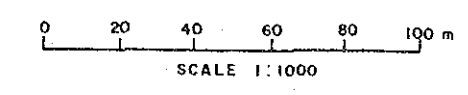
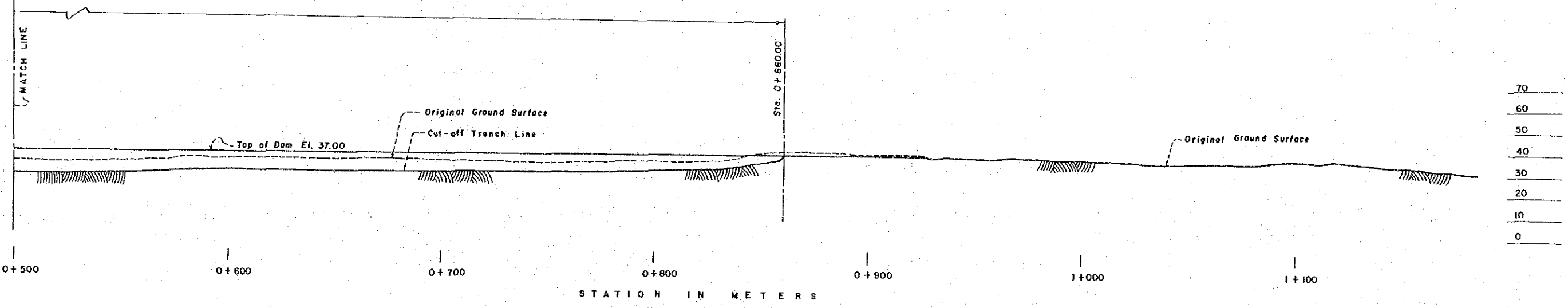
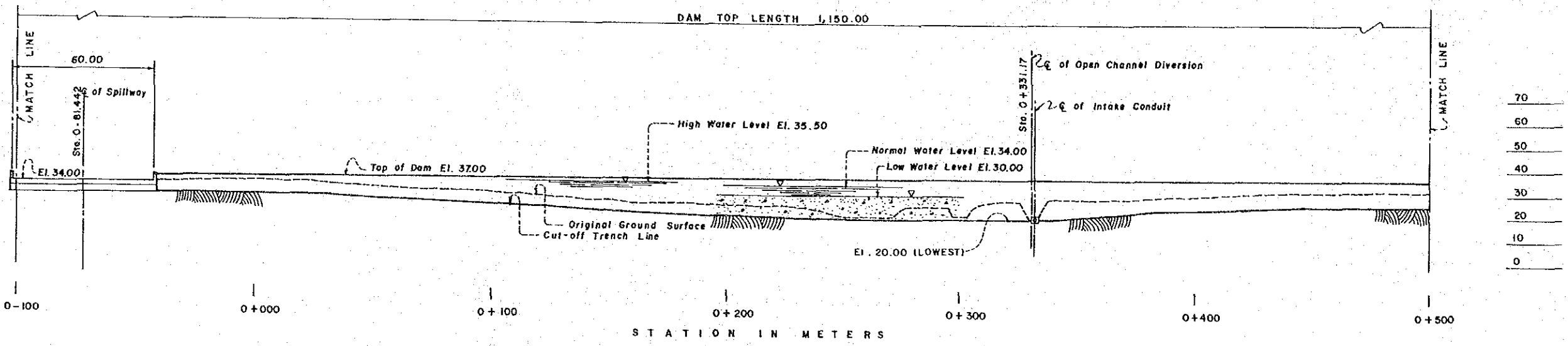
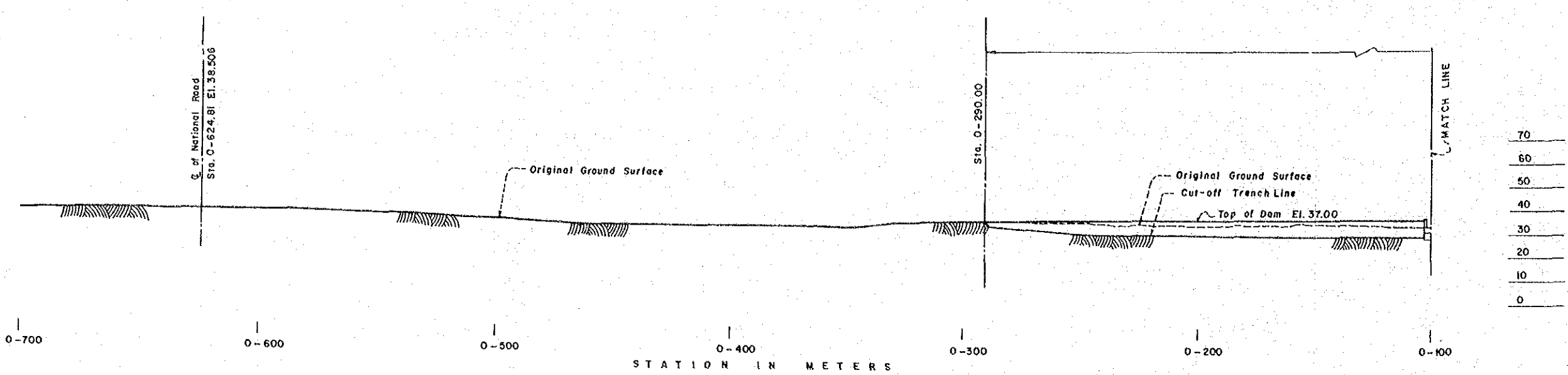


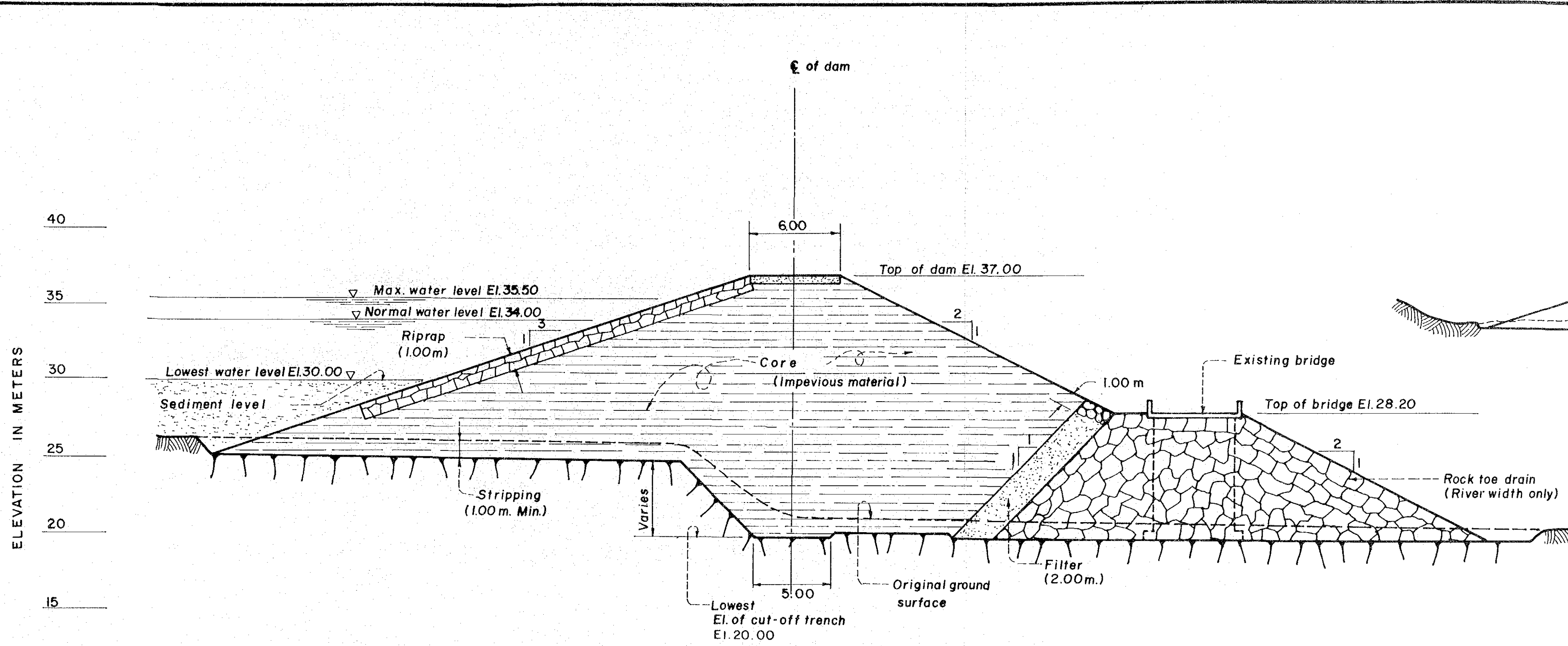
LONGITUDINAL SECTION OF CAPAYAS DAM AXIS
SCALE 1:1000

FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PHASE II	
CAPAYAS DAM SECTION PROFILE (FROM STA. 0-700 TO STA. 1+100)	
DRAWING NO. DA-7	NOV 1964
JAPAN INTERNATIONAL COOPERATION	

