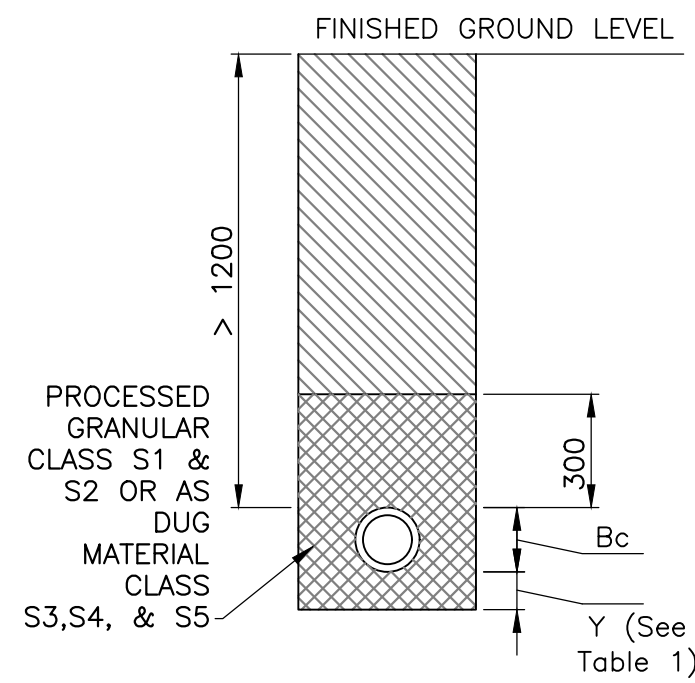
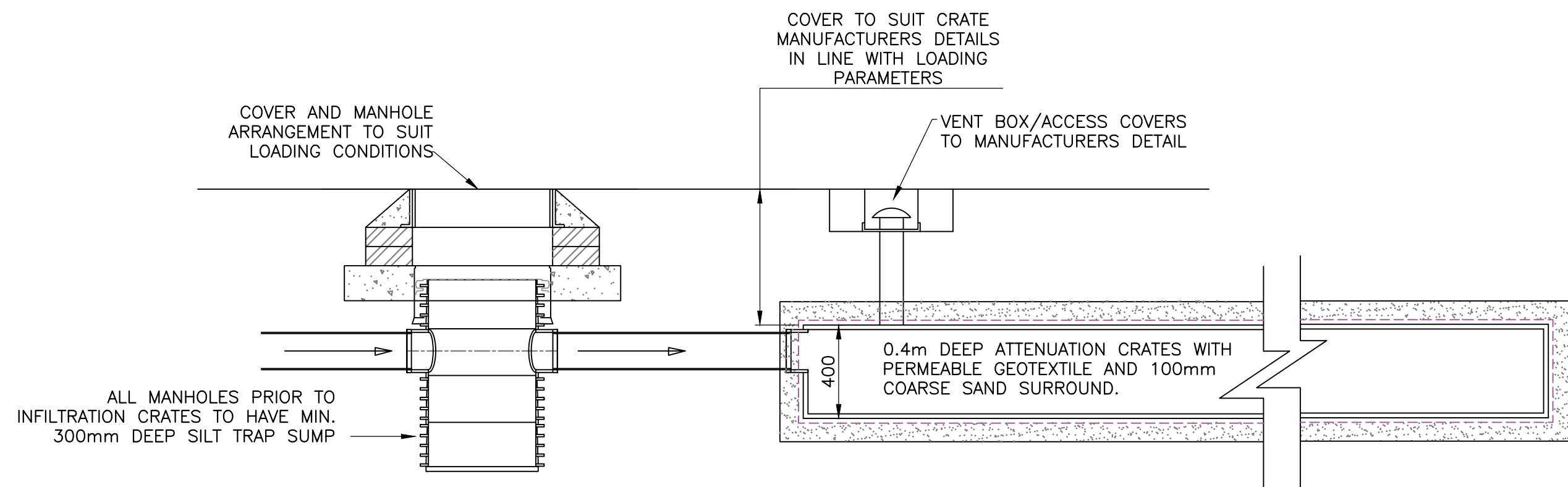
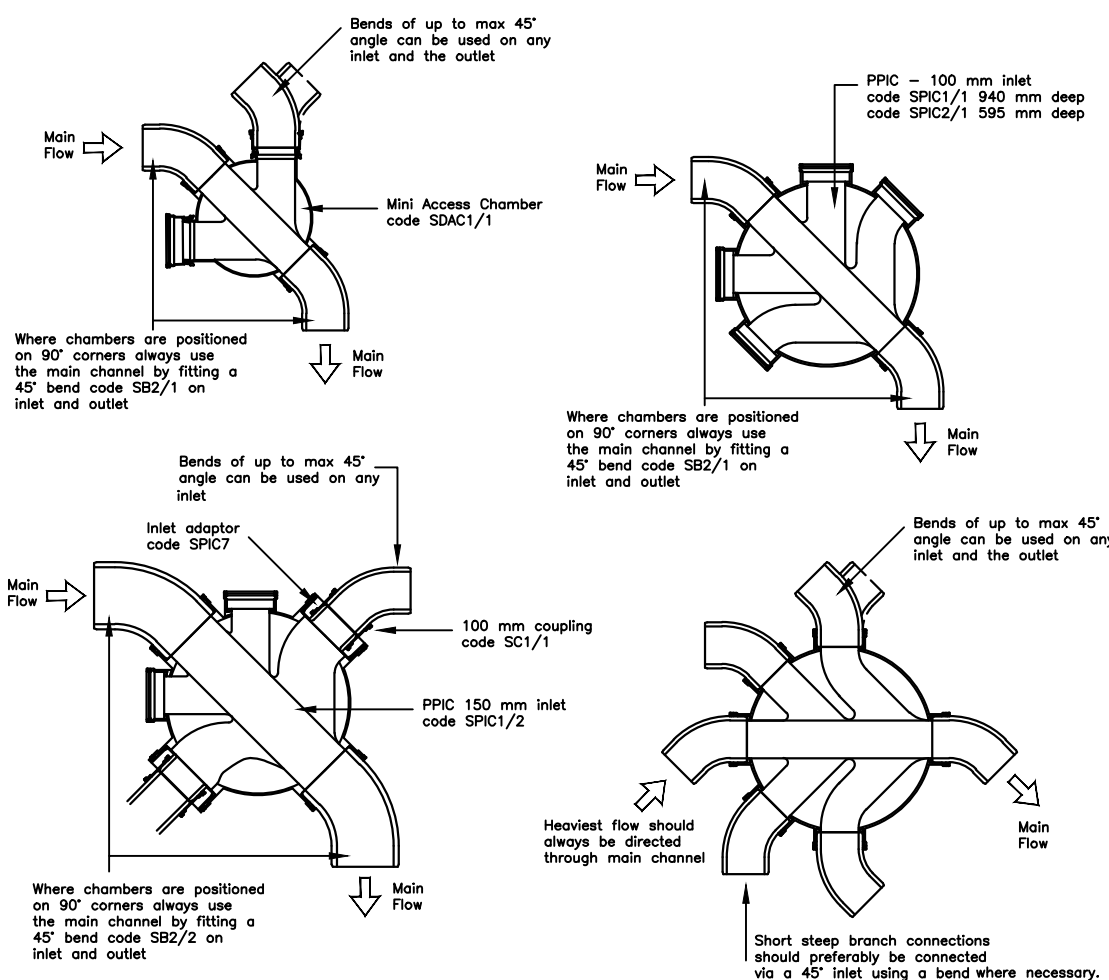
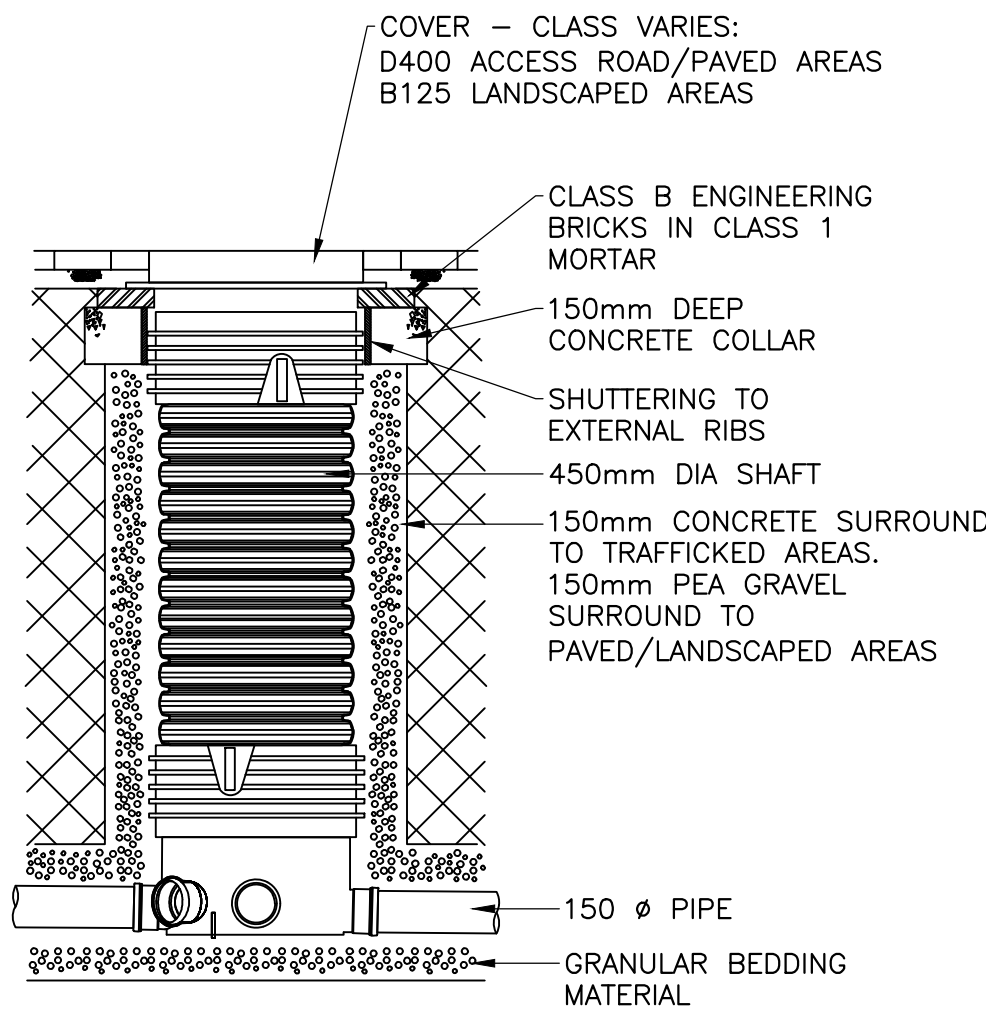
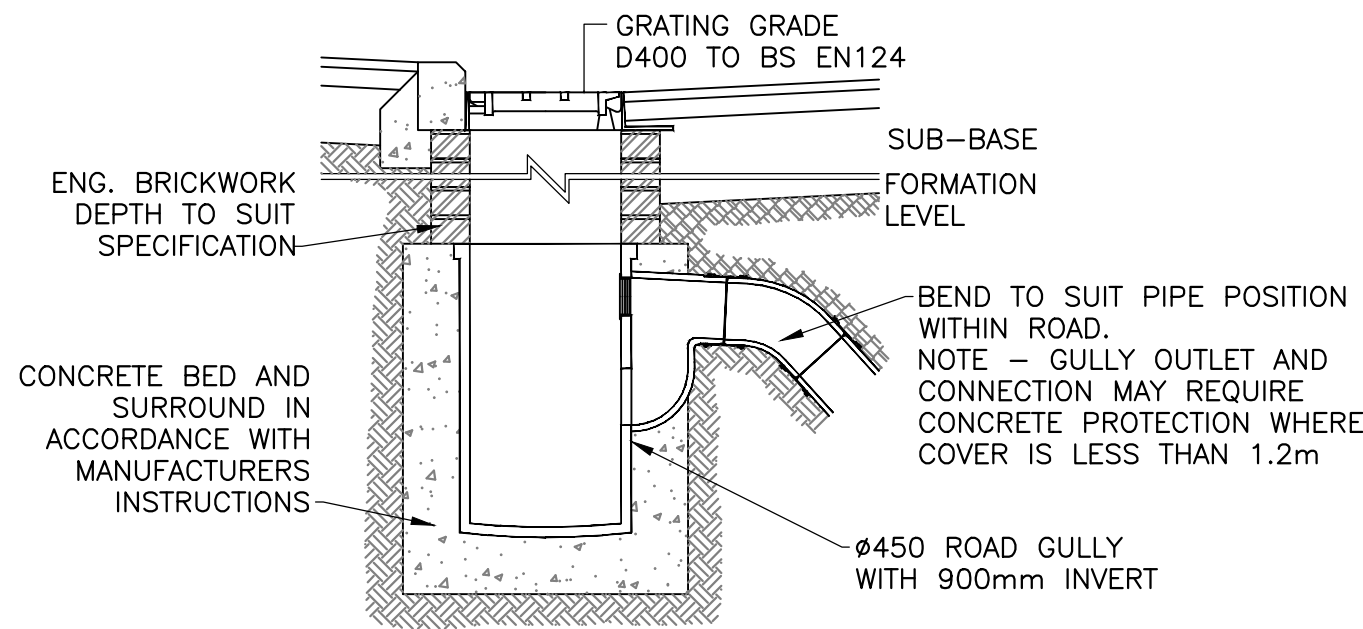
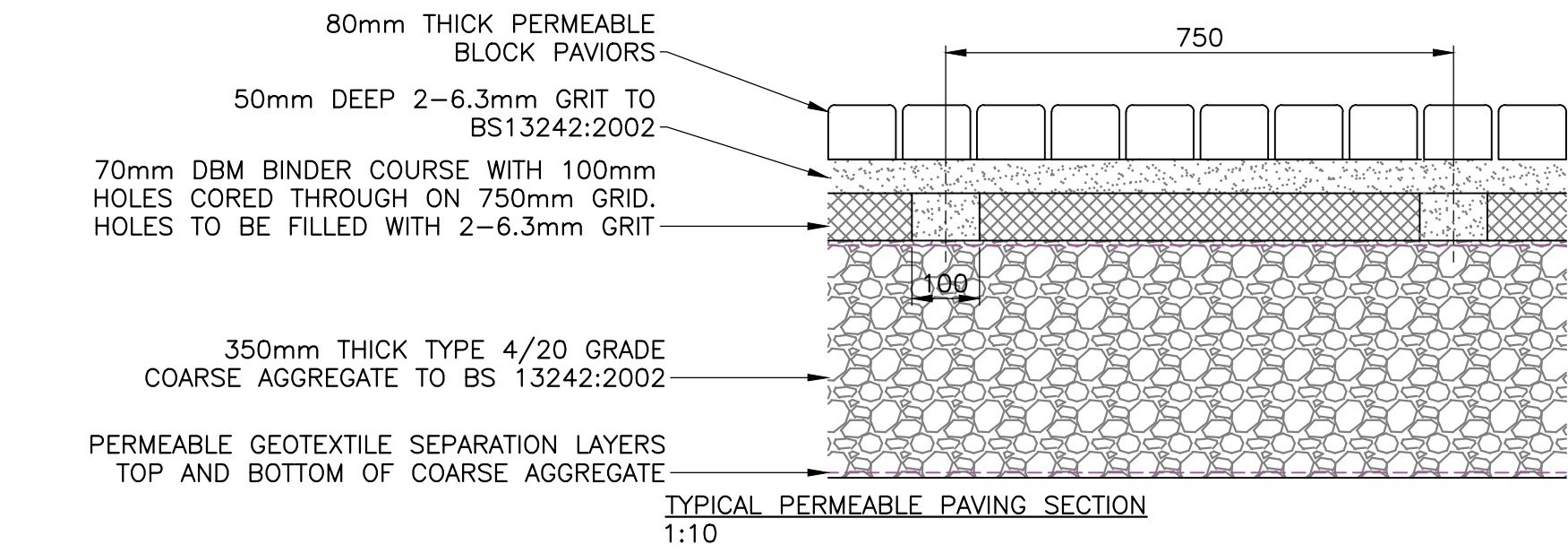
