UIC SITED IN HARD LANDSCAPING

- INITIAL ISSUE

DRAWING STATUS

DRAWING TITLE

Bed & Surround

Class Z Class S

Less than More than

600 cover 600 cover

45° Junction onmain drain run

- Bend to suit depth of

main drain (max 45°)

PRELIMINARY

SHEET 1 OF 2

CINDEFORD

DRAINAGE DETAILS

STEAM MILLS ROAD.

simpson I tws

London, Henley-on Thames, Gloucester

FOR PLANNING

P23-1026

Scales 1:20 @ A1

Unit B10 Elmbridge Court Business Park

Gloucester, GL3 1JZ

E: mail@simpsoneng.com

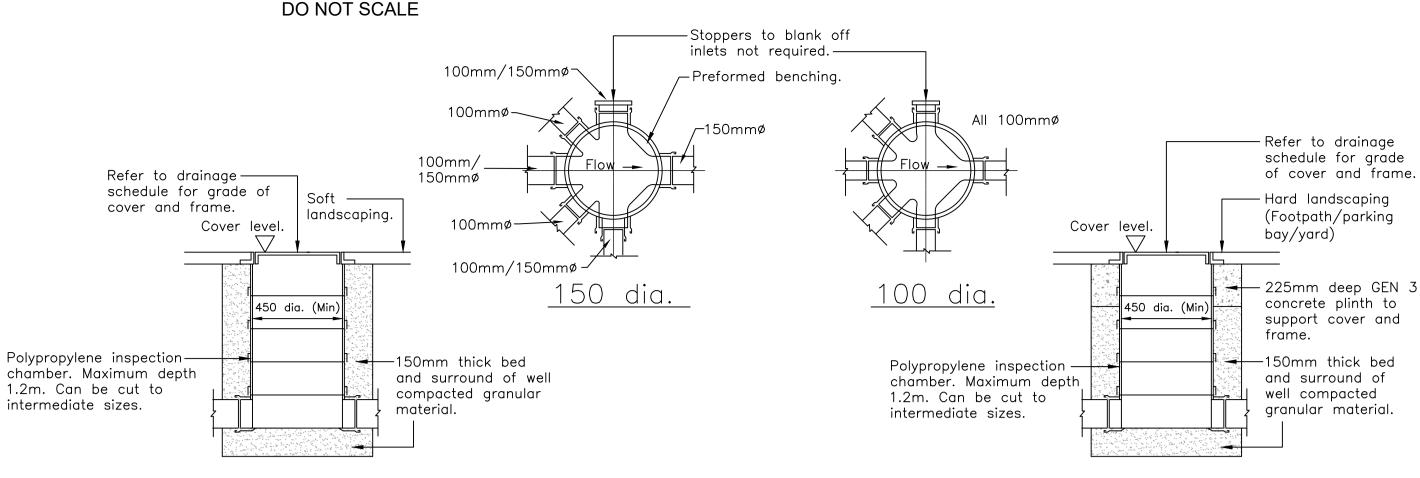
W: www.simpsoneng.com

T: 01452 309 727

Date FEB 2024

Adoptable sewers and manholes to be constructed in accordance with "Design & Construction Guidance", and to the approval of the adopting water authority.

Private drainage to be constructed in accordance with the Building Regulations "Approved Document H".



Class S Granular Surround

Cover exceeds 600mm Cover exceeds 900mm

Adopted Areas

Private Areas

Cover exceeds 1200mm

Topsoil/footway-

construction to

specified depth

Suitable selected—

material backfill

Y=0.25d or 150 min.

under barrel and collar

Adopted Areas

Private Areas

Cover exceeds 900mm

excavated

Under

Verges/

footway

Under

carriageway

construction

Carriageway

construction —

Finished road level

Type 1 sub-base

road formation

material backfill to

Granular bed and

surround to clause

503/3 of the

highway works

specification for

Class Z Concrete surround

Private Areas

Cover less than 600mm Cover less than 900mm

Manhole to be fitted with double encapsulated

step rungs. The distance from the top step to

the surface is to be a max. 675mm

600mm x 600mm opening in cover slab.

- Chamber height. Not less than 900mm.

- Precast concrete chamber sections and

cover slab to be bedded with mortar,

-Benching slope to be 1:10 to 1:30.

Distance between top of pipe and

-underside of precast section to be a minimum 50mm to a maximum 300mm.

—150mm concrete surround.

-225mm to barrel of pipe.

proprietary bitumen or resin mastic sealant.

The bottom precast manhole

ring to be built into base

concrete minimum 75mm.

Adopted Areas

Cover less than 1200mm

Finished road level-

Carriageway

construction

Type 1 sub-base

road formation

-Grade Gen 3 concrete

interrupted, over its full

cross section, at every

pipe joint with a 18thk

compressible material.

bed and surround

shaped former of

material backfill to

construction

Under Verges/ | Under carriageway

Suitable selected -

backfill

excavated material

Y=0.25d or 150

Adopted Areas

Private Areas

and collar.

PIPE BEDDING DETAILS

-600mm x 600mm

cover bedded on

mortar.

