

4-2 Explanation for Draft Final Report

Minutes of Discussions
on
The Draft Final Report of the Basic Design
for
The Highland Integrated Rural Development Project
in
La Trinidad, Province of Benguet, Philippines

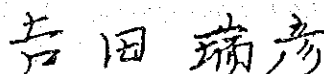
In response to the request made by the Government of the Republic of the Philippines, the Government of Japan decided to conduct a basic design study on the Highland Integrated Rural Development Project (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (JICA). JICA sent to the Republic of the Philippines the study team December 20, 1988 to January 28, 1989.

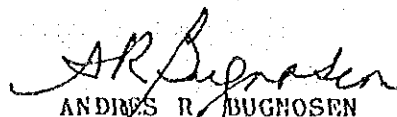
As a result of the study, JICA prepared a draft report and sent a mission, headed by Mr. Mitsuhiro Yoshida, Director, the Land Improvement Technical Service Center, Kyushu Regional Agricultural Administration Office, Ministry of Agriculture, Forestry and Fisheries to explain and discuss it from April 3 to 12, 1989.

The team had series of discussions on the Project with the officials concerned of the Provincial Government of Benguet headed by Hon. Dr. Andres R. Bugnosen, Provincial Governor.

After clarifying its contents, both parties had agreed to recommend to their respective Governments and authorities concerned that the major points of understanding reached between them, attached herewith, should be examined towards the realization of the Project.

April 10, 1989
Province of Benguet


MITSUHIKO YOSHIDA
Leader
Draft Report Team of
Basic Design Study
JICA


ANDRES R. BUGNOSEN
Provincial Governor
Province of Benguet

Major Points of Understanding:

1. The Philippines side agreed in principle to the basic design proposed in the Draft Final Report.
2. The Philippines side understood the system of Japan's Grant Aid Program and confirmed the arrangements to be taken by the Philippines side for the realization of the Project as agreed upon in the "Minutes of discussions" dated January 19, 1988.
3. The Final Report on the Project will be submitted to the Republic of the Philippines in May 1989.

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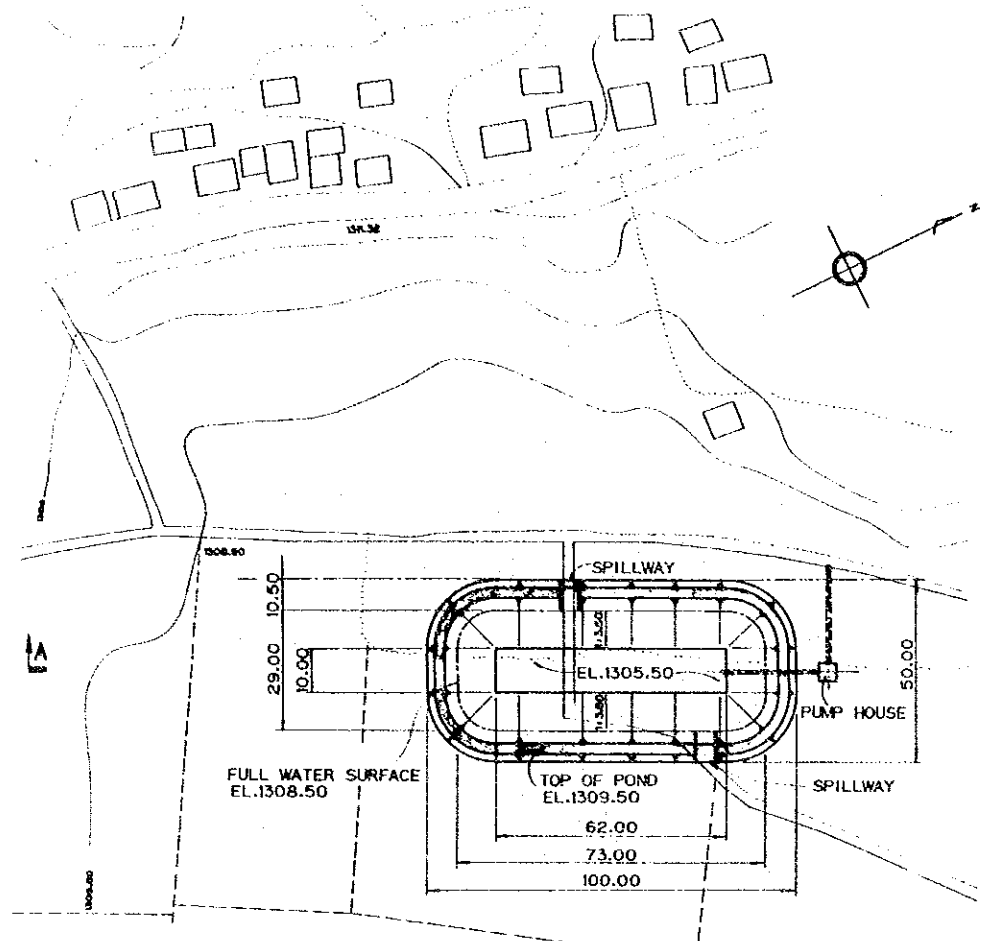
H. Regner

Drawings

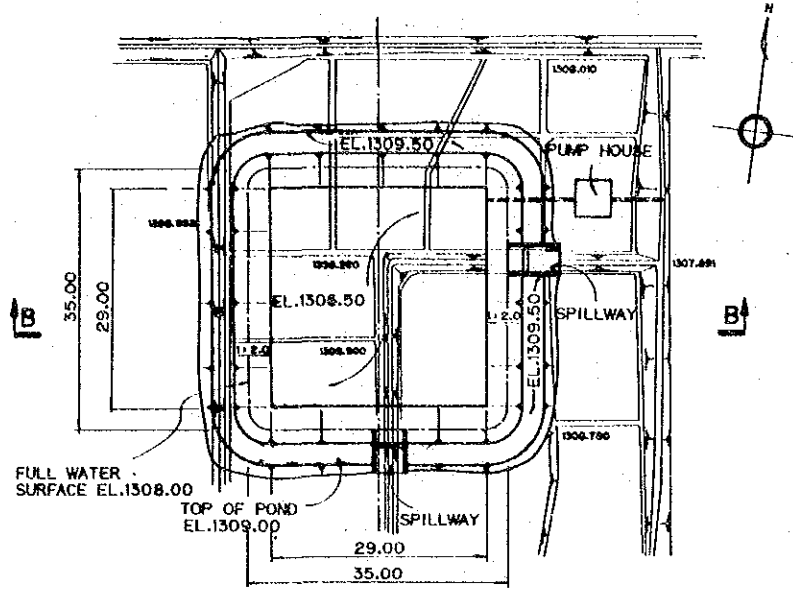
LIST OF DRAWINGS

DWG.NO.	TITLE
1	Plan and Standard Section of Pond (1)
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3	Plan and Standard Section of Pond (3)
4	Plan and Standard Section of Pond (4)
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6	Plan and Standard Section of Intake Works (1)
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21	Plan of Road Improvement (Camp Dangwa - Alno) (2) (Samuyao - Alapang Proper)
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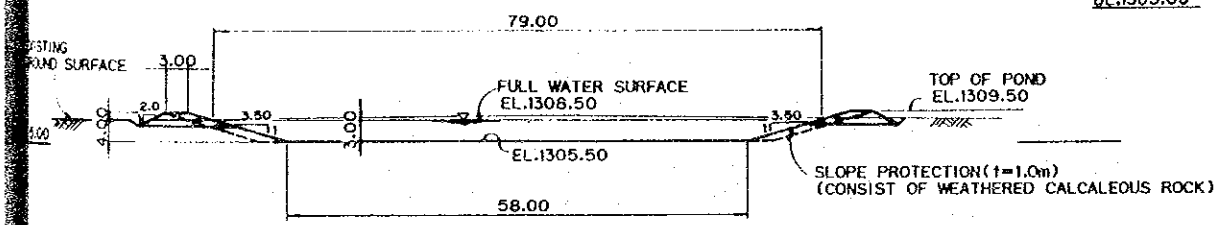
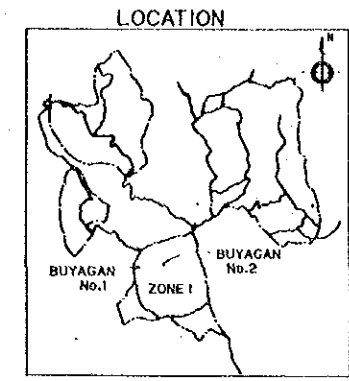
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23	Plan of Road Improvement (Tomey - Bahong Proper) (Camp Dangwa - Mae Bahong)
24	Plan of Road Improvement (West Alno - East Alno)
25	Plan of Road Improvement (Capitol - Bineng Proper - Yapos) (1)
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28	Plan of New Road (Bineng) (Peril - Alno)
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40	Plan of Bolo Creek Improvement (2)
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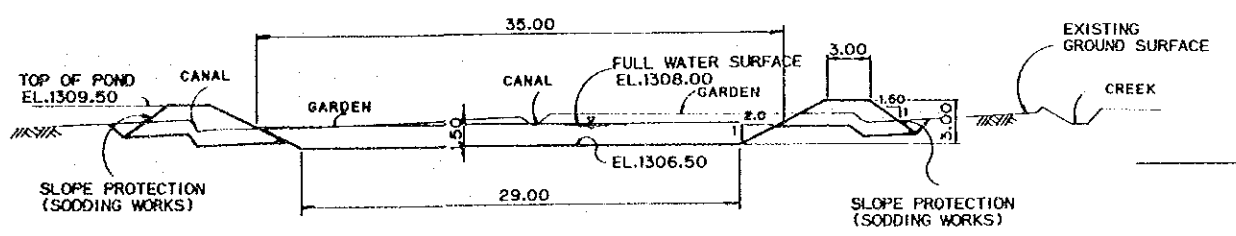
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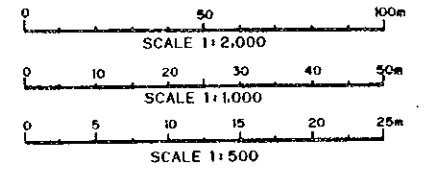
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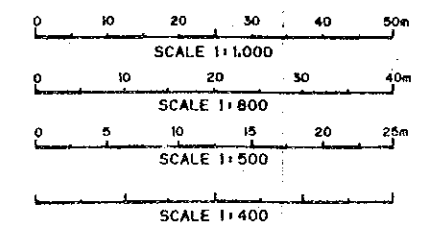
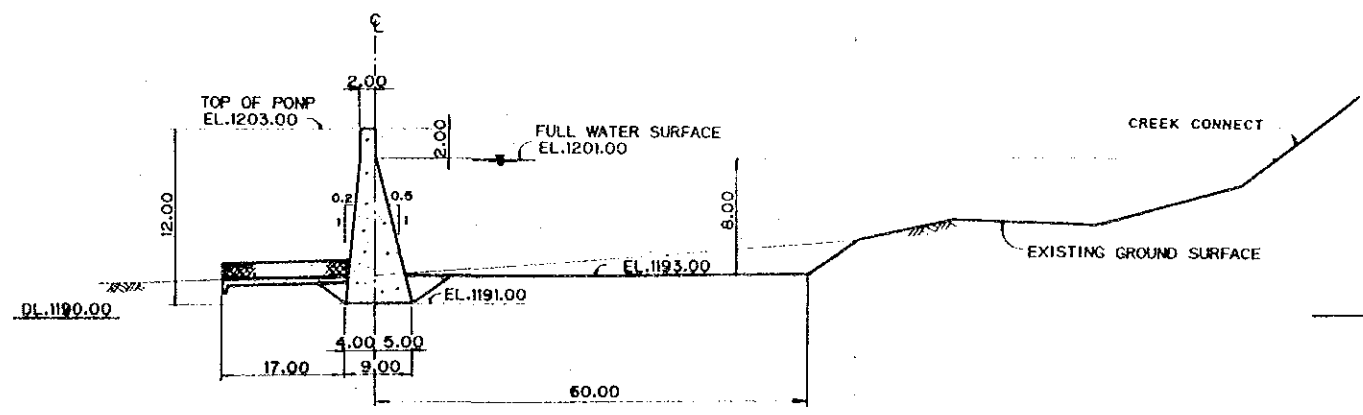
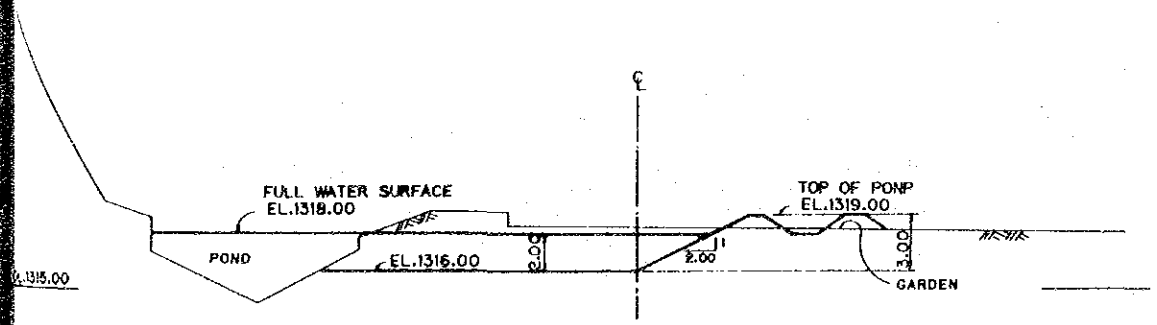
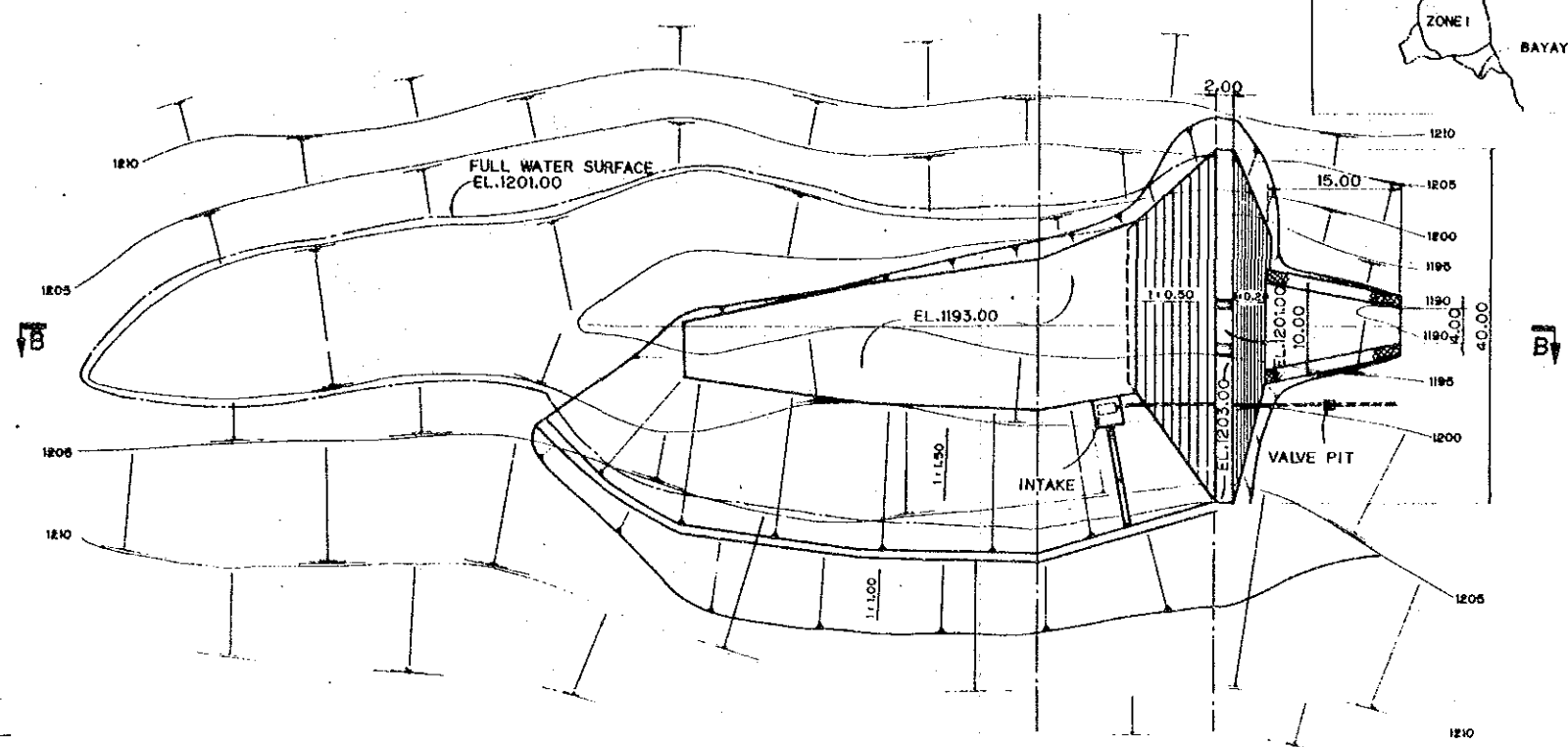
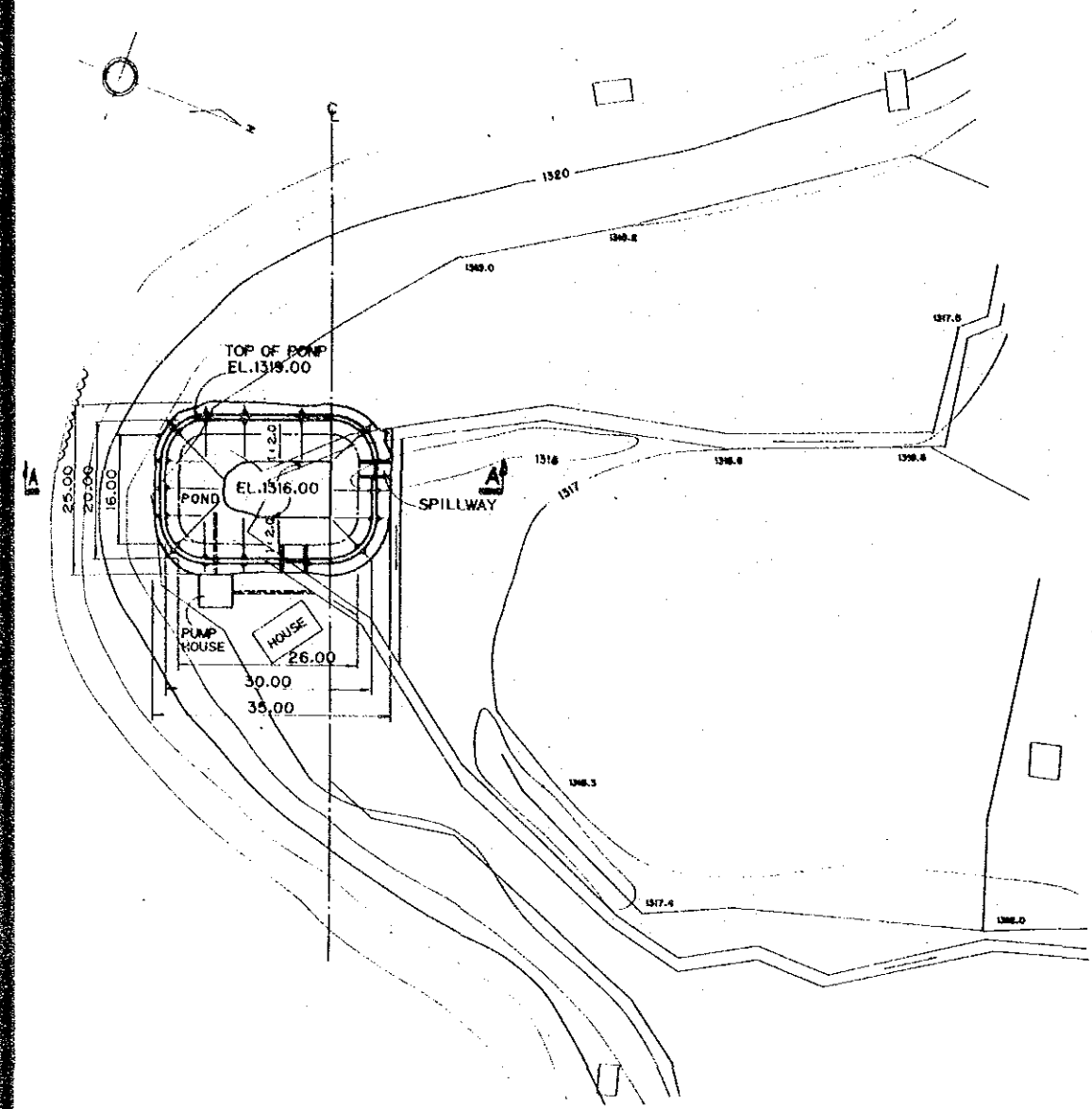
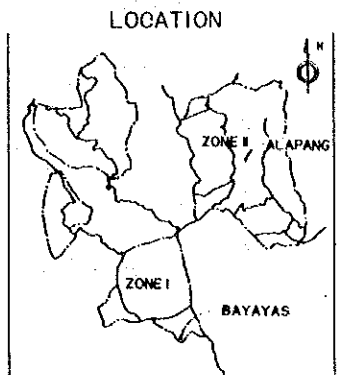
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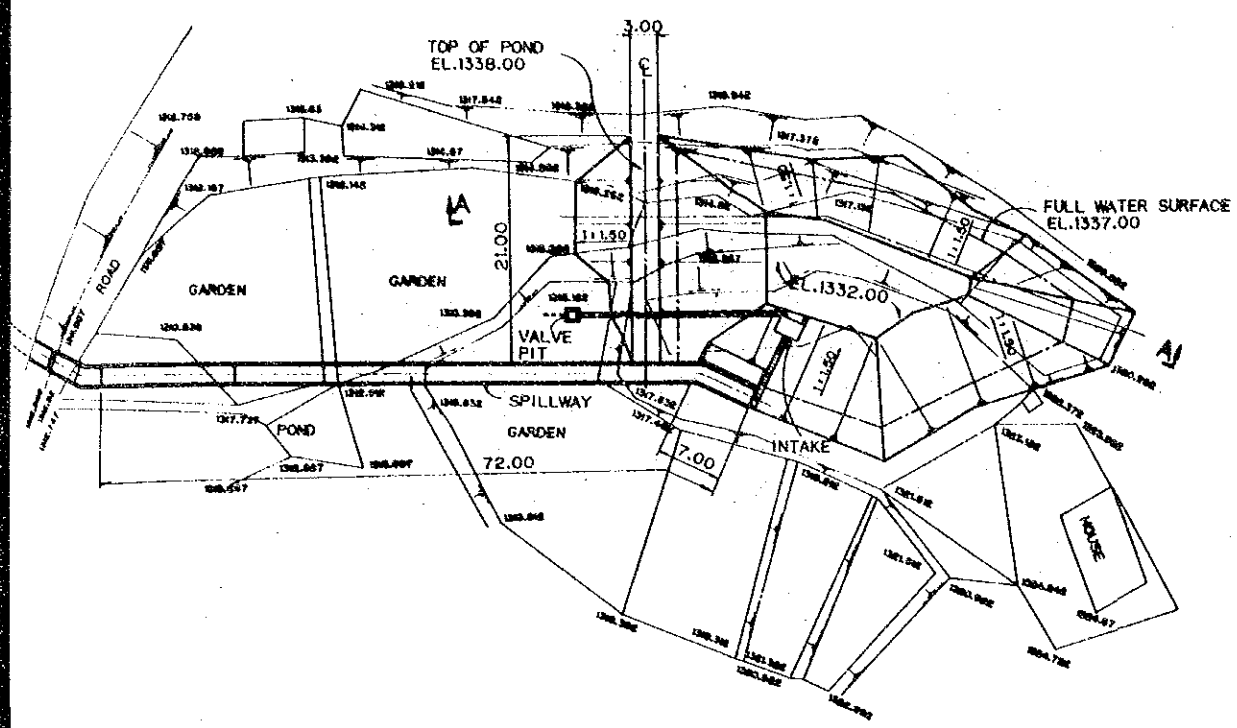
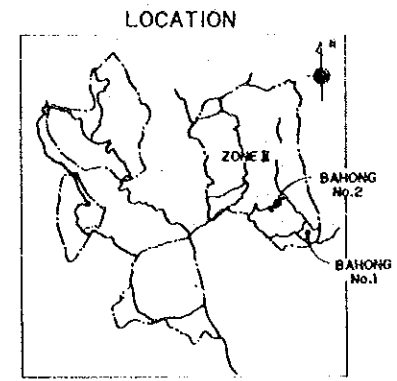
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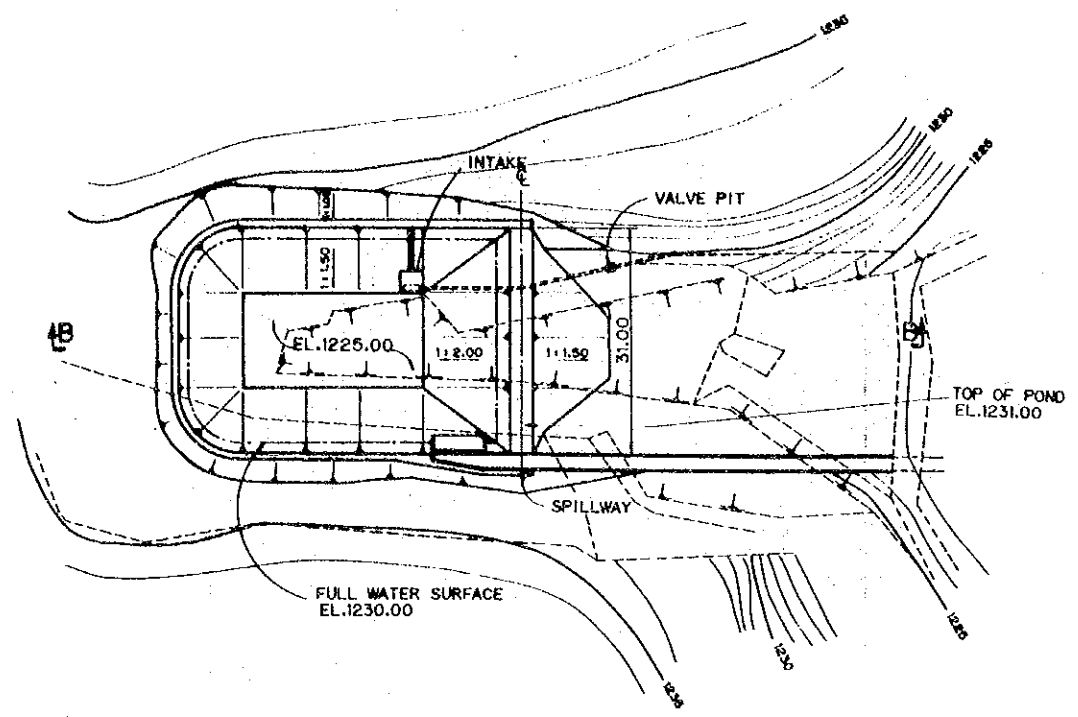
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THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
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DATE	D. W. G. NO.	1
JAPAN INTERNATIONAL COOPERATION AGENCY		



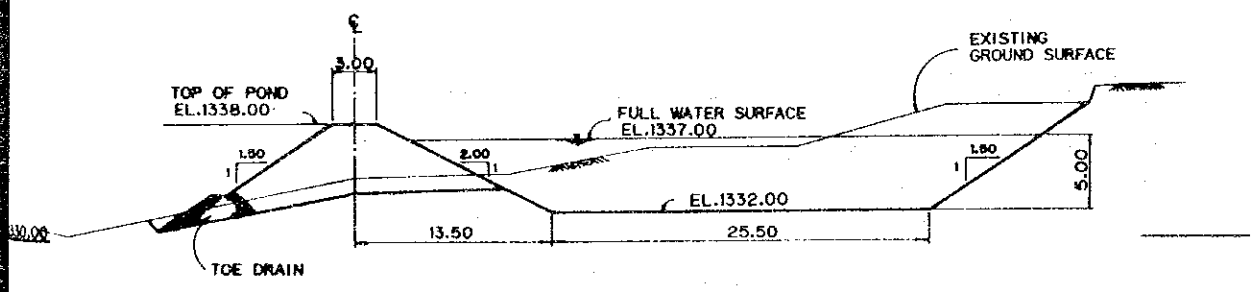
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JAPAN INTERNATIONAL COOPERATION AGENCY	



