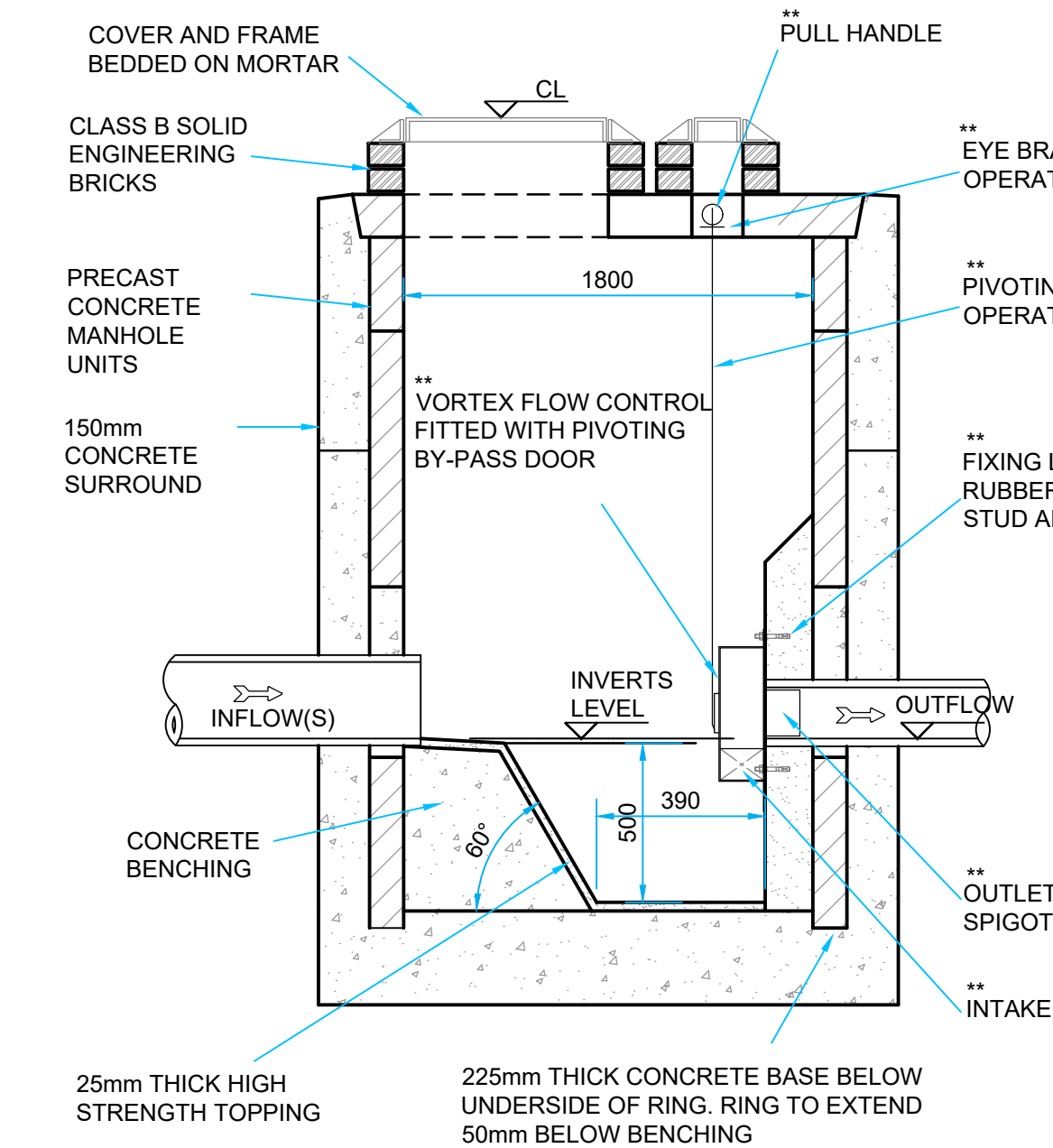
