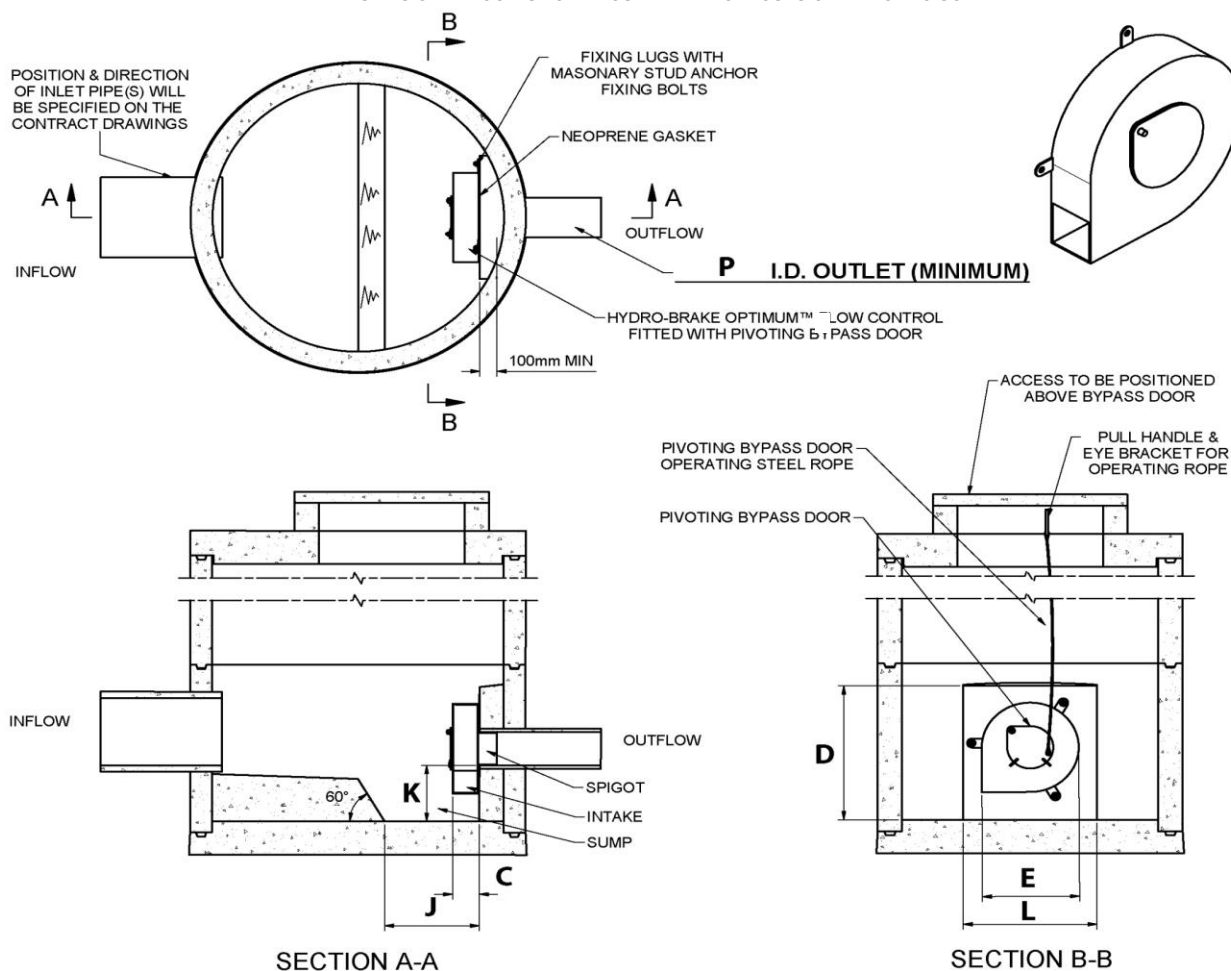


DO NOT SCALE

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

IF IN DOUBT ASK



NOTE: A pre-formed Hydro-Brake® Chamber Base with pre-fitted Hydro-Brake Optimum® is available from Hydro International

TECHNICAL SPECIFICATION		
CONTROL POINT	HEAD (m)	FLOW (l/s)
Design Point	0.40	2.00
Flush-Flo™	0.127	2.00
Kick-Flo®	0.288	1.73
Mean Flow over head range		1.67

DESIGN ADVICE



The head / flow characteristics of this 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 unit and could constitute a flood risk.

KEY DIMENSIONS (mm)			
C	80	J	155
D	620	K	255
E	275	L	475
P	100		
Internal Clearance (m²)		0.0046	

Notes:

1. This drawing is an A3 sized original
2. This drawing shall be read in conjunction with all relevant general arrangement and layout drawings.
3. The Hydro-Brake Optimum® shall be handed to suit site conditions.
4. For site specific details and minimum chamber size refer to Hydro International.
5. All civil and installation work by others.
6. The Hydro-Brake Optimum® is also available with alternative mounting options (e.g. mounting plate, push fit, curved mounting plate)
7. Dimensions shown for flow control unit are maximum dimensions
8. Dimensions shown for flow control chamber are minimum dimensions

Title

**HYDRO-BRAKE
OPTIMUM®
FOR SURFACE WATER**

Church Farm

**GENERAL
ARRANGEMENT**

Drawn By

Fiona M. Britton

**Hydro
International**

Shearwater House
Clevedon Hall Estate
Victoria Road, Clevedon
BS21 7RD
Tel: 01275 878371
Fax: 01275 874979
E-mail: enquiries@hydro-int.com

Date

20-Jul-17

Product ID Code

SHE-0076-2.000-0400-

Job No.

17_21_3287

Revision

A

Any warranty given by Hydro International will apply only to those items supplied by it. Accordingly Hydro International cannot accept any responsibility for any structure, plant or equipment (or the performance thereof) designed, built, manufactured or supplied by any 3rd party. Hydro International have a policy of continuous development and reserve the right to amend the specification. Hydro International cannot accept liability for performance of its equipment (or any part thereof), if the equipment is subject to conditions outside the design specification. Hydro International owns the copyright of this drawing, which is supplied in confidence. It must not be used for any purpose other than that for which it is supplied and must not be reproduced in whole, or in part without prior permission in writing from Hydro International.

Hydro International Engineering Services Ltd