

TYPE 1
EMBEDMENT CLASS S1 TO S5

SECTION UNDER ROADWAY/HARDSTANDING
COVER GREATER THAN 1200mm

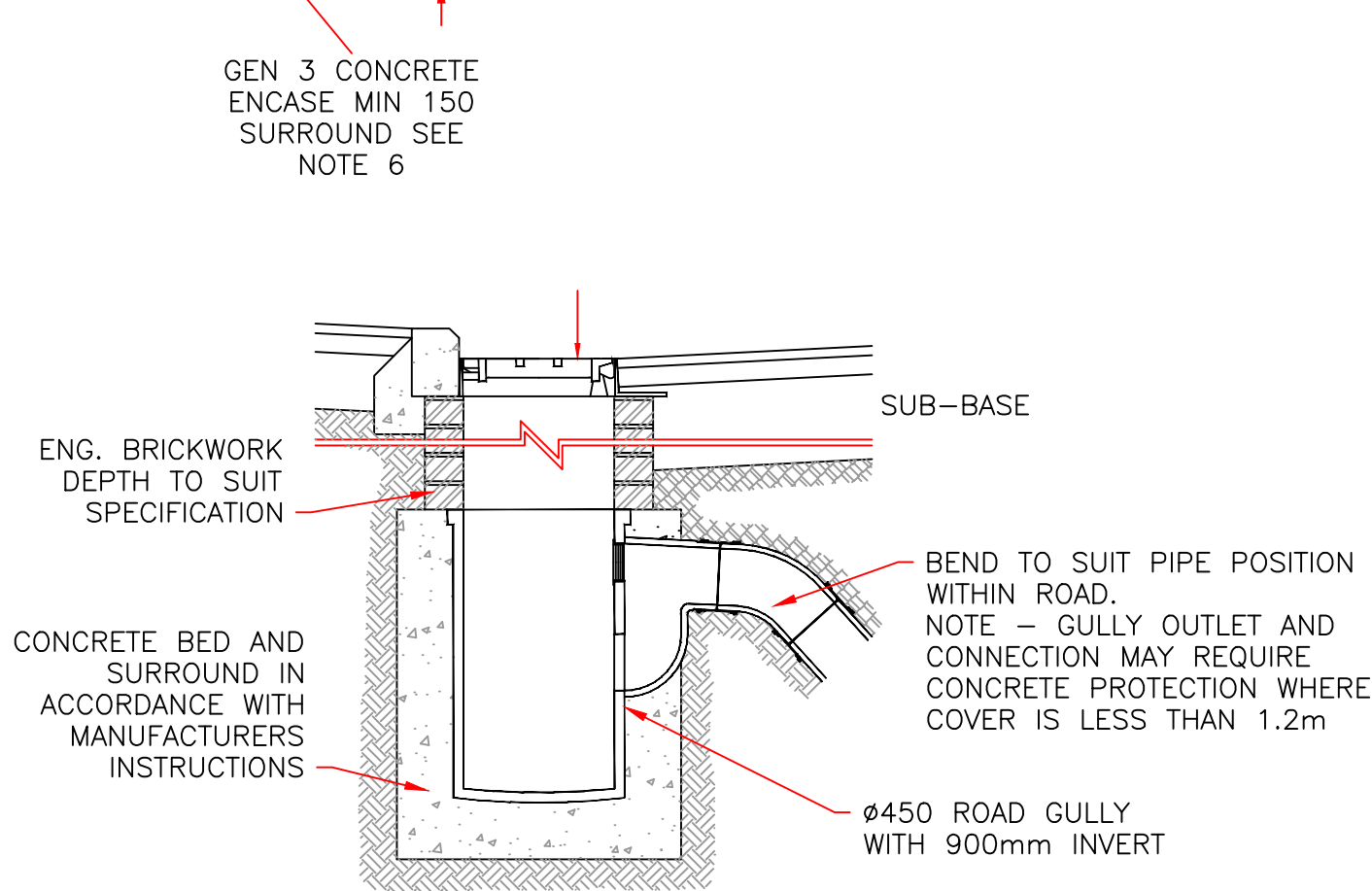
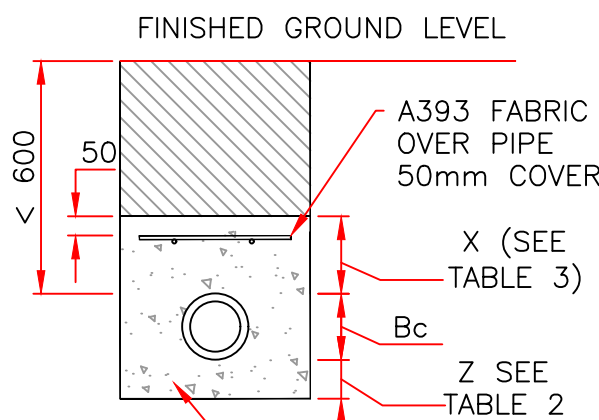
FLEXIBLE AND SEMI RIGID PIPE EMBEDMENTS

