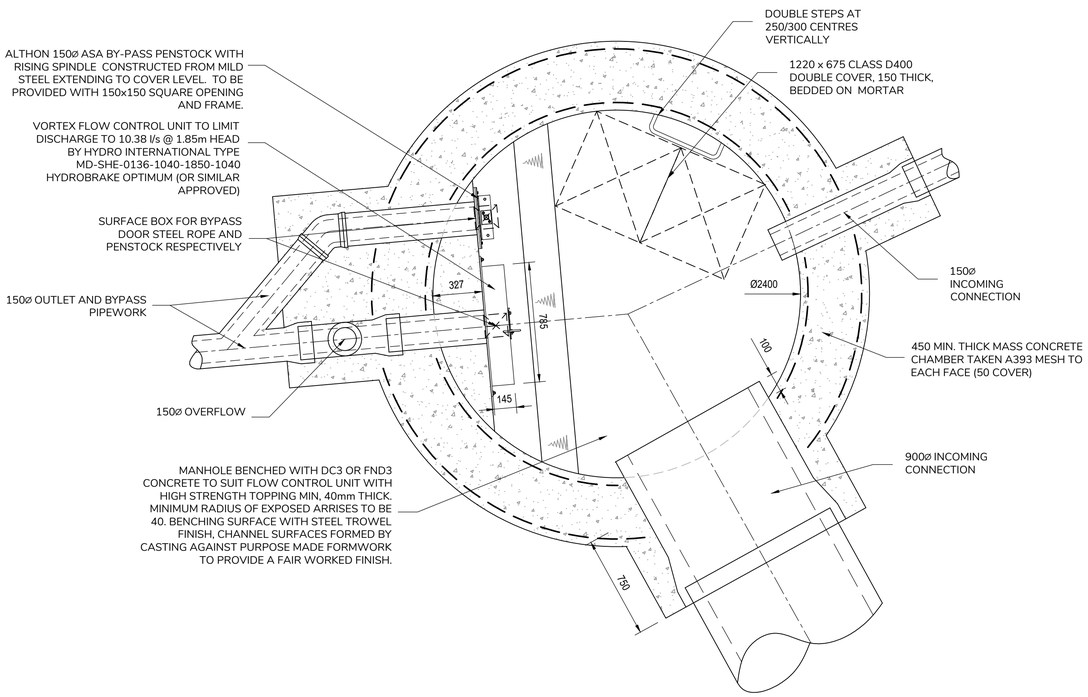
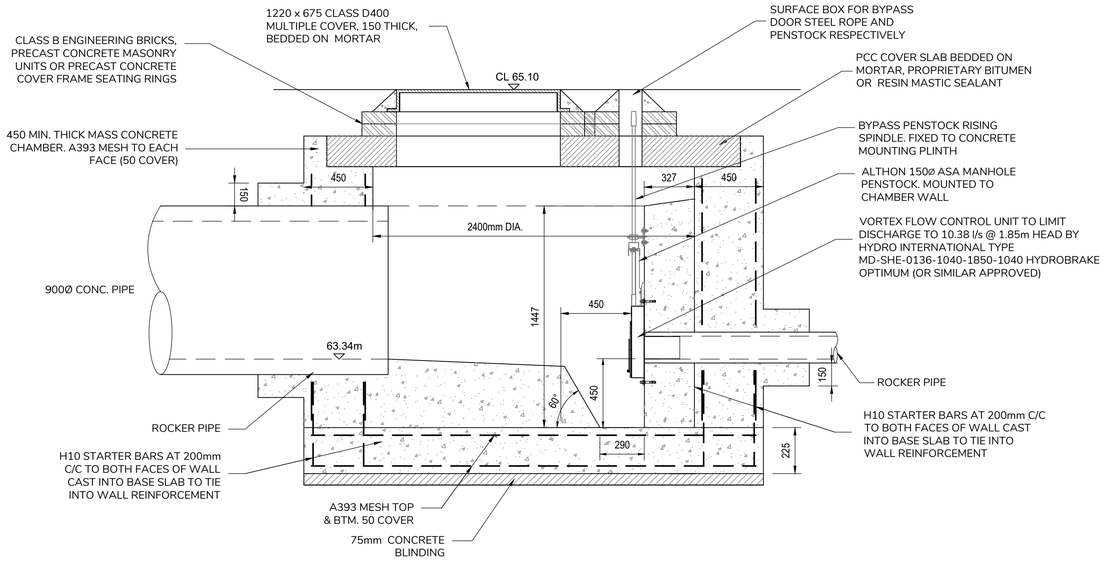
LM20066-DYSE-XX-ZZ-RP-C-0002
SuDS Verification Report P02
Appendix A - Specialist supplier information and product data review