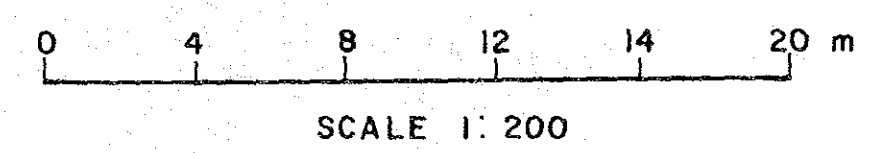
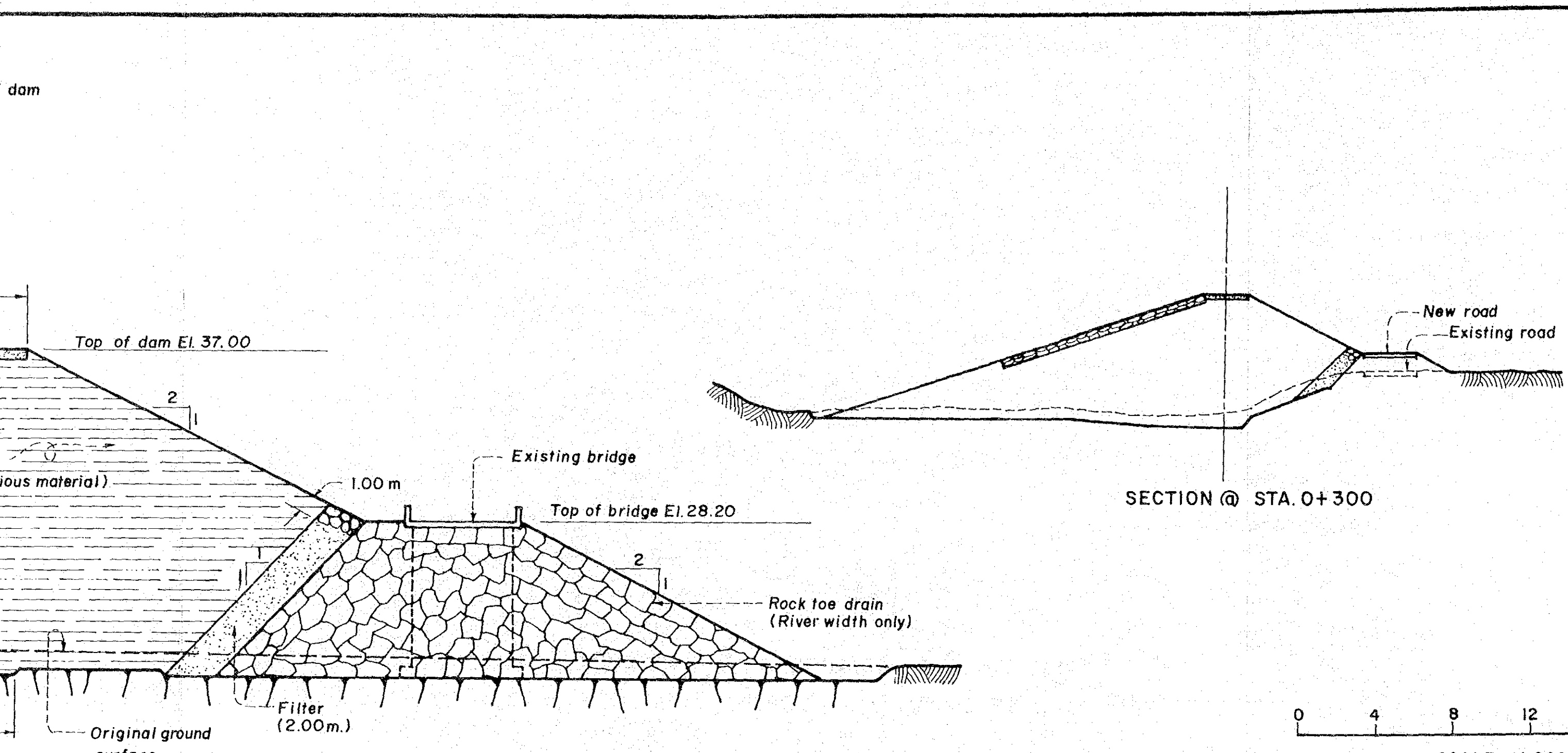


LONGITUDINAL SECTION OF CAPAYAS DAM AXIS
SCALE 1:1000

FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
CAPAYAS DAM SECTION PROFILE (FROM STA. 0 - 700 TO STA. 1 + 100)	
DRAWING NO. DA-7	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	

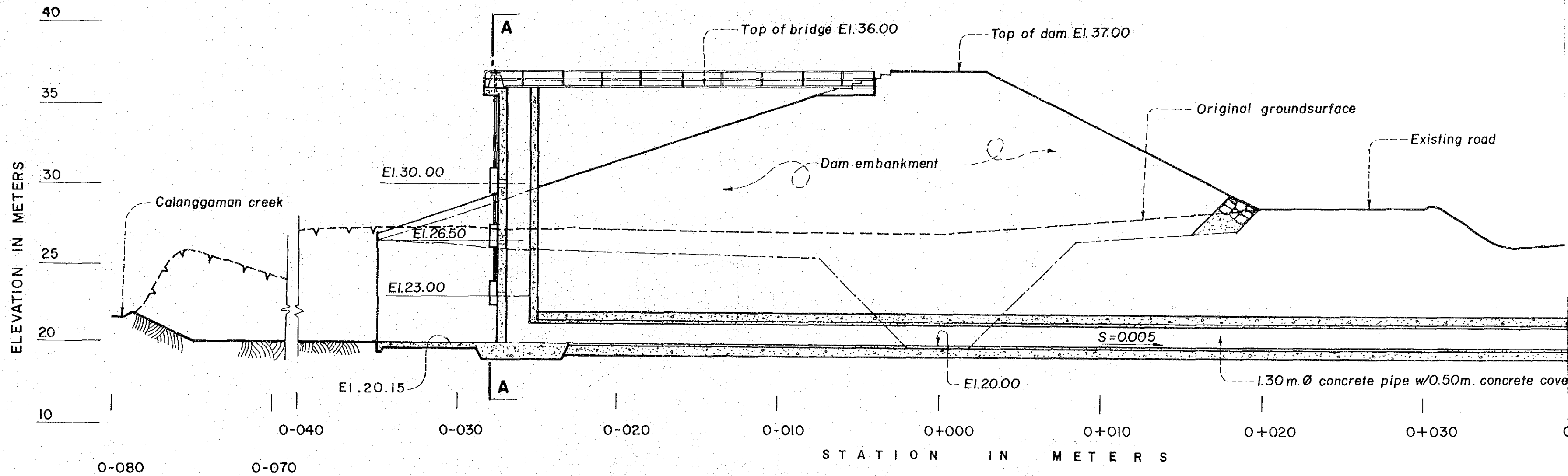


MAXIMUM SECTION OF DAM EMBANKMENT
 SCALE 1:200



F DAM EMBANKMENT
1:200

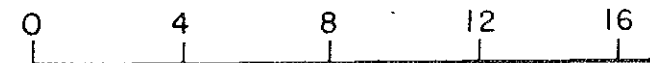
FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
CAPAYAS DAM STANDARD SECTION AT DAM	
DRAWING NO. DA.-8	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	



