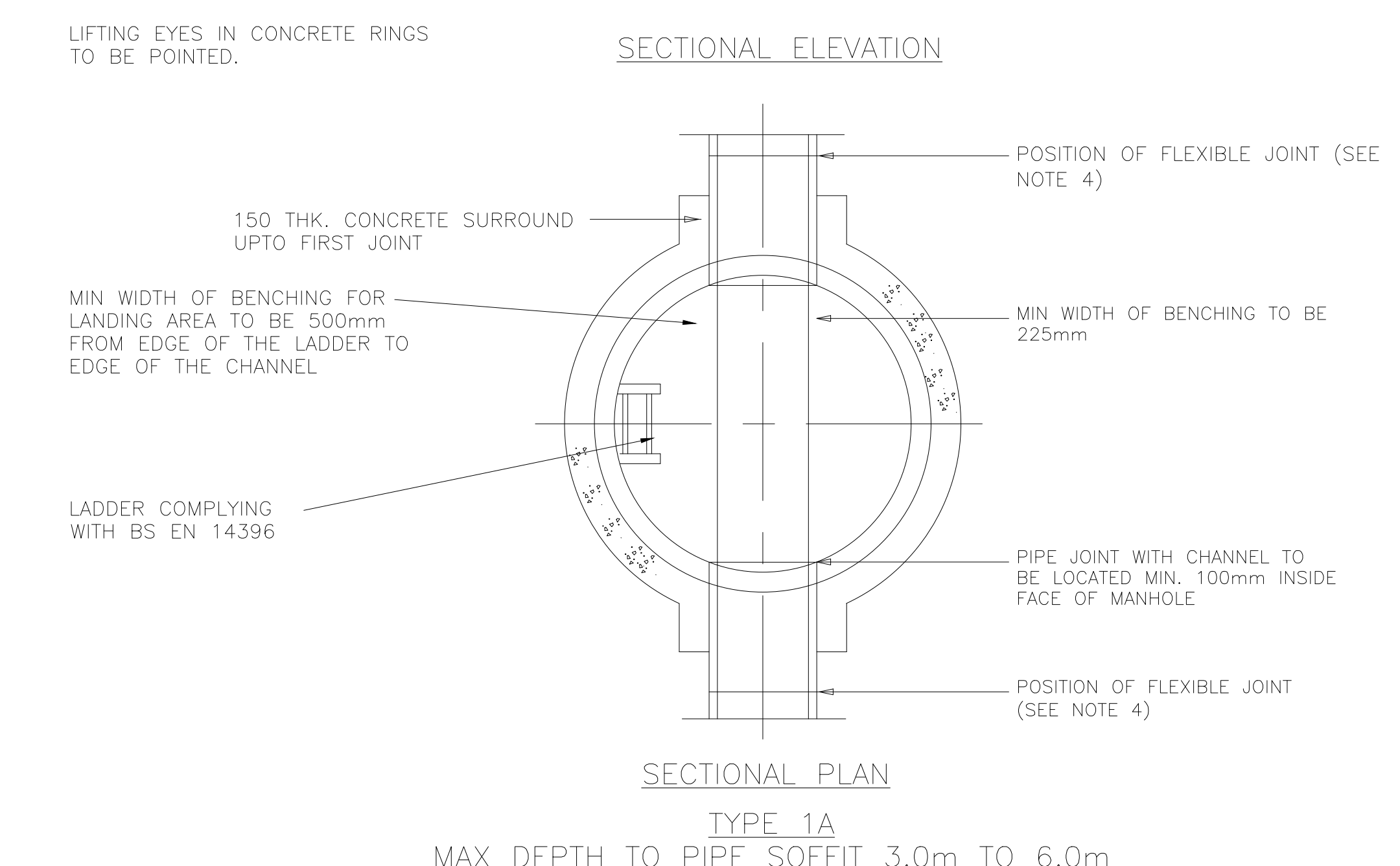
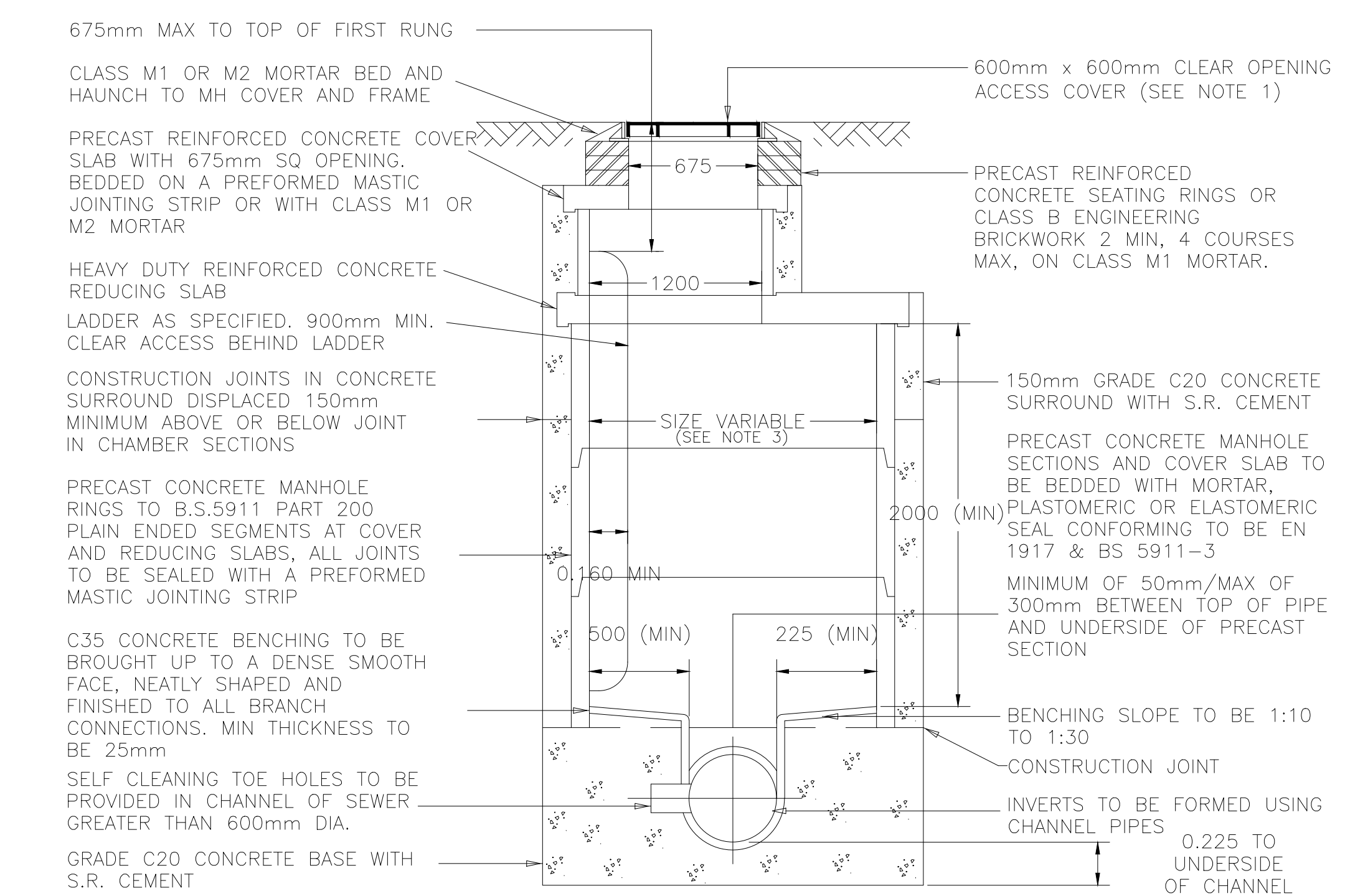
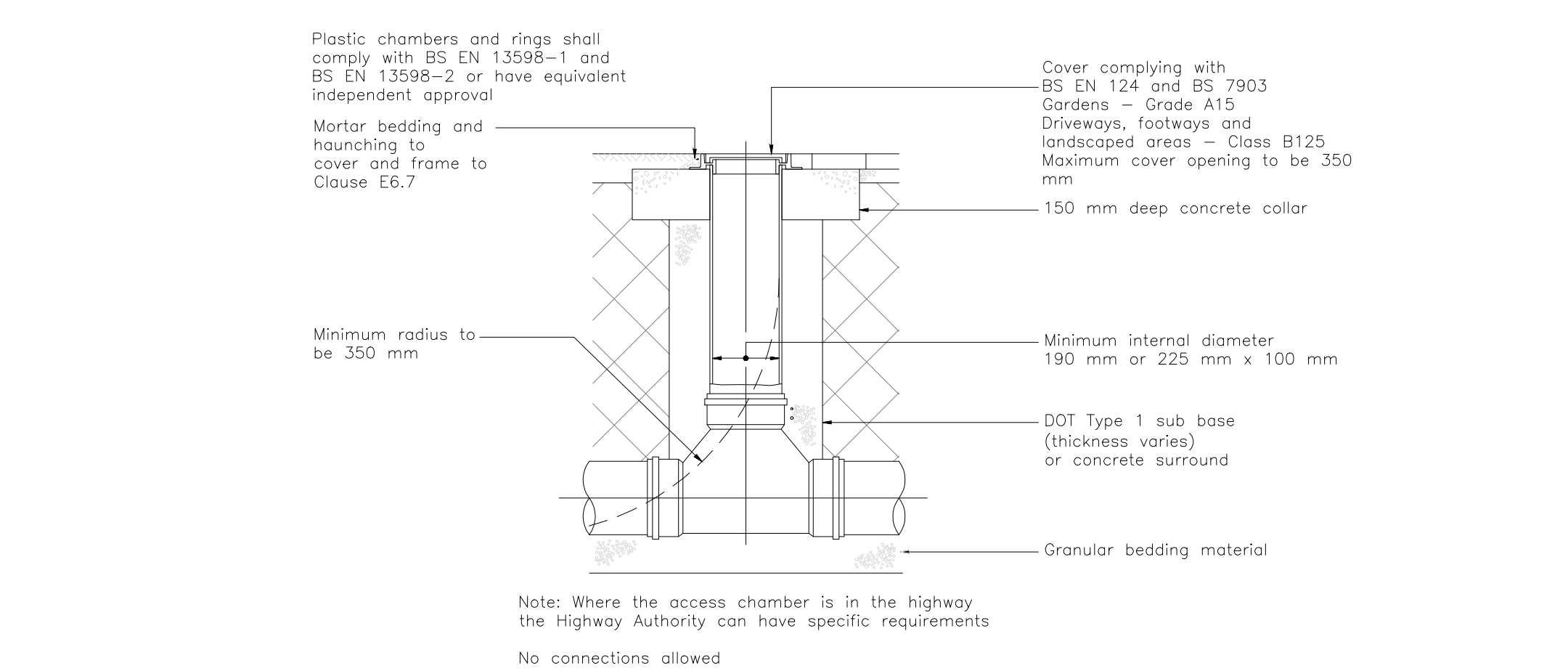
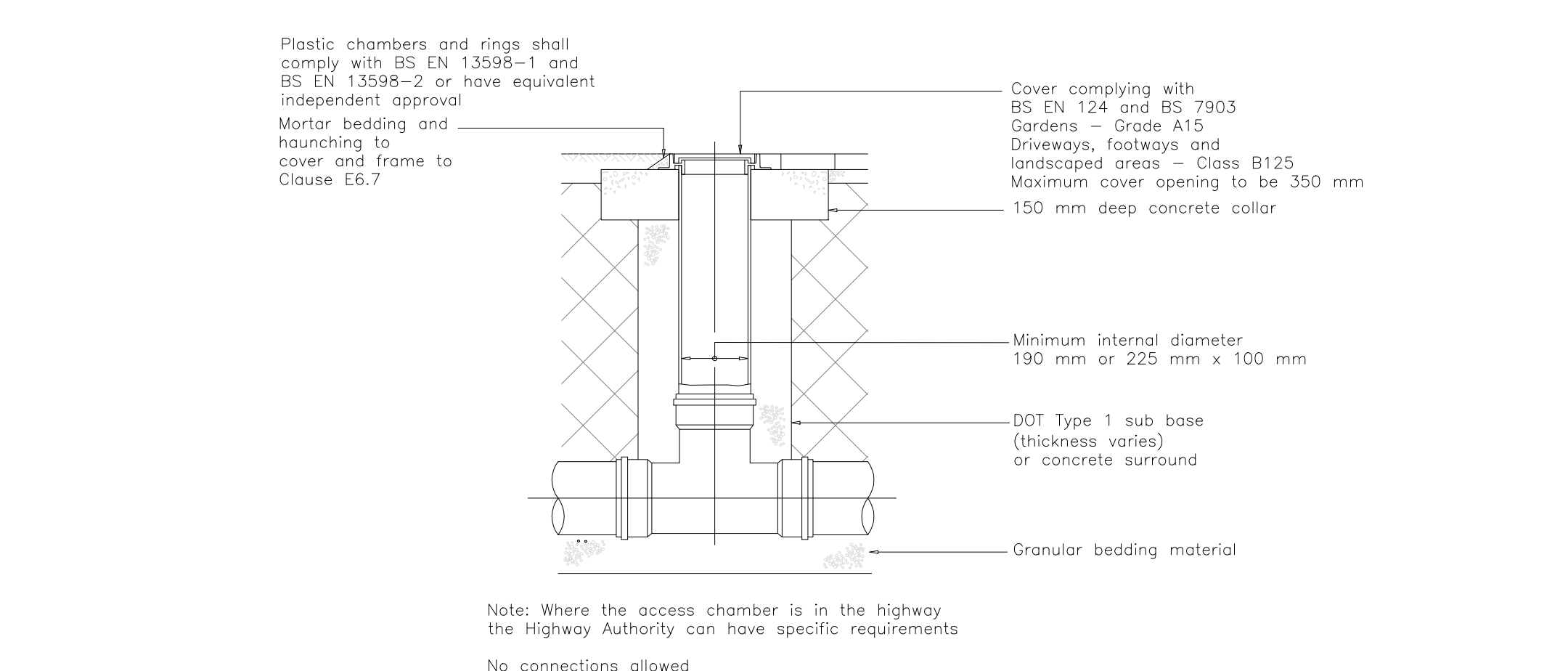




