

Backfill material.

Type 2 granular

material to S.H.W

Granular bedding

lightly compacted.

iranular bedding

Type A material

well compacted.

Selected backfill

material to remainder

of trench compacted

Initial backfill zone.

Selected backfill

Granular bedding

Type A material

well compacted.

material lightly

in layers not exceeding

CLASS S BEDDING (On trafficked areas)

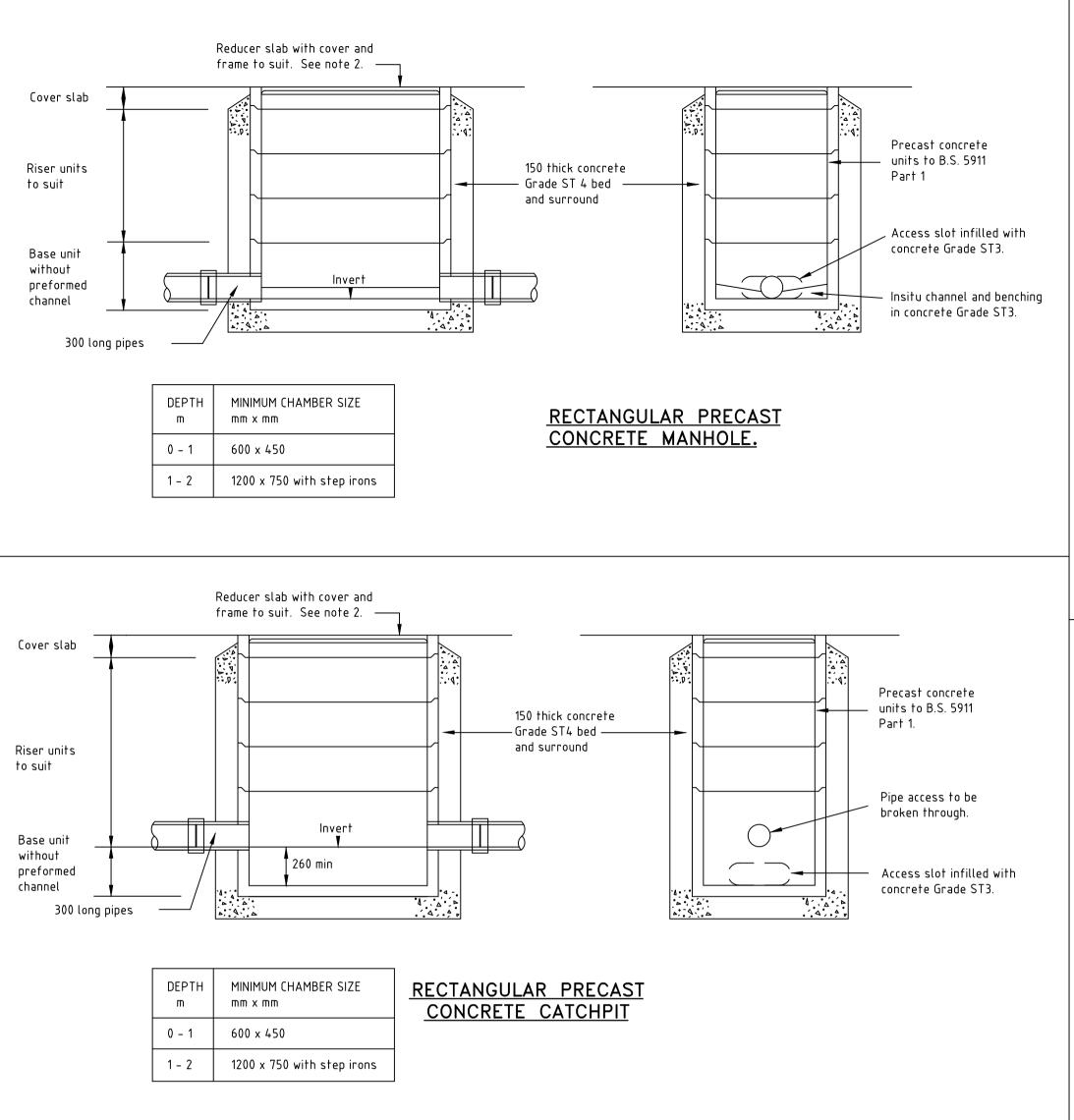
RIGID PIPES

CLASS B BEDDING

(Non-trafficked areas)

Type A material

specification.