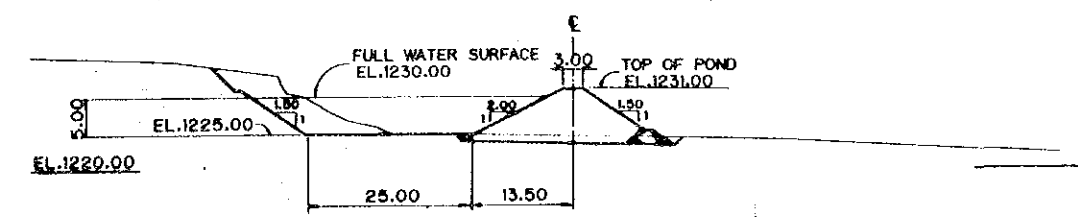
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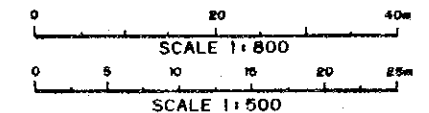
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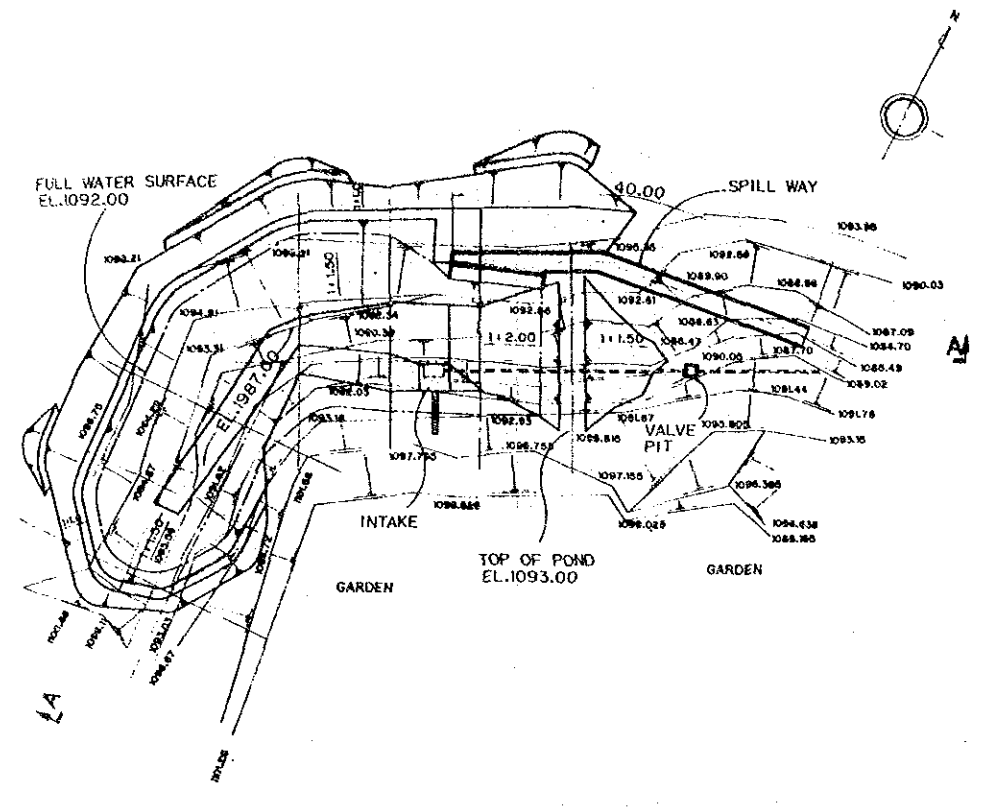
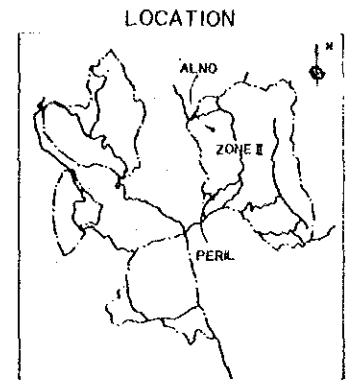
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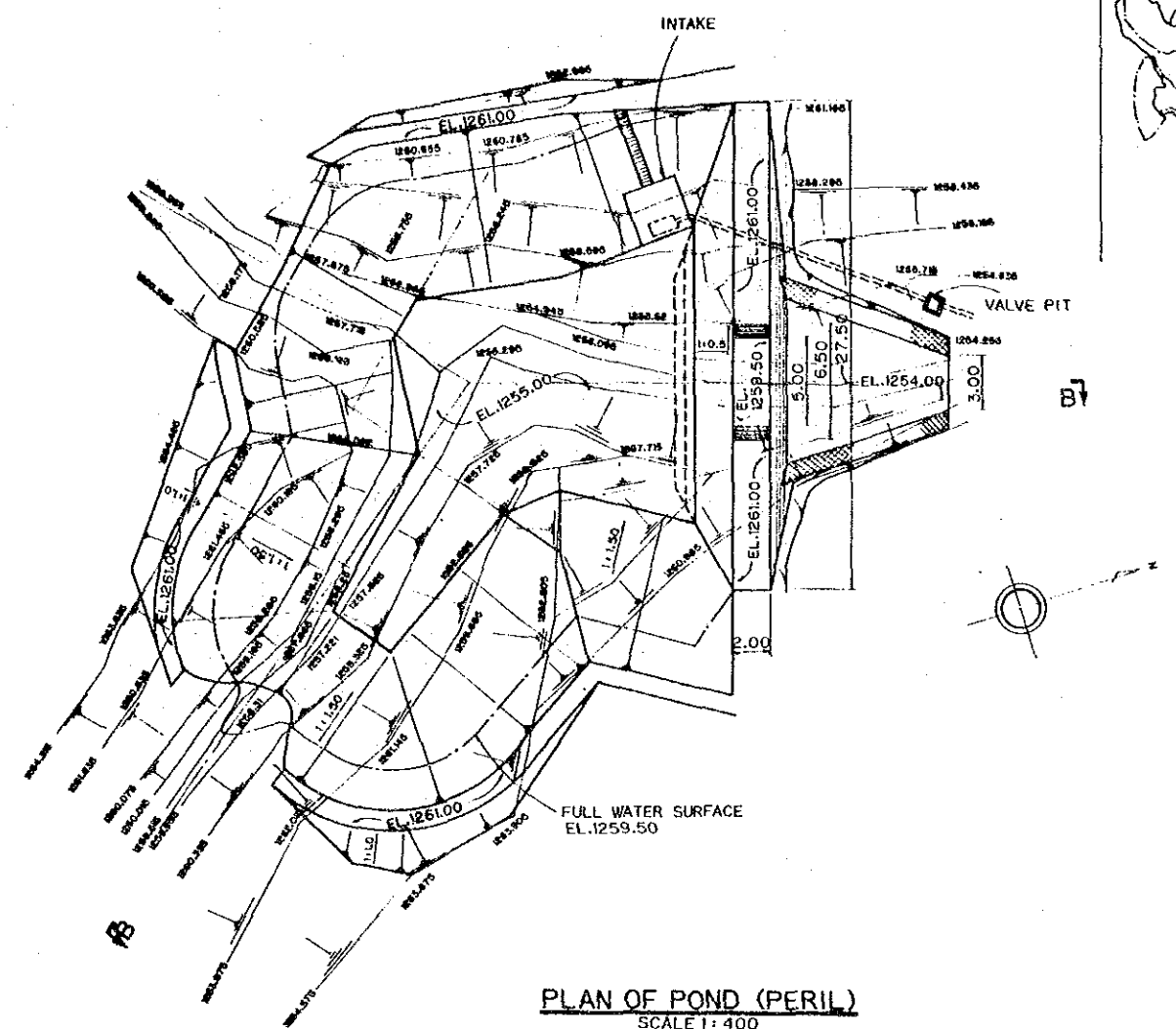
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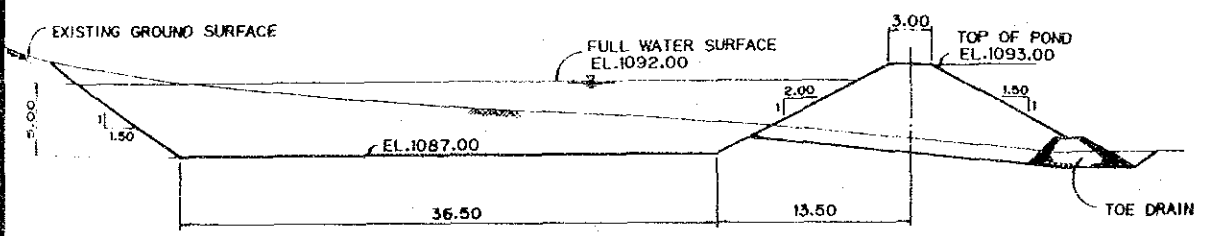
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THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
PLAN AND STANDARD SECTION OF POND (3)	
DATE	D.W.G. NO. 3
JAPAN INTERNATIONAL COOPERATION AGENCY	



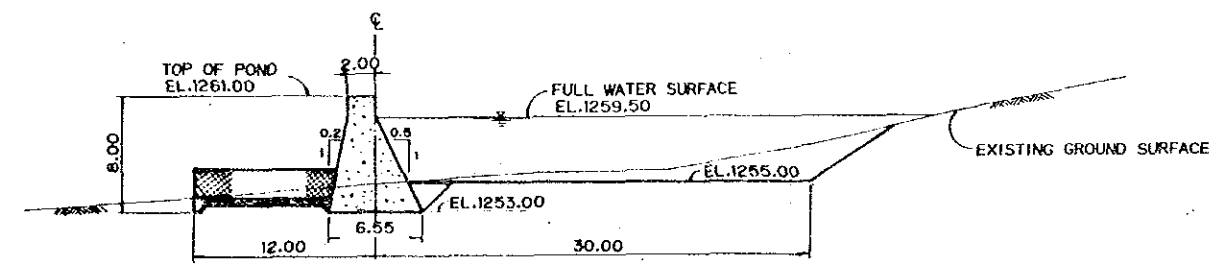
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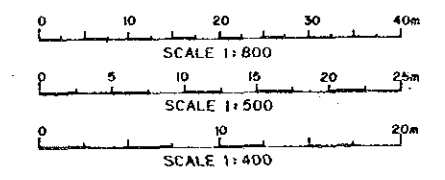
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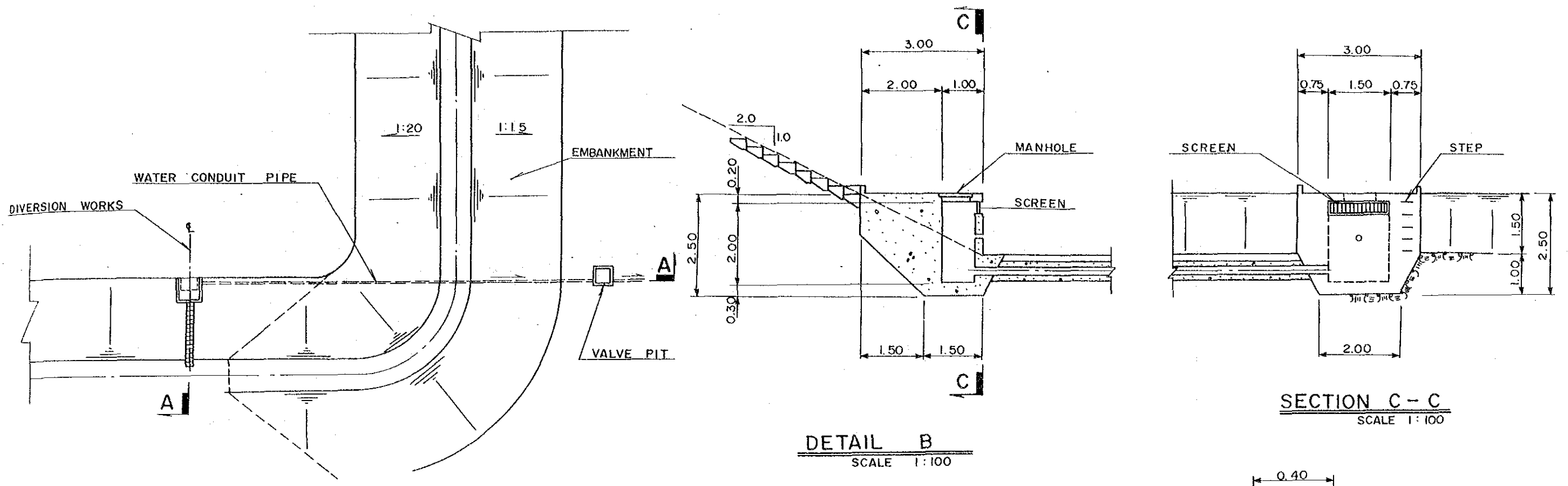
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SECTION B-B
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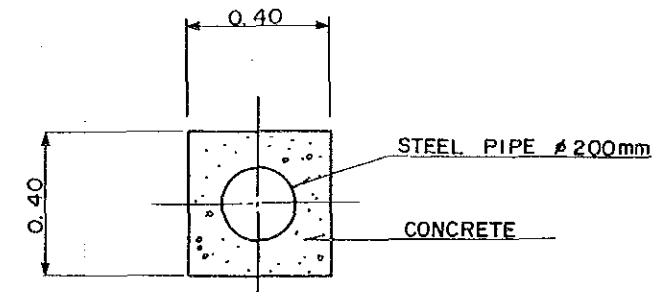
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PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
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DATE	D.W.G. NO. 4
JAPAN INTERNATIONAL COOPERATION AGENCY	



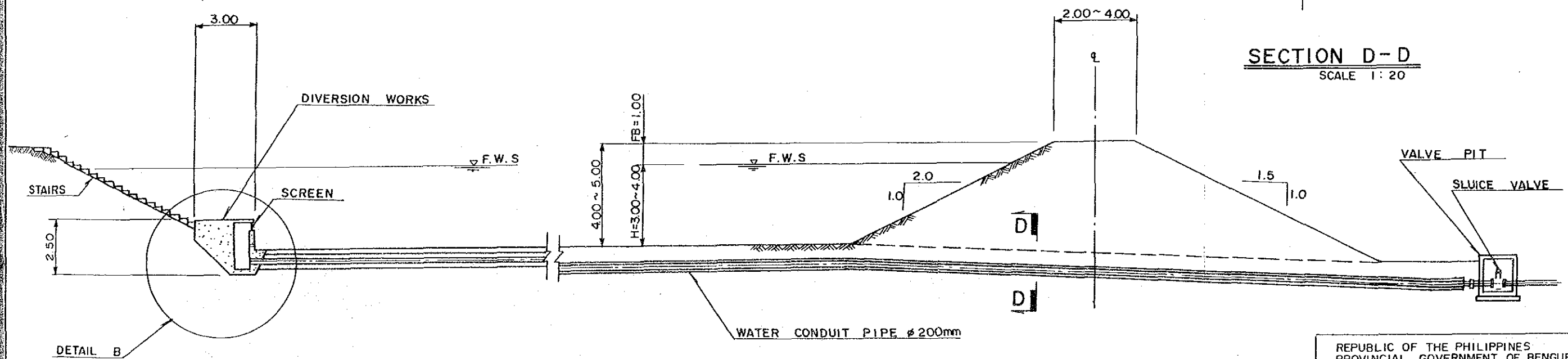
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DETAIL B
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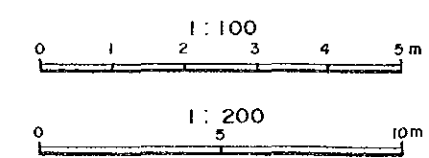
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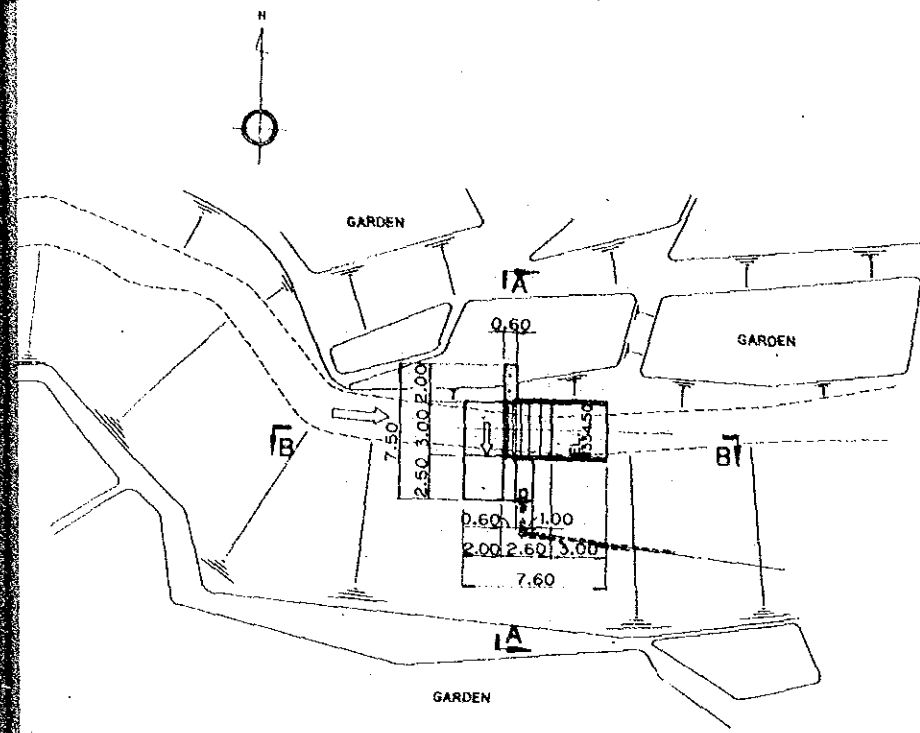
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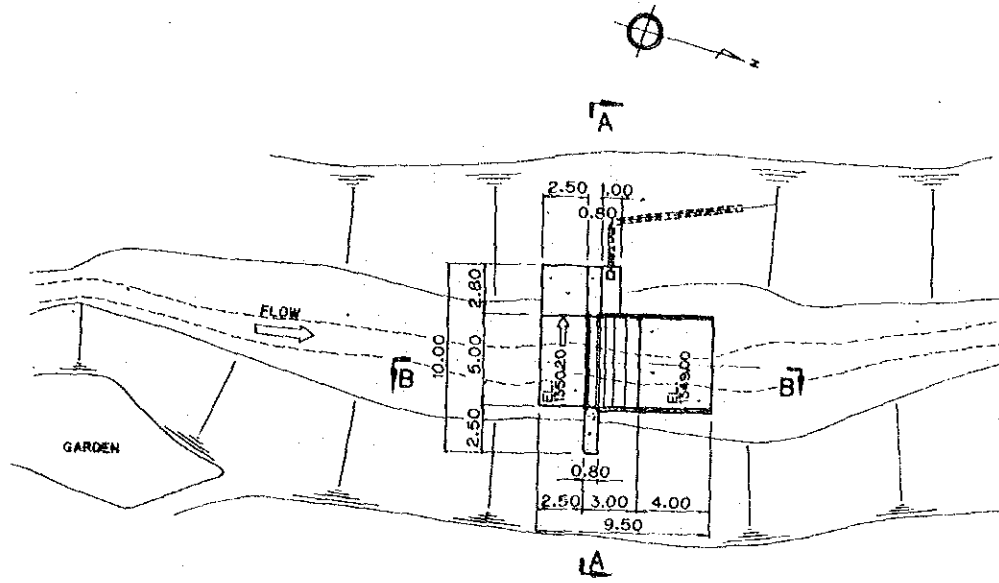
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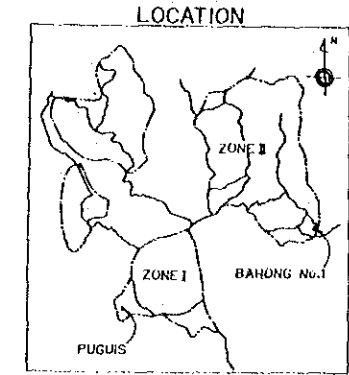
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
INTAKE FACILITIES OF PONDS		
DATE	D.W.G. NO.	5
JAPAN INTERNATIONAL COOPERATION AGENCY		



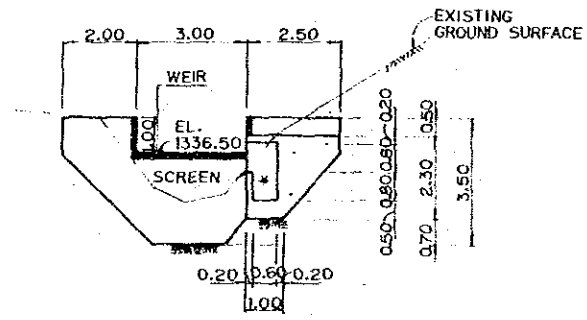
PLAN OF PUGUIS INTAKE WEIR
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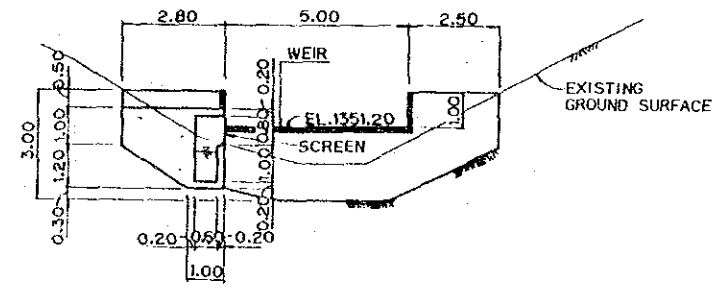
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SCALE 1:400



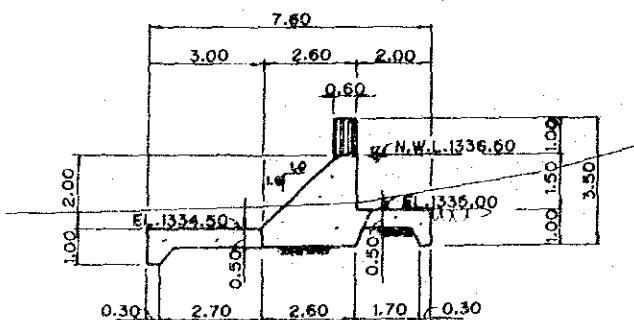
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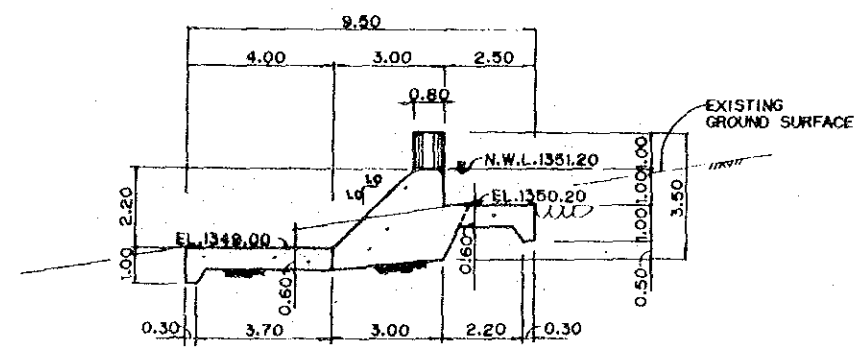
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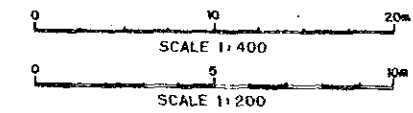
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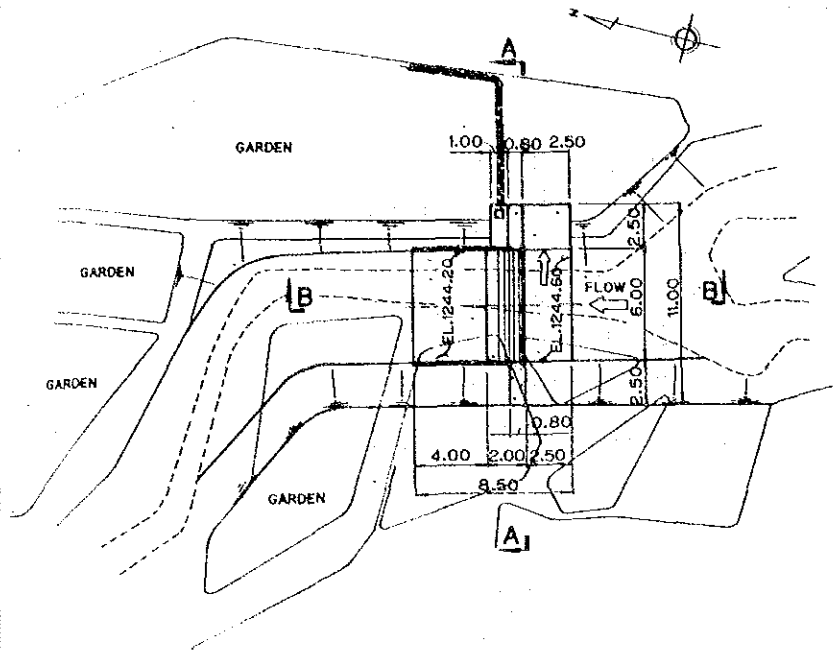
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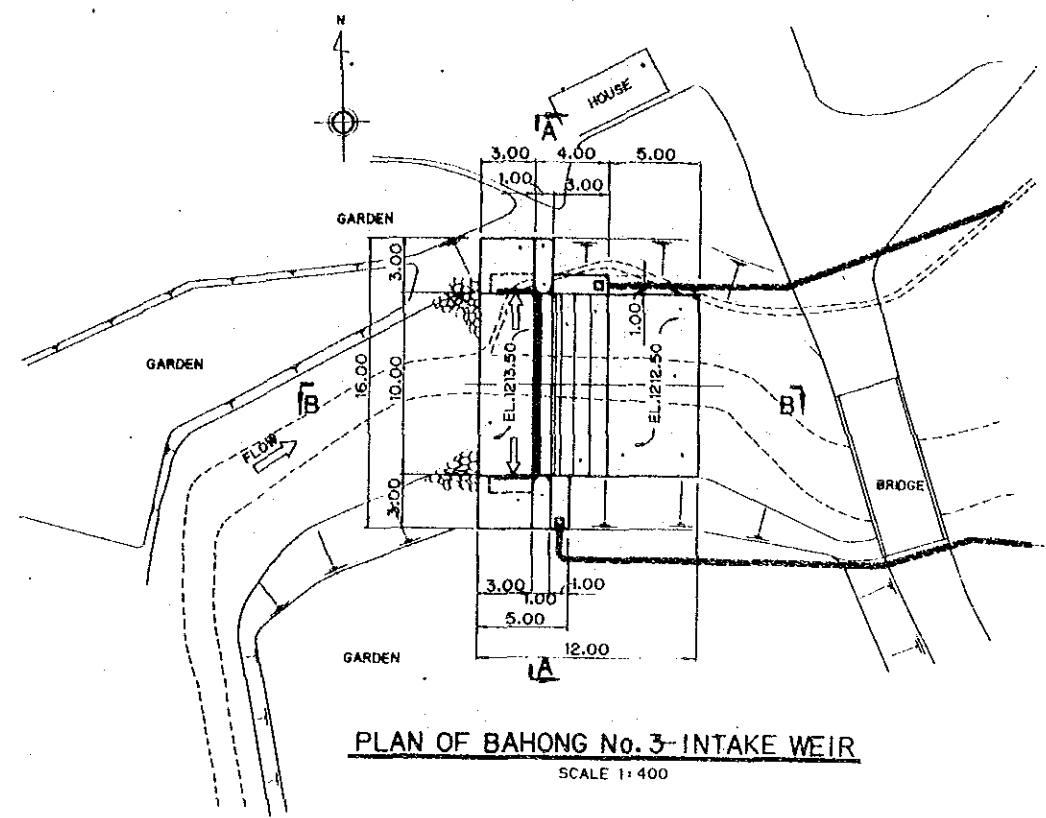
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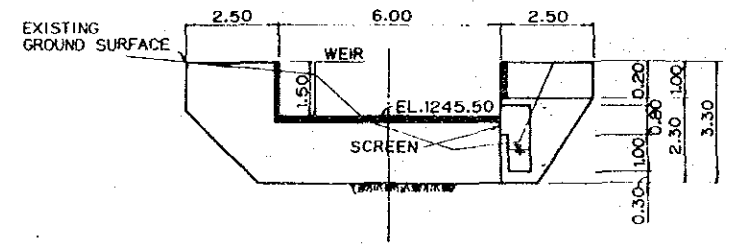
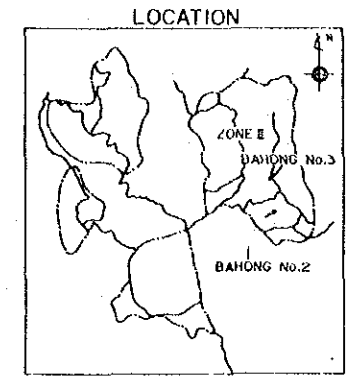
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PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN AND STANDARD SECTION OF INTAKE WORKS(1)		
DATE	D.W.G. NO.	6
JAPAN INTERNATIONAL COOPERATION AGENCY		



