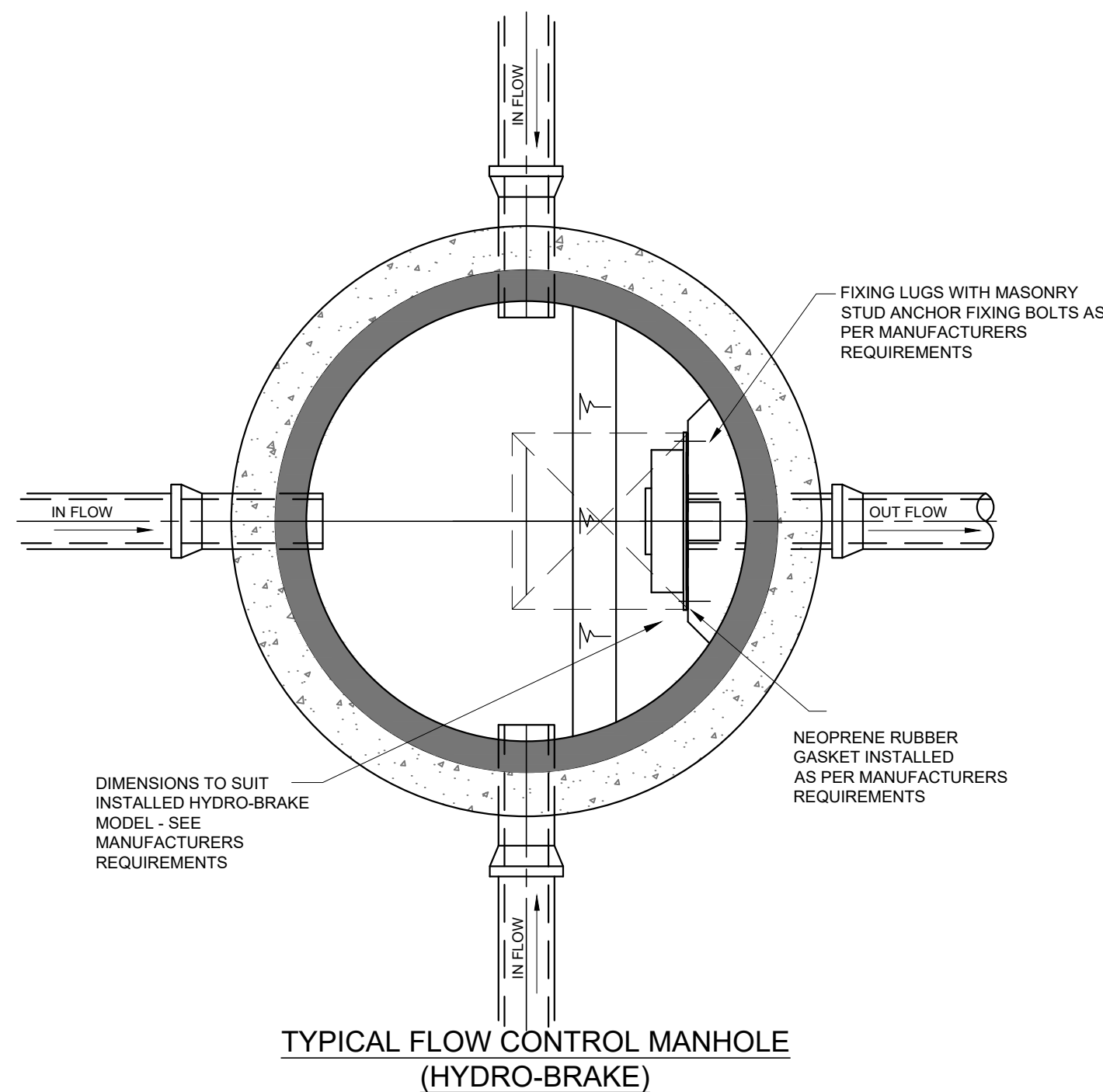
