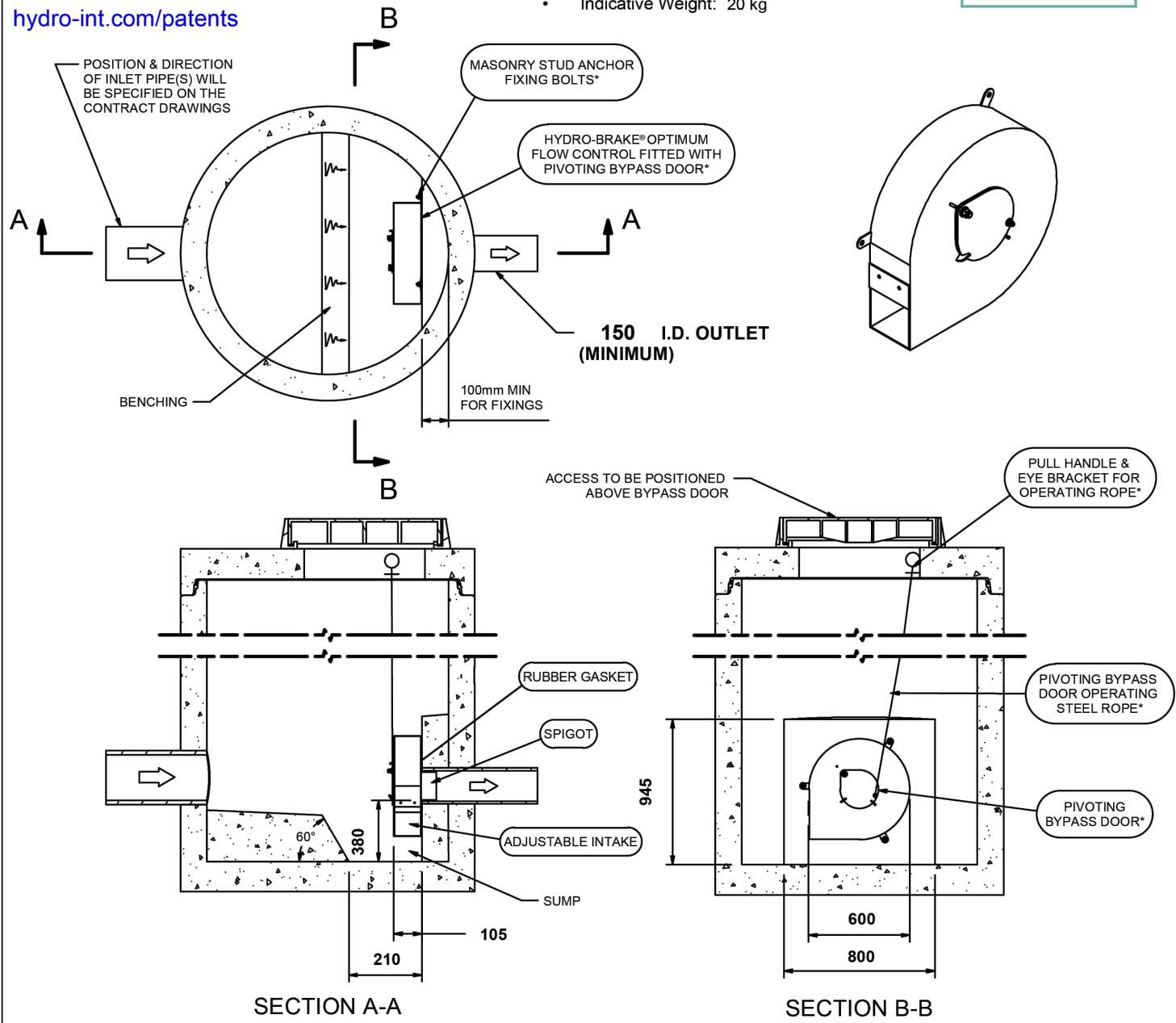


Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.604	5.200
Flush-Flo™	0.430	4.924
Kick-Flo®	0.878	3.931
Mean Flow		4.407

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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