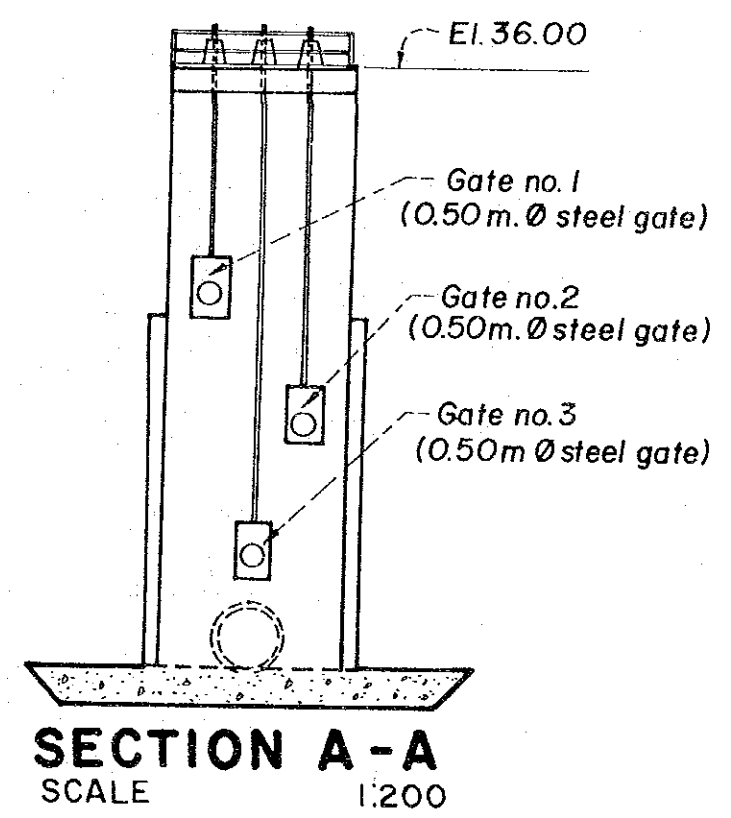
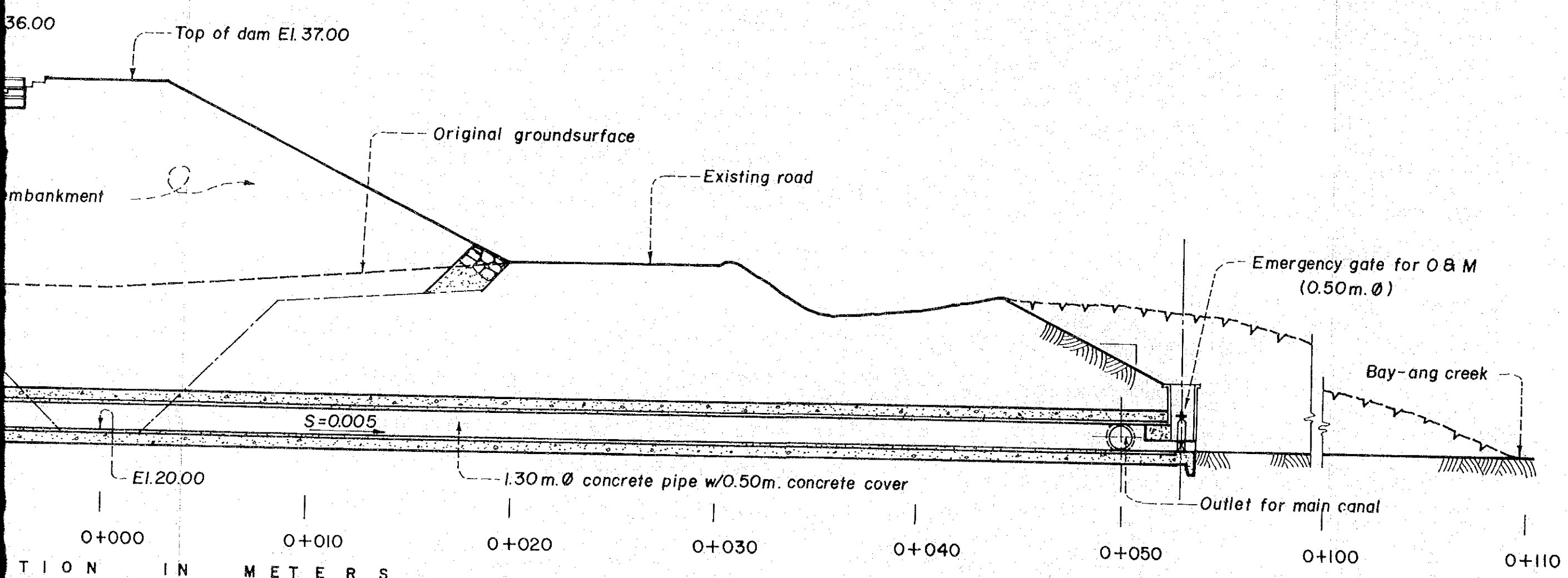
SECTION ALONG CL OF OUTLET WORKS (SIPHON TYPE)

SCALE

1:200

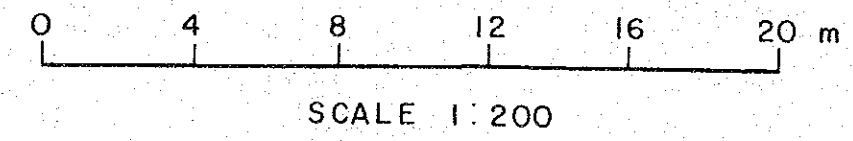


SCALE 1:200

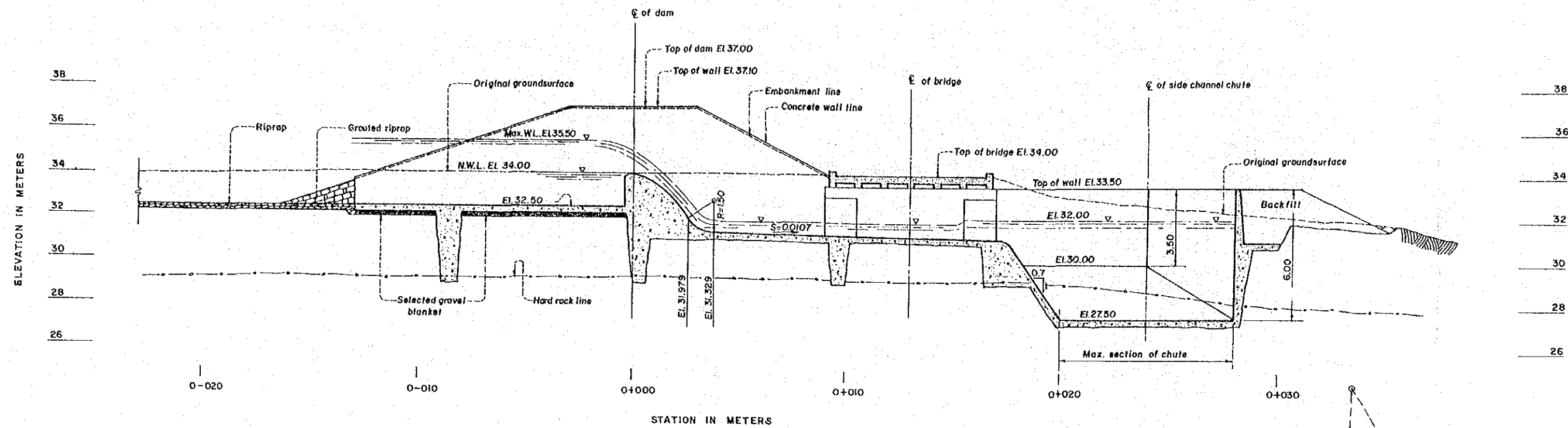


OUTLET WORKS (SIPHON TYPE)

