

FIGURE B.5
TYPICAL MANHOLE DETAIL - TYPE A1
Depth from cover level to soffit of pipe 3 m to 6 m with ladder and reducing slab
Rigid material construction with concrete surround

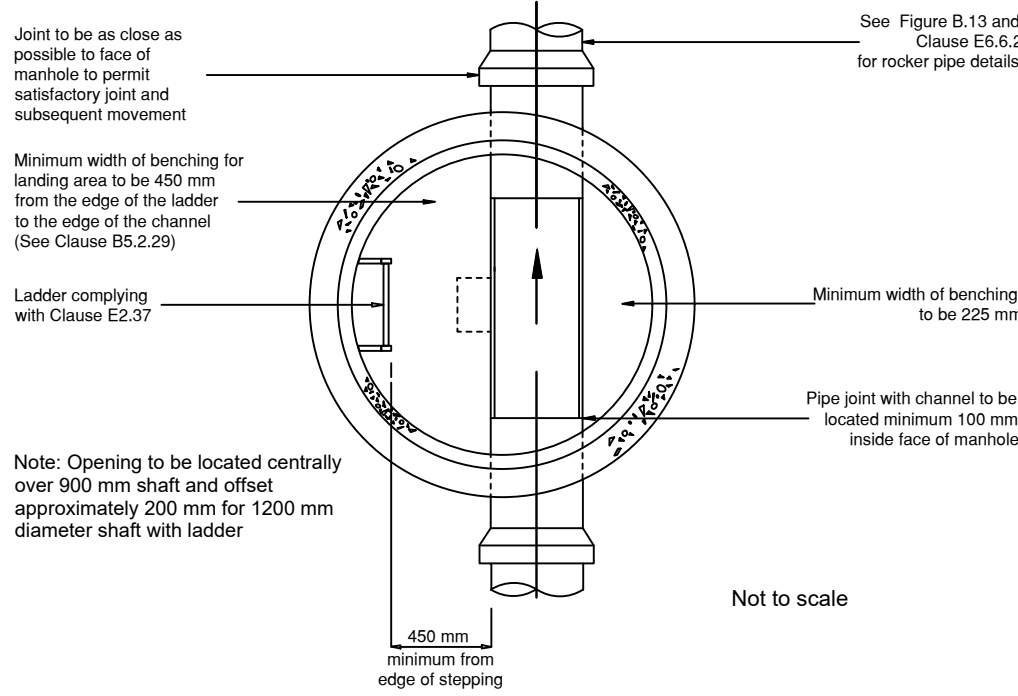
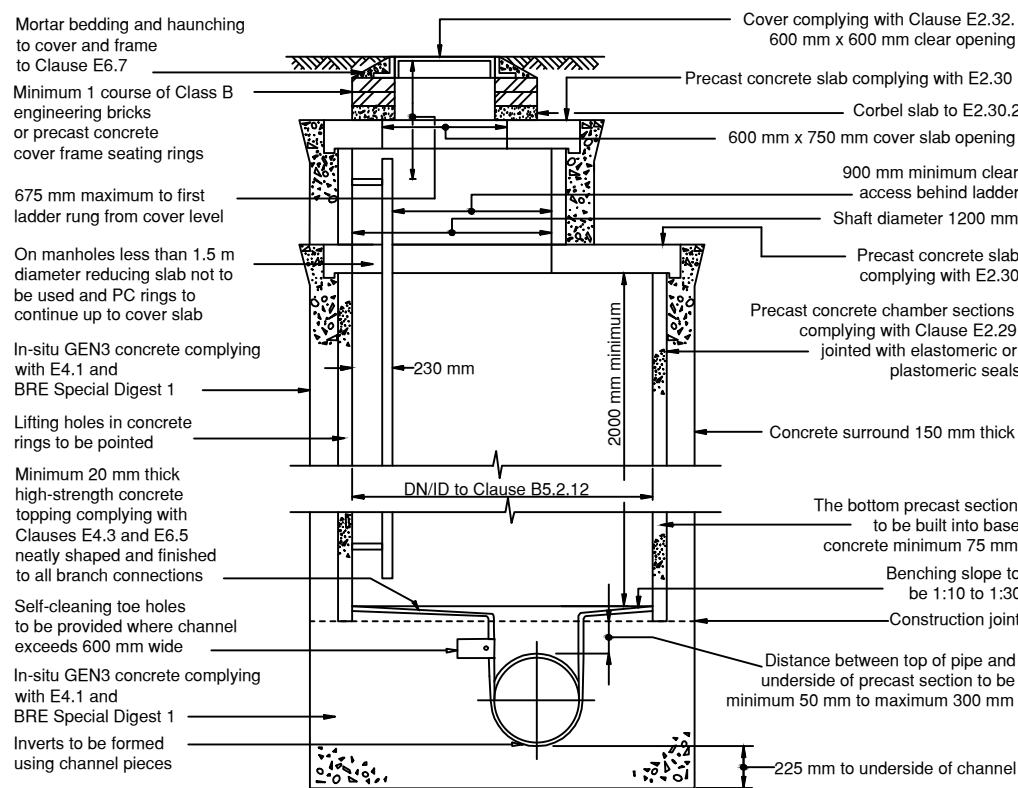