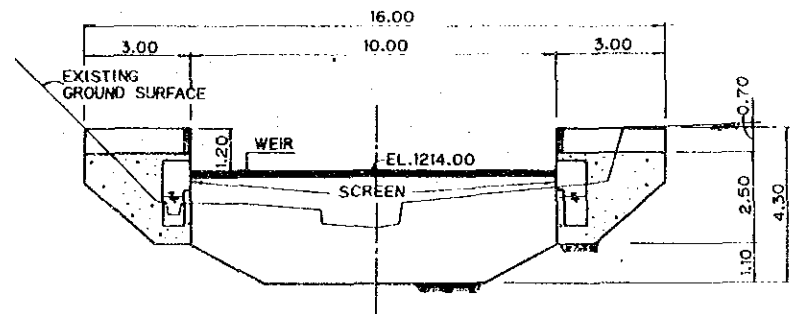
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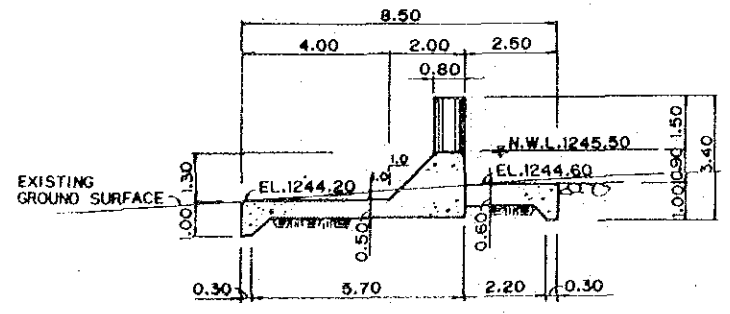
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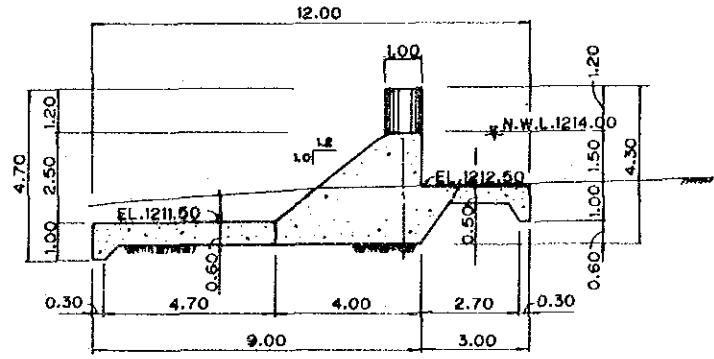
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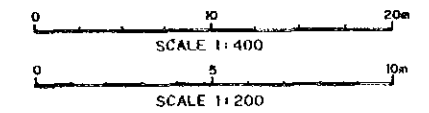
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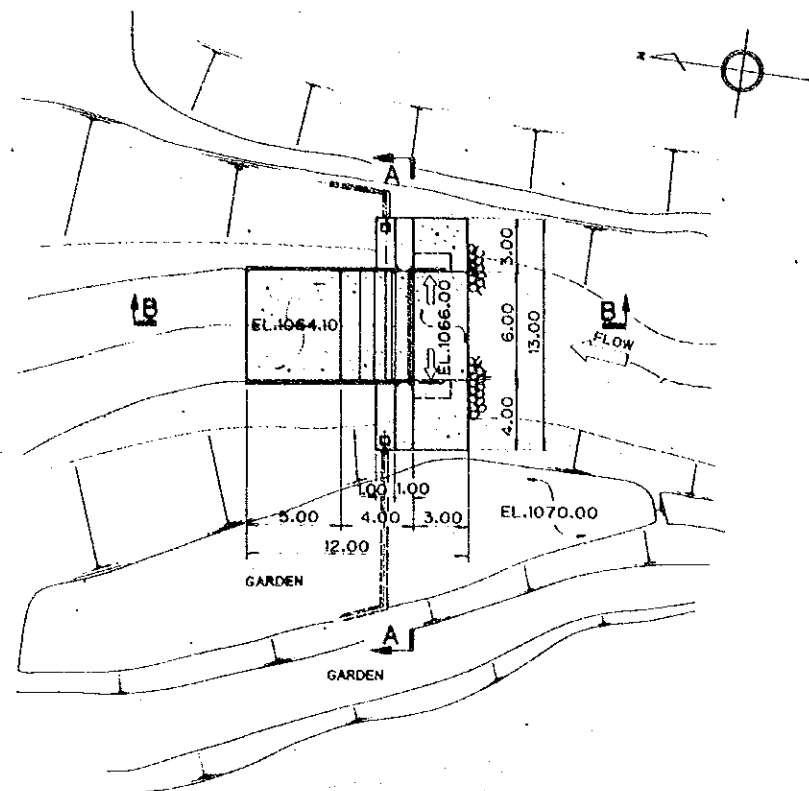
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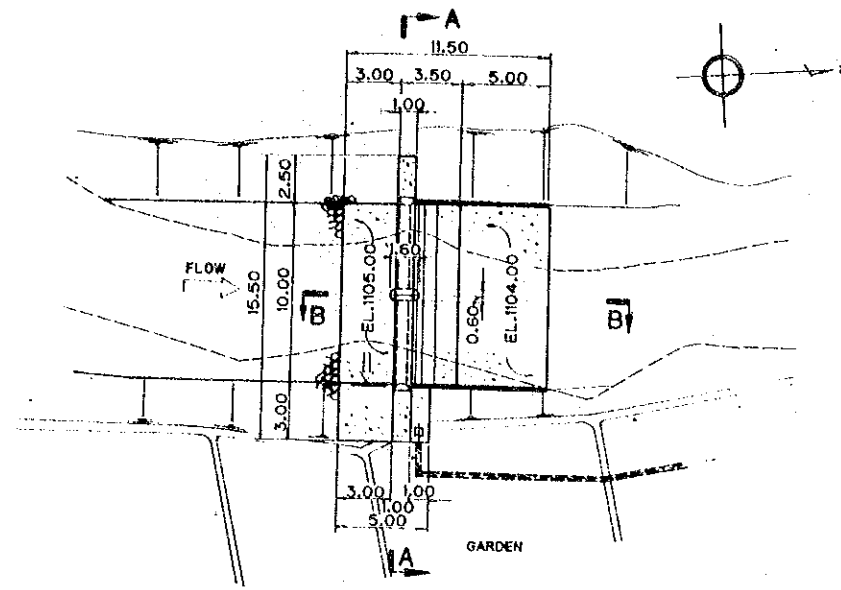
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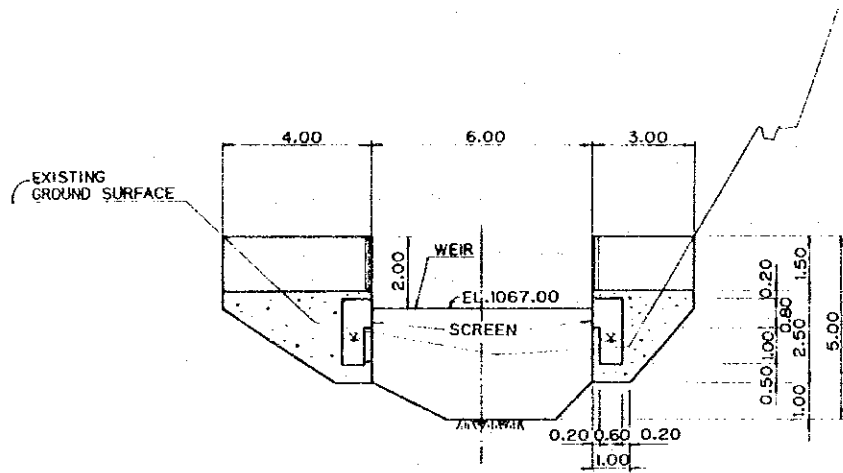
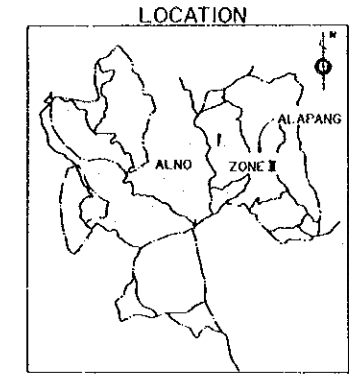
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PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
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DATE	D.W.G. NO.	7
JAPAN INTERNATIONAL COOPERATION AGENCY		



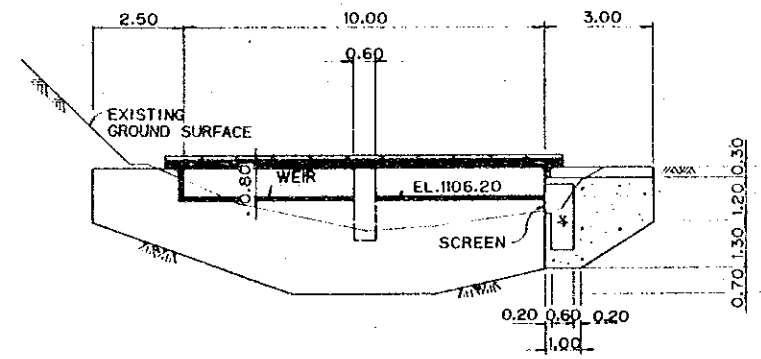
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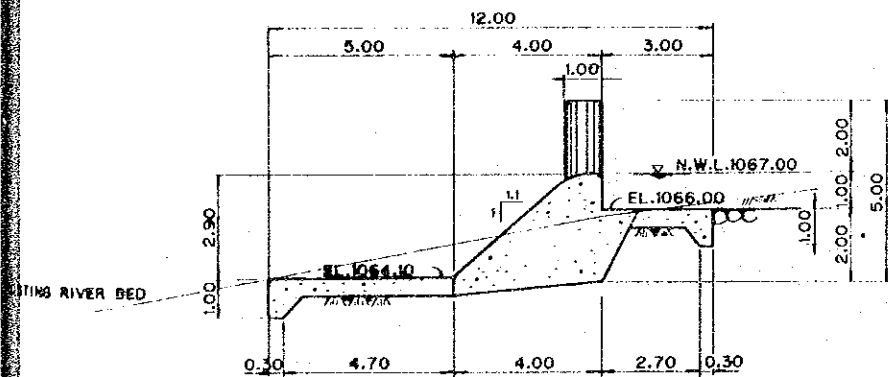
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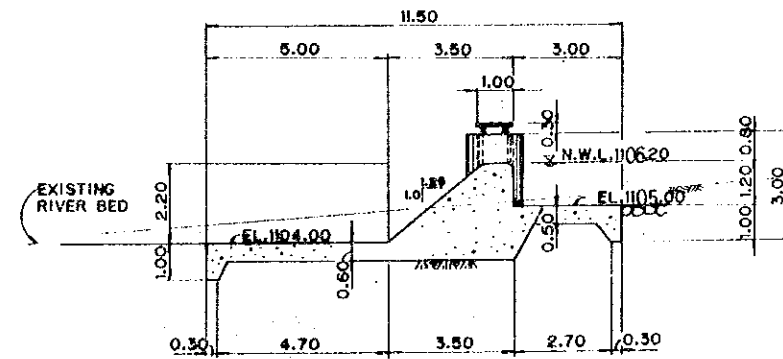
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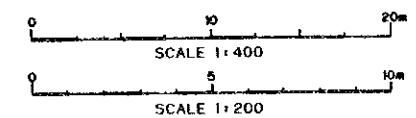
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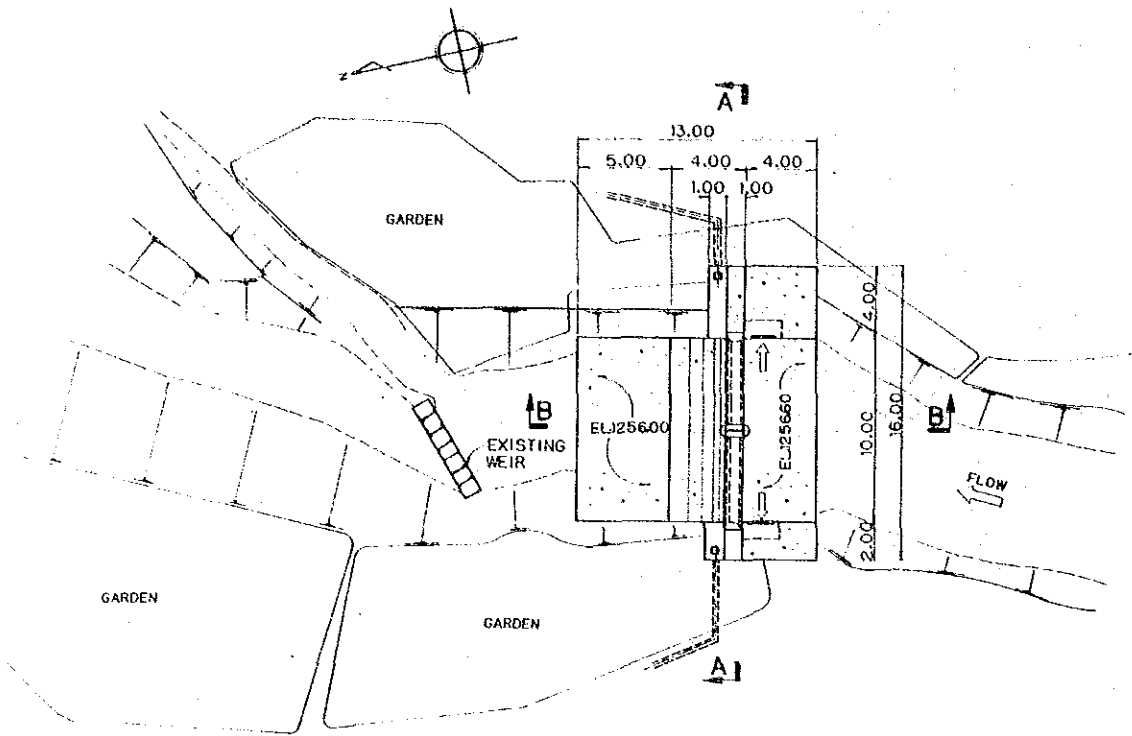
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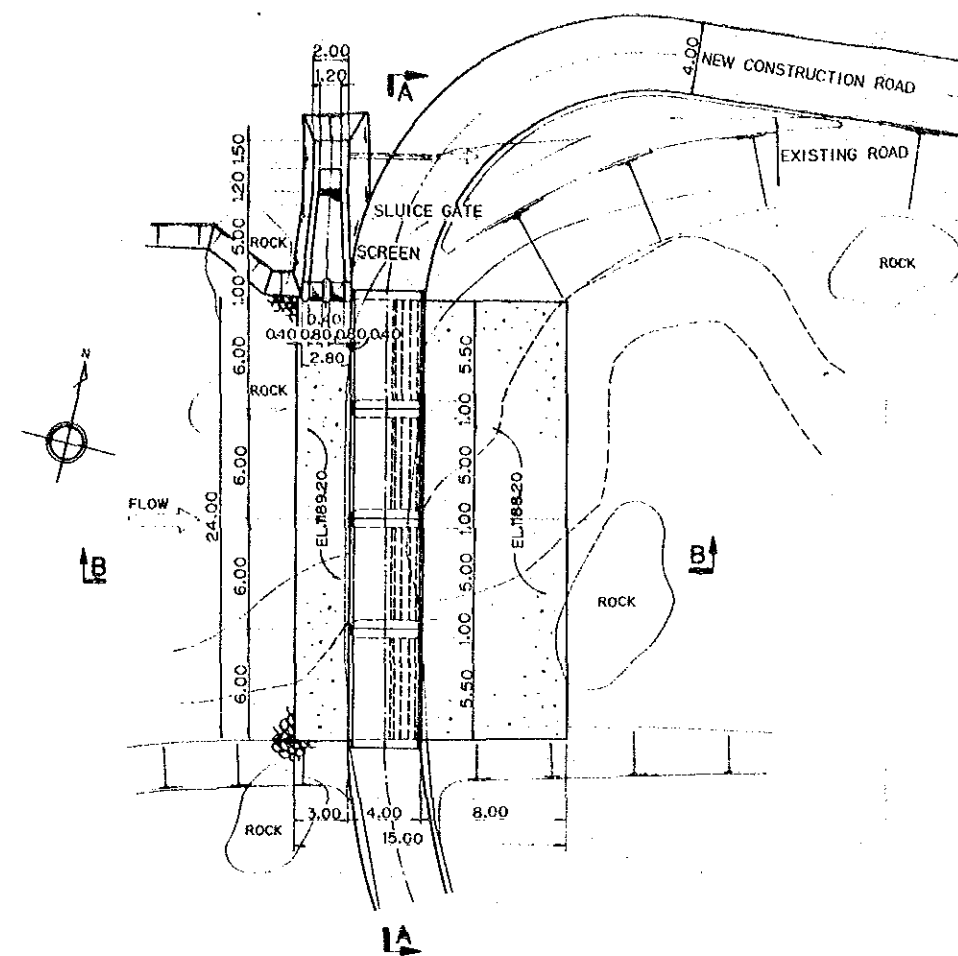
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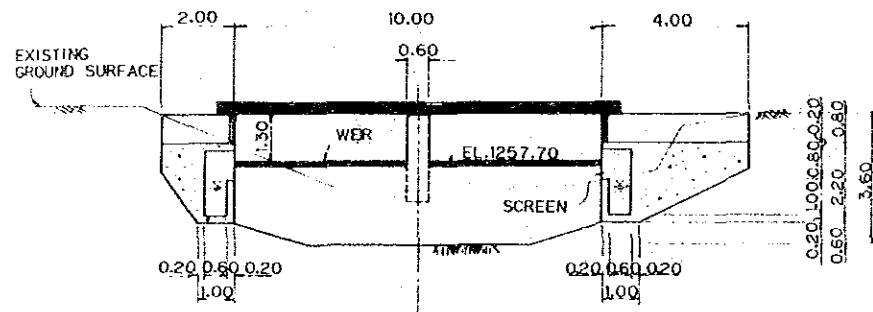
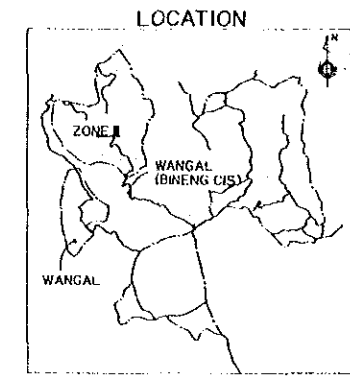
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PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN AND STANDARD SECTION OF INTAKE WORKS(3)		
DATE	D.W.G. NO.	8
JAPAN INTERNATIONAL COOPERATION AGENCY		



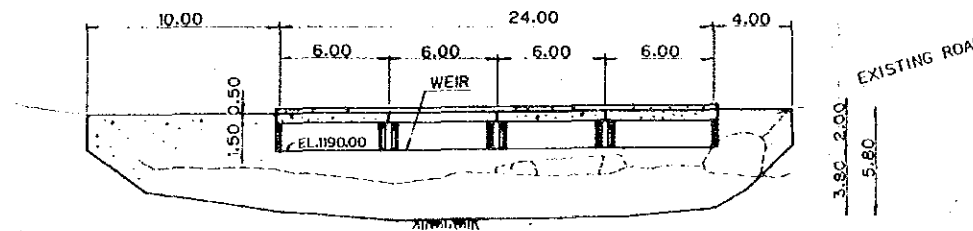
PLAN OF WANGAL INTAKE WEIR
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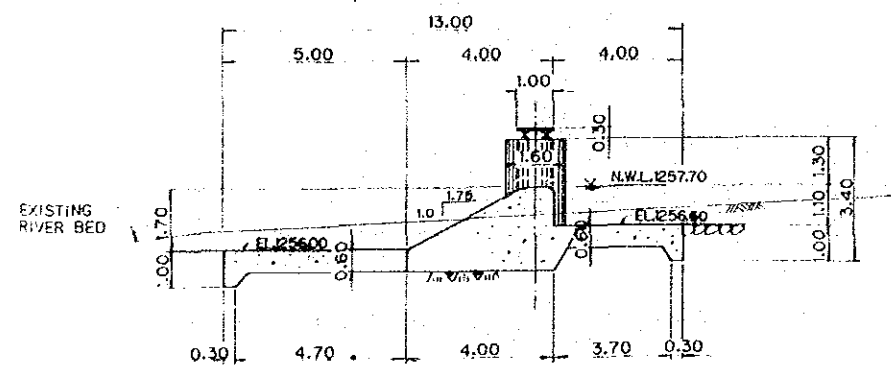
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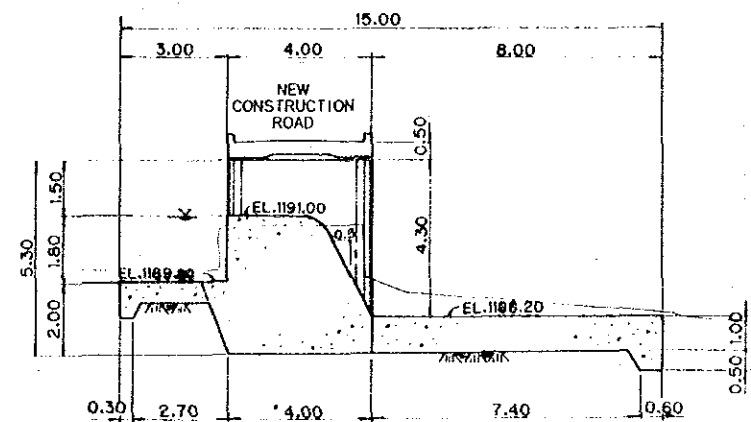
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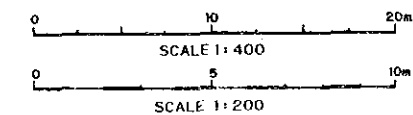
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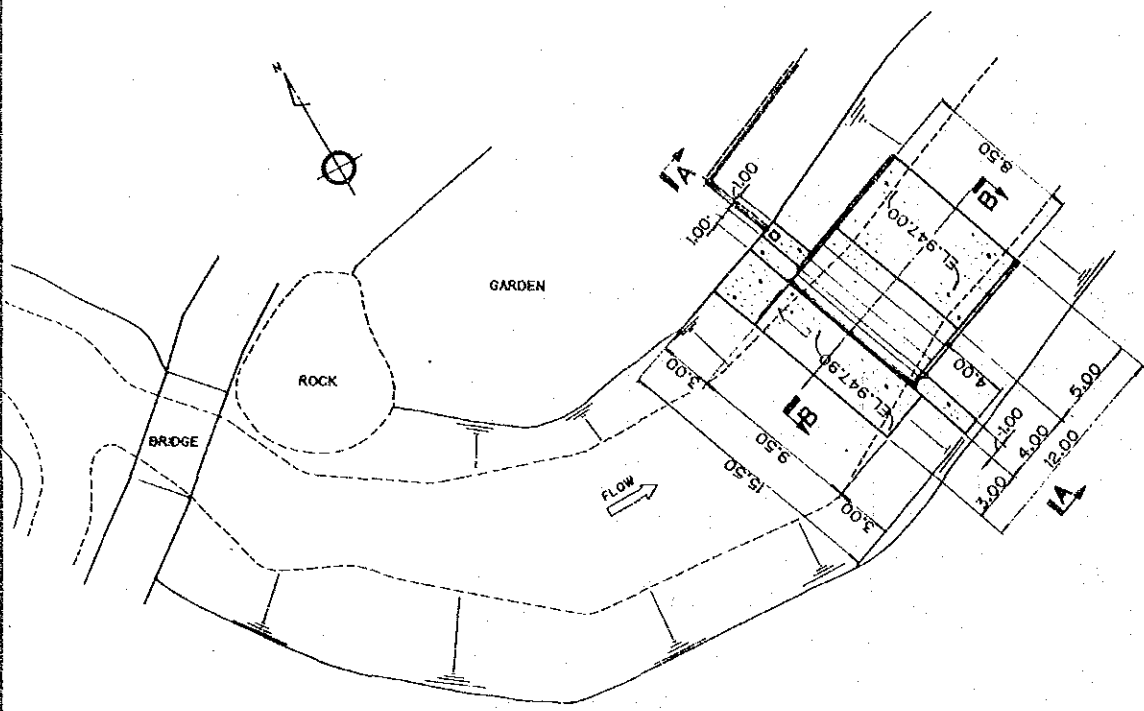
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SECTION B-B
SCALE 1:200

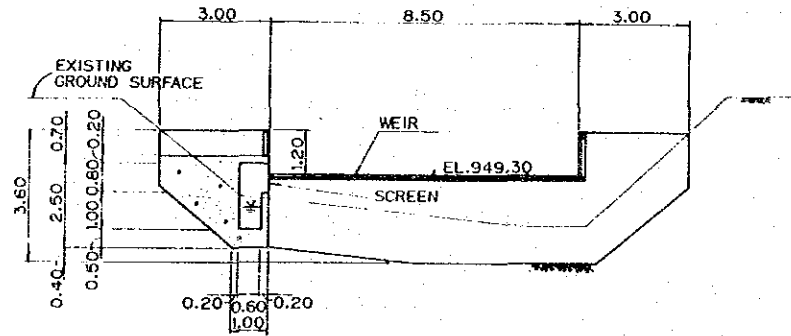
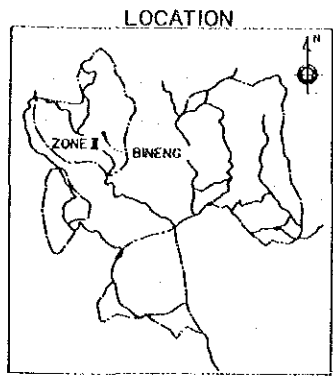


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PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN AND STANDARD SECTION OF INTAKE WORKS (4)		
DATE	D. W. G. NO.	9
JAPAN INTERNATIONAL COOPERATION AGENCY		



