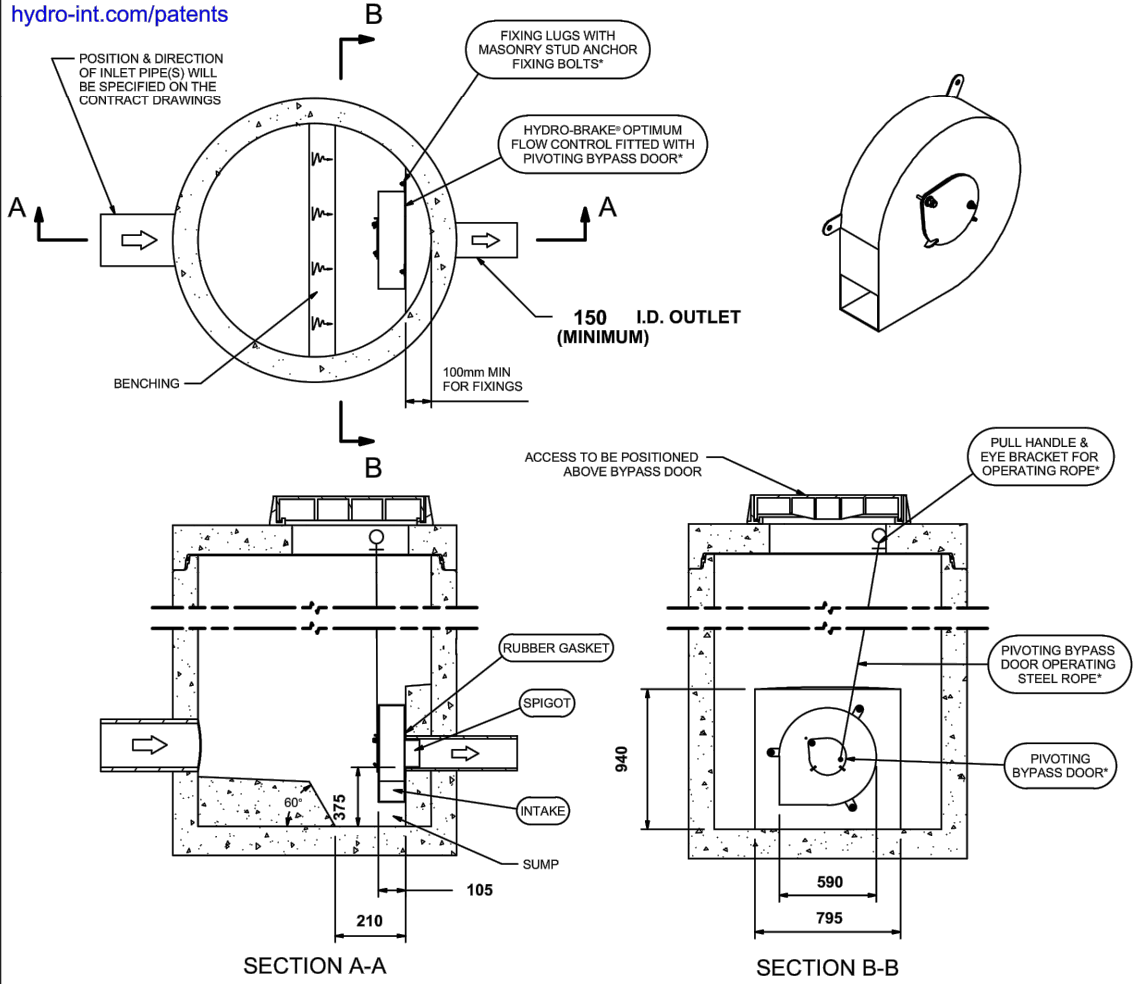


Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.400	5.000
Flush-Flo™	0.416	4.991
Kick-Flo®	0.855	3.980
Mean Flow		4.382

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® 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 headflow characteristics of this SHE-0100-5000-1400-5000 Hydro-Brake Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full headflow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	1/16/2020 9:33 AM
SITE	Coventry Road, Burbage
DESIGNER	Megan Nicholson
REF	CO19/327/10

© 2020 Hydro International Ltd, Shearwater House, Cleveland Hall Estate, Victoria Road, Cleveland, BS21 7TD. Tel: 01275 878271 Fax: 01275 874379 Web: www.hydro-int.com Email: enquiries@hydro-int.com nicholson@mssengineers.co.uk