FIGURE B.11
ALTERNATIVE BASE DETAIL FOR TYPE A AND B MANHOLES WITHOUT CONCRETE SURROUND

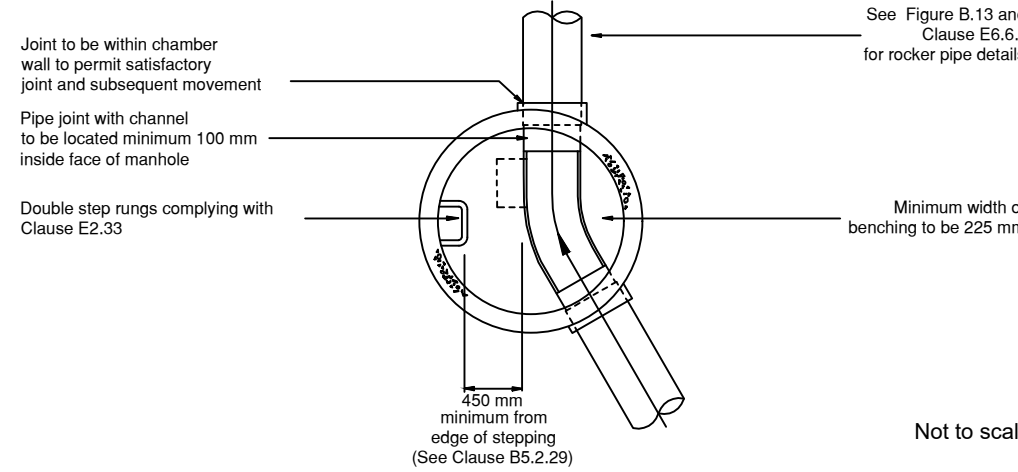
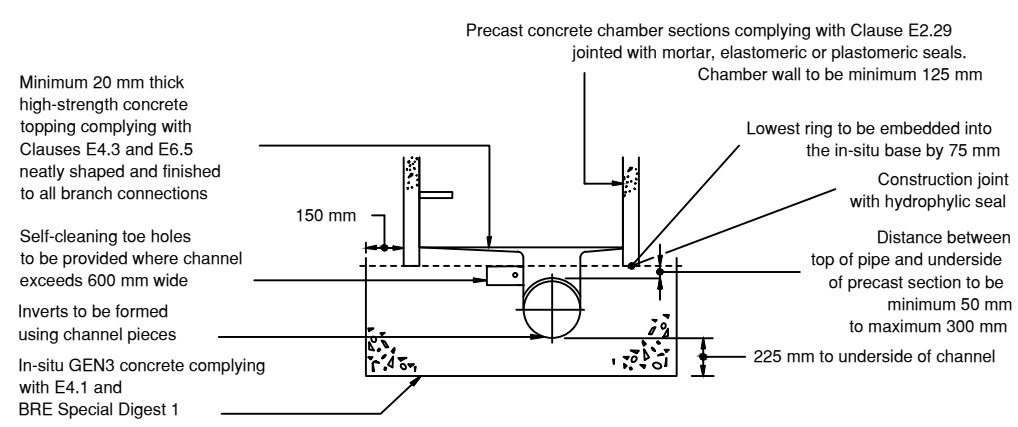