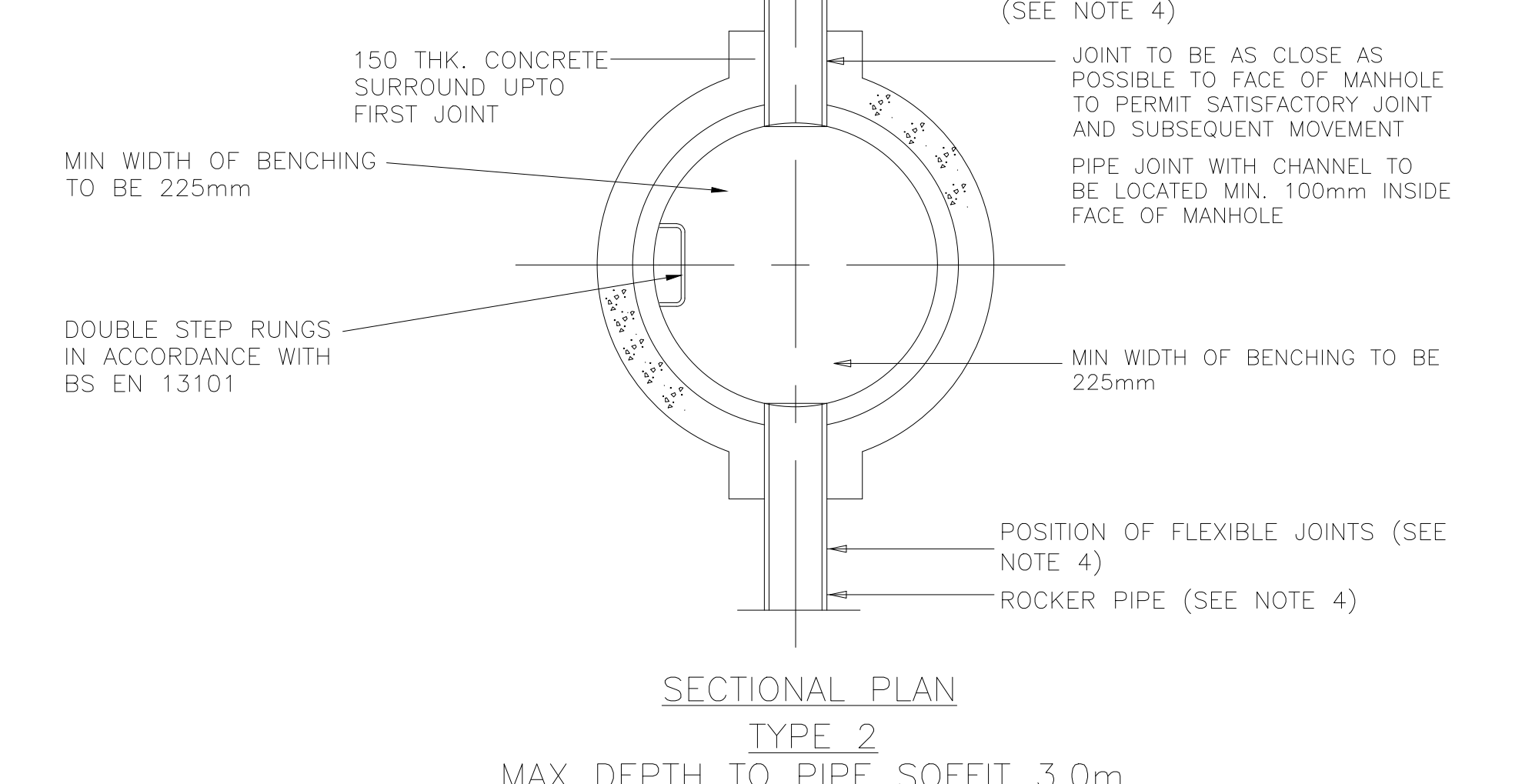
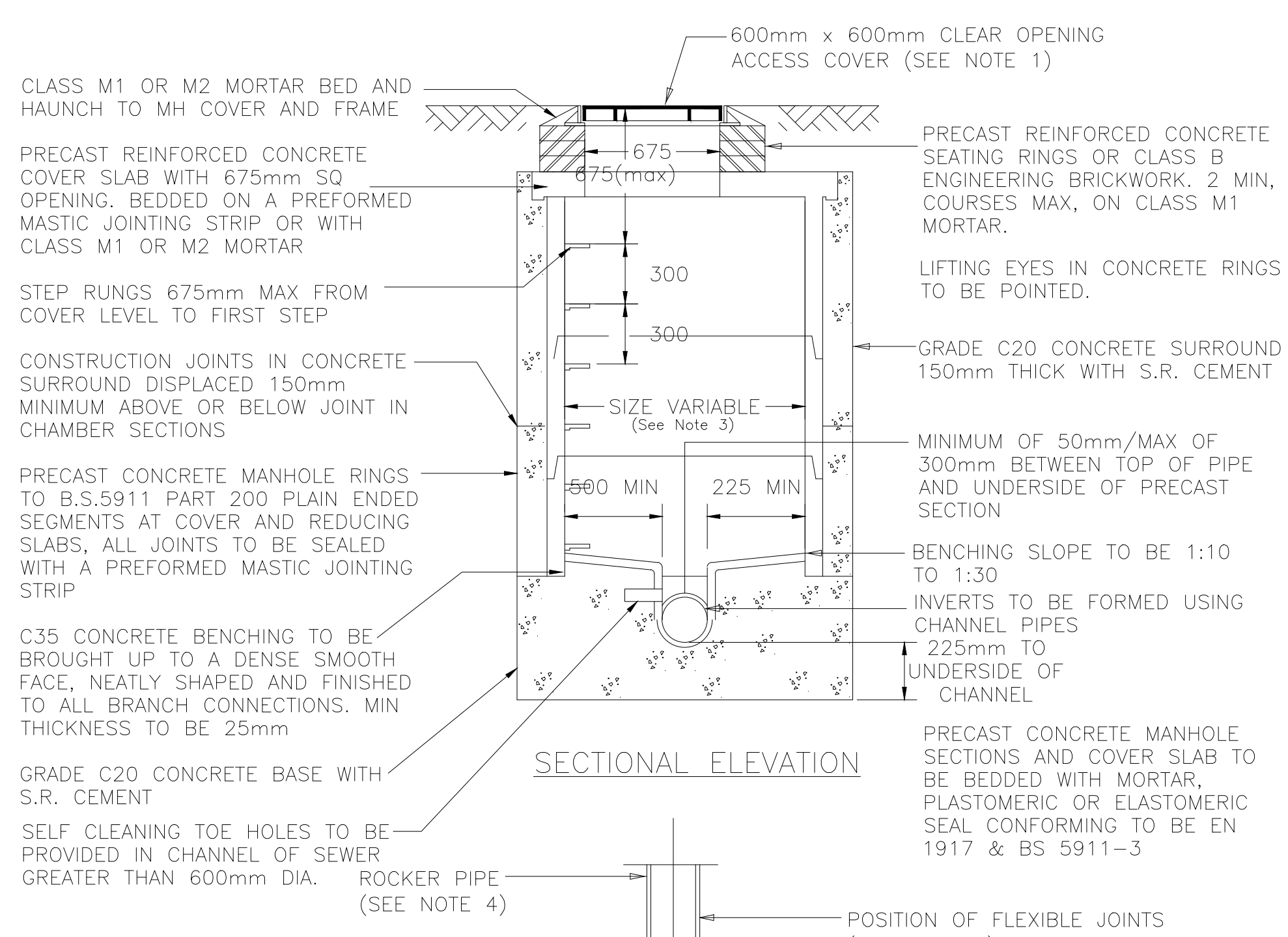
SECTIONAL ELEVATION
TYPE 1A
MAX DEPTH TO PIPE SOFFIT 3.0m TO 6.0m



