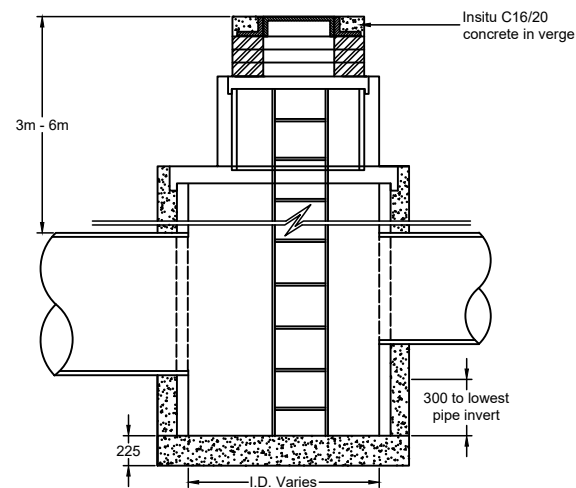
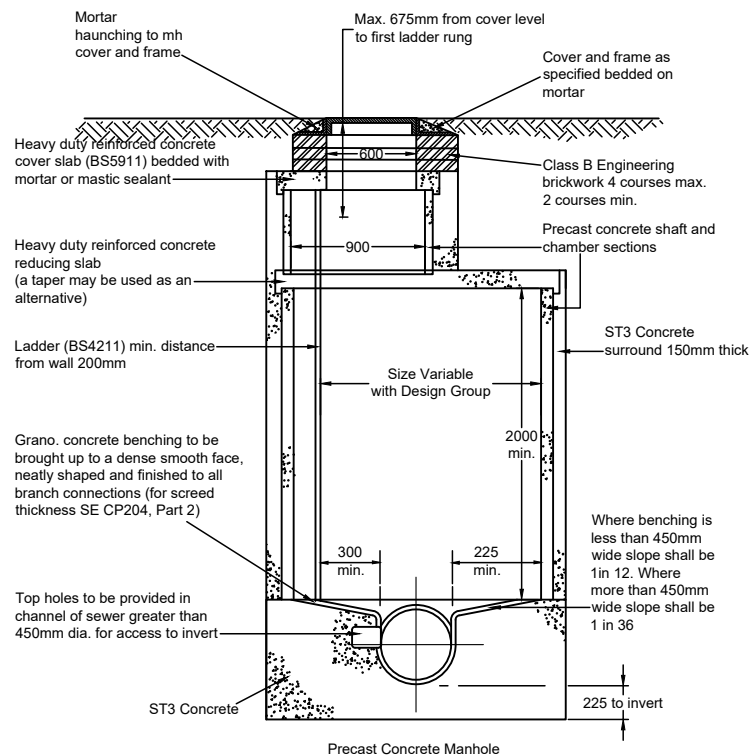


## SD/5/13



| Design Group |          | I.D. | Concrete Surround | Cover & frame | Pipe dia. up to | Location                |
|--------------|----------|------|-------------------|---------------|-----------------|-------------------------|
| Manhole      | Catchpit |      |                   | Class         |                 |                         |
| M10          | M10C     | 1500 | 150               | C250          | 700             | Verges                  |
| M11          | M11C     | 1500 | 150               | C250          | 700             | Access or light traffic |
| M12          | M12C     | 1500 | 150               | D400          | 700             | Heavy traffic           |
| M13          | M13C     | 1800 | 150               | C250          | 900             | Verges                  |
| M14          | M14C     | 1800 | 150               | C250          | 900             | Access or light traffic |
| M15          | M15C     | 1800 | 150               | D400          | 900             | Heavy traffic           |

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

**NOT TO SCALE**  
(all units in millimetres)

**Disclaimer :** 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.

## Notes

1. Ladder to BS 4211:2005 +A1.
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. Chambers with outgoing pipes greater than 700mm dia. shall be fitted with removable safety chains.
9. Pipes entering manholes shall have a flexible joint within 600mm of the inside face of the manhole.
10. 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.

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|------|-------|-------------------|-------|
| Rev: | Date: | Description:      | Appr: |
|      |       | AMENDMENT DETAILS | by:   |



|             |    |              |    |
|-------------|----|--------------|----|
| Checked by: | GP | Approved by: | SB |
|-------------|----|--------------|----|

ISSUED

12/05/17

Circular Precast Concrete Manhole  
Type A Catchpit (pipes over 450mm)  
Water Authorities Association Standard

SD/5/13

Revision Number

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