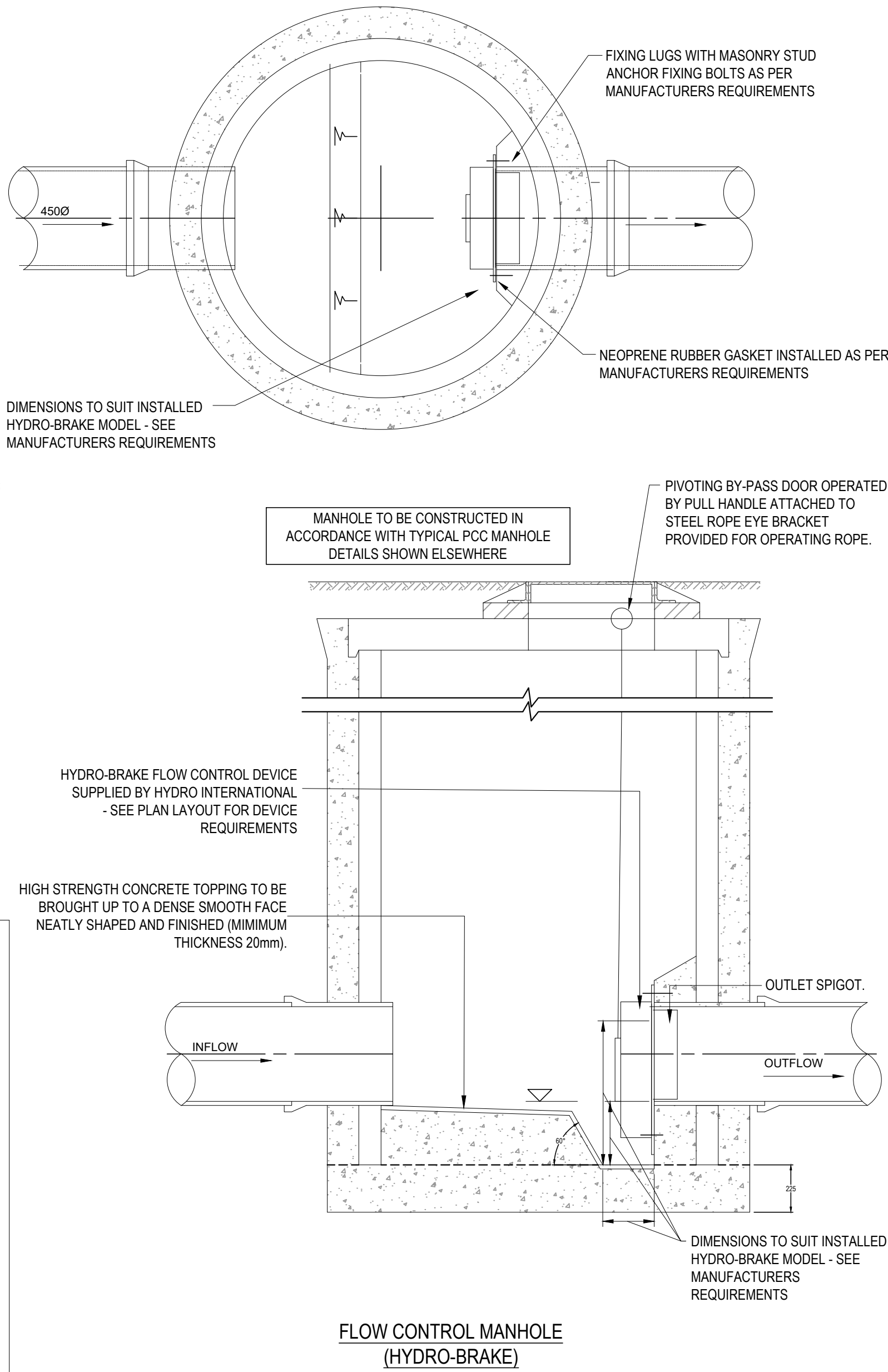
