

courses max.) or P.C.
masony units or P.C.
cover frame seating rings
set in Class 1 mortar

675mm max. to first step

Galvanised mild steel step irons at 250mm vertical centres to B.S. 1247 : Part 1, 1990

900 min.

bitumen or resin mastic sealant. Bottom P.C. section Class 1 mortar, proprietary 5911 part 200 bedded in

P.C. manhole sections to BS

proprietary bitumen or resin mastic part 200 bedded in Class 1 mortar, Heavy duty cover slab to BS 5911

min. 100mm

to be built into base concrete

1200

Class 'B' engineering bricks (2 No. courses min., 4 No.

Mortar haunching to cover and

Double triangular ductile iron cover and frame to BS EN124 D400 with

Cover and frame to be bedded in min. 600x600mm clear opening.

Class 1 mortar.

Pipe Bedding Details NTS

Distance between top of pipe and underside of precast section to be 50mm min. &

thickness 20mm)

Benching slope to be 1 in 10 to 1 in 30

Construction joint

cement unless agreed GEN3 with sulphate resisting

thick. All in-situ concrete to be Concrete surround 150mm

otherwise

be brought up to a dense smooth face neatly shaped and finished to all branch connections, (min.

High strength concrete topping to

Inverts to be formed – using channel pipes

300mm max.

- (D) $\stackrel{\textstyle (1)}{}$ Material designated type 'A' shall be 10dia single graded pea type gravel. Material designated type 'B' used under gardens and verges shall consist of uniform
- Material designated type 'B' used under roads and footpaths shall consist of larger than 37mm. Bedding to be compacted in 225mm layers. and frozen soil, and excluding clay lumps retained on a 75mm sieve and stones readily compactable material, free from tree roots, vegetable matter, building rubbish

Joint to be as close as possible to face of manhole to permit satisfactory joint and

resisting cement unless agreed otherwise Base concrete to be GEN3 with sulphate

Vertical Section

75mm concrete blinding

225mm to barrel of pipe

Rocker pipe each side of chamber - see Table 2

subsequent movement

Pipe joint with channel to be located min. 100mm inside face of manhole

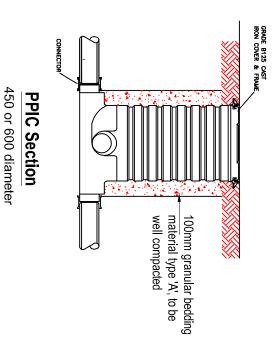
Minimum width of benching to be 500mm

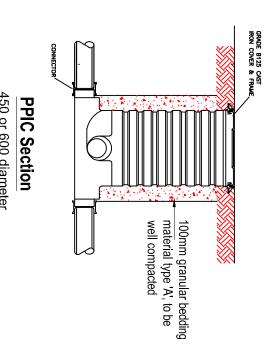
benching to be 225mm Minimum width of

- (ω) granular material as used for carriageway sub-base construction (Type 1).
- 4 All drainage installation to be carried out with BS5955-6:1980 & BS EN 752-1 to 4.

NOTES:-

- similar approved all bedded as detailed. 1. All surface water and foul drainage to be 110 or 150mm dia Osmadrain or
- otherwise noted 2. Inspection chambers to be OSMA Universal polypropylene inspection chambers (PPICs) to be 450mm dia up to 1200 depth or 600mm dia up to 3000 depth unless
- ယ Covers to PPICs to be B125.
- 4 All RWP droppers to have rodding access covers at low level.
- geotextile (or similar) and surrounded with 100 thk course sand. Intesio Aquacell Lite soakaway to be wrapped in Terram 1000 non-woven





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Project

Specifications Drainage S Max. depth from ground level to soffit of pipe 3.0m Rev

Precast Concret

te Manhole Detail

Plan Section

A PPICs amended, precast manhole added.	າhole added.	30.01
Details		Date
Drawing No.	ving No.	
scheme	17404/1	4/1

24

Checked

Scale \triangleright

Jsm As shown @ A3 Date Checked Feb 2022

Drawn