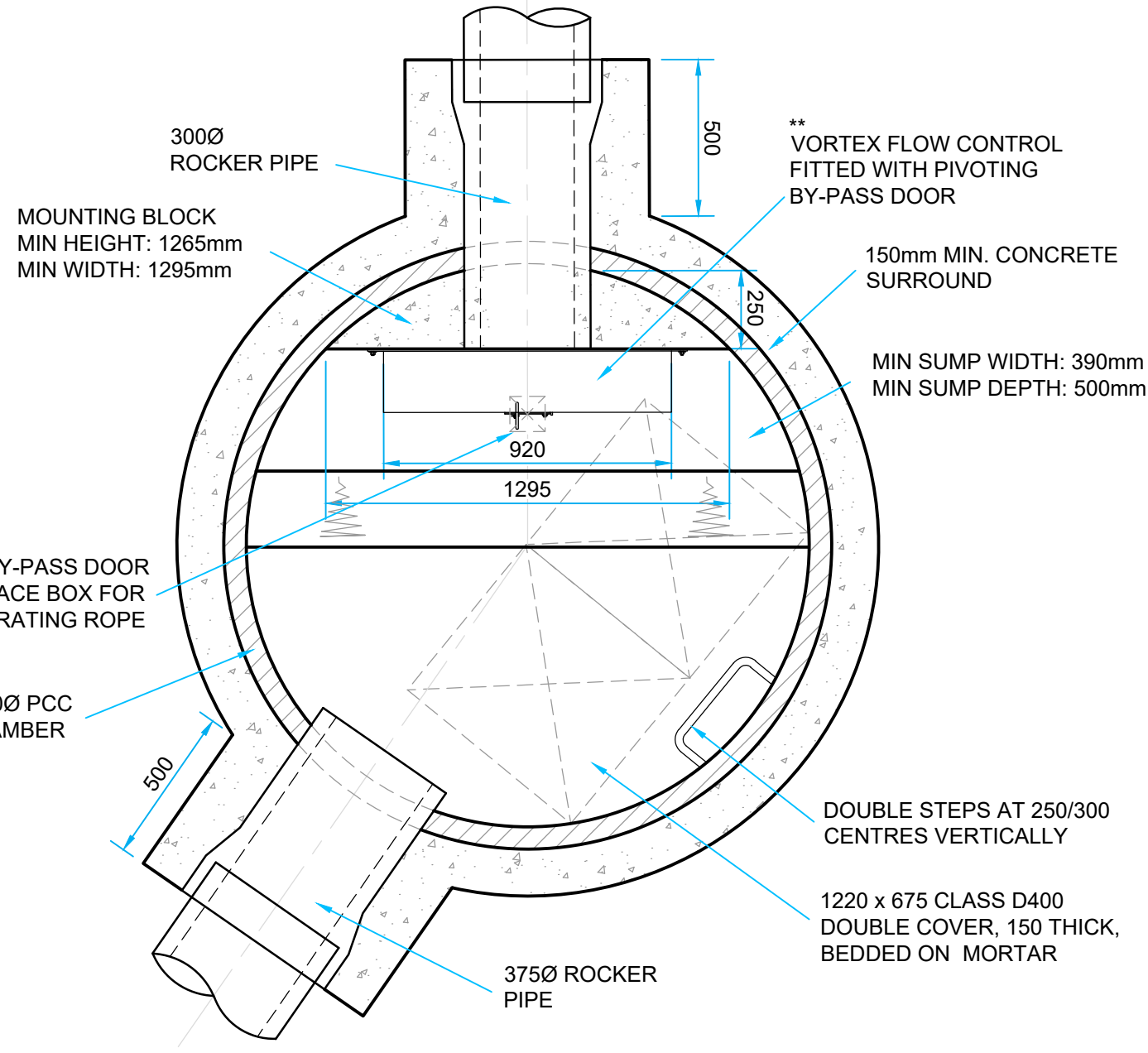