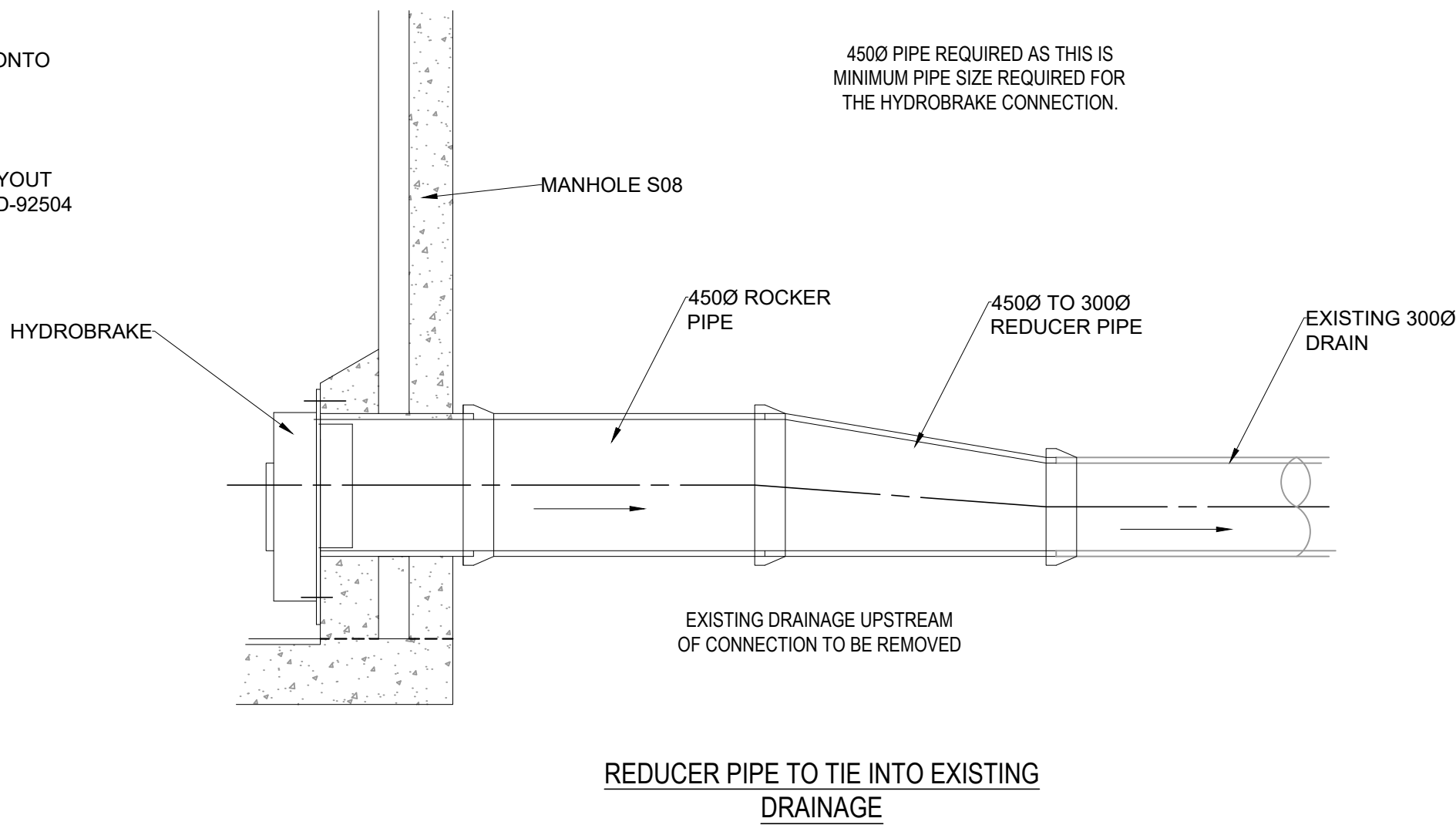
