

Technical Specification

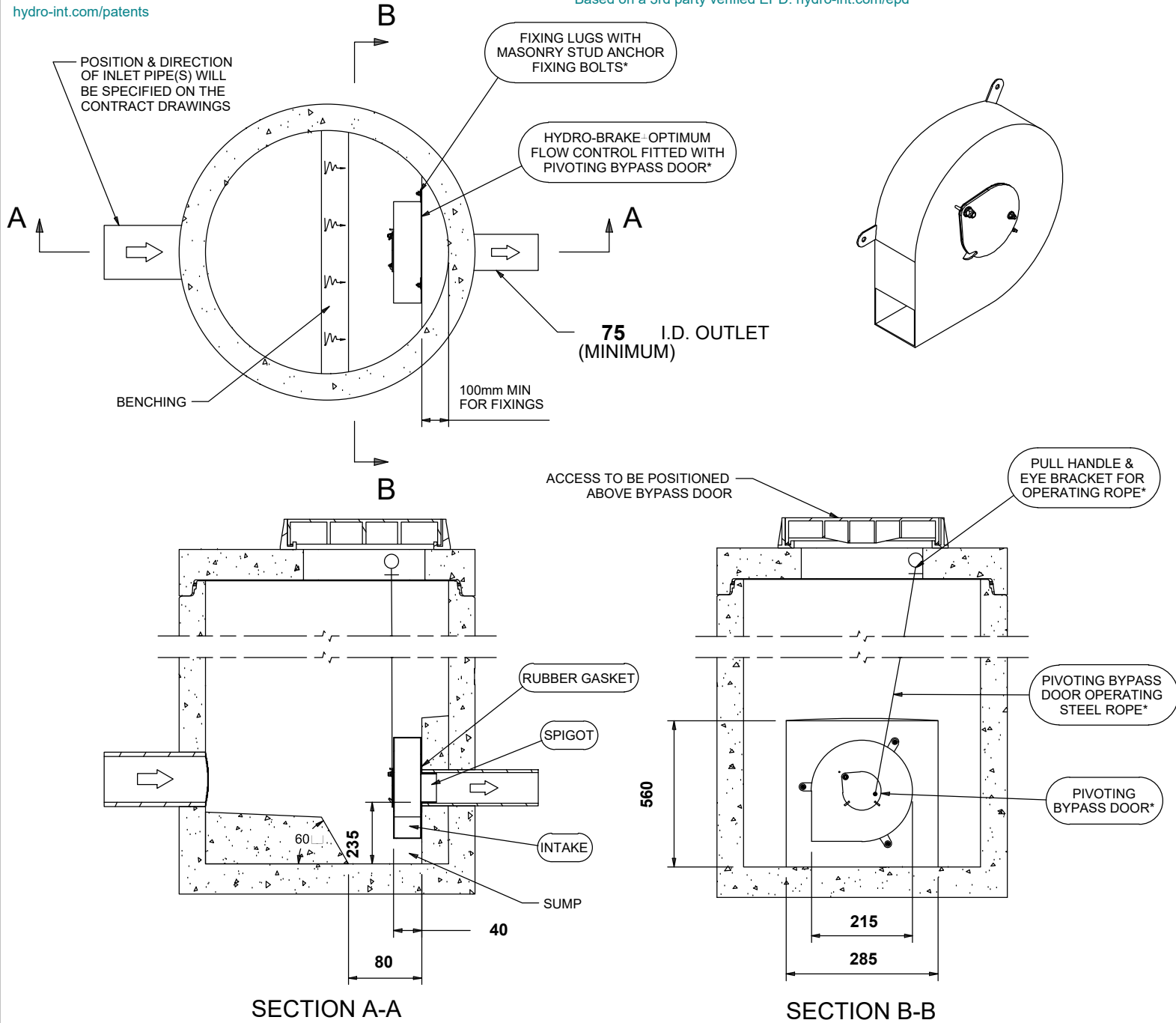
Control Point	Head (m)	Flow (l/s)
Primary Design	0.750	0.500
Flush-Flo™	0.153	0.403
Kick-Flo™	0.307	0.341
Mean Flow		0.394

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: 5 kg
- Product Carbon Footprint: 10.05 kgCO2e

Based on a 3rd party verified EPD: hydro-int.com/epd

hydro-int.com/patents



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® IS A REGISTERED TRADEMARK FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