FIGURE B.26
CONNECTIONS TO SEWER

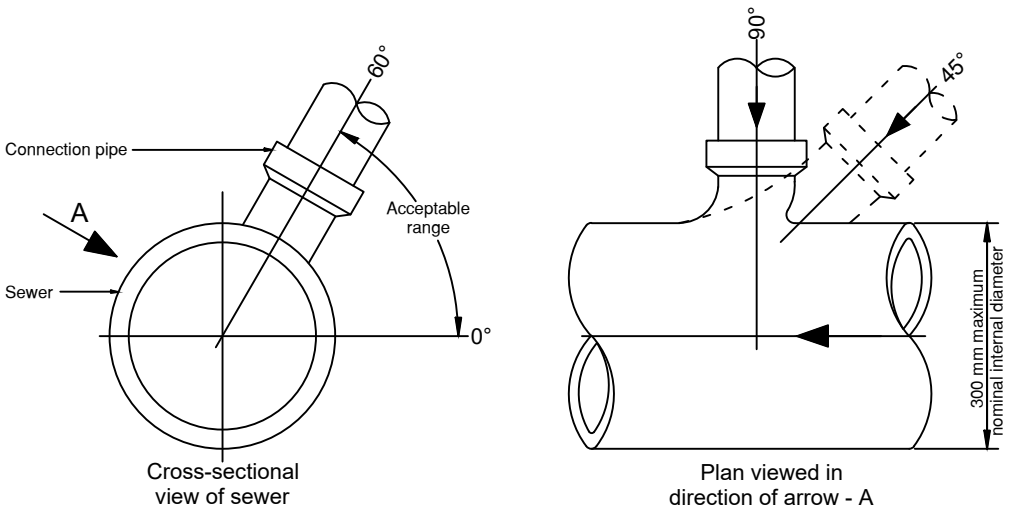


FIGURE B.9
TYPICAL MANHOLE DETAIL - TYPE B
Depth from cover level to soffit of pipe 1.5 m to 3.0 m
Rigid material construction without concrete surround

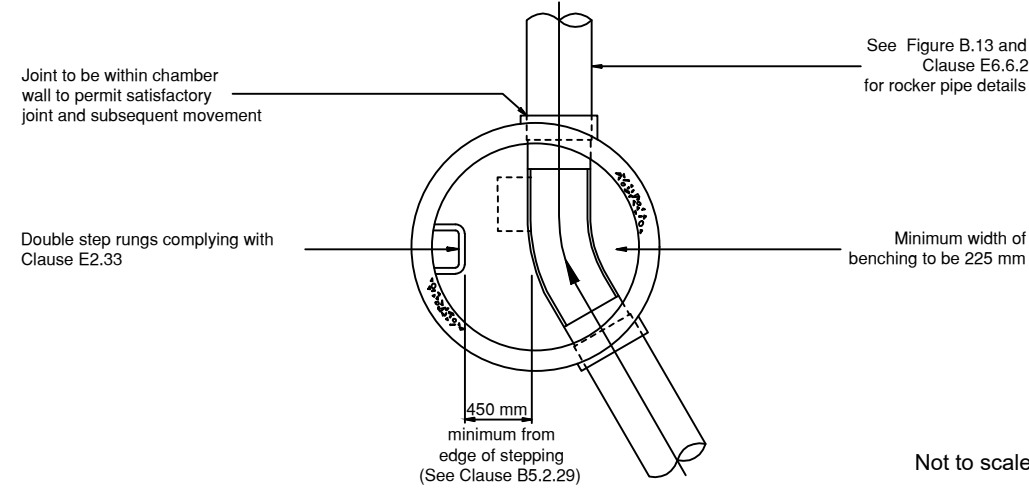
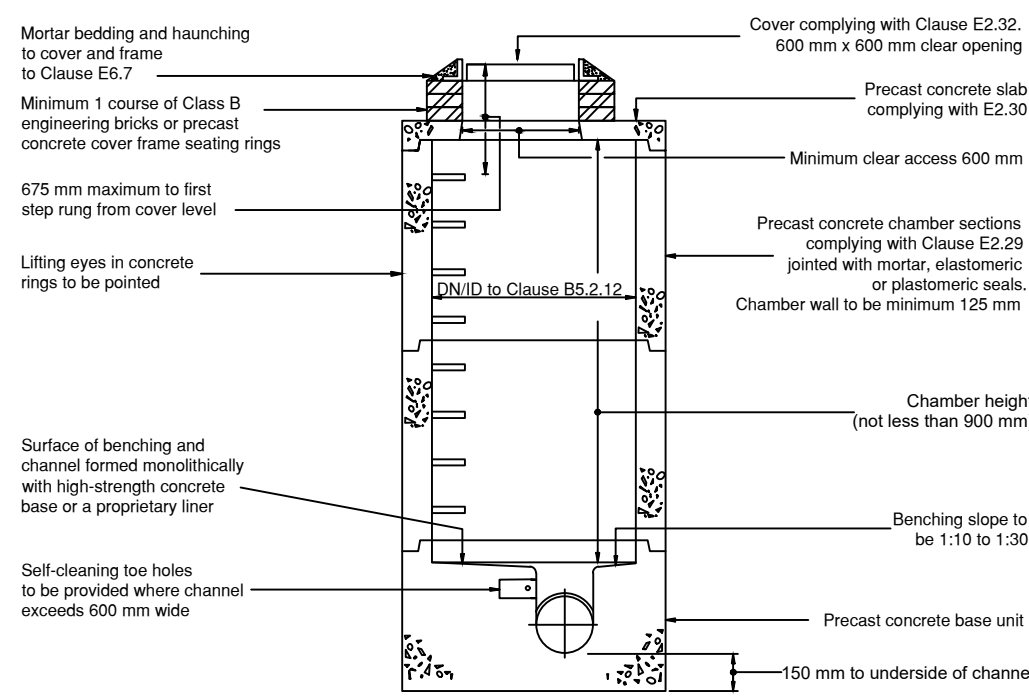