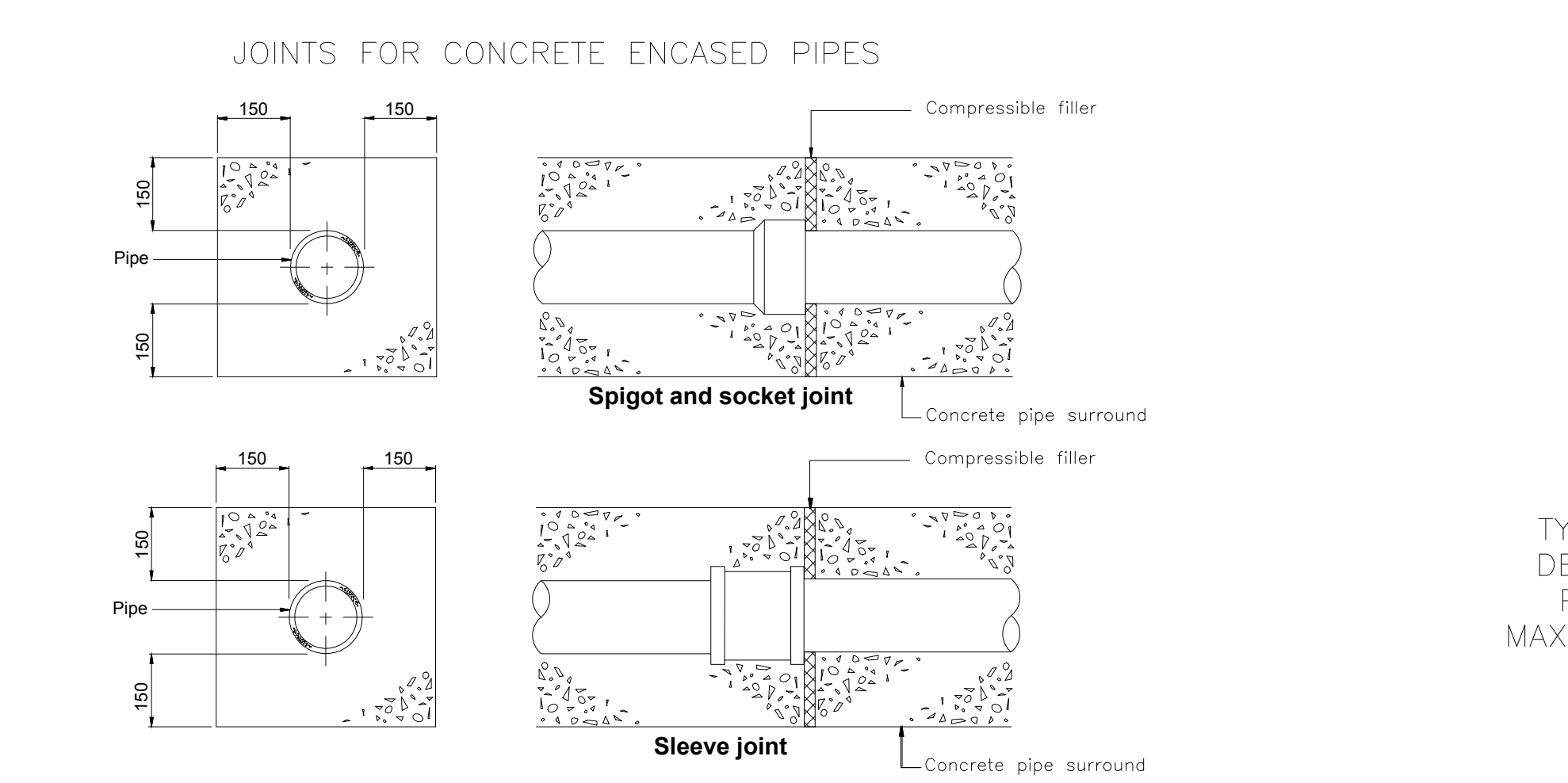
TYPICAL INSPECTION CHAMBER DETAIL
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2M, NON-ENTRY



