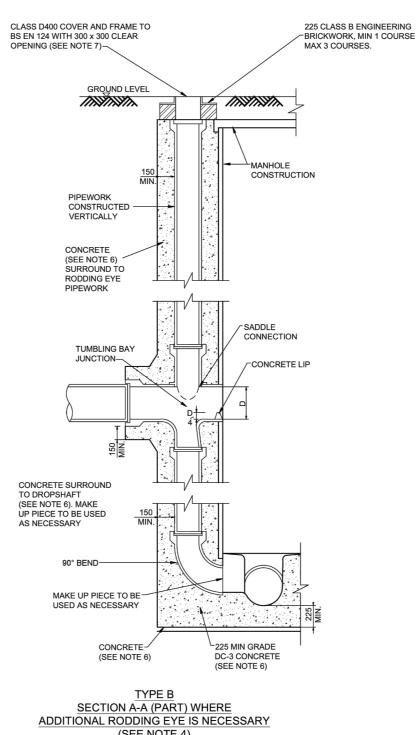
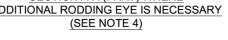
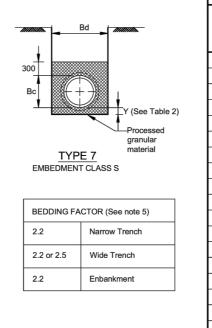


NOMINAL INT DIMENSION Y1





DIMENSION MAX PERMITTER



PIPE DIA	EVEN TRENCH BOTTOM (MIN)	ROCK OR UNEVEN TRENCH BOTTOM (MIN)	GRANULAR MATERIAL	Z (MIN)	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	]-	150	1350
675	150	250		225	1450
750	225	300		225	1500
825	225	300		225	1600
900	225	300		225	1900
975	225	300	20mm single sized or 20mm to 5mm graded	300	2000
1050	225	300		300	2100
1125	225	300		300	2200
1200	250	350		300	2300
1350	375	450		375	2500
1500	375	450		375	2700
1650	375	450	٦J	450	2800
1800	375	500		450	3100
1950	400	500	40mm single sized or 40mm to 5mm graded	525	3200
2100	425	650		525	3400
2400	450	675		600	3700

TABLE 2

Embedment Dimensions for Rigid Pipes

PROCESSED

DIMENSION Y2

GEI	NERAL NOTES
1.	All dimensions in millimetres

- The pipe embedments indicate the minimum trench dimensions which should be assumed for initial design purposes; the minimum trench widths shown will usually be sufficient to allow adequate compaction of the embedment naterial All pipework should be designed in accordance with BS EN
- <u>1295-1</u> 3. For narrow trenching techniques the minimum trench width may be reduced, providing that the design indicates that the reduced embedment width is sufficient to support the
- pipework 4. Where selected excavated material may migrate into the native soil or vice versa, geotextile membrane shall be
- provided around the embedment material . Bedding factors are derived from "A guide to design loadings for buried rigid pipes" and IGN 4-11-02 "Revised bedding factor for Vitrified Clay drains and sewers" 6. Embedment dimensions shall be in accordance with Table 2
- PROCESSED GRANULAR MATERIAL: Processed granular material shall comply with WIS 4-08-02.
- The grading of processed granular material shall be as 8. Limestone material shall not be used where the native ground or ground water is acidic, ie pH of 6 or less
- CONCRETE EMBEDMENTS & SURROUND: 9. Gen 3 concrete shall be used in non aggressive ground. Elsewhere the cement type and mix design should be selected to suit the sulphate content and pH of the ground an groundwater
- 10. Concrete surround details shall be adopted where cover to pipework is less than 1.2M and where it is necessary to protect the pipework from traffic loading 11. Pipes to be bedded/surrounded with concrete shall be
- supported on precast concrete setting blocks, the top face of of each block being covered with two layers of compressible packing
- 12. PVC and PE pipes shall be wrapped with a layer of plastic sheeting complying with UU CESWI 6 class 2.95 13. GRP pipes shall be wrapped with compressible filler material
- 100mm wide at the end of the end of the concrete surround 14. Compressible filler shall comply with UU CESWI 6 class 2.19