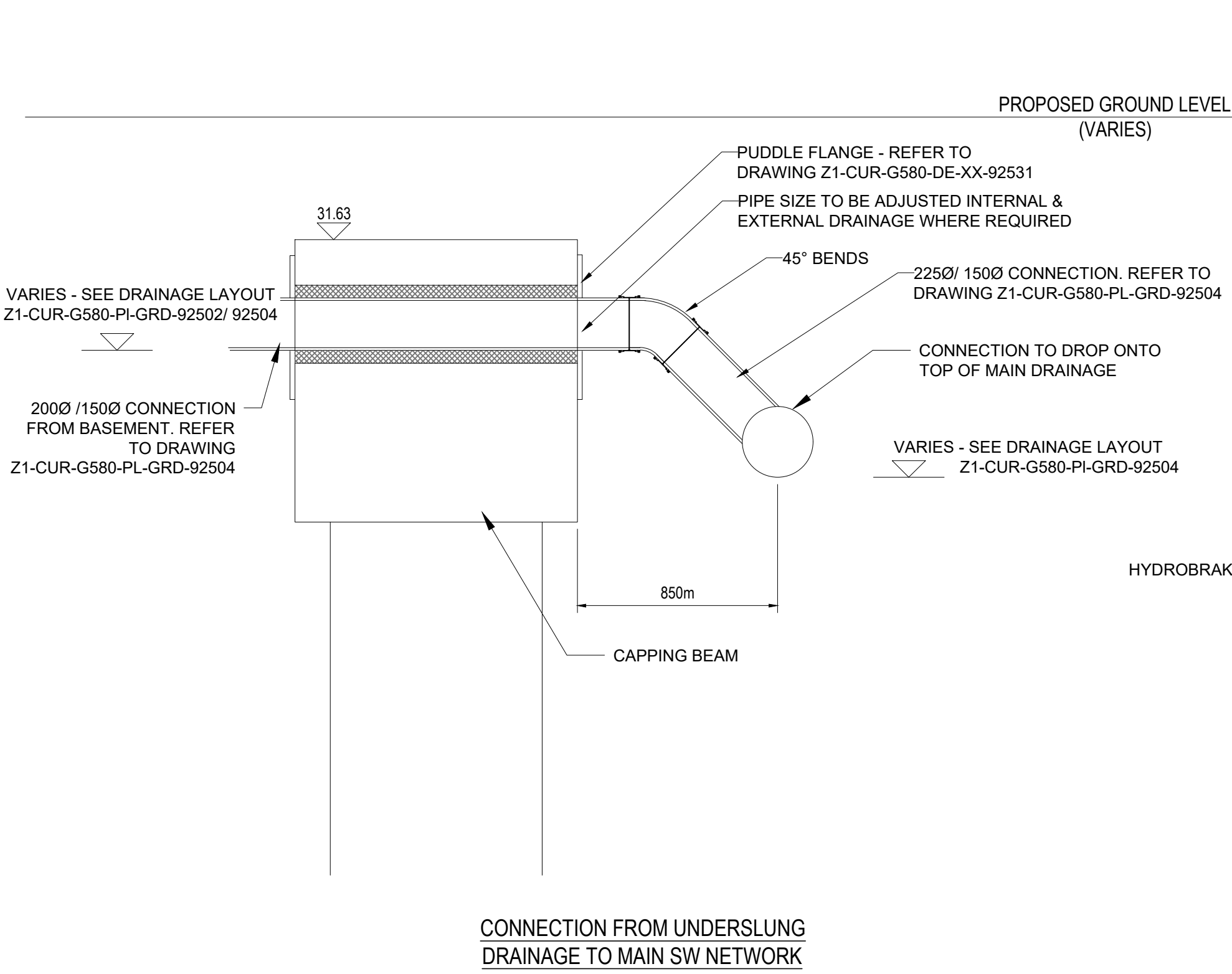