TABLE 1 MINIMUM EFFECTIVE EMBEDMENT DIMENSIONS FOR FLEXIBLE AND SEMI RIGID PIPES			
NOMINAL INT PIPE DIA	DIMENSION Y1 (EVEN TRENCH BOTTOM)	DIMENSION Y2 (ROCK OR UNEVEN TRENCH BOTTOM*)	MINIMUM EFFECTIVE TRENCH WIDTH Bd (SEE NOTE 5)
<400	100	200	Bc +300
400-700	150	250	Bc +450
725-900	200	300	Bc +600
925-1200	250	350	Bc +800

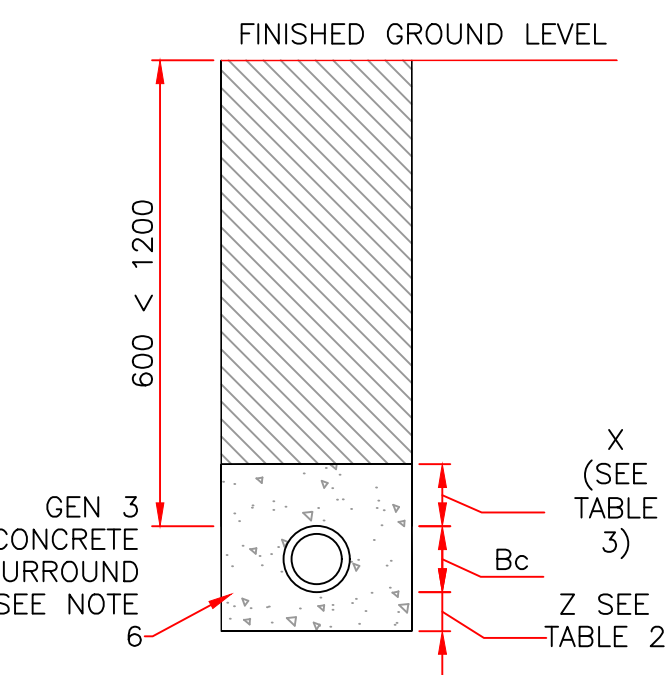
*NOTE
THE MINIMUM DEPTH OF PROCESSED GRANULAR MATERIAL UNDER PIPE
SOCKETS SHALL BE 50mm FOR EVEN TRENCH BOTTOM AND 150mm FOR
UNEVEN TRENCH BOTTOM

NOTE

1. DRAINAGE TO BE 150 CONCRETE ENCASED WHERE
COVER IS LESS THAN 1200mm.
2. THE PIPE EMBEDMENTS INDICATE MIN TRENCH
DIMENSIONS WHICH SHOULD BE ASSUMED FOR INITIAL
DESIGN, THE MIN TRENCH WIDTHS SHOWN WILL USUALLY
BE SUFFICIENT TO ALLOW ADEQUATE COMPACTION OF
THE EMBEDMENT MATERIAL. ALL PIPE WORK TO BE
DESIGNED TO BS EN 1295-1
3. GEN3 CONCRETE SHALL BE USED IN NON AGGRESSIVE
GROUND ELSEWHERE THE CEMENT SUIT & MIX DESIGN
SHOULD BE SELECTED TO SUIT SULPHATE
CONTENT & PH OF THE GROUND & GROUND WATER
GROUND COVER TO ALL PLANT TO BE STRICTLY IN
ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS
- 4.