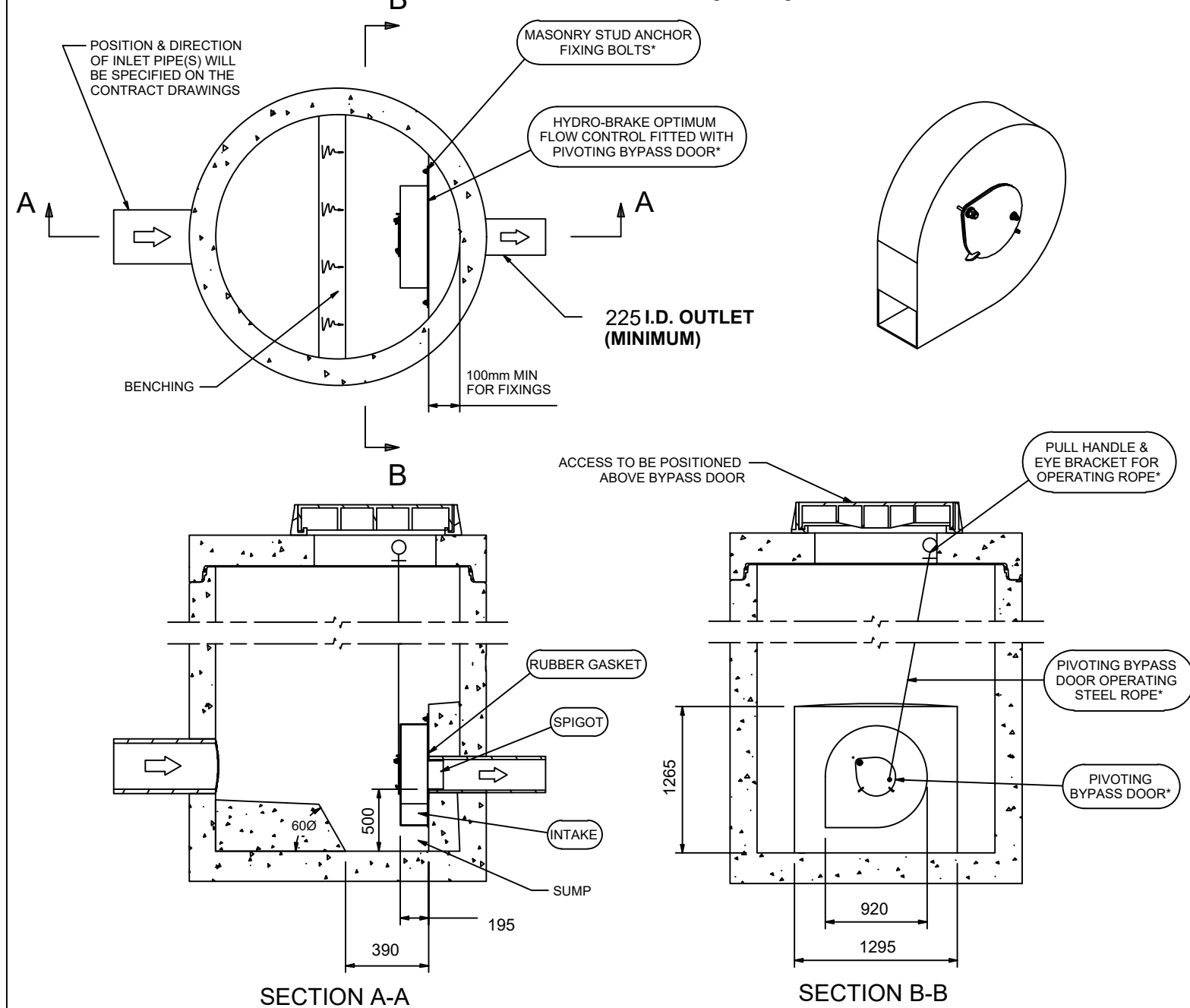
VORTEX FLOW CONTROL MANHOLE

NOT TO SCALE
FOR LOCATION OF VORTEX FLOW CONTROL MANHOLES REFER TO ROC DRAINAGE GENERAL ARRANGEMENT DRAWINGS

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.925	20.000
Flush-Fl	0.564	19.987
Kick-Fl	1.199	15.960
Mean Flow		17.407

- 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
 - Media blasted for corrosion resistance
 - Stainless steel fixings
 - Rubber gasket to seal outlet
 - Variable flow rate post installation via adjustable inlet
 - Indicative weight: 80kg



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.

