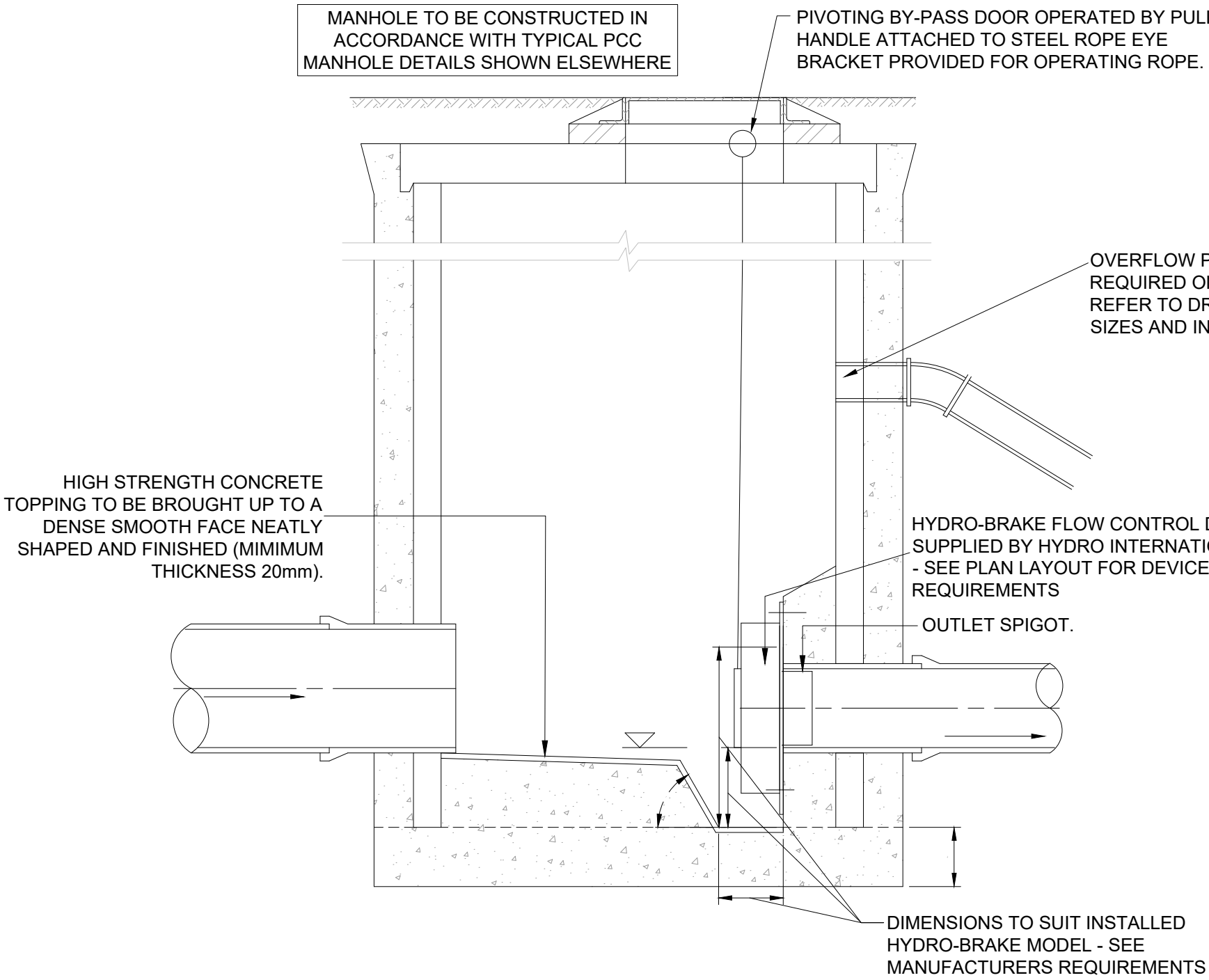
