



- Cover level. (See Drainage Schedule).
- Ductile iron cover and frame (Kitemarked to Equivalent) to clause 507.9. (See Drainage Schedules).
- Cement mortar bed and surround.
- 2-3 courses 225mm brickwork.
- Reinforced precast concrete shaft slab (heavy duty) size of access hole to match opening of cover.
- 10mm gap between top ring and slab.
- Concrete mix ST4 surround.
- Precast concrete shaft ring (min. length 150mm).
- Precast concrete straight back taper. (Precast reducing slab may be used as an alternative).
- Manhole steps to comply with clause 507.6.
- Bottom chamber ring bedded on cement mortar on preformed joint in situ concrete.
- Insitu concrete mix ST2.
- Insitu concrete mix ST4.
- 300 below invert of largest pipe.
- Insitu concrete mix ST4.
- Blinding concrete mix ST1.

**NOTES**

1. All dimensions are in millimetres unless shown otherwise.
2. Ductile iron covers to catchpits to be positioned on side furthest from the carriageway where possible.
3. For detail of depths of individual catchpits and invert levels of pipes, see drainage schedules.
4. Bricks to be Class B clay engineering bricks to B.S. 3921 laid in accordance with the 2400 series in English Bond.
5. Cement mortar shall be mixed in the proportions given in Table 24/1. For mortar designation see Appendix 24/1.
6. Finish to internal concrete to be F2 on formed surfaces and U2 on unformed surfaces to clause 1708.
7. Standard concrete mixes shall comply with clause 2602.
8. Where specified on the layout drawings, earthenware stoppers to pipes shall comply with B.S. 65.
9. When gratings are provided as covers to the catchpits, the gratings shall be hinged on the side nearest the carriageway.
10. Where pipes are of 900mm dia. or more a safety chain shall be provided across the ends of the pipe.
11. Pipes shall be joined into chambers in accordance with clause 507.15.
12. Precast concrete units to clause 507.4.

**PRECAST CONCRETE DESIGN**

e	Minor amendments	11/98
d	Minor amendments	03.97
c	Spec. 7th Ed. amendments.	10.92
b	Top step iron amended.	1.92
a	Notes changed.	Apr 91

**CATCHPITS: Design group C5 (Precast concrete design)**



David Young  
 Director of Environmental Services  
 Oxfordshire County Council  
 Speedwell House, Speedwell Street,  
 Oxford OX1 1NE  
 Tel. Oxford 792422

© Unauthorised reproduction infringes copyright

**DRAINAGE**

SCALE Not to Scale	INITIALS	DATE	INDEX	AMENDMENT	DATE
	DRAWN			DRAWING No.	CATEGORY
	TRACED			HSD/5/345e	1
	CHECKED	<i>[Signature]</i>	21.1.99		