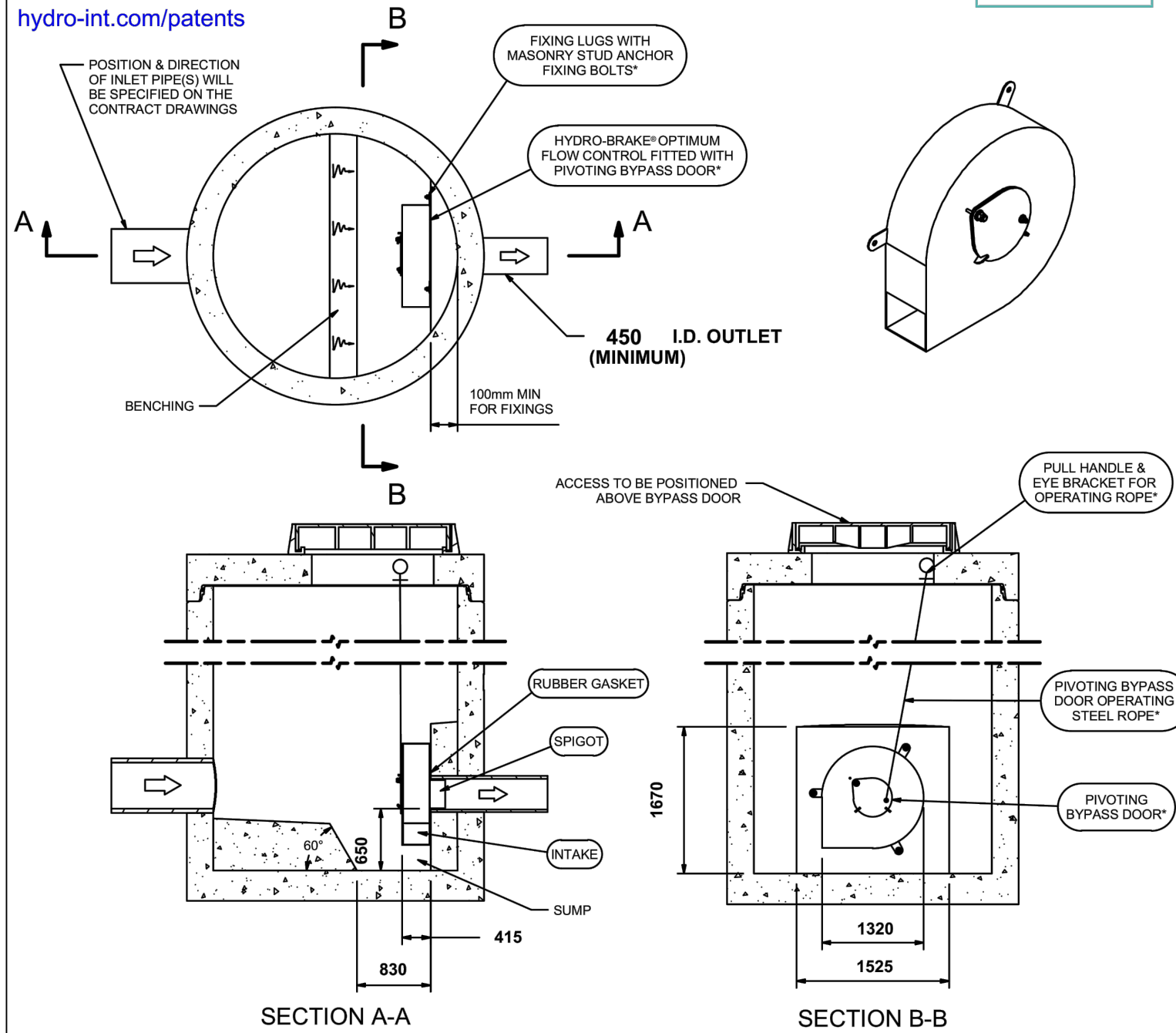




