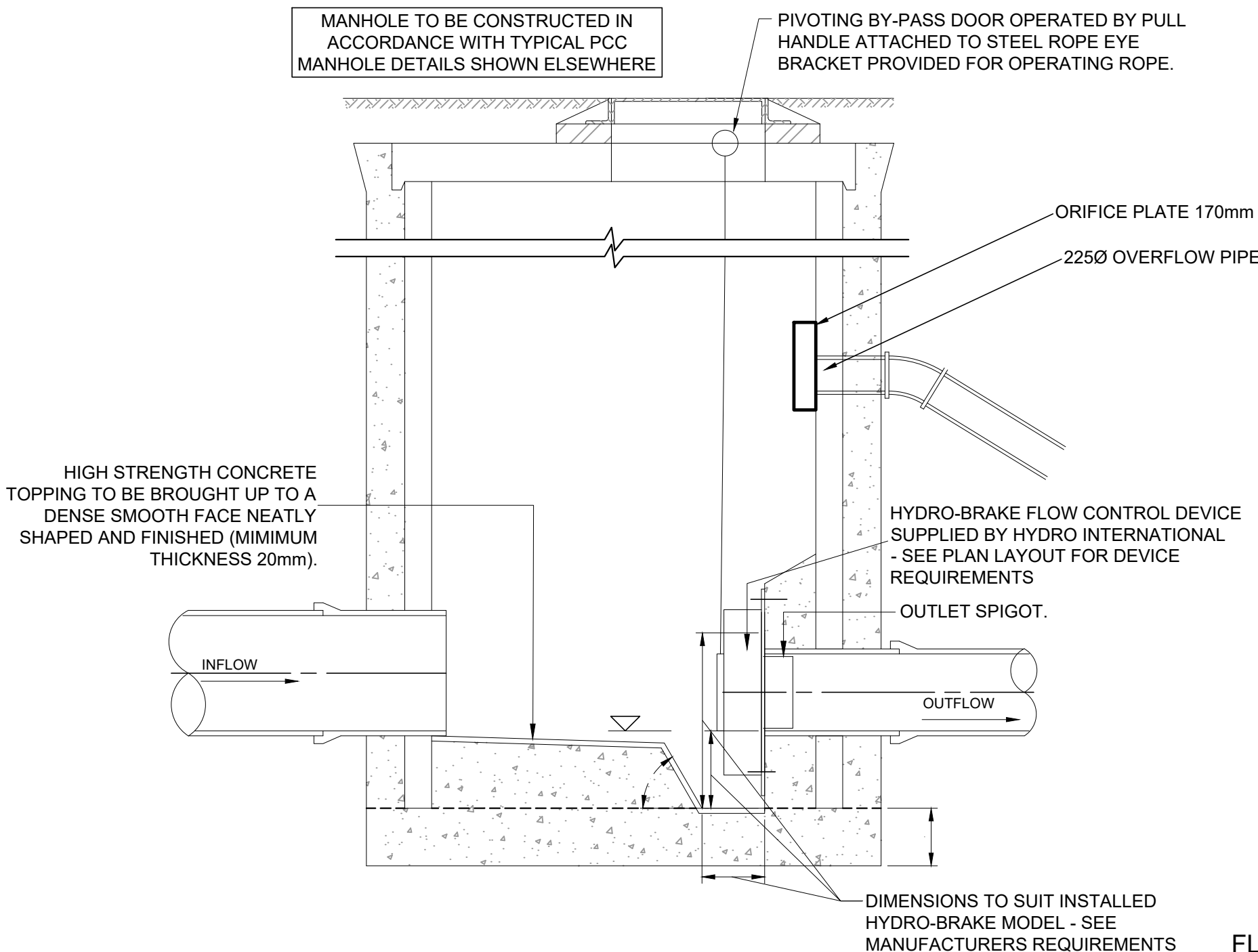
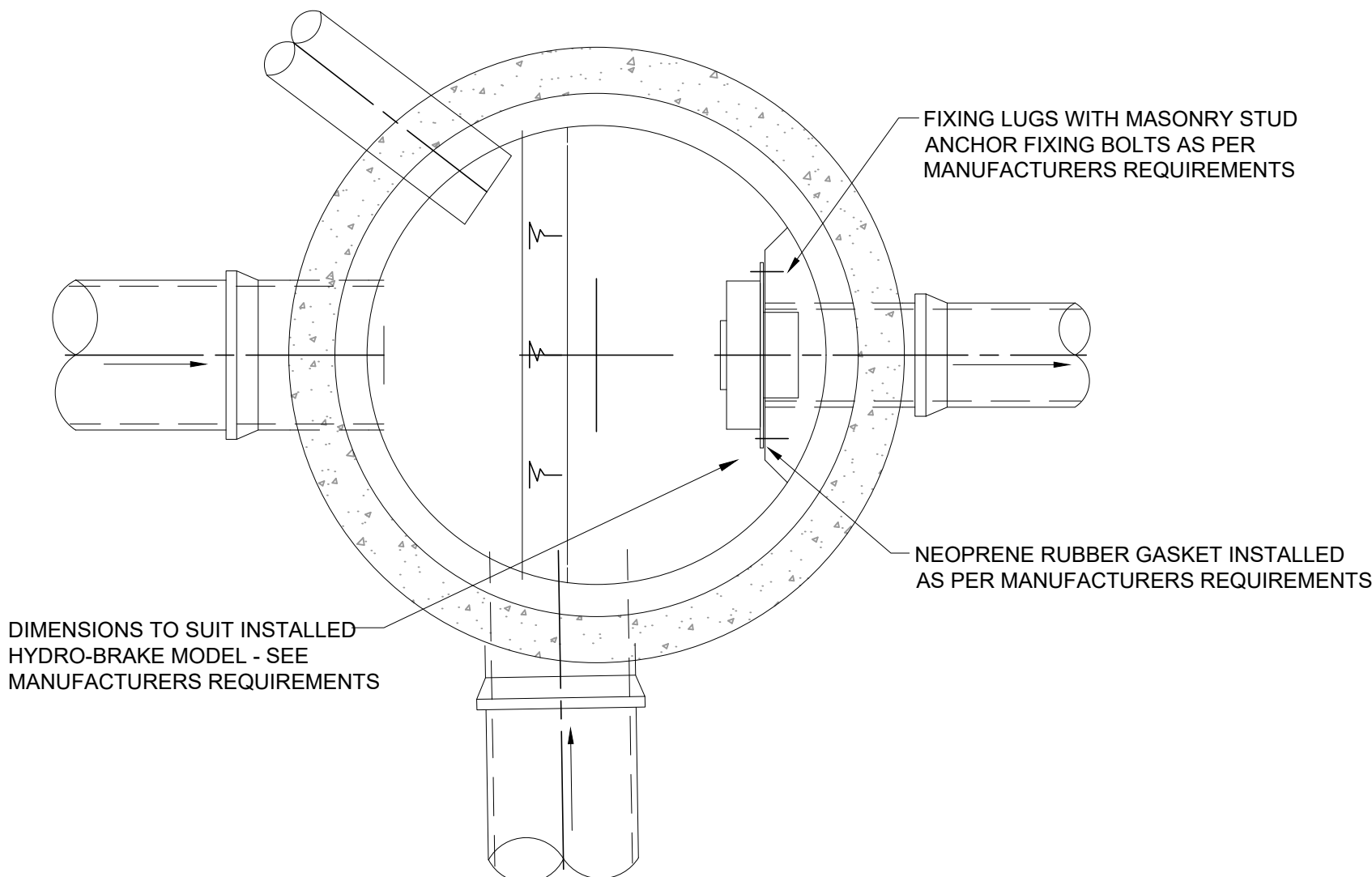