FIGURE B.27
PROTECTION OF PIPES LAID AT SHALLOW DEPTHS

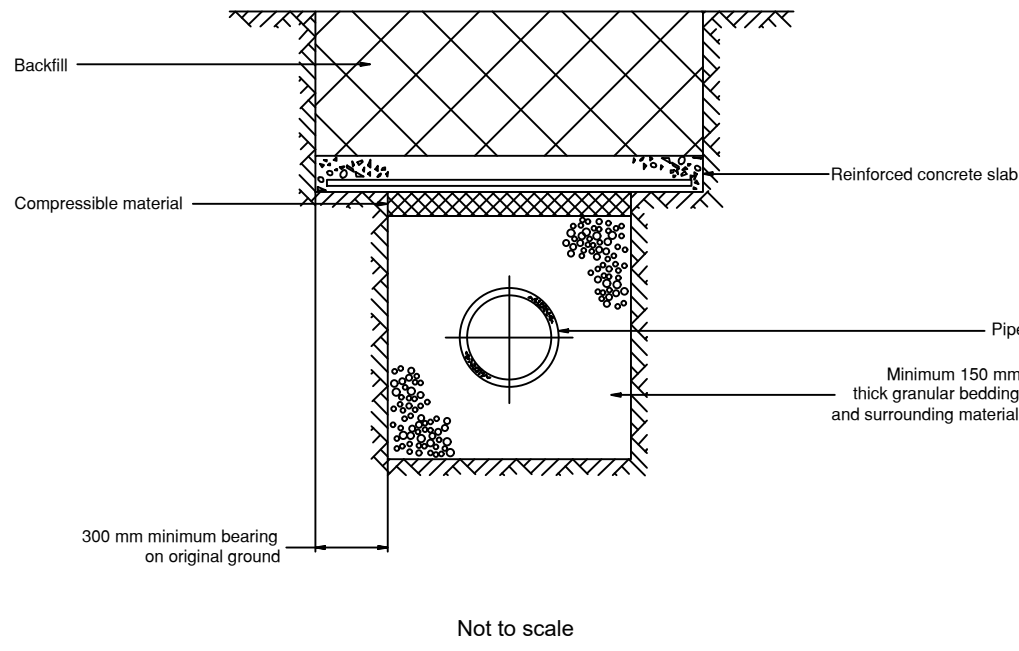


FIGURE B.28
JOINTS FOR CONCRETE ENCASED PIPES