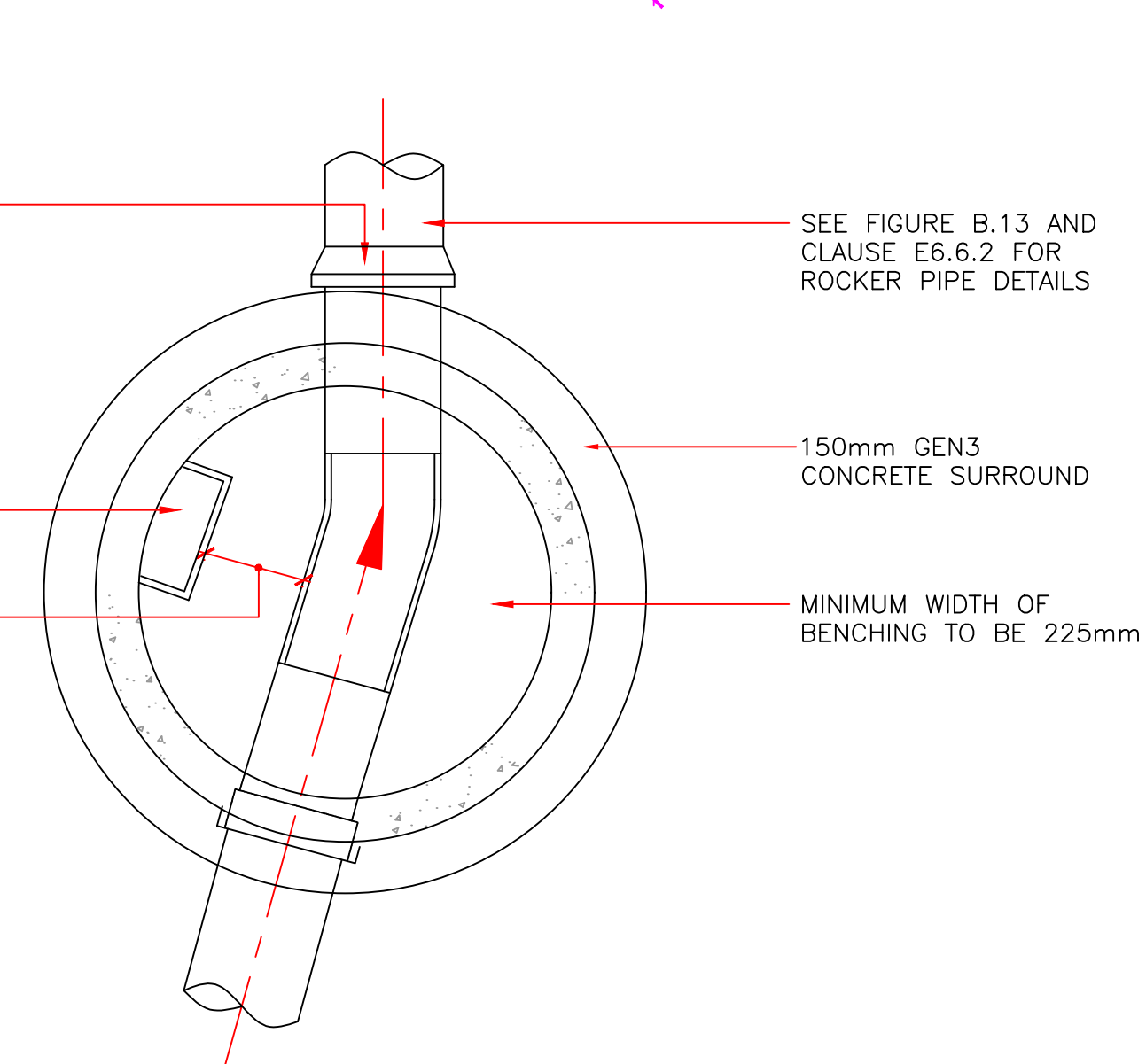
