

MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME (UNDER VEHICULAR AREAS, MORTAR TO BE POLYESTER RESIN).

MINIMUM 2 COURSES OF CLASS B ENGINEERING BRICKS OR PRECAST CONCRETE COVER FRAME SEATING RINGS.

675 MM MAXIMUM TO FIRST STEP RUNG FROM COVER LEVEL.

150 MM CONCRETE SURROUND, CLASS GEN3 (DESIGNED TO BRE SPECIAL DIGEST 1, CONCRETE IN AGGRESSIVE GROUND).

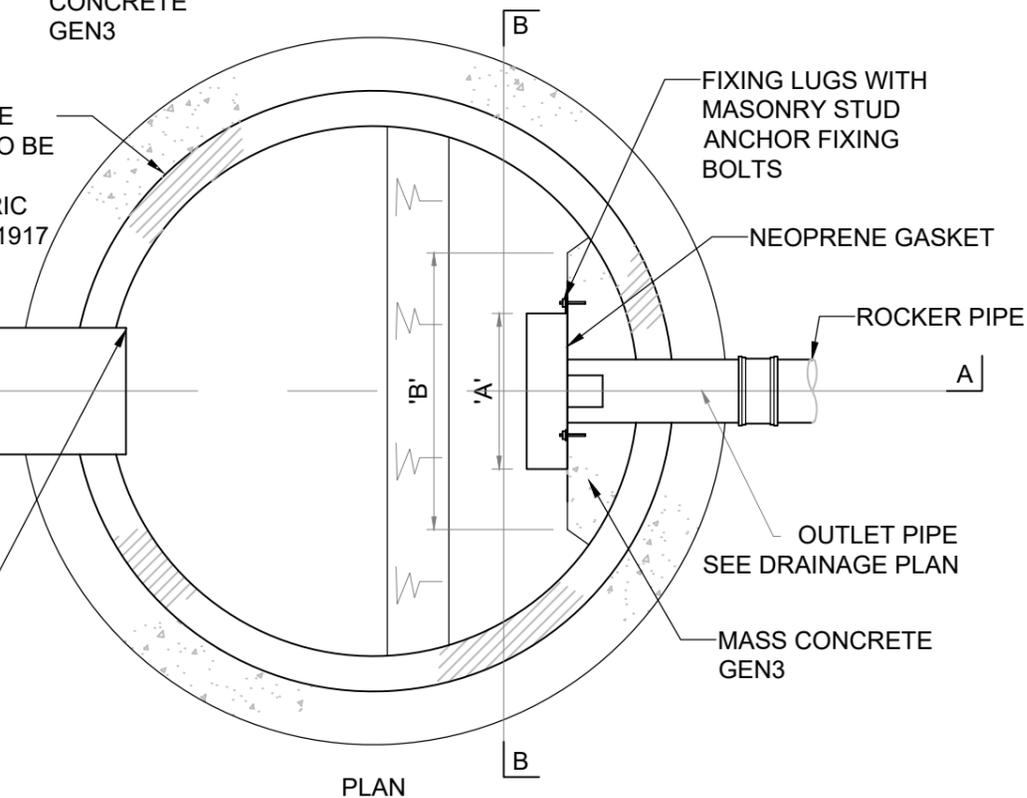
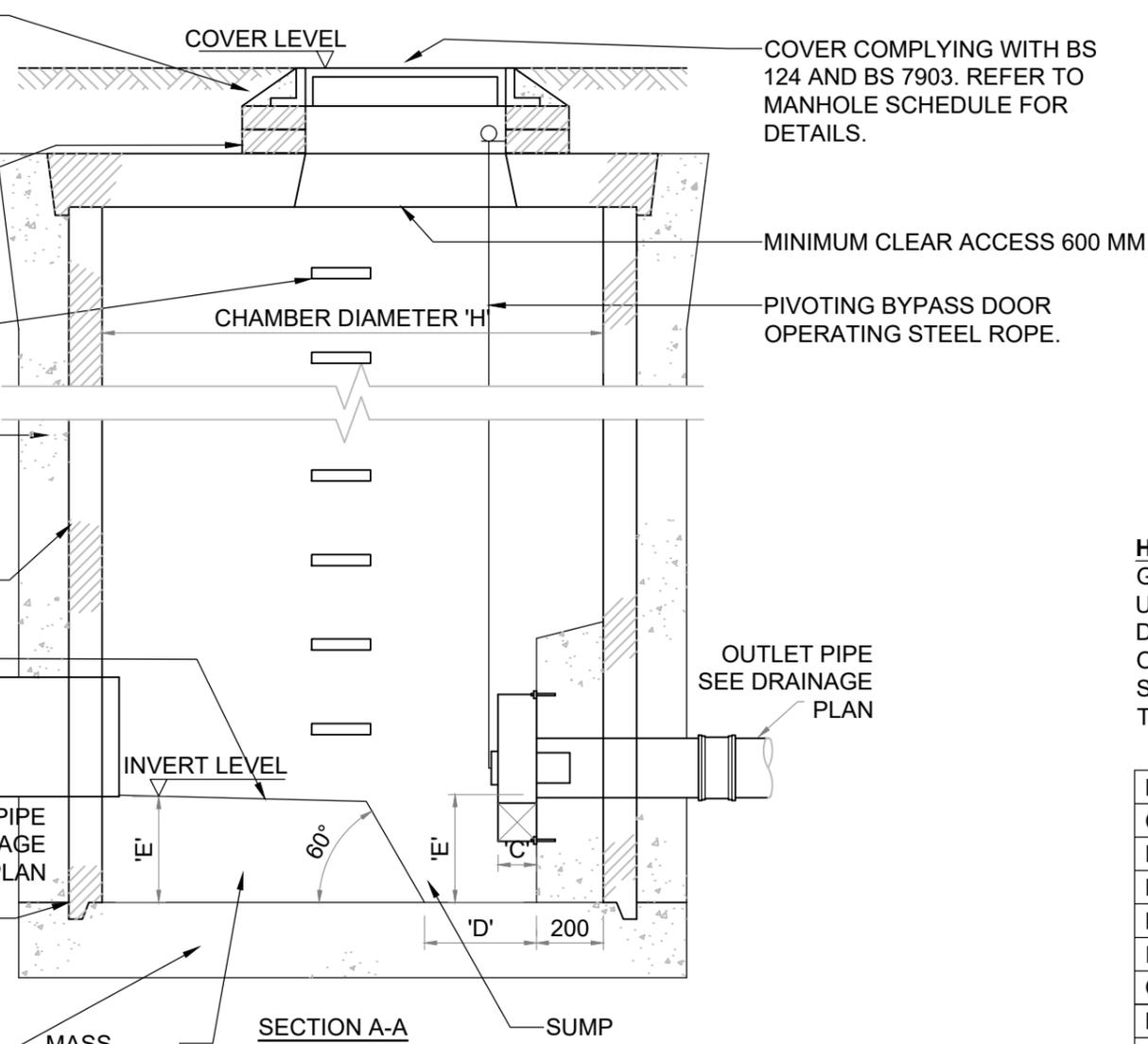
LIFTING EYES IN CONCRETE RINGS TO BE POINTED.