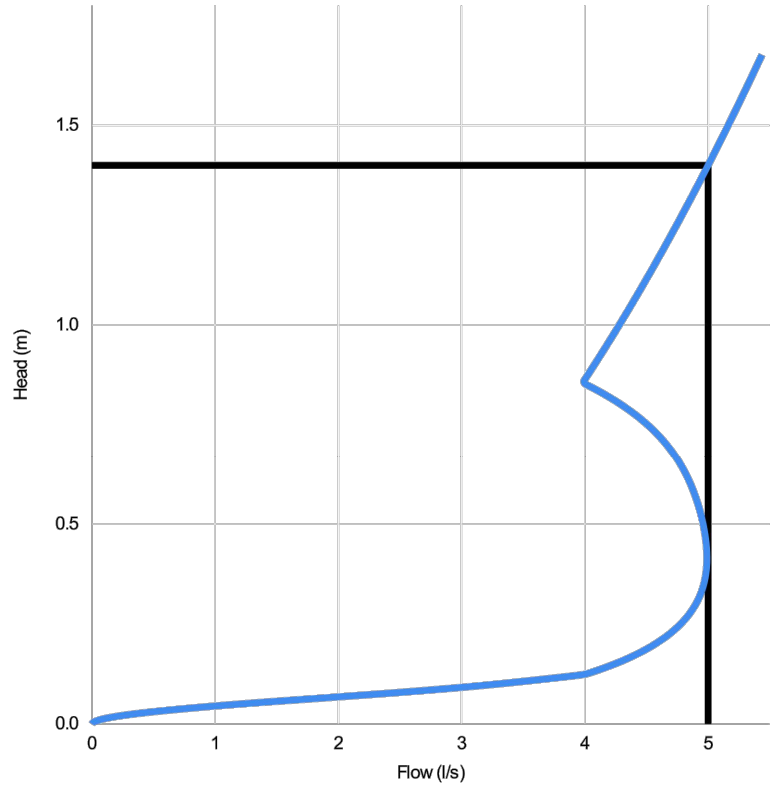
Hydro
International

SHE-0100-5000-1400-5000
Hydro-Brake® Optimum



Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.400	5.000
Flush-Flo	0.416	4.991
Kick-Flo®	0.855	3.980
Mean Flow		4.382

hydro-int.com/patents



Head (m)	Flow (l/s)
0.000	0.000
0.048	1.130
0.097	3.168
0.145	4.196
0.193	4.532
0.241	4.747
0.290	4.880
0.338	4.954
0.386	4.986
0.434	4.989
0.483	4.971
0.531	4.936
0.579	4.885
0.628	4.817
0.676	4.723
0.724	4.597
0.772	4.424
0.821	4.194
0.869	4.010
0.917	4.111
0.966	4.209
1.014	4.305
1.062	4.399
1.110	4.490
1.159	4.579
1.207	4.667
1.255	4.752
1.303	4.836
1.352	4.918
1.400	4.999