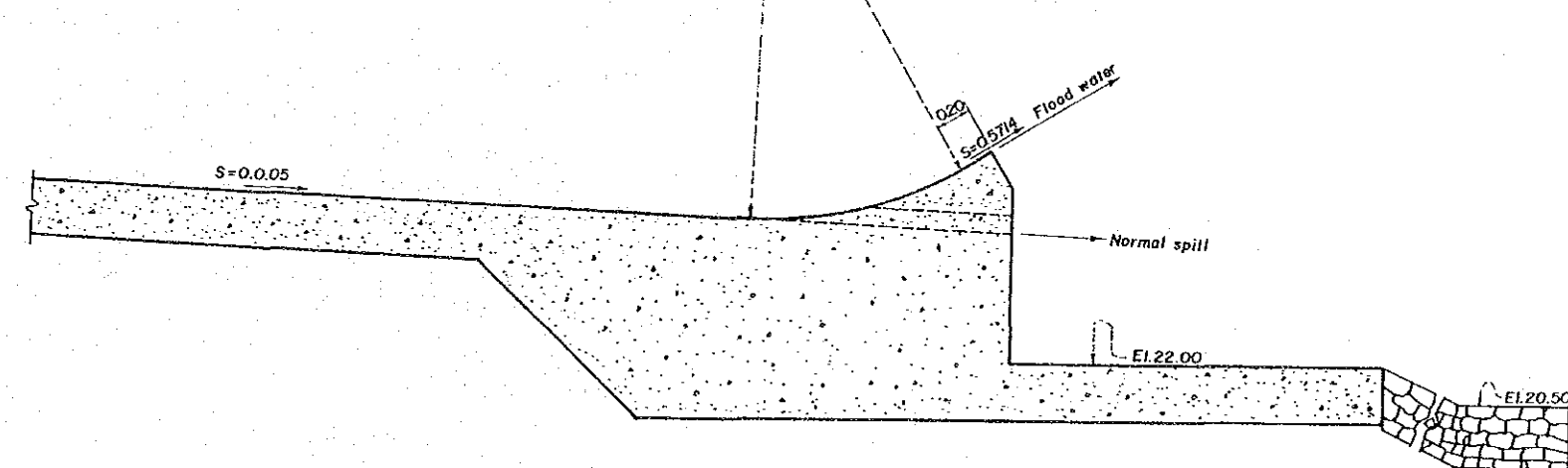
1:200



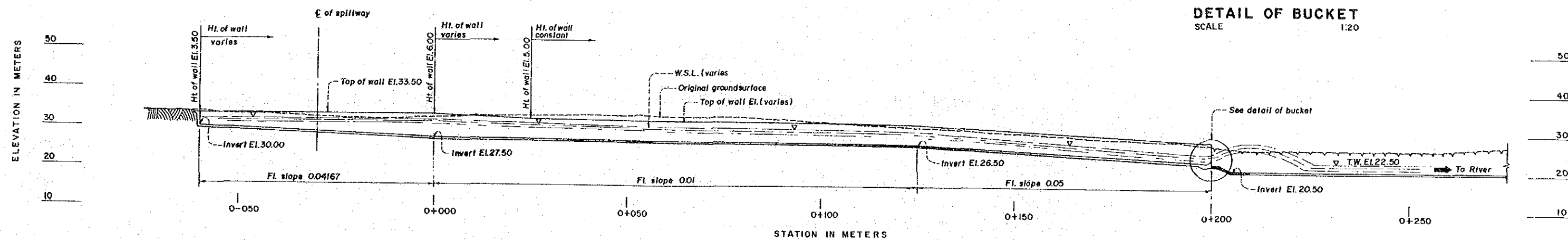
FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
CAPAYAS DAM SECTIONS OF INTAKE FACILITY	
DRAWING NO. DA.-9	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	



