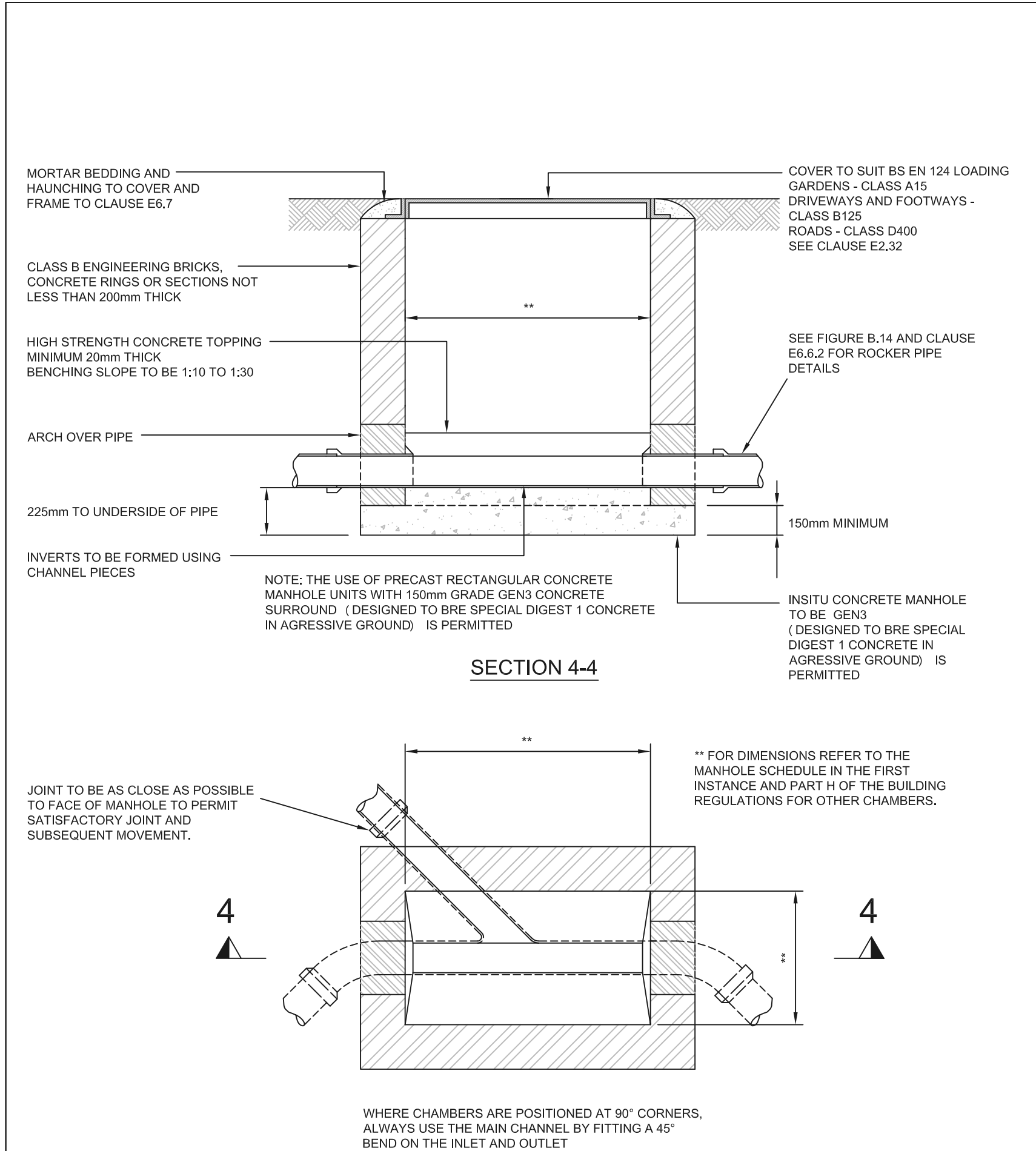




TYPICAL INSPECTION CHAMBER TYPE 4
MAXIMUM DEPTH FROM COVER TO SOFFIT OF PIPE 1.0m
SCALE 1:25

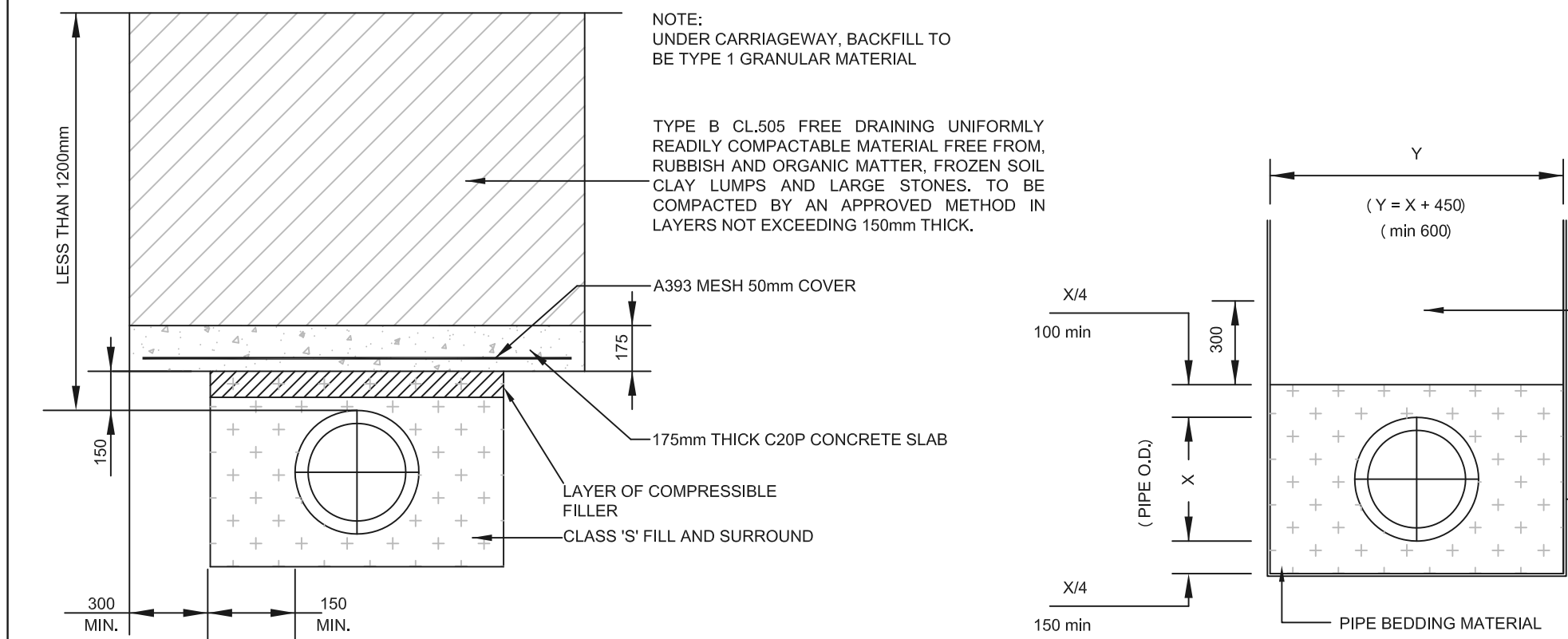
BEDDING TYPES	
PIPE BEDDING	DEPTH OF COVER BELOW ROADS
PIPE TYPE	1.2m-3.5m
	TYPE S
PIPE TYPE	CONCRETE TO BS 5911-1:2002 MIN CRUSHING LOAD 69kN/m
	OR
PIPE TYPE	VITRIFIED CLAY TO BS:65, WITH FLEXIBLE JOINTS SUPER STRENGTH CLASS FOR 225 AND 300mm; EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.