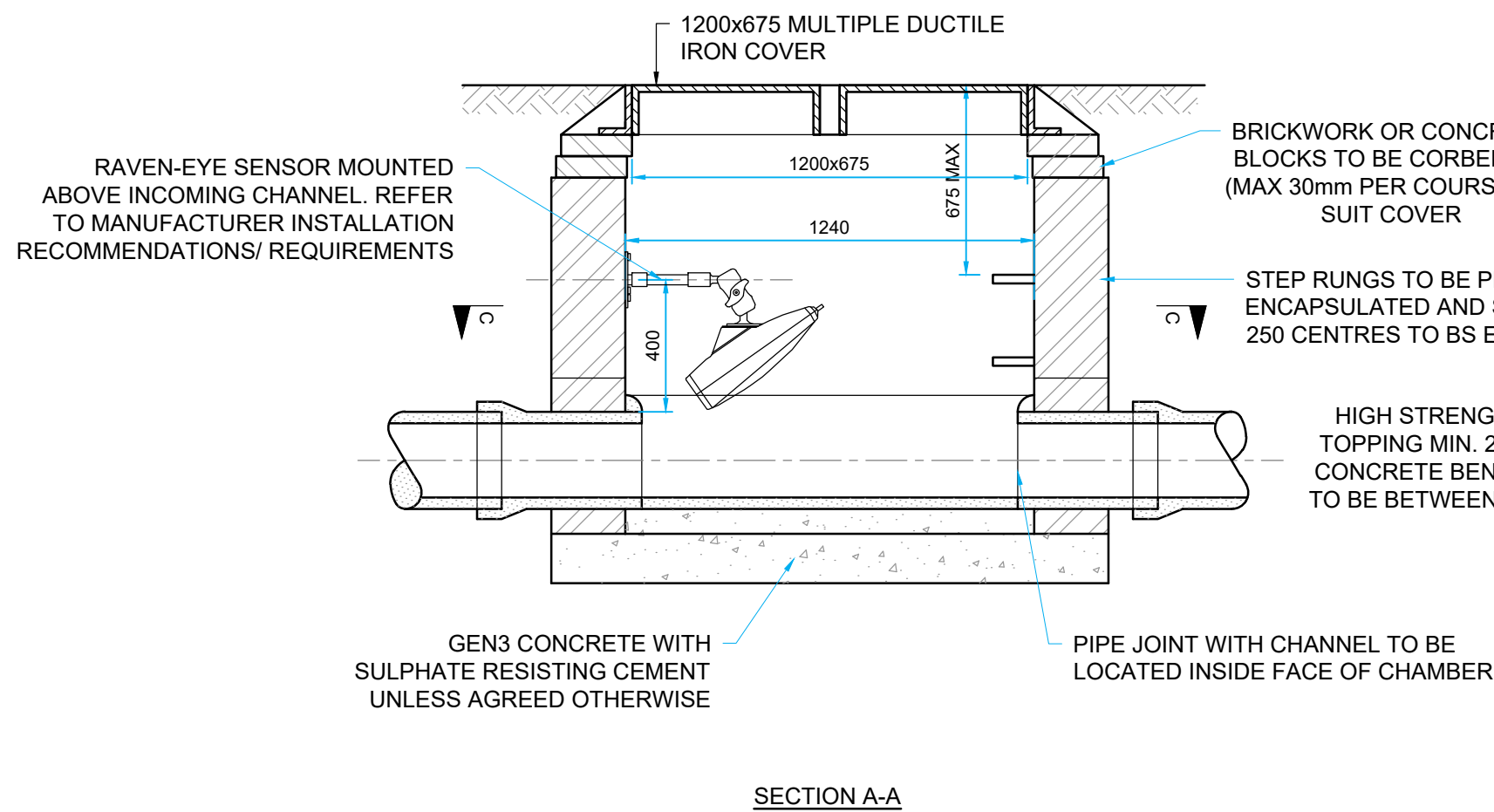
DESIGN ADVICE
The head/flow characteristics of this SHE-0185-2000-1925-2000 Hydro-Brake Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE
SITE
DESIGNER
REF

Premier Inn, Manchester Airport
Andy James
4700

SHE-0185-2000-1925-2000
Hydro-Brake Optimum

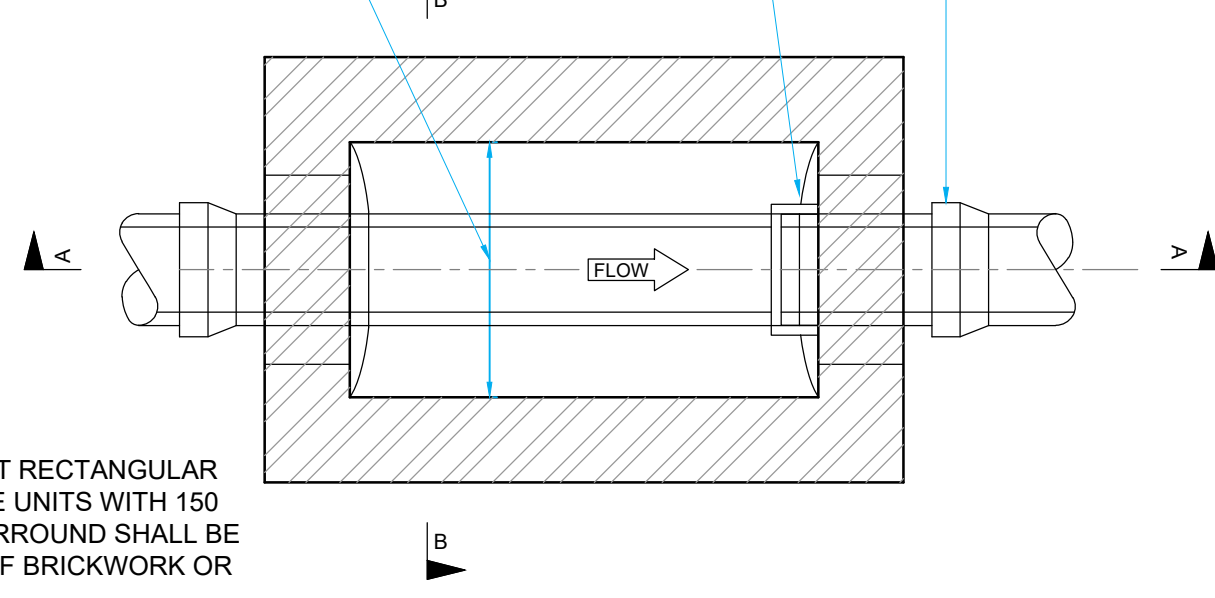
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CHAMBER WIDTH IS TO BE INCREASED FOR PIPES LARGER THAN 225 DIA. TO GIVE 225 BENCHING EACH SIDE WITH BRICKWORK/BLOCKWORK CORBELLED TO SUIT COVER.

