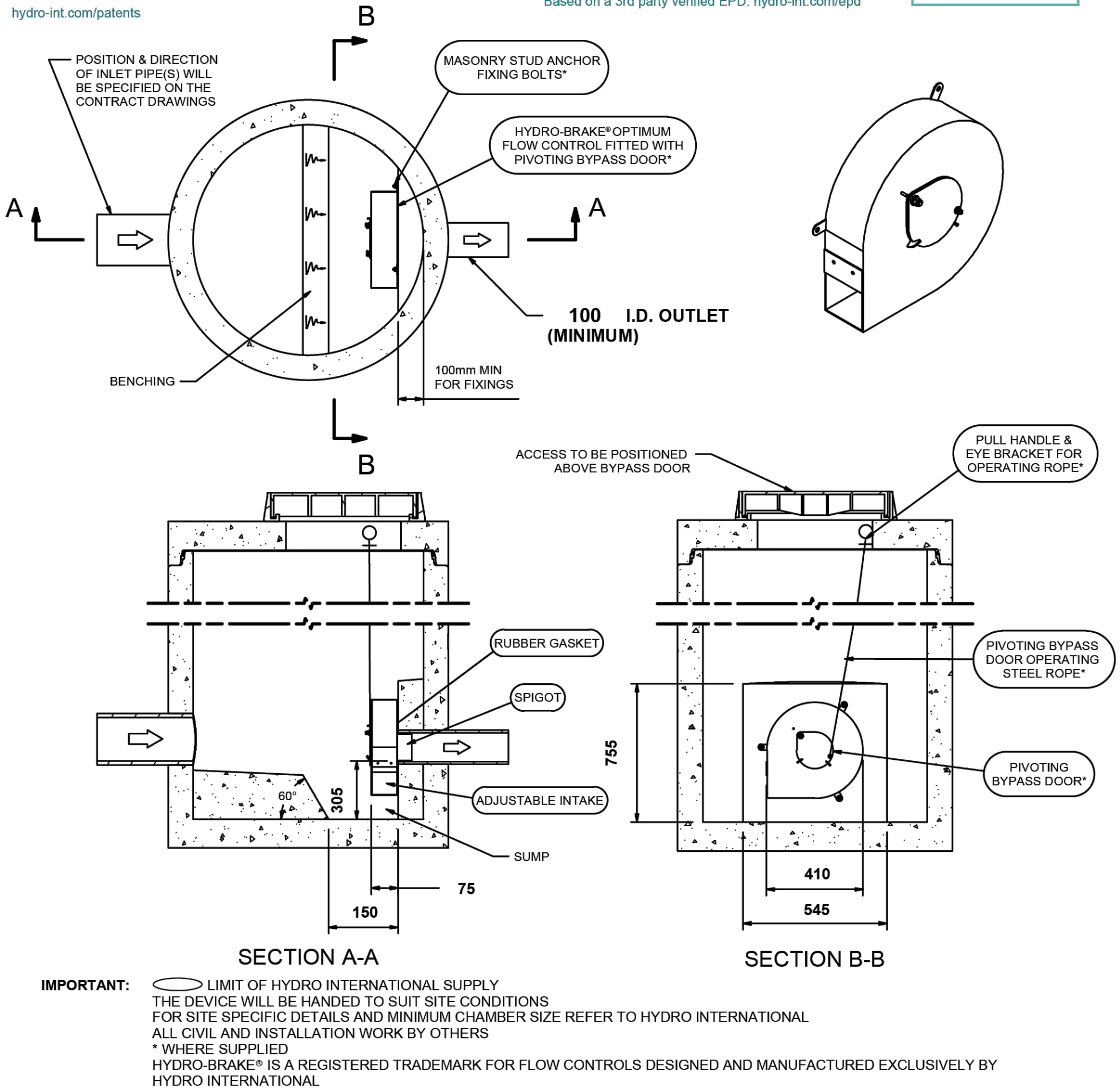


Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.020	2.000
Flush-Flo™	0.293	1.936
Kick-Flo®	0.597	1.568
Mean Flow		1.721

- This Hydro-Brake® Optimum includes:
- All in 3 mm Grade 304L stainless steel
 - Integral pivoting by-pass door allowing clear line of sight through to outlet, c/w operating rope
 - Media blasted for corrosion resistance
 - Variable flow rate post installation via adjustable inlet (if necessary)
 - Indicative Weight: 10 kg
 - Product Carbon Footprint: 37.77 kgCO2e
- Based on a 3rd party verified EPD: [hydro-int.com/epd](#)



