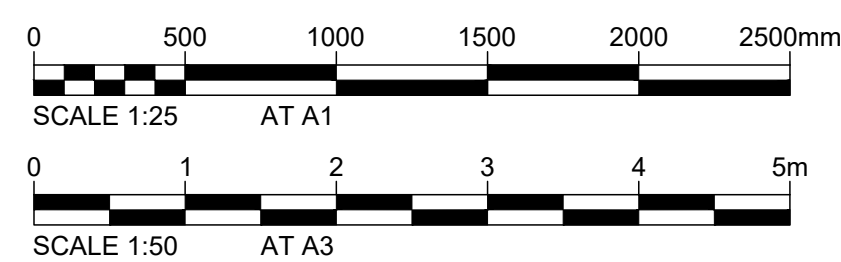
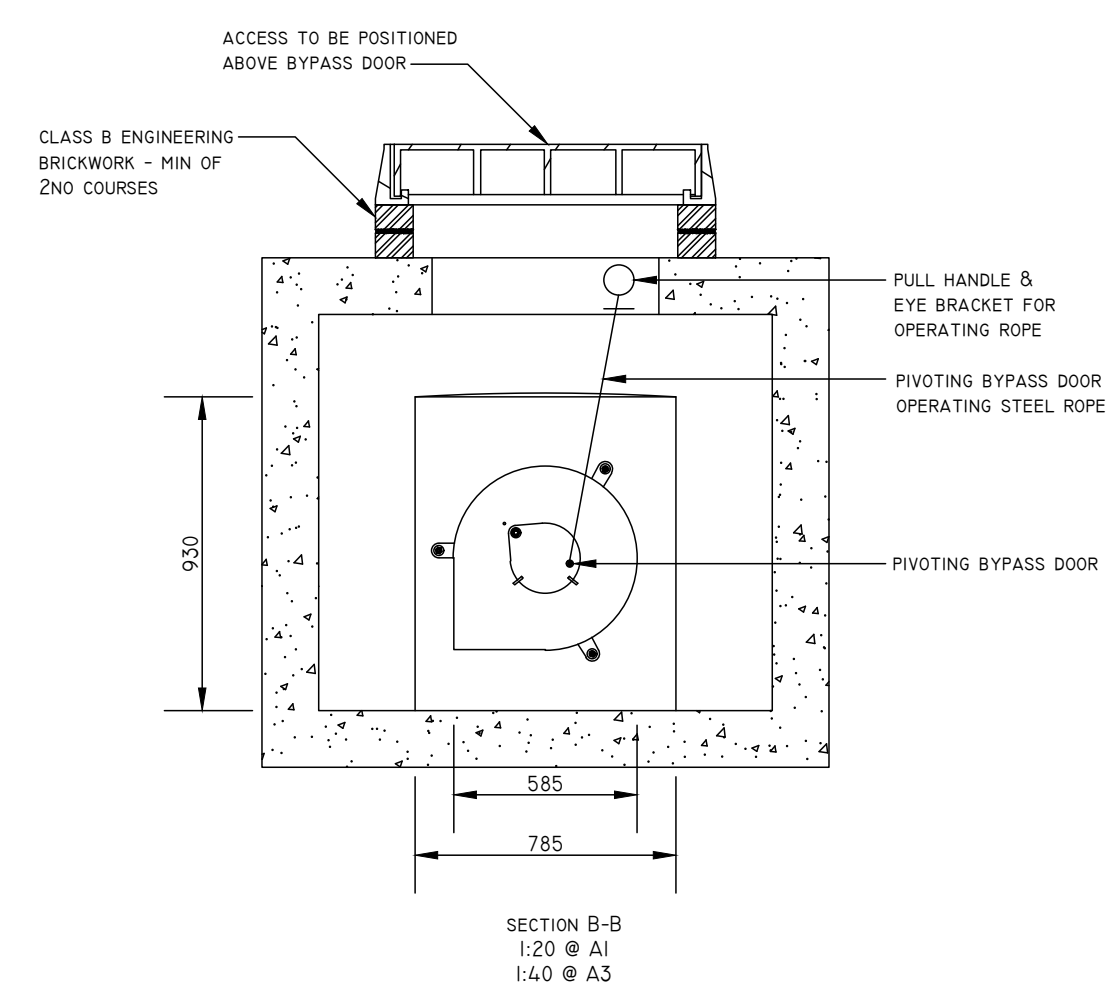


Technical drawing of a stormwater drainage system, showing three manhole sections (S08, S09, and S10) connected by a main pipe. The drawing includes detailed views of the manhole structures, the main pipe assembly, and the connection to a sump. Key components labeled include:

- 150mm concrete surround (SEE G.A.)
- 15000 PRECAST CONCRETE CHAMBER SECTIONS WITH STEP IRONS (SEE G.A.)
- 300mm SUMP
- 225mm CONCRETE BASE
- 3750 PIPE (SEE G.A.)
- 110mm OSMA DRAIN PIPE
- 150mm x 110mm REDUCER
- GEOMEMBRANE SEALED TO FLANGE
- FLOW CONTROL INSTALLED TO MANUFACTURERS DETAILS

The drawing is a cross-section showing the internal structure and flow path of the drainage system.

Technical drawing of a 150mm diameter manhole. The drawing shows a cross-section of the manhole with a concrete manhole wall. Inside, there is a central vertical pipe with a 150mm diameter outlet pipe at the top and a 150mm diameter inlet pipe at the bottom. The inlet pipe is labeled '150MM Ø INLET PIPE' with an arrow pointing into the manhole. The outlet pipe is labeled '150MM Ø OUTLET PIPE' with an arrow pointing out of the manhole. A 'HYDROBRAKE OPTIMUM FLOW CONTROL FITTED WITH PIVOTING BYPASS DOOR' is located on the outlet pipe. The manhole is supported by 'FIXING LUGS WITH MASONRY STUD ANCHOR FIXING BOLTS'. A 'BENCHING' is shown at the bottom of the manhole. The drawing includes dimensions: '100MM MIN. FOR FIXINGS' for the bottom of the manhole and '150MM Ø' for the pipes. The drawing is labeled '1A' and '10'.



2. PLASTIC PIPES (PVC-U) TO BE FLEXIBLY JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS EN 14011:1998.
3. WHERE COVER TO PIPES IS LESS THAN 900 IN ROADS AND HARDSTANDINGS OR 400 MM ELSEWHERE, CLASS 2 BEDDING IS TO BE PROVIDED IN ACCORDANCE WITH THE DETAIL.
4. N.B. UNTIL FINAL SERVICE IS PLACED, HEAVY TRAFFIC IS NOT TO BE ALLOWED OVER PIPE TRENCHES WITHOUT SPECIAL PRECAUTIONS.
5. PIPES AND FITTINGS ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
6. MANHOLE COVERS IN CAR PARKS TO BE LOAD CLASS D400 TO BS EN 124.
7. MANHOLE COVERS IN LANDSCAPED AND PAVED AREAS TO BE LOAD CLASS B125 BS EN 124.

INITIAL ISSUE	13/01/25	DB
COMMENTS	DATE	BY
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BELL MUNRO CONSULTING LTD		
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CLIENT	SHELLCO I48	
PROJECT	DUCIE ARMS	
TITLE	ATTENUATION DETAILS	
DRAWN BY:	CHECKED BY:	DATE
D.B	R.C	01/25
SCALE	NTS	
DRAWING NUMBER	J8123/D03	REVISION:
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