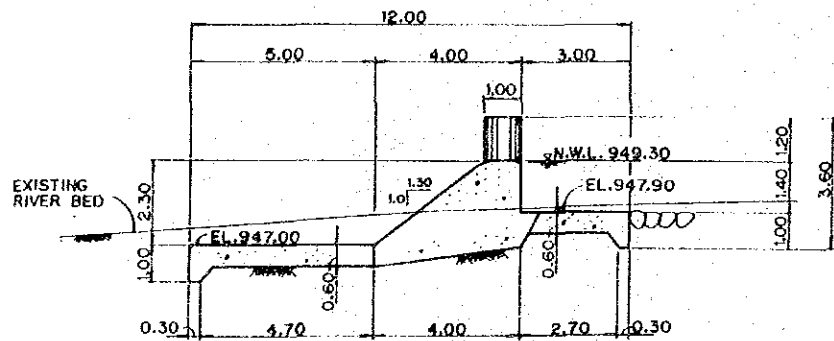
PLAN OF BINENG INTAKE WEIR

SCALE 1:400



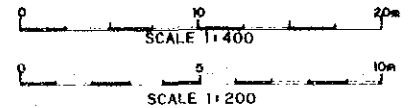
SECTION A-A

SCALE 1:200

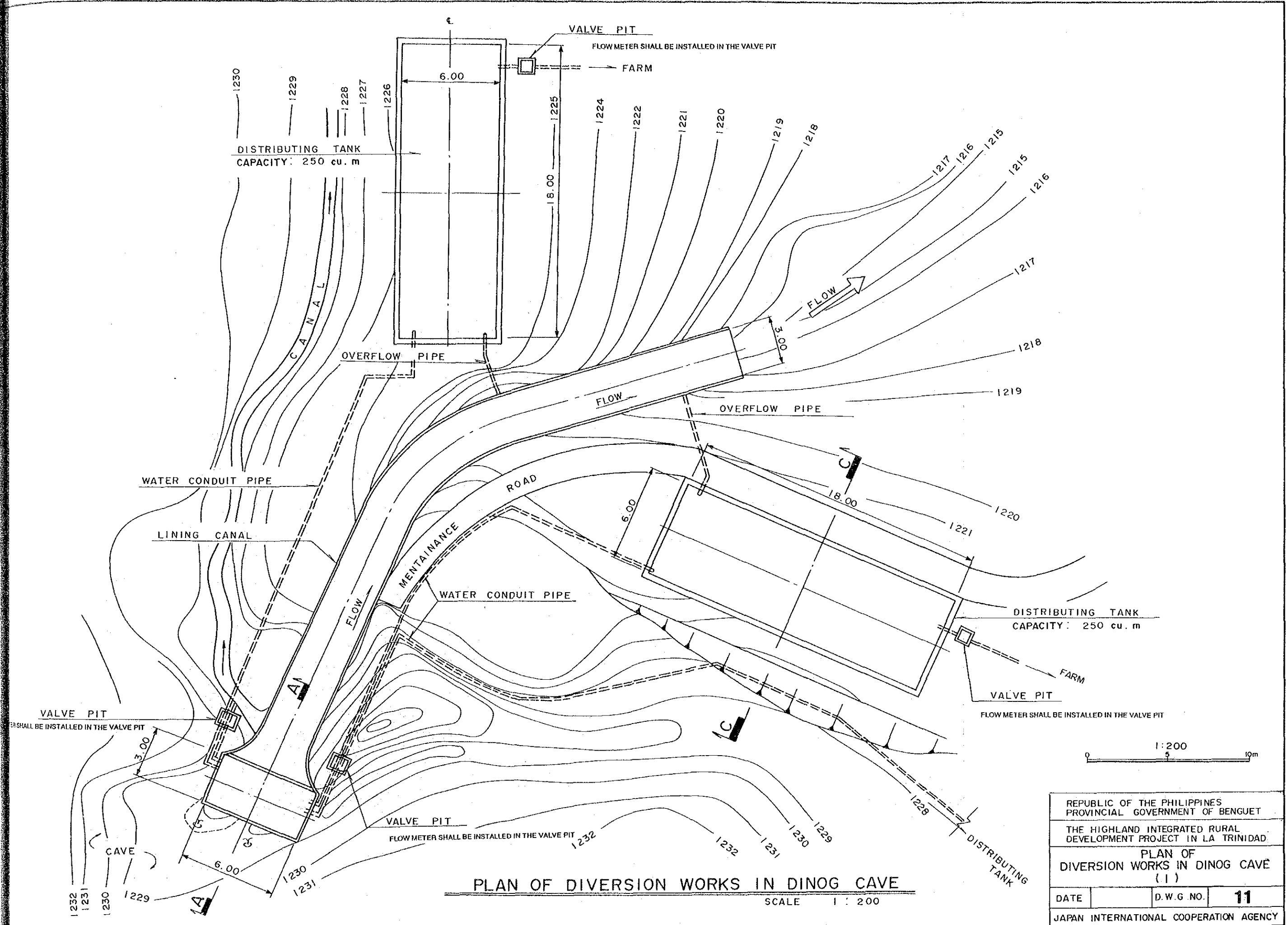


SECTION B-B

SCALE 1:200

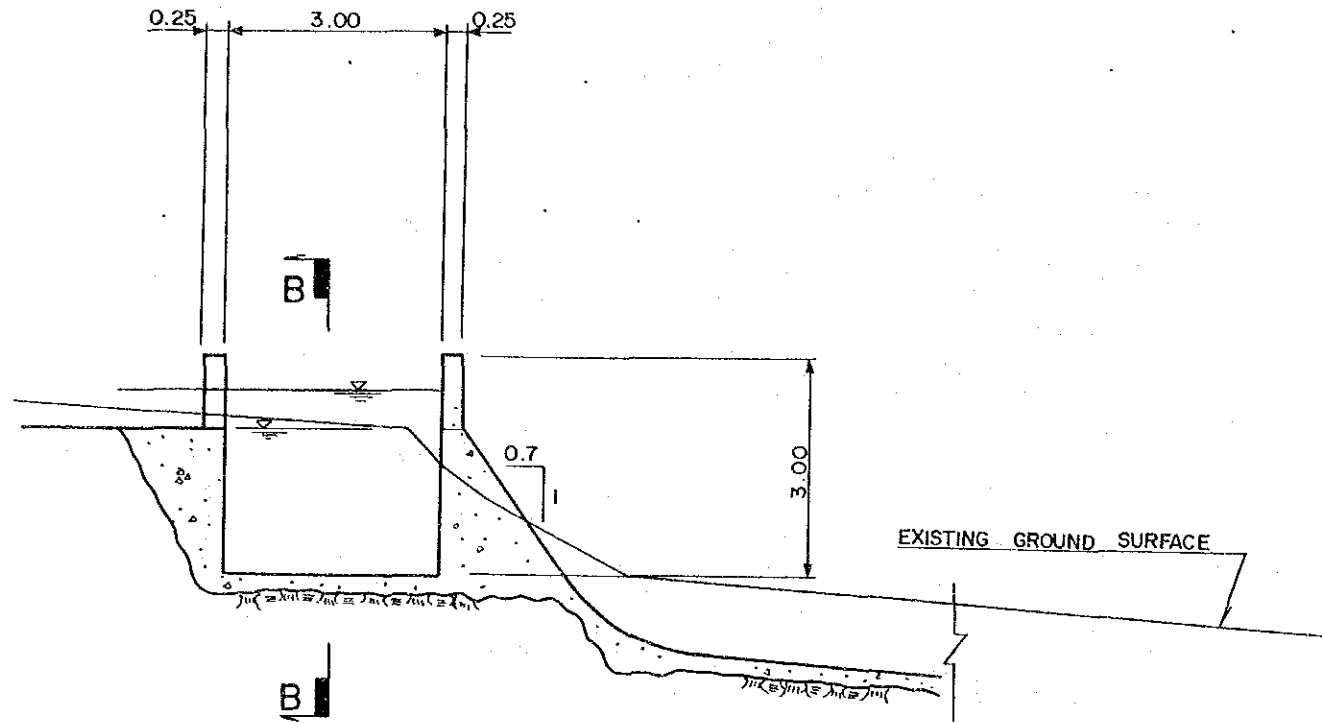


REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL		
DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN AND STANDARD SECTION		
OF INTAKE WORKS (5)		
DATE	D. W. G. NO.	10
JAPAN INTERNATIONAL COOPERATION AGENCY		

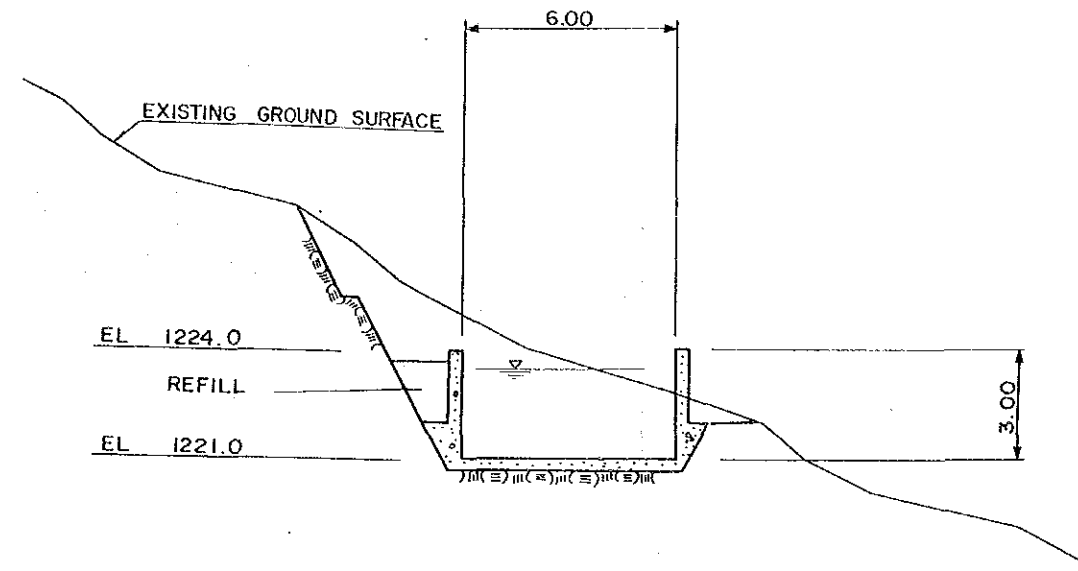


PLAN OF DIVERSION WORKS IN DINOG CAVE
SCALE 1 : 200

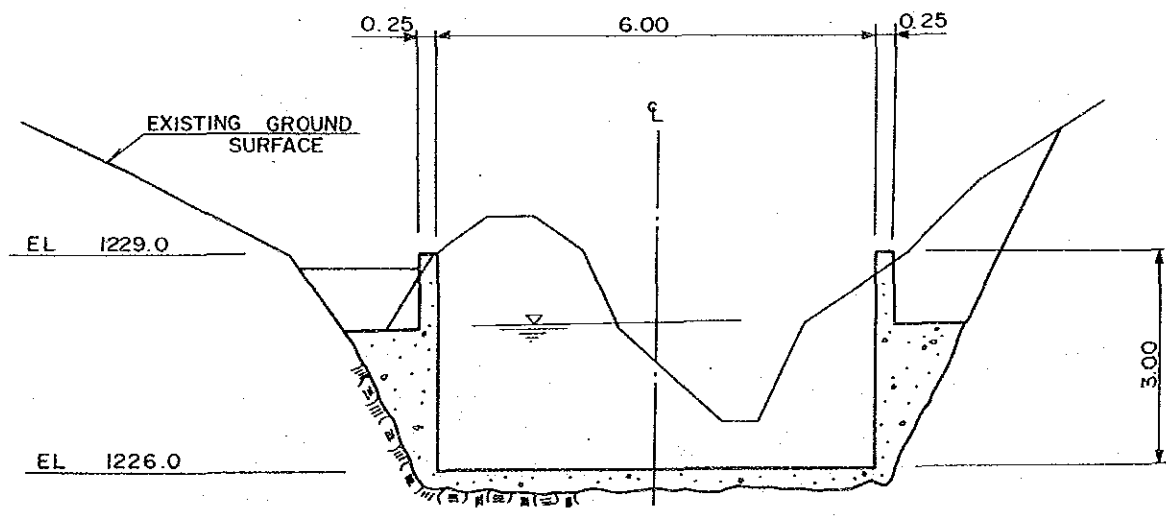
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
PLAN OF DIVERSION WORKS IN DINOG CAVE (1)	
DATE	D.W.G. NO. 11
JAPAN INTERNATIONAL COOPERATION AGENCY	



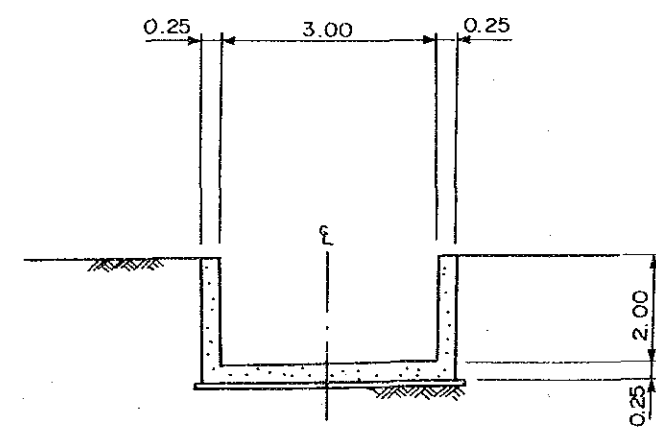
SECTION A-A
SCALE 1:100



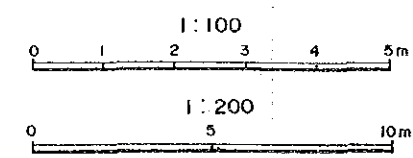
SECTION C-C
SCALE 1:200



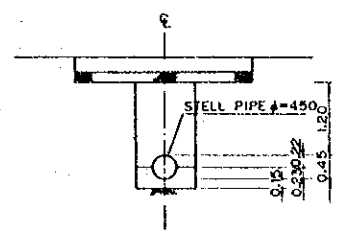
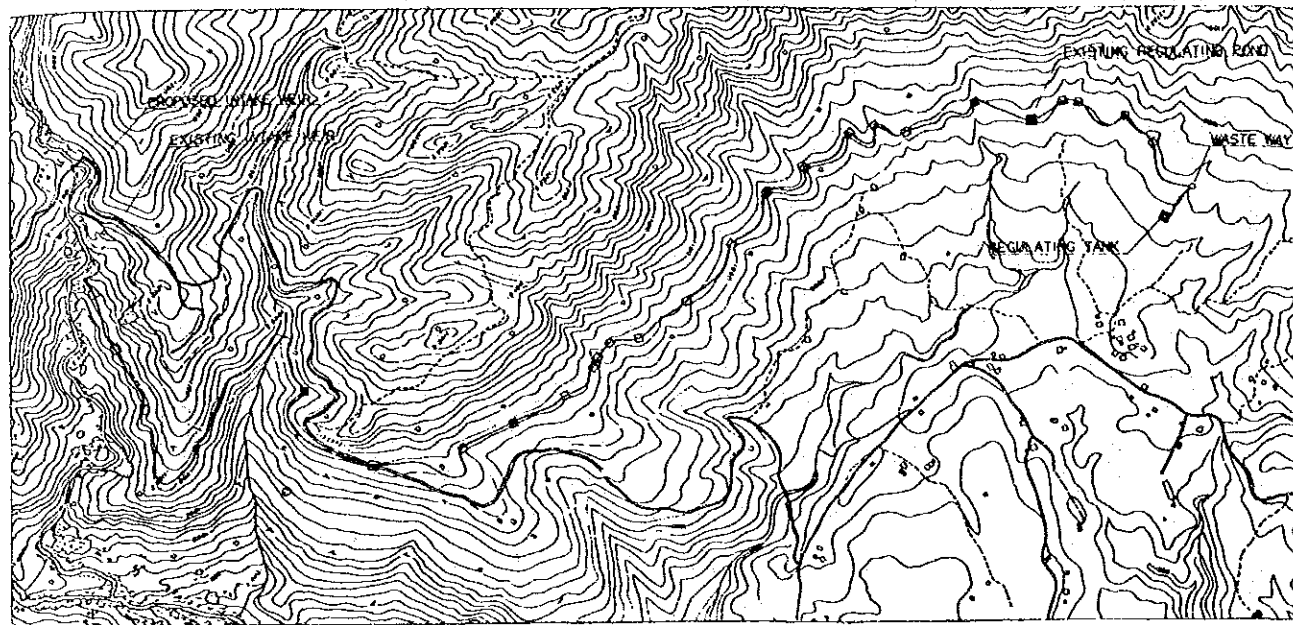
SECTION B-B
SCALE 1:100



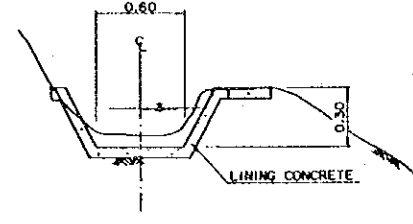
STANDARD SECTION OF CANAL
SCALE 1:100



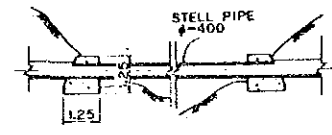
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF DIVERSION WORKS IN DINOG CAVE (2)		
DATE	D.W.G. NO.	12
JAPAN INTERNATIONAL COOPERATION AGENCY		



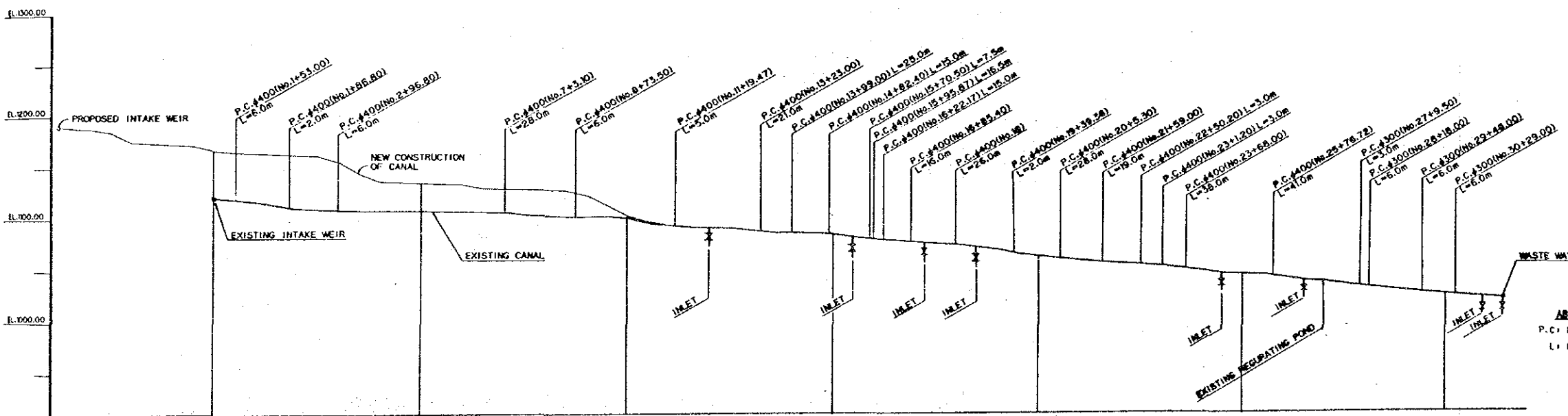
STANDARD SECTION OF IRRIGATION CANAL
SCALE 1:50



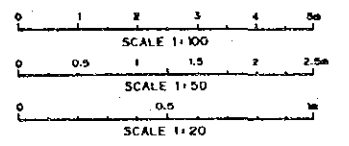
STANDARD SECTION OF IRRIGATION CANAL
SCALE 1:20



PROFILE OF PIPE CANAL
SCALE 1:100



ABBREVIATION
P.C. PIPE CANAL
L PIPE LENGTH



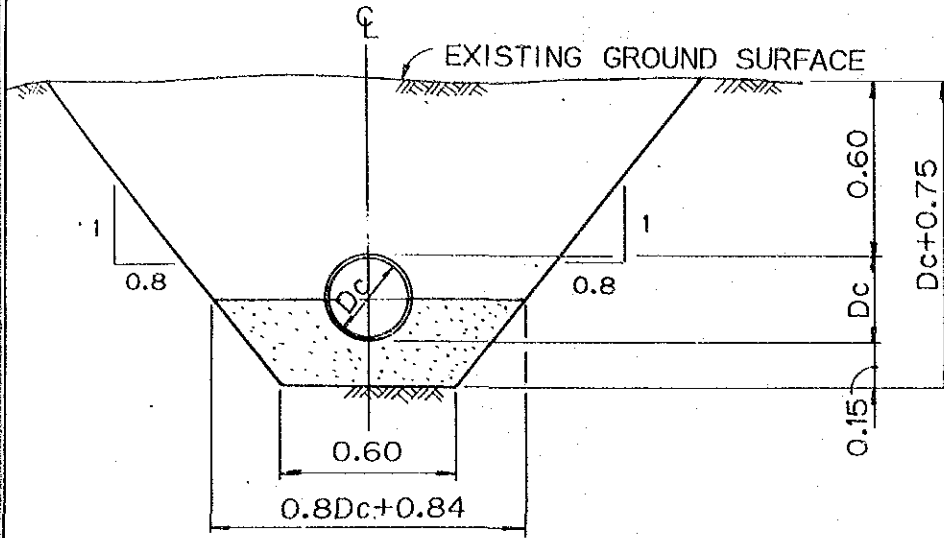
STATION	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																															
CANAL BED ELEVATION	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00																															
GROUND ELEVATION	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00																														
REGULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100
DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100

REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

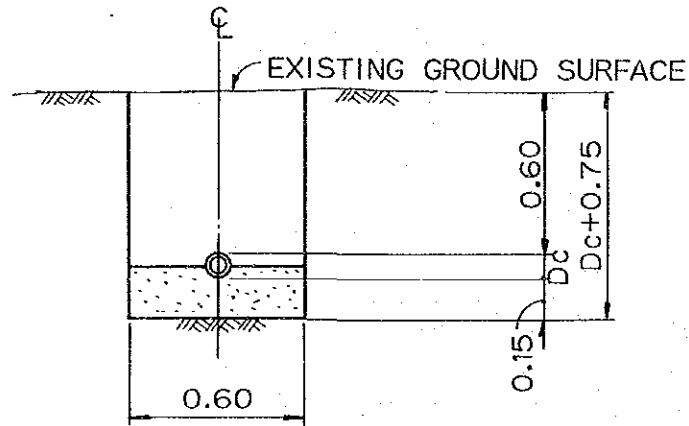
PLAN OF IRRIGATION CANAL
REMODOELLING (BINENG C.I.S)

DATE _____ D.W.G. NO. **13**

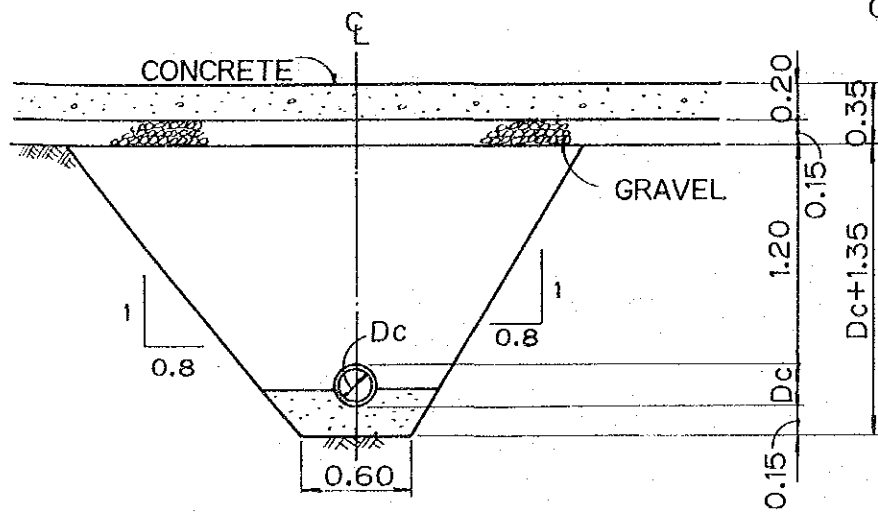
JAPAN INTERNATIONAL COOPERATION AGENCY



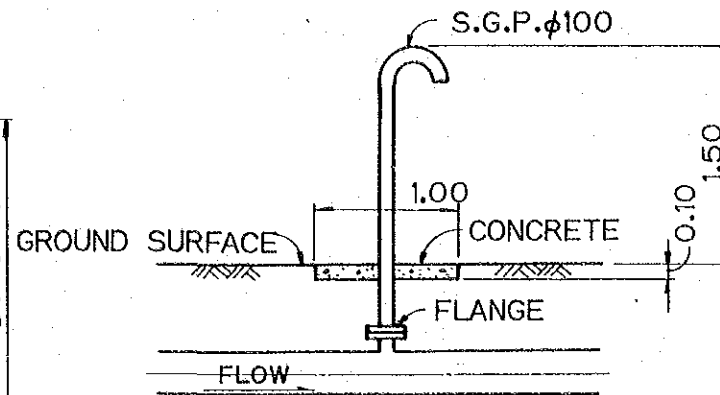
STANDARD SECTION OF DIVERSION CONDUIT
(150~300mm) SCALE 1:250



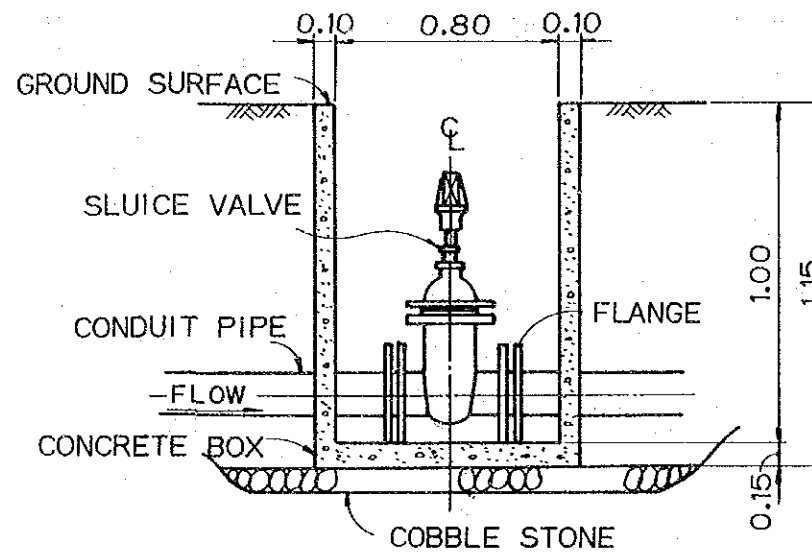
STANDARD SECTION OF LATERAL CONDUIT
(100~150mm) SCALE 1:250