HIGH STRENGTH CONCRETE TOPPING TO BE BROUGHT UP TO A DENSE, SMOOTH FACE.

THE BOTTOM OF THE PRECAST MANHOLE RING TO BE BUILT INTO BASE CONCRETE, MINIMUM 75 MM.

225 MM MINIMUM THICKNESS GEN3 CONCRETE BASE ON 50MM BLINDING.

PRECAST CONCRETE MANHOLE SECTIONS AND COVER SLAB TO BE BEDDED WITH MORTAR, PLASTOMERIC OR ELASTOMERIC SEAL CONFORMING TO BS EN 1917 AND BS 5911-3.



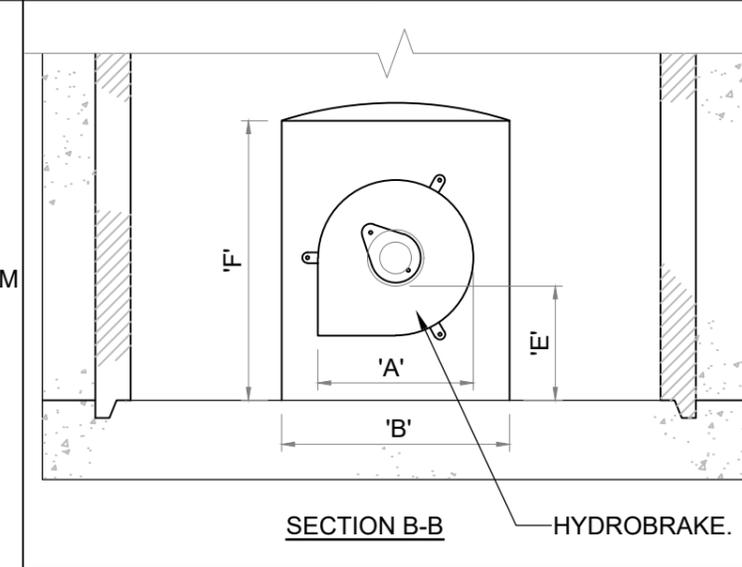
HYDROBRAKE MANHOLE
SCALE 1:20

COVER COMPLYING WITH BS 124 AND BS 7903. REFER TO MANHOLE SCHEDULE FOR DETAILS.

MINIMUM CLEAR ACCESS 600 MM

PIVOTING BYPASS DOOR OPERATING STEEL ROPE.

OUTLET PIPE SEE DRAINAGE PLAN



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:	S15	
Cover Level (m):	63.670	Invert Level (m): 62.208
Hydrobrake Reference:	SHE-0075-2500-1000-2500	
Design Head (m):	1.0m	
Design Flow (l/s):	2.5	
Inlet Pipe diameter (mm):	300	
Outlet Pipe diameter (mm):	150	
Dimension 'A' (mm):	440	Dimension 'E' (mm): 320
Dimension 'B' (mm):	645	Dimension 'F' (mm): 785
Dimension 'C' (mm):	85	Dimension 'G' (mm): N/A
Dimension 'D' (mm):	170	Dimension 'H' (mm): 1800

GENERAL NOTES:

- 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.
- 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.
- FOR PROPOSED DRAINAGE LAYOUT REFER TO DRAWING 24004-LE-00-ZZ-DR-D-0100.
- PROPRIETARY PRODUCTS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS DETAILS AND SPECIFICATION.

S2	FOR INFORMATION	26.06.24	WF
Stat	Purpose of Issue	Date	Auth
P01	FOR INFORMATION	MF 26.06.24	WF MF
Rev	Description	By	Date Chk'd Auth

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Client: **Mandale Homes**

Project: **HANGING HEATON BATLEY**

Title: **PROPOSED HYDROBRAKE CONTROL MANHOLE DETAIL**

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A3	1:20	MF	WF	WF
Date	Date	Date	Date	Date
26.06.24	26.06.24	26.06.24	26.06.24	26.06.24
Status	Drawing Number	Rev		
S2	24004-LE-00-ZZ-DR-D-0112	P01		