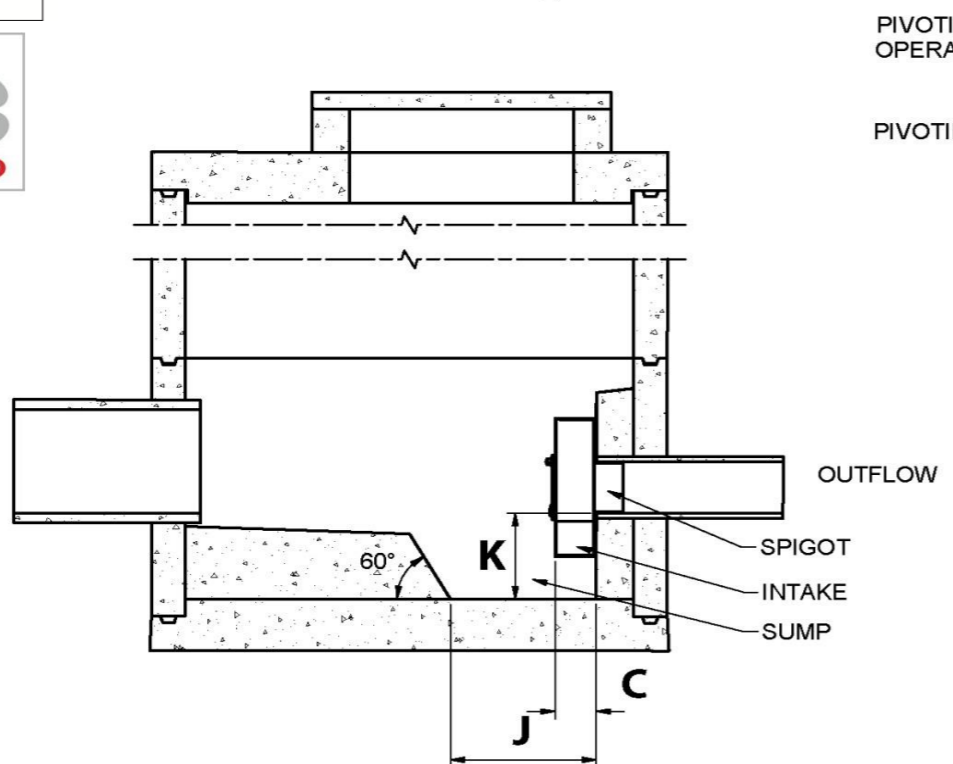
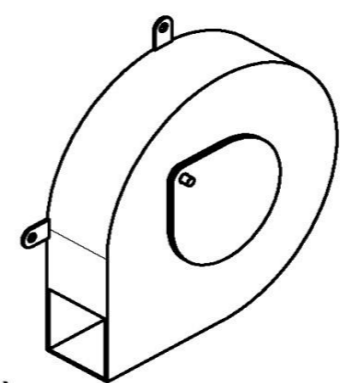
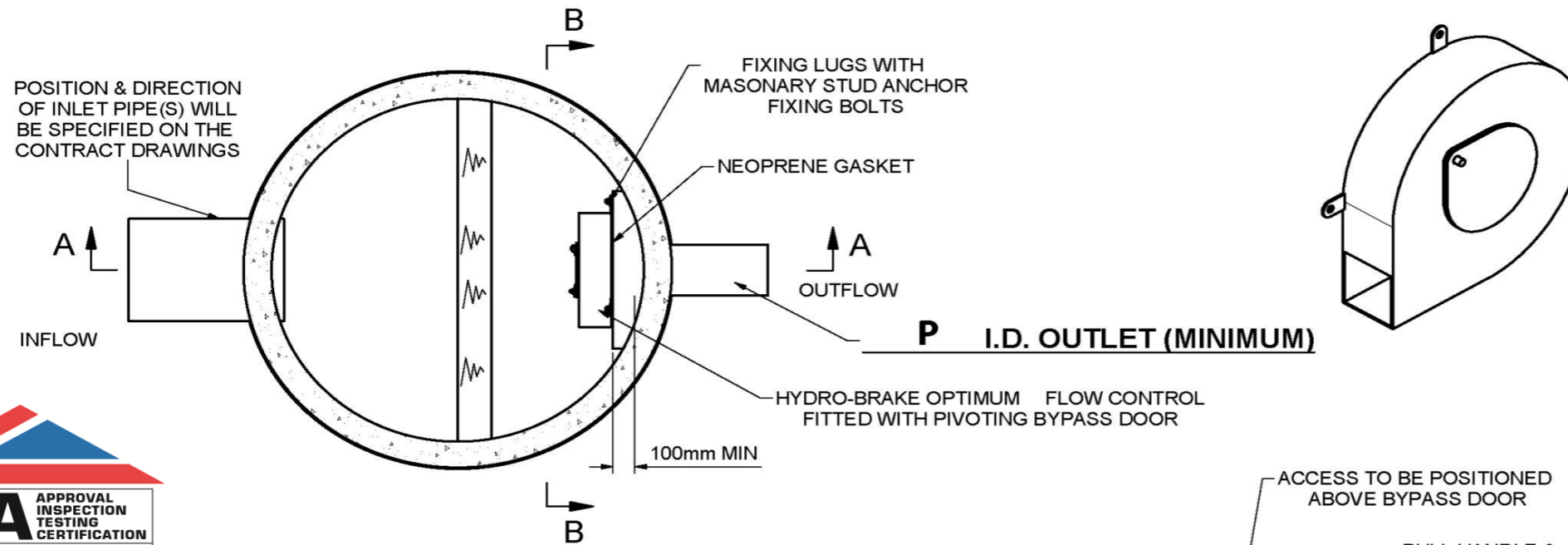