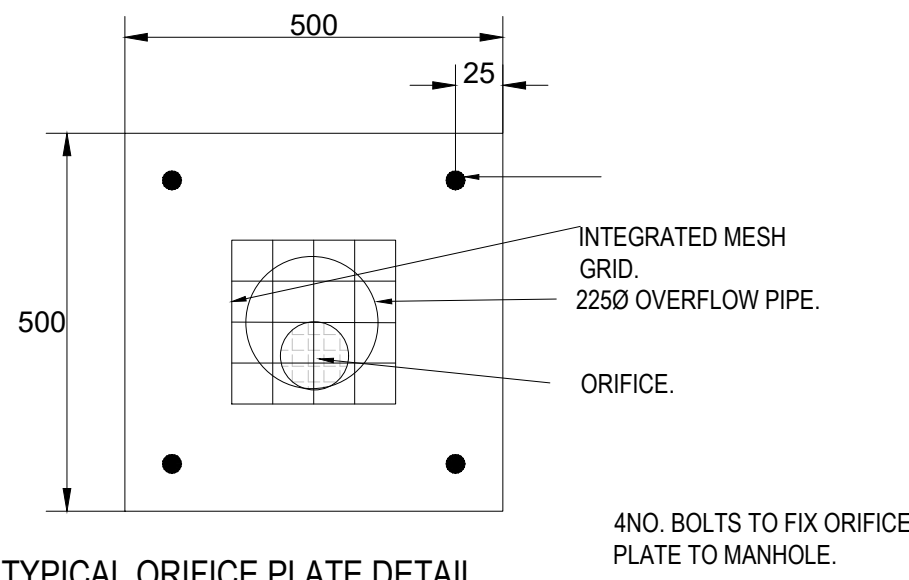


GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- 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.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- REFER TO DRAINAGE LAYOUT SRP1019-CUR-XX-XX-DR-C-9212 - PROPOSED DRAINAGE LAYOUT FOR THE LOCATION OF THE ATTENUATION TANK.
- FLOW CONTROL TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.
- WHERE ALTERNATIVE FLOW CONTROL DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
- SURFACE WATER DRAINAGE CONNECTION SUBJECT TO S106 AGREEMENT WITH UNITED UTILITIES
- FOR FULL DRAINAGE NOTES REFER TO DWG SRP1019-CUR-XX-XX-DR-C-9224
- FINAL DESIGN IS SUBJECT TO CONTRACTOR'S DESIGN PORTION



FLOW CONTROL MANHOLE

Technical Specification

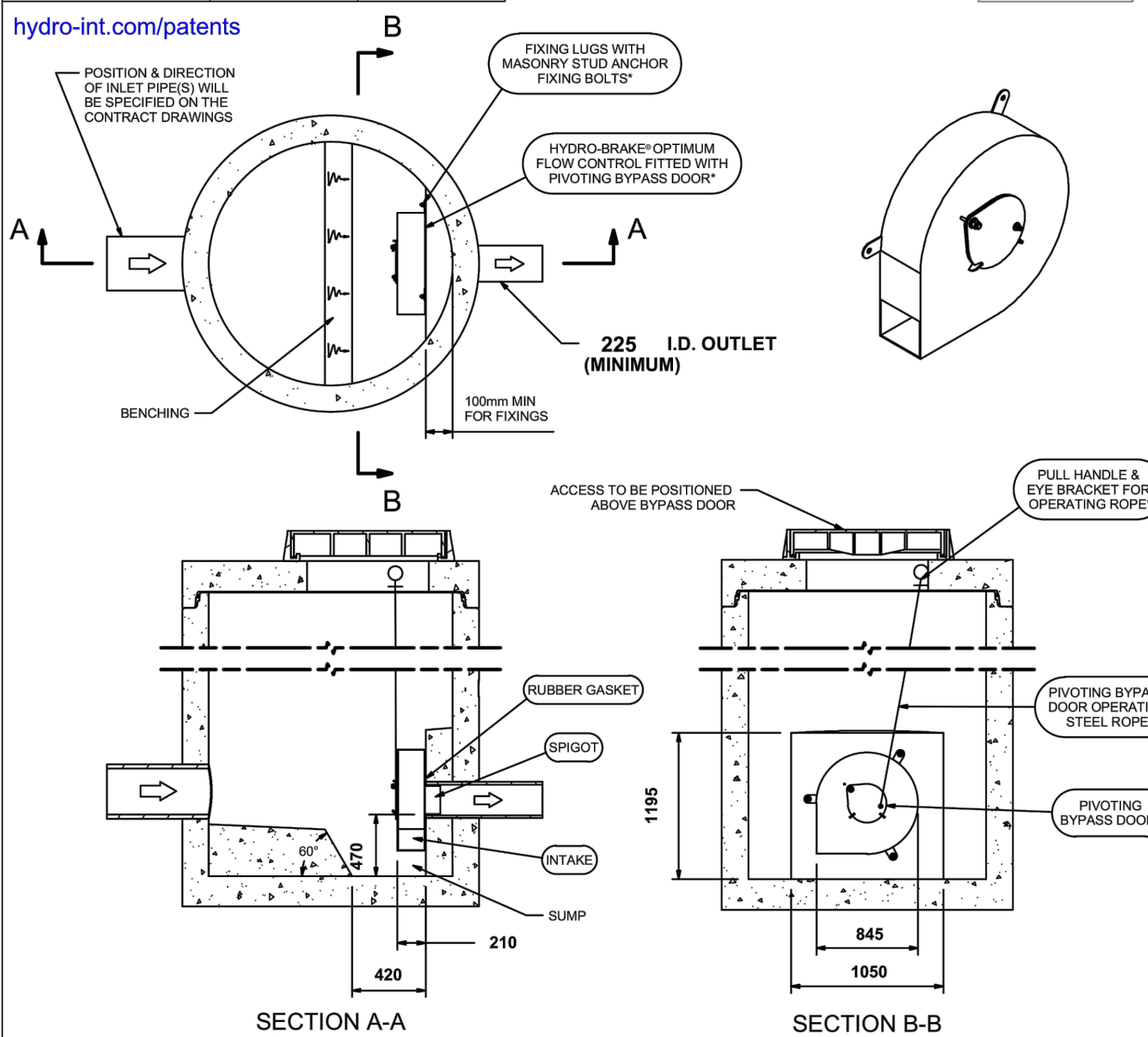
Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	22.400
Flush-Flo™	0.454	22.399
Kick-Flo®	0.993	18.413
Mean Flow		19.322

Hydro-Brake® Optimum Flow Control including:

- 5 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
- Indicative Weight: 567 kg



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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-0202-2240-1500-2240 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 26/08/2022 10:11
SITE Newhouse Academy
DESIGNER Marta Jarzembowska
REF