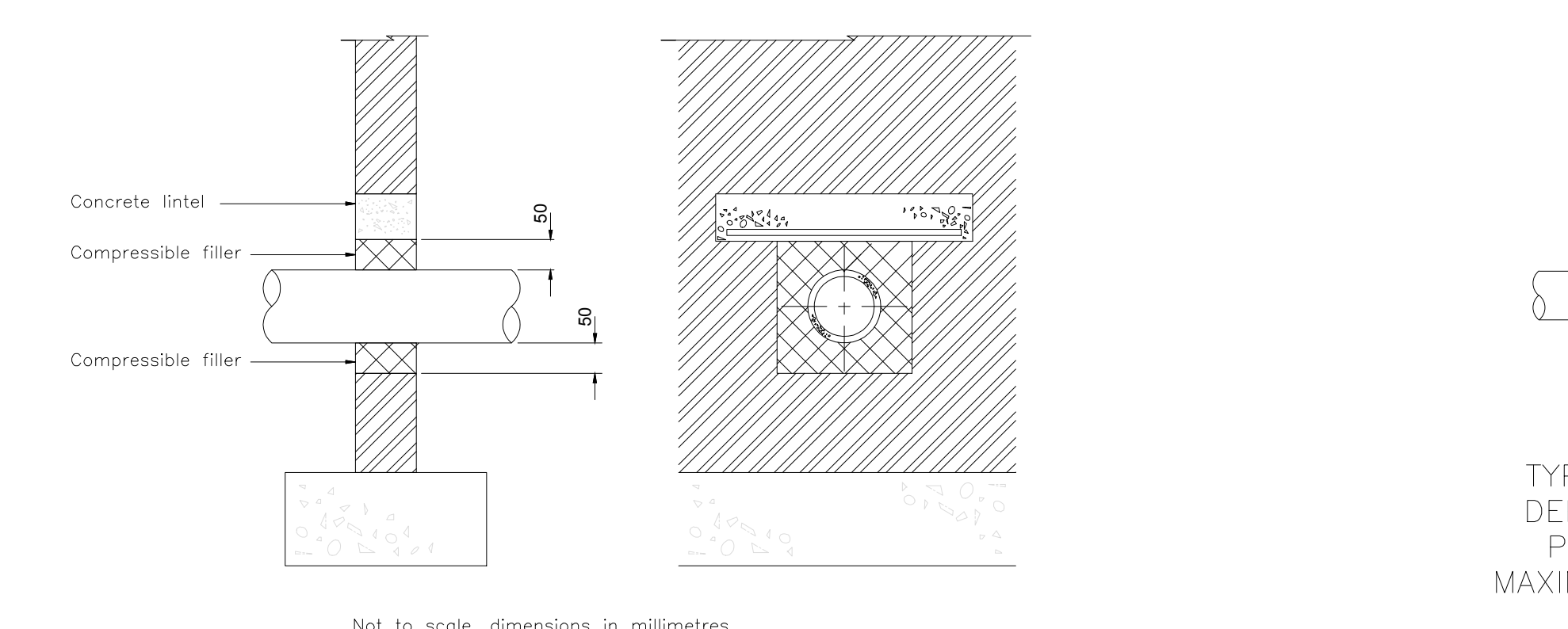
TYPICAL INSPECTION CHAMBER DETAIL
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 0.6M, NON-ENTRY