SECTION ALONG C OF SPILLWAY (SECTION S-S)
SCALE 1:100



DETAIL OF BUCKET
SCALE 1:20



SECTION ALONG SIDE CHANNEL CHUTE (SECTION C-C)
SCALE 1:500

0 0.4 0.8 1.2 1.6
SCALE 1:20

0 2 4 6 8
SCALE 1:100

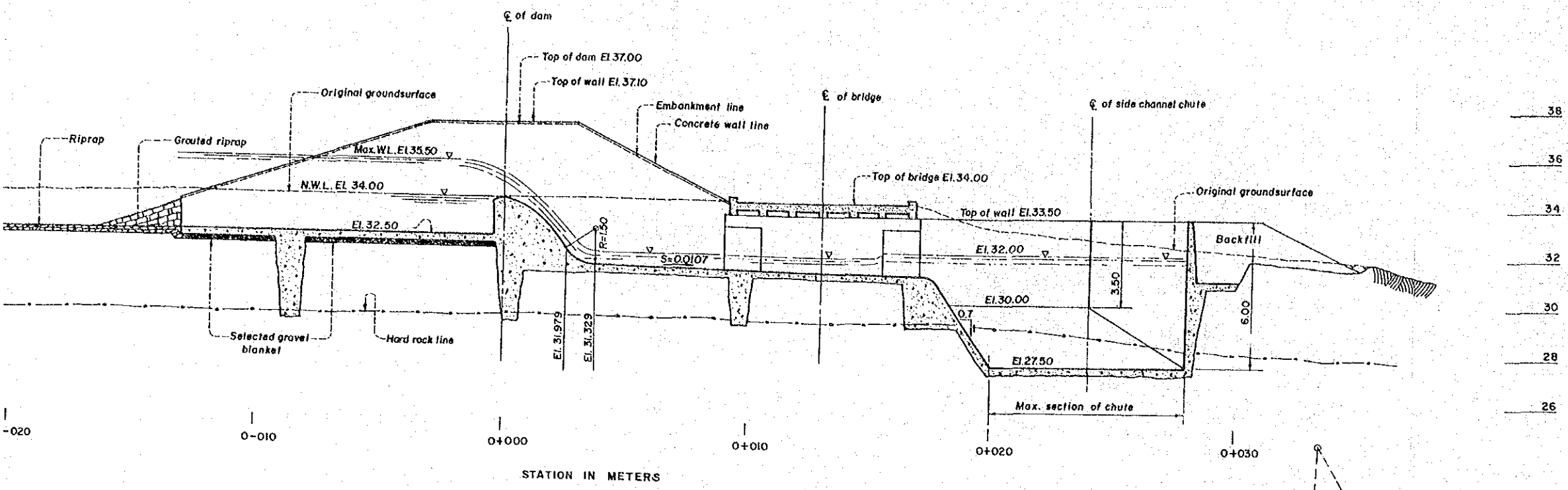
0 10 20 30 40 50
SCALE 1:500

FEASIBILITY STUDY
BOHOL IRRIGATION DEVELOPMENT
PHASE II

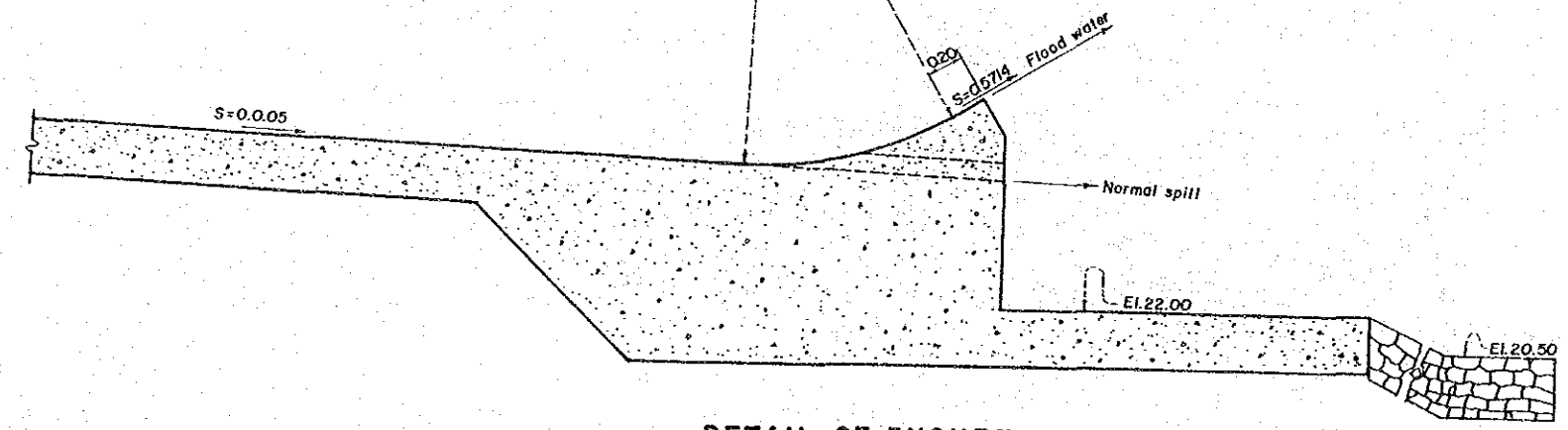
CAPAYAS DAM
DETAIL OF BUCKET
CHANNEL CHUTE AND SPILLWAY

DRAWING NO. DA-10 NOV

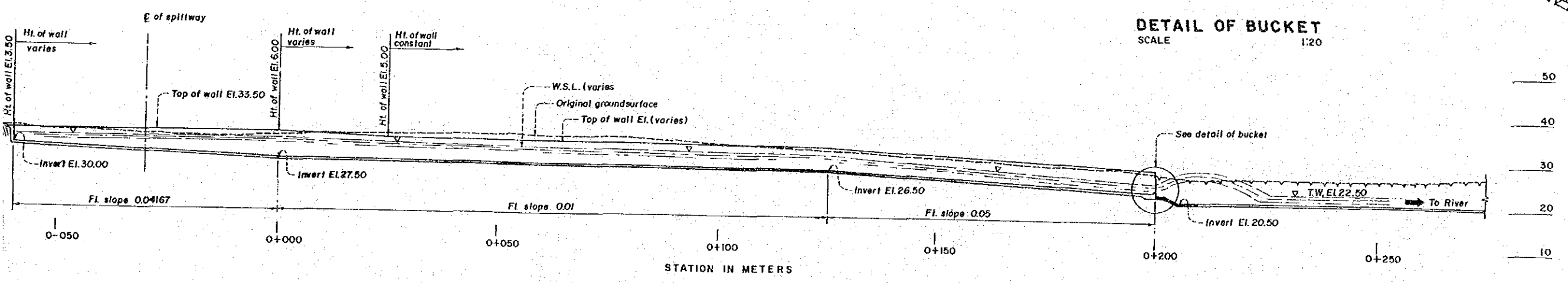
JAPAN INTERNATIONAL COOPERATION



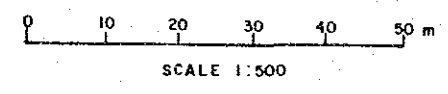
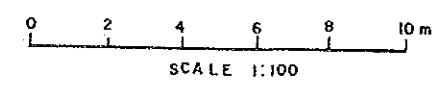
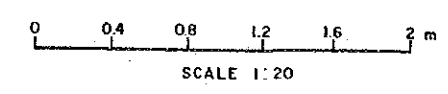
SECTION ALONG Q OF SPILLWAY (SECTION S-S)
SCALE 1:100



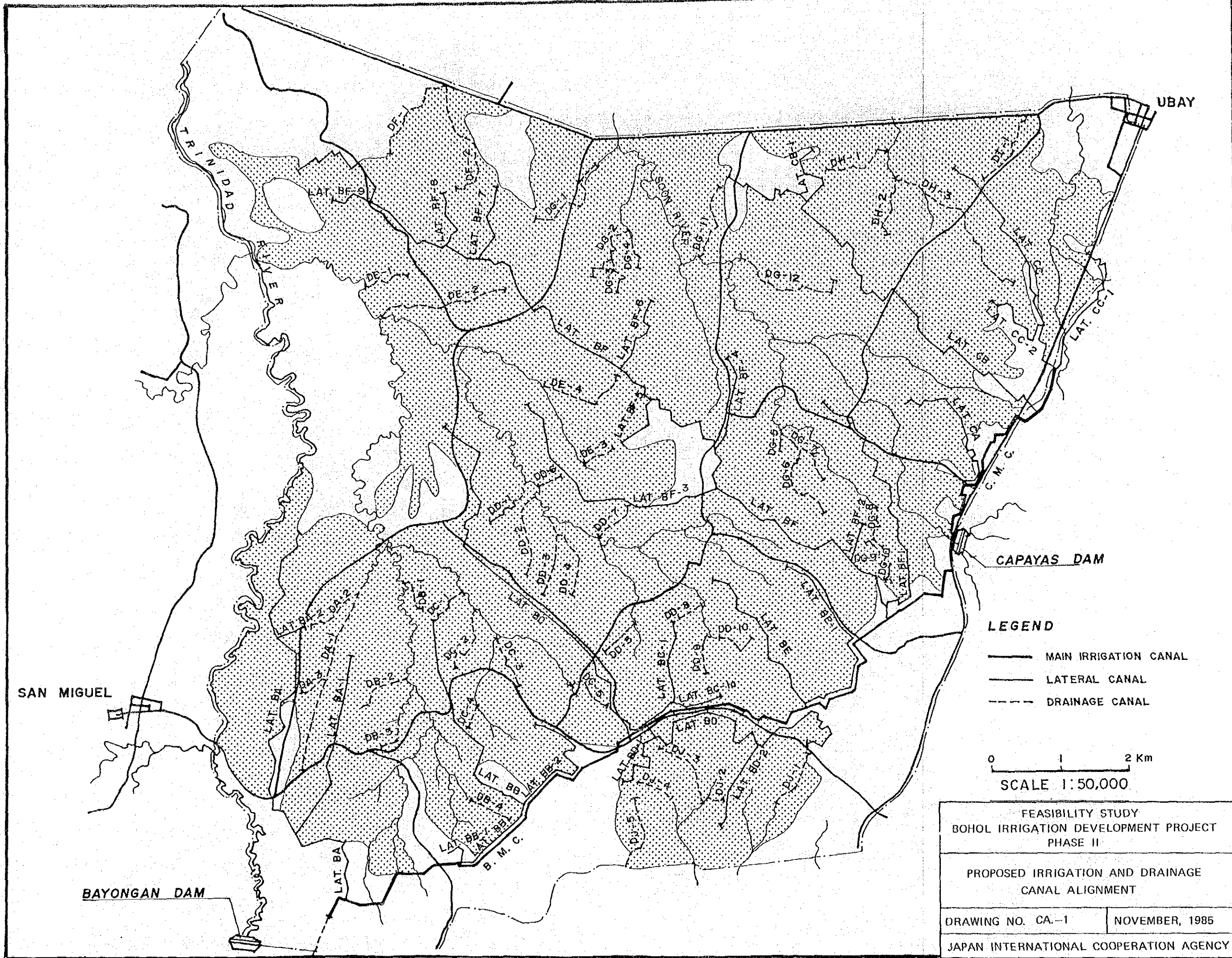
DETAIL OF BUCKET
SCALE 1:20



SECTION ALONG SIDE CHANNEL CHUTE (SECTION C-C)
SCALE 1:500



FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
CAPAYAS DAM DETAIL OF BUCKET CHANNEL CHUTE AND SPILLWAY SECTION	
DRAWING NO. DA-10	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	



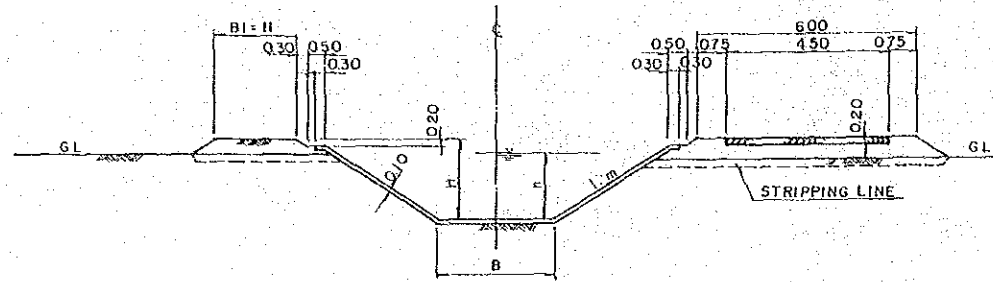
LEGEND

- MAIN IRRIGATION CANAL
- - - LATERAL CANAL
- DRAINAGE CANAL

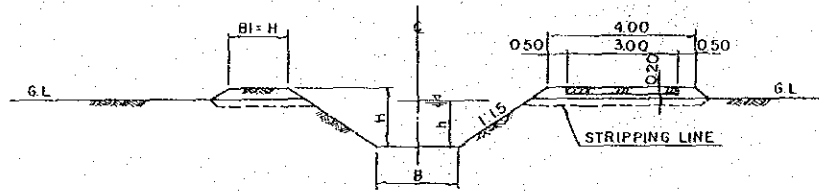
0 1 2 Km
SCALE 1:50,000

FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
PROPOSED IRRIGATION AND DRAINAGE CANAL ALIGNMENT	
DRAWING NO. CA-1	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	

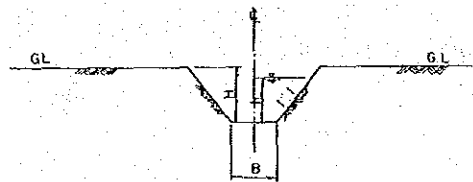
TYPICAL CANAL SECTIONS
S = 1:100



MAIN CANAL (LINED)



LATERAL CANAL (UNLINED)