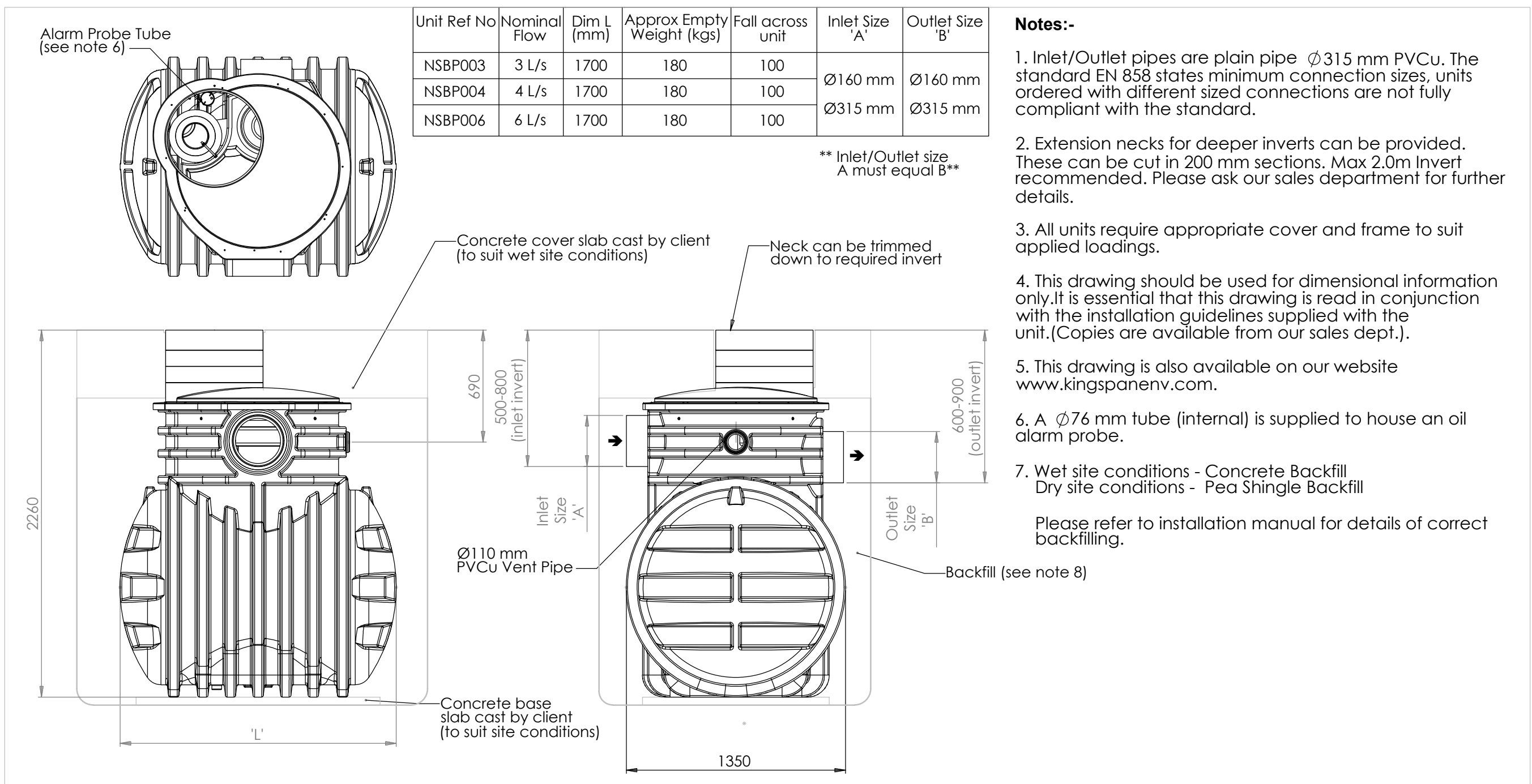
THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE	The head/flow characteristics of this SHE-0034-5000-0750-5000 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	17/08/2026 10:34	
SITE		SHE-0034-5000-0750-5000
DESIGNER	Penelope Ingle	Hydro-Brake® Optimum
REF		

