

NOTES:

GENERAL NOTES

1. These notes are to be read in conjunction with Drg Nos SD/5/6-10.
2. Class of bedding shown on Drg No SD/5/4.
3. The tables have been prepared from 'Simplified Tables of External Loads on Buried Pipelines,' (1970) published by 'Building Research Establishment.'
The following values were used:-
 - (a) Trench width 0.6m + pipe o/d.
 - (b) Concrete pipe o/d taken as the smallest available in the UK.
 - (c) Depth range beneath main roads extended to 0.6m – 6.0m for 150 – 300mm pipes using 'Special Report No 37' published by 'Building Research Establishment.'
4. For flexible pipes values of minimum depths are based on current experience and are general guide lines only.
5. Corrugated galvanised steel pipes have not been included in these tables. If the Contractor wishes to use them he should refer to the manufacturers recommendations for design and laying and obtain the approval of the Engineer.
6. The Contractor should submit manufacturer's strength calculations for approval by the Engineer before using UPVC pipes.
7. Pipe diameters for UPVC pipes are outside diameters of pipe.
8. Group D2 – Drains and Sewers under Roads and Verges.
9. Group D3 – Drains and Sewers under Fields and Gardens.
10. Group D4 – Shallow Sewers, Drains or Ducts.
11. Group D5 – Land Drains.
12. The following values were used:-
 - (a) Normal – suitable for all drains and sewers, other than where extra chemical resistance is required.
 - (b) Surface Water – suitable only for the conveyance of surface water.
 - (c) Perforated – suitable for filter drains and land drains.
 - (d) Extra Chemical Resistance – suitable for drains and sewers where extra chemical resistance is required.
13. Pipes laid below the minimum cover should have concrete bed and surround (Type Z).



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 DEPARTMENT OF HIGHWAYS TRANSPORTATION AND WASTE MANAGEMENT	TITLE:	STANDARD DRAWING	DRAINAGE	DRAWING NUMBER	DATE			
				SD/5/5	SEPTEMBER 2002			
				AUTOCAD REF	SCALE			
			TABLES OF STRENGTHS AND DEPTHS	NOTES	K:\GENERAL\ID9997\STDDRG\SD55	NOT TO SCALE	Rev	Date