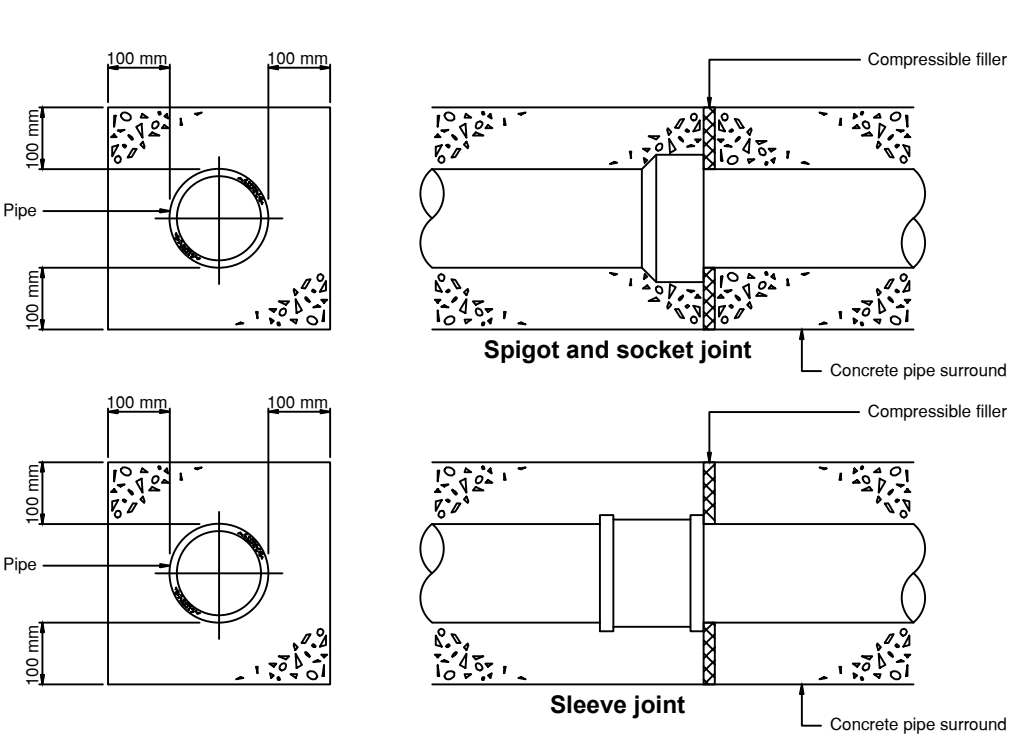
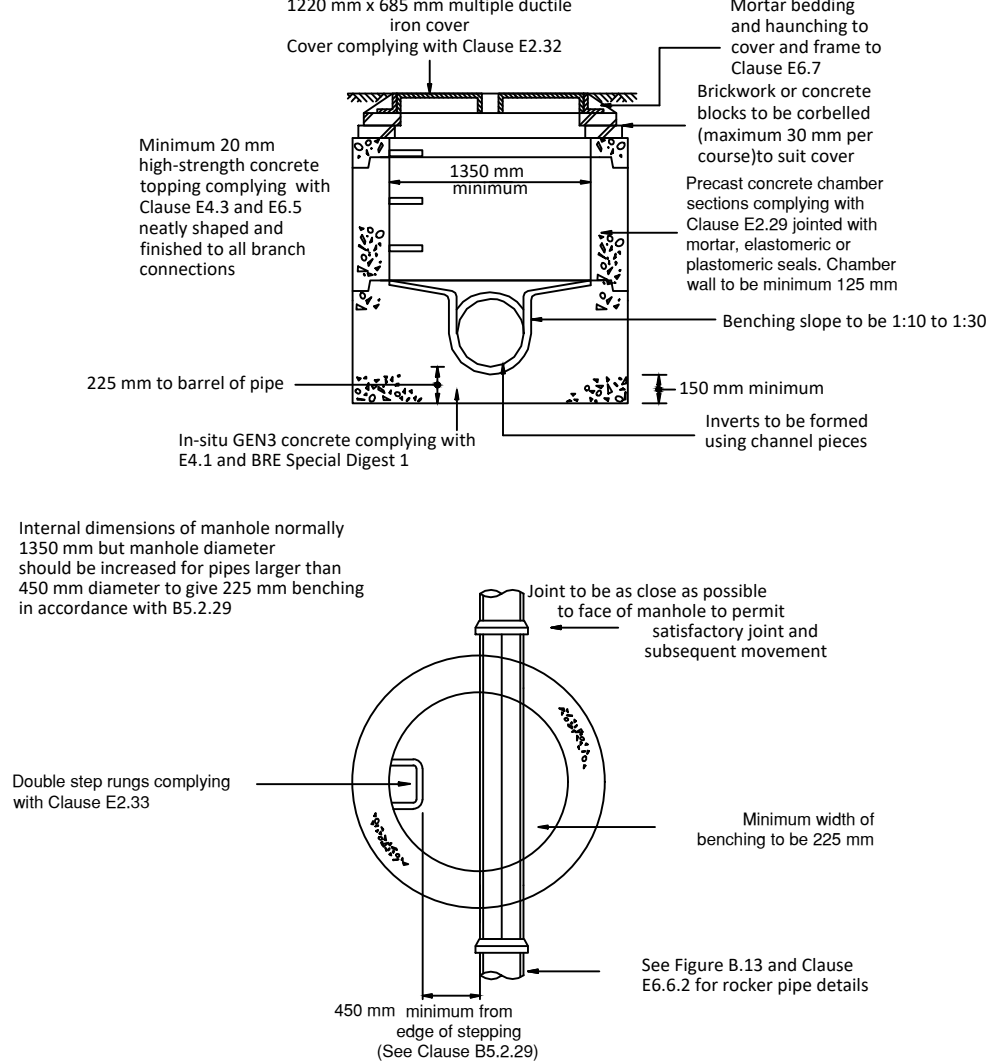
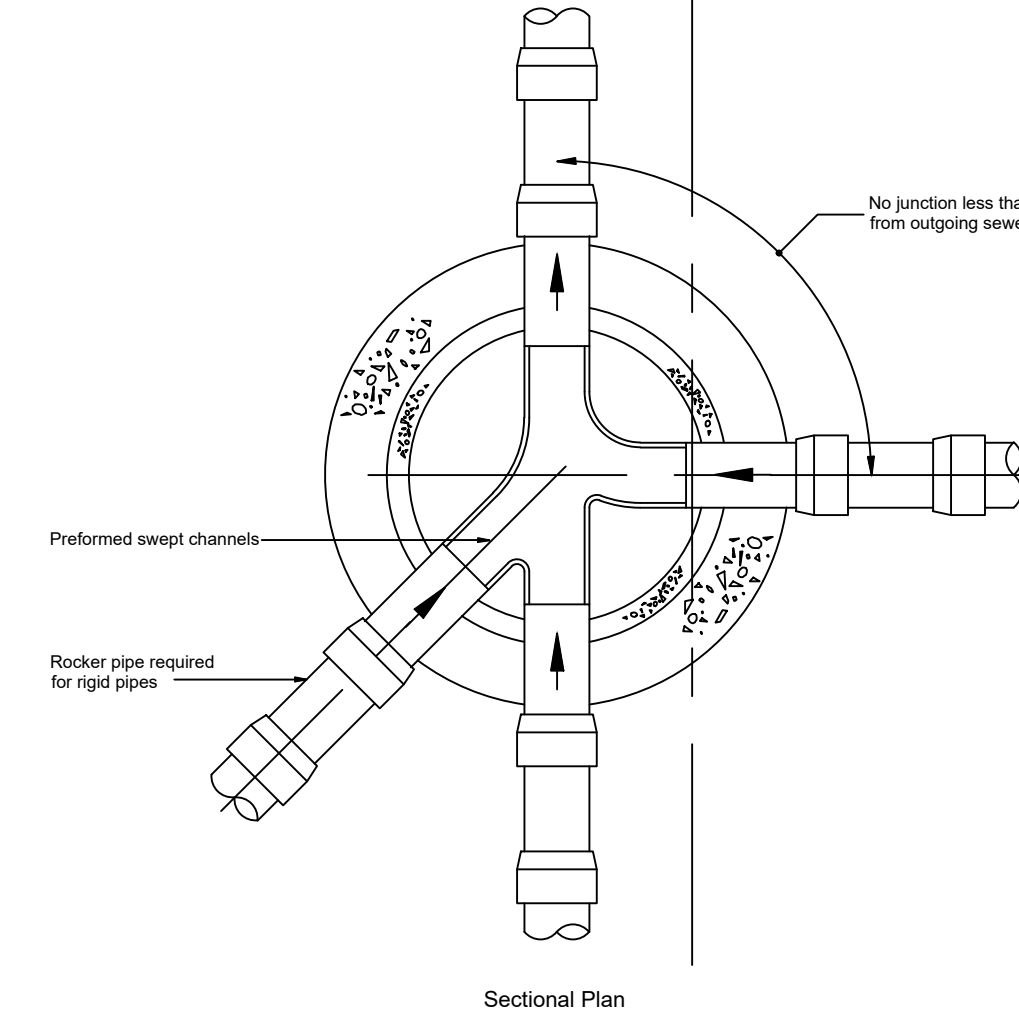