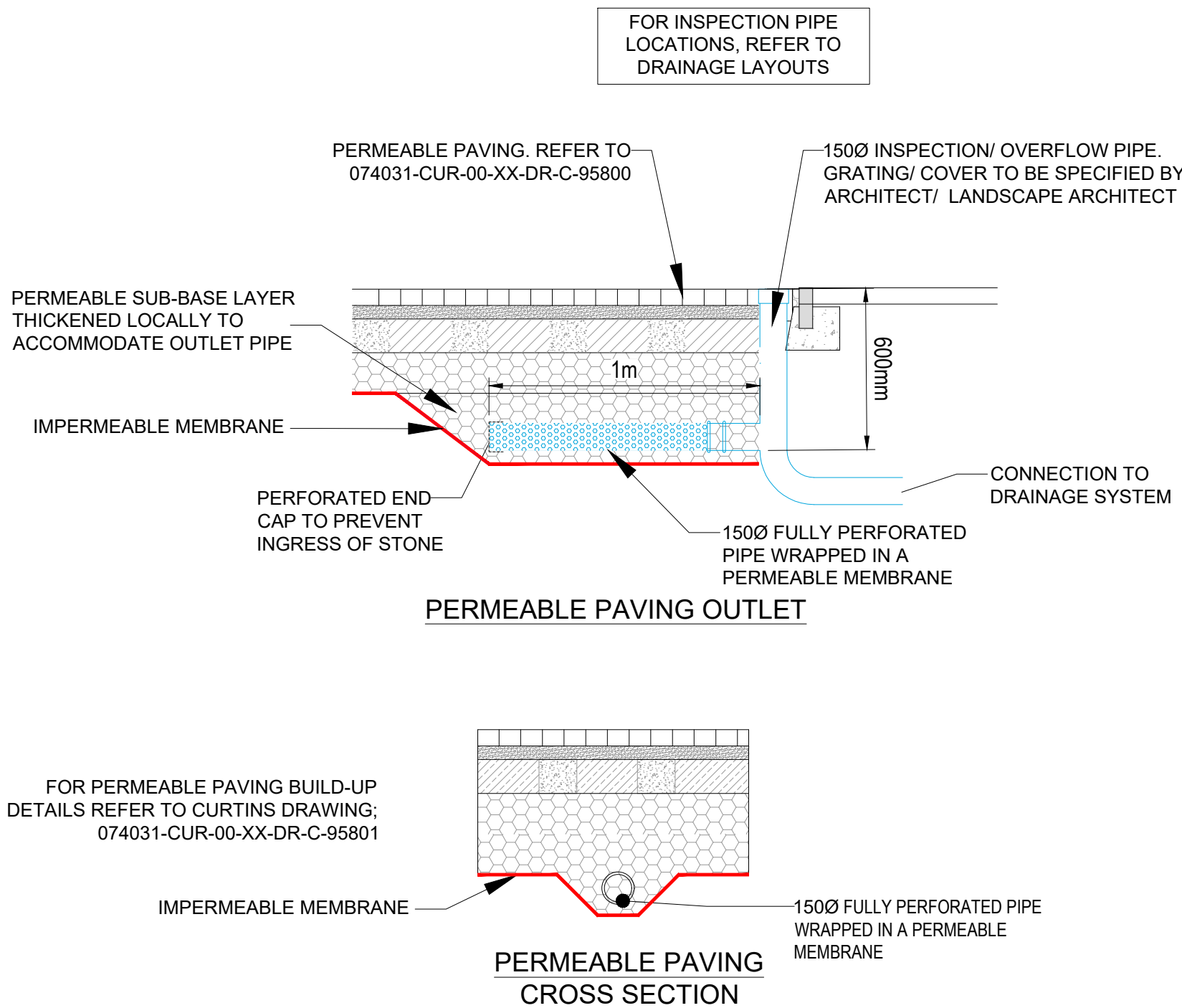
