



The diagram illustrates a mechanical assembly. A large circular base, shaded with a stippled pattern, is shown in cross-section. A vertical rod passes through the center of the base. A horizontal rod is attached to the right side of the base. A detailed view of the joint between the horizontal rod and the base is shown, highlighting the internal structure and the connection point. The drawing uses solid lines for the main components and dashed lines for the internal features and the detailed view's outline.

A diagram of a lifting hook. It consists of a large circle with two smaller circles inside, each containing a vertical line. A label 'Lifting Hook' with a line pointing to the right inner circle.

Technical drawing of a concrete slab cross-section. The drawing shows a rectangular slab with a width of 50 and a length of 710. The slab is reinforced with a grid of reinforcement bars. A lifting hook is shown at the top left corner. A mild steel flat is shown around the cover. A 15mm clear cover is indicated at the bottom right corner. The slab is labeled as Reinforcement.

Technical drawing of a stepped profile. The profile is defined by the following dimensions:

- Total width: 710
- Total height: 100
- Left vertical segment: 75
- Bottom horizontal segment: 560
- Right vertical segment: 75
- Rightmost horizontal segment: 125

The profile consists of a left vertical segment of height 75, a horizontal segment of width 173, a vertical segment of height 25 (100 - 75), a horizontal segment of width 75, a vertical segment of height 25, a horizontal segment of width 560, a vertical segment of height 25, a horizontal segment of width 75, and a rightmost vertical segment of height 75.

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METERS, UNLESS OTHERWISE SPECIFIED .
2. MINIMUM CLEAR COVER 40 mm, EXCEPT BASE SLAB, WHERE MINIMUM CLEAR COVER IS 40 mm.
3. GRADE OF CONCRETE M30.
- 4.GR.OF STEEL Fe 415, CONFIRMING TO IS 1786
5. SFRC MANHOLE FRAME & COVER
AS PER IS :12592 (PART I&II).
6. R.C.C DESIGN AS PER IS 3370.
- 7.MANHOLE DETAILS ARE GIVEN IN SEPARATE DRAWING.

INCOMING SEWER CONNECTION INTERNAL DIAMETER, D _c (M)	HEIGHT OF DROP, H _b (M)	TYPE OF CONNECTION
D _c ≤ 0.6	H ≤ 1.5M OR 3 X D _c WHICHEVER IS HIGHER	NORMAL DROP
	H _b ≥ 1.5M OR 3 X D _c WHICHEVER IS HIGHER	BACK DROP WITH DROP PIPE OF INTERNAL DIAMETER D _d
0.6 < D _c ≤ 1.2	H _b ≤ 3 X D _c	NORMAL DROP
	H _b ≥ 3 X D _c UP TO 6M	BACK DROP WITH DROP PIPE OF INTERNAL DIAMETER D _d
	H _b > 6M	VORTEX DROP WITH DROP PIPE OF INTERNAL DIAMETER D _d
D _c ≥ 1.2	H _b ≤ 3 X D _c	NORMAL DROP
	H _b ≥ 3 X D _c	VORTEX DROP WITH DROP PIPE OF INTERNAL DIAMETER D _d

Rev	Description	By	Verified	Date
R0	ISSUED FOR TENDER	AKM	KSP	03.08.2017

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Project	SMART INTEGRATED INFRASTRUCTURE MASTER PLAN AND DETAILED PROJECT REPORTS FOR PHASE-I INFRASTRUCTURE WORKS FOR/AT AMARAVATI CAPITAL CITY		
Drawing Title	TYPICAL DETAILS OF DROP MANHOLE FOR AMARAVATI CAPITAL CITY		
Drawing No	AG-1957-DDR-AM-WW-SD-DM-003		Rev R0