FIGURE B.15
TYPICAL MANHOLE DETAIL - TYPE C
Depth from cover level to soffit of pipe less than 1.5 m
Maximum pipe size 450 mm diameter
Rigid material construction



Note: The use of precast concrete chamber units to E2.29 with 150 mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

FIGURE B.13
TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES



Rigid pipes built into manhole should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be as shown.

Nominal diameter (mm)	Maximum effective length (m)
150 - 600	0.6
601 - 750	1.00
over 750	1.25

All pipes entering the bottom of the manhole to have soffits level.

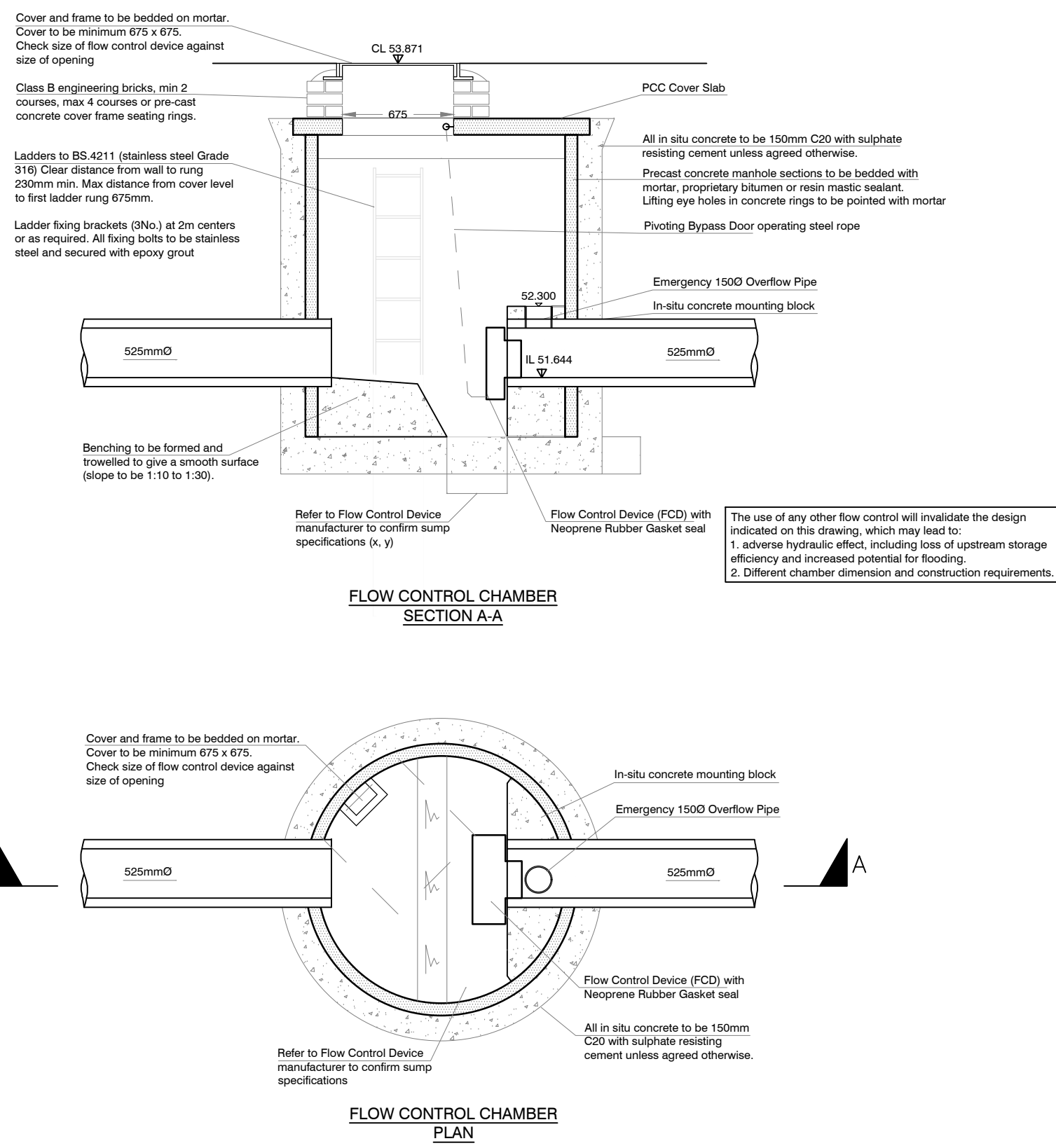
TRENCH WIDTHS

Internal Pipe Diameter (mm).	Maximum Trench Width (mm).
100	600
150	600
225	700
300	850
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2100
1200	2300

SSG APPENDIX C - DESIGN AND CONSTRUCTION GUIDANCE V2 SHOULD BE REFERENCED AT ALL TIMES THROUGHOUT CONSTRUCTION

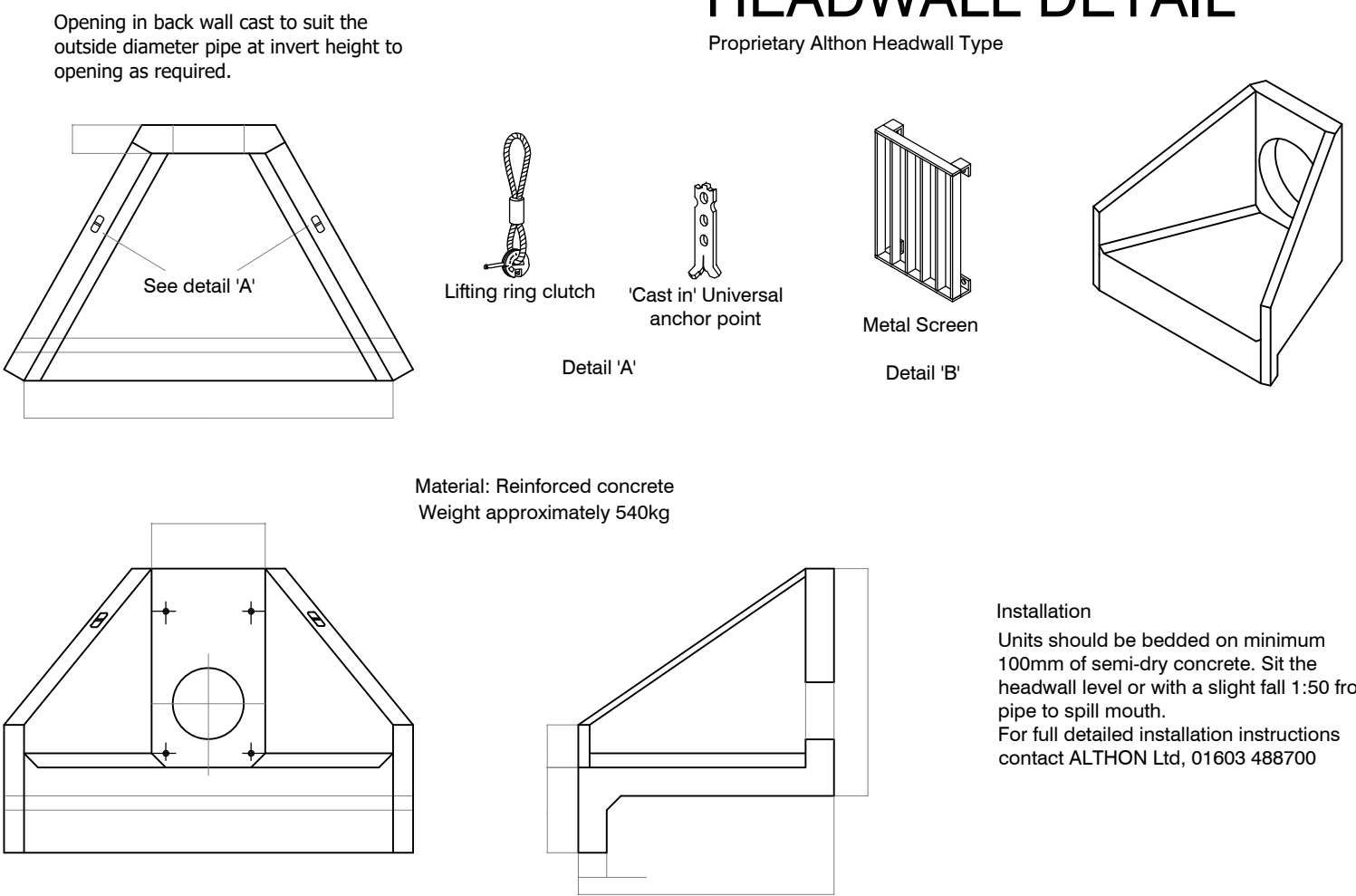
- Notes:
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 2. Do not use this drawing to scale from.
 3. Drawing to be used for planning purposes only.
 4. Pegasus do not take any liability for the misuse of this drawing.
 5. All measurements are in metres unless stated otherwise.
 6. This drawing is to be read in conjunction with all other relevant Engineering and Architect's details.
 7. All dimensions are in metres unless otherwise stated.
 8. All adoptable drainage is to comply with Water UK Design and Construction Guidance (DCG) and any supplementary guidance provided by the local sewage undertaker or appointed NAV.
 9. All drainage not complying with minimum covers shown in DCG Clause B5.1.7 is to have concrete surround protection.
 10. All references on details are to the relevant DCG chapters.
 11. All materials to be laid in accordance with manufacturer's instructions subject to approval of Local Water Authority or NAV.
 12. Manhole cover levels for manholes are approximate only and should be adjusted to match surrounding levels.