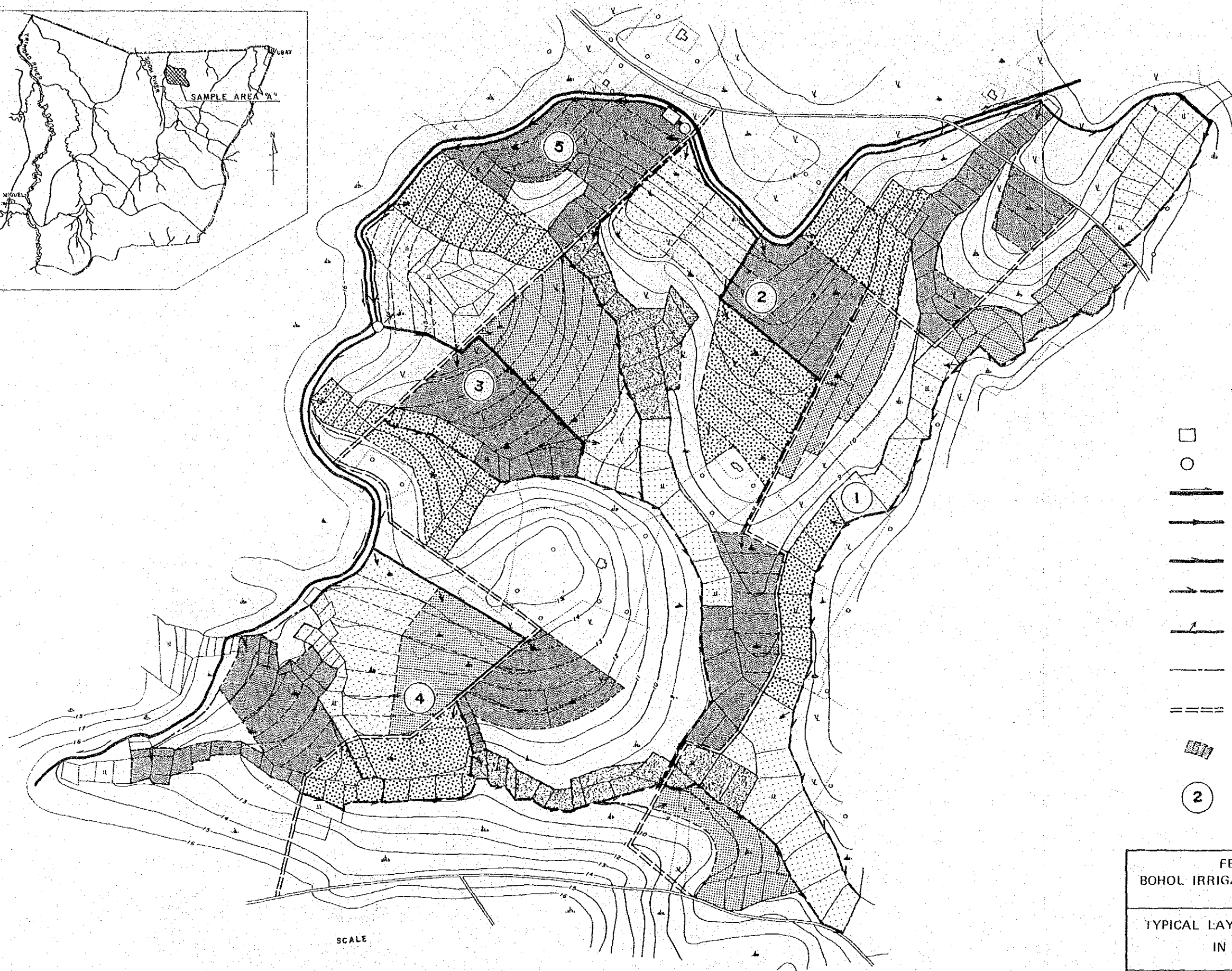
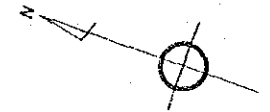
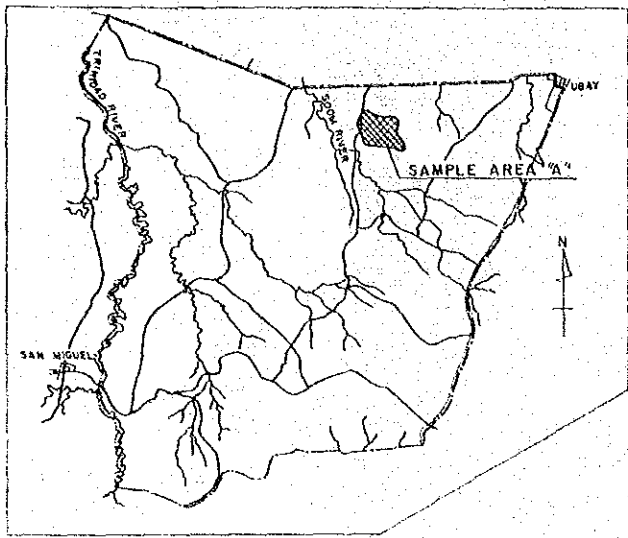


DRAINAGE CANAL (UNLINED)

CANAL DIMENSIONS

TYPE	DISCHARGE	B/H	n	L	m	B	H	V	h
MAIN CANAL									
LA	7.54 m ³ /s	2	0.015	1/7,000	1.5	3.30	2.30	0.807	1.627
LB	6.62	*	*	*	*	3.20	2.20	0.780	1.540
LC	5.99	*	*	*	*	3.10	2.10	0.761	1.480
LD	4.55	*	*	*	*	2.70	1.90	0.712	1.352
LE	4.09	*	*	*	*	2.60	1.90	0.693	1.298
LF	1.65	*	*	*	*	1.20	1.70	0.581	1.189
LG	1.65	*	*	1/3,000	*	1.00	1.50	0.798	1.022
LH	1.42	*	*	*	*	1.00	1.40	0.769	0.948
LI	0.57	*	*	*	*	0.70	1.00	0.612	0.677
IRRIGATION CANAL									
AND/OR SUB-LATERAL CANAL									
UA	2.44	2	0.025	1/3,000	1.5	2.20	1.60	0.571	1.108
UB	2.16 ~ 1.94	*	*	*	*	2.10	1.50	0.553 ~ 0.538	1.058 ~ 1.002
UC	1.87	*	*	*	*	2.00	1.40	0.534	1.001
UD	1.55	*	*	*	*	1.90	1.30	0.509	0.926
UE	1.34	*	*	*	*	1.80	1.20	0.491	0.877
UF	1.18 ~ 1.13	*	*	*	*	1.70	1.20	0.475 ~ 0.470	0.839 ~ 0.820
UG	1.01	*	*	*	*	1.60	1.20	0.457	0.792
UH	0.94 ~ 0.90	*	*	*	*	1.60	1.10	0.449 ~ 0.443	0.763 ~ 0.746
UI	0.92 ~ 0.76	*	*	*	*	1.50	1.10	0.447 ~ 0.425	0.773 ~ 0.701
UJ	0.72 ~ 0.50	*	*	1/3,000 ~ 1/5,000	*	1.40	1.00	0.420 ~ 0.316	0.699 ~ 0.661
UK	0.58 ~ 0.51	*	*	1/3,000	*	1.30	1.00	0.398 ~ 0.385	0.643 ~ 0.602
UL	0.50	*	*	*	*	1.30	0.90	0.383	0.596
UM	0.41 ~ 0.36	*	*	1/3,000 ~ 1/5,000	*	1.20	0.90	0.378 ~ 0.303	0.554 ~ 0.575
UN	0.30	*	*	1/4,000	*	1.10	0.90	0.303	0.525
UD	0.35 ~ 0.30	*	*	1/3,000	*	1.00	0.90	0.352 ~ 0.338	0.546 ~ 0.505
UP	0.28 ~ 0.25	*	*	1/3,000 ~ 1/3,500	*	1.00	0.80	0.332 ~ 0.304	0.488 ~ 0.479
UQ	0.24 ~ 0.20	*	*	1/3,000	*	0.90	0.80	0.320 ~ 0.305	0.468 ~ 0.426
UR	0.18 ~ 0.14	*	*	1/2,000 ~ 1/2,300	*	0.80	0.70	0.380 ~ 0.346	0.345 ~ 0.307
US	0.15 ~ 0.11	*	*	1/2,000	*	0.70	0.70	0.331 ~ 0.305	0.364 ~ 0.310
UT	0.10	*	*	1/1,800	*	0.60	0.70	0.311	0.304
UU	0.09	*	*	1/1,800	*	0.60	0.60	0.302	0.288
UV	0.10 ~ 0.06	*	*	1/1,000	*	0.50	0.60	0.389 ~ 0.339	0.280 ~ 0.215
UW	0.05 ~ 0.04	*	*	1/1,000	*	0.50	0.50	0.322 ~ 0.303	0.195 ~ 0.174
DRAINAGE CANAL									
A	0.87	1	0.040	1/3,000	1.0	1.20	1.50	0.326	1.141
B	0.81	*	*	*	*	1.10	1.50	0.320	1.133
C	0.72	*	*	*	*	1.00	1.40	0.311	1.068
D	0.68	*	*	1/2,000	*	1.00	1.30	0.357	0.968
E	0.65 ~ 0.62	*	*	*	*	0.90	1.30	0.353 ~ 0.349	0.980 ~ 0.957
F	0.46 ~ 0.41	*	*	1/5,000	*	0.80	1.10	0.360 ~ 0.350	0.798 ~ 0.754
G	0.40	*	*	*	*	0.70	1.10	0.348	0.777
H	0.35 ~ 0.27	*	*	1/1,000	*	0.60	1.00	0.392 ~ 0.367	0.691 ~ 0.608
I	0.26 ~ 0.24	*	*	*	*	0.60	0.90	0.364 ~ 0.357	0.597 ~ 0.574
J	0.21 ~ 0.19	*	*	1/750	*	0.50	0.90	0.384 ~ 0.375	0.530 ~ 0.505
K	0.17 ~ 0.16	*	*	*	*	0.50	0.80	0.364 ~ 0.359	0.477 ~ 0.463
L	0.14 ~ 0.13	*	*	1/500	*	0.40	0.80	0.404 ~ 0.397	0.421 ~ 0.406
M	0.12 ~ 0.09	*	*	*	*	0.40	0.70	0.389 ~ 0.361	0.390 ~ 0.338