CLASS	SUITABILITY
B125	FOOTWAYS AND PEDESTRIAN AREAS
D400	CARRIAGEWAYS, HARD SHOULDERS, AND PARKING AREAS.

NOTES: ALL COVERS TO BE BADGED 'SW' AND 'FW'.

NOTE: ALL COVERS AND FRAMES TO BE DUCTILE IRON TO BS EN 124. ACCESS COVERS FOR TYPE A/B MANHOLES SHALL BE SQUARE, DOUBLE TRIANGULAR, NON-ROCKING TYPE, MIN. CLEAR OPENING OF 675mmx675mm.

NOTE: UNLESS SHOWN OTHERWISE ALL MORTAR AND CONCRETE INCLUDING INSITU AND PRECAST SHALL COMPLY WITH CLASS 2 SULPHATE CONDITIONS AS DESCRIBED IN BRE DIGEST 363.



PIPE BEDDING DETAIL WHERE DEPTH TO SOFFIT IS LESS THAN 1200mm
NOT TO SCALE

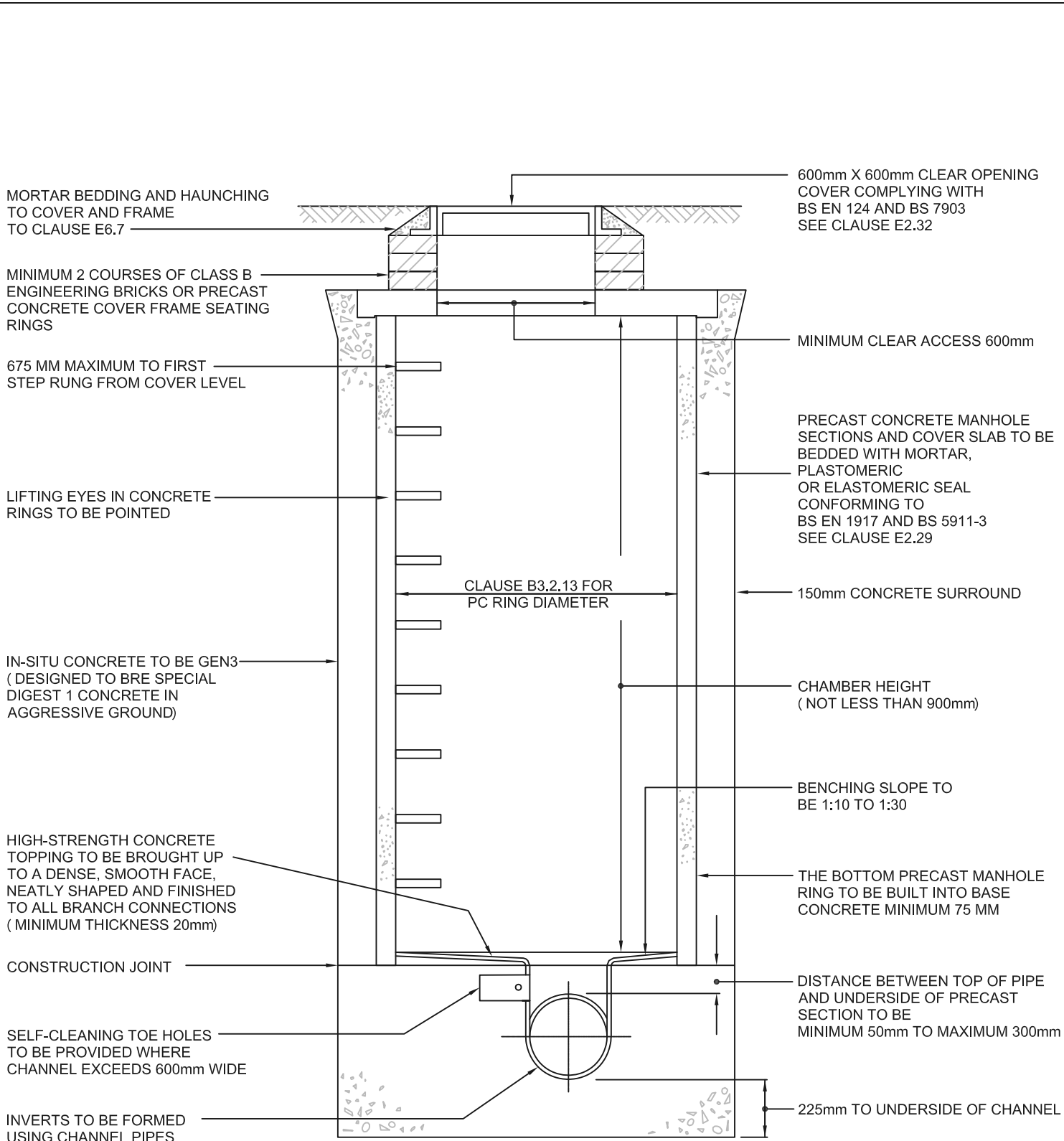
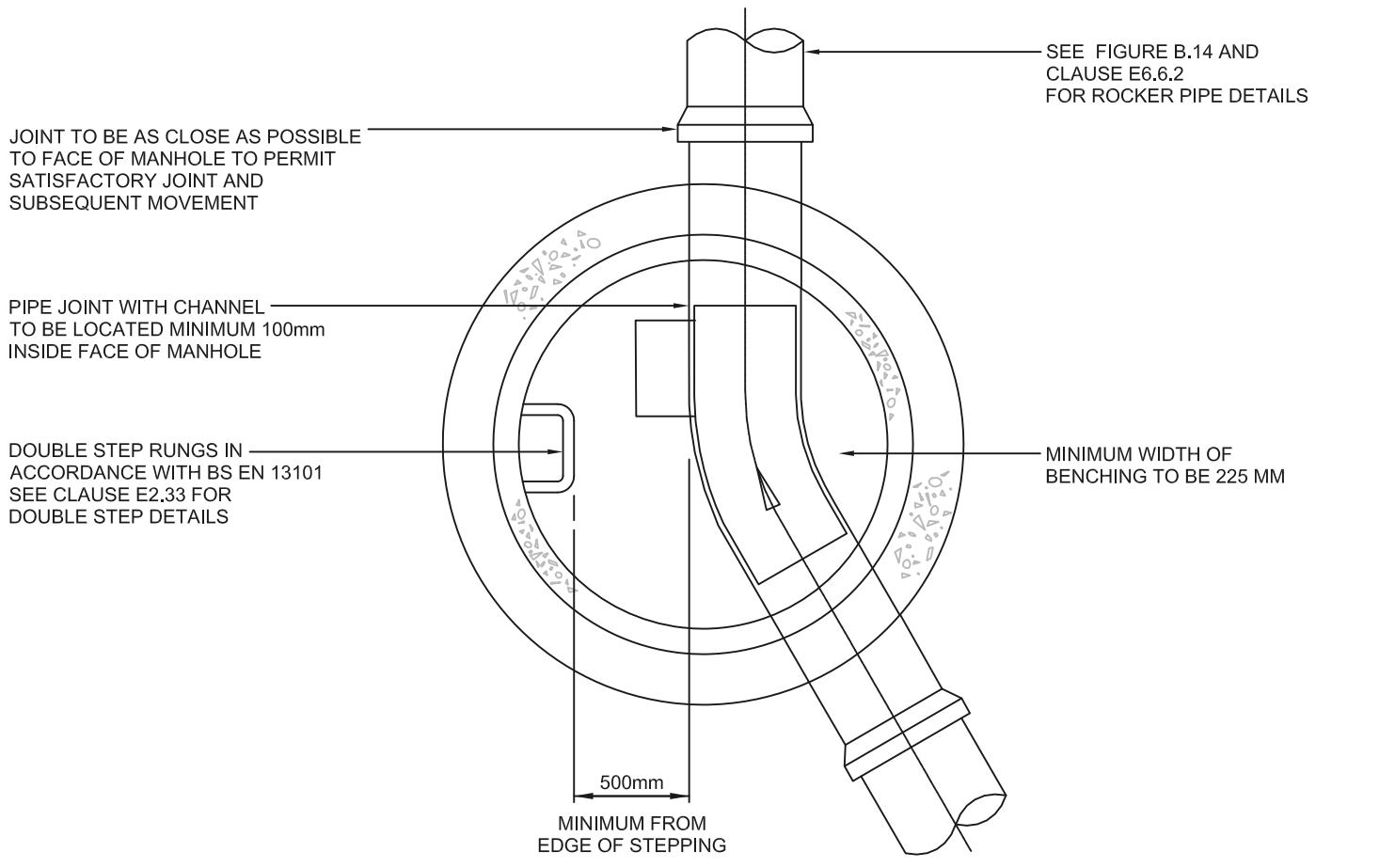
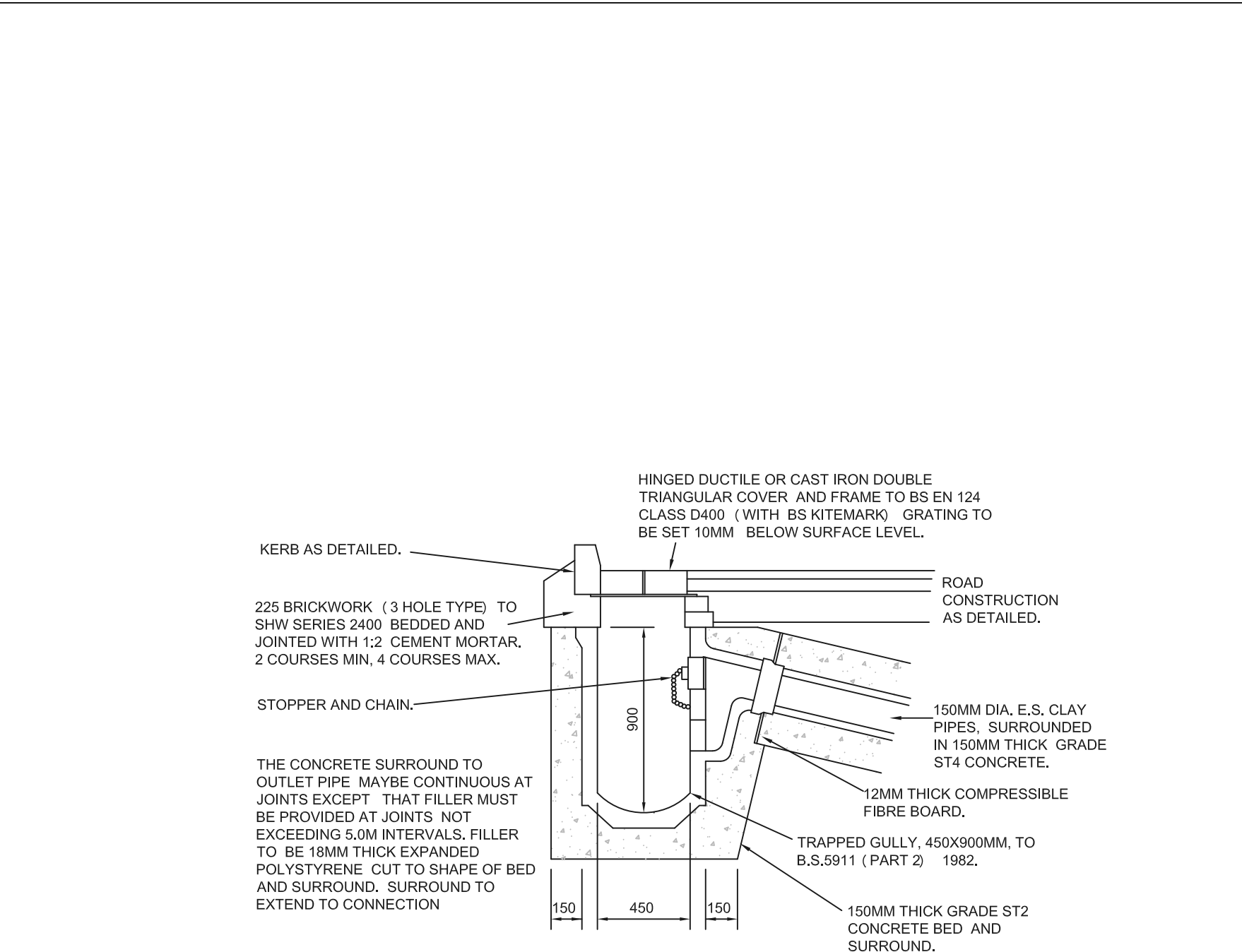
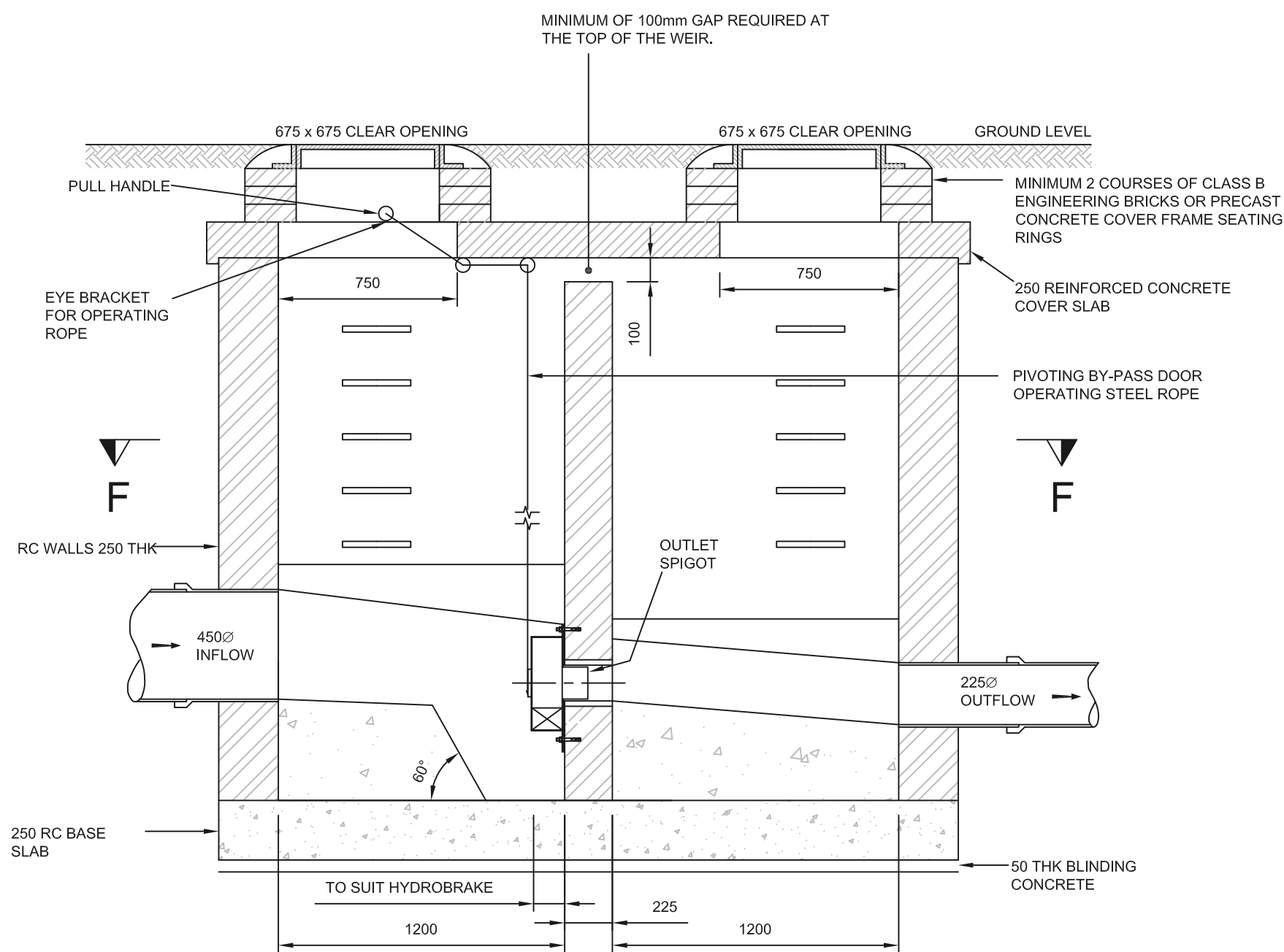