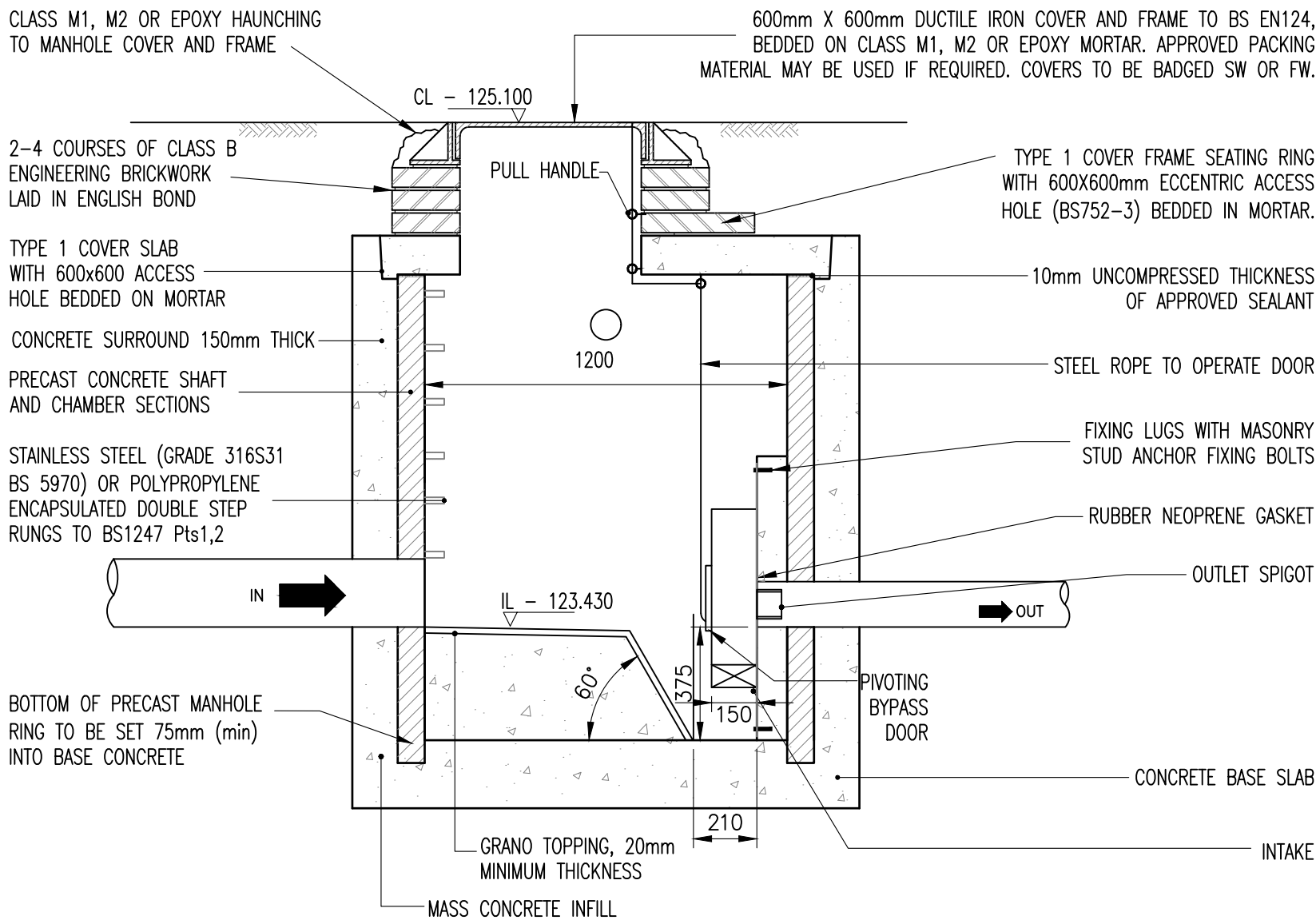
DESIGN ADVICE
The headflow characteristics of this SHE-0100-5000-1400-5000 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full headflow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	16/01/2020 09:33
Site	Coventry Road, Burbage
DESIGNER	Megan Nicholson
Ref	CO19/327/10

© 2018 Hydro International, Shearwater House, Cleveland Hall Estate, Victoria Road, Cleveland, BS21 7TD. Tel: 01275 878271 Fax: 01275 874379 Web: www.hydro-int.com Email: design@hydro-int.com

