## <u>Drainage</u> and Service Ducts

## D/5/12

1. Step irons to BS 5911: Part 1 and BS 1247: Part 1 when invert exceeds 675mm.

2. Foundation slab & surround to be ST3 concrete.

3. Precast concrete sections to BS 5911: Part 1 min, wall thickness 60mm.

4. Cover slab to BS 5911: Part 1 opening positioned at upstream end of m.h.

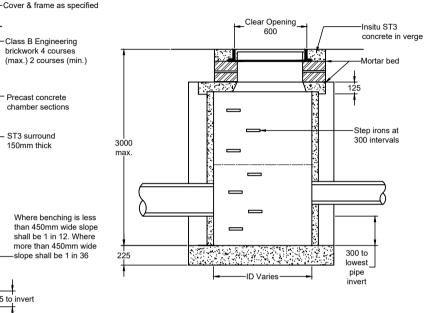
5. Engineering bricks to be Class B to BS EN 772-1. BS EN 772-3 & BS EN 772-7.

6. Mortar bed to be Type (i) mortar to Clause 2404.

7. Circular cover and frame uncoated iron kite marked or equivalent to BS EN 124.

8. Pipes entering manholes shall have a flexible joint within 600mm of the inside face of the

9. 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.



Precast	Concrete	Catchpit

Design	Group			Cover & frame				
Manhole	Catchpit	I.D.	Concrete Surround	Class	Pipe dia.	Location		
M1	M1C	1050	150	C250	225	Verges / footways	<u> </u>	
M2	M2C					NOT USED		1050mm
M3	мзс	1050	150	D400		Carriageway access	ح ا	Where de
M4	M4C	1200	150	C250		Verges / footways		soffit is be
M5	M5C	1200	150	D400	375	Carriageway access	)	1.35 and
M6	M6C				450	NOT USED		
M7	M7C	1350	150	C250	450	Verges / footways		
M8	M8C				450	NOT USED		
M9	М9С	1350	150	D400	450	Carriageway access		

-675 max

Size variable

Precast Concrete Manhole

min.

225

min.

-600

I.D. depth to etween 1.5mm

225 to invert

Class B Engineering

brickwork 4 courses

Precast concrete

chamber sections

shall be 1 in 12. Where

slope shall be 1 in 36

ST3 surround

150mm thick

(max.) 2 courses (min.)

Rev: Date: AMENDMENT DETAILS Lincolnshire

COUNTY COUNCIL

Working for a better future

Checked by:	GP	Approved by:	SB	
ISSI	JED	12/05/17		

Circular Precast Concrete Manhole Type B / Catchpit (Pipes max. 450) to Water Authorities Standard

SD/5/12

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 :

Heavy duty

cover slab-

reinforced concrete

(BS5911) bedded

Step irons or ladder-

Grano concrete

benching to be

brought up to a

to all branch connections (for

smooth face neatly

shaped & finished

screed thickness

ST3 Concrete

see CP204 Part 2)

with mortar or

mastic sealant

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.