FIGURE B.12
TYPICAL MANHOLE DETAIL - TYPE 2
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m
NTS



ROAD GULLY DETAIL



SECTION F-F
ADOPTABLE FLOW CONTROL CHAMBER
SCALE 1:25

- NOTES
- CONTRACTORS MUST VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK ON SHOP DRAWINGS
- DO NOT SCALE FROM THIS DRAWING
- RCD CONSULTANTS LTD COPYRIGHT
1. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND CALCULATIONS ASSOCIATED WITH THIS PROJECT.
3. ALL ADAPTABLE DRAINAGE WORKS ARE TO BE CARRIED OUT TO THE REQUIREMENTS AND FULL SATISFACTION OF SEVERN TRENT SERVICES LTD.
4. ALL ADAPTABLE HIGHWAY WORKS ARE TO BE CARRIED OUT TO THE REQUIREMENTS AND FULL SATISFACTION OF STAFFORDSHIRE COUNTY COUNCIL.
5. ALL SEWERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH WATER AUTHORITIES ASSOCIATION PUBLICATION 'SEWERS FOR ADOPTION 7TH EDITION'.
6. ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION.
7. ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.
8. THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.
9. PRIOR TO ANY WORKS COMMENCING THE CONTRACTOR IS TO CONFIRM BACK TO THE ENGINEER THE INVERT LEVEL OF MANHOLE EXF11 AND THE INVERT LEVEL OF THE WATERCOURSE AT S13.
10. SMALL LIGHTWEIGHT ACCESS COVERS SHOULD BE SECURED (FOR EXAMPLE WITH SCREWS) TO DETER UNAUTHORISED ACCESS.
11. INSPECTION CHAMBERS AND MANHOLES IN BUILDINGS TO HAVE MECHANICALLY FIXED AIRTIGHT COVERS UNLESS THE DRAIN ITSELF HAS WATERTIGHT ACCESS COVERS.
12. ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
13. INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS: 5328.
14. ALL GULLIES TO BE TRAPPED.
15. FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
16. FOR LANDSCAPING SURFACE MATERIAL FINISHES REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
17. ALL PIPES TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE.
18. ALL ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002.
19. REFER TO DRAWINGS 1151-1002-CIV-14 TO 16 FOR ROAD SETTING OUT AND PROPOSED LEVELS.

A	FOR APPROVAL	21.03.15	RAC
REV	AMENDMENT	DATE	CHKD
DRAWING STATUS			

FOR APPROVAL

RCD

RCD CONSULTANTS LTD
23 HASTINGS ROAD ROAD, MAIDSTONE, KENT, ME15 7SH
MOBILE: 07702 052 137
EMAIL: ray@rds-uk.com

CLIENT
RELIANT BUILDING CONTRACTORS LTD
PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT KINGS ROAD SPALDING
DRAWING TITLE
DRAINAGE CONSTRUCTION DETAILS SHEET 1 OF 3

CIVILS

SCALE	DRAWN BY	CHECKED	DATE
AS SHOWN AT A1	RAC	MGC	MAR 2015
DRAWING NUMBER	REVISION		
1151-1004-CIV-40	A		