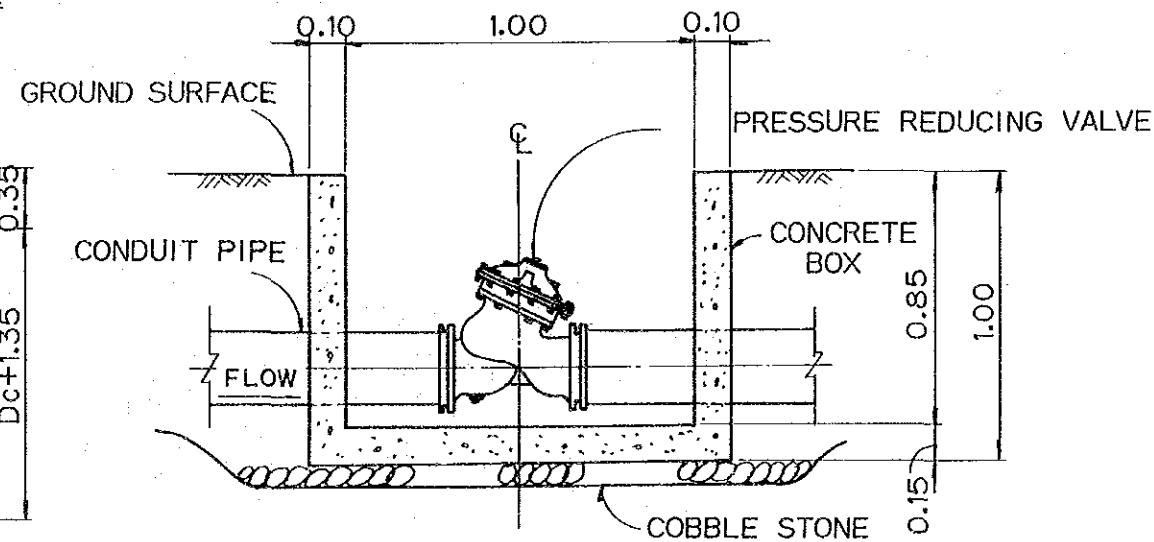
STANDARD DESIGN OF CONDUIT BURIED UNDER ROAD
SCALE 1:800



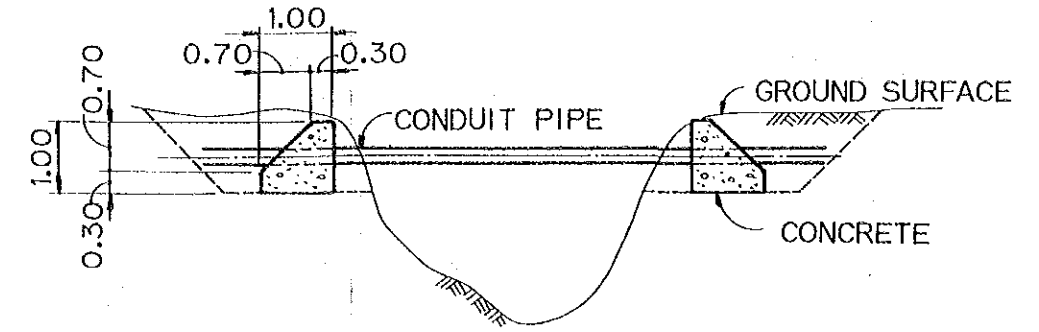
AIR STAND
SCALE 1:100



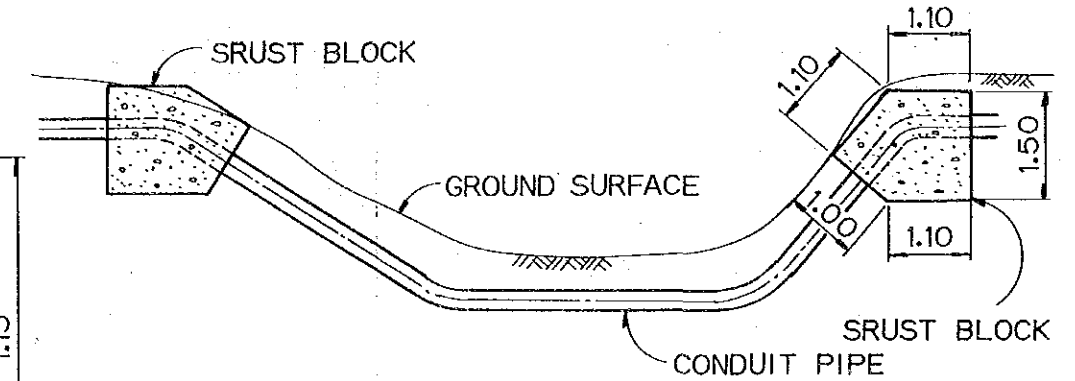
SLUICE VALVE
SCALE -



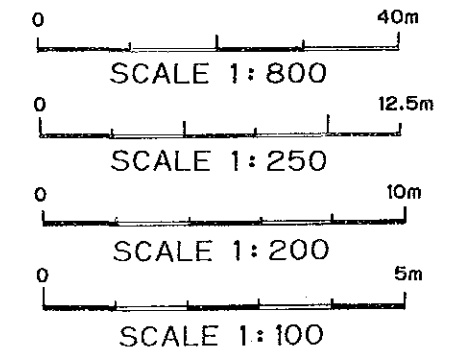
PRESSURE-REDUCING VALVE
SCALE -



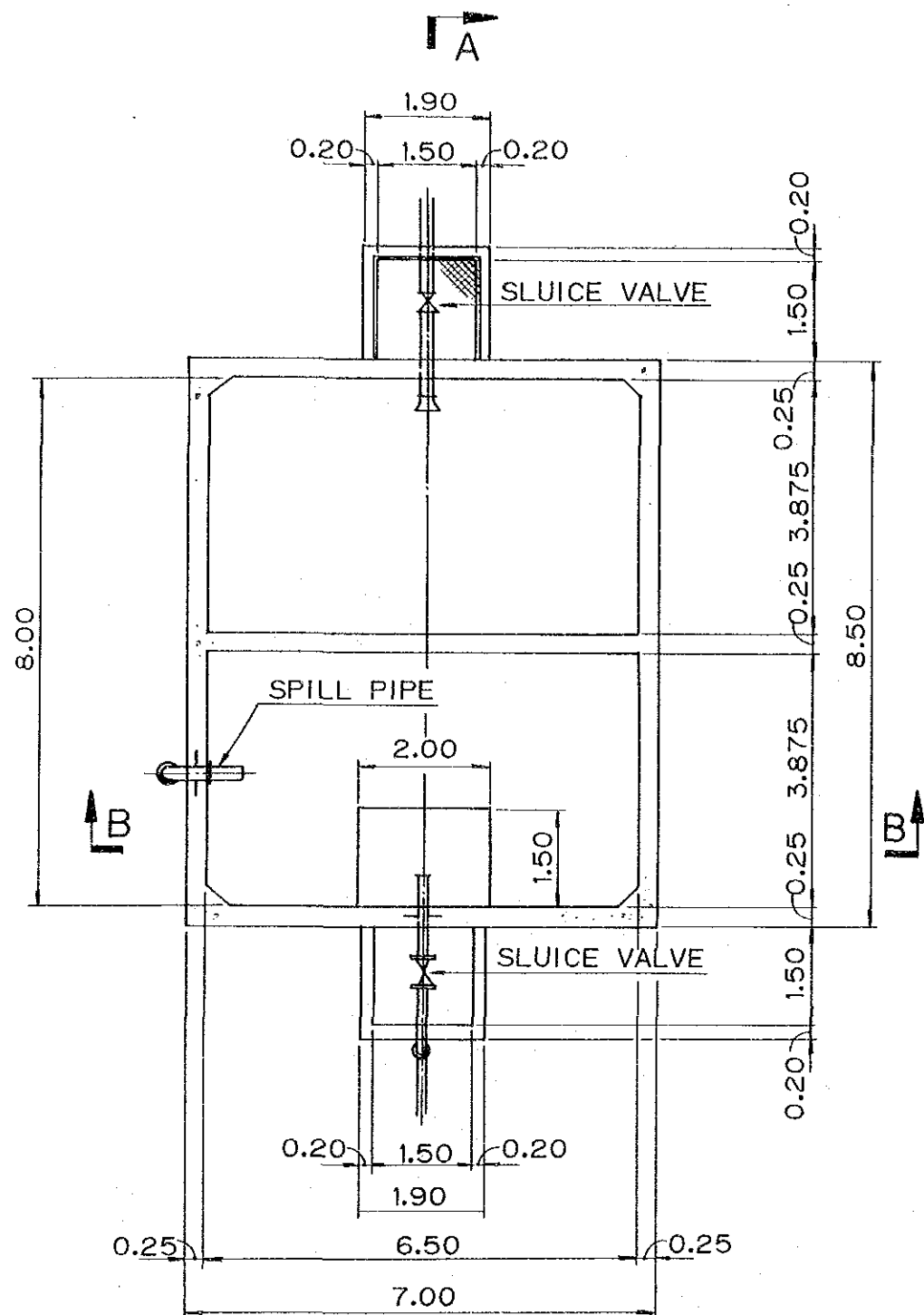
CROSSING STRUCTURE
SCALE 1:200



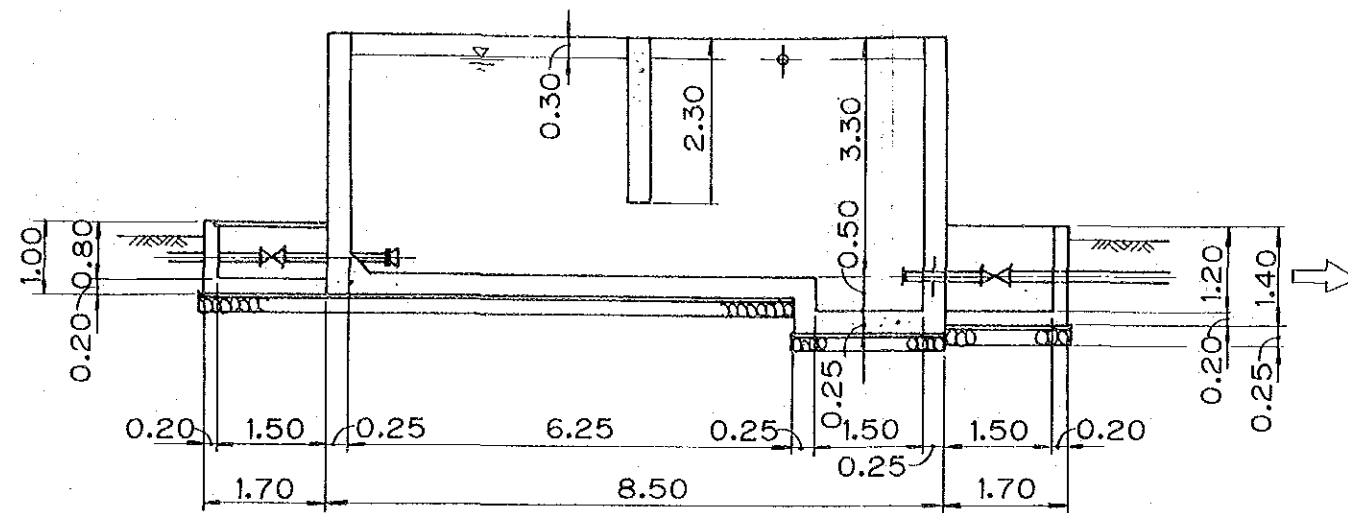
INVERTED SIPHON
SCALE 1:200



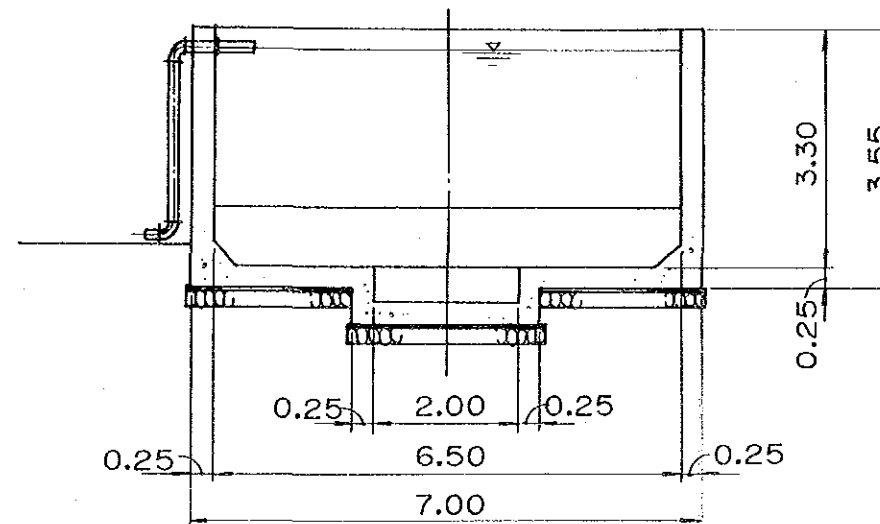
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
RELATED STRUCTURE OF IRRIGATION CONDUIT	
DATE	D.W.G. NO. 14
JAPAN INTERNATIONAL COOPERATION AGENCY	



PLAN
SCALE 1:100



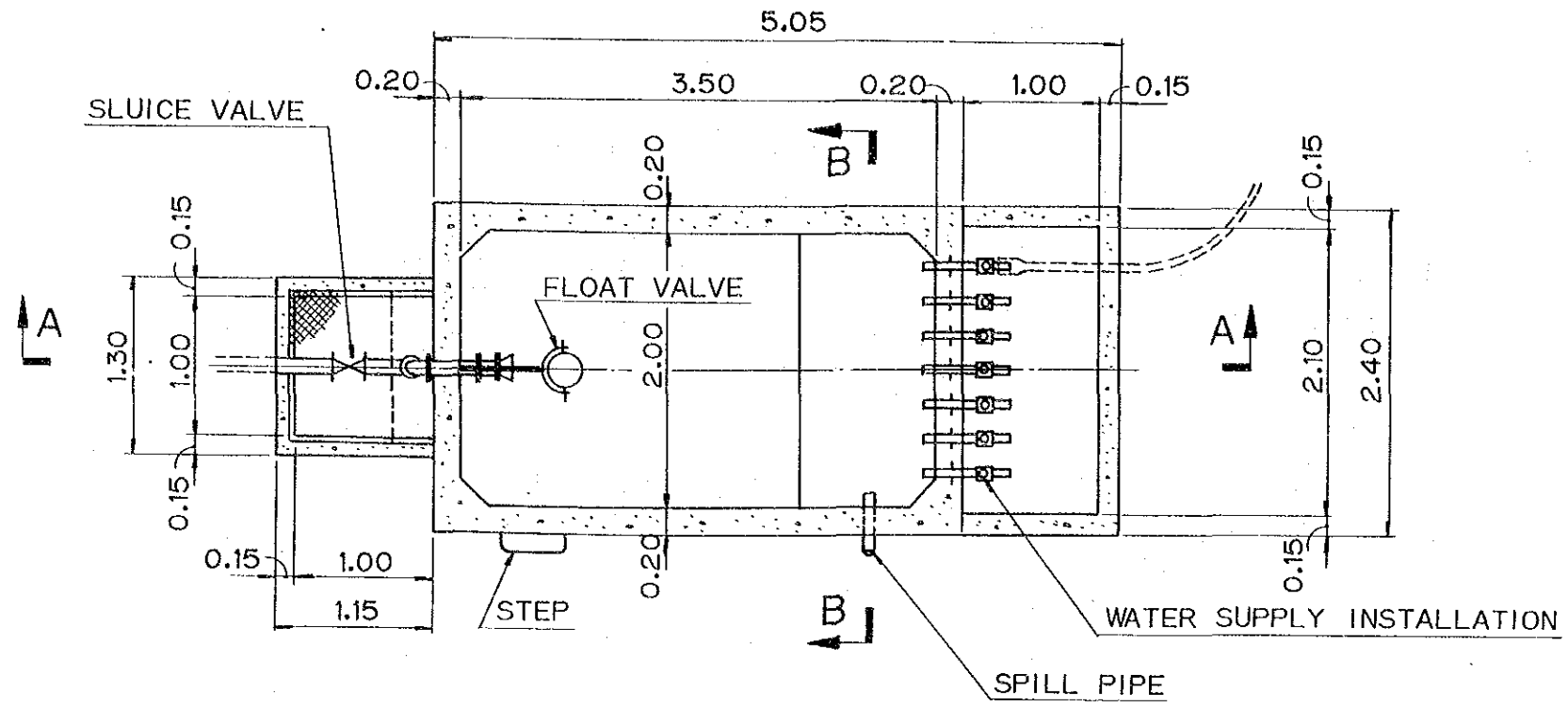
SECTION A-A
SCALE 1:100



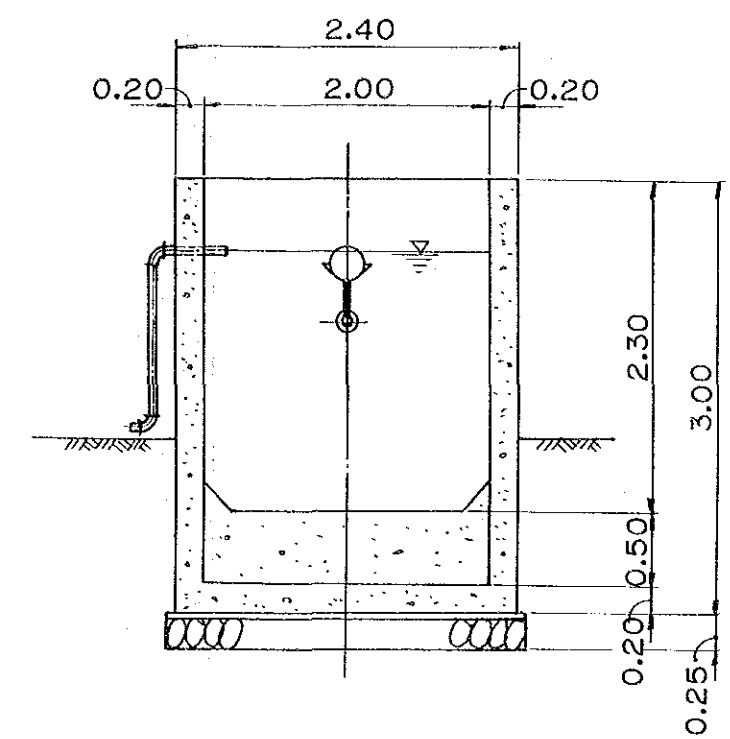
SECTION B-B
SCALE 1:100



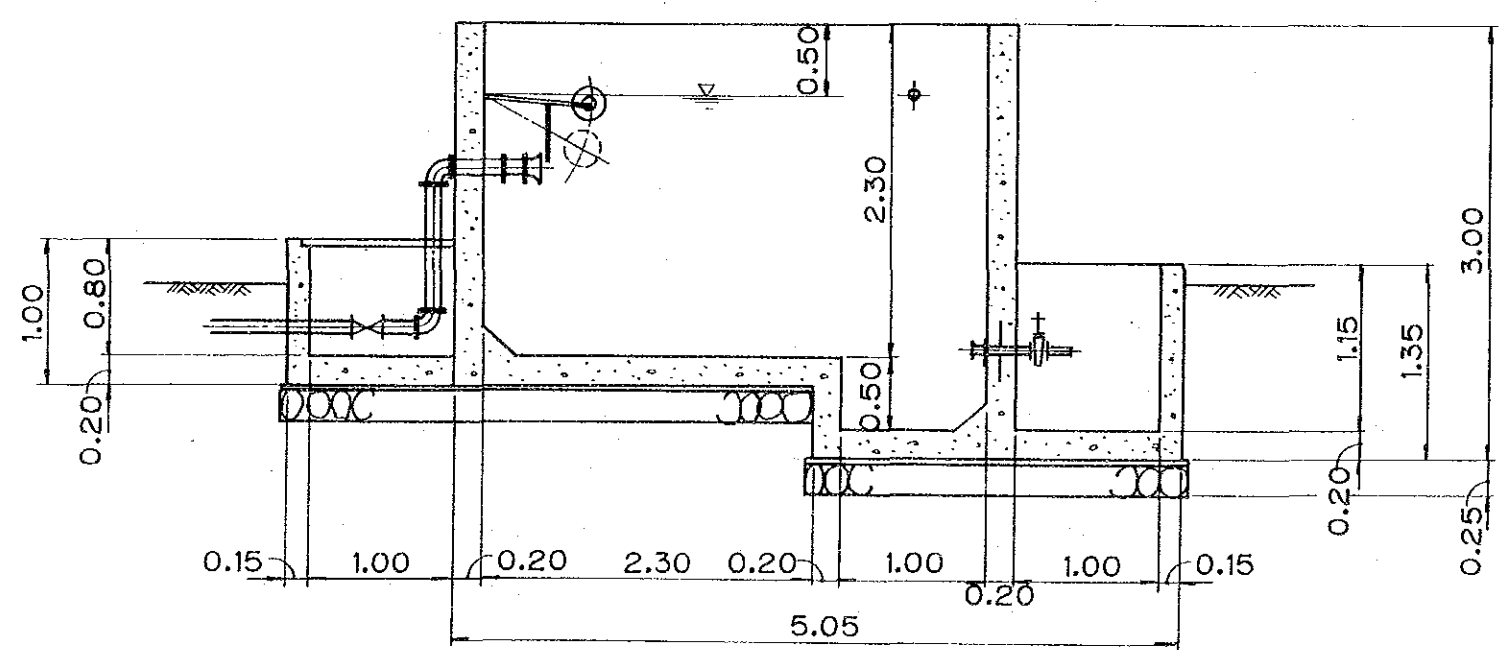
REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
SMALL MAIN TANK FOR IRRIGATION		
DATE	D.W.G. NO.	15
JAPAN INTERNATIONAL COOPERATION AGENCY		



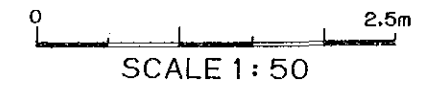
PLAN
SCALE 1:50



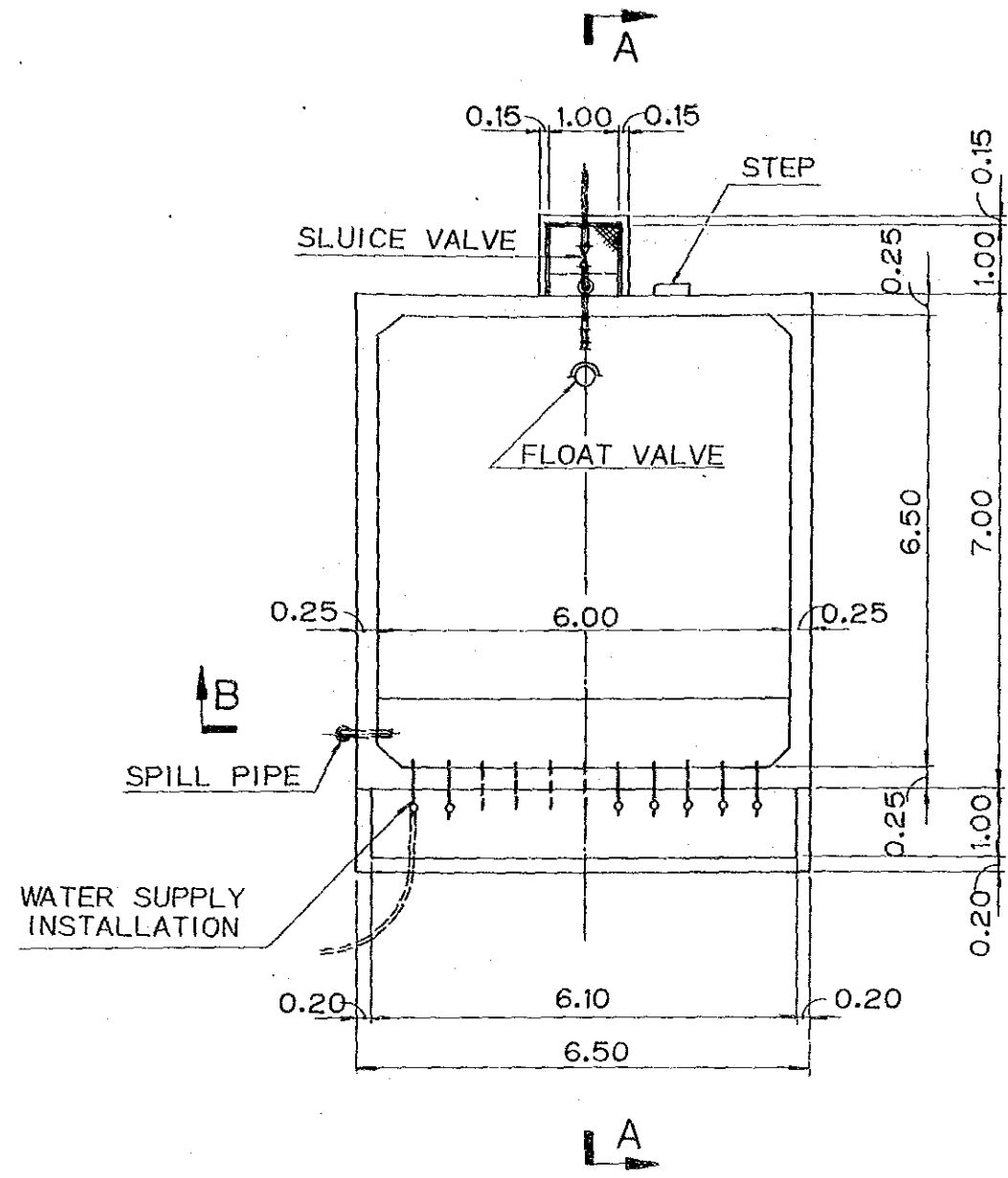
SECTION B-B
SCALE 1:50



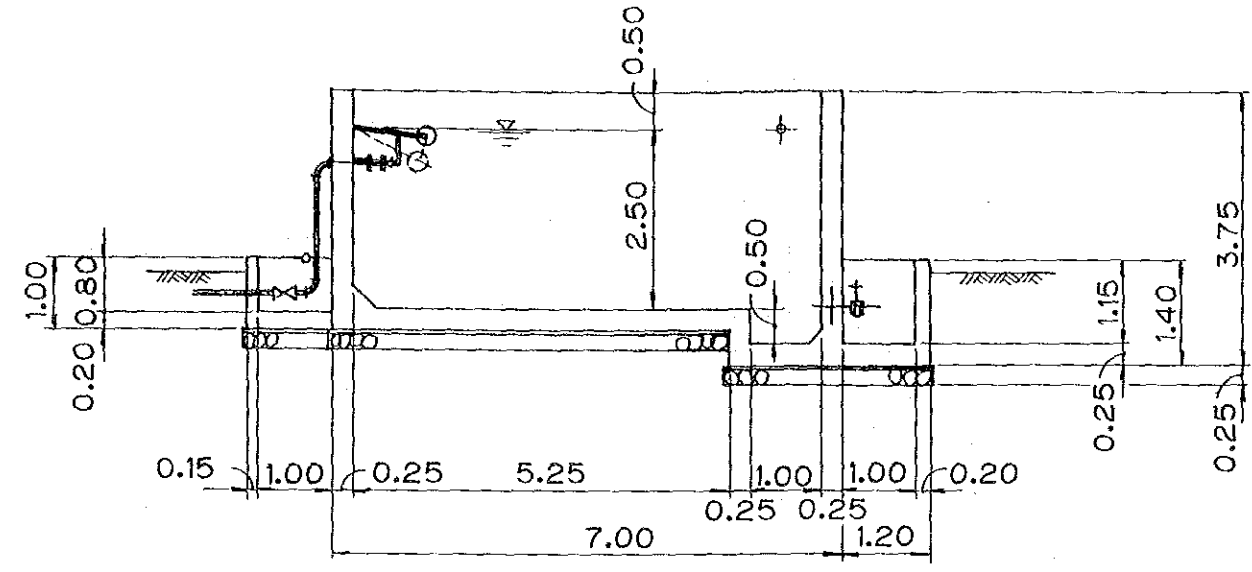
SECTION A-A
SCALE 1:50



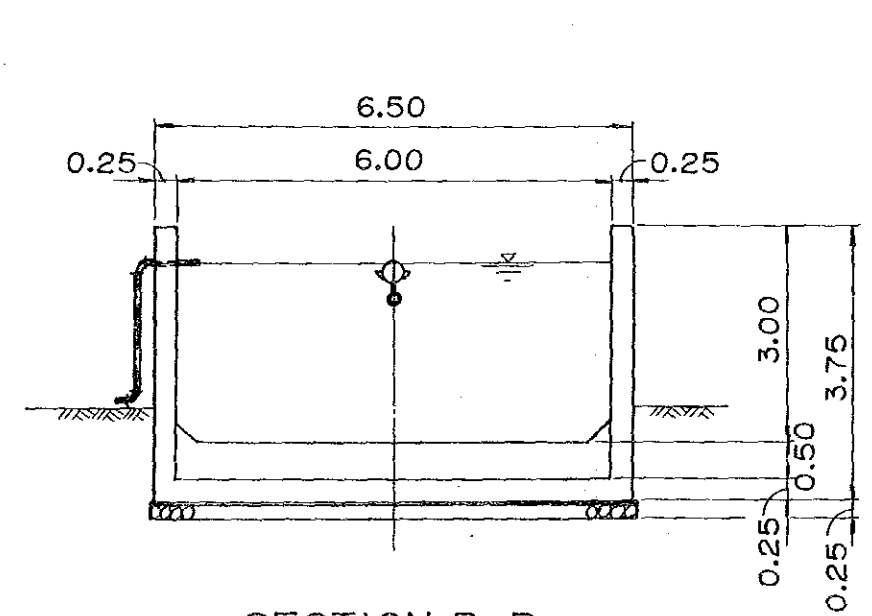
REPUBLIC OF THE PHILIPPINES	
PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
DIVISION TANK FOR IRRIGATION (A Type)	
DATE	D.W.G. NO. 16
JAPAN INTERNATIONAL COOPERATION AGENCY	



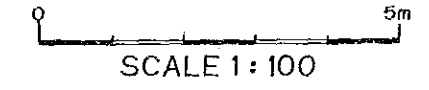
PLAN
SCALE 1:100



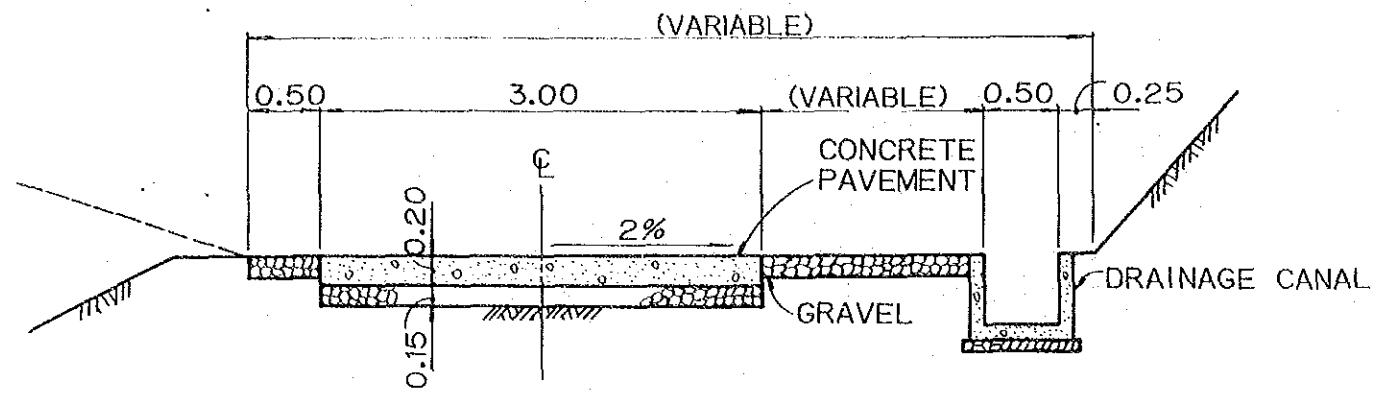
SECTION A-A
SCALE 1:100



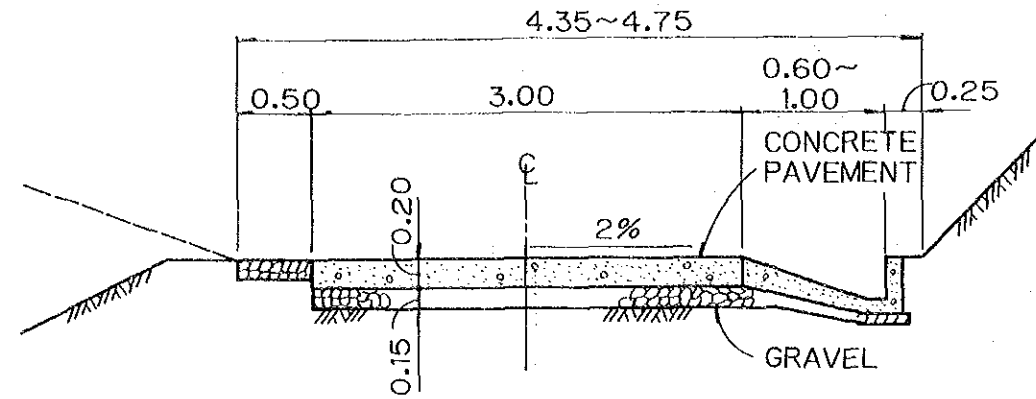
SECTION B-B
SCALE 1:100



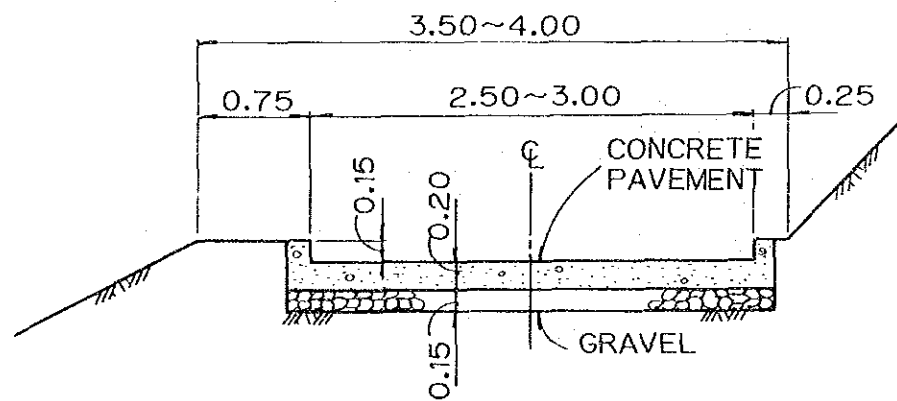
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
DIVISION TANK FOR IRRIGATION (B Type)	
DATE	D.W.G. NO. 17
JAPAN INTERNATIONAL COOPERATION AGENCY	



