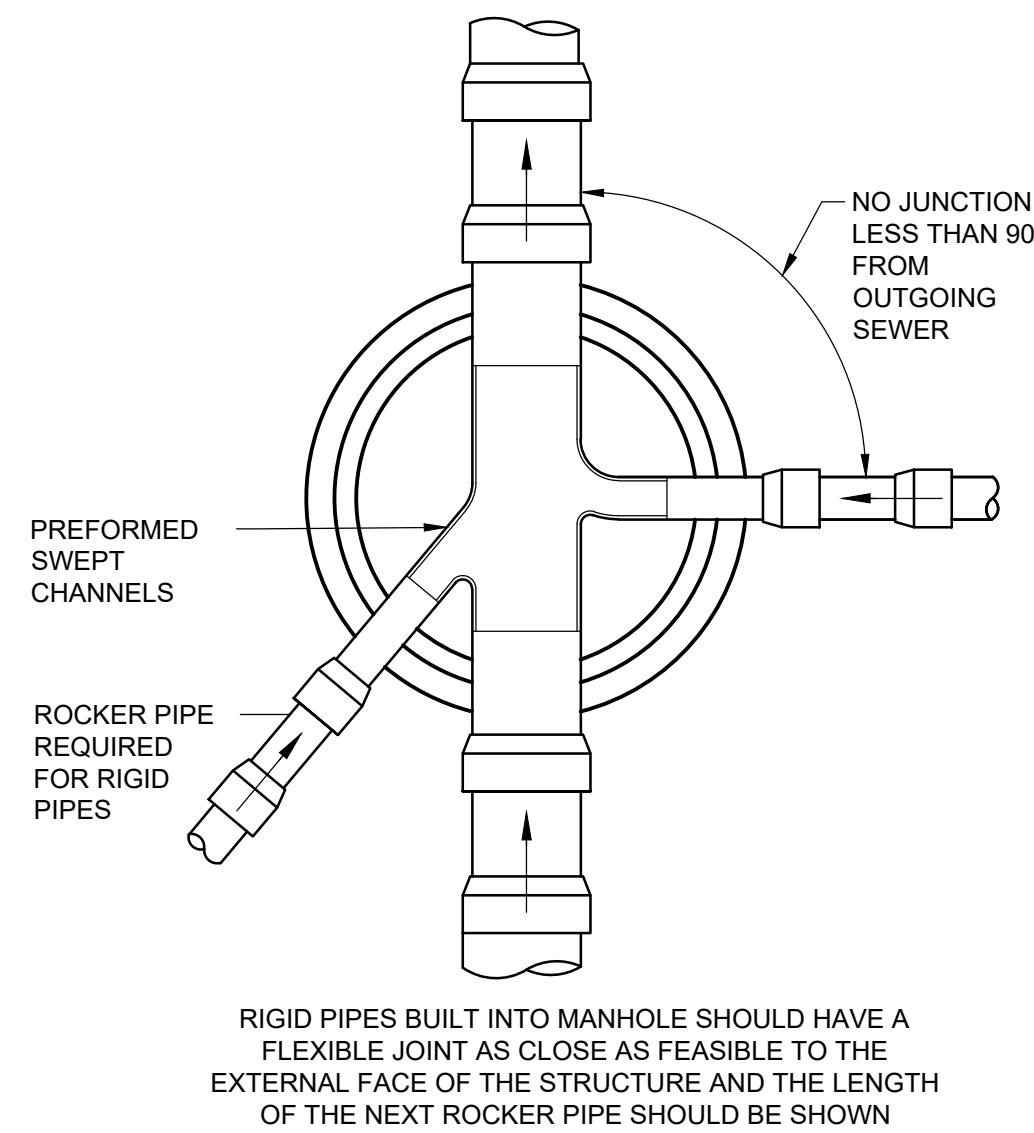