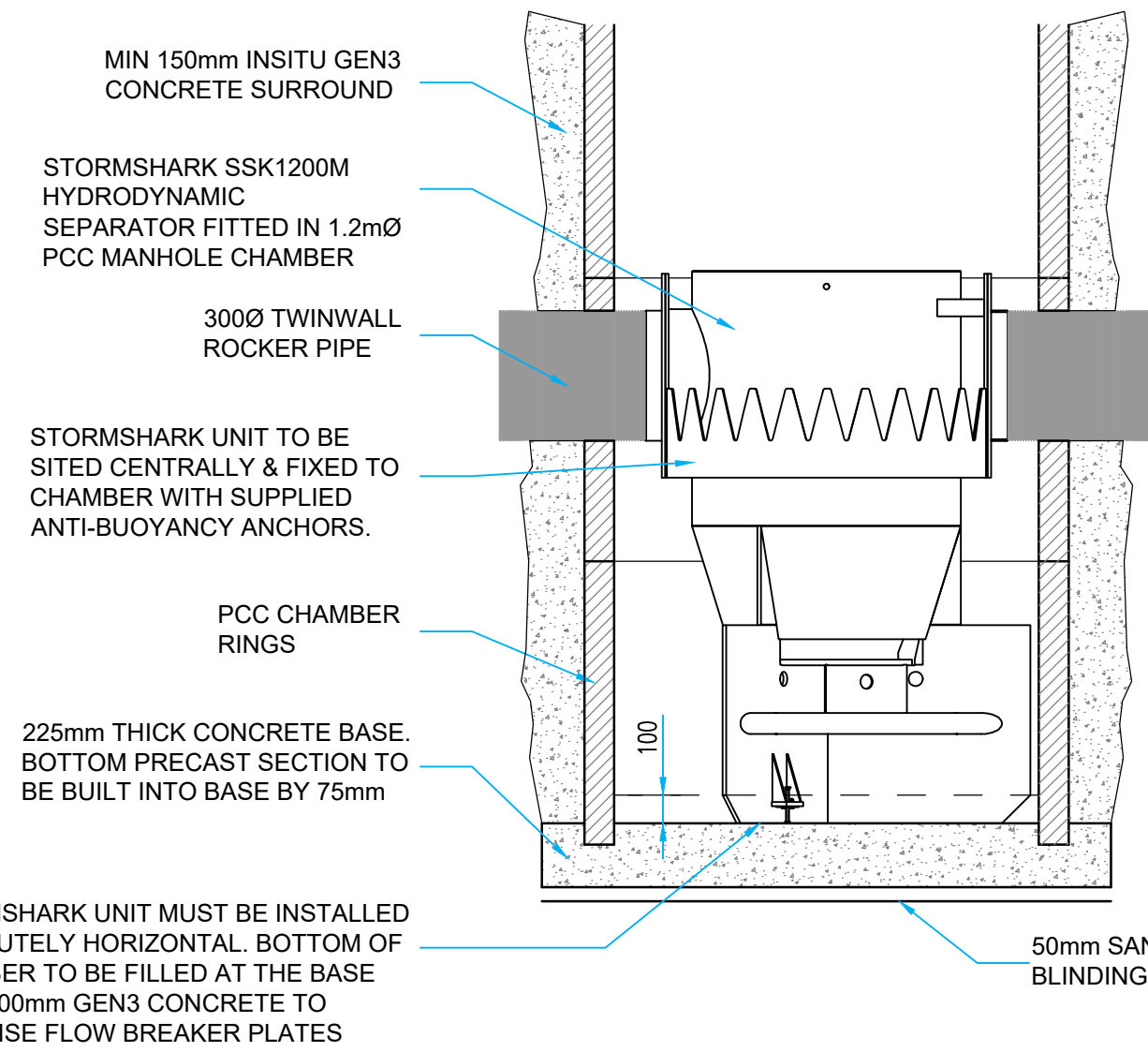
PIPE JOINT WITH CHANNEL TO BE LOCATED INSIDE FACE OF CHAMBER

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT.