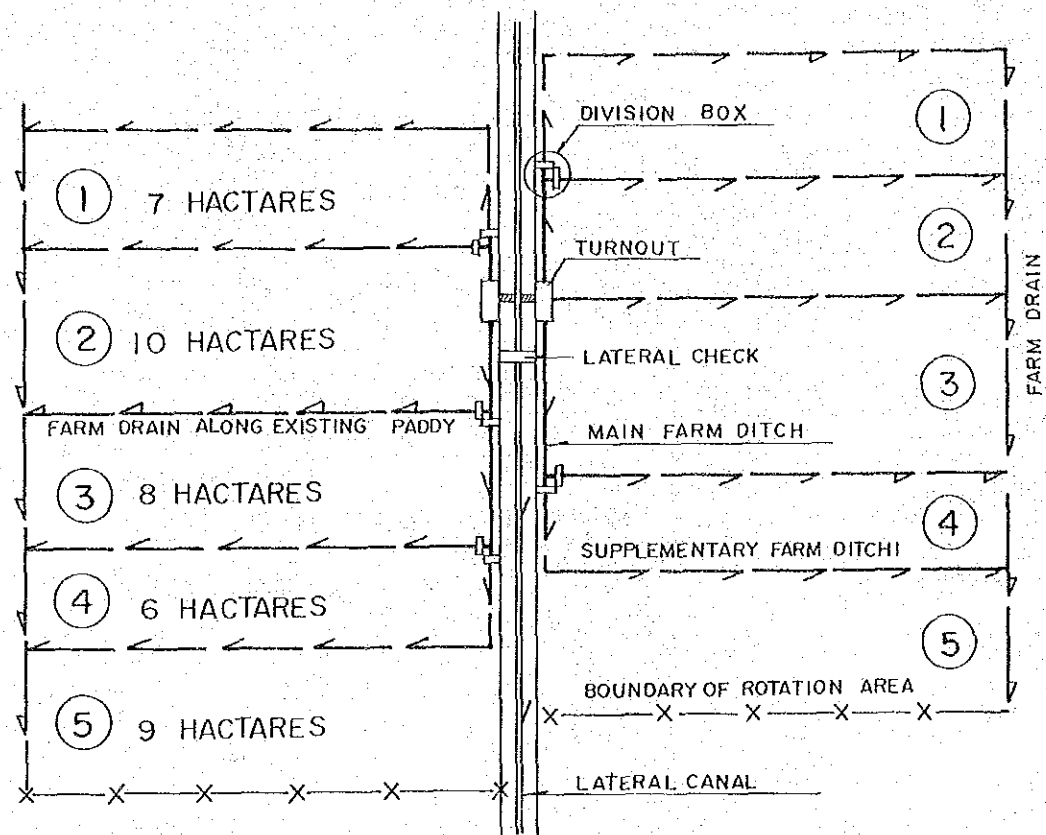
FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
TYPICAL CANAL SECTIONS	
DRAWING NO. CA-6	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	



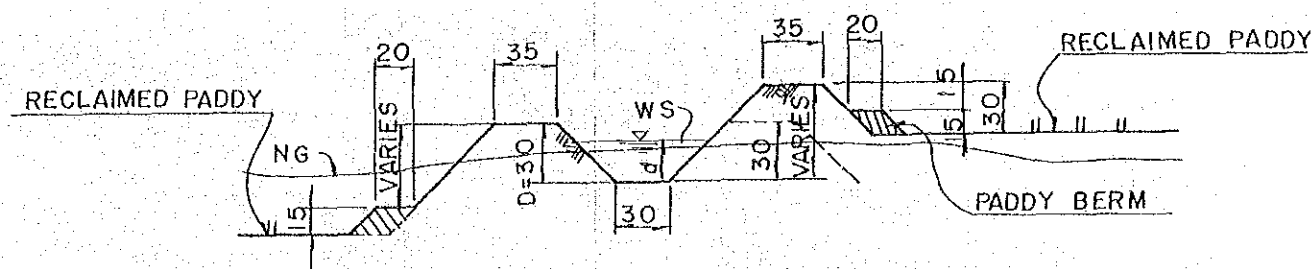
LEGEND

- TURNOUT
- DIVISION BOX
- LATERAL CANAL
- MAIN FARM DITCH
- SUPPLEMENTARY FARM DITCH
- FARM DRAIN
- FARM TURNOUT
- INTERNAL DITCH
- FARM ROAD
- ▨ PROPOSED IRRIGATION UNIT
- ② ROTATION UNIT

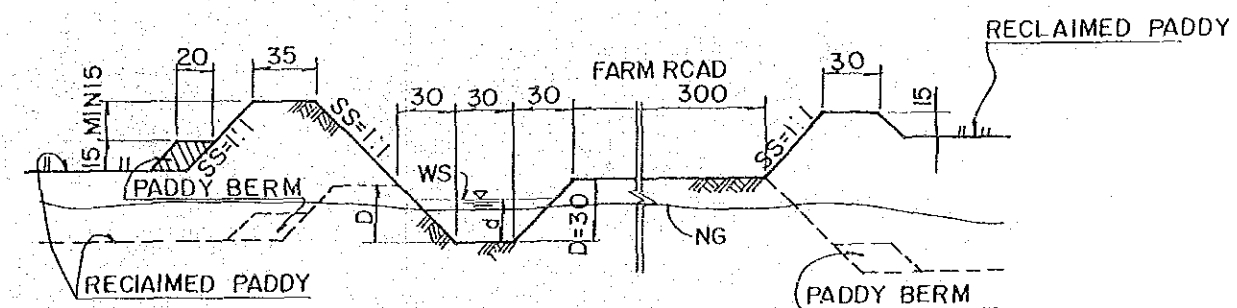
FEASIBILITY STUDY BOHOL IRRIGATION DEVELOPMENT PROJECT PHASE II	
TYPICAL LAYOUT OF ON-FARM FACILITIES IN SAMPLE AREA "A"	
DRAWING NO. OF-1	NOVEMBER, 1985
JAPAN INTERNATIONAL COOPERATION AGENCY	