150mm pea shingle

Granular fill 38–12mm

Pipes to be porous

Pipe Dia d mm

100

150

225

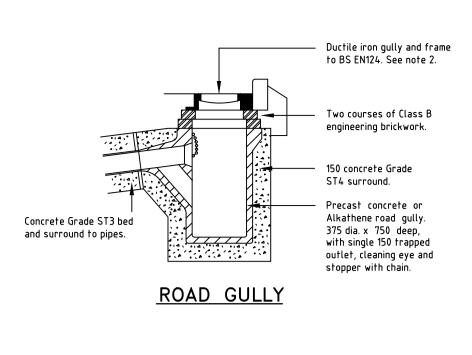
300

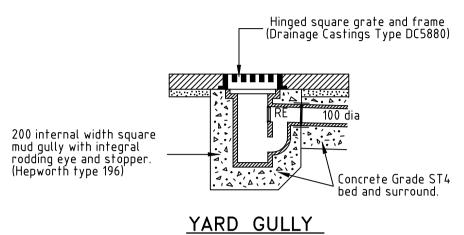
or perforated as

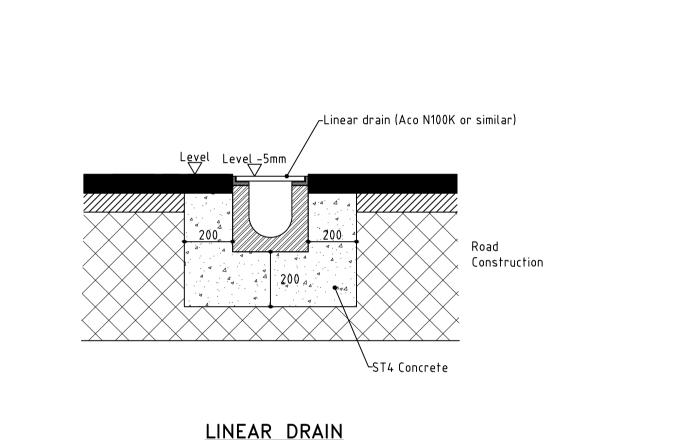
to BS EN 13242 or —

BS EN 13285

required



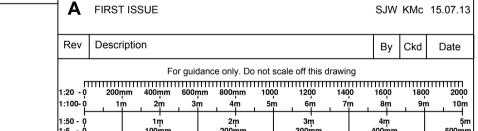




Pipe cut at angle to suit and built

For areas accessable

to vehicles.



Rodding Point (Aluminium) with sealing plate and safety valve set in Grade ST4 concrete. 300 x 300 clear opening ductile iron surface box Finished ground level Surface finish construction

MH cover and frame

BS EN124. See note 2.

225mm concrete

Grade ST4.

HEAVY DUTY COVER DETAIL

Used in trafficked areas



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Covers and frames to be :

. This drawing has been prepared in accordance with the scope of RPS's

Only written dimensions should be used.

appointment with its client and is subject to the terms and conditions of that

appointment. RPS accepts no liability for any use of this document other than

2. If received electronically it is the recipients responsibility to print to correct scale.

3. This drawing should be read in conjunction with all other relevant drawings and

. All materials and workmanship in connection with non adoptable drainage works to

complywith BS EN 752 "Drain and Sewer Systems outside buildings" and the

3. Where the crown of the pipe is within 300mm of the underside of the building slab,

4. Sulphate resisting concrete shall be used in accordance with BRE Special Digest

5. Private connections to public sewers and chambers immediately upstream to be

"Building Regulations 2000, Section H - Drainage and Waste Disposal".

a. Private Roads - Class D400 (ductile iron to BS EN 124).

concrete encasement should be used integral with the slab.

