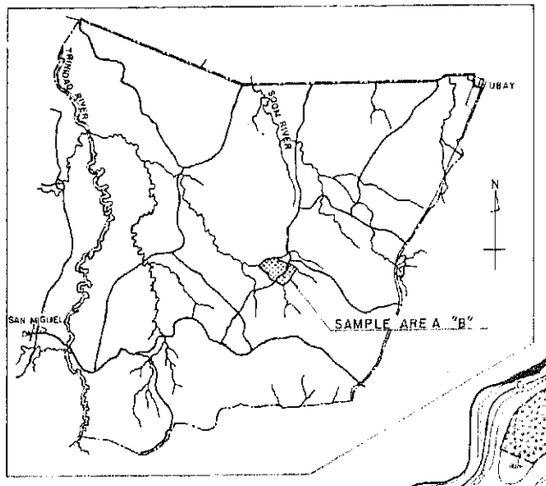

LEGEND

- TURNOUT
- DIVISION BOX
- LATERAL CANAL
- MAIN FARM DITCH
- SUPPLEMENTARY FARM DITCH
- FARM DRAIN
- FARM TURNOUT
- INTERNAL DITCH
- FARM ROAD
- (2) ROTATION UNIT

SCALE

0 100 200 300 (M)

FEASIBILITY STUDY
BOHOL IRRIGATION DEVELOPMENT PROJECT
PHASE II

TYPICAL LAYOUT OF ON-FARM FACILITIES
IN SAMPLE AREA "B"

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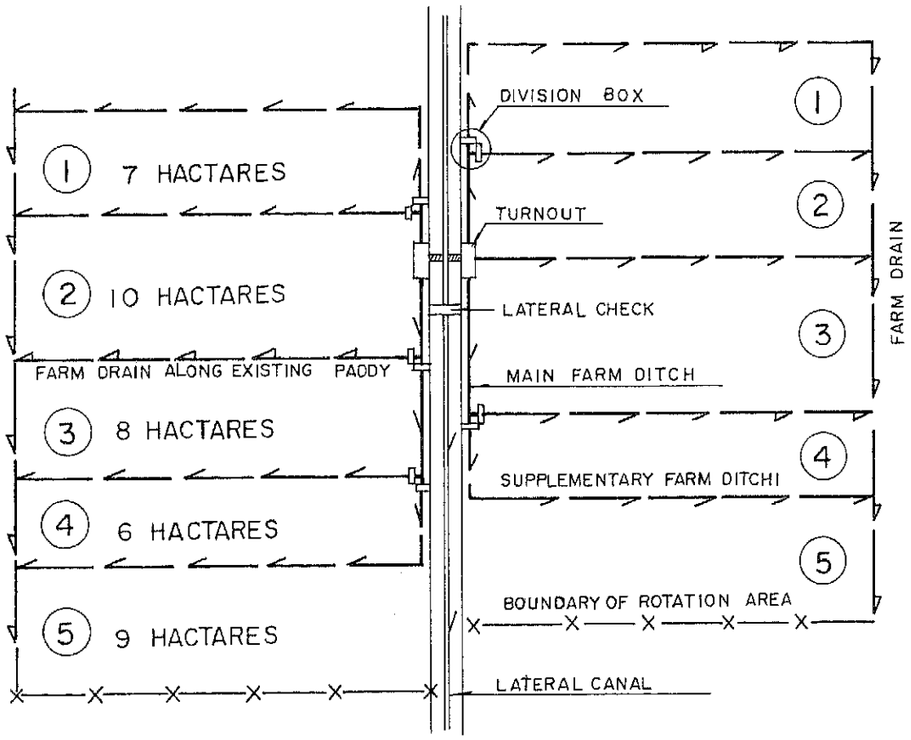
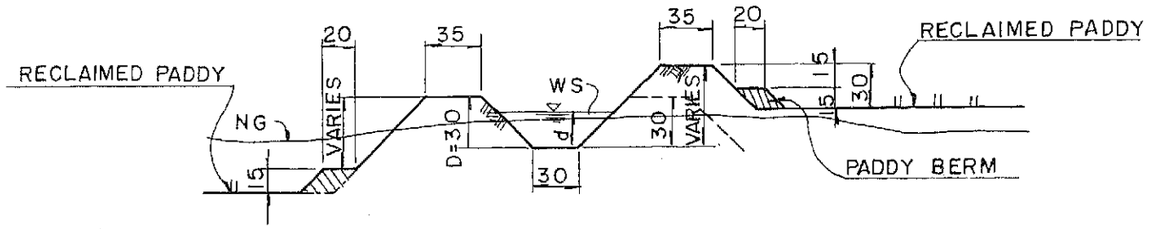
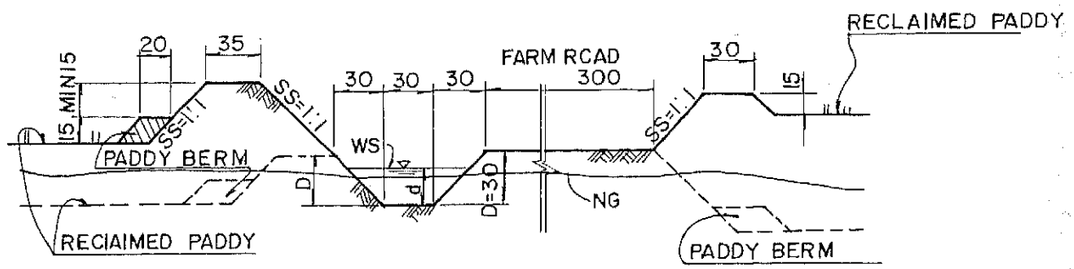