FLOW CONTROL MANHOLE S1.28
PLAN



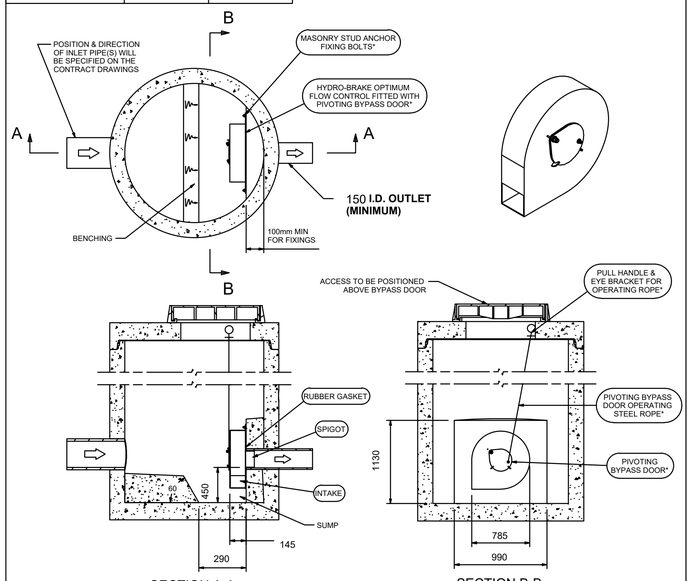
FLOW CONTROL MANHOLE S1.28
SECTION

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.850	10.400
Flush-Flo™	0.541	10.387
Kick-Flo	1.122	8.216
Mean Flow		9.099

Hydro-Brake Optimum Flow Control including:

3 mm grade 304L stainless steel
Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
Beed blasted finish to maximise corrosion resistance
Stainless steel fixings
Rubber gasket to seal outlet

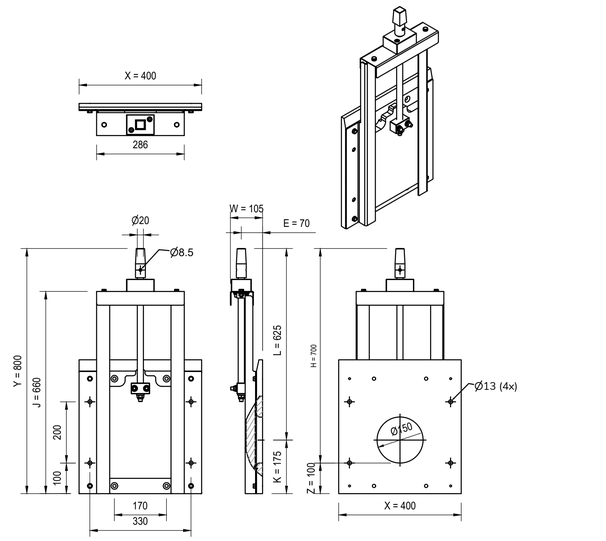


IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE FLOW CONTROL & HYDRO-BRAKE OPTIMUM FLOW CONTROL ARE REGISTERED 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-0136-31040-1850-1040 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		SHE-0136-1040-1850-1040 Hydro-Brake Optimum
SITE	Cringle Road. Manchester	
DESIGNER	Andy James	
REF	LM20066	

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ALTHON 150ø ASA PENSTOCK
SCALE 1:10

Residual Risks

These drawings should be read in conjunction with the designer's risk assessment (DRA) which communicates significant residual design risks that have been identified and suggests mitigating actions.

General Notes

1. All dimensions are in metres unless stated otherwise.
2. This drawing shall be read in conjunction with all other relevant engineering details, drawings and specifications.
3. Any discrepancies should be reported to the engineer immediately so that clarification can be sought prior to the commencement of work.
4. All work is to be carried out in accordance with the specification for highways works and local authority guidance.
5. Underground services may be present in the area. Contractor is to confirm the precise line and depth of any services prior to the commencement of any excavation works

Legend

Rev	Date	Description	Drw	Chk	Revd	App
P01	12/01/22	First issue	ARJ	BKD	JDY	JDY

Status:
Preliminary

Client:
Towerhouse Systems

Project:
Cringle Road
Manchester

Drawing:
S104 Flow Control Details

Drawing Number: LM20066-DYSE-XX-ZZ-DR-C-1135
Revision: P01

DYSE STRUCTURAL ENGINEERS

ISO A1 (594x841mm) Do Not Scale © Copyright DYSE Ltd 2021