SECTIONAL ELEVATION
TYPE 2
MAX DEPTH TO PIPE SOFFIT 3.0m

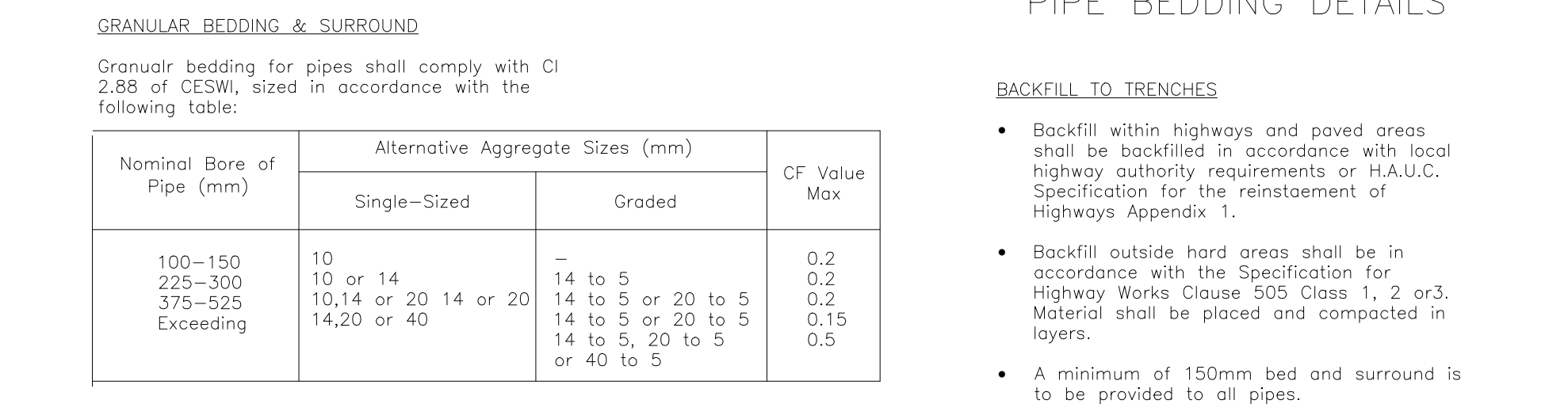


PROTECTION OF PIPES PENETRATING SINGLE LEAF BOUNDARY WALLS



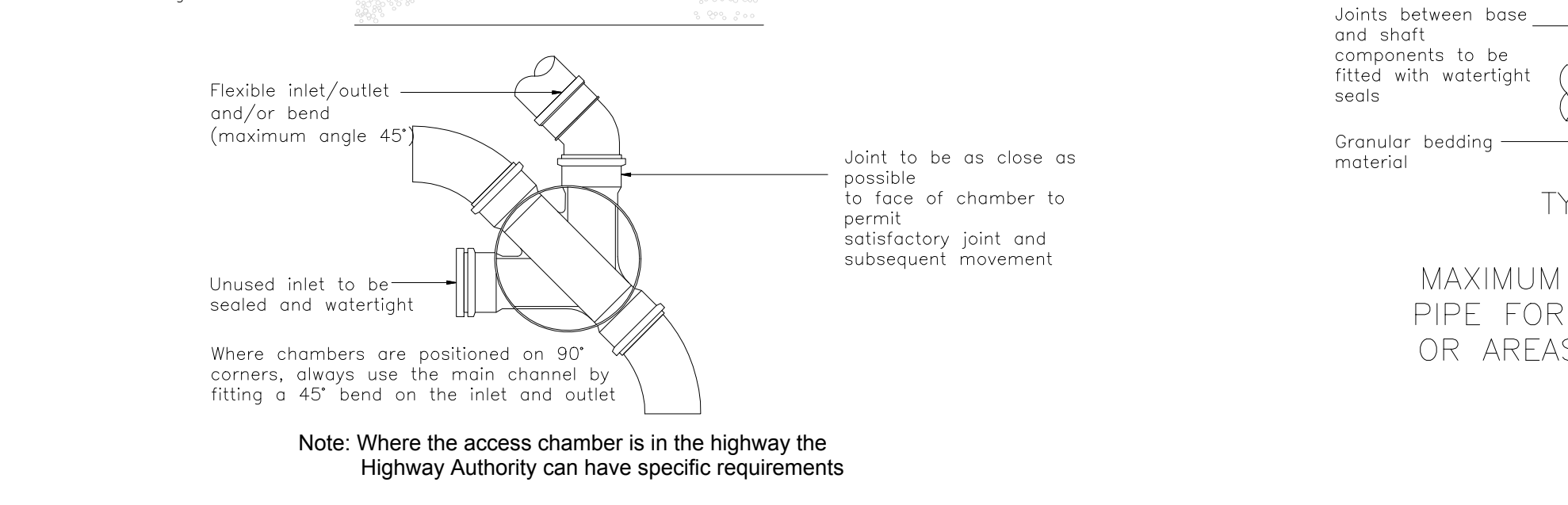
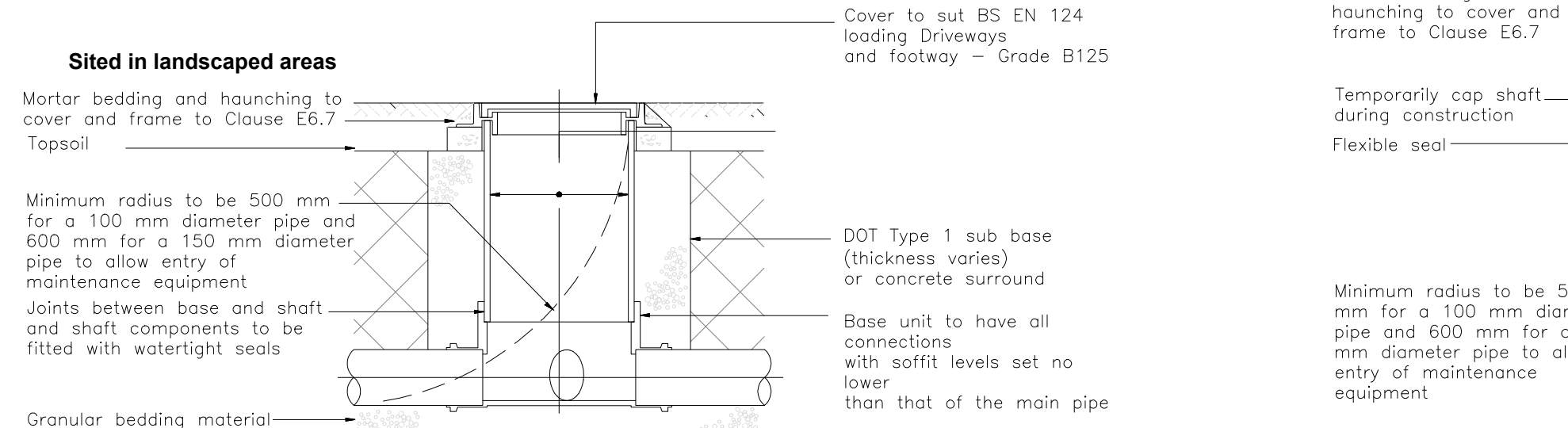
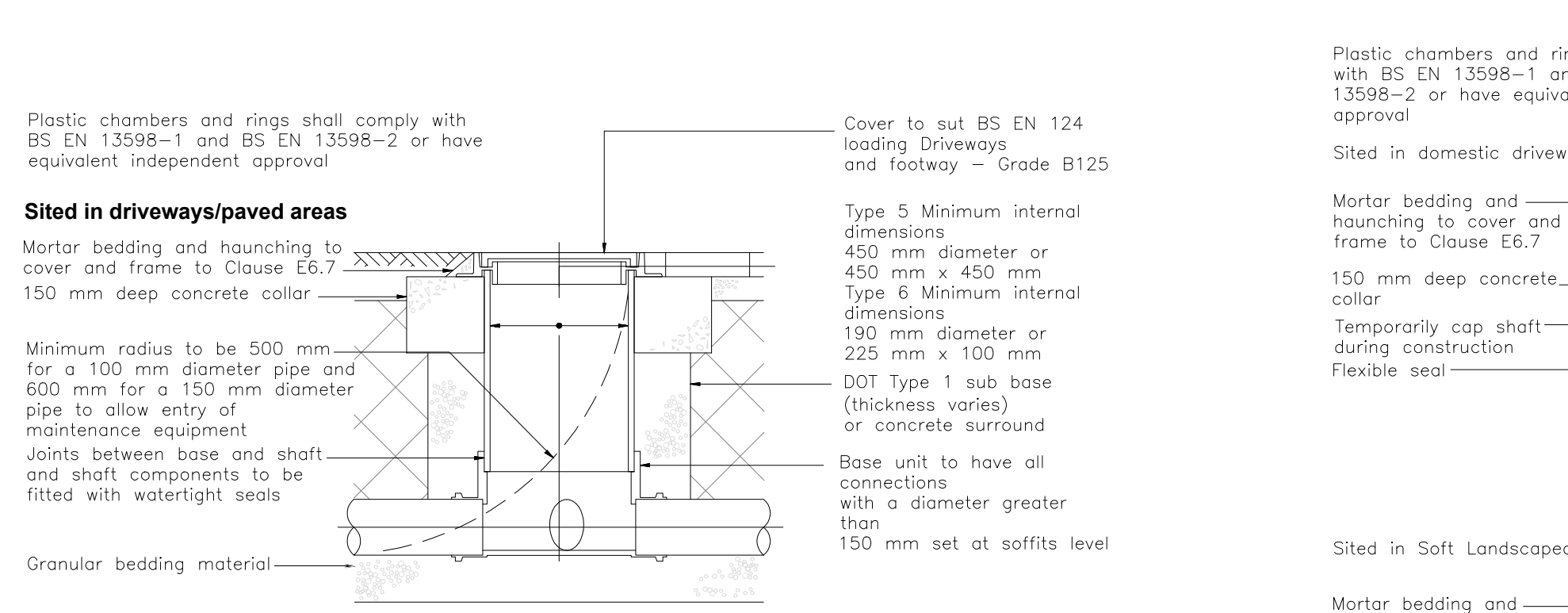
Not to scale, dimensions in millimetres

PIPE DIA	TRENCH WIDTH
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
1050	2050
1200	2300