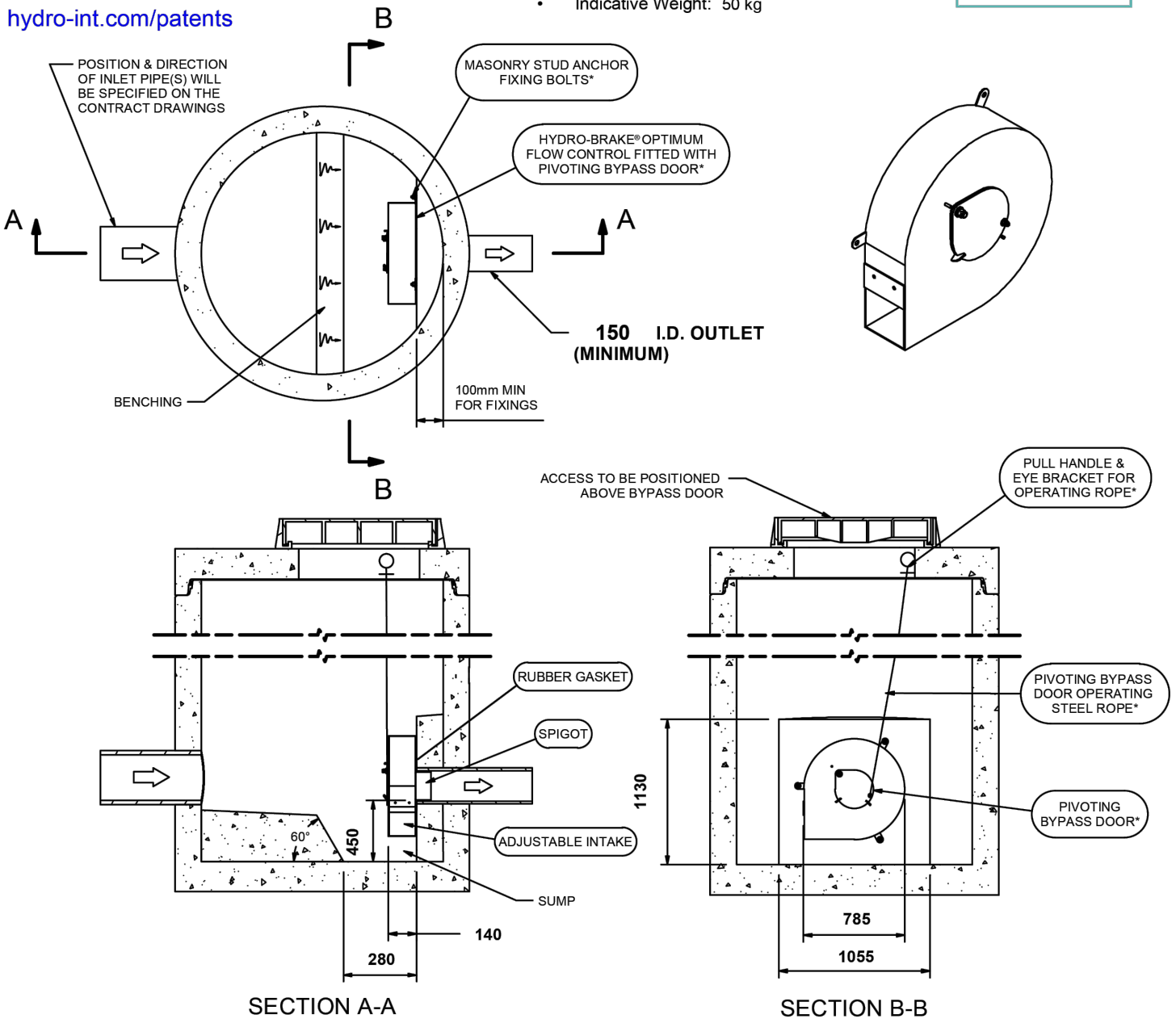
THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE	The head/flow characteristics of this SHE-0099-5200-1604-5200 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.	Hydro International A CRU COMPANY
DATE	04/02/2025 12:20	SHE-0099-5200-1604-5200
SITE	South Wokingham Phase 2B R10	Hydro-Brake® Optimum
DESIGNER	Anthony Salala	
REF	S-25 Control Manhole	
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Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.865	10.000
Flush-Flo™	0.554	9.997
Kick-Flo®	1.139	7.920
Mean Flow		8.764