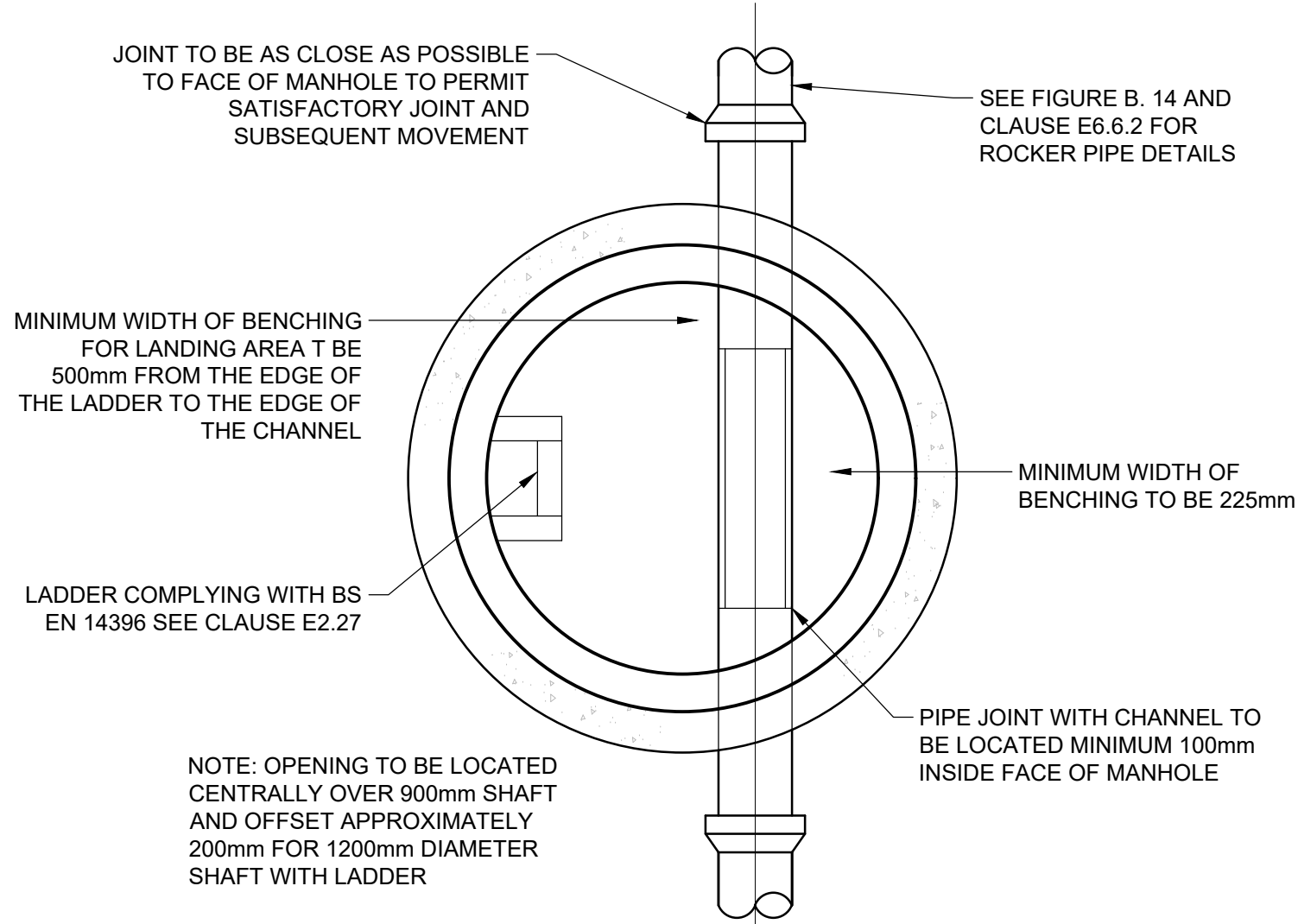