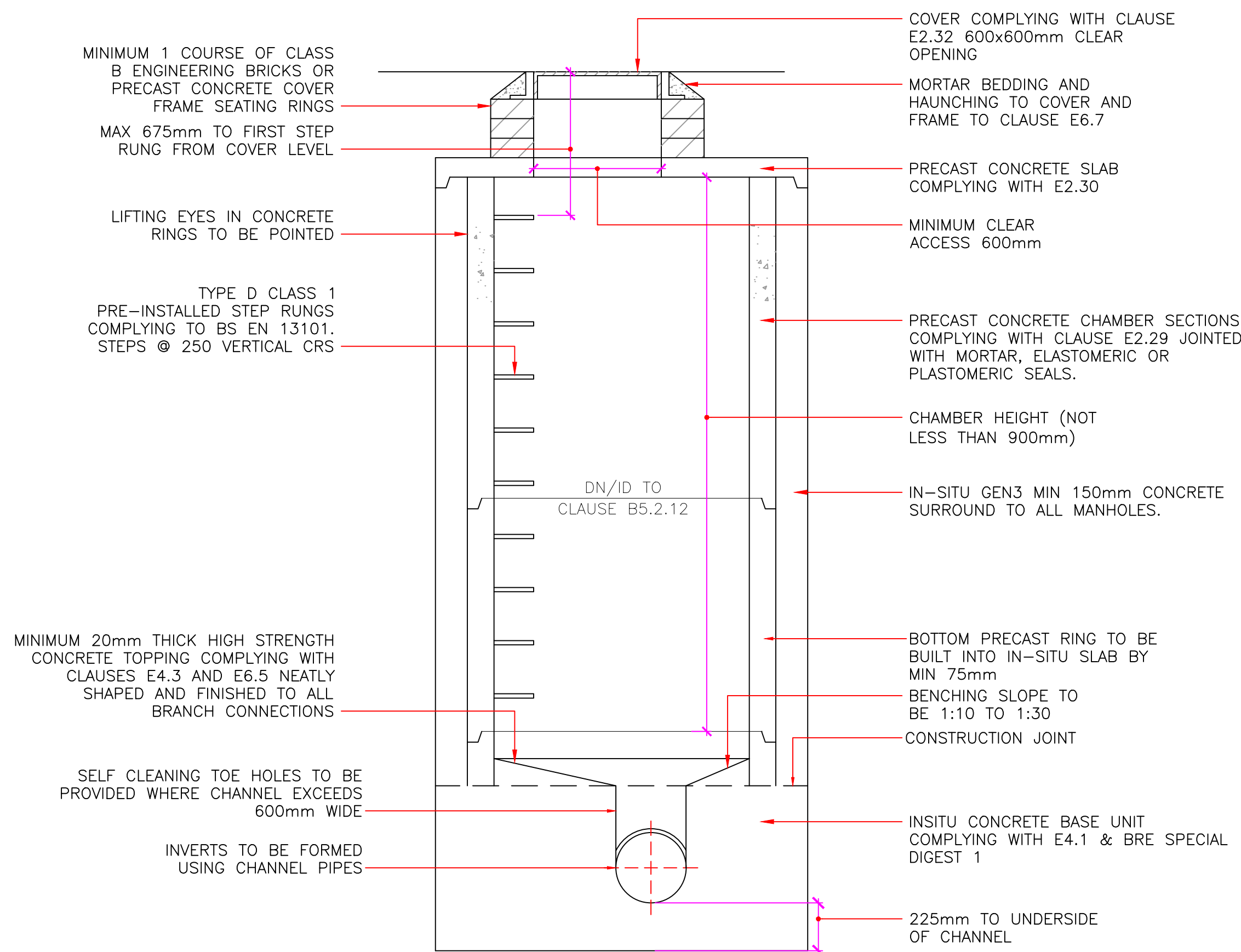
TYPICAL GULLY DETAIL 1:20