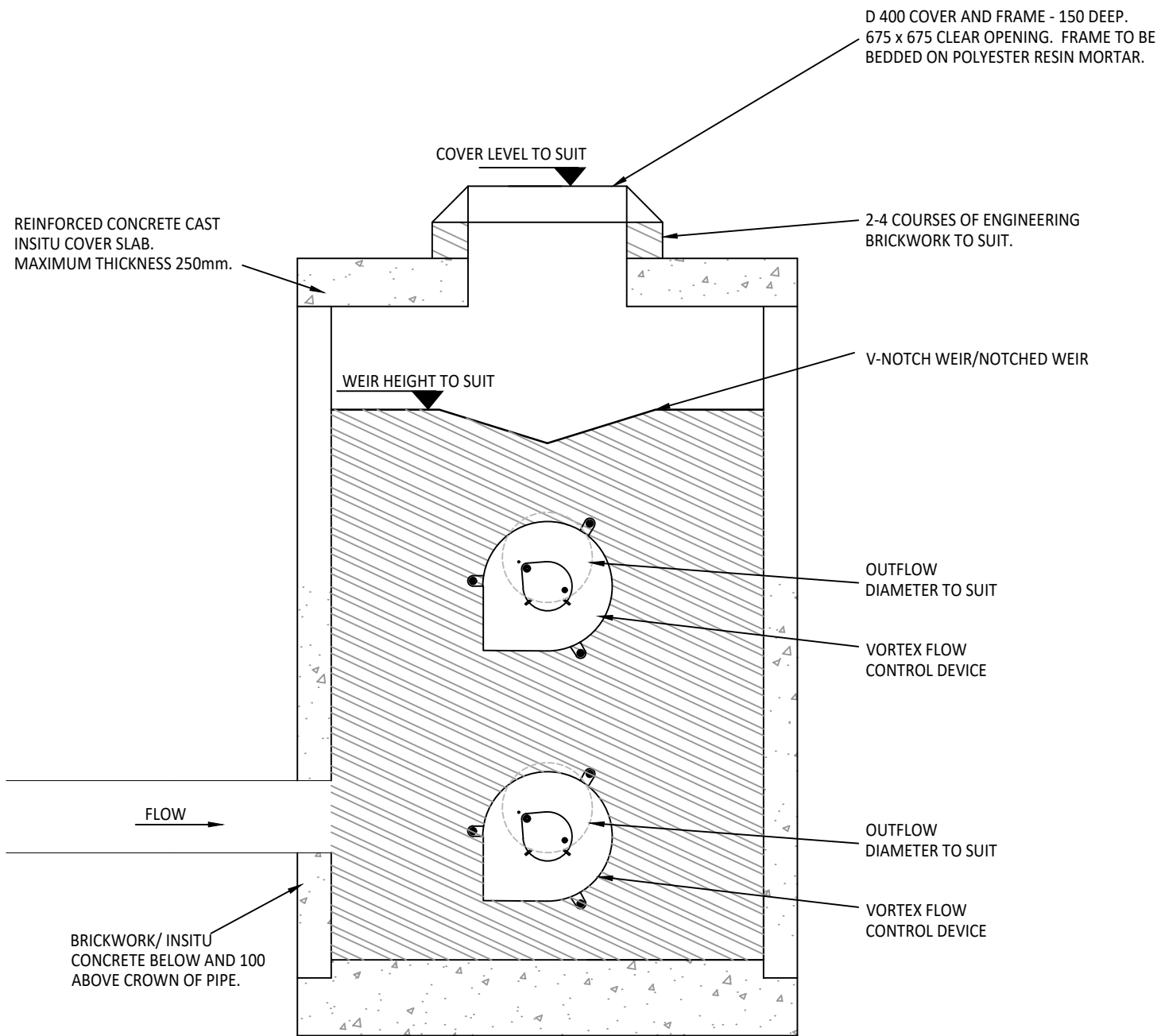
hydro-int.com/patents



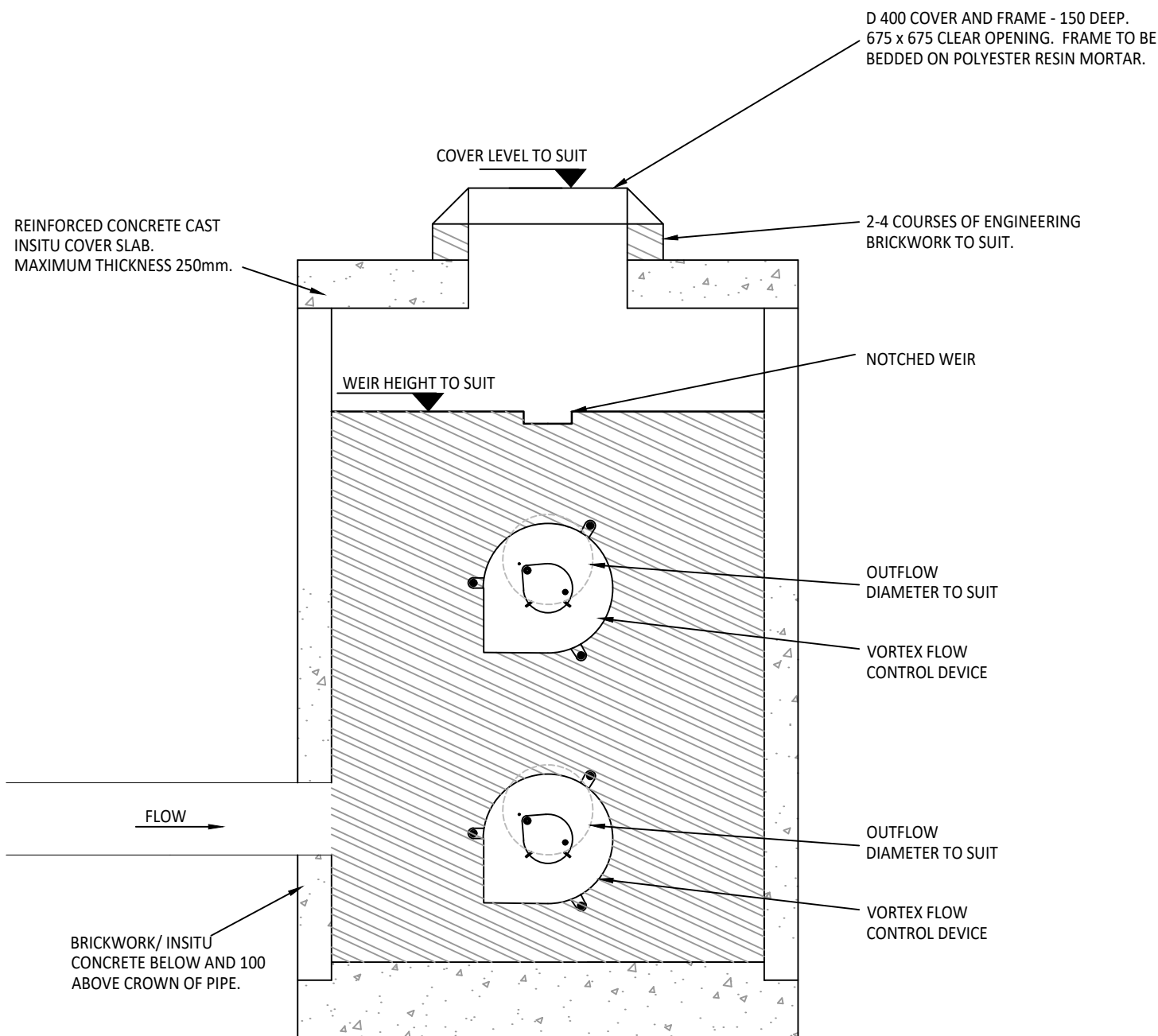
IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL ALL CIVIL AND INSTALLATION WORK BY OTHERS * WHERE SUPPLIED HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE 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 head/flow characteristics of this SHE-0133-1000-1865-1000 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.	Hydro International A CRU COMPANY
DATE	04/02/2025 13:24	SHE-0133-1000-1865-1000
SITE	South Wokingham Phase 2B R10	Hydro-Brake® Optimum
DESIGNER	Anthony Salala	
REF	Basin 2 Control Manhole	
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V-NOTCH WEIR