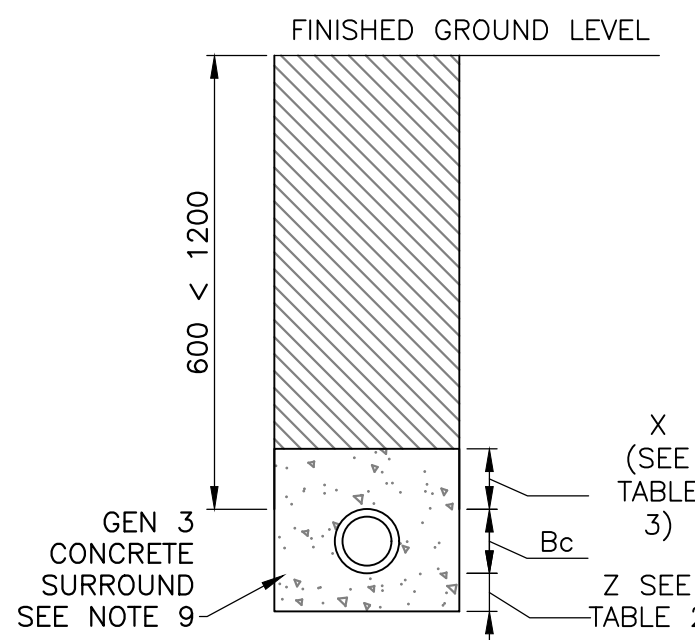




SECTION UNDER ROADWAY/HARDSTANDING
COVER GREATER THAN 1200mm
FLEXIBLE AND SEMI RIGID PIPE EMBEDMENTS



SECTION UNDER ROADWAY/HARDSTANDING
COVER 600 TO 1200mm

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