SECTION UNDER ROADWAY/HARDSTANDING
COVER 600 TO 1200mm

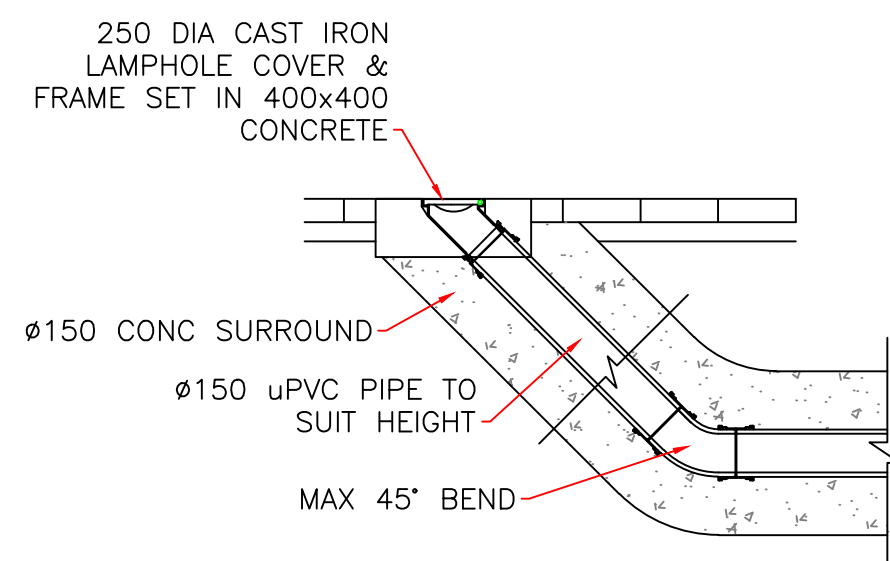
TABLE 2 - EMBEDMENT DIMENSIONS FOR RIGID PIPES					
NOMINAL INT PIPE DIA	DIMENSION Y1 EVEN TRENCH BOTTOM (MIN)	DIMENSION Y2 ROCK OR UNEVEN TRENCH BOTTOM (MIN)	PROCESSED GRANULAR MATERIAL	DIMENSION Z (MIN)	MAX PERMITTED TRENCH WIDTH
150	100	200	10mm single sized or 14mm to 5mm graded	100	750
225	100	200		100	825
300	100	200		100	925
375	100	200	14mm single sized or 14mm to 5mm graded	100	1050
450	150	200		150	1150
525	150	250		150	1200
600	150	250	20mm single sized or 20mm to 5mm graded	150	1350
675	150	250		150	1450
750	225	300		225	1500

TABLE 3 - THICKNESS OF COMPRESSIBLE FILL (L)		
nominal internal pipe dia	DIM "X"mm	compressible filler Lmm
< 400	160mm	18mm
400 - 700	200mm	36mm
725 - 1200	300mm	36mm
> 1200	300mm	54mm