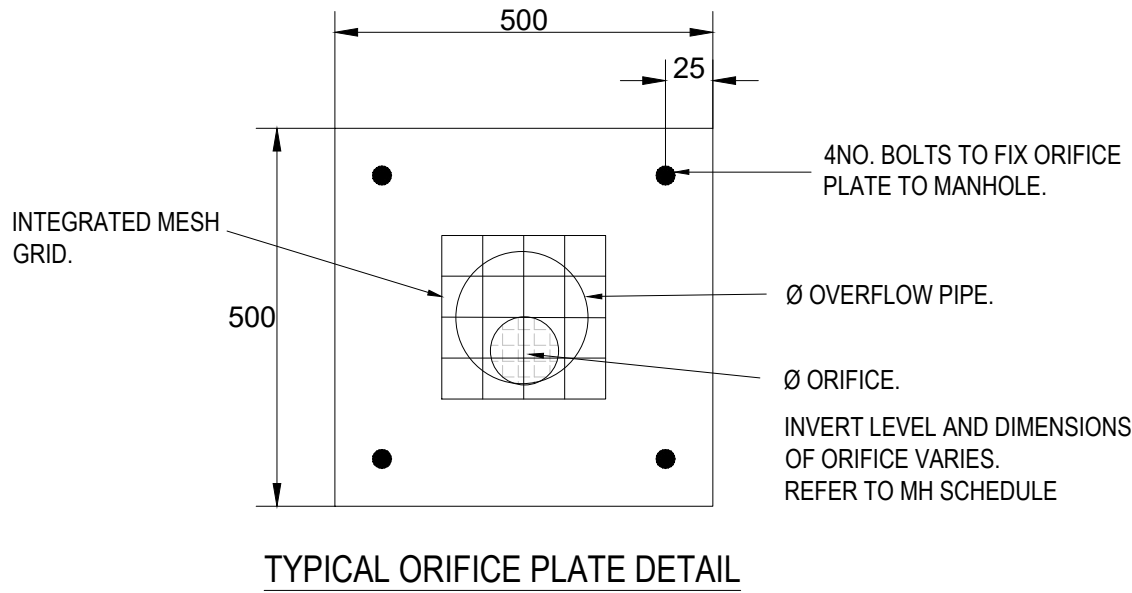