ANY WORKS UNDERTAKEN PRIOR TO RECEIPT OF TECHNICAL APPROVAL FOR THEIR RESPECTIVE PROPOSALS IS DONE AT THE CONTRACTOR'S OWN RISK.



HEADWALL DETAIL

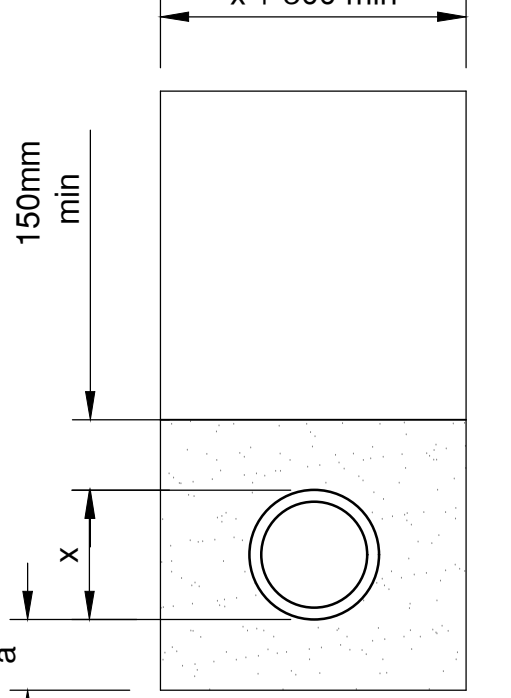
Proprietary Althon Headwall Type



Type S

Bedding Factor = 2.2

x + 600 max
x + 300 min



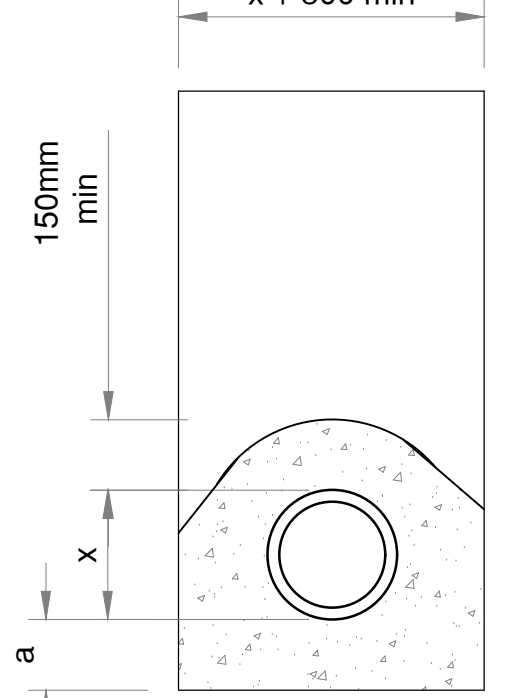
Ganular Bed and Surround

Generally suitable for all soils

Type Z

Bedding Factor = 2.6

x + 600 max
x + 300 min



Concrete Bed and Surround

Generally suitable for all soils