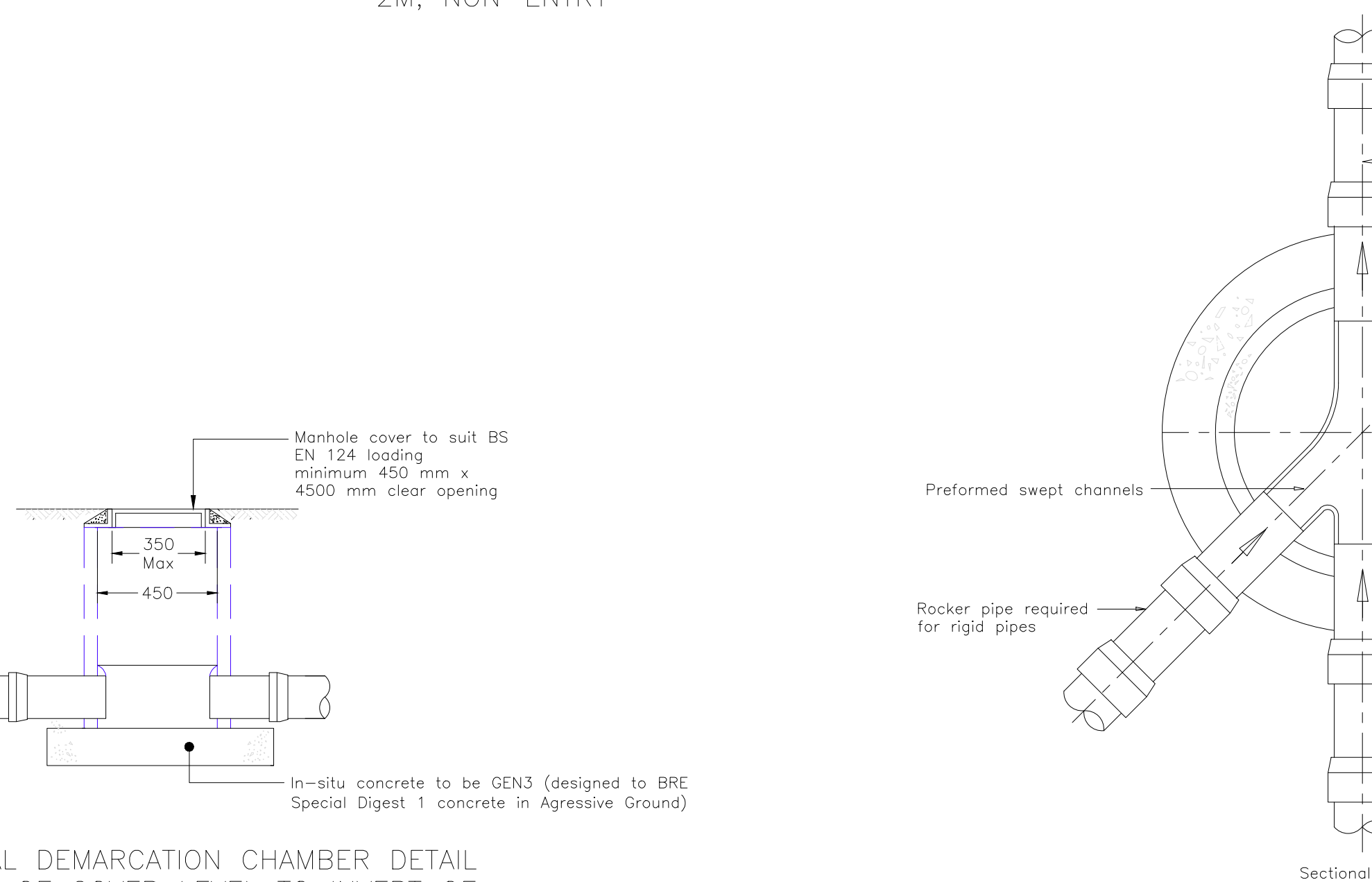


PIPE BEDDING DETAILS

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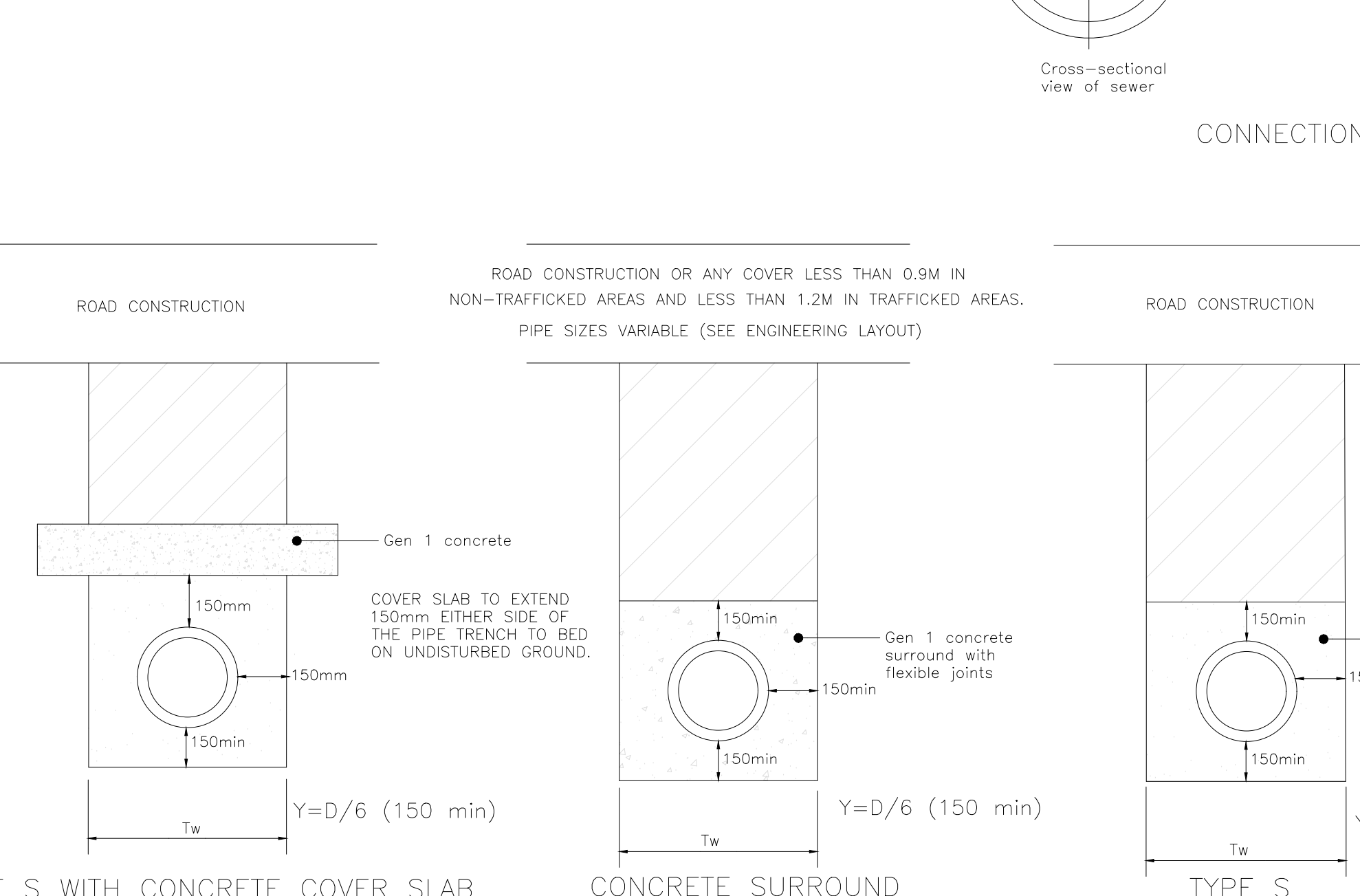
TYPICAL INSPECTION CHAMBER DETAIL
(FLEXIBLE MATERIAL DETAIL)
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2M, NON-ENTRY



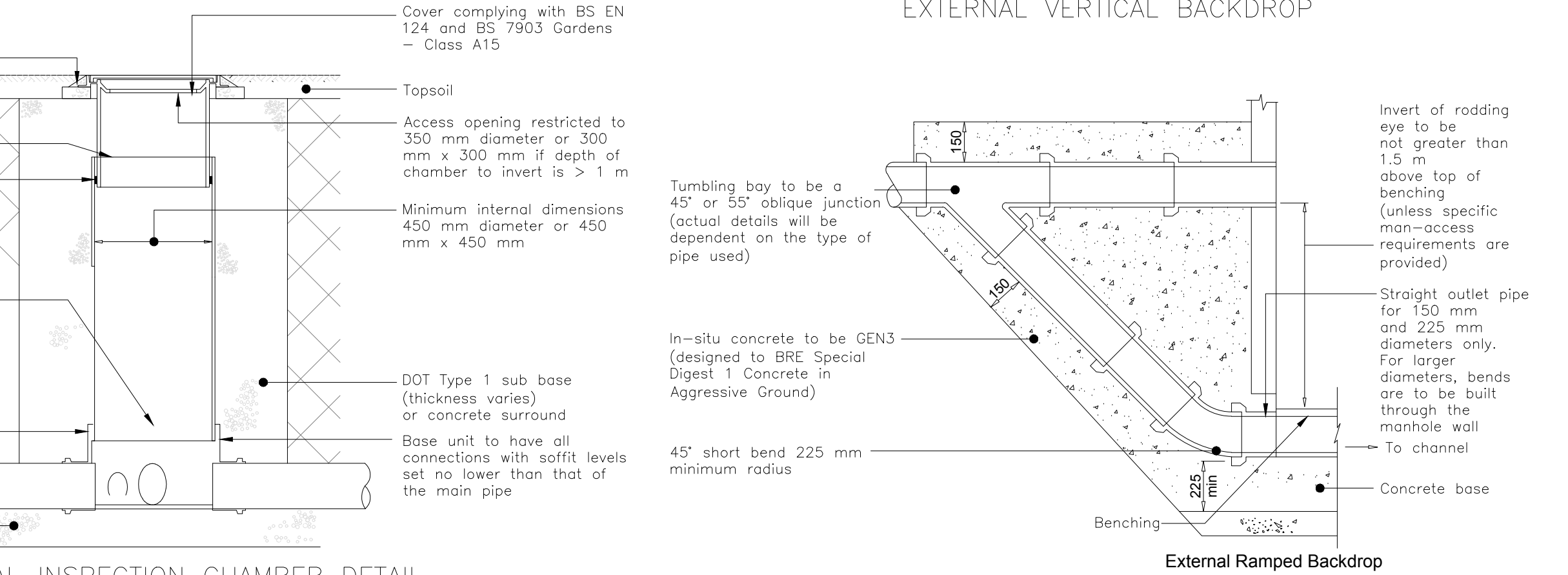
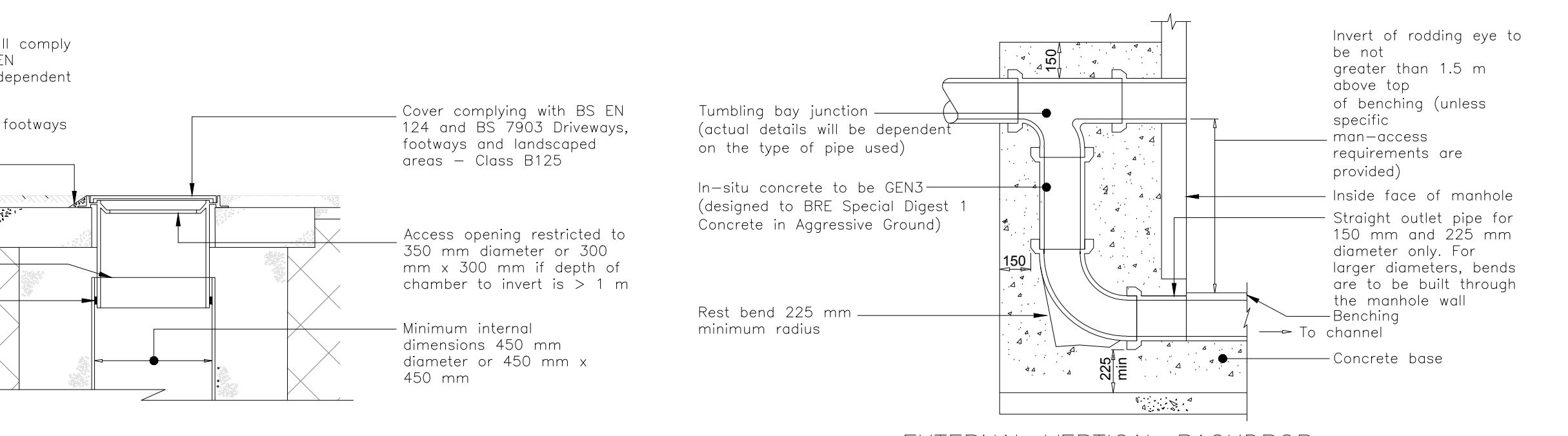
TYPICAL DEMARCATION CHAMBER DETAIL
DEPTH OF COVER LEVEL TO INVERT OF PIPE CHAMBER GREATER THAN 1.2M.
MAXIMUM LATERAL DRAIN DIAMETER 150MM



