

EMBEDMENT CLASS S1 TO S5

SECTION UNDER ROADWAY/HARDSTANDING COVER GREATER THAN 1200mm

MINIMUM 1 COURSE OF CLASS

B ENGINEERING BRICKS OR

PRECAST CONCRETE COVER

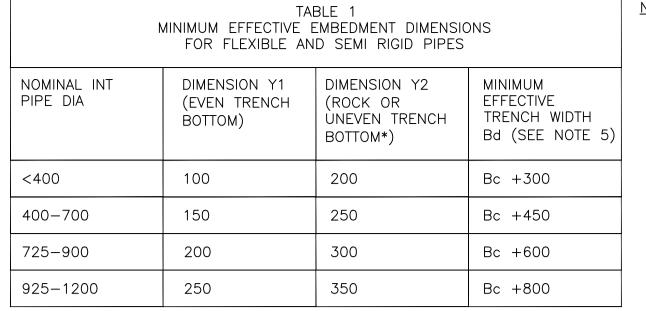
MAX 675mm TO FIRST STEP RUNG FROM COVER LEVEL

LIFTING EYES IN CONCRETE

RINGS TO BE POINTED

FRAME SEATING RINGS

FLEXIBLE AND SEMI RIGID PIPE EMBEDMENTS



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

COVER COMPLYING WITH CLAUSE

E2.32 600x600mm CLEAR

HAUNCHING TO COVER AND

MORTAR BEDDING AND

FRAME TO CLAUSE F6.7

PRECAST CONCRETE SLAB

COMPLYING WITH E2.30

MINIMUM CLEAR

ACCESS 600mm

OPENING

- 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 TYPE & MIX DESIGN SHOULD BE SELECTED TO SUIT SULPHATE CONTENT & PH OF THE GROUND & GROUND WATER
- 4. GROUND COVER TO ALL PLANT TO BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS

GEN 3 CONCRETE

ENCASE MIN 150

SURROUND SEE

NOTE 6

TYPICAL GULLY DETAIL 1:20

WHERE CHAMBERS ARE

ALWAYS USE THE MAIN CHANNEL BY FITTING A 45 DEGREE BEND (CODE SB_2^1) ON INLET

HEAVIEST FLOW SHOULD

ALWAYS BE DIRECTED

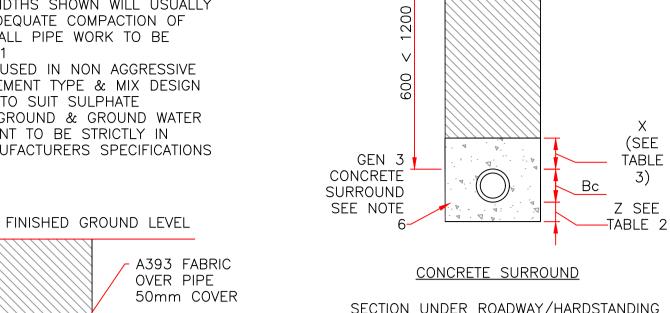
THROUGH MAIN CHANNEL

POSITIONED ON A 90 TA

DEGREE CORNER

AND OUTLET -

GENERAL PLASTIC INSPECTION CHAMBER (NTS)



SECTION UNDER ROADWAY/HARDSTANDING COVER 600 TO 1200mm

FINISHED GROUND LEVEL

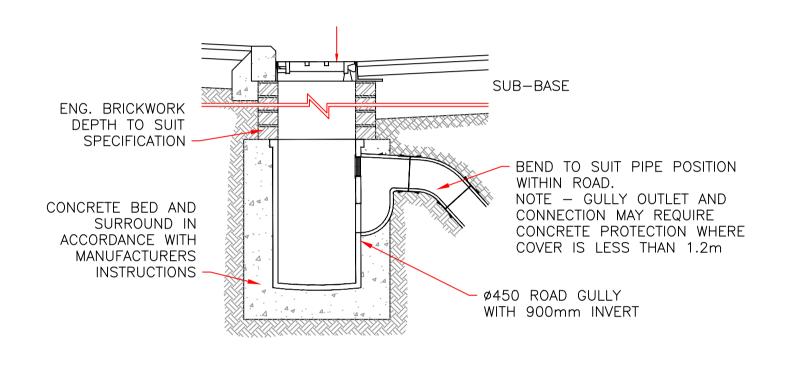
(SEE

TABLE

3)