STANDARD SECTION
SCALE 1:100



STANDARD SECTION
(NEW CONSTRUCTION ROAD)
SCALE 1:100

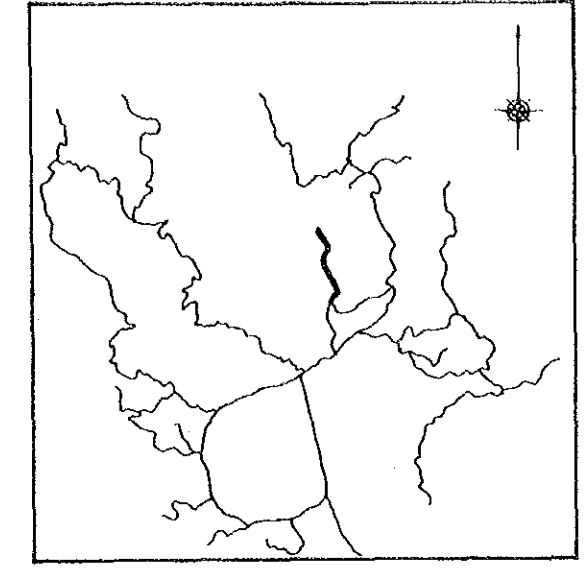
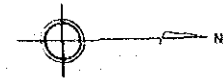
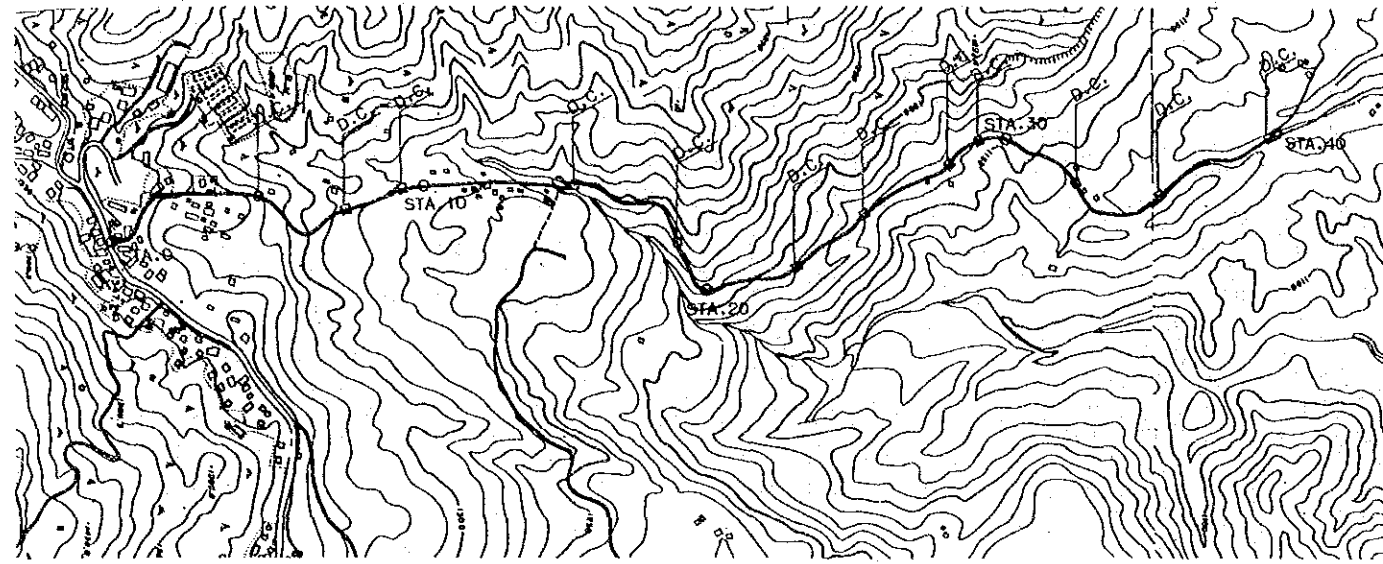


STANDARD SECTION
(WATERWAY ROAD)
SCALE 1:100

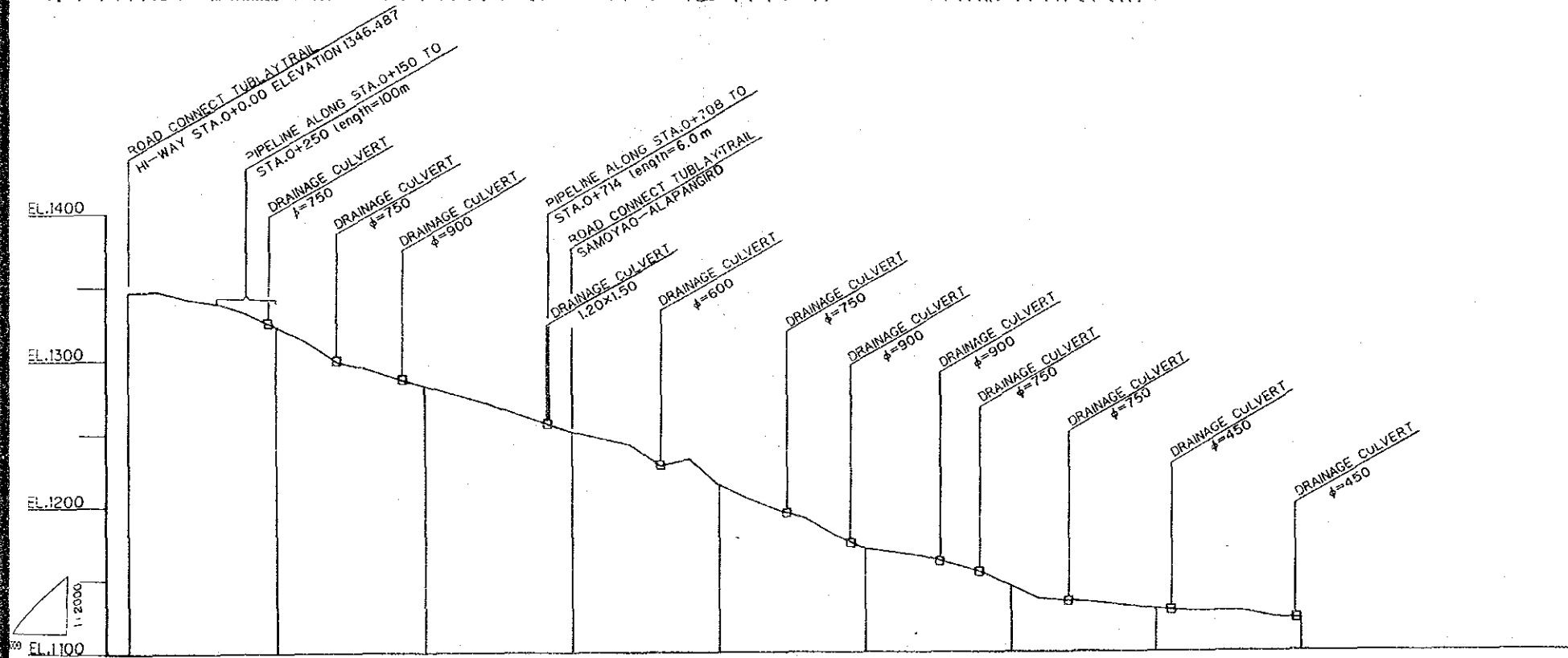


REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
STANDARD SECTION OF ROAD		
DATE	D.W.G. NO.	18
JAPAN INTERNATIONAL COOPERATION AGENCY		

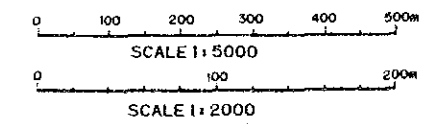
PLAN OF ROAD IMPROVEMENT



LOCATION OF ROAD



ROAD WIDTH	3.0M																																										
GROUND EL.	1346.53	1342.63	1338.29	1332.47	1281.82	1314.23	1298.26	1293.34	1286.16	1282.72	1275.76	1269.18	1264.10	1255.019	1250.96	1247.55	1242.53	1227.36	1231.92	1210.49	1204.11	1195.94	1190.67	1179.64	1170.716	1166.84	1166.16	1161.07	1156.29	1152.46	1134.27	1133.57	1131.84	1129.49	1127.95	1127.43	1127.56	1124.91	1122.58	1121.57			
CUMULATED DISTANCE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000			
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	STA. 0	1	2	3	4	STA. 5	6	7	8	9	STA. 10	11	12	13	14	STA. 15	16	17	18	19	STA. 20	21	22	23	24	STA. 25	26	27	28	29	STA. 30	31	32	33	34	STA. 35	36	37	38	39	STA. 40		



REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET

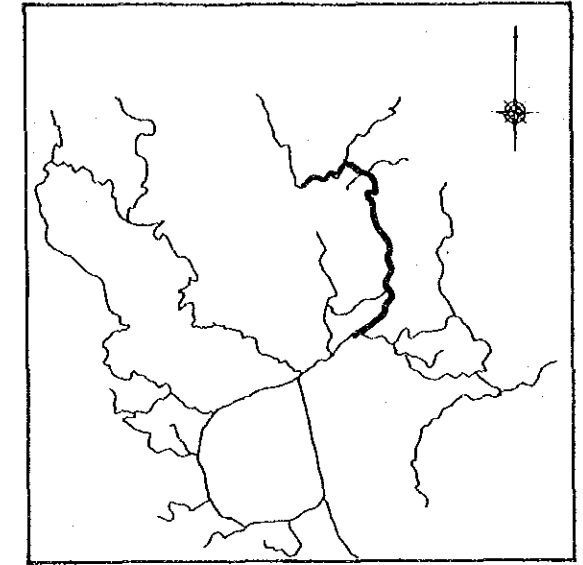
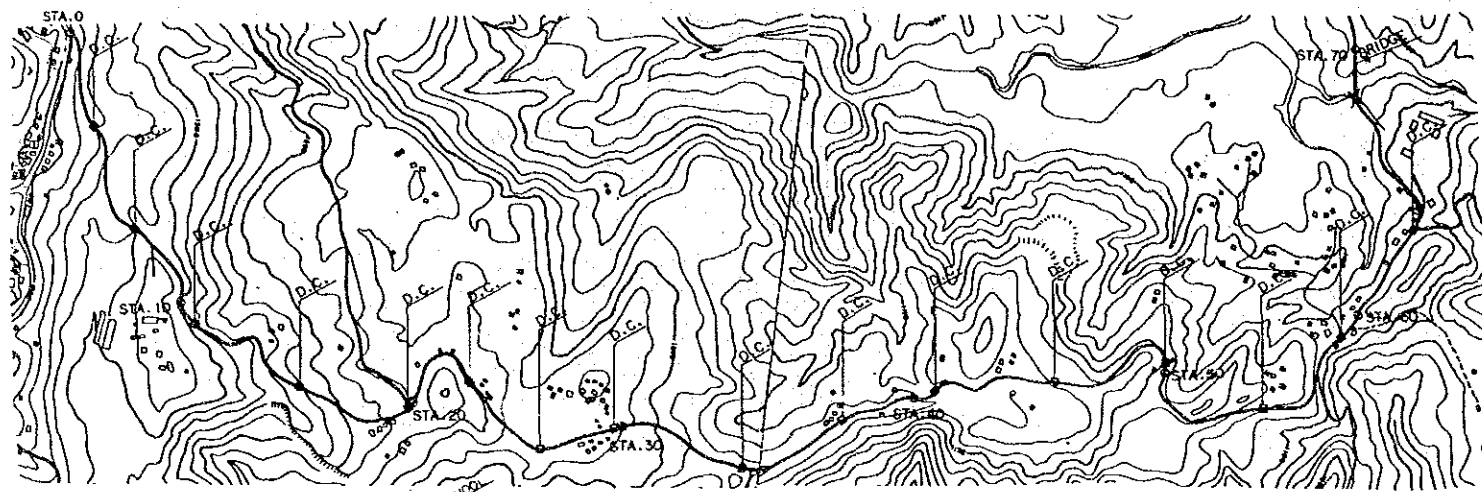
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

PLAN OF ROAD IMPROVEMENT
(SAMUYAO-PERIL)

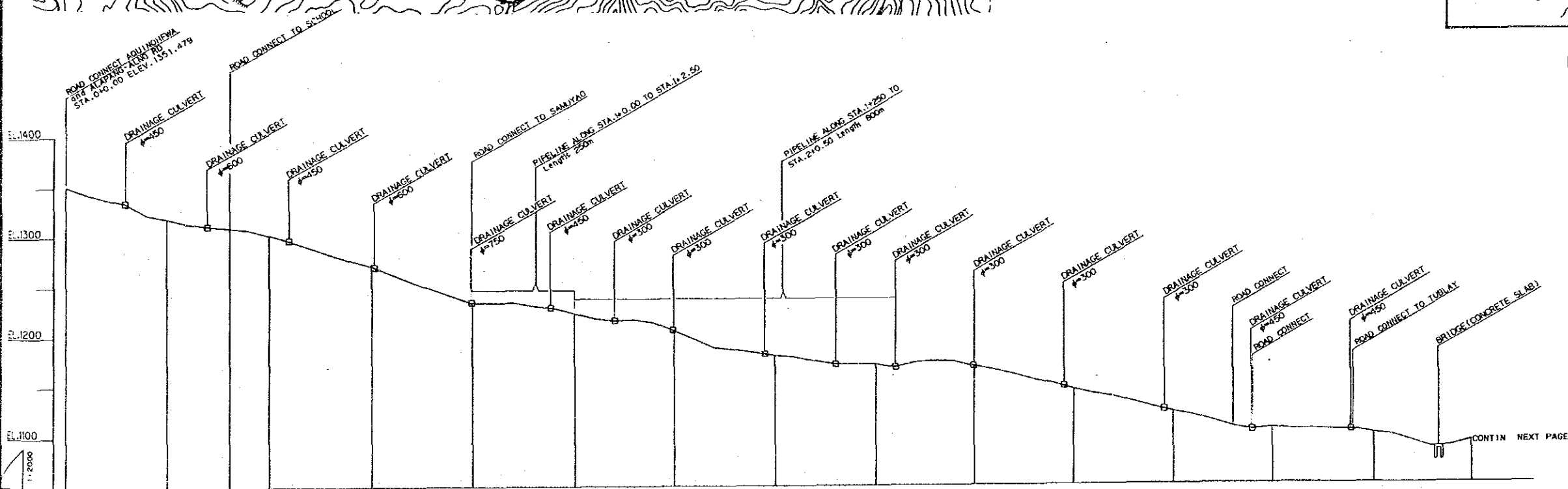
DATE _____ D.W.G. NO. **19**

JAPAN INTERNATIONAL COOPERATION AGENCY

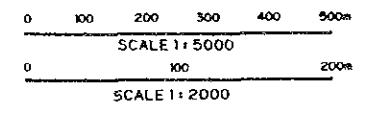
PLAN OF ROAD IMPROVEMENT



LOCATION OF ROAD



ROAD WIDTH	3.0M																																																																						
ROAD EL.	1350.86	1348.86	1346.95	1333.60	1330.05	1318.60	1313.63	1317.03	1308.04	1307.12	1302.00	1296.04	1289.59	1282.81	1276.94	1269.72	1262.82	1255.08	1246.67	1240.57	1233.86	1232.65	1233.63	1231.25	1228.66	1222.73	1216.90	1216.15	1213.66	1212.46	1200.20	1196.68	1189.75	1185.53	1182.54	1179.39	1177.86	1175.46	1172.78	1172.03	1141.01	1141.01	1141.01	1141.01	1145.23	1141.95	1136.17	1133.59	1126.78	1122.00	1118.64	1113.00	1108.48	1104.43	1105.92	1104.16	1104.34	1104.81	1102.92	1100.07	1091.54	1091.84	1087.05	1087.82	1092.41						
CUMULATED DISTANCE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	
STATION	STA. 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70



REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET

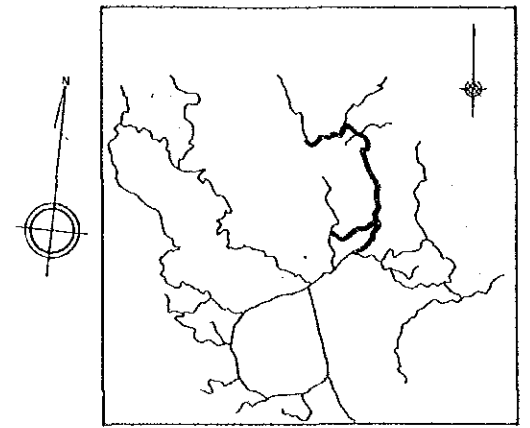
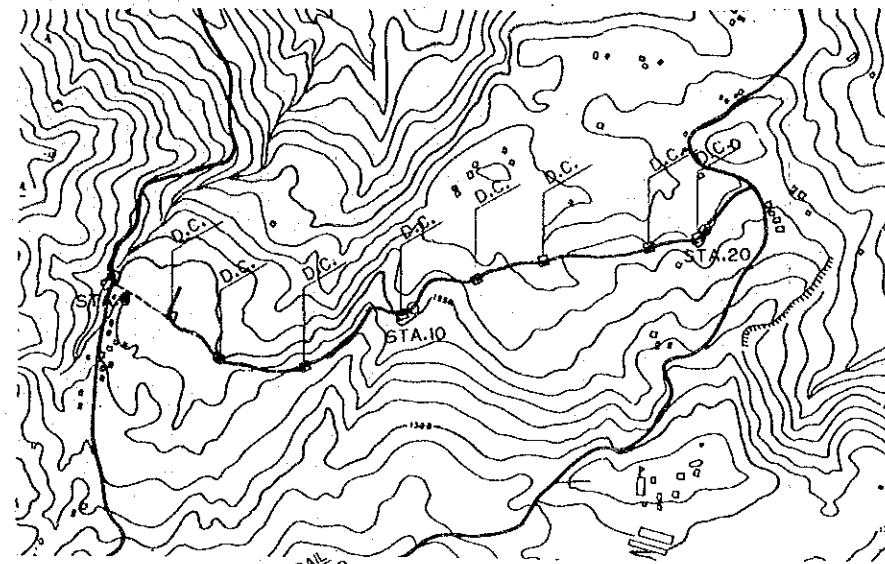
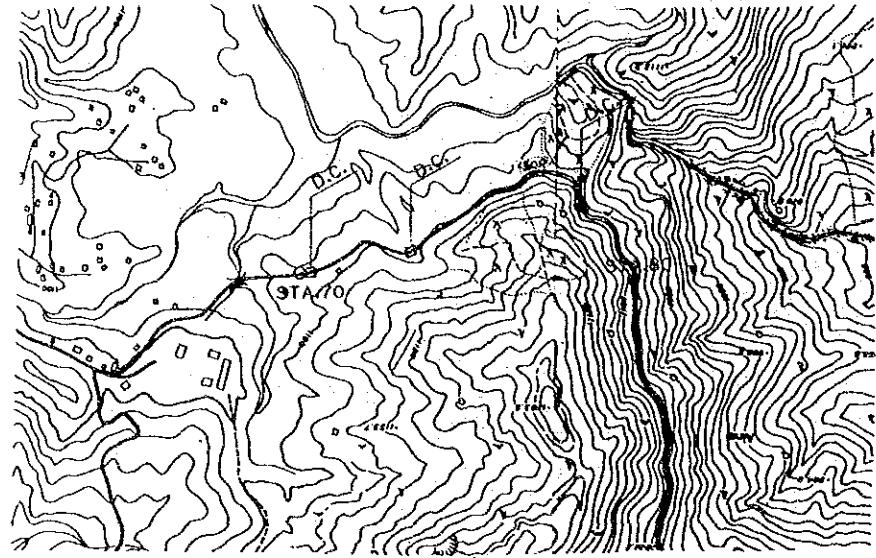
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

PLAN OF ROAD IMPROVEMENT
(CAMP DANGWA ALNO) (1)

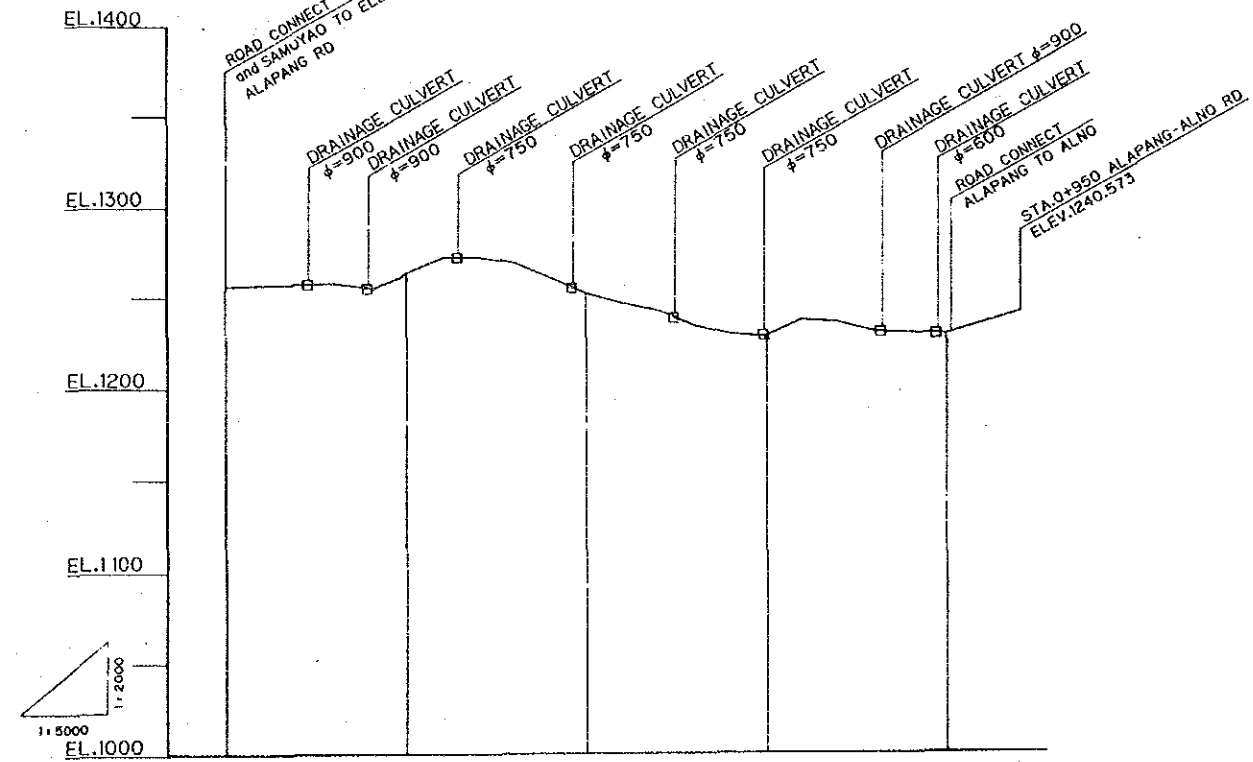
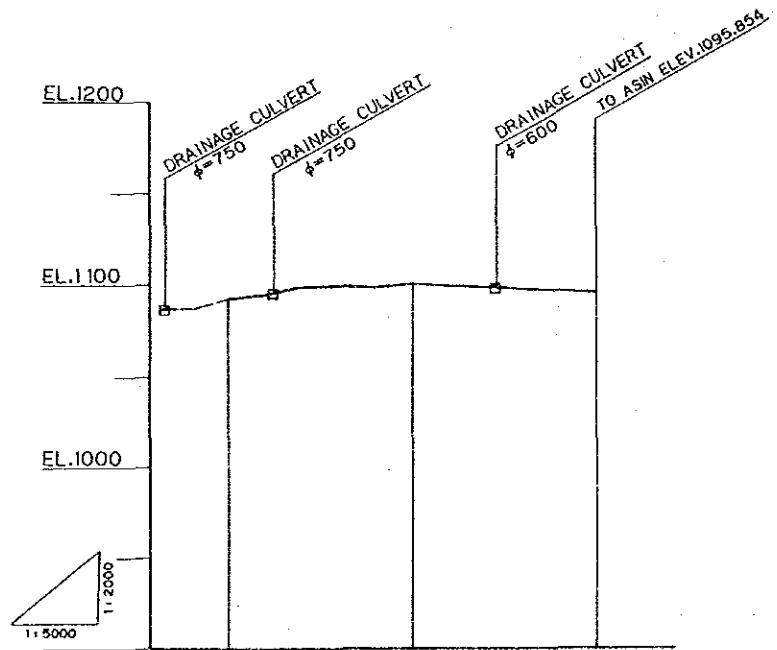
DATE: _____ D.W.G. NO. **20**

JAPAN INTERNATIONAL COOPERATION AGENCY

PLAN OF ROAD IMPROVEMENT

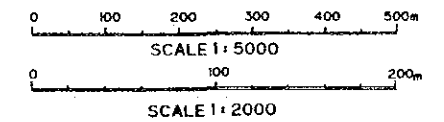


LOCATION OF ROAD



ROAD WIDTH	3.0M										
GROUND EL.	1092.41	1094.09	1096.20	1098.13	1098.02	1100.66	1099.63	1098.85	1097.71	1096.44	1095.85
ACCUMULATED DISTANCE	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000
DISTANCE	50	50	50	50	50	50	50	50	50	50	50
STATION	STA. 70	71	72	73	74	STA. 75	76	77	78	79	STA. 80

ROAD WIDTH	3.0M																					
GROUND EL.	1255.99	1255.33	1256.36	1256.32	1254.41	1262.53	1270.62	1270.10	1267.10	1259.39	1250.42	1245.65	1241.317	1232.74	1228.73	1227.55	1235.40	1234.53	1229.90	1228.25	1227.89	1232.90
ACCUMULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	STA. 0	1	2	3	4	STA. 5	6	7	8	9	STA. 10	11	12	13	14	STA. 15	16	17	18	19	STA. 20	21



REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET

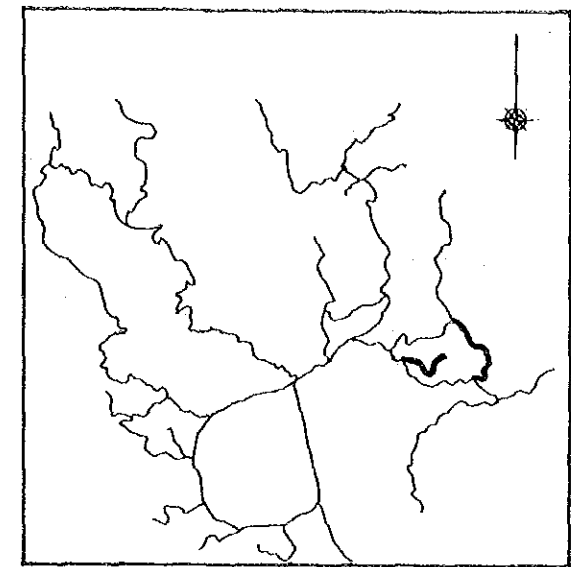
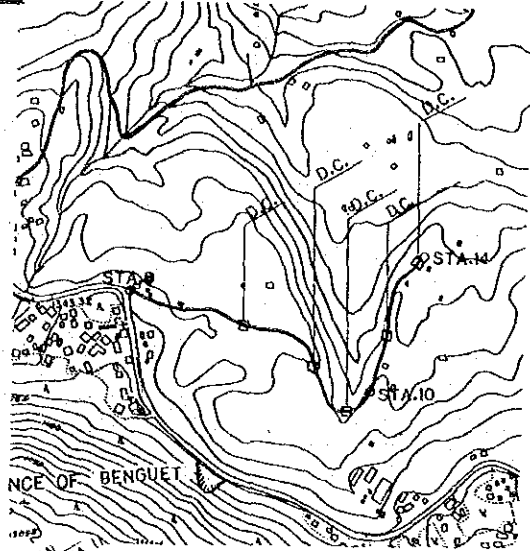
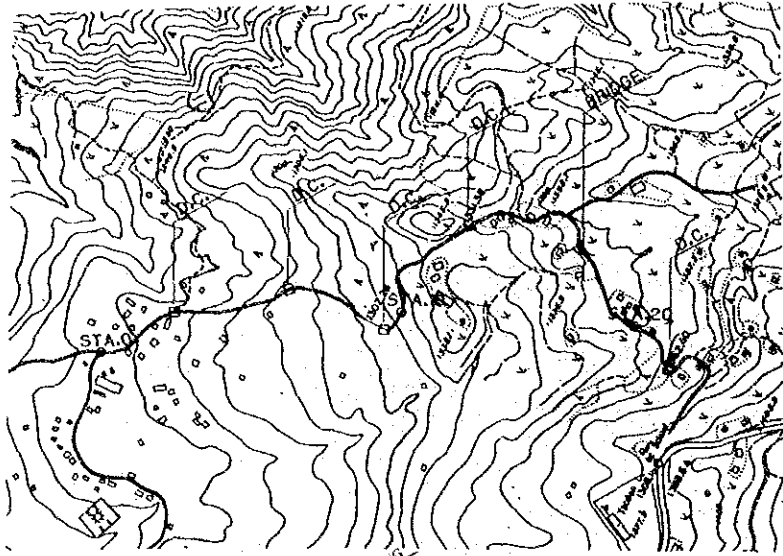
THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD

PLAN OF ROAD IMPROVEMENT
 (CAMP DANGWA - ALNO) (2)
 (SAMUYAO - ALAPANG PROPER)

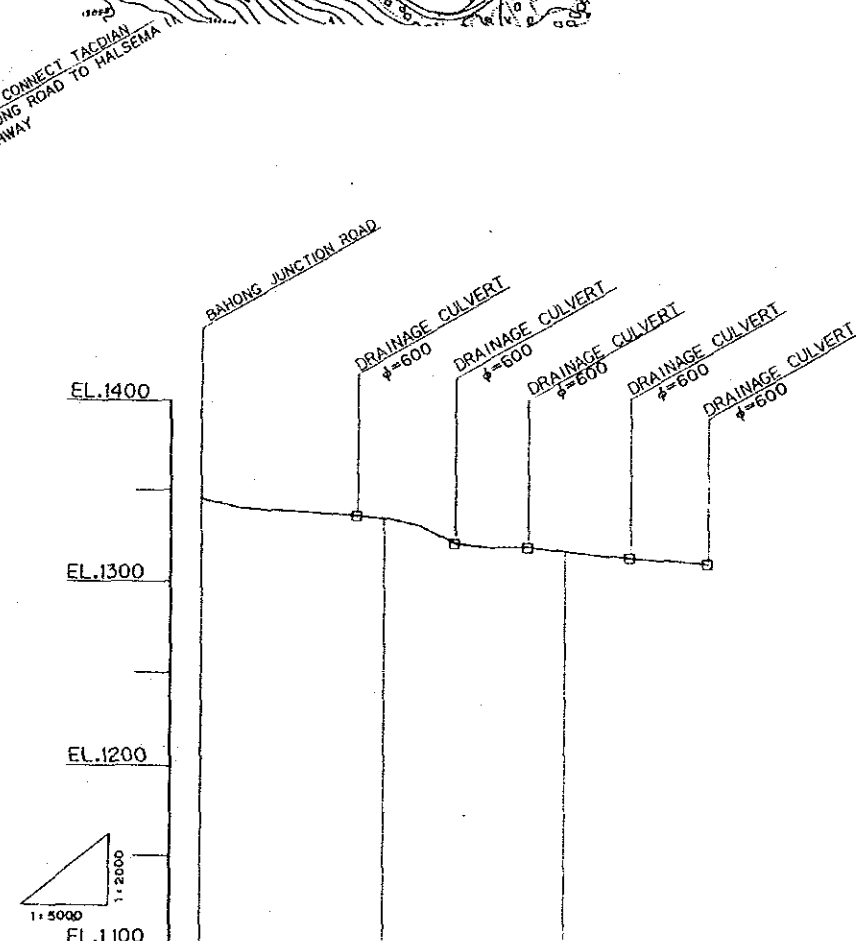
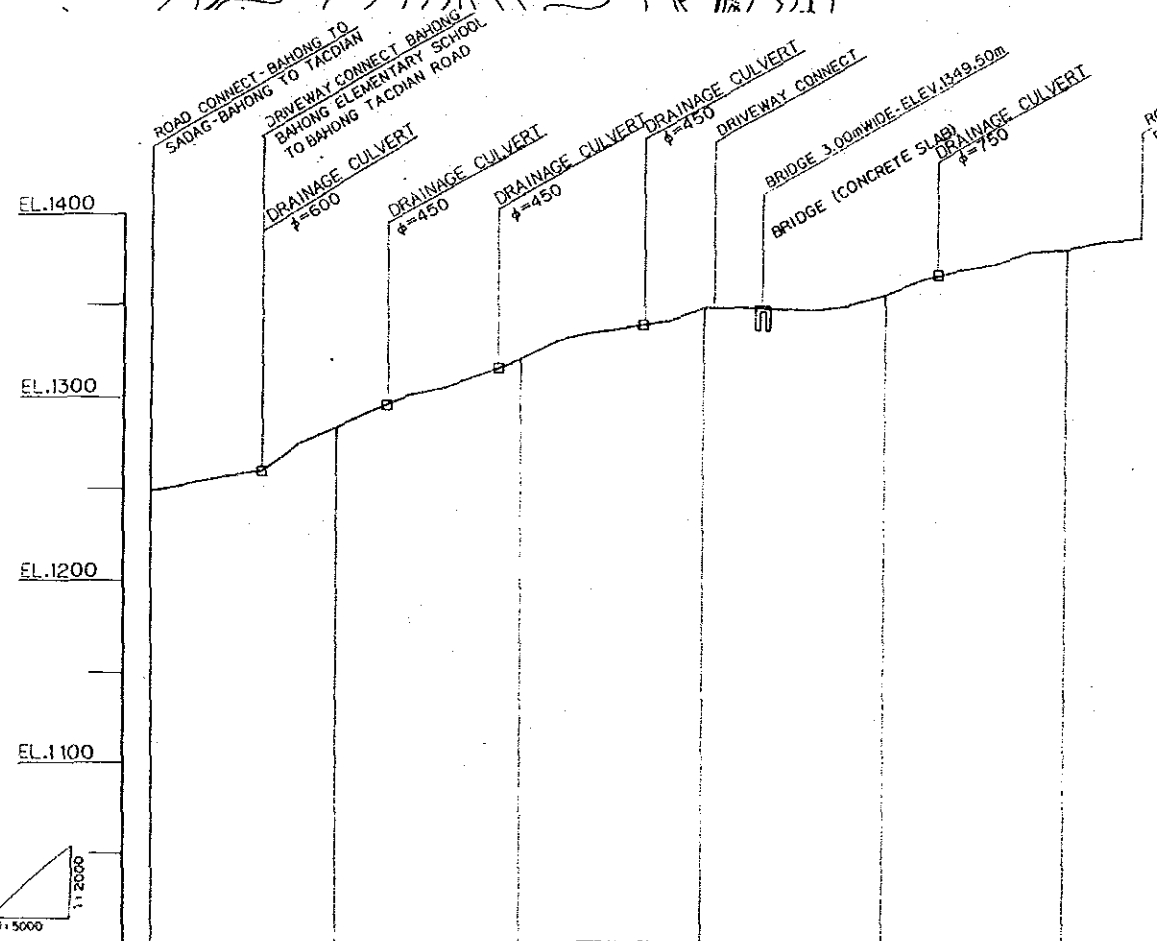
DATE _____ D.W.G. NO. **21**

JAPAN INTERNATIONAL COOPERATION AGENCY

PLAN OF ROAD IMPROVEMENT

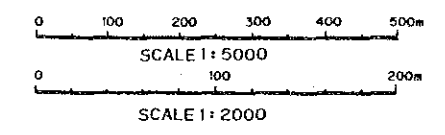


LOCATION OF ROAD



ROAD WIDTH	30M																											
GROUND EL.	1249.47	1253.62	1257.90	1260.56	1275.92	1283.60	1293.47	1301.36	1306.97	1314.72	1322.94	1332.69	1336.63	1339.51	1343.77	1349.06	1350.19	1349.83	1349.43	1352.41	1357.11	1365.32	1370.12	1374.19	1318.40	1366.64	1368.14	1368.14
ACCUMULATED DISTANCE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
STATION	STA.0	1	2	3	4	STA.5	6	7	8	9	STA.10	11	12	13	14	STA.15	16	17	18	19	STA.20	21	22	23	24	STA.25	26	27

ROAD WIDTH	30M														
GROUND EL.															
ACCUMULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
STATION	STA.0	1	2	3	4	STA.5	6	7	8	9	STA.10	11	12	13	14

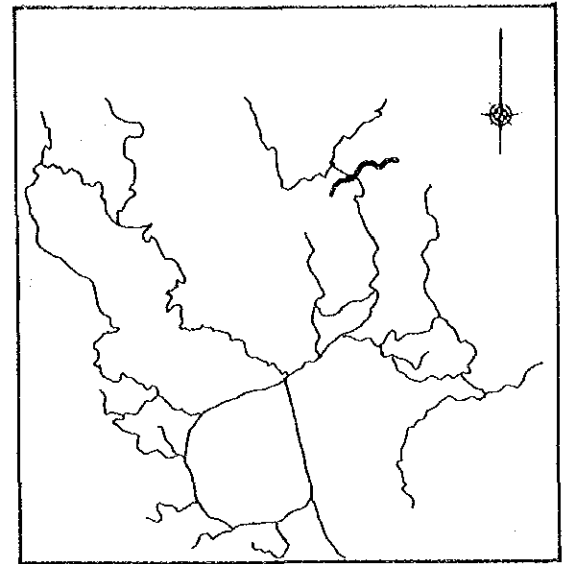
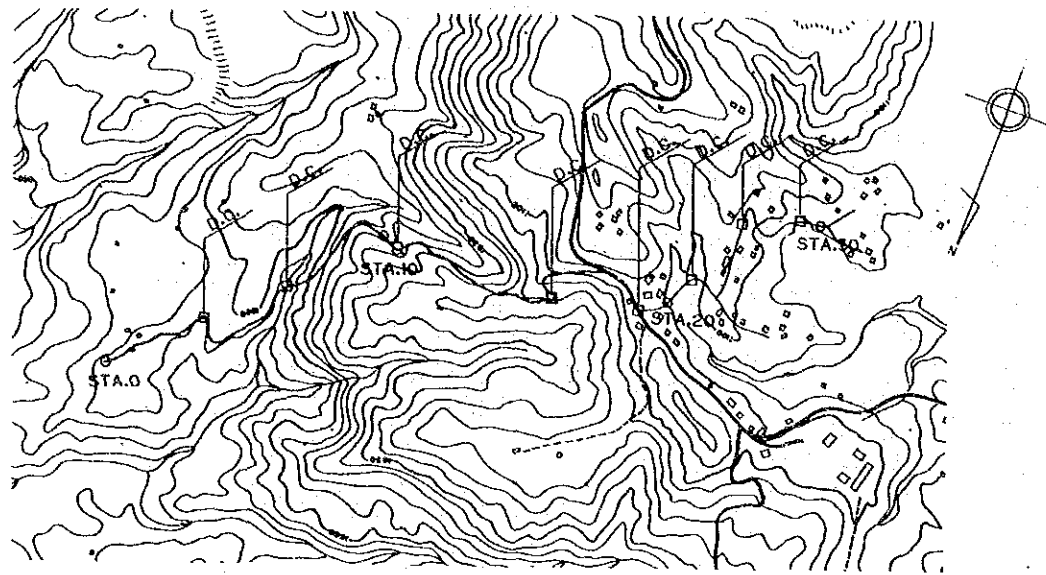


REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET
 THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD
 PLAN OF ROAD IMPROVEMENT
 (TOMAY - BAHONG PROPER)
 (CAMP DANGWA - MAE BAHONG)

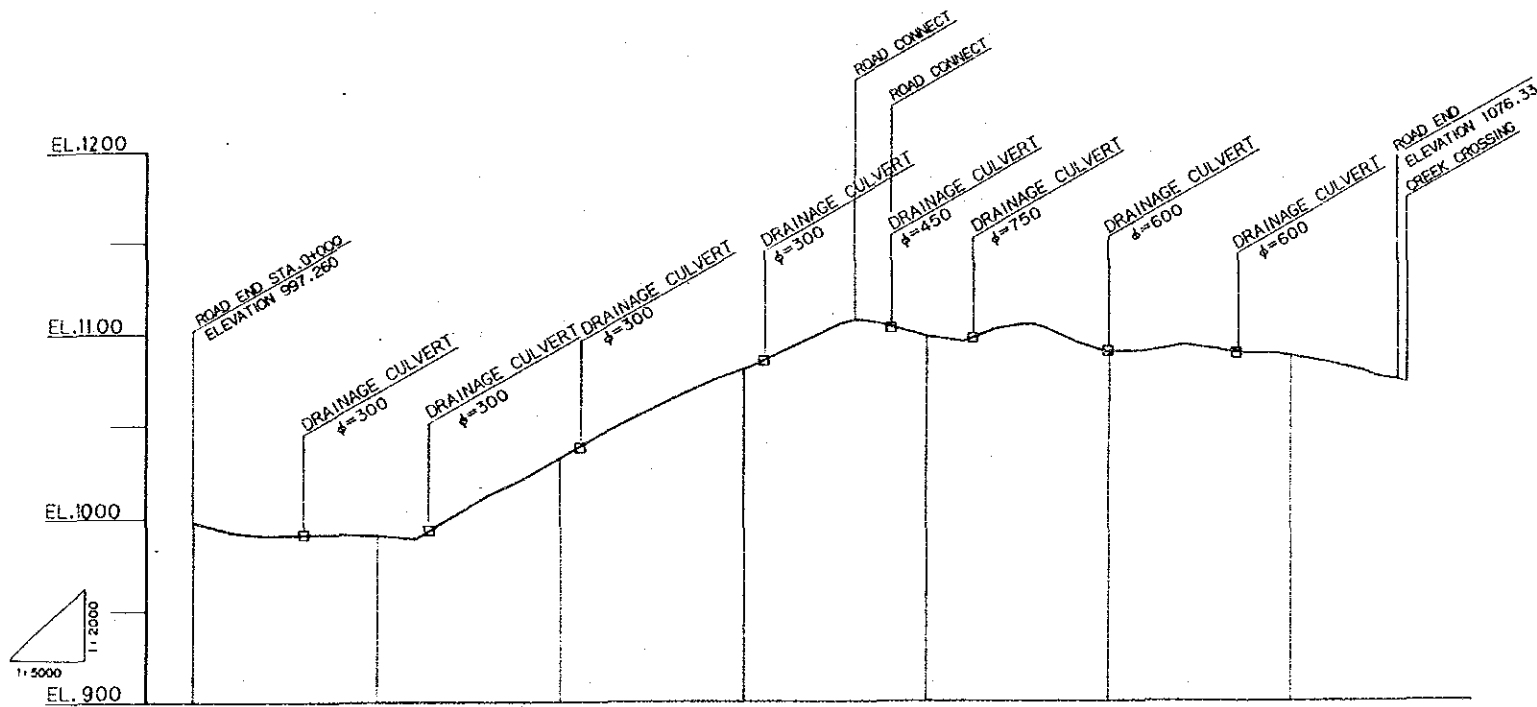
DATE: _____ D.W.G. NO. **23**

JAPAN INTERNATIONAL COOPERATION AGENCY

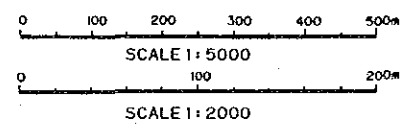
PLAN OF ROAD IMPROVEMENT



LOCATION OF ROAD



ROAD WIDTH	3.0M																																	
GROUND EL.	987.260	982.272	990.70	991.311	991.547	989.830	1000.470	1012.510	1022.900	1033.60	1045.151	1055.613	1065.59	1074.916	1081.905	1091.614	1100.908	108.771	1104.429	1099.423	1096.638	1106.086	1105.700	1098.000	1091.311	1091.397	1094.117	1091.798	1090.114	1088.84	1085.760	1080.850	1076.330	
ACCUMULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650
DISTANCE		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	STA.0	1	2	3	4	STA.5	6	7	8	9	STA.10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33



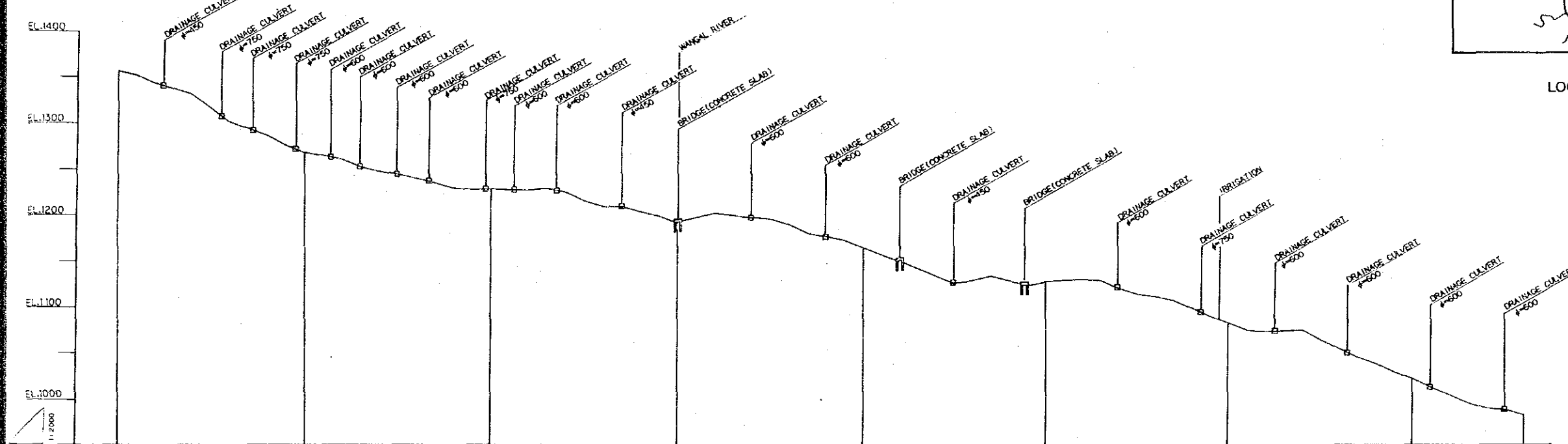
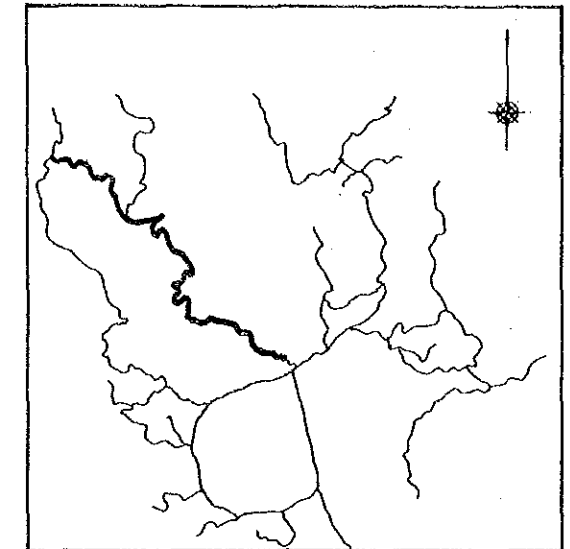
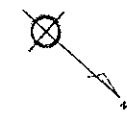
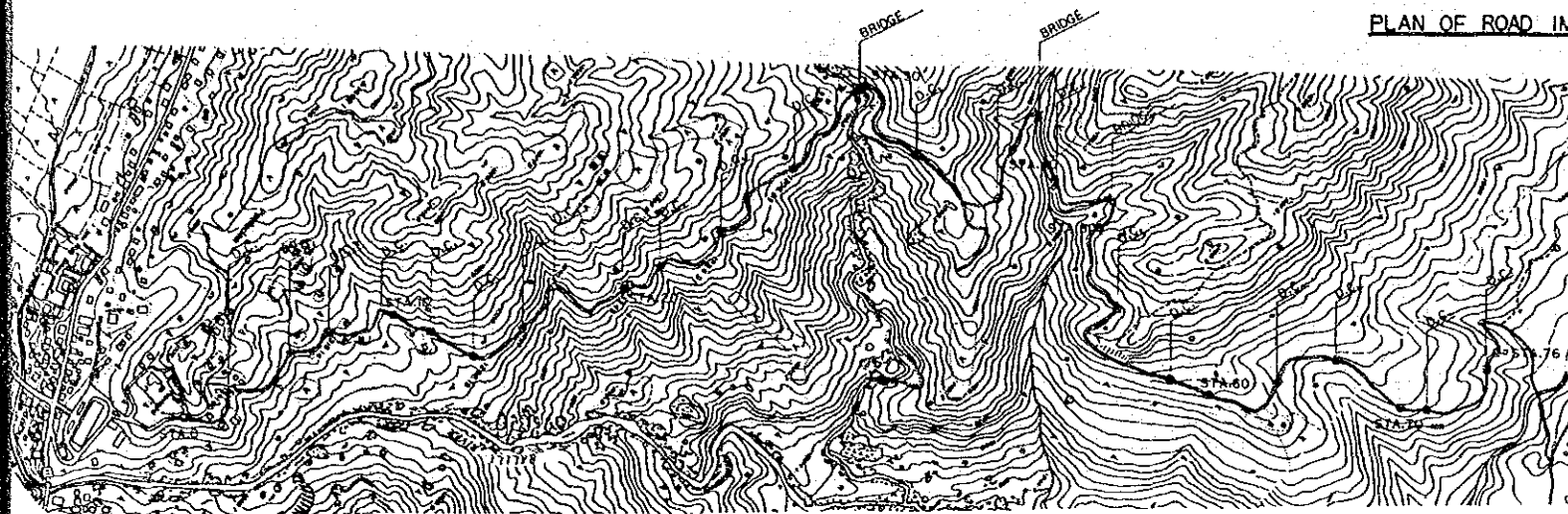
REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET

THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD

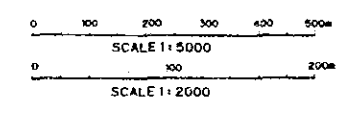
PLAN OF ROAD IMPROVEMENT
 (WEST ALNO - EAST ALNO)

DATE	D.W.G. NO.	24
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JAPAN INTERNATIONAL COOPERATION AGENCY

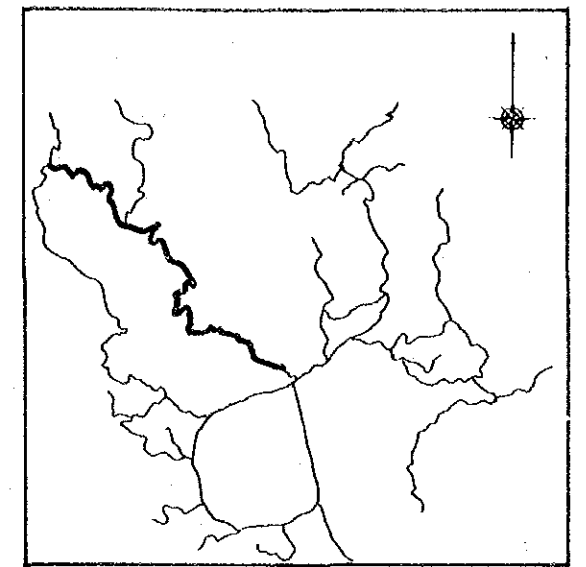
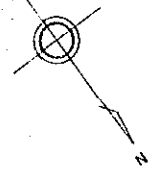
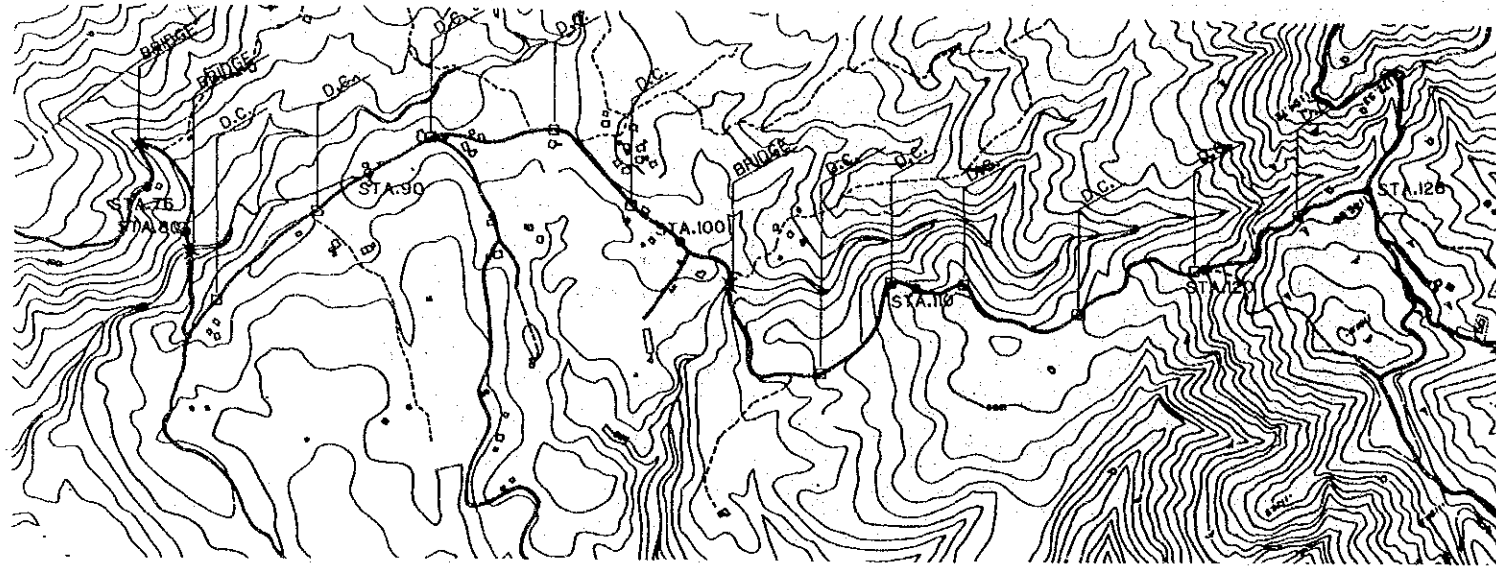


ROAD WIDTH	3.0M																																							
GROUND EL.	1332.08	1344.57	1330.36	1301.46	1286.64	1269.56	1261.79	1247.33	1241.49	1230.46	1223.99	1229.79	1226.18	1211.56	1206.71	1194.56	1204.08	1196.48	1192.80	1178.06	1187.33	1152.02	1137.04	1130.68	1129.47	1128.50	1131.92	1121.69	1112.56	1100.50	1083.14	1073.29	1075.04	1056.24	1040.01	1023.71	997.29	990.87	976.19	
CUMULATED DISTANCE	50	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	STA. 0	1	2	4	6	8	STA. 10	12	14	16	18	STA. 20	22	24	26	28	STA. 30	32	34	36	38	STA. 40	42	44	46	48	STA. 50	52	54	56	58	STA. 60	62	64	66	68	STA. 70	72	74	76