Parts 1-4, if required by the soil conditions.

constructed of a material other than plastic.

b. Other trafficked areas - Class C250 (ductile iron to BS EN 124).

c. Non trafficked areas - Class B125 (ductile iron to BS EN 124).

by its client and only for the purposes for which it was prepared and provided.

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Status

Project KINGSMERE, BICESTER

PRIVATE DRAINAGE DETAILS

Drawing Number		Rev	_
Project Leader KMc	Drawn By SJW	Checked by KMc	
Preliminary	NTS @A1	15.07.13	

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Date Created

GRANULAR BEDDING

Nominal bore	Alternative Aggregate sizes (mm)	
of pipe (mm)	Single sized	Graded
100 150 225-300	10 10 or 14 10, 14 or 20	- 14 to 5 14 to 5 or 20 to 5

Granular bedding for pipes and backfilling material for temporary drains (trench sub-drains) shall consist of aggregates from natural sources to BS EN 13242 and BS EN 1744-1 or sintered pulverised fuel ash complying with the relevant provisions of BS 3892: sized in accordance with the above table

Selected fill material, 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 shall be retained on 100mm and 40mm sieves respectively.

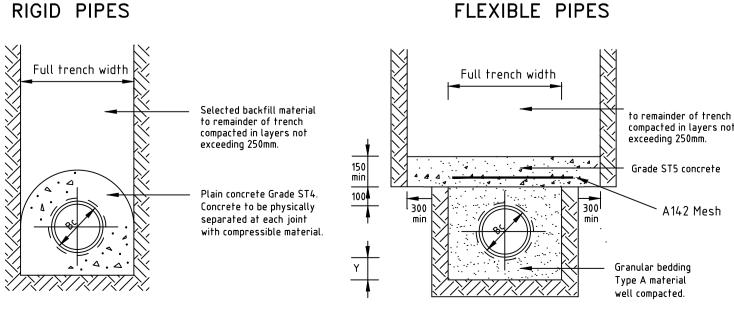
TRENCH WIDTHS

IKENCH WIDTHS					
Pipe Dia	Trench width max.	Y			
100	600	100			
150	600	100			
225	700	100			
300	750	100			

For cover to pipes of less than 0.90m in paved

areas, and less than 0.60m in open spaces.

FLEXIBLE PIPES



Selected backfill

material to remainder of

not exceeding 250mm.

trench compacted in layers

Initial backfill zone 300mm

minimum, lightly compacted

Granular bedding Type A

material well compacted.

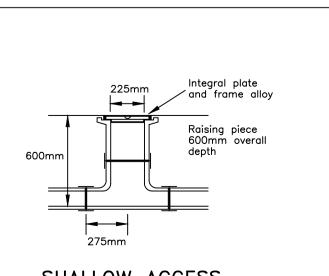
CLASS S BEDDING

CLASS A BEDDING

For cover to pipes of less than 1.00m in paved

areas, and less than 0.45m in open spaces.

CLASS A BEDDING



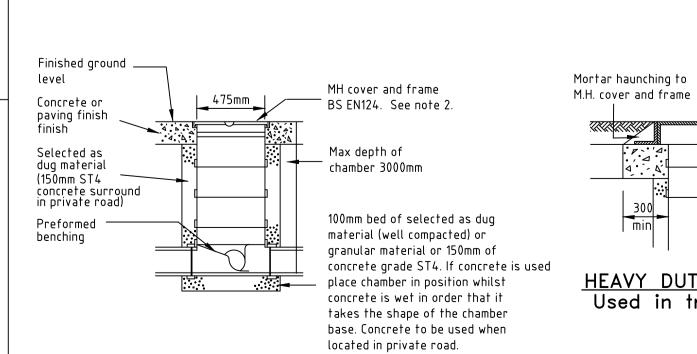
LAND DRAIN

Trench width W mm

300

450

SHALLOW ACCESS **INSPECTION CHAMBER** (maximum depth to invert 600).



RODDING EYE

Safety valve

POLYPROPYLENE INSPECTION CHAMBER Maximum depth to invert 3000

NOTE
Polypropylene inspection chambers greater than 1200mm deep shall be provided with resricted access not in excess of 350mm diameter.