

For manholes of 1800 dia of larger. Below 1800 dia chamber rings continue to cover slab (no shaft)

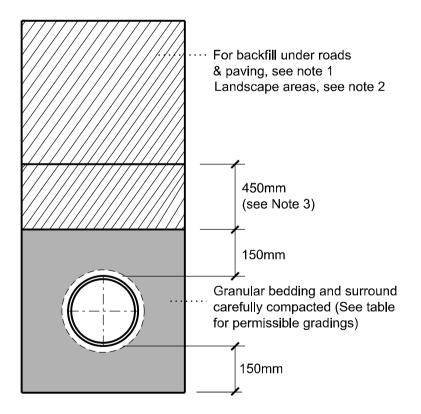
Minimum width of benching to be 225mm

Minimum width of benching to

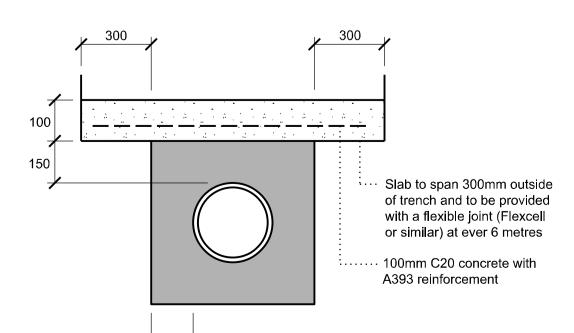
Joint to be as close as possible to face of manhole to permit satisfasctory joint