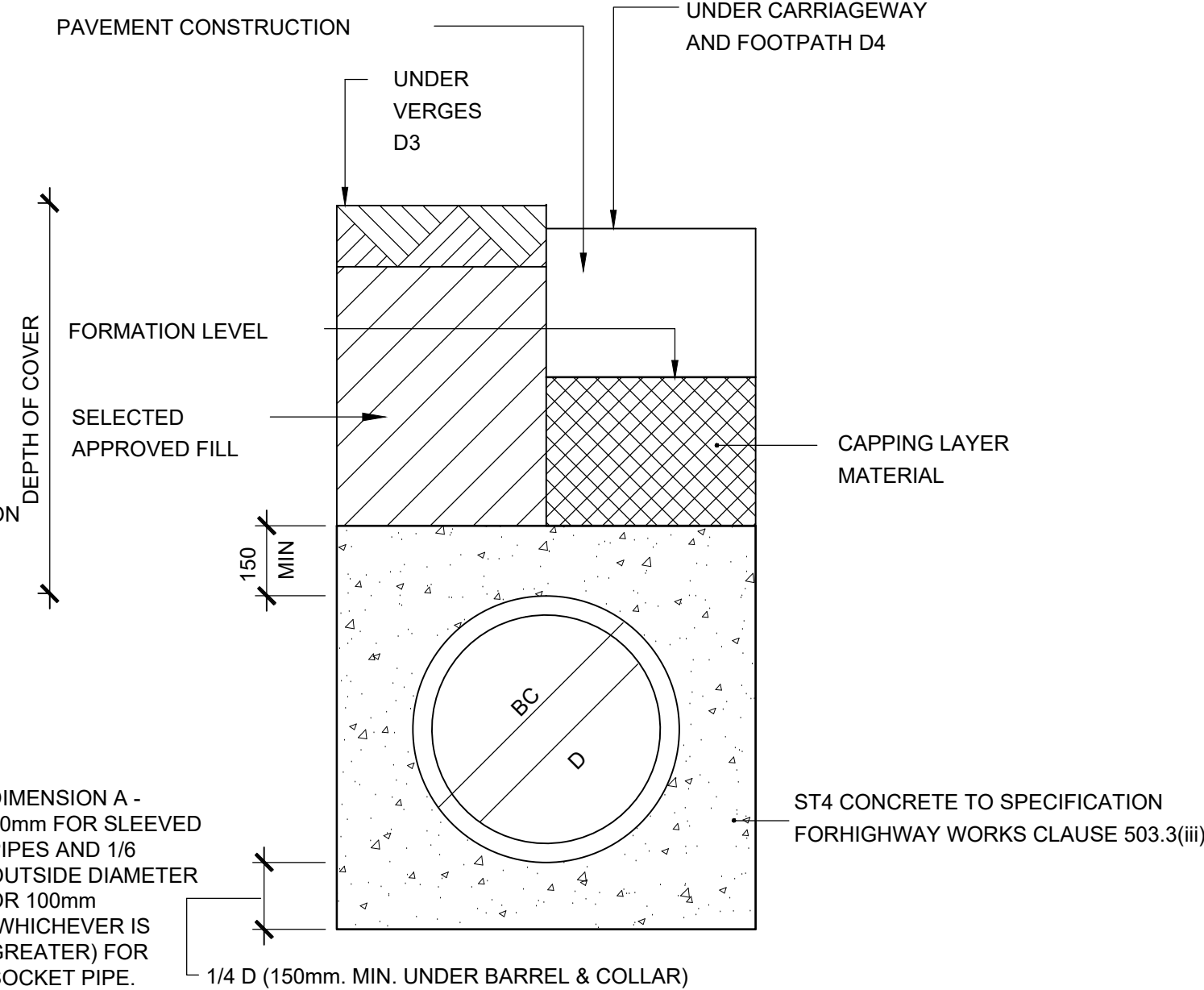


TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES

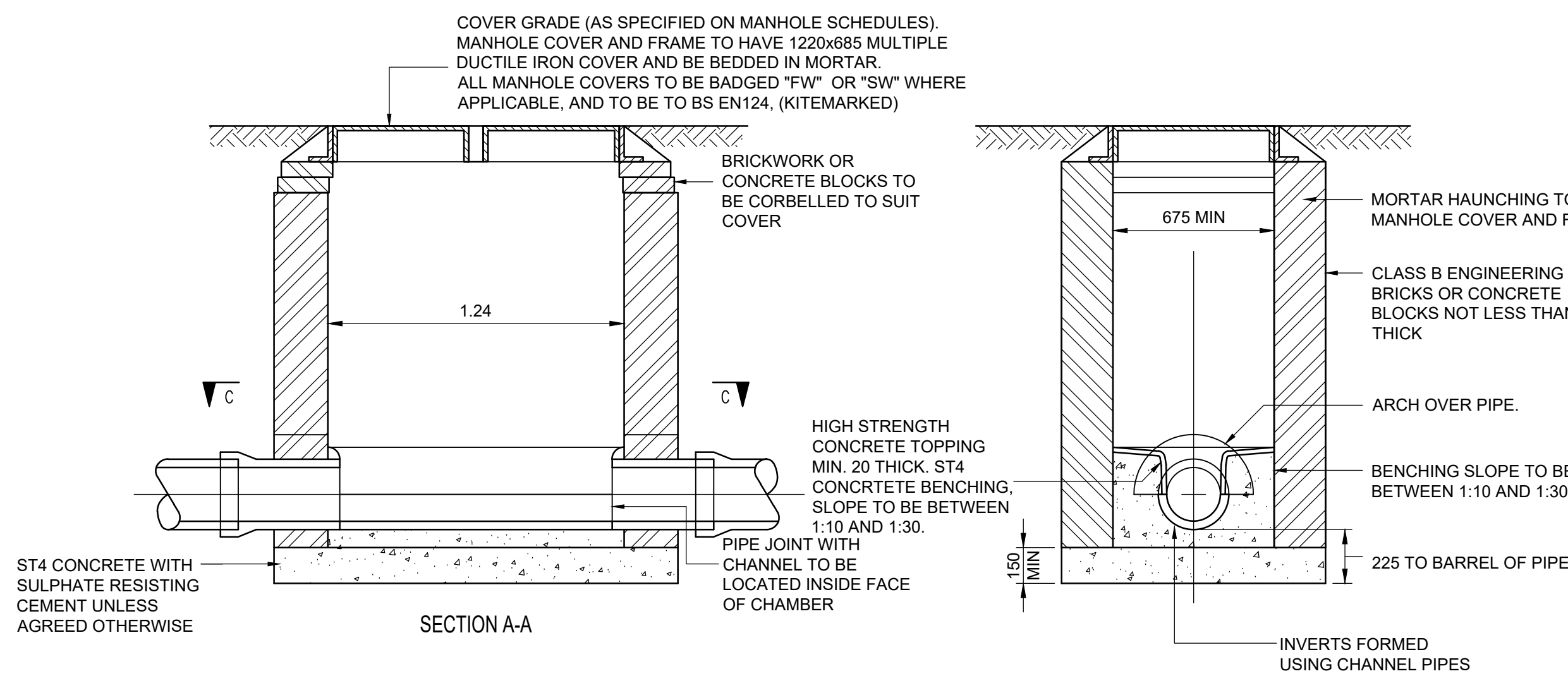


TYPICAL MANHOLE DETAIL - TYPE 2
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m