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	100	1050	
450	150	200		150	1150	
525	150	250	to 5mm graded	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			



PPIC - 110mm INLET CODE SBIC 940mm

CODE SBIC² 595mm

- MAIN FLOW

BEND OF UP TO MAX

AND THE OUTLET

45 DEGREE ANGLE CAN

BE USED ON ANY INLET

- MAIN FLOW

DEEP

DEEP

SHORT STEP BRANCH CONNECTIONS SHOULD

CONNECTED VIA A 45 DEGREE INLET USING A

PREFERABLY BE

BEND WHERE NECESSARY

X (SEE

—TABLE 3)

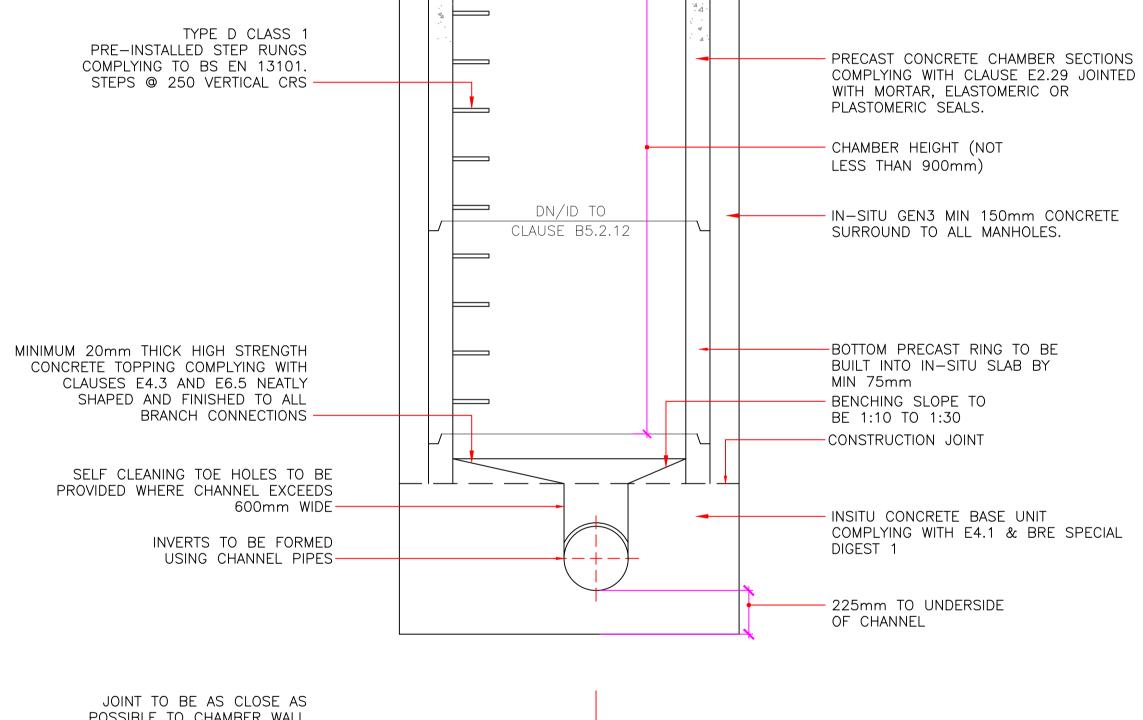
Z SEE -TABLE 2

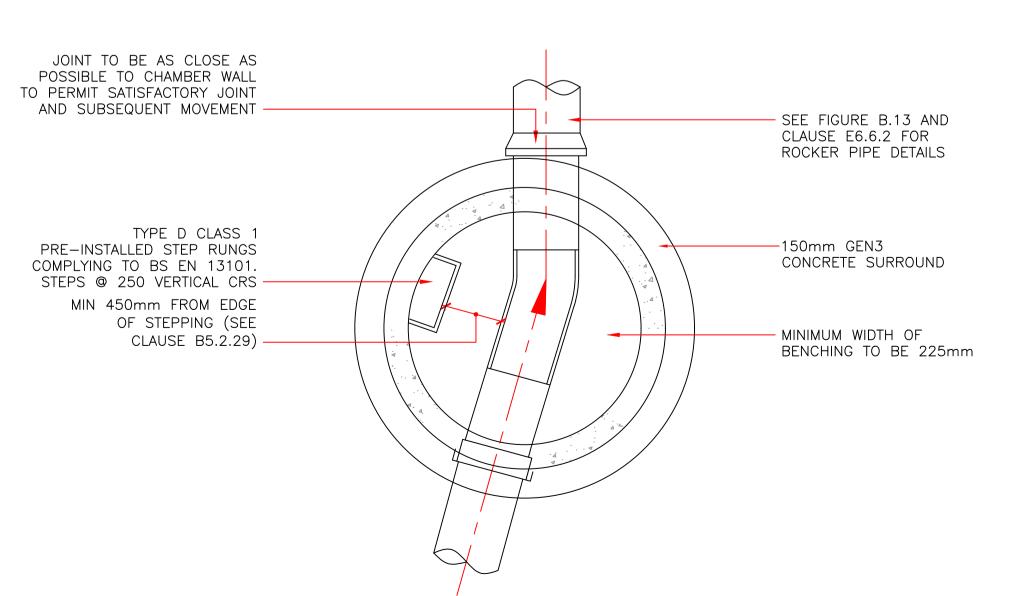
> FRAME SET IN 400×400 CONCRETEø150 CONC SURROUND-Ø150 uPVC PIPE TO SUIT HEIGHT MAX 45° BEND-

250 DIA CAST IRON

LAMPHOLE COVER &

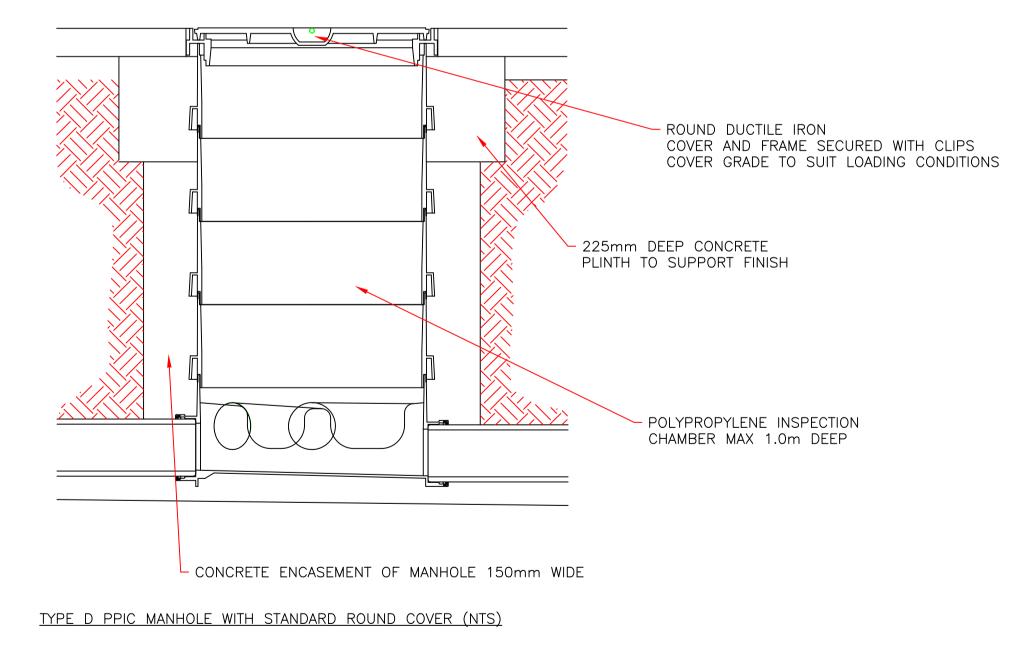
TYPICAL RODDING EYE DETAIL





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





CLIENT PRIMA HOMES GROUP

TITLE COACH ROAD, WHITEHAVEN DRAINAGE DETAILS | OF 2

DRAWING NO. 2025-099-004

DRAWN PA DATE OCT 25 SCALE 1:20 @AI