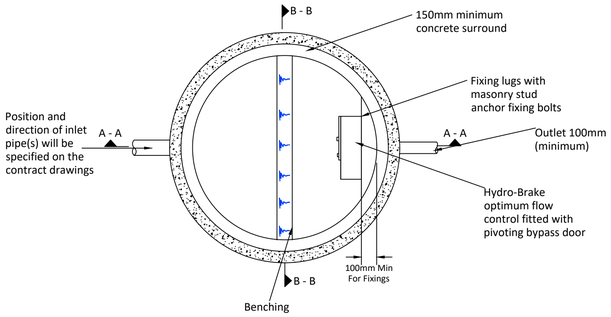
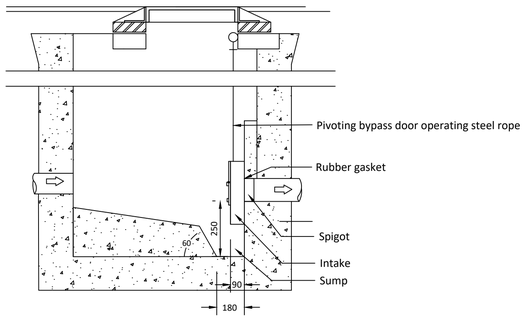
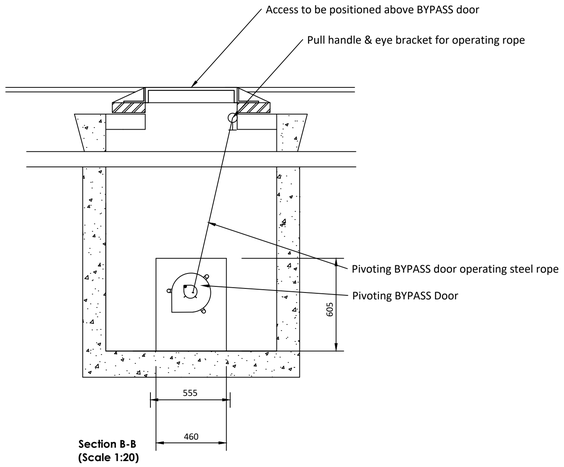




Section A-A
(Scale 1:20)



Section B-B
(Scale 1:20)

Flow Control Manhole
(Scale 1:20)

MH Ref	Cover Level			Invert Level			Depth	MH Type	Internal Dia/Size		Cover Details	Eastings (m)	Northings (m)
IC-0101 S	2.000	m	AOD	1.100	m	AOD	0.900	PPIC	1200	mm	450 x 450 D400	2220.675	1726.723
IC-0102 S	1.900	m	AOD	0.950	m	AOD	0.950	PPIC	1200	mm	450 x 450 D400	2228.433	1715.017
IC-0103 S	1.900	m	AOD	0.840	m	AOD	1.060	PPIC	1200	mm	450 x 450 D400	2230.835	1706.350
MH-0106 S	1.650	m	AOD	0.220	m	AOD	1.430	Type C	1200	mm	450 x 450 D400	2254.856	1670.115
IC-0107 S	2.000	m	AOD	1.200	m	AOD	0.800	PPIC	1200	mm	450 x 450 D400	2187.968	1644.053
IC-0108 S	1.900	m	AOD	1.050	m	AOD	0.850	PPIC	1200	mm	450 x 450 D400	2188.872	1652.702
IC-0109 S	1.850	m	AOD	0.900	m	AOD	0.950	PPIC	1200	mm	450 x 450 D400	2194.014	1659.128
IC-0110 S	1.775	m	AOD	0.650	m	AOD	1.125	PPIC	1200	mm	450 x 450 D400	2215.740	1669.589
MH-0111 S	1.750	m	AOD	0.500	m	AOD	1.250	Type C	1200	mm	450 x 450 D400	2227.037	1682.590
MH-0112 S	1.700	m	AOD	0.350	m	AOD	1.350	Type C	1200	mm	450 x 450 D400	2243.202	1675.822
MH-0113 S	1.630	m	AOD	0.280	m	AOD	1.350	Type C	1200	mm	450 x 450 D400	2246.500	1667.358
MH-0114 S	1.755	m	AOD	0.380	m	AOD	1.375	Type B	1200	mm	450 x 450 D400	2252.816	1646.759
MH-0115 S	1.600	m	AOD	0.160	m	AOD	1.440	Type C	1200	mm	450 x 450 D400	2267.625	1674.327

Storm water manhole schedule

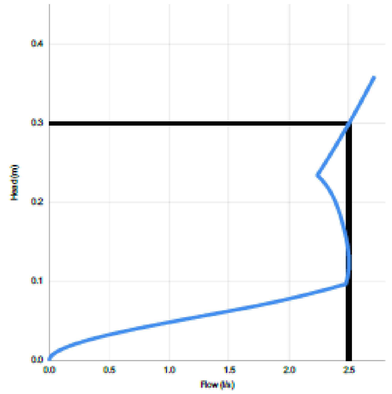
Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	0.300	2.500
Flush-Flo	0.124	2.500
Kick-Flo®	0.234	2.235
Mean Flow		1.984

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE No 08L/45086

WRc APPROVED PT/329/0412

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Head (m)	Flow (l/s)
0.000	0.000
0.010	0.055
0.021	0.212
0.031	0.454
0.041	0.762
0.052	1.114
0.062	1.482
0.072	1.831
0.083	2.127
0.093	2.387
0.103	2.484
0.114	2.496
0.124	2.500
0.134	2.496
0.145	2.488
0.155	2.475
0.166	2.460
0.176	2.442
0.186	2.422
0.197	2.398
0.207	2.368
0.217	2.330
0.228	2.279
0.238	2.251
0.248	2.295
0.259	2.337
0.269	2.379
0.279	2.420
0.290	2.460
0.300	2.500

DESIGN ADVICE

The head/flow characteristics of this SHE-0085-2500-0300-2500 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

DATE	27/05/2021 14:51
Site	Chapelgate
DESIGNER	Androniki Tourliadou
Ref	21138

SHE-0085-2500-0300-2500

Hydro-Brake Optimum®

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Rev	Revision	Drn	App	Date
P1	PRELIMINARY – FOR APPROVAL	APW	APW	08/20

SHIELDS WILSON
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STRUCTURAL AND CIVIL ENGINEERING

Status: Preliminary

Client: Scenic Homes

Project: Chapelgate, Sutton St James

Title: Drainage Details (Sheet 2 of2)

Date	27-05-2021	Scale @A1	Drawing No.	Rev
Appr		1:200	006	P1

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