



**SECTION A-A**  
**INSITU CONCRETE DESIGN**  
 (Chamber walls may also be constructed in brickwork or blockwork, see note 2)

**Notes:**

1. All dimensions are in millimetres unless shown otherwise.
2. The chamber walls shall be constructed in either:  
 (i) Insitu GEN3 Mix A concrete (see note 11)  
 (ii) HD Type Class B engineering bricks with designation (i) mortar in English bond or (iii) Concrete bricks or blocks.
3. Finish to internal concrete to be F2 on formed surfaces and U2 on unformed surfaces.
4. Standard frame to have clear opening of 600x600 min.
5. When gratings are provided as covers to the catchpits, the gratings shall be hinged on the side nearest the carriageway.
6. The length of articulated pipe shall be as required by Table 5/6 of clause 507 at inlet and outlet.
7. Where chambers are constructed in existing carriageway or footway the brickwork support and frame bedding mortar shall be a proprietary mortar with a compressive strength exceeding 30 N/mm<sup>2</sup> in 3 Hrs. and tensile strength exceeding 5 N/mm<sup>2</sup> in 3 Hrs. Trafficking will not be permitted until a compressive strength of 20 N/mm<sup>2</sup> has been achieved.
8. For traffic sensitive roads, the Engineer may require the use of a proprietary polymer modified mastic asphalt system for installing the manhole cover and frame, to allow re-trafficking within 1 hour of completion.
9. Backfilling of catchpits should be in accordance with MCHW 507.7.
10. further information refer to Standard Details Guidance Note drawing no. HSD/100/001
11. For concrete specifications and mix information refer to the Concrete For Ancillary Purposes Standard Specification drawing no. HSD/100/002.
12. The length of articulated pipe shall be as required in Table 5/6 of clause 507 at inlet and outlet.



DRAWING TITLE:  
 Catchpits - Design Group C2 -  
 Cover to Sump Up to 2m (Insitu Concrete, Brickwork and Blockwork)

SCALE: NTS

|           |            |            |
|-----------|------------|------------|
|           | DRAWN      | CHECKED    |
| INITIALS: | CS         | MS         |
| DATE:     | 12/01/2024 | 12/01/2024 |

|     |            |     |        |      |
|-----|------------|-----|--------|------|
| REV | AMENDMENTS | DRN | CHCK'D | DATE |
|     |            |     |        |      |
|     |            |     |        |      |

DRAWING NO:  
 HSD/500/110