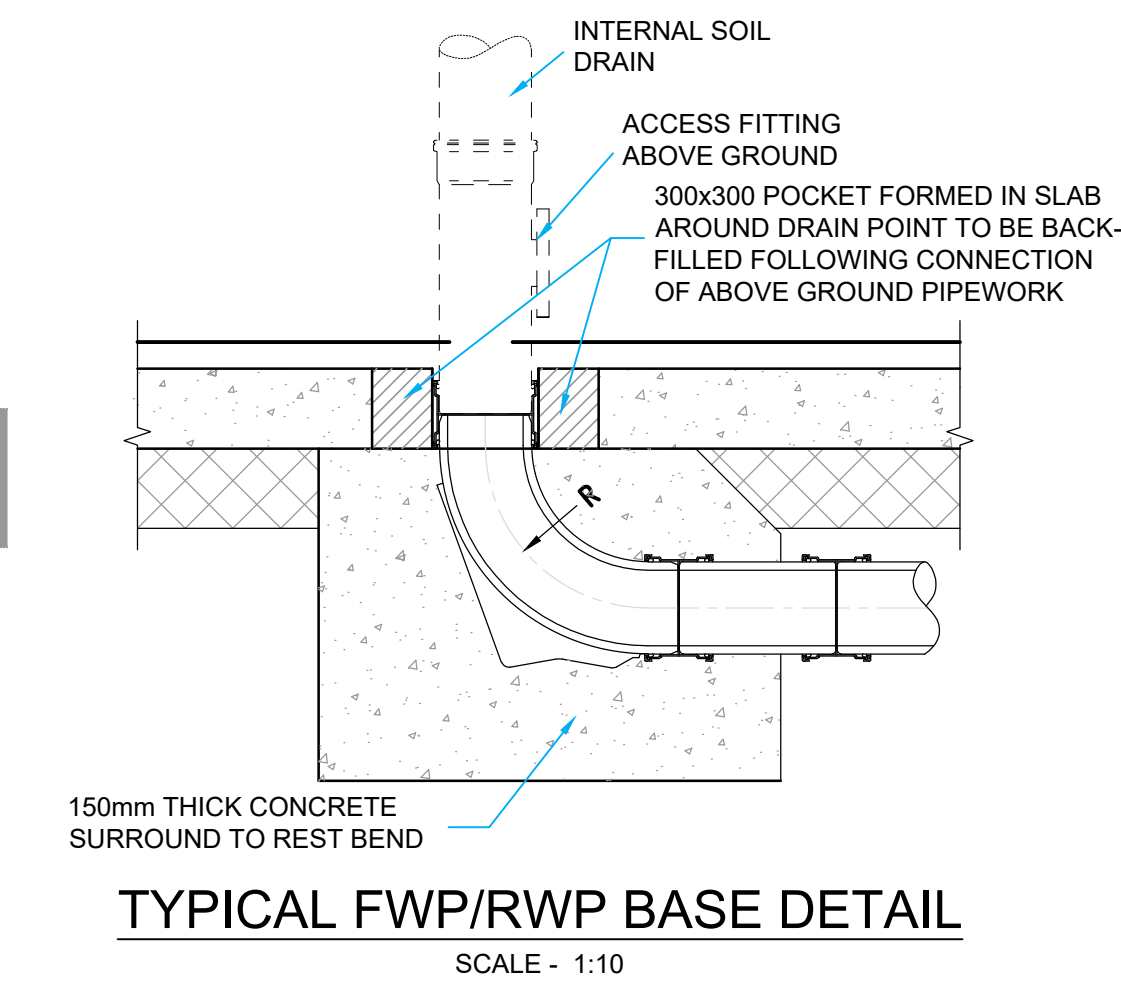
MANHOLE DETAIL TYPE E (FOUL FLOW METER)