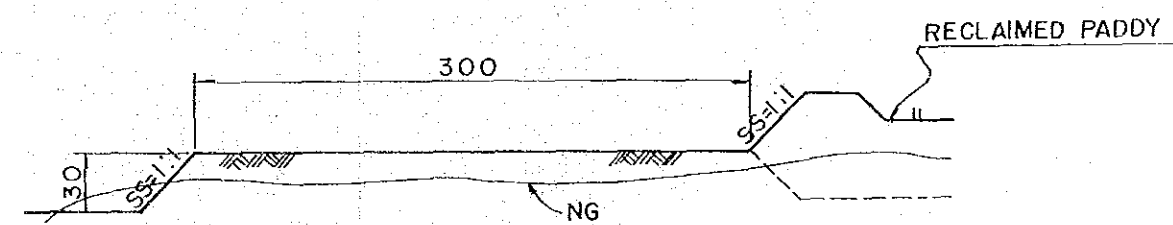
LAYOUT OF TWO ROTATION AREAS



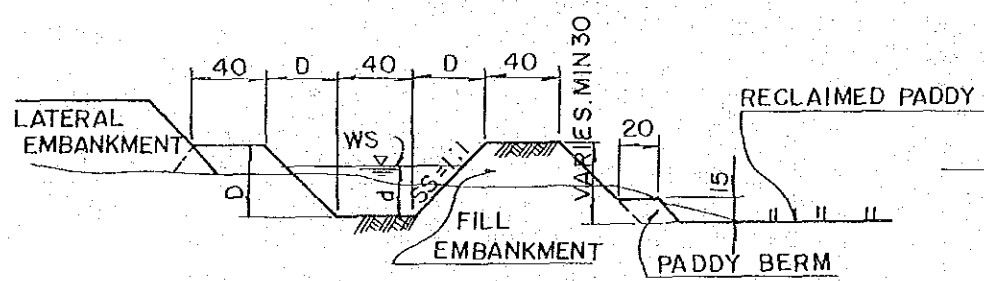
SUPPLEMENTARY FARM DITCH IN THE RECLAIMED AREA A



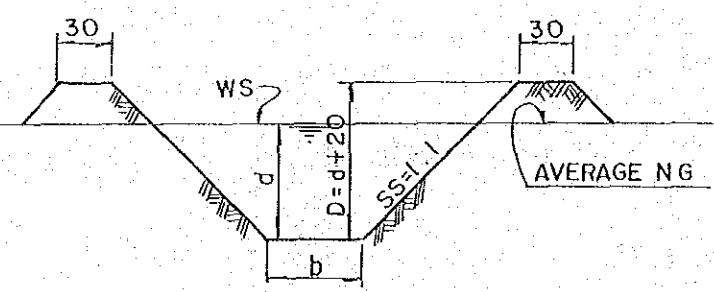
SUPPLEMENTARY FARM DITCH AND FARM ROAD



FARM ROAD

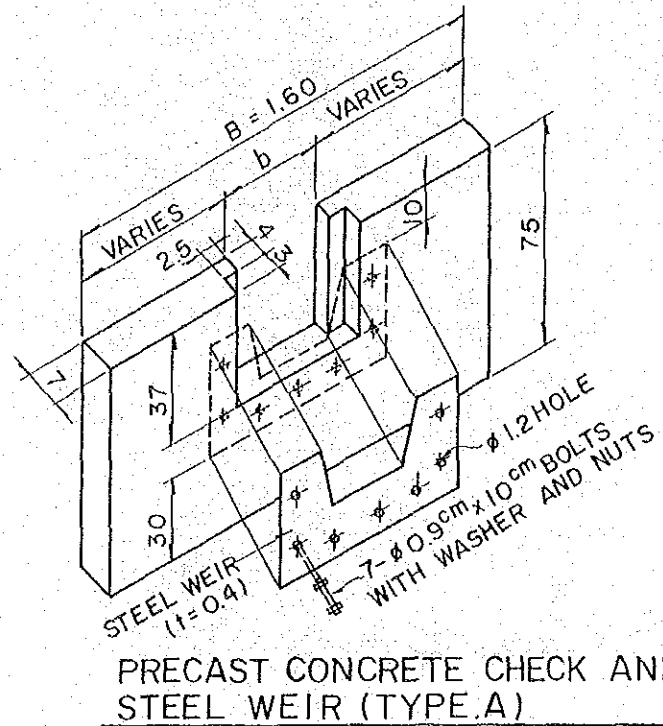
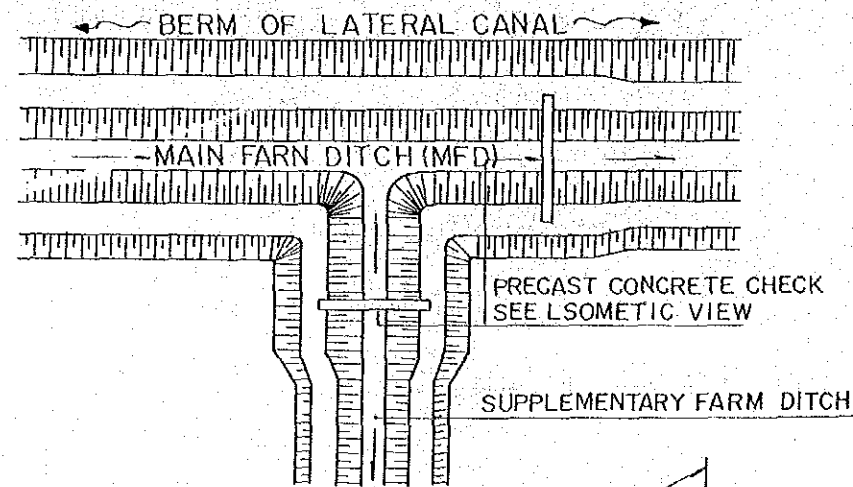


MAIN FARM DITCH ADJACENT TO LATERAL



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
JAPAN INTERNATIONAL COOPERATION AGENCY	

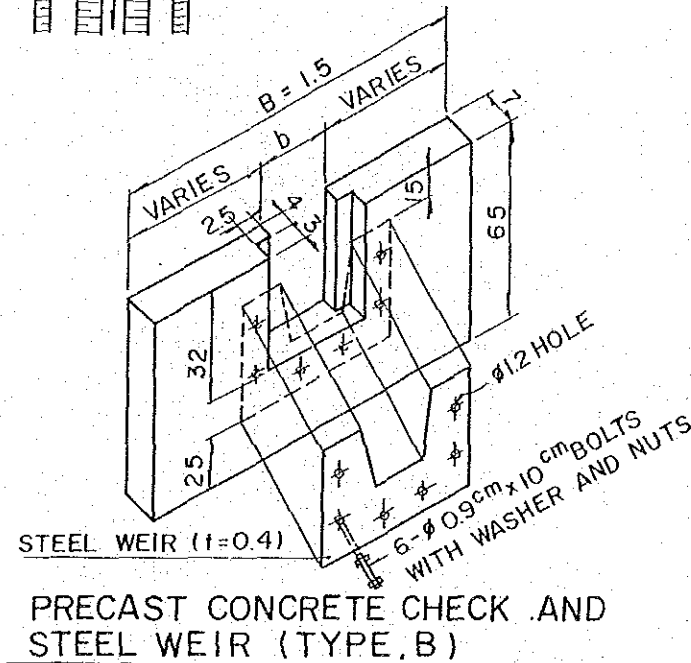


DISCHARGE OF WEIR (LITRE/SEC)
 $Q = 1.86 \cdot L \cdot H^{\frac{3}{2}}$

HEAD H(cm)	LENGTH OF WEIR (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 \geq	40	20

DEMENSION OF TYPE.B

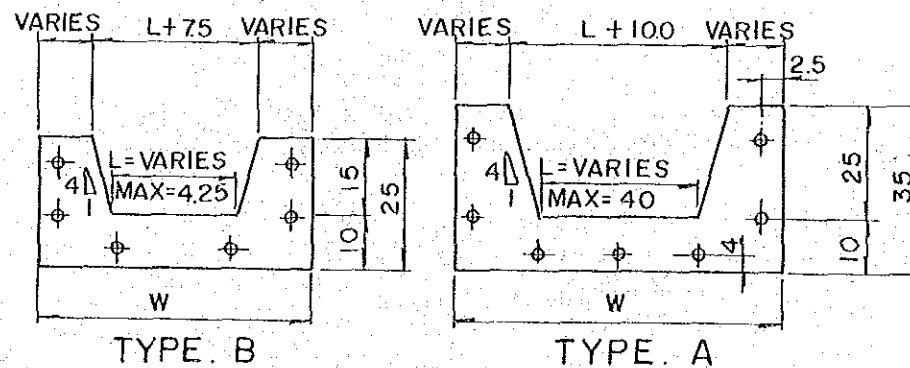


L	W	b
40 ~ 30 +	70	50
30 ~ 20 +	60	40
20 ~ 10 +	50	30
10 \geq	40	20

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 2.183L/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
JAPAN INTERNATIONAL COOPERATION AGENCY	

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