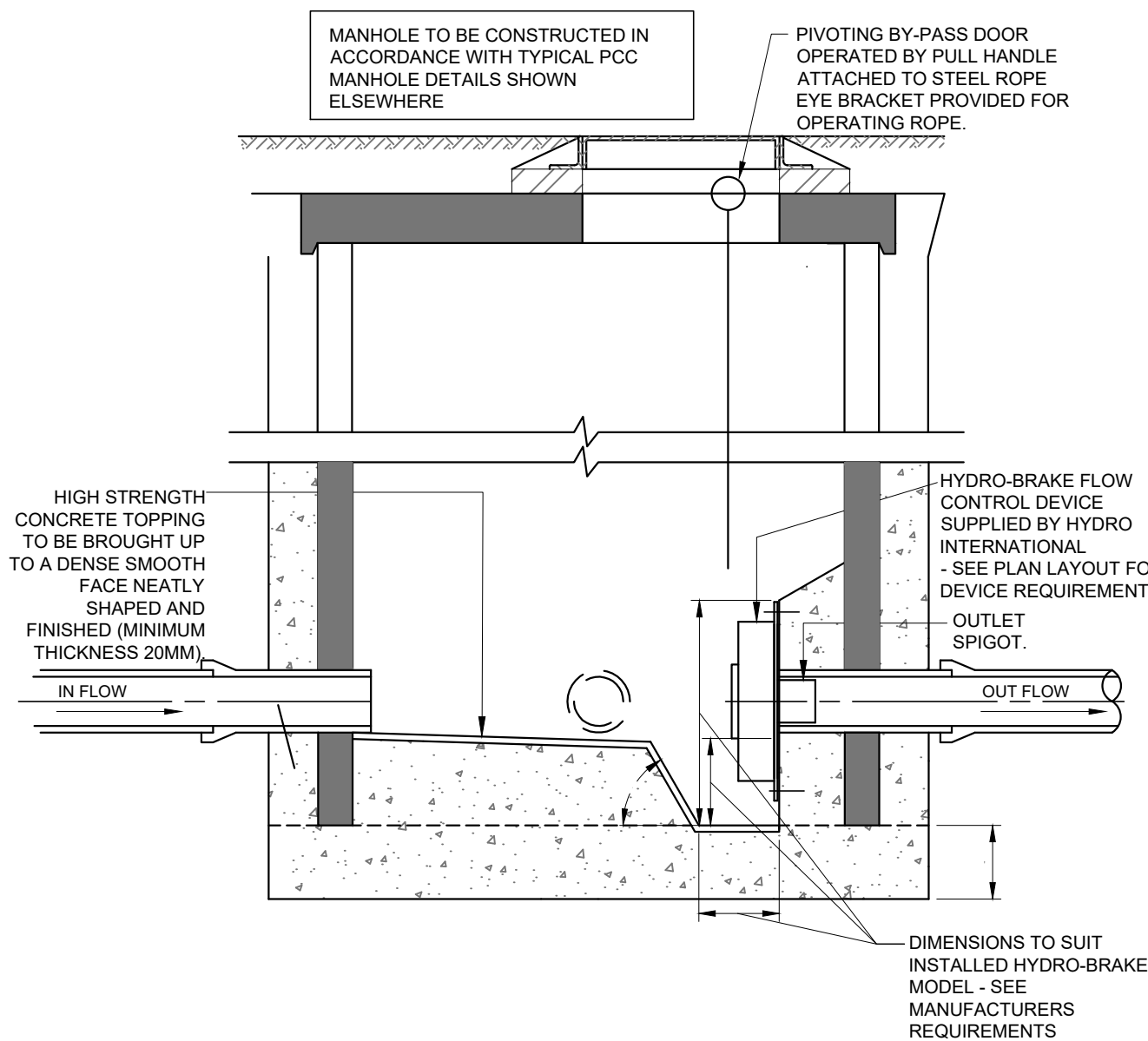




