NOTES:

GENERAL NOTES

1. These notes are to be read in conjunction with Drg Nos ***SD/500/6 - 10***.
2. Type of bedding shown on Drg No ***SD/500/4***.
3. The tables have been prepared from 'Simplified Tables of External Loads on Buried Pipelines,' (1986) published by 'Transport and Road Research Laboratory' DOT. 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.
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 Project Engineer.
6. The Contractor should submit manufacturer's strength calculations for approval by the Project Engineer before using PVC-U pipes.
7. Pipe diameters for PVC-U 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. 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.
11. Pipes laid less than the minimum cover allowed should have concrete bed and surround (Type Z).
12. Flexible pipes shall not be used at depths less than the minimum given in the tables.
13. For Land Draws pipes made from the following materials and complying with clause 501 for filter drains will be permitted:-

Clay	to BS 65 or BS 1196
Porous concrete	to BS 5911-1 and BS EN 1916
Concrete	to BS 5911-1 and BS EN 1916
PVC-U	to BS EN 1401-1 or BS 4962

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ENVIRONMENT AND TRANSPORT DEPARTMENT

TITLE:

TABLES OF STRENGTHS AND DEPTHS

DRAINAGE NOTES

DRAWING NUMBER	DATE
SD/500/05	APRIL 2024
AUTOCAD REF	SCALE
K:\GENERAL\D9997STDDRG\STD DRGS 2015	NOT TO SCALE

Rev	Date	Notes on Revision
0	01.04.2024	Supersedes Dwg. SD/5/5 - September 2002