FLOW CONTROL MANHOLE (HYDRO-BRAKE)



Technical Specification

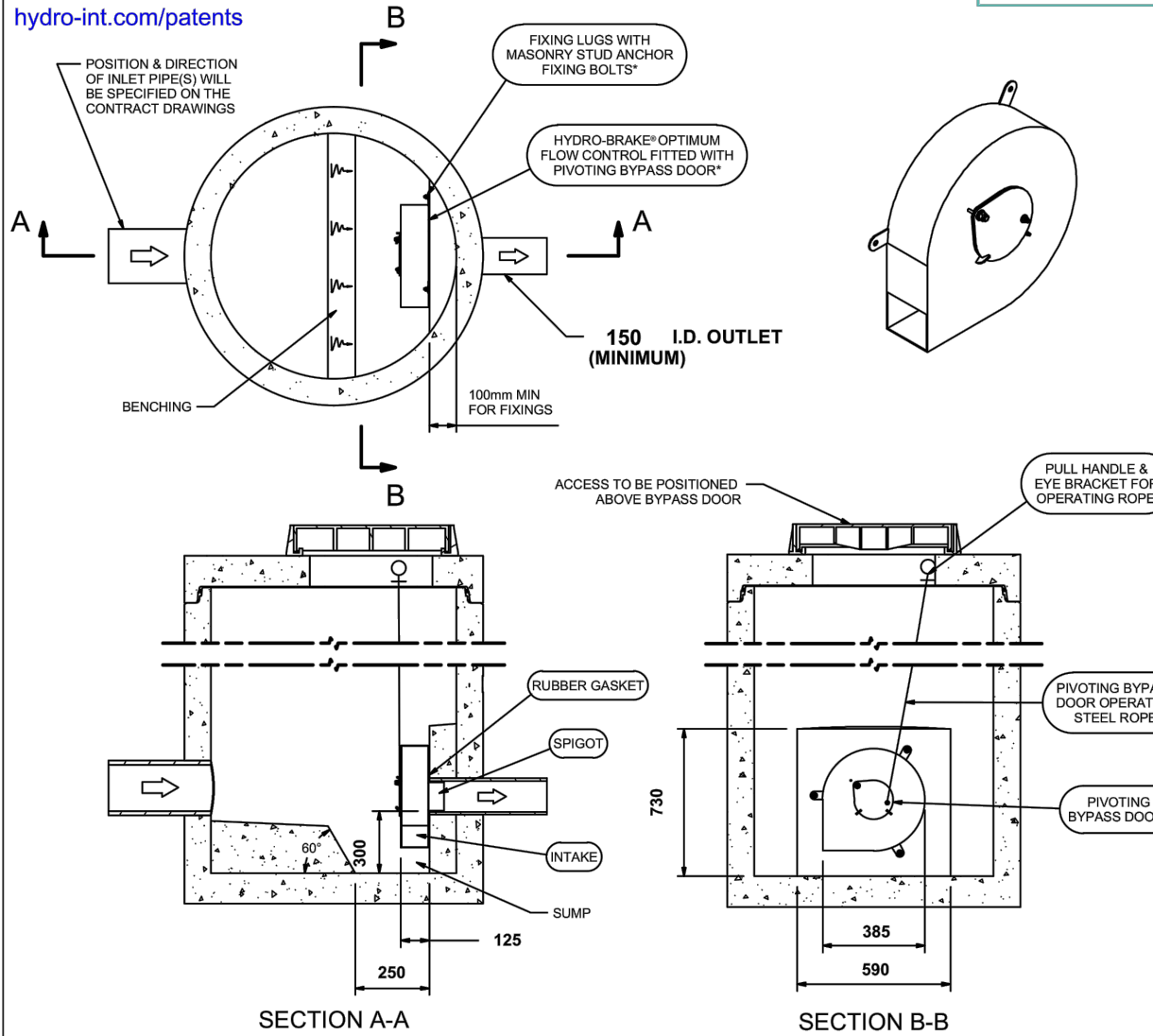
Control Point	Head (m)	Flow (l/s)
Primary Design	0.500	5.600
Flush-Flo™	0.186	5.598
Kick-Flo®	0.375	4.906
Mean Flow		4.597

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
- Indicative Weight: 10 kg



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IMPORTANT: 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-0118-5600-0500-5600 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 15/01/2024 15:52
SITE Newton Heath Phase 2
DESIGNER Charlie Smith
REF S13