TYPICAL DEMARCATION CHAMBER DETAIL
DEPTH OF COVER LEVEL TO INVERT OF PIPE CHAMBER GREATER THAN 1.2M.
MAXIMUM LATERAL DRAIN DIAMETER 150MM



TYPICAL DEMARCATION CHAMBER DETAIL
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 0.6M, NON-ENTRY

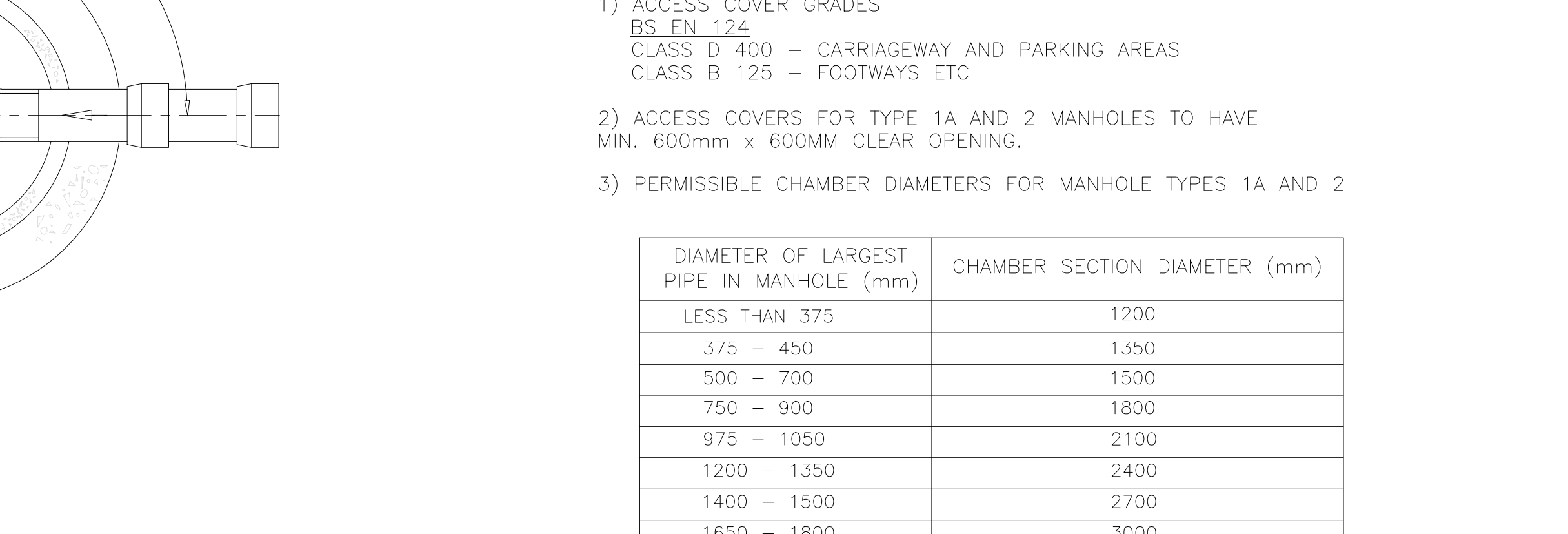


EXTERNAL RAMPED BACKDROP
TYPICAL VERTICAL AND RAMPED BACKDROP DETAIL

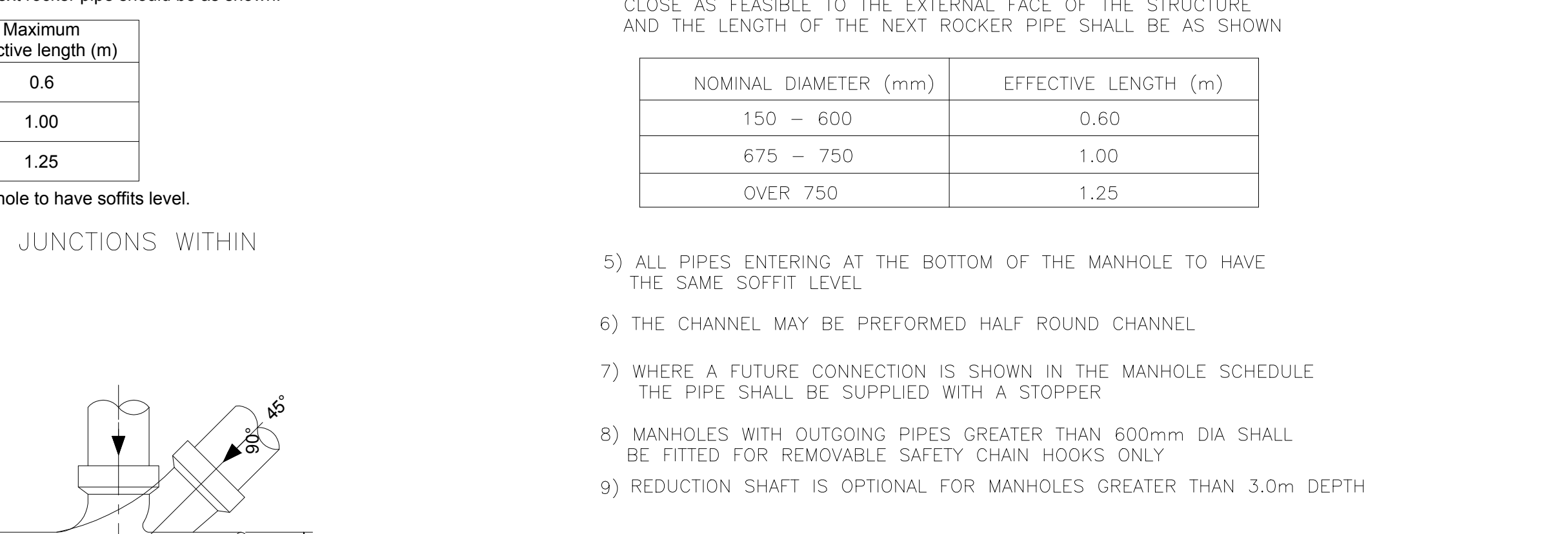
Note: Sloper gradients are preferred to the use of backdrops. Type of backdrop to be used to be agreed with Underdrain.