NOTCH WEIR

TYPICAL CONTROL CHAMBER DETAIL
(TYPICAL CONTROL CHAMBER DETAIL TO BE CONFIRMED BY CONTRACTOR, REFER TO DRAINAGE LAYOUT FOR DETAILS)

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DRAINAGE NOTES:
Refer to 'A389-R10-DD-526' Sheet 1 for Drainage Notes

ALL PIPE BEDDING TO BE CLASS 'S' GRANULAR SURROUND UNLESS NOTED OTHERWISE ON THE DRAWING

Rev	Date	Description	AS	RF
A	02.25	FIRST ISSUE		



3 Tealgate, Charnham Park
Hungerford, Berkshire RG17 0YT
www.alpc.co.uk Tel: 01488 684390

Client
MILLER HOMES

Project
**SOUTH WOKINGHAM SDL
PHASE 2B R10 RESERVED
MATTERS APPLICATION**

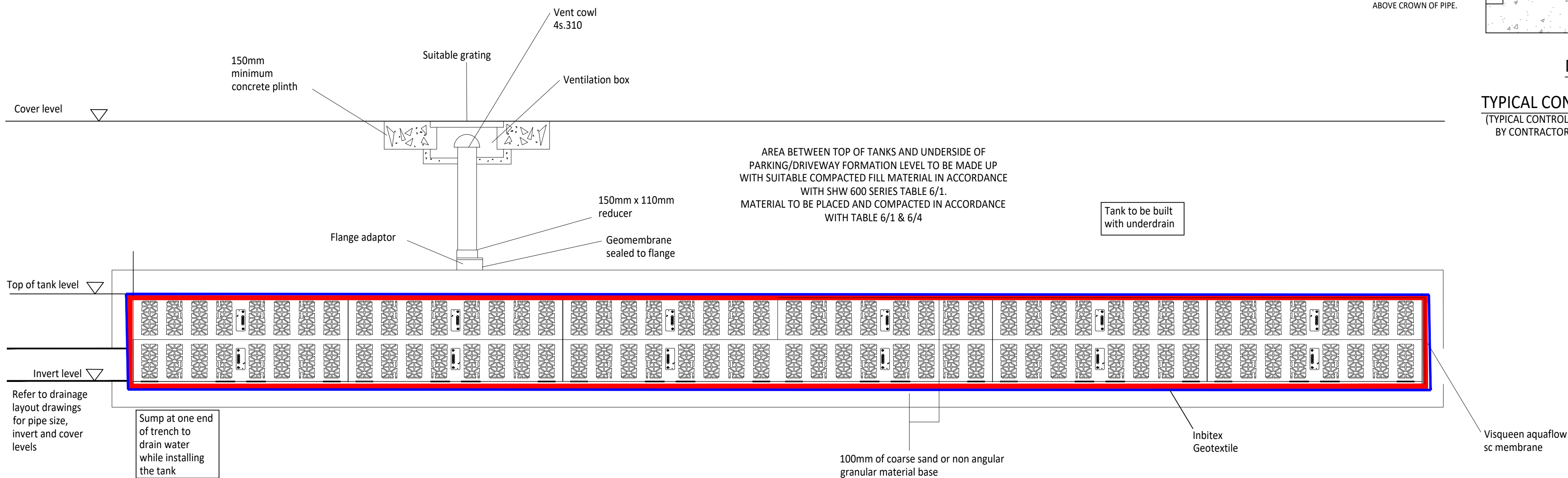
Title
**DRAINAGE CONSTRUCTION
DETAILS
SHEET 3**

Status

Scale	Date	Drawn	Checked
NTS	FEB 2025	AS	RF

Drawing No
A389-R10-RM-513

Revision
A



CELLULAR ATTENUATION DETAIL
(REFER TO DRAINAGE LAYOUT FOR SITE SPECIFIC DETAIL)