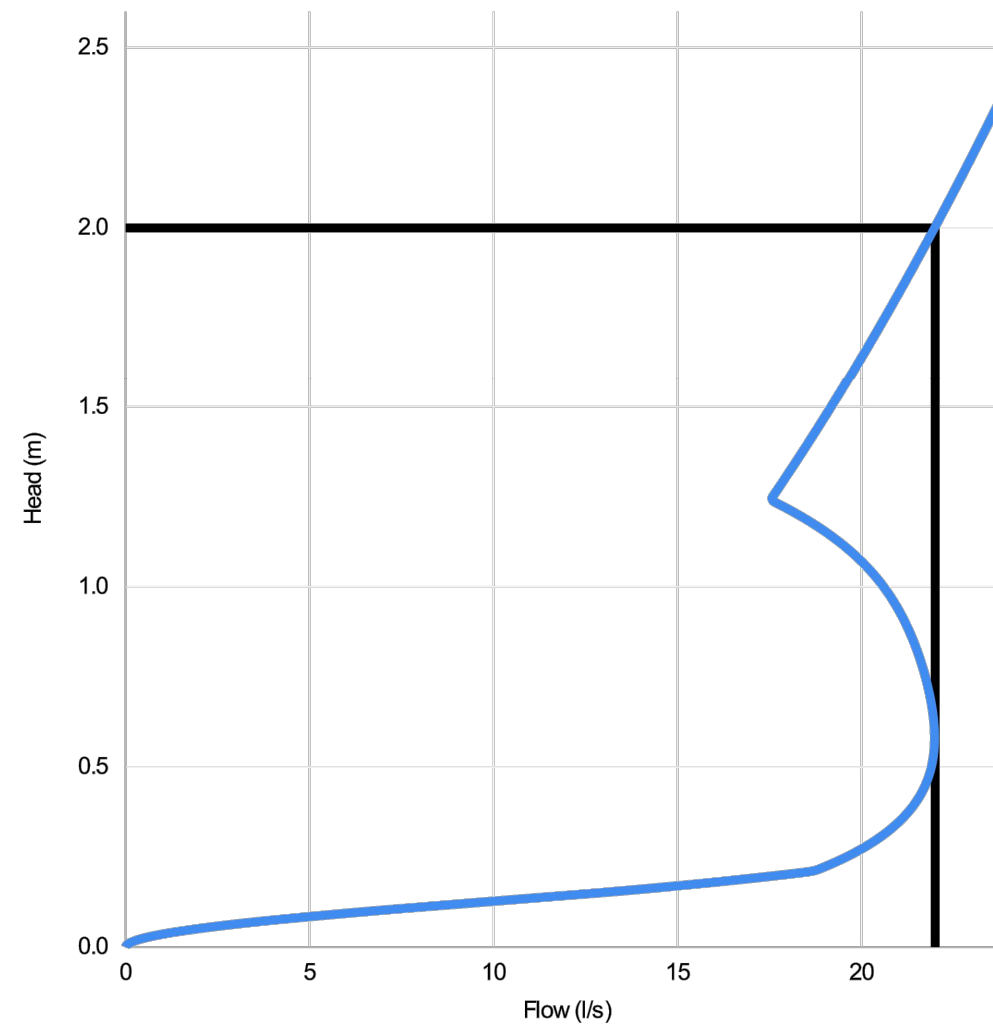
GENERAL NOTES:

- 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 THE DRAINAGE LAYOUT FOR THE LOCATION OF THE FLOW CONTROL.
- FLOW CONTROL TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- WHERE ALTERNATIVE FLOW CONTROL DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
- 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.

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	2.000	22.000
Flush-Flo	0.580	21.986
Kick-Flo®	1.240	17.512
Mean Flow		19.135

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Head (m)	Flow (l/s)
0.000	0.000
0.069	3.437
0.138	11.295
0.207	18.413
0.276	20.055
0.345	20.984
0.414	21.548
0.483	21.854
0.552	21.975
0.621	21.969
0.690	21.873
0.759	21.712
0.828	21.493
0.897	21.208
0.966	20.834
1.034	20.332
1.103	19.651
1.172	18.735
1.241	17.577
1.310	17.976
1.379	18.419
1.448	18.851
1.517	19.272
1.586	19.684
1.655	20.087
1.724	20.481
1.793	20.867
1.862	21.246
1.931	21.618
2.000	21.983

DESIGN ADVICE The head/flow characteristics of this SHE-0192-2200-2000-2200 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	13/10/2020 13:50
Site	LRFS
DESIGNER	Marta Jarzembowska
Ref	060270

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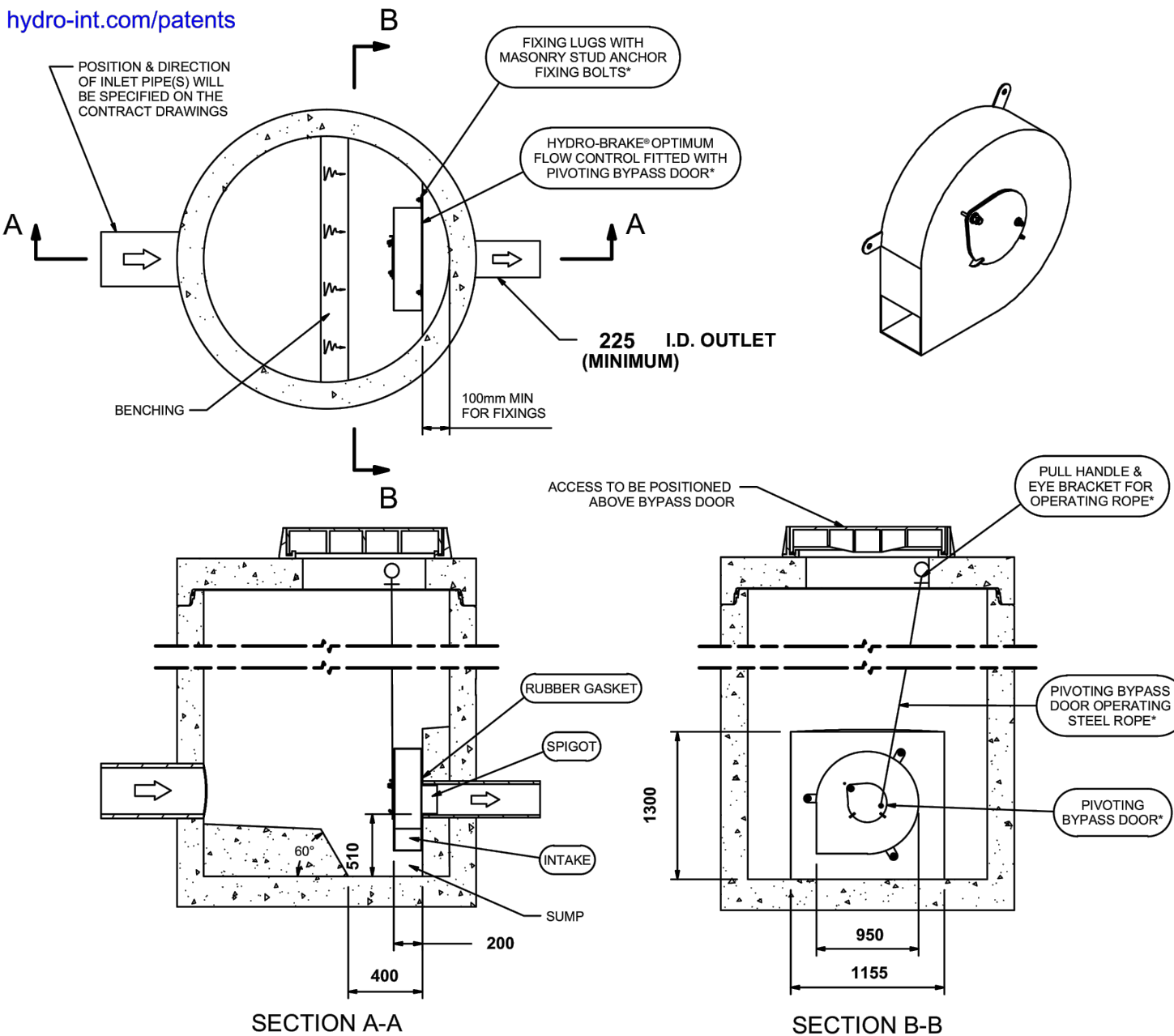
Hydro International

SHE-0192-2200-2000-2200
Hydro-Brake Optimum®

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	2.000	22.000
Flush-Flo™	0.580	21.986
Kick-Flo®	1.240	17.512
Mean Flow		19.135

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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 head/flow characteristics of this SHE-0192-2200-2000-2200 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	10/13/2020 1:50 PM
SITE	LRFS
DESIGNER	Marta Jarzembowska
REF	060270

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marta.jarzembowska@curtins.com

Hydro International

SHE-0192-2200-2000-2200
Hydro-Brake® Optimum

C01	CONSTRUCTION ISSUE	24/06/22	LK	MW
P03	STAGE 4	13/10/20	MW	MW
P02	STAGE 4 DRAFT	07/09/20	MW	MW
P01	STAGE 3 ISSUE	31/01/20	MW	MW

Rev:	Description:	Date:	By:	Chkd:
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Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kentish • Leeds • Liverpool • London • Manchester • Nottingham

Status:

STAGE 5

Project:

LONDON ROAD FIRE STATION

Orig Title:

DRAINAGE DETAIL
SHEET 4 OF 5

Size: A1 Date: 31/01/19 Drawn By: MW Designed By: MW Checked By: MW

Scale: NTS

Project No: 060270 Originator: CUR Zone: 00 Level: XX Type: DR Discipline: C Number: 92523 Rev: C01