and subsequent movement

be 500mm



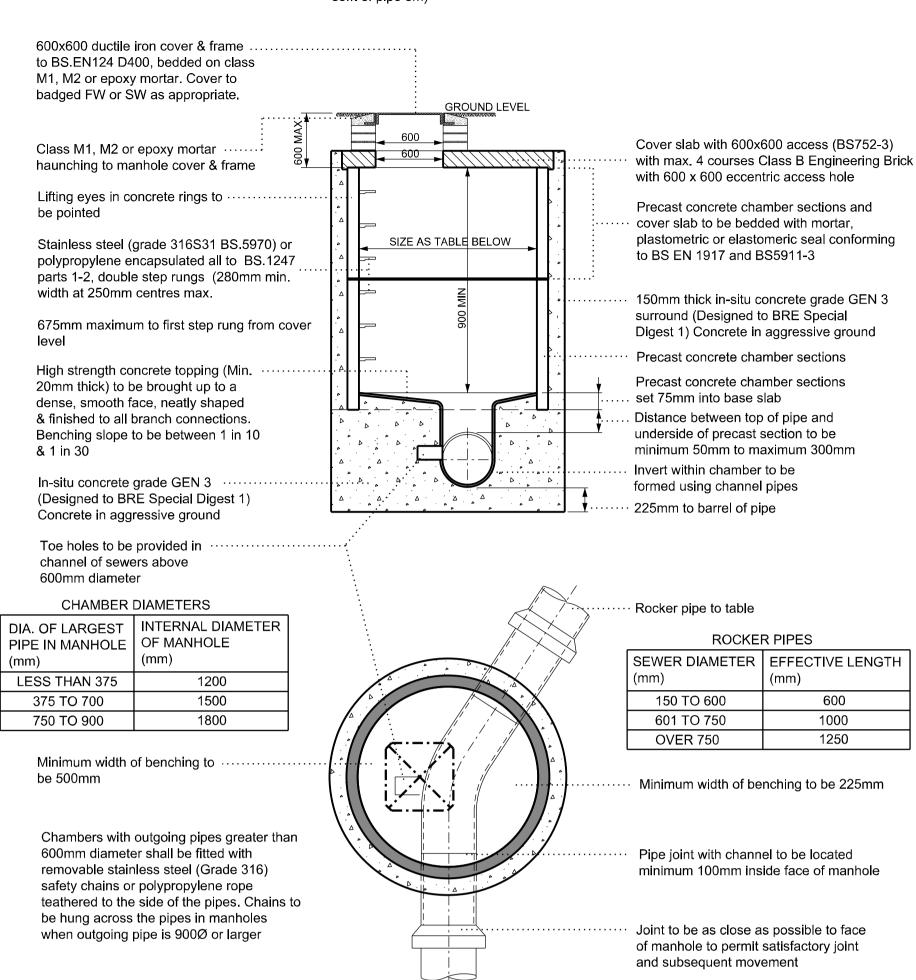
CLASS S BEDDING DETAIL

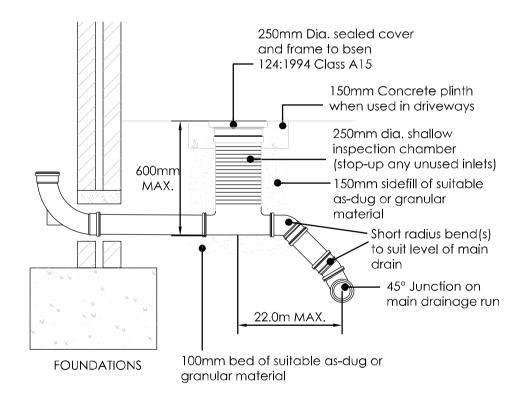


CONCRETE PROTECTION

TYPICAL MANHOLE DETAIL TYPE 2

(Maximum depth from cover level to sofft of pipe 3m)

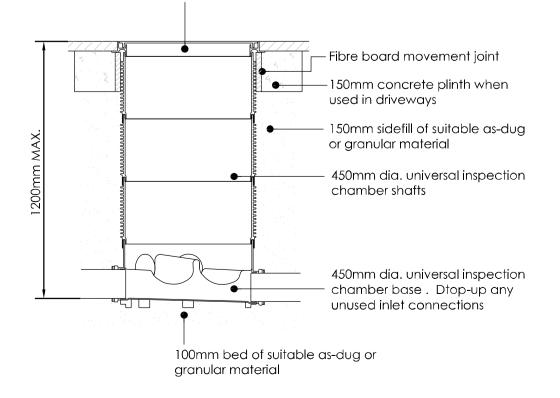




SHALLOW INSPECTION CHAMBER

For use in soft areas & driveways only

450mm dia. ductile iron cover and frame to BSEN 124:1994 Class A15 or BSEN 124: 1994 Class B125 when used in driveways & parking bays.

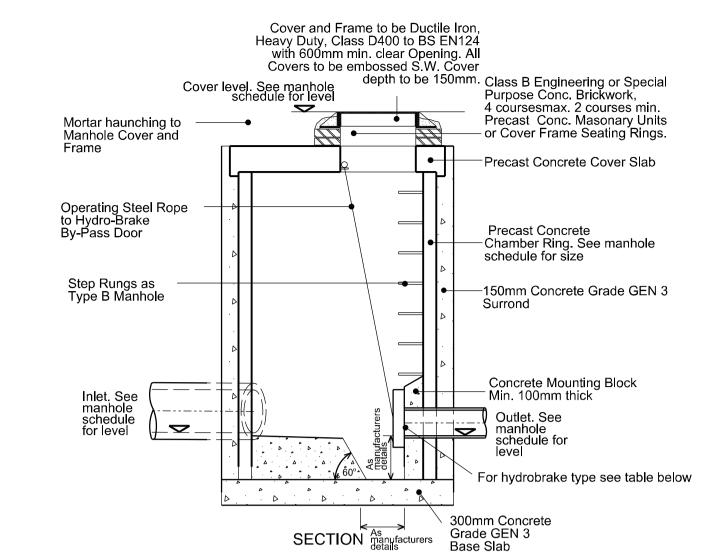


TYPICAL INSPECTION CHAMBER

For use in soft areas, driveways and parking bays only

TYPICAL FLOW CONTROL CHAMBER DETAIL

INDIVIDUAL FLOW CONTROL CHAMBER DETAILS SUBJECT TO STRUCTURAL ENGINEERS DESIGNS.