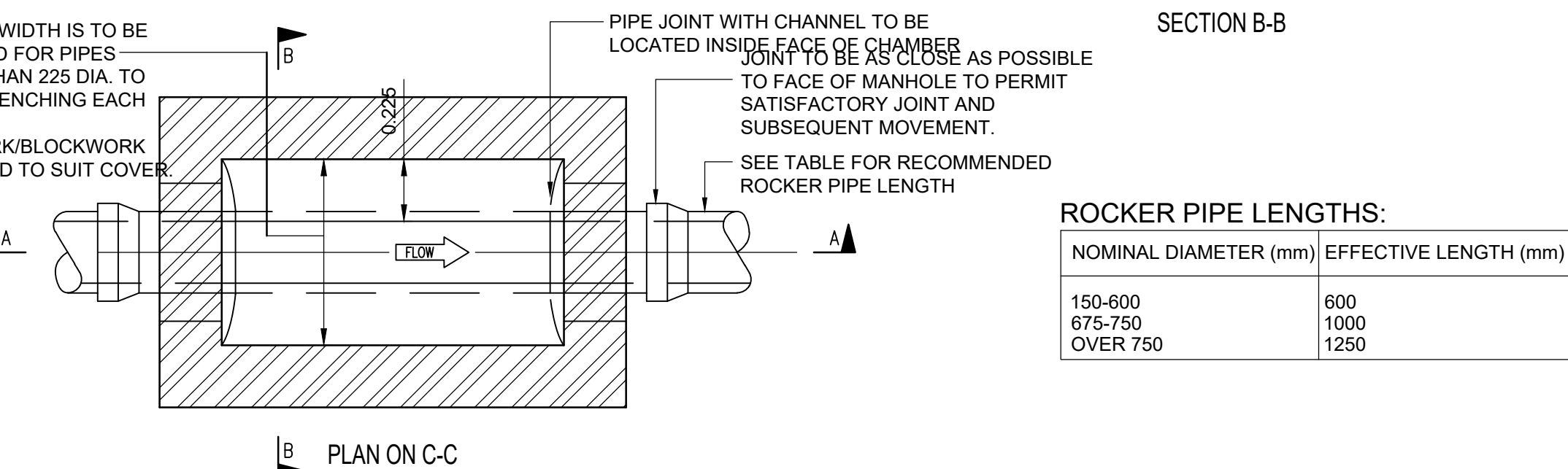
NOMINAL INTERNAL DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MINIMUM NOMINAL INTERNAL DIMENSION OF MANHOLE (mm)
LESS THAN 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
GREATER THAN 900	PIPE DIAMETER + 900



DESIGN D3 (UNDER VERGES - <900 COVER)
DESIGN D4 (UNDER CARRIAGEWAYS - <1200 COVER)
BEDDING DETAIL - CLASS 'Z'



TYPICAL MANHOLE DETAIL - TYPE C
(DEPTH TO SOFFIT 1m TO 1.5m)



TRAPPED GULLY WITH SPIGOT OUTLET

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MANUAL FOR CONTRACT DOCUMENTS, THE SPECIFICATIONS AND THE STANDARD DRAWINGS, HAMPSHIRE COUNTY COUNCIL SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED.
2. IF THERE ARE ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
3. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
4. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES.
5. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
6. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS TO BE MADE WITHOUT PERMISSION FROM THE ENGINEER.
7. JOINTS IN FOUL AND SURFACE WATER DRAINS SHALL BE BY CAST IRON.
8. FOR MANHOLE SCHEDULES REFER TO DRAWING NUMBER 17-301/306.
9. SURFACE WATER DRAINAGE INVERT LEVELS TO BE DRAIN TO OUTGOING PIPE. ALLOWANCE TO BE MADE FOR SUMP TO CATCHPITS AS SHOWN ON THE HAMPSHIRE COUNTY COUNCIL STANDARD DETAILS.
10. GULLY AND GULLY DRAINS TO BE IN ACCORDANCE WITH THE STANDARD DETAILS AND TO FOLLOW THE STANDARD DETAILS IN ASSOCIATION WITH THE DRAINAGE DESIGN.
11. MANHOLE CHAMBER INVERTS TO HAVE A GRADIENT NOT LESS THAN THAT OF THE OUTGOING PIPE.
12. THE CENTRELINE OF THE MANHOLE IS NOT TO DEVIATE FROM COINCIDENTAL WITH THE CENTRELINE OF THE MAIN PIPE.
13. POSITION OF MANHOLE COVER SLAB AND STEP RUNGS TO BE DIRECTED ON SITE.
14. WHERE THE COVER DIAMETERS ARE SMALLER ARE BUILT INTO THE MANHOLE, THEY SHOULD BE LAID TO COMMON SUFFLY UNLESS OTHERWISE STATED.
15. MINIMUM GULLY PIPE GRADIENT TO BE 1:80.
16. WHERE THE COVER DIAMETERS ARE SMALLER, THE MANHOLES TO BE MADE UPRIGHT OR OBLOQUE.
17. ALL JOINTS IN CHANNELS SHALL BE MADE BY CAST IRON CHANNEL JOINTS WITH CHANNEL/CHANNEL AND CHANNEL/PIPE JOINTS AS NECESSARY.
18. AT SIGNIFICANT CHANGES IN DIRECTION, THE LARGEST PRACTICAL RADIUS OF CHANNEL JOINTS SHALL BE USED.
19. ALL MATERIALS TO BE CLASS 1 UNLESS NOTED OTHERWISE.

FOR CONSTRUCTION
SUBJECT TO TECHNICAL
APPROVAL

B	JOB TITLE UPDATED	HM	RM	TG	21.06.21
A	ADDITIONAL MH DETAILS ADDED	JA	RM	TG	15.10.19
Rev	Amendments	Dir	Chk	Acc	Date



BORLEY GREEN, BOTLEY,
PHASE C5

Drawing Title

ADOPTABLE DRAINAGE
CONSTRUCTION DETAILS

BOVIS HOMES

Scale 1:20 @A0	Date AUG 2018	Designed RM
Drawn JA	Checked RM	Approved TG
Job No 17-301	Drawing No 17-301/303	Rev B