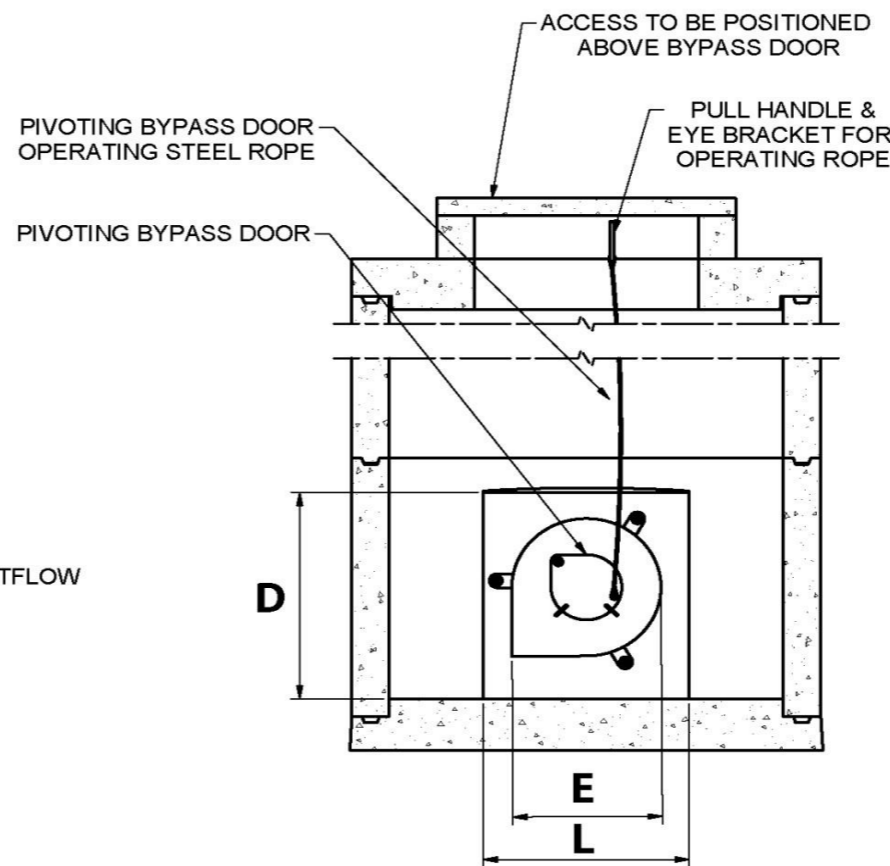
DO NOT SCALE

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

IF IN DOUBT ASK



SECTION A-A



SECTION B-B

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

- 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

GENERAL ARRANGEMENT

Drawn By
Steven R. Waters

Hydro International

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TECHNICAL SPECIFICATION		
CONTROL POINT	HEAD (m)	FLOW (l/s)
Design Point	1.50	15.99
Flush-Flo™	0.443	16.00
Kick-Flo®	0.962	12.96
Mean Flow over head range		13.79

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	180	J	355
D	1130	K	445
E	785	L	985
P	225		
Internal Clearance (m²)			0.0239

Date
21-Aug-13

Product ID Code
SHE-0173-16.00-1500-

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Job No.
 Revision
A