SHE-0118-5600-0500-5600
Hydro-Brake® Optimum

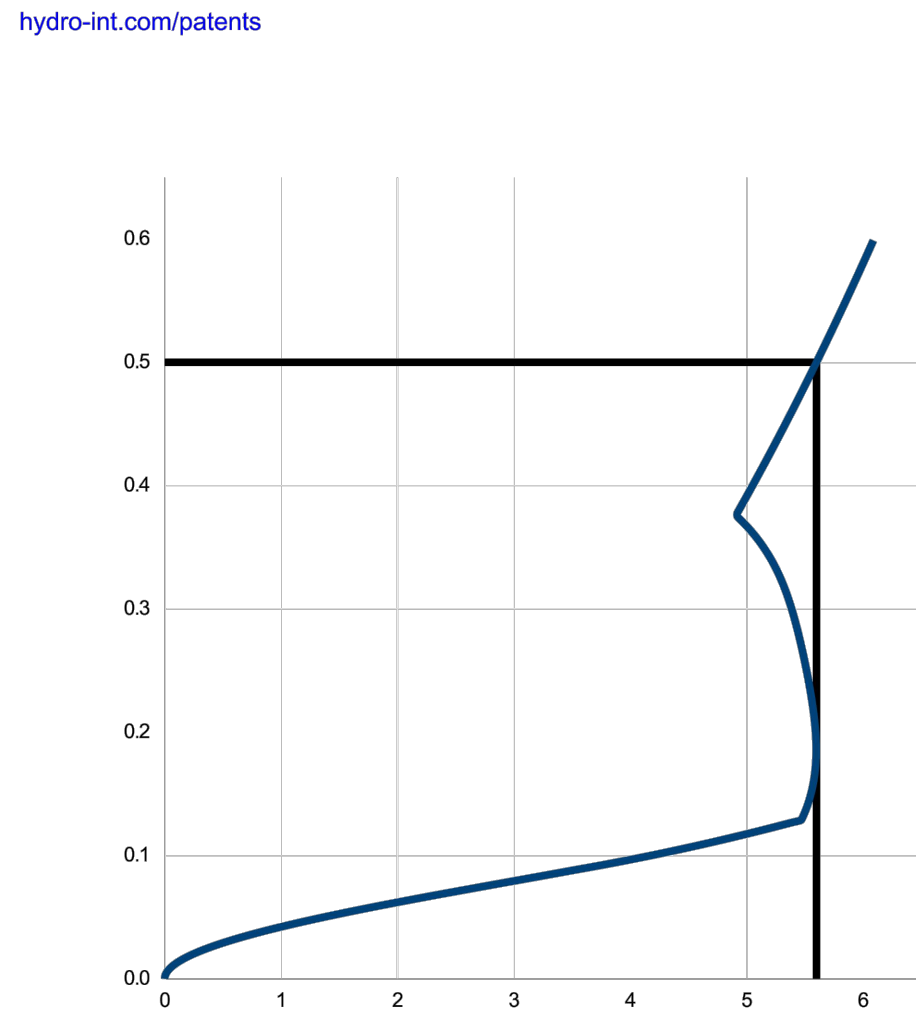
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charlie.smith@curtins.com

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	0.500	5.600
Flush-Flo™	0.186	5.598
Kick-Flo®	0.375	4.906
Mean Flow		4.597



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Head (m)	Flow (l/s)
0.000	0.000
0.017	0.181
0.034	0.687
0.052	1.450
0.069	2.389
0.086	3.401
0.103	4.351
0.121	5.136
0.138	5.512
0.155	5.566
0.172	5.592
0.190	5.597
0.207	5.586
0.224	5.563
0.241	5.532
0.259	5.496
0.276	5.455
0.293	5.408
0.310	5.351
0.328	5.278
0.345	5.181
0.362	5.048
0.379	4.929
0.397	5.031
0.414	5.130
0.431	5.228
0.448	5.324
0.466	5.417
0.483	5.509
0.500	5.600

DESIGN ADVICE ! The head/flow characteristics of this SHE-0118-5600-0500-5600 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.

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SHE-0118-5600-0500-5600
Hydro-Brake® Optimum

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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 METRES UNLESS NOTED OTHERWISE.
- REFER TO DRAINAGE LAYOUT 074031-CUR-00-XX-DR-C-92610 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 074031-CUR-00-XX-DR-C-92620

P01	ISSUED FOR TENDER	19/07/24	JC	CS
Rev:	Description:	Date:	By:	Chkd:

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Status:

TENDER ISSUE

Project:
OLDHAM ROAD, NEWTON HEATH

Drg Title:
DRAINAGE DETAILS
SHEET 3 OF 4
PHASE 2

Drawn By JC	Designed By CS	Checked By CS
Date 11/01/24	Scales @ A1	Revision N/A

Project No - Originator - Function - Spatial - Form - Discipline - Number	Revision
074031 - CUR - 00 - XX - D - C - 92642	P01