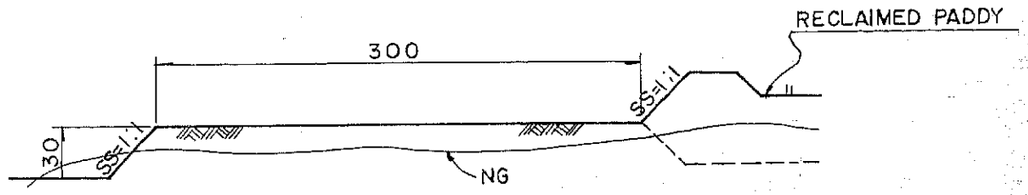
LAYOUT OF TWO ROTATION AREAS



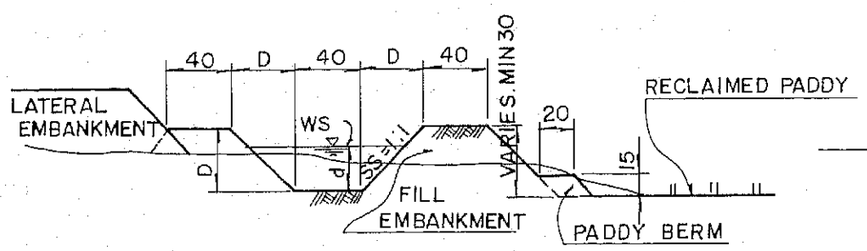
SUPPLEMENTARY FARM DITCH IN THE THE RECLAIMED AREA



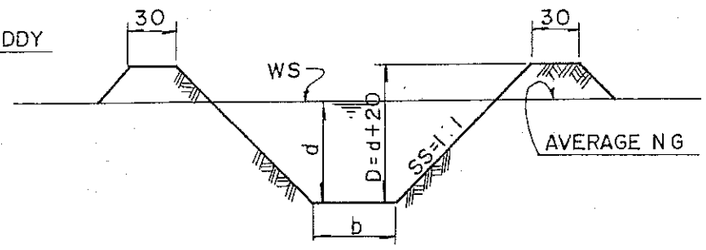
SUPPLEMENTARY FARM DITCH AND FARM ROAD



FARM ROAD



MAIN FARM DITCH ADJACENT TO LATERAL



FARM DRAIN

FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
STANDARD DESIGN OF ROTATION AREA AND ON-FARM FACILITIES	
DRAWING NO. OF.-3	NOVEMBER, 1985
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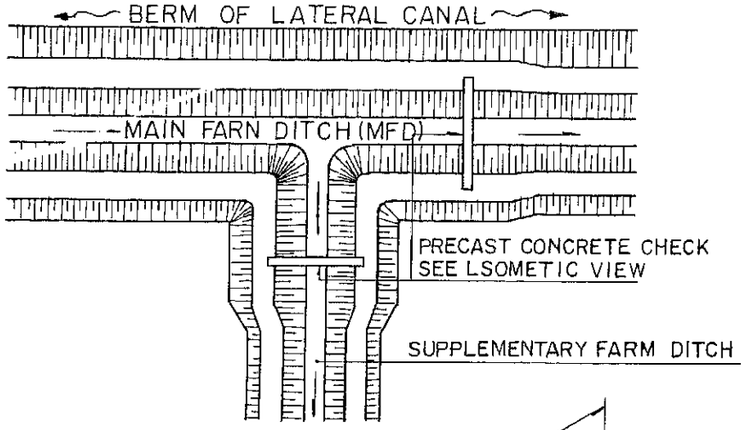
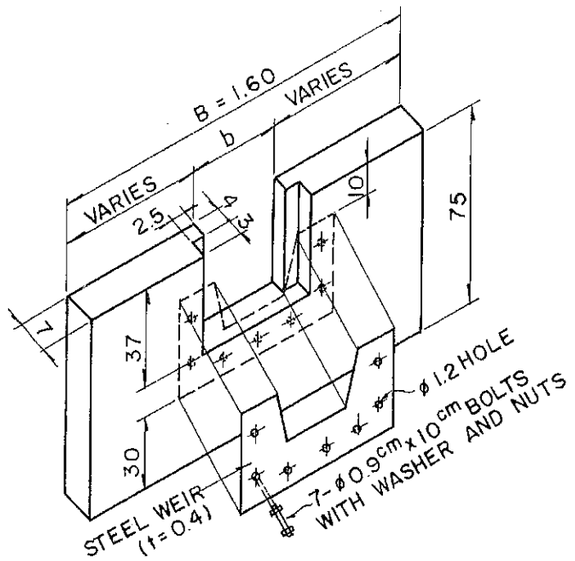