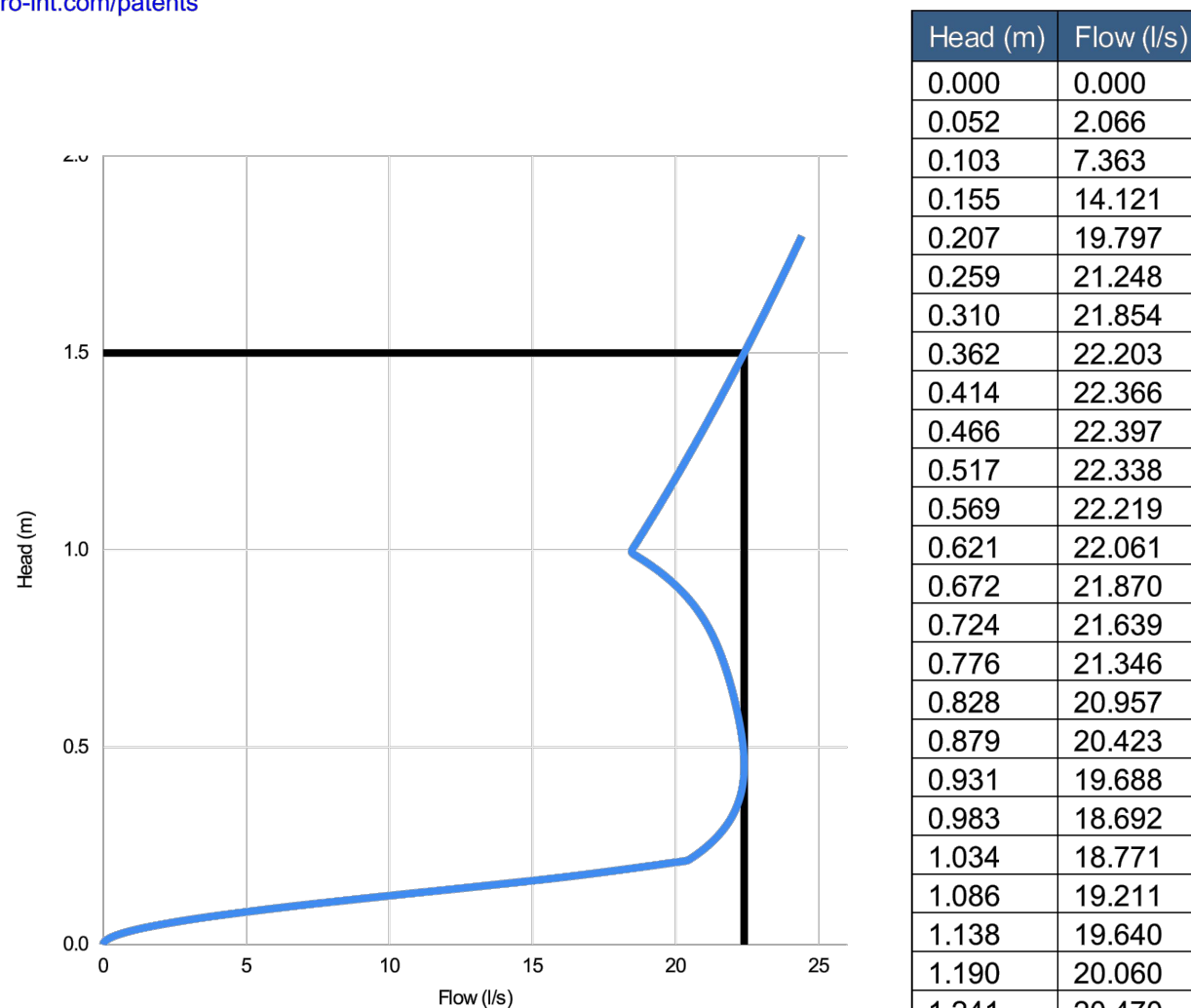
Hydro International
SHE-0202-2240-1500-2240
Hydro-Brake® Optimum

© 2022 Hydro International Ltd, Shearwater House, Clevedon Hall Estate, Victoria Road, Clevedon, BS21 7RD. Tel: 01275 878371 Fax: 01275 878279 Web: www.hydro-int.com Email: enquiries@hydro-int.com marta.jarzembowska@curtins.com

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	22.400
Flush-Flo	0.454	22.399
Kick-Flo®	0.993	18.413
Mean Flow		19.322

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Head (m)	Flow (l/s)
0.000	0.000
0.052	2.066
0.103	7.363
0.155	14.121
0.207	19.797
0.259	21.248
0.310	21.854
0.362	22.203
0.414	22.366
0.466	22.397
0.517	22.338
0.569	22.219
0.621	22.061
0.672	21.870
0.724	21.639
0.776	21.346
0.828	20.957
0.879	20.423
0.931	19.688
0.983	18.692
1.034	18.771
1.086	19.211
1.138	19.640
1.190	20.060
1.241	20.470
1.293	20.871
1.345	21.264
1.397	21.650
1.448	22.028
1.500	22.400

DESIGN ADVICE The head/flow characteristics of this SHE-0202-2240-1500-2240 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.

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Hydro International

SHE-0202-2240-1500-2240
Hydro-Brake Optimum®

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P03 STAGE 4 ISSUE 26.08.22 TH MW
P02 ISSUED FOR PLANNING 25.05.22 TH MW
P01 DRAFT CONTRACTOR'S PROPOSALS 08.04.22 TH MW

Rev: Description: Date: By: Chkd:

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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: STAGE 4

Project: NEWHOUSE ACADEMY

Orig Title: DRAINAGE DETAILS SHEET 3

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	08.04.22	TH	MW	MW
Scale:	1:20			
Project No:	Originator:	Zone:	Level:	Type: Discipline: Category / Number: Rev:

SRP1019: CUR - XX - XX - DR - C - 9222 - P03