- GENERAL NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - REFER TO DRAWING Z1-CUR-G580-PL-GRD-92500 & 92501 FOR THE LOCATION OF THE ATTENUATION TANK.
 - FLOW CONTROL TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.
 - WHERE ALTERNATIVE FLOW CONTROL DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
 - FOR FULL DRAINAGE NOTES REFER TO DWG Z1-CUR-G580-PL-GRD-92510.

Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.800	115.000
Flush-Flo™	0.664	114.912
Kick-Flo®	1.320	98.900
Mean Flow		95.594

- Hydro-Brake® Optimum Flow Control including:
- 5 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
 - Indicative Weight: 180 kg



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

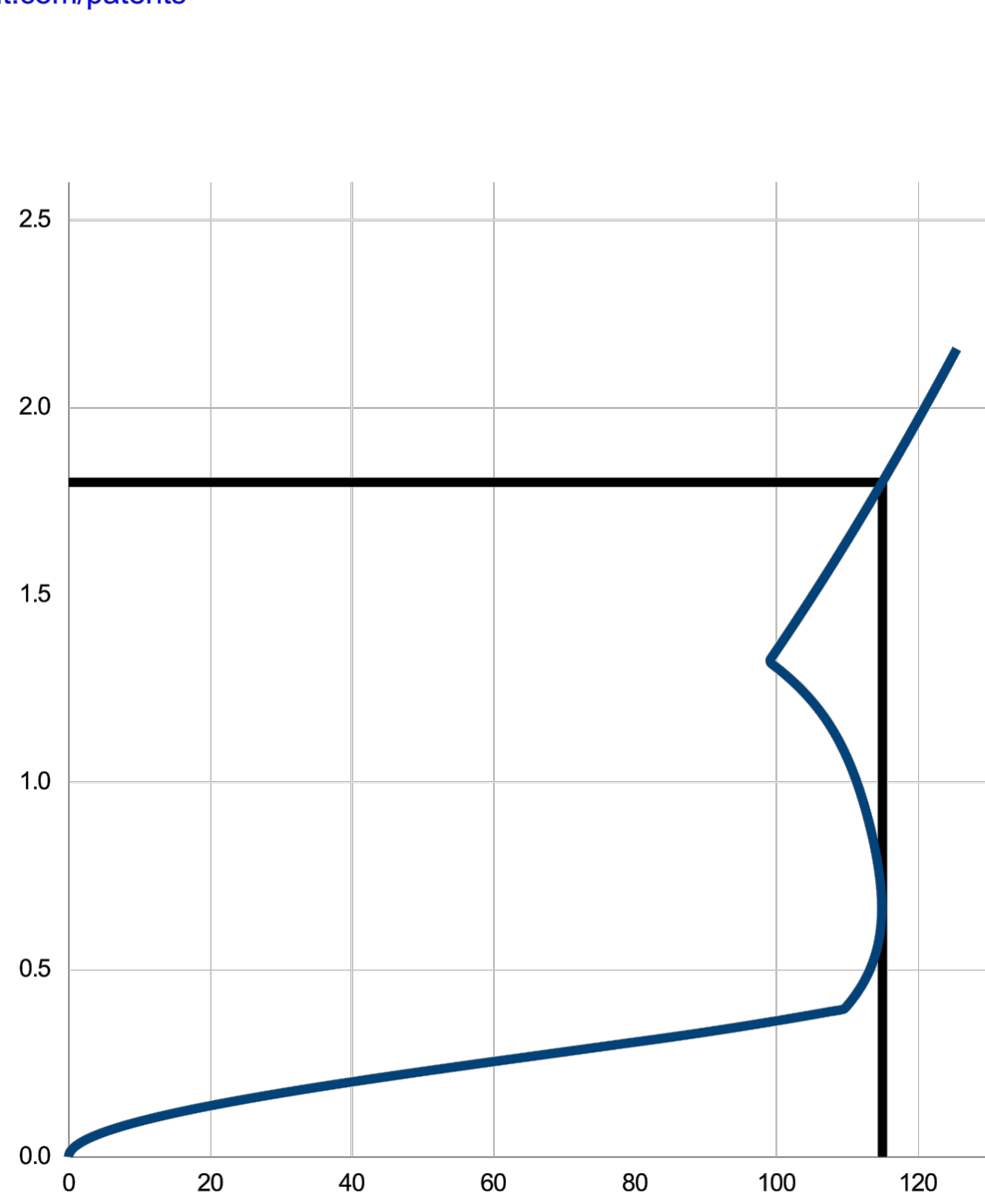
THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVISE ! The head/flow characteristics of this SHE-0408-1150-1800-1150 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.	Hydro International A CURTINS COMPANY	
	DATE	07/03/2024 20:46
	SITE	Plot F
	DESIGNER	Andrew Losty
REF		078524 - S8
© 2024 Hydro International Ltd - Unit 2, Rivermead Court - Kenn Business Park - Windmill Road - Kenn - Clevedon - BS21 6FT. Tel: 01275 878371 - www.hydro-int.com - Email: Enquiries@hydro-int.com		
andy.losty@curtins.com		

Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.800	115.000
Flush-Flo™	0.664	114.912
Kick-Flo®	1.320	98.900
Mean Flow		95.594



hydro-int.com/patents



Head (m)	Flow (l/s)
0.000	0.000
0.062	4.445
0.124	16.780
0.186	35.264
0.248	57.770
0.310	81.667
0.372	102.999
0.434	111.296
0.497	113.162
0.559	114.283
0.621	114.817
0.683	114.895
0.745	114.630
0.807	114.115
0.869	113.410
0.931	112.545
0.993	111.507
1.055	110.241
1.117	108.643
1.179	106.567
1.241	103.824
1.303	100.196
1.366	100.533
1.428	102.724
1.490	104.867
1.552	106.965
1.614	109.022
1.676	111.038
1.738	113.018
1.800	114.961

DESIGN ADVISE ! The head/flow characteristics of this SHE-0408-1150-1800-1150 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.	Hydro International A CURTINS COMPANY	
	DATE	07/03/2024 20:46
	Site	Plot F
	DESIGNER	Andrew Losty
Ref		078524 - S8
© 2023 Hydro International, Rivermead Court, Kenn Business Park, Windmill Road, Kenn, Clevedon, BS21 6FT. Tel: 01275 878371 Fax: 01275 874979 Web: www.hydro-int.com Email: designtools@hydro-int.com		

CO1	ISSUED FOR CONSTRUCTION	28.07.25	JC	ATL
P04	DRAFT UPDATE TO INCLUDE PLOT F1 (STAGE 4)	08.05.24	JC	ATL
P03	ISSUED FOR STAGE 4	08.03.24	ATL	CG
P02	DRAFT ISSUE FOR COMMENT	13.09.23	ATL	CG
P01	ISSUED FOR STAGE 3/PLANNING CONDITIONS	28/07/23	KS	CG
Rev:	Description:	Date:	By:	Chkd:

Curtins

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 235 2384
manchester@curtins.com
www.curtins.com

Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Liverpool • London • Manchester • Nottingham

Status:	CONSTRUCTION	CR
---------	--------------	----

Project: PLOT F, GREAT JACKSON STREET

Dwg Title:

DRAINAGE DETAILS SHEET 3

Drawn By	KS	Designed By	KS	Checked By	CG
Curtins Project Reference	078524	Date	05/07/23	Scales	@ A1 NTS
Project No - Originator - Function - Spatial - Form - Discipline - Number					Revision
Z1 - CUR - G580 - DE-XX- 92532					C01