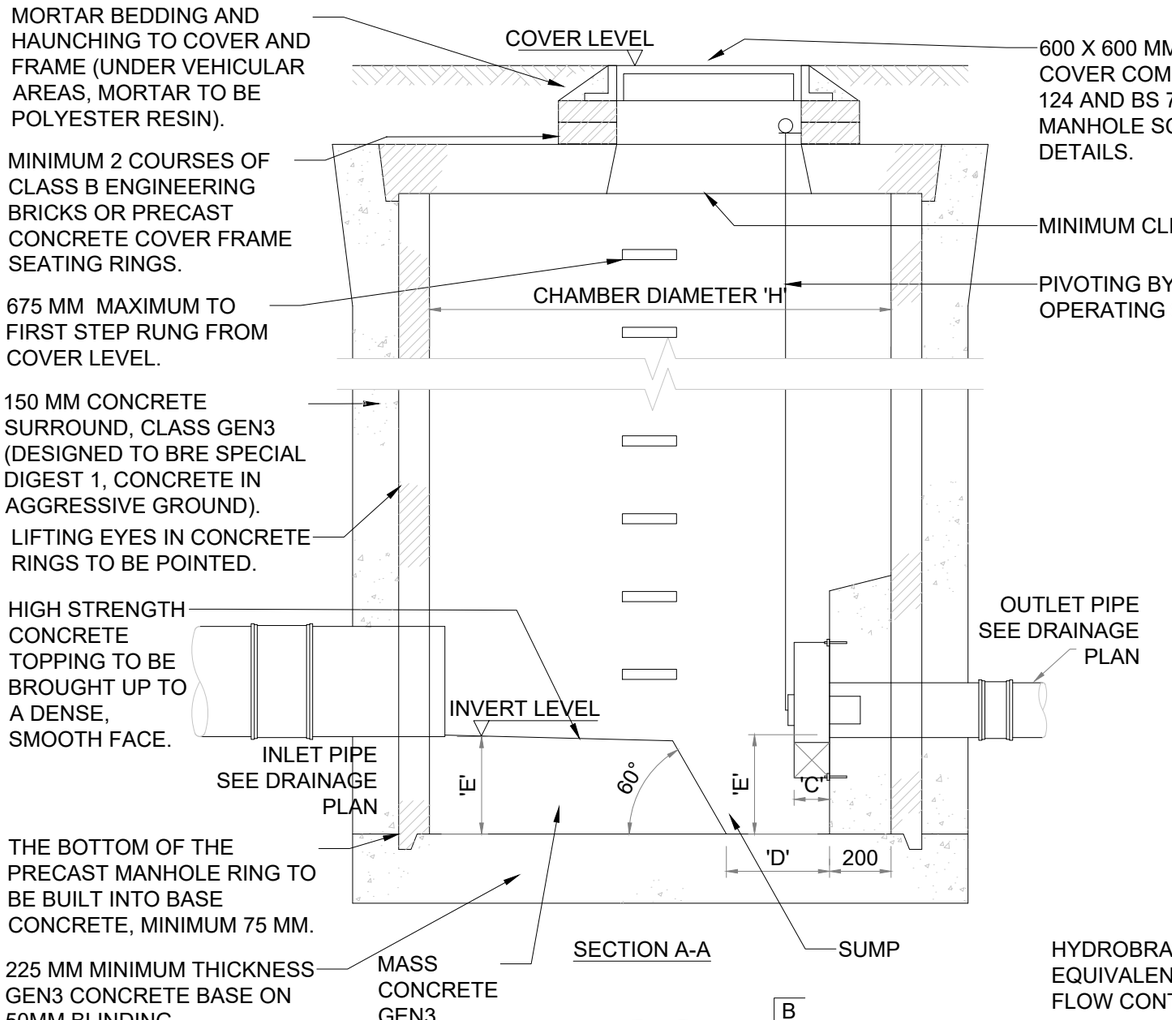


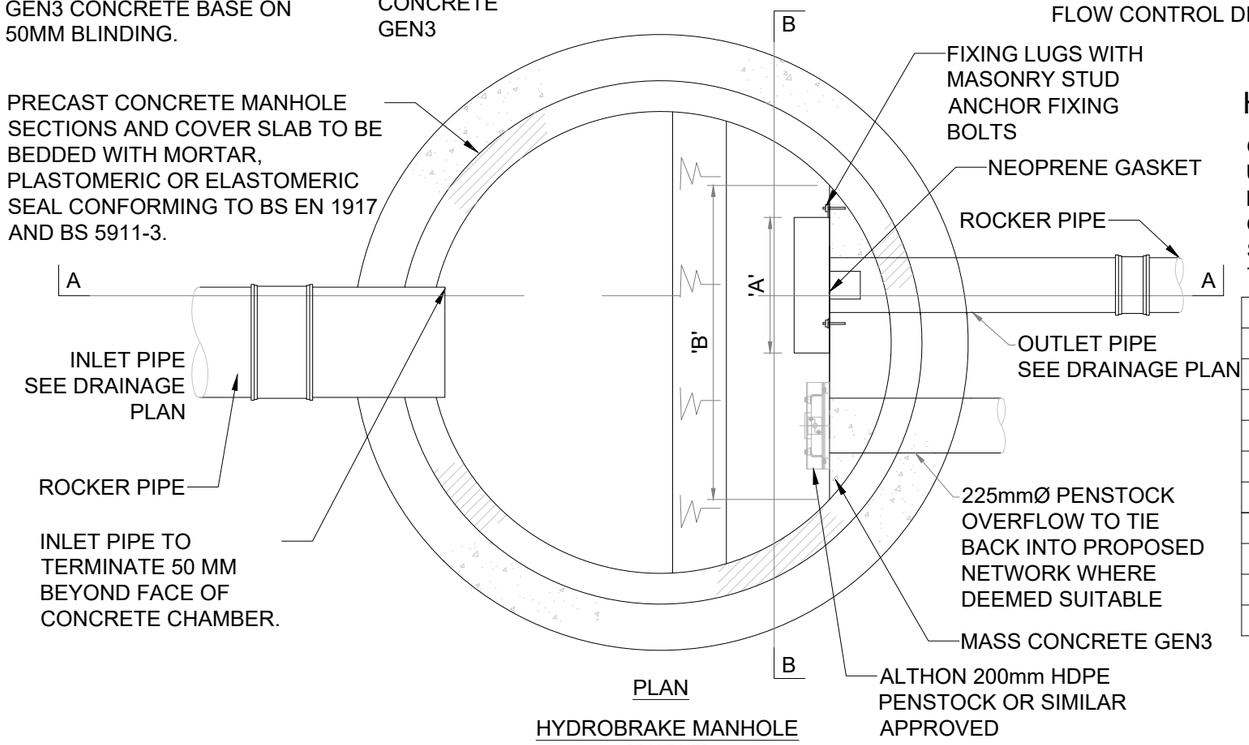
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWING REFERENCE'S - 25027-LE-ZZ-ZZ-DR-D-;

SECTION 104
3000 - SECTION 104 - SITE LOCATION PLAN
3001 - SECTION 104 - DRAINAGE PLAN - SHEET 1
3002 - SECTION 104 - DRAINAGE PLAN - SHEET 2
3003 - SECTION 104 - CHAMBER SCHEDULE - SHEET 1
3004 - SECTION 104 - TYPICAL DETAILS
3005 - SECTION 104 - HEADWALL DETAILS
3006 - SECTION 104 - FLOW CONTROL DETAILS
3007 - SECTION 104 - CATCHMENT AREAS - SHEET 1
3008 - SECTION 104 - CATCHMENT AREAS - SHEET 2

SECTION 38
0015 - SECTION 38 - HIGHWAY AND DRAINAGE LONGSECTIONS - SHEET 1
0016 - SECTION 38 - HIGHWAY AND DRAINAGE LONGSECTIONS - SHEET 2

GENERAL NOTES:

1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERS, ARCHITECTS & SERVICES DRAWINGS, INCLUDING APPROVED BUILDERS WORK DRAWINGS. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
2. DO NOT SCALE FROM THIS DRAWING, WORK TO DIMENSIONS OR CO-ORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.



PLAN

HYDROBRAKE MANHOLE
SCALE NTS

HYDROBRAKE TECHNICAL SPECIFICATION