Concrete Sorround

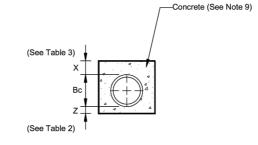


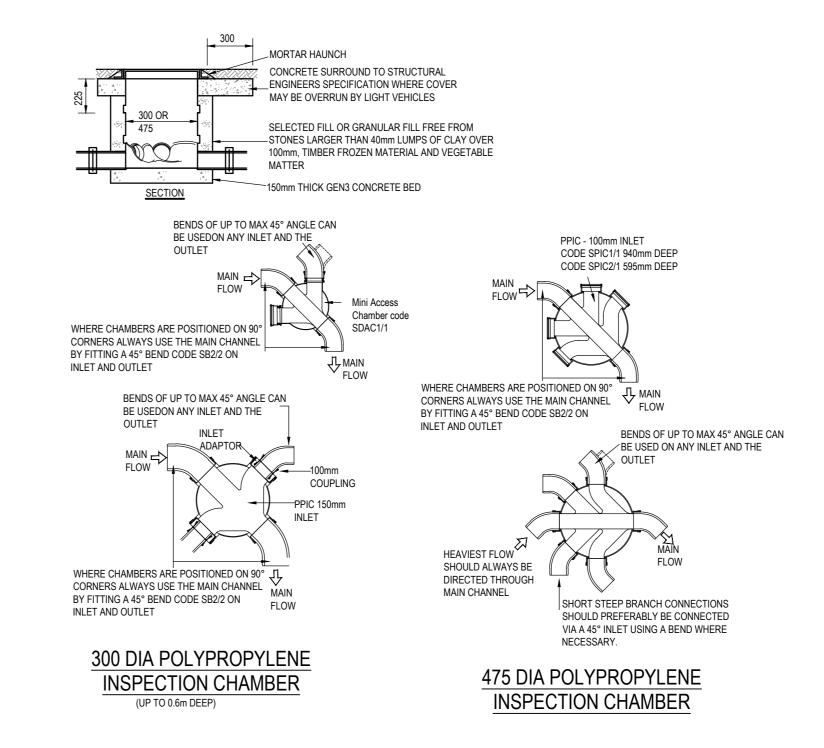
TABLE 3 Thickness of Compressible Fill (L)						
Nominal Internal Pipe Dia	Dim. X mm	Compressible Filler L mm				
<400	160	18				
400-700	200	36				
725-1200	300	36				
>1200	300	54				

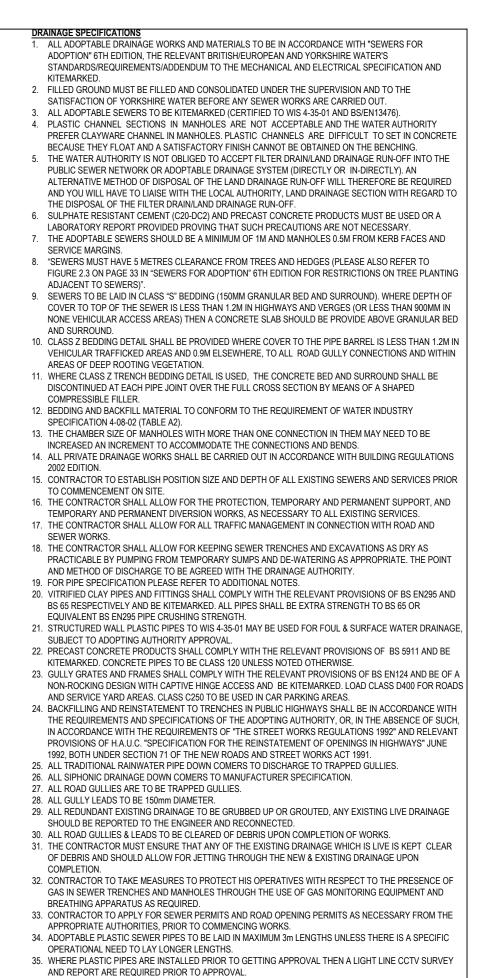
FLEXIBLE JOINT DETAIL FOR CONCRETE BED AND CONCRETE SURROUND SPIGOT AND SOCKET PIPES

✓ 45° JUNCTION ON MAIN → DRAIN RUN

Compressible -

CONCRETE SURROUND (CLASS Z)





## SUBJECT TO LOCAL AUTHORITY AND WATER AUTHORITY APPROVAL