PLAN

Class B Engineering or Special Purpose Conc. Brickwork,

4 coursesmax. 2 courses min.

Precast Conc. Masonary Units

or Cover Frame Seating Rings.



This drawing is copyright

1. Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be

2. All works to be undertaken in accordance with Sewers for Adoption 7th Edition with any Albion Water additions or deletions

reported to the Architect or Engineer before proceeding. ©

Notes

Permitted Hydrobrake Manhole Hydrobrake Design head flow size type S15 MD6 1.6m 92.0 l/s 337mm INDIVIDUAL WEIR WALLS AND COVER SLABS SUBJECT TO DESIGN BY

STRUCTURAL ENGINEER

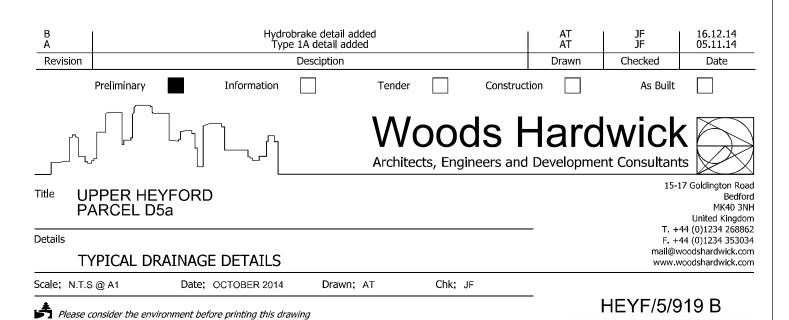
Backfilling under roads and paving: Backfill from top of granular bedding up to formation level with Granular Subbase Material Type 1 to Highways Agency specification for Highway Works 1998 Clause 803, laid and compacted in 150mm layers.

2. Backfilling under landscaped areas: Backfill from top of granular bedding up to underside of topsoil with selected Class 1B material. Class 1B fill whether selected from locally excavated material or imported, shall consist of uniform readily compactible material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessively high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material. Laid and compacted in layers not exceeding 300mm.

3. Do not use heavy compactors before there is 600mm of material over pipe.

D:	Maximuuss		Suitable materials	
Pipe Nominal Bore (DN)	Maximum Particle Size (mm)	Class of Bedding	Imported granular materials (Note a)	Maximum CF value for as-dug granular material (Note b)
100	10	S	10mm nominal single- size	0.15
		В		0.30 (Note c)
		F		0.15
		Ν	Course, Medium or fine sand	
Over 100 to 150	15	S	14mm to 5mm graded	0.15
		В		0.30 (Note c)
		F		0.15
		N	Coarse, medium or fine sand	
Over 150 to 500	20	S	14mm to 5mm graded or 20mm to 5mm graded	0.15
		В		0.30 (Note c)
		F		0.15
		N	All in aggregate or coarse medium or fine sand	
Over 500 (Note d)	40	S	14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded	0.15
		В		0.30 (Note c)
		F		0.15
		N	All in aggregate or coarse medium or fine sand	

- (a) Imported granular materials to include aggregates to BS 882, air- cooled blast furnace slag to BS 1047 and sintered pulverized- fuel ash to BS 3797
- Compaction fraction value, See Appendix A (b) The higher the CF value for as dug bedding and sidefill materials the greater the required
- (c) effort for adequate compaction.
- (d) Angular materials should be chosen to ensure sufficient support is provided to these heavier pipes. Crushed rock aggregates to BS 882 are recommended. Air- cooled blast furnace slag to BS 3797 or other granular materials may be used if they show a similar degree of angularity



THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN IT IS ENTIRELY AT HIS OWN RISK.

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM

THE RELEVANT AUTHORITIES, ALL DRAWINGS ARE ISSUED

AS PRELIMINARY AND NOT FOR CONSTRUCTION, SHOULD

Rodding point

10mm 45° bend

(or as required to achieve R.E invert

level) with taper

piece if req'd

RODDING EYE

Local concrete

surround

100min

dia DRAIN

Refer to

drawings

layout