

GENERAL NOTES FOR STAIR, R.C.C U-DRAIN & NAME PLATE :

1. THE SPECIFICATION OF MATERIALS & WORKMANSHIP SHALL CONFORM TO THE STANDARD TECHNICAL SPECIFICATIO OF BWDB IN GENERAL.
2. THE FOLLOWING SPECIFICATION OF MATERIALS & WORKS SHALL BE FOLLOWED:

a. CONCRETE STRENGTH (CYLINDER TEST) IN R.C.C WORKS

: 22 N/mm²

BLINDING LAYER CONCRETE (LEAN CONCRETE)

: 1:3:6

b. YIELD STRENGTH OF RENIF. BAR (DEFORMED BAR)

: 400 N/mm²

c. CLEAR COVER FOR R.C.C WORK

: 65mm (unless otherwise mentioned in the drawing)
3. CONCRETE SHALL BE POURED IN DRY BED CONDITIONS.
4. CONCRETE MIXTURE SHALL BE POURED AS QUICK AS POSSIBLE BUT NOT LATER THAN 45 MINUTES AFTER MIXING.
5. THE SURFACE OF CONSTRUCTION JOINTS SHALL BE WASHED THOROUGHLY WITH WATER JET & SHALL BE CLEAN ENOUGH. SURFACE SHALL BE KEPT DRY PRIOR TO PLACEMENT OF ADJOINING CONCRETE.
6. COMPRESSIVE STRENGTH OF C.C. BLOCK SHOULD NOT BE LESS THAN 12.00 N/MM² BY CYLINDER TEST AT 28 DAYS AND USING STONE CHIPS AS COARSE AGGREGATE.
7. CURING OF C.C. BLOCK SHALL BE CONTINUED FOR MINIMUM 21 DAYS.
8. FILLING IN FOUNDATION TREATMENT SHALL BE DONE BY COMPACTED SAND OF F.M ≥ 1.00 AS SHOWN IN THE DRAWING (IF REQUIRED).
9. LAP LENGTH / DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE 40 BAR DIA.
10. LAPS SHALL BE STAGGERED SO THAT NOT MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION. WHERE BARS MUST BE LAPPED IN ONE CROSS SECTION, THE LAP LENGTH SHALL NOT BE LESS THAN 1.3 TIMES MINIMUM LAP LENGTH.
11. REINFORCING BAR SHALL BE SUPPORTED IN ITS PROPER POSITION BY USE OF MORTAR BLOCKS, SUPPORTS OR BY OTHER APPROVED MEANS.
12. LOCATION & NUMBERS OF RCC STAIR, R.C.C U-DRAIN & NAME PLATE SHALL BE FIXED BY FIELD OFFICE ACCORDING TO ACTUAL FIELD REQUIREMENT. STAIR AND DRAIN OF THIS DRAWING ALSO APPLICABLE FOR KM 7.970 TO KM 9.500=1.530 KM (RABINDRA KUTHIBARI AT SHELDAIDAHA).
13. DIMENSIONS AND LEVELS SHOWN IN THE DRAWINGS ARE IN MILLIMETER AND METER PWD RESPECTIVELY.
14. THE COMPACTION MUST BE ENSURED BY THE CONCERNED FIELD EXECUTIVE ENGINEER.
15. CUT-OFF WALL OF STAIR & R.C.C U-DRAIN MUST BE CONSTRUCTED FROM THE LOWER PART (NEAR LWL) TO UPWARDS.
16. DRAWING FOR STAIR, R.C.C U-DRAIN & NAME PLATE ARE AN INTEGRAL PART OF THIS PROPOSED PROTECTIVE WORKS.
17. ANY OMISSION / CORRECTION SHALL BE IMMEDIATELY INFORMED TO THE DESIGN CIRCLE-5, BWDB, DHAKA FOR TAKING NECESSARY ACTION.

BANGLADESH WATER DEVELOPMENT BOARD			
OFFICE OF THE SUPERINTENDING ENGINEER			
DESIGN CIRCLE-5			
"Protection of Talbaria area of Mirpur Upazila & Kamorkandi area of Sheldaidah Union of Kumarkhali Upazila in Kustitia District from the erosion of Padma River"			
Design of Protective Work along the R/B of Padma River from KM 6.720 to KM 15.720=9.000 KM at Talbaria, Baruipara and Bahalbaria union, Upazila: Mirpur, District: Kustitia			
Kustitia WD Division, BWDB, Kustitia.			
NOTES FOR STAIR, R.C.C U-DRAIN & NAME PLATE			
DESIGNED BY:	RECOMMENDED BY:		
(SHAMMI AKHTER, SDE	(JAKARIA PERVEZ, SE		
CHECKED BY :	APPROVED BY :		
(MST. TASMEM JAHAN), EE	(MD. MAHFUZUR RAHMAN), CE, DESIGN		
DATE: 00-00-2025	DWG NO.: DC-5-0000-29/34		