Drainage and Service Ducts

SD/5/14

Notes

insitu C16/20 concrete

- 1. Foundation slab to be ST3 concrete.
- 2. Benching and surround to be C16/20 concrete.
- 3. Bricks to be Engineering Class B to BS EN 772-1, BS EN 772-3 & BS EN 772-7 in English bond.
- 4. Step irons to BS 5911 Part 1 and BS1247 when invert exceeds 900mm below cover.
- 5. Cover / reducing slab to BS 5911 Part 1.
- 6. Mortar bed to be Class 1 Mortar to Clause 2404.
- Circular cover and frame uncoated iron, Kite marked or equivalent to BS EN 124 (for type see opposite)
- Where cover is to be trafficked or laid against within 24 hours of frame being placed in position, then a suitable Ultra rapid hardening mortar and concrete (Monoset 241 or similar) shall be used to bed cover and frame.

	in vorgo		
		in verge	
mortar bed ———		_125 (Type M34 75 deep)	
150 surround ———	- 1017	<u> </u>	
step irons at 3 <u>00</u> intervals		152	
		max 3000	
		2200 when	
	/ /// – / ///	using shaft	
	<u> </u>	rings	
outfall		Ĭ	
() ^{Outiall}	<u> </u>	 	
	 	(4) 	
150	225 1227 225	150	
	Brick Catchpit Showing Shaft Rings		

ın Group		course of bricks	cover & frame	
Catchpit	shaft rings	below frame	Class	Location
M31C	without shaft	1	C250	Verges
M32C	without shaft	2	D400	Access & light traffic
M33C	without shaft	2	D400	Heavy traffic
M34C	with shaft	1	C250	Verges
M35C	with shaft	2	D400	Access & light traffic
M36C	with shaft	2	D400	Heavy traffic
	Catchpit M31C M32C M33C M34C M35C	Catchpit shaft rings M31C without shaft M32C without shaft M33C without shaft M34C with shaft M35C with shaft	Catchpit shaft rings below frame M31C without shaft M32C without shaft Catchpit shaft 1 M32C without shaft 2 M33C without shaft 2 M34C with shaft 1 M35C with shaft 2	Catchpit shaft rings below frame Class M31C without shaft 1 C250 M32C without shaft 2 D400 M33C without shaft 2 D400 M34C with shaft 1 C250 M35C with shaft 2 D400

Checked by: GP Approved by: SE
ISSUED 12/05/17

Rectangular Brick Manhole 1227 x 788 (max. pipe 750mmØ)

> SD/5/14 Standard Detail Number

Rev: Date: AMENDMENT DETAILS

Revision Number

This is a typical detail and may require conversion to a full scheme specific drawing.

NOT TO SCALE
(all units in millimetres)

Disclaimer :

cover and frame

step irons at 300<

112 brick arch

225 or greater

benching slope 1 in 12 ———

150

150 225

when pipe diam.

engineering

cover slab

intervals

bricks

clear opening

788

Brick Manhole

225 150

mortar bed

max

2200 when

using shaft

600

Before making use of this detail, any designer or third party must ensure that it satisfies all requirements of the scheme to which it is being applied. Lincolnshire County Council accept no responsibility for third party use of this Standard Detail.