SCALE - 1:20



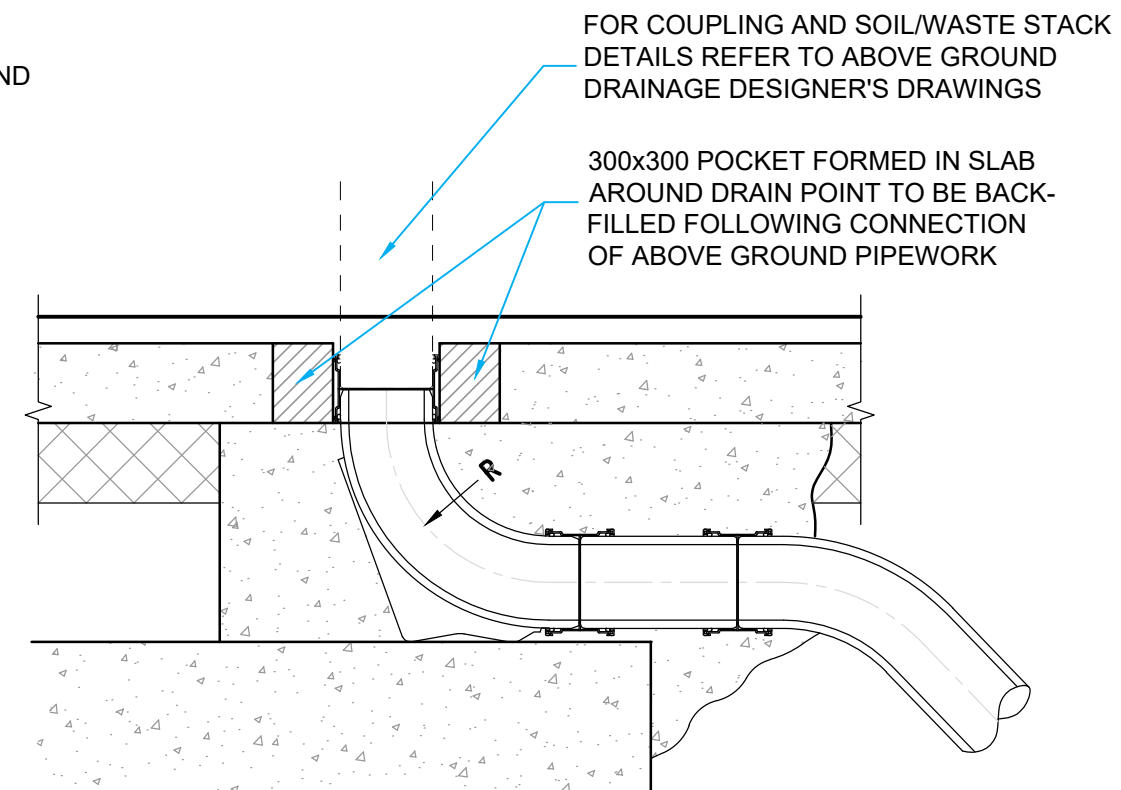
STORMSHARK INSTALLATION DETAIL

SCALE 1:25



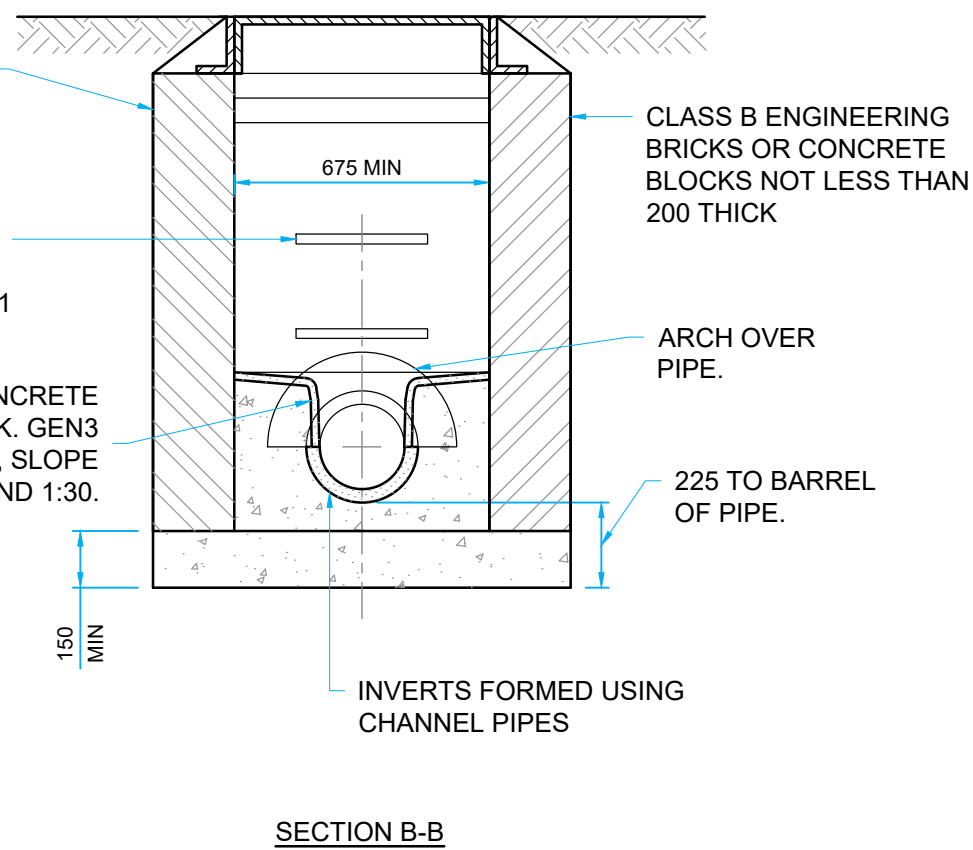
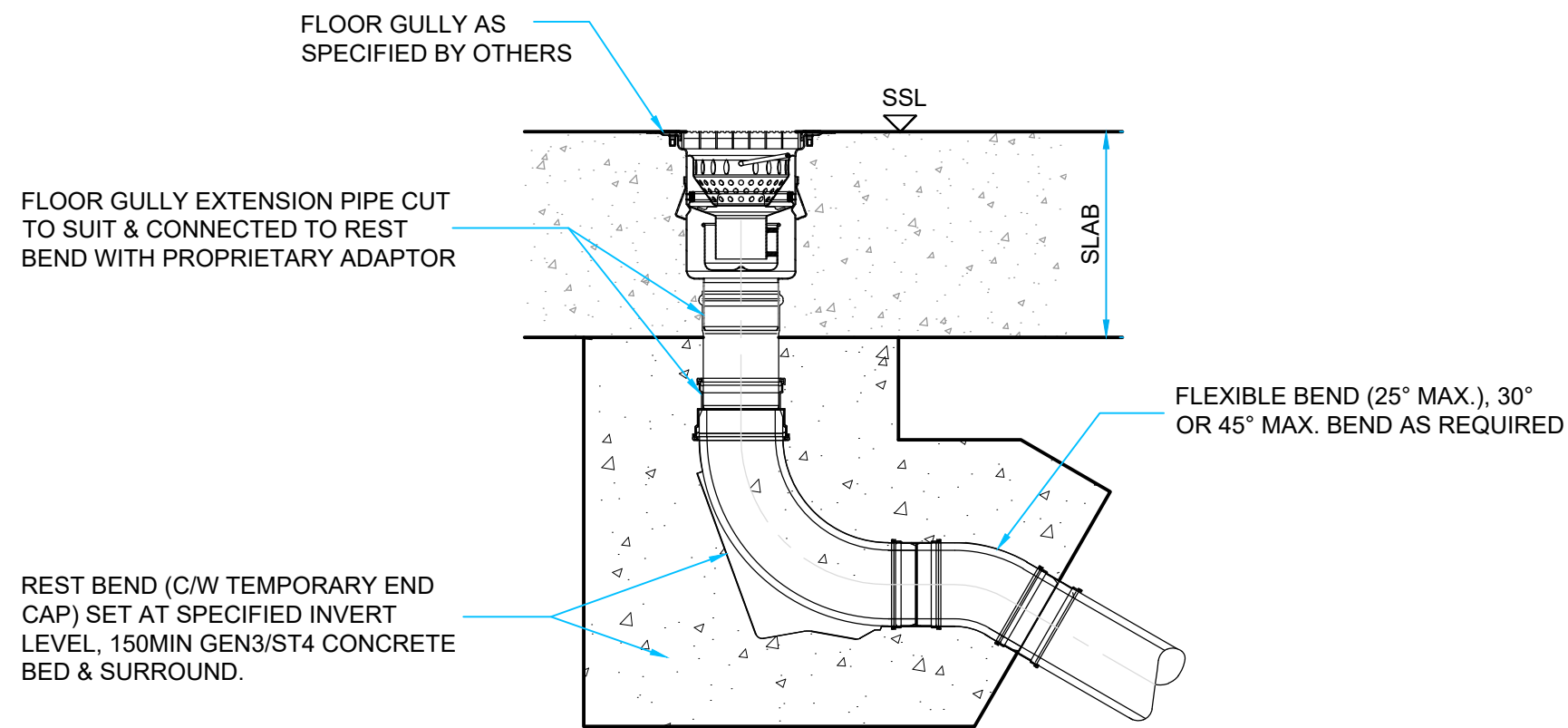
TYPICAL FWP/RWP BASE DETAIL

SCALE - 1:10



TYPICAL FWP/RWP BASE DETAIL (ABOVE FOUNDATION)

SCALE - 1:10



TRAPPED INTERNAL FLOOR GULLY DETAIL

NOT TO SCALE

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NOTES

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P01	16.06.25	DRAFT STAGE 4 ISSUE	ARJ	PAW
REV	DATE	DETAILS	DRN	CHK

DRAWING STATUS
PRELIMINARY

RIBA STAGE
STAGE 4

ROC CONSULTING

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T 0161 214 5390
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DRAWN ARJ	DATE SEPT 24	SCALES AS SHOWN
CHECKED MN	DATE SEPT 24	THE ABOVE SCALES APPLY WHEN PLOTTED AT A SIZE -DO NOT SCALE-
APPRVD. MN	DATE SEPT 24	EMAIL FOR DRAWINGS info@roccoconsulting.com

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MANCHESTER AIRPORT GROUP

PROJECT TITLE
PLOT H5 PREMIER INN AIRPORT CITY

DRAWING TITLE
DRAINAGE DETAILS SHEET 3

DRAWING No. H5PI/ROC/PI/XX/DR/C/0503	REV. P01
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4700

RgCp Ltd.