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

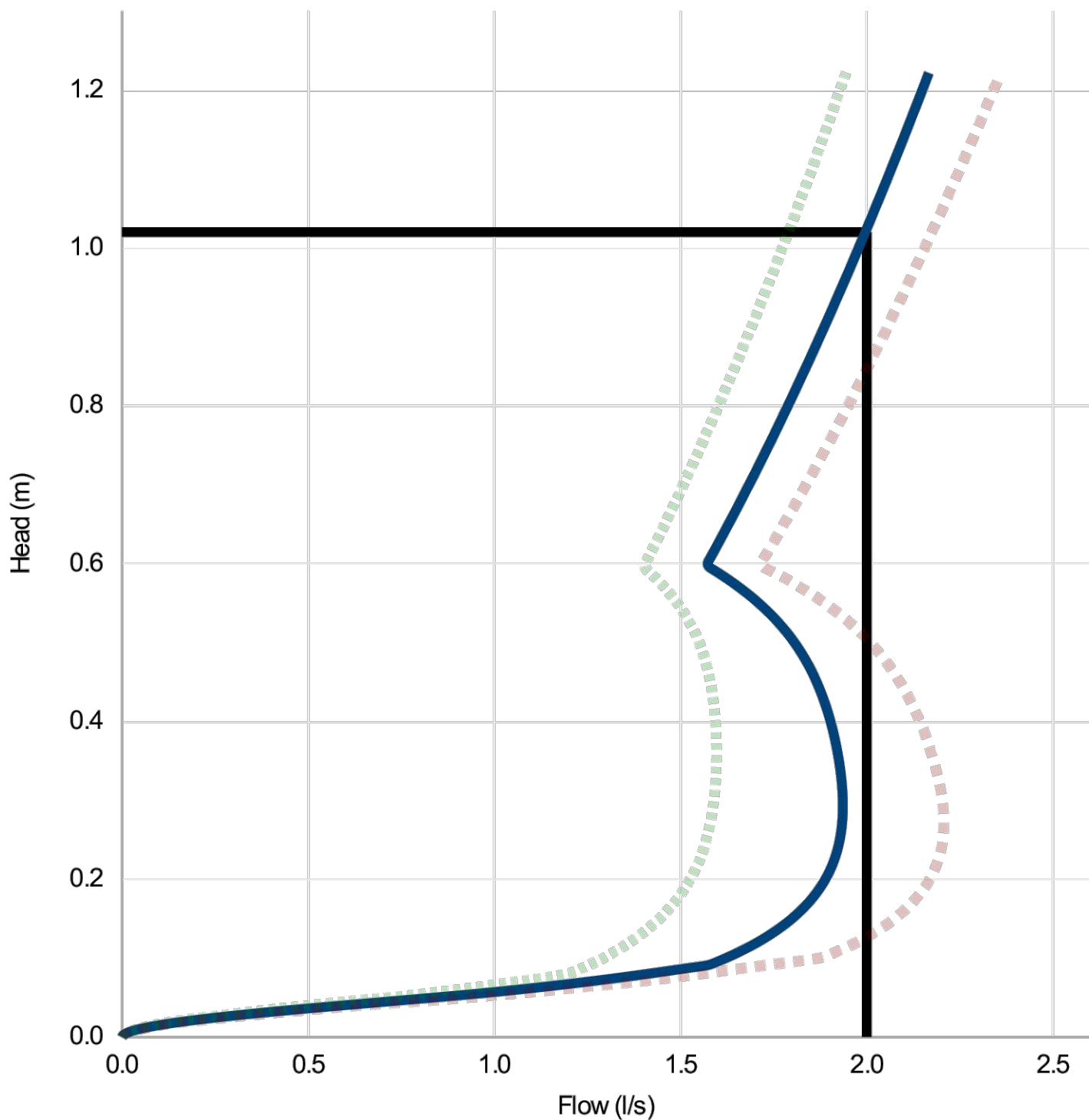
DESIGN ADVICE !	The head/flow characteristics of this SHE-0067-2000-1020-2000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.	 SHE-0067-2000-1020-2000 Hydro-Brake® Optimum
	DATE	23/06/2026 09:35
	SITE	11 Sappcote Road
	DESIGNER	leigh Middleton
REF	26-22646	

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I.middleton@dwsLtd.co.uk

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	1.020	2.000	1.020	1.790	1.020	2.175
Flush-Flo™	0.293	1.936	0.360	1.596	0.271	2.206
Kick-Flo®	0.597	1.568	0.594	1.400	0.597	1.712
Mean Flow		1.721		1.480		1.915



[hydro-int.com/patents](#)



Head (m)	Flow (l/s)
0.000	0.000
0.035	0.476
0.070	1.255
0.106	1.647
0.141	1.774
0.176	1.854
0.211	1.901
0.246	1.926
0.281	1.935
0.317	1.934
0.352	1.925
0.387	1.910
0.422	1.888
0.457	1.858
0.492	1.817
0.528	1.758
0.563	1.677
0.598	1.574
0.633	1.610
0.668	1.649
0.703	1.688
0.739	1.725
0.774	1.762
0.809	1.797
0.844	1.832
0.879	1.866
0.914	1.900
0.950	1.933
0.985	1.965
1.020	1.996

DESIGN ADVICE !	The head/flow characteristics of this SHE-0067-2000-1020-2000 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.	 SHE-0067-2000-1020-2000 Hydro-Brake® Optimum
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P1	First issue	24.06.26	LM
Ref	Revision	Date	By

Issue	PRELIMINARY		
	 DWS Consulting Engineers Diamond Wood & Shaw Limited The Old School • Babay Road • Enderby • Leicester • LE19 4AR Tel: 0115 284 8889 • Email: mail@dwsLtd.co.uk		
Project Title	11 SAPCOTE ROAD		
Drawn LM	Engineer LM	Checked RS	
Scale at 1:20 @ A1	Date JUN 2026		
Drawing Title DRAINAGE DETAILS - SHEET 4			
Project No. 26-22646	Drawing No 0-183	Revision P1	
BIM Code			