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DETAILS OF CATCHMENT A HYDROBRAKE DEVICE AND MANHOLE

N.T.S



DETAILS OF PETROL INTERCEPTOR/S

N.T.S

Technical Specification

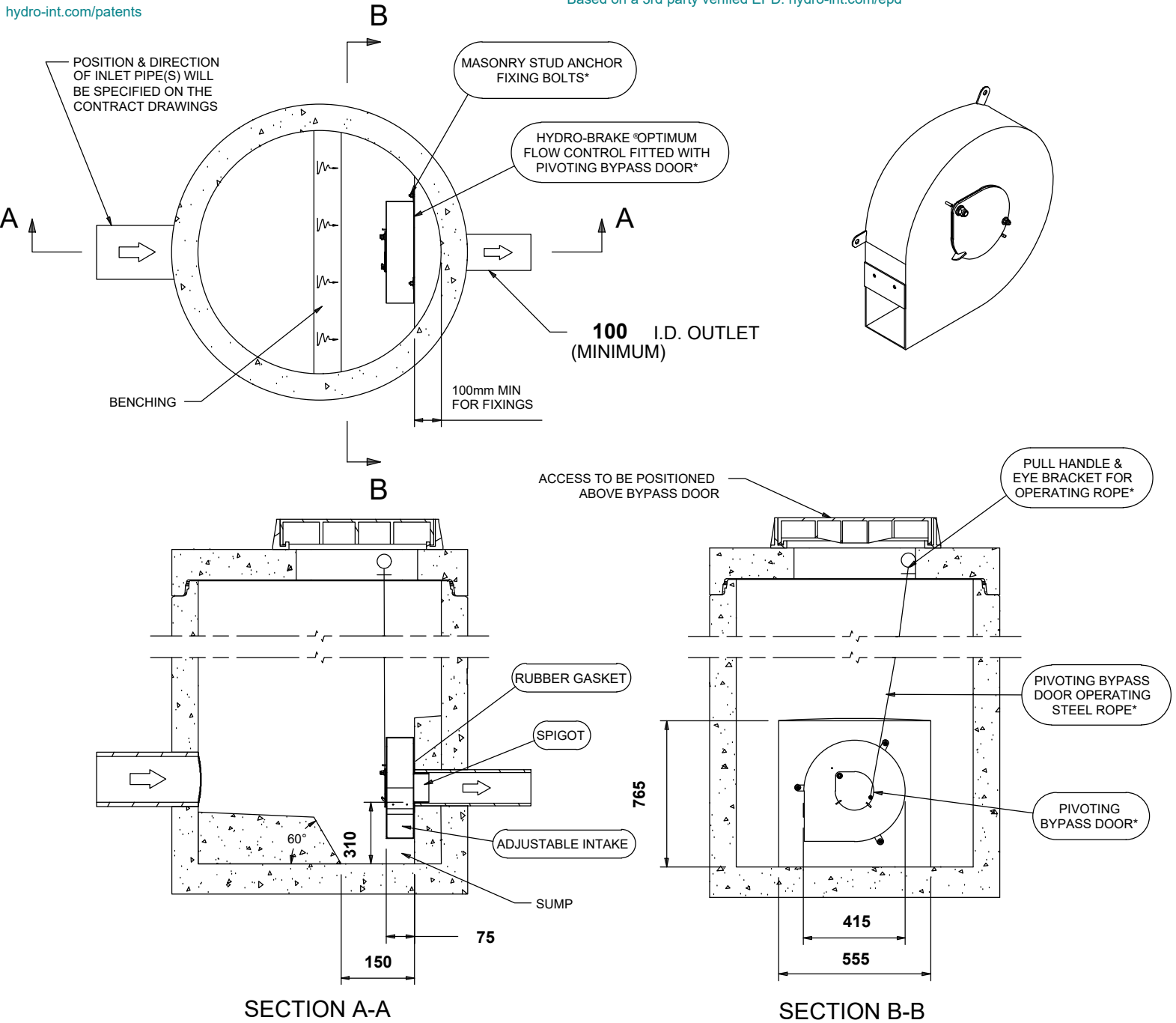
Control Point	Head (m)	Flow (l/s)
Primary Design	1.800	2.700
Flush-Flo™	0.298	2.048
Kick-Flo®	0.611	1.652
Mean Flow		2.071

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: 39.49 kgCO2e

Based on a 3rd party verified EPD: hydro-int.com/epd

hydro-int.com/patents



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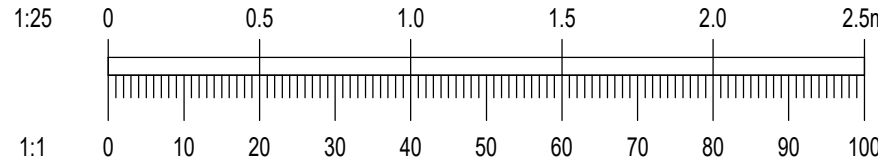
THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE	The head/flow characteristics of this SHE-0068-2700-1800-2700 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	17/08/2026 10:50	
SITE		SHE-0068-2700-1800-2700
DESIGNER	Penelope Ingle	Hydro-Brake® Optimum
REF		

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DETAILS OF CATCHMENT B HYDROBRAKE DEVICE AND MANHOLE

N.T.S



This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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NOTES:

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

P01	14/09/20	ISSUED FOR PLANNING	IG	IW
Rev	Date	Description	By	Chk

Project	CHERRY ORCHARD POINT PHASE 3
Title	HYDROBRAKE & PETROL INTERCEPTOR DETAILS
Client	LAND DEVELOPMENT AGENCY



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Status								PLANNING			
Designed By		PI		Approved		IW		Waterman Ref		22-010	
Drawn By		IG		Date		SEPT. 2026		Scales @ A1		AS SHOWN	
Project - Originator - Volume - Level - Type - Role - Number										Revision	
COP-WMC-PH3-00- DR- C - P0251										P01	