GRADE 304 STAINLESS STEEL VORTEX FLOW CONTROL UNIT WITH INTEGRAL STAINLESS STEEL PIVOTING BYPASS DOOR ALLOWING CLEAR LINE OF SIGHT THROUGH TO OUTLET, C/W STAINLESS STEEL OPERATING ROPE. STAINLESS STEEL FIXINGS AND NEOPRENE GASKET SEAL TO OUTLET.

Manhole Reference:	S1.17		
Cover Level (m):	54.952	Invert Level (m):	53.602
Hydrobrake Reference:	SHE-0185-1800-1350-1800		
Design Head (m):	1.350		
Design Flow (l/s):	18.0		
Inlet Pipe diameter (mm):	225		
Outlet Pipe diameter (mm):	225		
Dimension 'A' (mm):	770	Dimension 'E' (mm):	445
Dimension 'B' (mm):	1540	Dimension 'F' (mm):	1120
Dimension 'C' (mm):	190	Dimension 'G' (mm):	N/A
Dimension 'D' (mm):	380	Dimension 'H' (mm):	1800

Stat	Purpose of Issue	Date	Auth
S4	FOR APPROVAL	30.06.25	RSL

Rev	Description	By	Date	Chk'd	Auth
P01	FIRST ISSUE	MR	30.06.25	CK	RSL

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Client: AVANT homes

Project: GREAT HOUGHTON BARNSLEY

Title: SECTION 104 FLOW CONTROL DETAILS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A3	As Shown	MR Date 30.06.25	CK Date 30.06.25	RSL Date 30.06.25

Status	Drawing Number	Rev
S4	25027-LE-ZZ-ZZ-DR-D-3006	P01