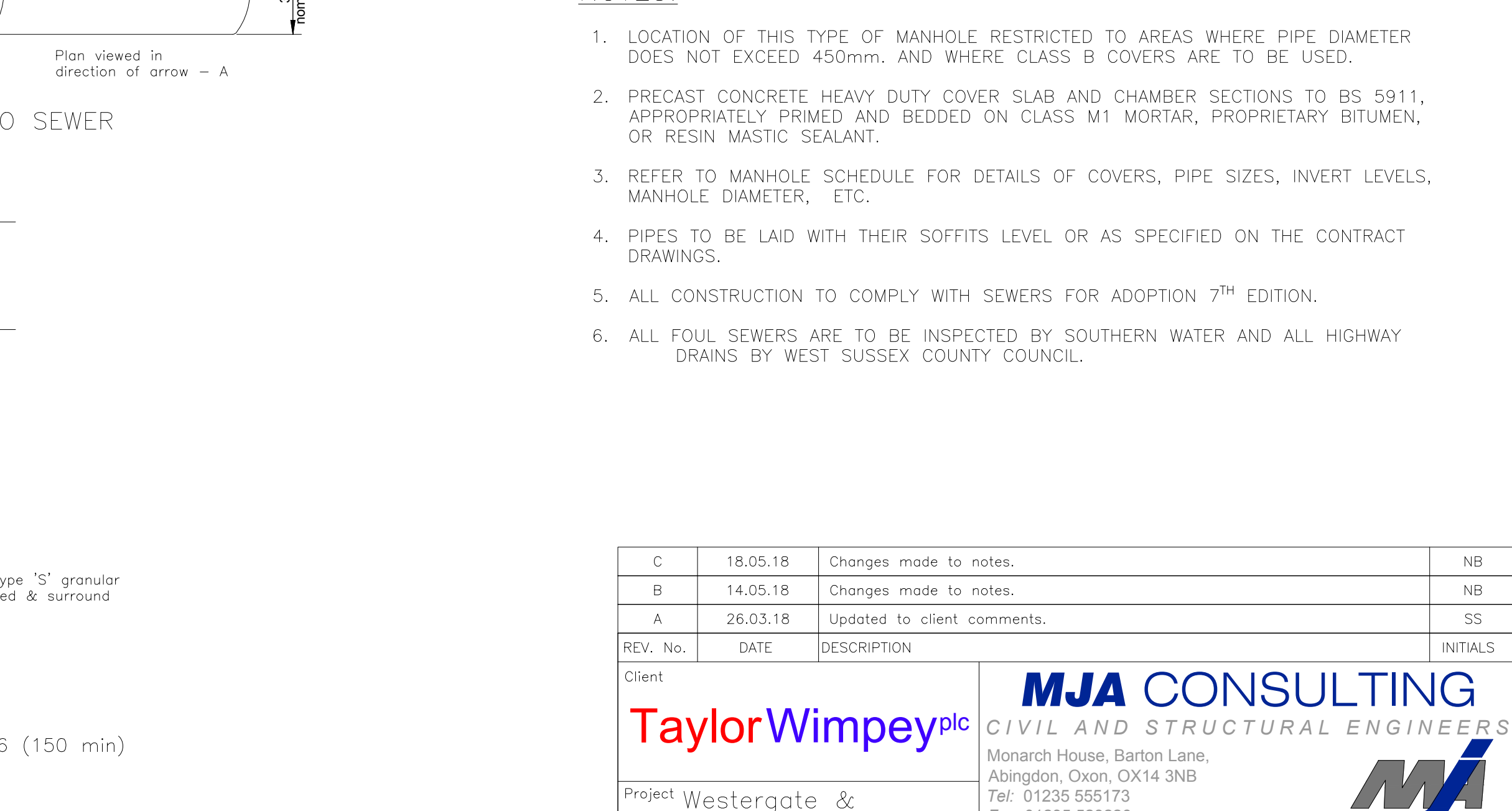
TYPICAL INSPECTION CHAMBER DETAIL
(FLEXIBLE MATERIAL DETAIL)
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2M, NON-ENTRY



TYPICAL DEMARCATION CHAMBER DETAIL
DEPTH OF COVER LEVEL TO INVERT OF PIPE CHAMBER GREATER THAN 1.2M.
MAXIMUM LATERAL DRAIN DIAMETER 150MM



TYPICAL DEMARCATION CHAMBER DETAIL
DEPTH OF COVER LEVEL TO INVERT OF PIPE CHAMBER GREATER THAN 1.2M.
MAXIMUM LATERAL DRAIN DIAMETER 150MM



TYPICAL DEMARCATION CHAMBER DETAIL
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 0.6M, NON-ENTRY

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SPECIFICATION NOTES:

- ACCESS COVER GRADES
BS EN 124
CLASS D 400 – CARRIAGEWAY AND PARKING AREAS
CLASS B 125 – FOOTWAYS ETC
- ACCESS COVERS FOR TYPE 1A AND 2 MANHOLES TO HAVE MIN. 600mm x 600mm CLEAR OPENING.
- PERMISSIBLE CHAMBER DIAMETERS FOR MANHOLE TYPES 1A AND 2

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200
375 – 450	1350
500 – 700	1500
750 – 900	1800
975 – 1050	2100
1200 – 1350	2400
1400 – 1500	2700
1650 – 1800	3000

- PIPES BUILT INTO MANHOLES SHALL HAVE A FLEXIBLE JOINT AS CLOSE AS FEASIBLE TO THE EXTERNAL FACE OF THE STRUCTURE AND THE LENGTH OF THE NEXT ROCKER PIPE SHALL BE AS SHOWN

NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150 – 600	0.60
675 – 750	1.00
OVER 750	1.25

- ALL PIPES ENTERING AT THE BOTTOM OF THE MANHOLE TO HAVE THE SAME SOFFIT LEVEL
- THE CHANNEL MAY BE PERFORMED HALF ROUND CHANNEL
- WHERE A FUTURE CONNECTION IS SHOWN IN THE MANHOLE SCHEDULE THE PIPE SHALL BE SUPPLIED WITH A STOPPER
- MANHOLES WITH OUTGOING PIPES GREATER THAN 600mm DIA SHALL BE FITTED FOR REMOVABLE SAFETY CHAIN HOOKS ONLY
- REDUCTION SHAFT IS OPTIONAL FOR MANHOLES GREATER THAN 3.0m DEPTH
- LADDERS SHALL BE EITHER STAINLESS STEEL OR GRP, FIXINGS TO BE STAINLESS STEEL
- STEP RUNGS SHALL BE DOUBLE POLYPROPYLENE ENCAPSULATED

NOTES:

- LOCATION OF THIS TYPE OF MANHOLE RESTRICTED TO AREAS WHERE PIPE DIAMETER DOES NOT EXCEED 450mm. AND WHERE CLASS B COVERS ARE TO BE USED.
- PRECAST CONCRETE HEAVY DUTY COVER SLAB AND CHAMBER SECTIONS TO BS 5911, APPROPRIATELY PRIMED AND BEDDED ON CLASS M1 MORTAR, PROPRIETARY BITUMEN, OR RESIN MASTIC SEALANT.
- REFER TO MANHOLE SCHEDULE FOR DETAILS OF COVERS, PIPE SIZES, INVERT LEVELS, MANHOLE DIAMETER, ETC.
- PIPES TO BE LAID WITH THEIR SOFFITS LEVEL OR AS SPECIFIED ON THE CONTRACT DRAWINGS.
- ALL CONSTRUCTION TO COMPLY WITH SEWERS FOR ADOPTION 7TH EDITION.
- ALL Foul SEWERS ARE TO BE INSPECTED BY SOUTHERN WATER AND ALL HIGHWAY DRAINS BY WEST SUSSEX COUNTY COUNCIL.

C	18.05.18	Changes made to notes.		NB
B	14.05.18	Changes made to notes.		NB
A	26.03.18	Updated to client comments.		SS
REV. No.	DATE	DESCRIPTION		INITIALS
Client				
Project	Westergate & Eastergate			
Title	Sewer Construction Details Sheet 1	Scale As Shown	Drawn WSR	Rev 5655:21 C
Client				
Project	Westergate & Eastergate			
Title	Sewer Construction Details Sheet 1	Scale As Shown	Drawn WSR	Rev 5655:21 C