



TRENCH IN SAND STRATA

Note:

1. All dimensions in millimetres.
2. This drawing to be read in conjunction with D23
3. Pipe classification:
 - (a) Rigid pipes: VC, RC, Steel, and DI
 - (b) Flexible pipes: PVC, GRP and PE.
4. Placement of embedment, trenchfill, & compaction to meet the requirements of drawings and specifications.
5. Excavate or compact trench floor to provide a flat firm base to support bedding material and minimise pipeline settlement. When excavated, replace with granular material as specified for bedding or adopt type 1, 2, 3 or 4 support as required.
6. Ensure bedding is deep enough that pipe joint projections (Sockets, Flanges) do not touch trench floor - See Fig. D23
7. Type 4 support to be used where migratory native soils (Sands and clays) are encountered adjacent to the embedment zone and single size aggregate is used.
8. Geotextile overlay is required for coarse aggregate embedment ≥ 5 mm.
Lay Geotextile Filter Fabric against trench floor and walls such that it fully encases the embedment.
 - Press filter fabric into the voids before installing embedment to prevent fabric tearing.
 - Provide a minimum of 300 overlap at all filter fabric joints.
9. In some areas local practice may allow use of selected excavated material as pipe embedment.
10. In unsuitable ground conditions specific design is required. See WSA 03 and WSA 04 drawings for guidance.
11. Concrete pipes should be based on Figures 11 - 13 in AS/NZS 3725.

Not to scale