

FIGURE B.9 TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Flexible material detail)

Maximum depth from cover level to soffit of pipe
in areas subject to vehicle loading 3 m, non-entry

Plastic chambers and rings shall comply with BS EN 13598-1 and
BS EN 13598-2 or have equivalent independent approval

Mortar bedding and haunching to
cover and frame to Clause D5.4

Surface course
Binder course
Base course

Precast concrete slab
or in-situ concrete slab to
support cover and frame

Flexible seal

Temporarily cap shaft
during construction

Manhole cover to suit BS EN 124 loading
Highways - Class D400
600 mm clear opening

Access opening restricted
to 350 mm diameter or
300 mm x 300 mm if depth
of chamber to invert is > 1 m

Class B engineering
brickwork or precast
concrete cover frame
seating rings

DOT Type 1 sub base
(thickness varies)

Minimum internal dimensions
450 mm diameter or
450 mm x 450 mm

DOT Type 1 sub base
(thickness varies)
or concrete surround

Joints between base and
shaft and between shaft
components to be fitted
with watertight seals

Base unit to have all
connections with soffit
levels set no lower than
that of the main pipe

Joint to be as close
as possible to face of
chamber to permit
satisfactory joint and
subsequent movement

Granular bedding material

Invert of connecting pipe at least
50 mm above that of the main pipe

Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale

FIGURE B.10 ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING AND LANDSCAPED AREAS - TYPE 3

Plastic chambers and rings shall comply with BS EN 13598-1 and
BS EN 13598-2 or have equivalent independent approval

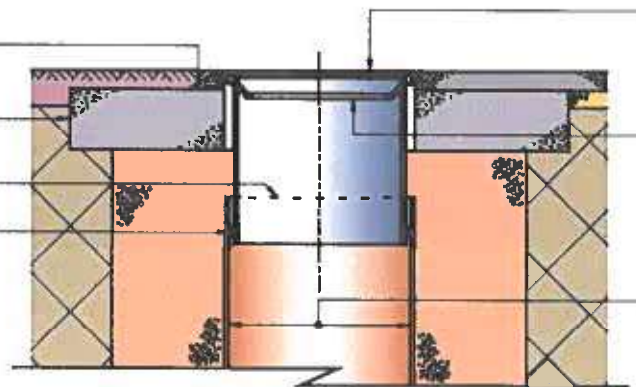
Sited in domestic driveways or footways

Mortar bedding and haunching
to cover and frame
to Clause D5.4

150 mm deep concrete collar

Temporarily cap shaft
during construction

Flexible seal



Cover complying with
BS EN 124 and BS 7903
Driveways, footways and
landscaped areas - Class B125
See Clause D2.17

Access opening restricted
to 350 mm diameter or
300 mm x 300 mm if depth
of chamber to invert is > 1 m

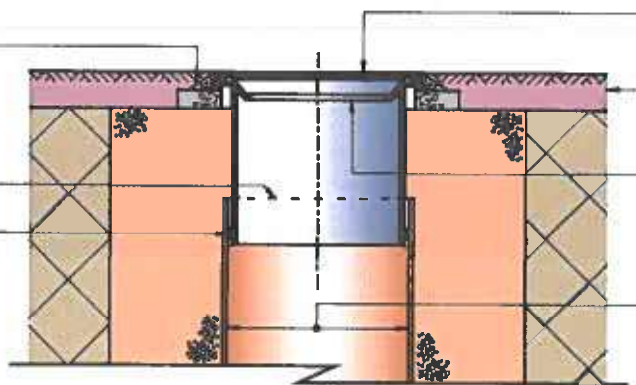
Minimum internal dimensions
450 mm diameter or
450 mm x 450 mm

Sited in domestic gardens

Mortar bedding and haunching
to cover and frame
to Clause D5.4

Temporarily cap shaft
during construction

Flexible seal



Cover complying with
BS EN 124 and BS 7903
Gardens - Class A15
See Clause D2.17

Topsoil

Access opening restricted
to 350 mm diameter or
300 mm x 300 mm if depth
of chamber to invert is > 1 m

Minimum internal dimensions
450 mm diameter or
450 mm x 450 mm

Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale