

TYPES OF PIPE TO WHICH CHARTS ARE APPLICABLE

The charts are applicable to the following types of pipe:

- Vitrified Clay pipes to BS 65: 1988 to Classes S Standard Strength; ES Extra Strength and SS Super Strength.
- Precast Concrete pipes Classes L, M and H to the following Standards:
BS 5911: Part 1: 2002; AMD 4035
- Asbestos Cement pipes Series L, M and H to BS EN 588-1.
- Unplasticised PVC pipes with an SDR of 41 (or less for the smallest sizes) to the following standards:
BS 4660: (size 110mm & 160mm diameter)
BS EN 1401-1
BS EN 1452-1, BS EN 1452-2 & BS EN 1452-3
- The types of pipe bedding that are covered are those shown in the Highway Construction Details drawing F1 and F2.

KEY

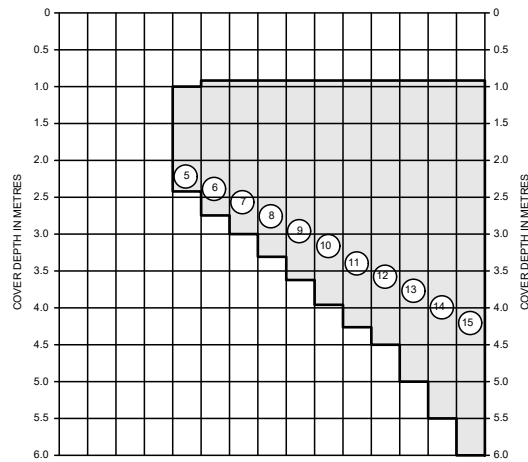
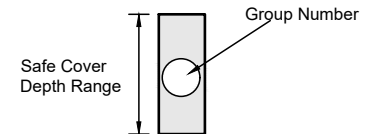


FIG A CARRIER DRAINS - MAIN ROAD LOADING

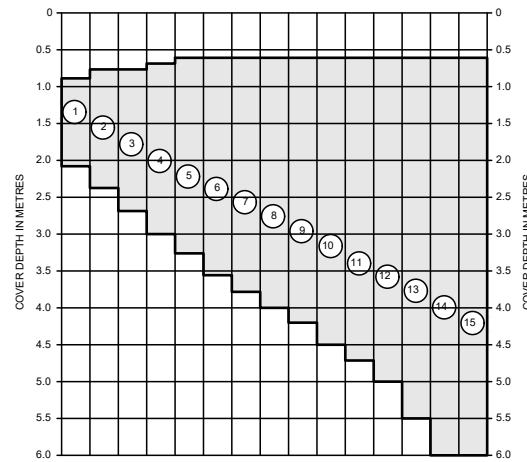


FIG B CARRIER DRAINS - FIELD LOADING

NOMINAL INTERNAL DIAMETER (mm)	VITRIFIED CLAY																PRECAST CONCRETE																ASBESTOS CEMENT																UNPLASTICISED PVC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Carrier drains - group numbers for determining allowable pipe / bed combinations

+ Bed Type T may only be used under field loading and cover depth 1.0m or greater

* Hydraulic flow capacity less than 95% of concrete pipe of same normal diameter

NOT USED

This is a typical detail and may require conversion to a full scheme specific drawing.

NOT TO SCALE
(all units in millimetres)

Disclaimer : Before making use of this detail, any designer or third party must ensure that it satisfies all requirements of the scheme to which it is being applied. Lincolnshire County Council accept no responsibility for third party use of this Standard Detail.

Rev: AMENDMENT DETAILS Date: Description: Approved by:

Lincolnshire
COUNTY COUNCIL
Working for a better future

Checked by: GP Approved by: SB

ISSUED 12/05/17

Carrier Drains - Permitted Pipe
Types & Bedding / Backfill Details

SD/5/17
Standard Detail Number

Revision Number