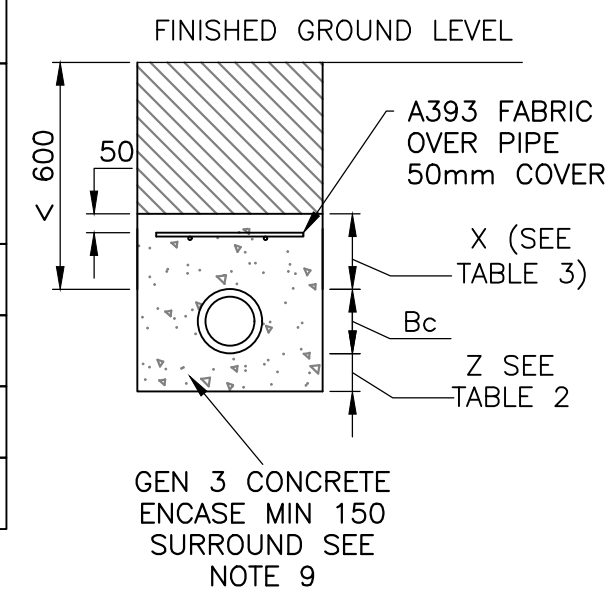


TABLE 2 - EMBEDMENT DIMENSIONS FOR RIGID PIPES					
NOMINAL INT PIPE DIA	DIMENSION Y1 EVEN TRENCH BOTTOM (MIN)	DIMENSION Y2 ROCK OR UNEVEN TRENCH BOTTOM (MIN)	PROCESSED GRANULAR MATERIAL	DIMENSION Z (MIN)	MAX PERMITTED TRENCH WIDTH
150	100	200	10mm single sized or 14mm to 5mm graded	100	750
225	100	200		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

A	24/03/23	SM	DETAILS UPDATED
REV	DATE	AUTHOR	NOTES
DRAWING STATUS		PRELIMINARY	
AD A L DAINES & PARTNERS CONSULTING CIVIL & STRUCTURAL ENGINEERS 28 Castle Street, Carlisle, Cumbria CA3 8TP TEL 01228 527428 EMAIL mail@aldaines.co.uk WEB www.alldaines.co.uk		CLIENT MR G MORGAN	
		TITLE PLOT 4&5 NETHERTOWN ROAD, ST BEES DRAINAGE DETAILS	
		DRAWN PA	DATE NOV 22 SCALE 1:20 @A1
		DRAWING NO.	22-C-16767-02
			A