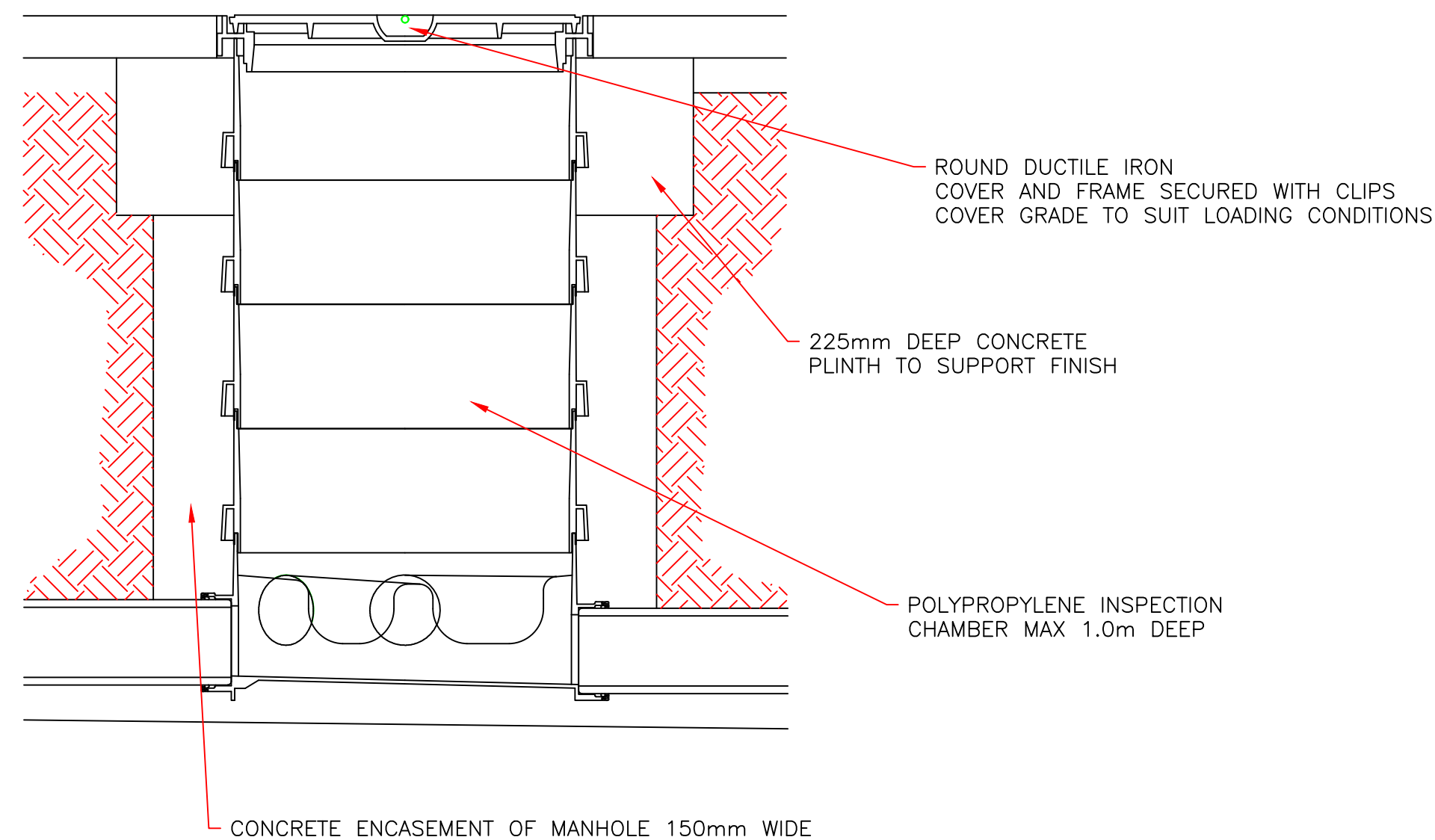


TYPICAL MANHOLE DETAIL - TYPE B

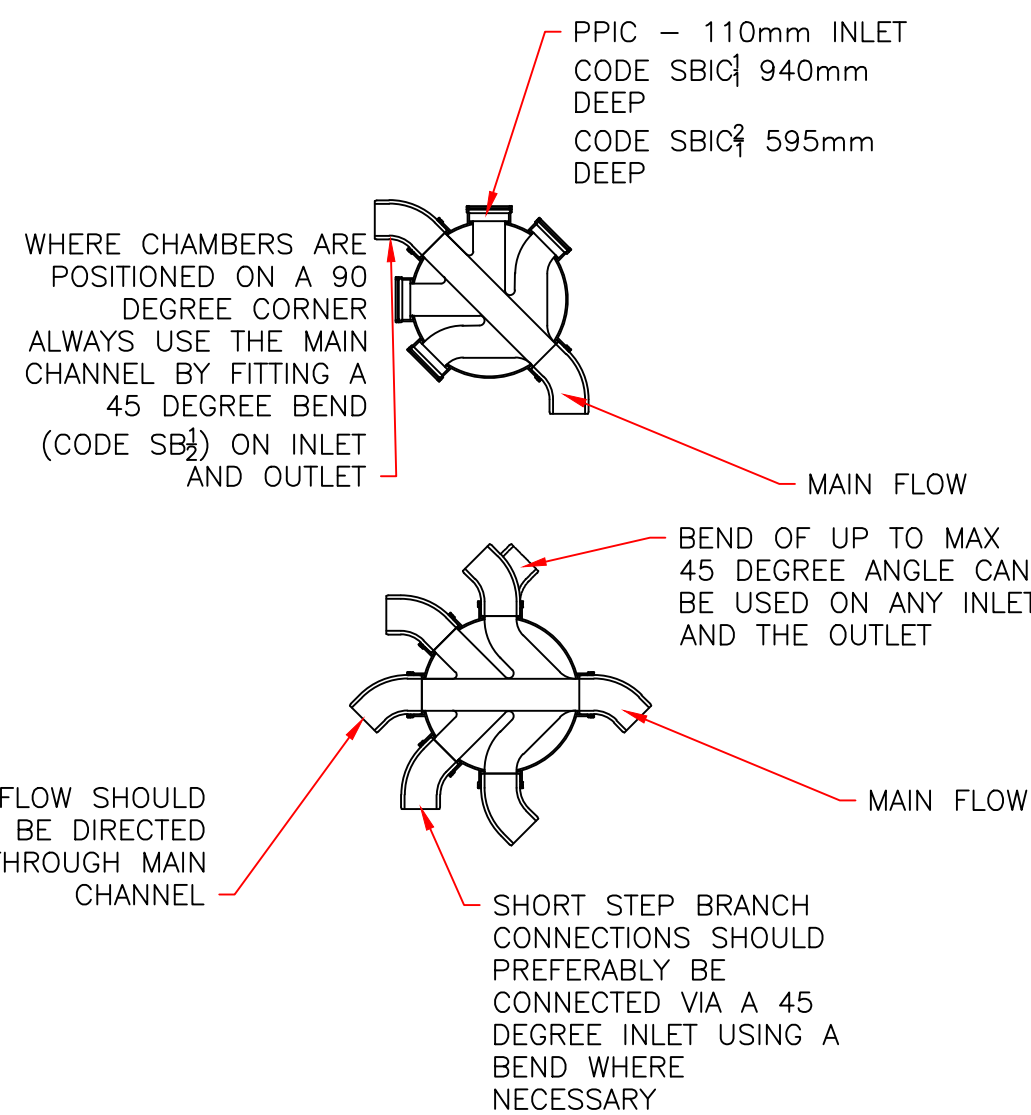
DEPTH TO PIPE SOFFIT 1.5m TO 3.0m
TYPICAL DETAIL SHOWN IS FOR TYPE B - RIGID CONSTRUCTION MANHOLE.
OTHER CONSTRUCTION METHODS ARE AVAILABLE AS PER THE DETAILS IN
THE SEWERAGE SECTOR GUIDANCE



TYPICAL RODDING EYE DETAIL
1:20



TYPE D PPIC MANHOLE WITH STANDARD ROUND COVER (NTS)



GENERAL PLASTIC INSPECTION CHAMBER (NTS)

PLANNING

WATERWAY DRAINAGE
ENGINEERING

CLIENT
PRIMA HOMES GROUP

TITLE
COACH ROAD, WHITEHAVEN
DRAINAGE DETAILS 1 OF 2

DRAWN PA DATE OCT 25 SCALE 1:20 @A1

DRAWING NO 2025-099-004