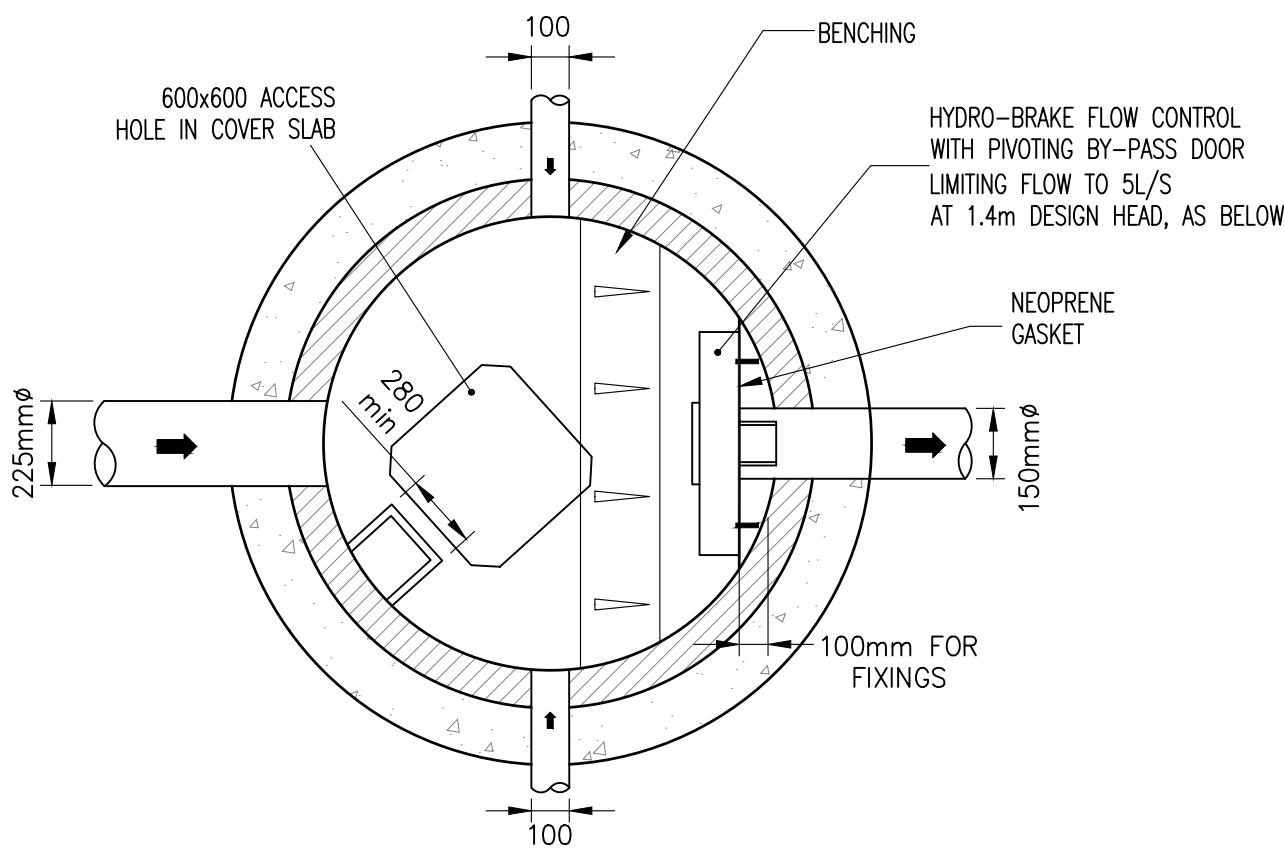
Hydro
International

SHE-0100-5000-1400-5000
Hydro-Brake Optimum®



TYPICAL SECTION THROUGH HYDROBRAKE MANHOLE

Scale 1:20



PLAN OF HYDROBRAKE MANHOLE

Scale 1:20

General Notes:

- Do not scale this drawing. All dimensions are in metres unless otherwise noted. Any discrepancies are to be recorded and reported to the engineers immediately.
- This drawing is to be read in conjunction with all other engineers and architects drawings, and the specification.
- All work is to be to the satisfaction of the engineer and local authority building control.
- The contractor is responsible for and must take all necessary precautions to ensure the stability of the works at all times during construction.
- All workmanship and materials are to be to current British Standards.
- All services are to be located and protected as necessary by the contractor prior to the commencement of the works.
- Any existing details which are shown on this drawing are for guidance only and are to be checked on site by the contractor. Any variations are to be recorded and reported to the engineer immediately.
- All highway works are to be in accordance with the local authorities design guide and specification.
- Prior to the occupation of the first dwelling, street nameplates shall be erected in accordance with the highway authority and to the wording agreed with the planning authority.
- During construction works on site, all roads and footpaths are to be swept and kept clear of obstructions, this is to include existing highways as appropriate to ensure safe passage of all road users.
- Provision shall be made for the installation of all mains services including ducting prior to the laying of the road base-course.
- All road markings and signs are to be in accordance with 'the traffic signs regulations and directions' 2016.
- All sewer works are to be in accordance with sewers for adoption 6th edition.
- All private connections to adoptable sewers should be a minimum of 100mm diameter (boul) and 150mm diameter (surface) made in vitrified clay connecting soffit to soffit.
- JMS does not take responsibility for the design, specification, performance or operation of any plant and/or machinery indicated on the drawings or calculations and it is the client's responsibility to ensure that any such item is suitable for the purpose intended.

Scale
As Shown

P1	Preliminary Issue		MN	BP
Issue	Notes	Drawn	Approved	Date
Issuing Office: ○ JMS Midlands (Nuneaton): Victoria Court, 25 Tennant Street Nuneaton, Warwickshire, United Kingdom, CV11 4LZ, Tel: 02476 350505				
Project Development at Coventry Road, Burbage				
Drawing Title Private Drainage Details Page 2 of 3				
Client Lance Building Contractors Ltd				
Project No. CO19/327/10	Drawing No. 003	Issue P1		

PRELIMINARY