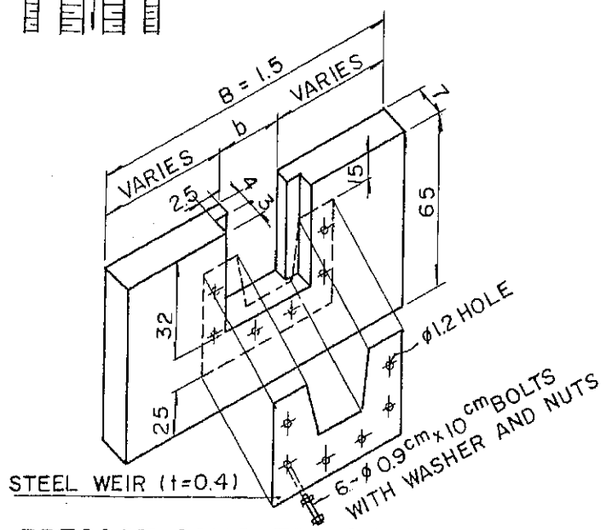


PRECAST CONCRETE CHECK AND STEEL WEIR (TYPE.A)

DISCHARG OF WEIR (LITRE/SEC) $Q = 1.86 \cdot L \cdot H^{\frac{3}{2}}$					
HEAD	LENGTH OF WEIR (Cm)				
H(cm)	42.5	40	30	20	10
5	8.8	8.3	6.2	4.2	2.1
6	11.6	10.9	8.2	5.5	2.7
7	14.6	13.8	10.3	6.9	3.4
8	17.9	16.2	12.6	8.4	4.2
9	21.3	20.1	15.0	10.0	5.0
10	25.0	23.5	17.6	11.8	5.9
11	28.8	27.1	20.3	13.6	6.8
12	32.8	30.9	23.2	15.5	7.7
13	37.0	34.8	26.1	17.4	8.7
14	41.4	38.9	29.2	19.5	9.7
15	45.9	43.2	32.4	21.6	10.8
16		47.6	35.7	23.8	11.9
17		52.1	39.1	26.1	13.0
18		56.8	42.6	28.4	14.2
19		61.6	46.2	30.8	15.4
20		66.5	49.9	33.3	16.6
21		71.5	53.7	35.8	17.9
22		76.7	57.6	38.4	19.2
23		82.1	61.5	41.0	20.5
24		87.5	65.6	43.7	21.9
25		93.0	69.8	46.5	23.3

L	W	b
42.5~32.5+	70	50
32.5~22.5+	60	40
22.5~12.5+	50	30
12.5≧	40	20

DEMENSION OF TYPE.B



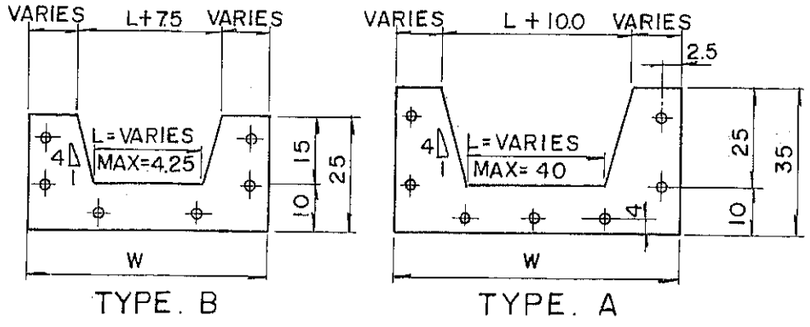
PRECAST CONCRETE CHECK AND STEEL WEIR (TYPE.B)

L	W	b
40 ~ 30 +	70	50
30 ~ 20 +	60	40
20 ~ 10 +	50	30
10 ≧	40	20

DEMENSION OF TYPE.A

NOTES:

1 TYPEA: USE FOR 40 TO 20HA OF SERVICE AREA.
  TYPEB: USE FOR 20HA OR LESS SERVICE AREA.
2 PEIR OF CHECK SHALL BE USE THE SOME TYPE.
3 WEIR EDGE SHALL BE MANUFACTURED IN PROPORTION TO EACH SIZE OF SERVICE AREA.
4 ELEVATION OF WEIR EDGE SHALL BE 10cm HIGHER FROM THE DITCH BOTTOM
5 UNIT BISCHARGE FOR MED AND SFD IS 2.183 L/SEC/HA.



DETAIL OF STEEL WEIR

FEASIBILITY STUDY
BOHOL IRRIGATION DEVELOPMENT PROJECT
PHASE II

STANDARD DESIGN OF DIVISION BOX AND DIVERSION WEIR

DRAWING NO. OF-4 | NOVEMBER, 1985

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