

GENERAL INSTALLATION GUIDELINES

450 - 1500
TRAFFICKED

INSTALLATION GUIDELINES

EARTHWORKS

This will be carried out in accordance with the rules of good practice relating to open-cut earthworks. The general dimensions of the excavation should be at least 300mm wider on each side of the inspection chamber and take into account the characteristics of the natural soil.

These dimensions should enable secure access in accordance with the regulations and the following operations:

- connection of pipes
- backfilling and compacting with appropriate equipment

In all cases, the installation drawings and locations are to be complied with.

INSTALLATION BED

An installation bed should be made with a minimum thickness of 100mm.

It will be flat and horizontal; the following provisions shall be complied with:

- in the absence of a water table: use of compacted sand at 95% OPN
- in the presence of a water table: use of a self-placing material free of fines (gravel 5/15 or equivalent)

INSTALLATION OF INSPECTION CHAMBER

- Preparation
- Installation of base
- Preparation and installation of the shaft & restrictor ring
- Cast in-situ or precast concrete slab
- Brickwork or precast concrete adjusting unit
- Cover & frame to suit location and application

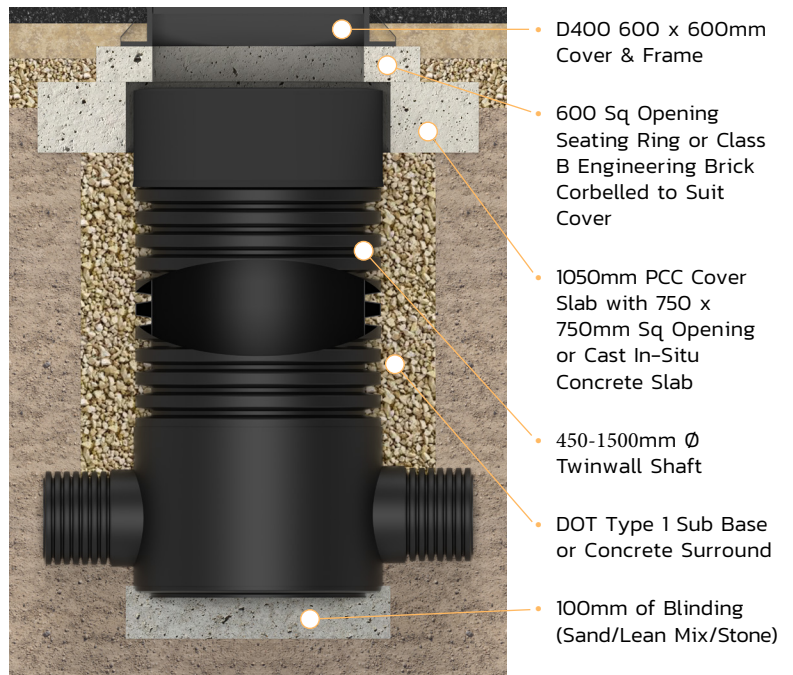
BACKFILLING

The backfilling should be carried out in accordance with the rules of good practice, in successive compacted layers of 300mm.

"As dug" or type 1 backfill can be used as appropriate to the application, ensuring it is free from; stones greater than 40mm, lumps of clay greater than 100mm, timber or other material that could prevent sound compaction.



TRAFFICKED AREA



- D400 600 x 600mm Cover & Frame
 - 600 Sq Opening Seating Ring or Class B Engineering Brick Corbelled to Suit Cover
 - 1050mm PCC Cover Slab with 750 x 750mm Sq Opening or Cast In-Situ Concrete Slab
 - 450-1500mm Ø Twinwall Shaft
 - DOT Type 1 Sub Base or Concrete Surround
 - 100mm of Blinding (Sand/Lean Mix/Stone)
- Maximum buried depth 3m in adoptable projects subject to ground conditions
 - Maximum buried depth 6m in non-adoptable projects subject to ground conditions
 - Restrictor ring required for installations greater than 1.2m according to Building Regulations or greater than 1m according to SfA7/SfA8 to restrict access

Renders compliant with adoptable applications. For non-adoptable applications selected "as dug" material can be used as backfill.