225mm

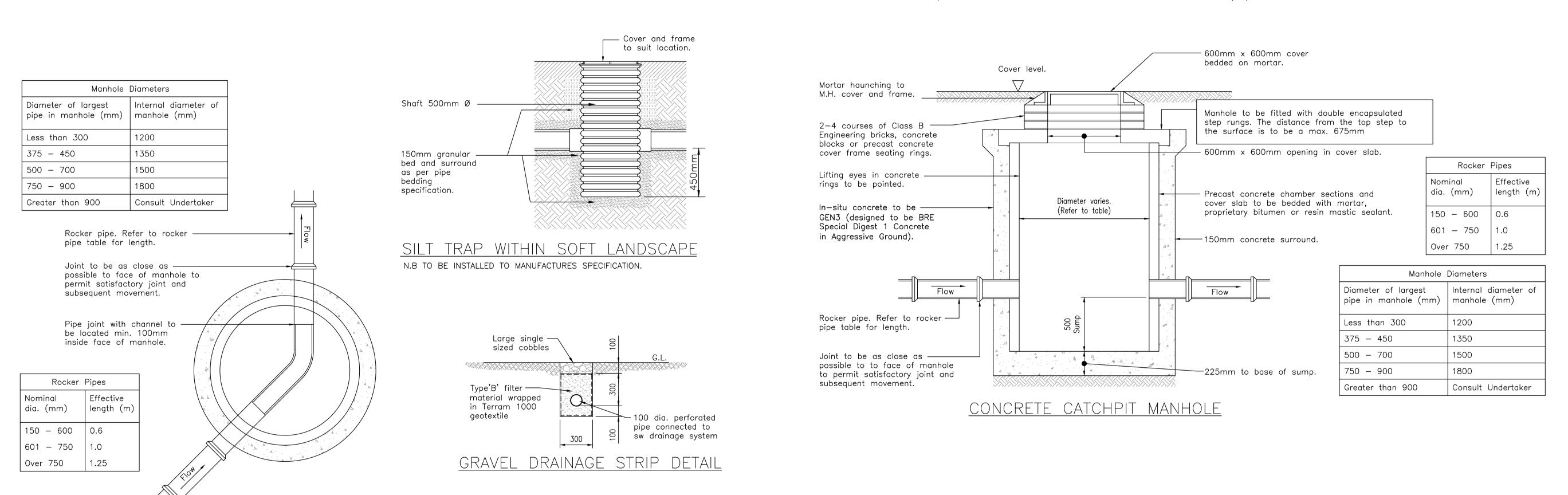
min.

min. under barrel |-

Cover less than 900mm

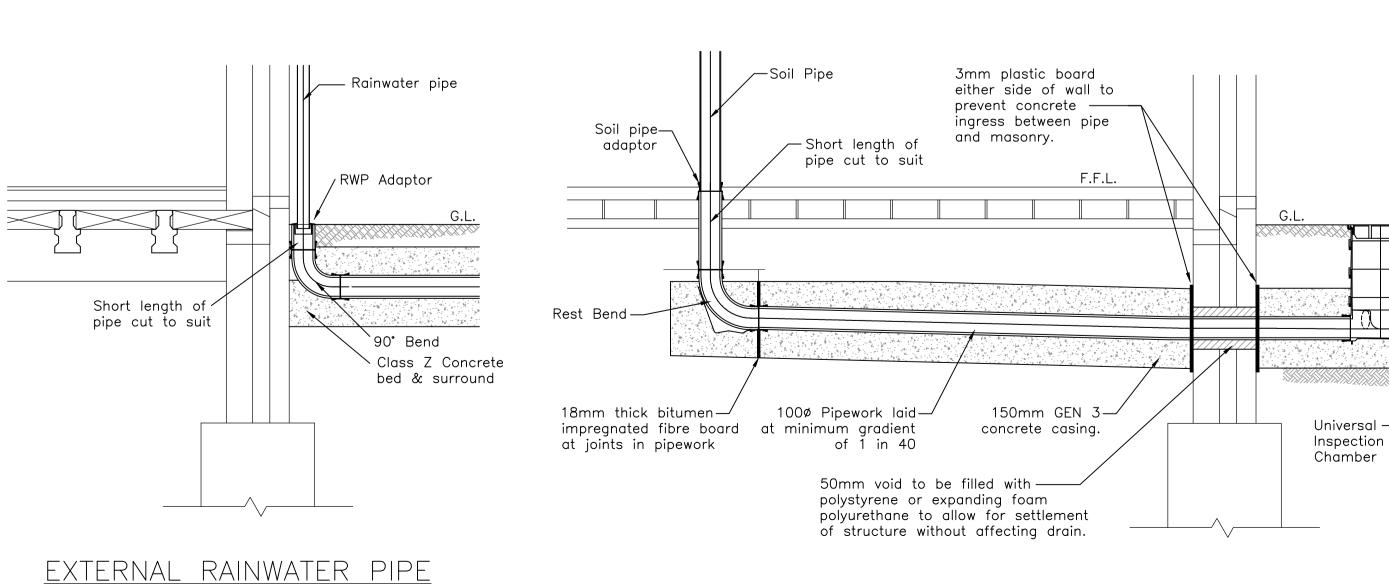
UNIVERSAL INSPECTION CHAMBER (UIC) — POLYPROPYLENE

Max. Depth from cover level to invert of pipe 1.2m



CONNECTION DETAIL

UIC SITED IN SOFT LANDSCAPING



TYPICAL SOIL VENT PIPE & UNIVERSAL INSPECTION CHAMBER DETAIL

MANHOLE - TYPE B

Mortar haunching to —

M.H. cover and frame.

2-4 courses of Class B

Engineering bricks, concrete

blocks or precast concrete

cover frame seating rings.

Lifting eyes in concrete —

rings to be pointed.

In-situ concrete to be

GEN3 (designed to BRE

in Aggressive Ground).

Construction joint. —

Inverts to be formed -

using channel pipes.

Special Digest 1 Concrete

High-Strength concrete topping

smooth face, neatly shaped and

finished to all branch connections

to be brought up to a dense,

(minimum thickness 20mm).

Max. depth from cover level to soffit of pipe 3.0m

Cover level.

Diameter varies.

(Refer to table).

500mm min.