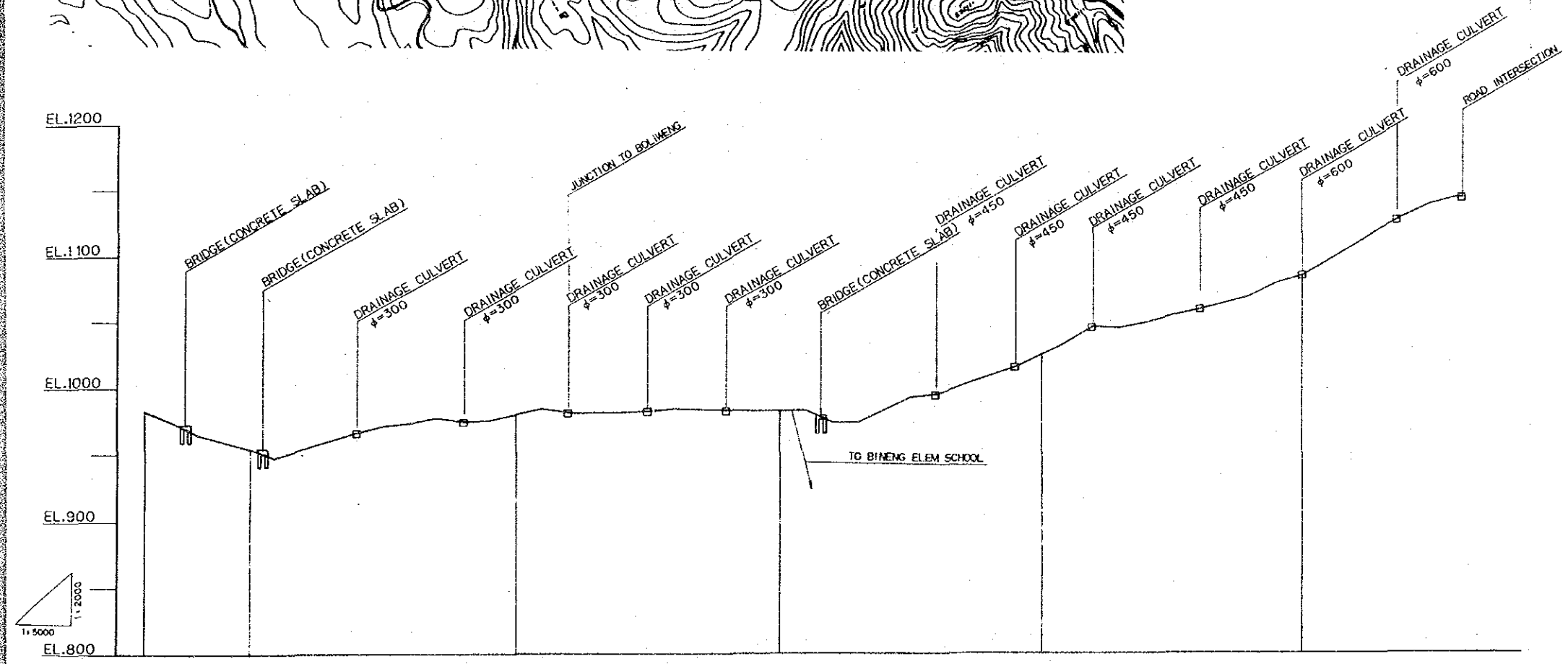


REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET
 THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD
 PLAN OF ROAD IMPROVEMENT
 (CAPITOL-BINENG PROPER-YAPOS) (1)
 DATE: _____ D.W.G. NO. **25**
 JAPAN INTERNATIONAL COOPERATION AGENCY

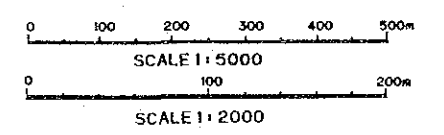
PLAN OF ROAD IMPROVEMENT



LOCATION OF ROAD

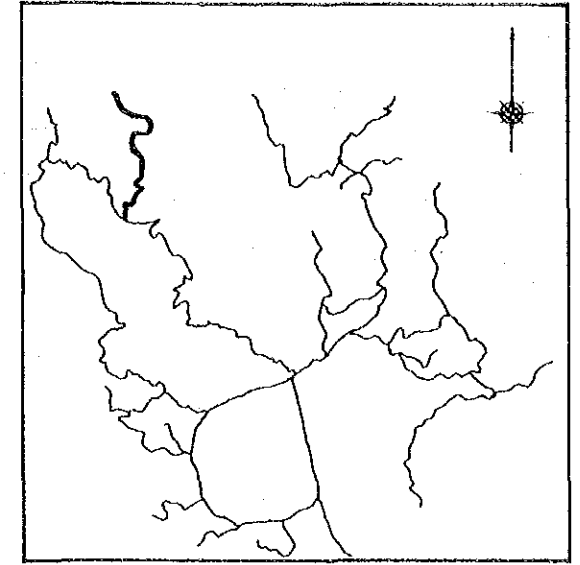
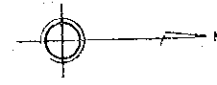
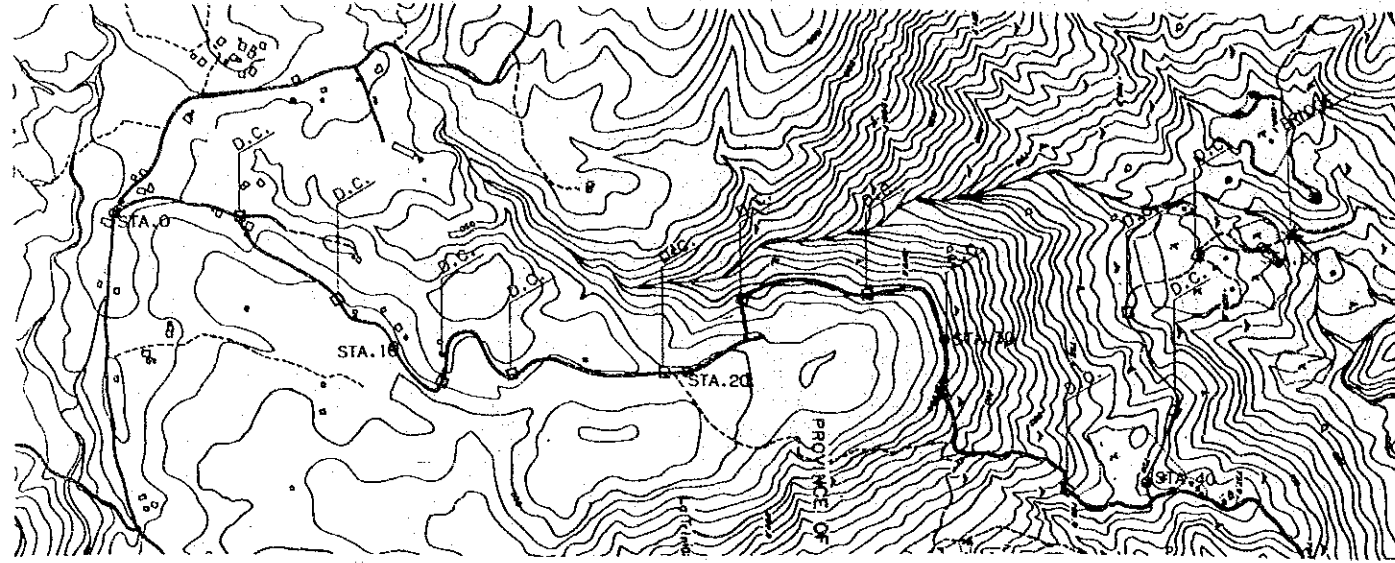


ROAD WIDTH	3.0 M																										
GROUND EL.	967.67	961.40	950.81	962.81	972.89	977.79	977.11	984.22	981.70	982.95	985.54	982.95	983.35	974.33	993.12	1002.82	1017.46	1035.70	1046.08	1054.50	1064.27	1079.93	1087.44	1120.56	1136.79	1144.89	
ACCUMULATED DISTANCE	3850	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300	
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
STATION	STA. 76	77	78	STA. 80	82	84	86	88	STA. 90	92	94	96	98	STA. 100	102	104	106	108	STA. 110	112	114	116	118	STA. 120	122	124	126

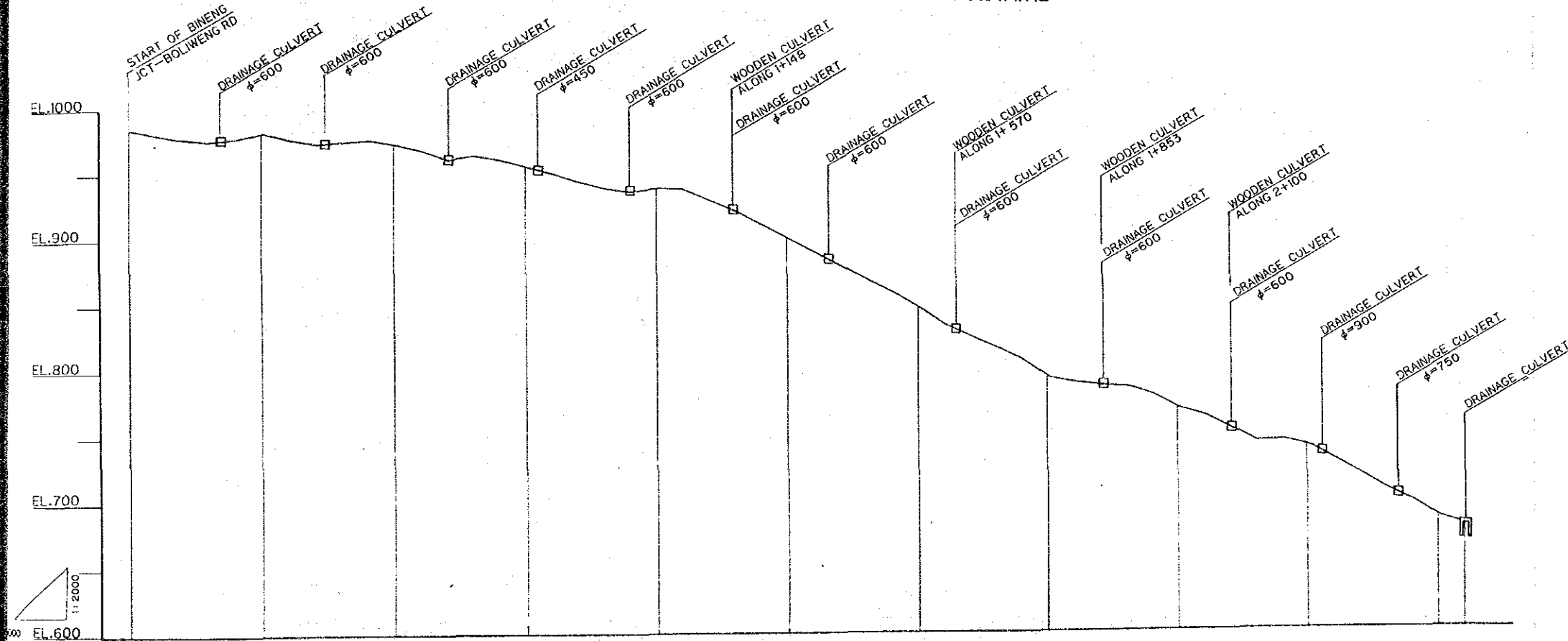


REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET
 THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD
 PLAN OF ROAD IMPROVEMENT
 (CAPITOL - BINENG PROPER - YAPOS) (2)
 DATE _____ D.W.G. NO. **26**
 JAPAN INTERNATIONAL COOPERATION AGENCY

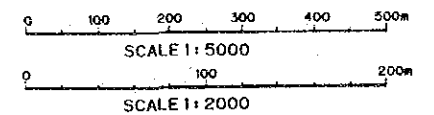
PLAN OF ROAD IMPROVEMENT



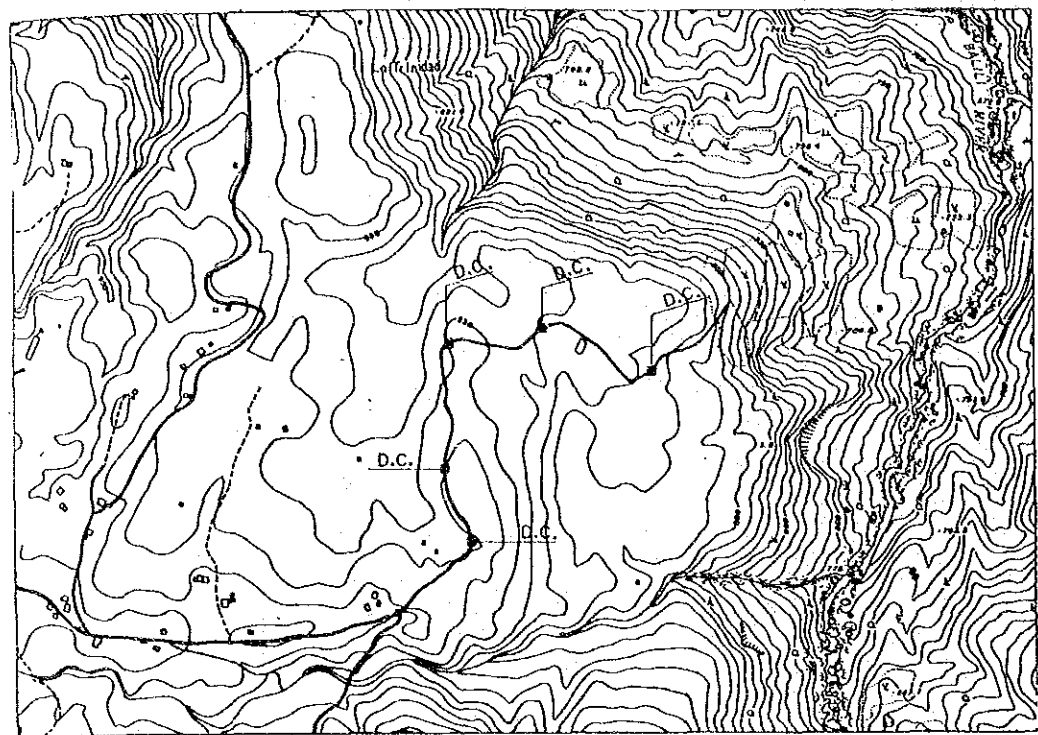
LOCATION OF ROAD



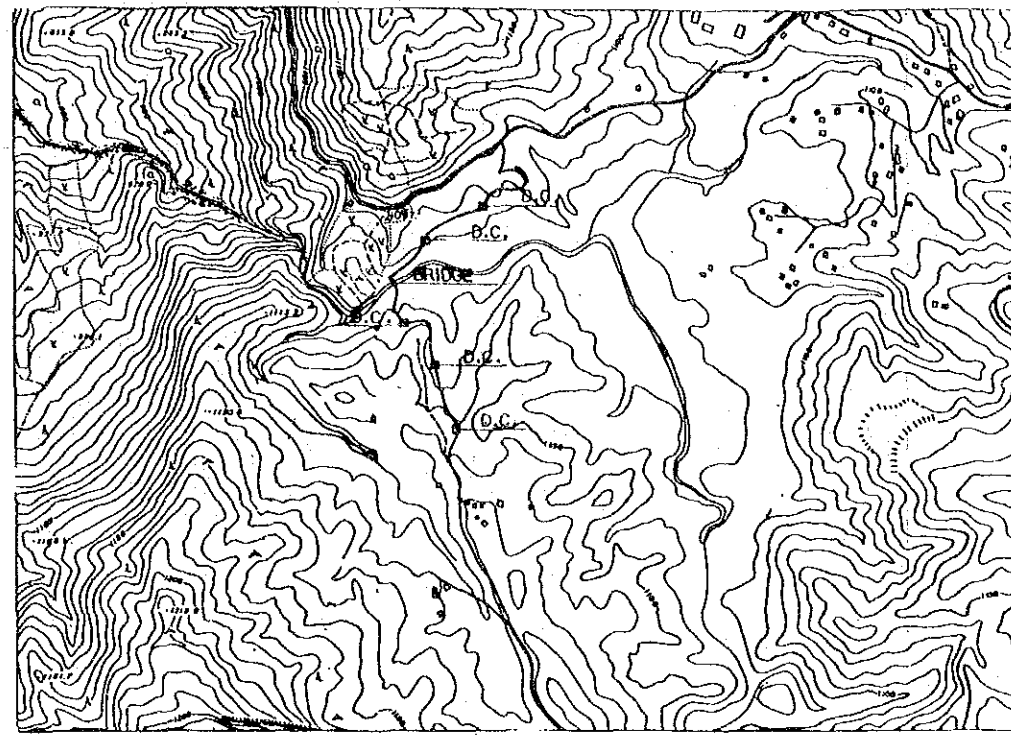
ROAD WIDTH	3.0 M																																																					
GROUND EL.	982.85	977.49	975.44	973.19	975.87	966.13	975.29	972.69	973.38	974.54	972.49	967.26	960.56	964.10	954.06	948.70	940.98	938.06	935.81	938.14	937.35	928.24	920.13	910.80	900.45	889.52	879.71	879.71	867.58	858.81	846.95	834.30	825.48	817.15	807.49	793.44	788.85	787.34	784.48	778.68	769.27	762.90	752.74	742.58	744.68	739.37	728.40	718.24	704.83	696.53	684.68	677.92		
ACCUMULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550		
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	STA. 0	1	2	3	4	STA. 5	6	7	8	9	STA. 10	11	12	13	14	STA. 15	16	17	18	19	STA. 20	21	22	23	24	STA. 25	26	27	28	29	STA. 30	31	32	33	34	STA. 35	36	37	38	39	STA. 40	41	42	43	44	45	STA. 45	46	47	48	49	STA. 50	51	



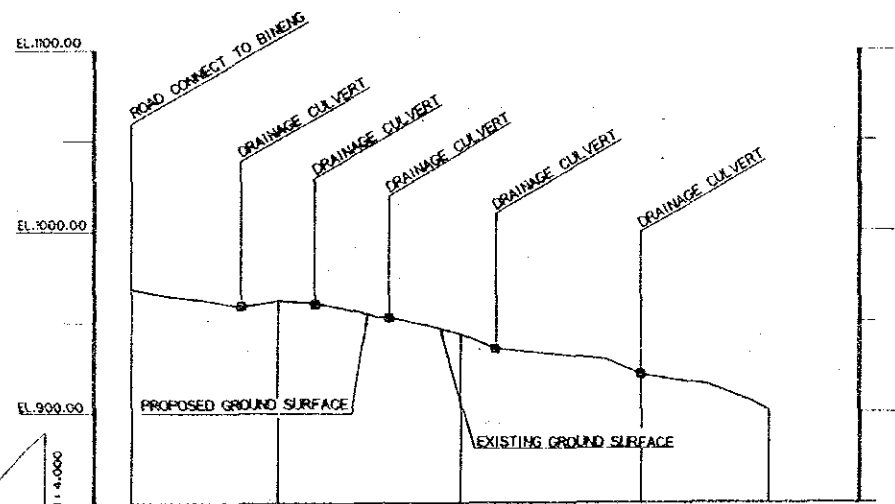
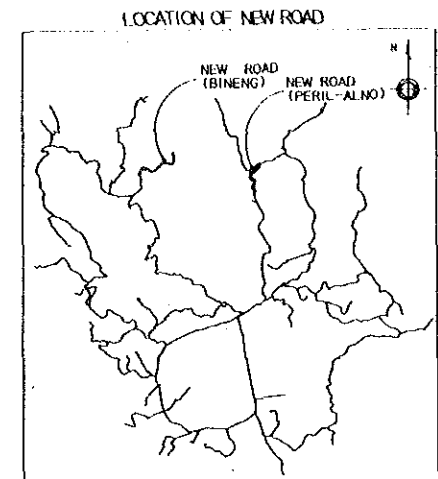
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
PLAN OF ROAD IMPROVEMENT (BINENG-BOLEWENG)	
DATE	D.W.G. NO. 27
JAPAN INTERNATIONAL COOPERATION AGENCY	



PLAN OF NEW ROAD (BINENG)
SCALE 1:10,000

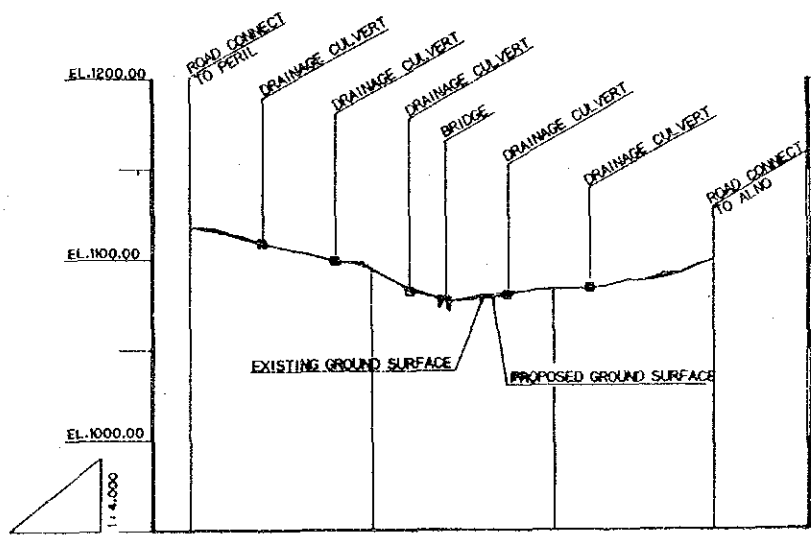


PLAN OF NEW ROAD (PERIL-ALNO)
SCALE 1:10,000



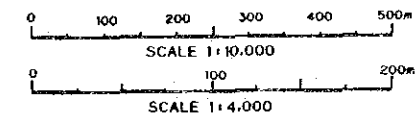
ROAD WIDTH	3.0M																						
PROPOSED ELEVATION	966.54	964.87	961.34	959.51	959.51	962.03	960.22	957.72	953.69	952.42	948.51	943.52	935.42	934.76	934.85	931.00	929.60	920.26	917.36	915.70	914.59	906.27	901.00
GROUND ELEVATION	966.54	964.87	961.34	959.51	959.51	962.03	960.22	957.72	953.69	952.42	948.51	943.52	935.42	934.76	934.85	931.00	929.60	920.26	917.36	915.70	914.59	906.27	901.00
ACCUMULATED DISTANCE	0.0	50.0	100.0	155.0	200.0	250.0	300.0	336.0	350.0	400.0	450.0	500.0	532.0	550.0	600.0	650.0	700.0	750.0	791.0	800.0	850.0	875.0	
DISTANCE	0.0	50.0	50.0	45.0	50.0	50.0	50.0	36.0	14.0	50.0	50.0	50.0	32.0	18.0	50.0	50.0	50.0	50.0	40.0	10.0	50.0	25.0	
STATION	STA. 1	2	3	+45.00	STA. 5	6	7	+36.00	8	9	STA. 10	10	11	+32.00	12	13	14	15	16	+41.00	17	+25.00	

PROFILE OF NEW ROAD (BINENG)
SCALE H:1:10,000 V:1:4,000



ROAD WIDTH	3.0M																										
PROPOSED ELEVATION	1118.50	1116.45	1114.00	1111.66	1109.79	1104.34	1099.84	1097.00	1094.50	1094.00	1088.64	1082.74	1079.90	1077.16	1073.40	1062.20	1062.00	1063.93	1063.90	1064.46	1065.75	1068.00	1090.34	1092.42	1092.52	1100.42	
GROUND ELEVATION	1118.50	1117.79	1114.16	1112.62	1109.79	1104.34	1099.84	1097.00	1094.50	1094.00	1088.64	1082.74	1079.90	1077.16	1073.40	1062.20	1062.00	1063.93	1063.90	1064.46	1065.75	1068.00	1090.34	1092.42	1092.52	1100.42	
ACCUMULATED DISTANCE	0.0	25.6	50.0	79.0	100.0	150.0	200.0	239.0	250.0	276.0	300.0	335.5	347.7	350.0	400.0	437.0	456.0	500.0	534.6	550.0	571.5	600.0	622.0	650.0	676.0	700.0	719.0
DISTANCE	0.0	25.6	25.0	21.0	30.0	36.0	39.0	11.0	26.0	24.0	30.5	12.2	2.3	50.0	37.0	19.0	50.0	34.6	15.4	21.5	28.5	22.0	28.0	26.0	24.0	19.0	
STATION	STA. 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

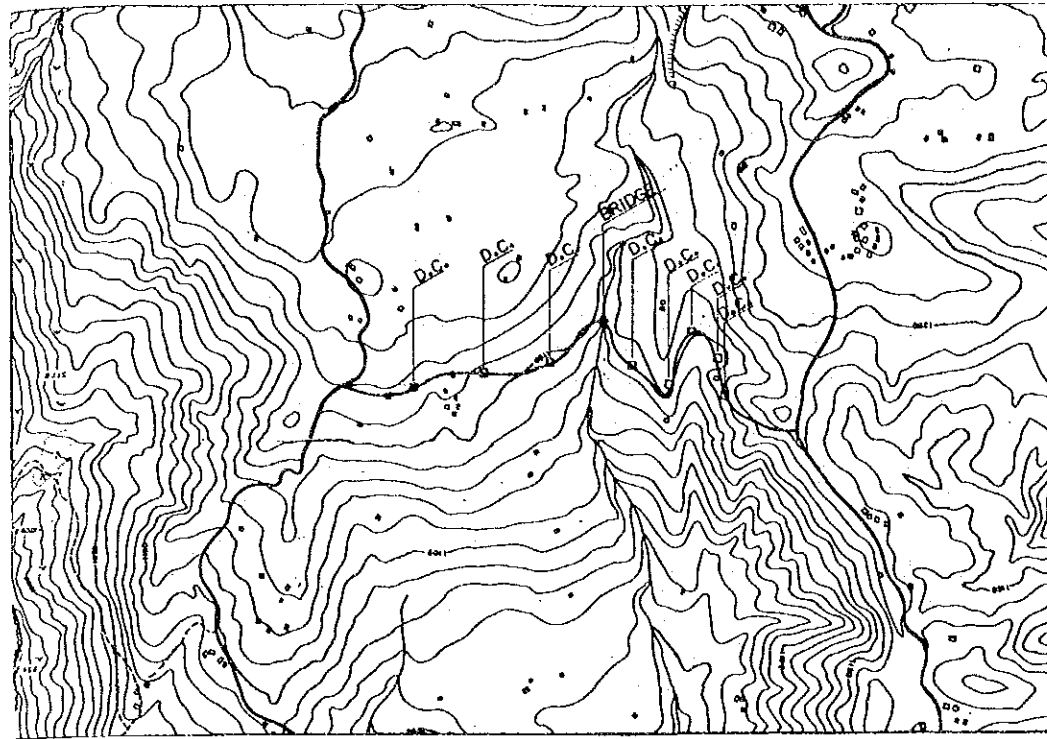
PROFILE OF NEW ROAD (PERIL-ALNO)
SCALE H:1:10,000 V:1:4,000



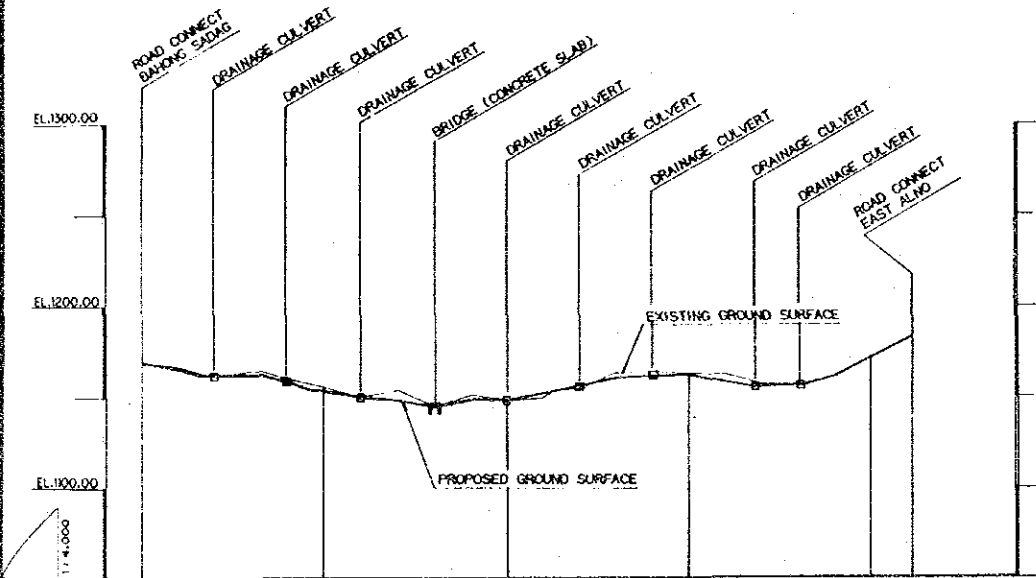
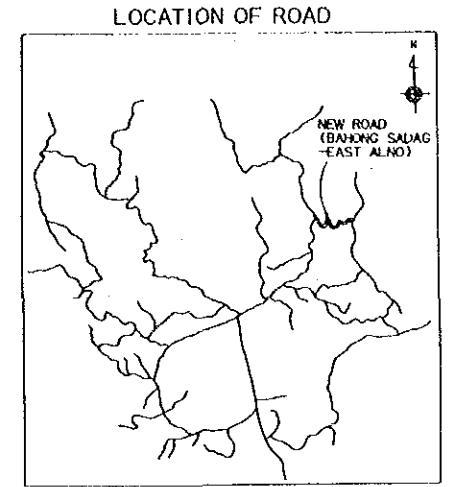
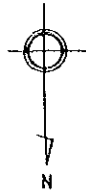
REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

**PLAN OF NEW ROAD
(BINENG, PERIL-ALNO)**

DATE _____ D.W.G. NO. **28**
JAPAN INTERNATIONAL COOPERATION AGENCY

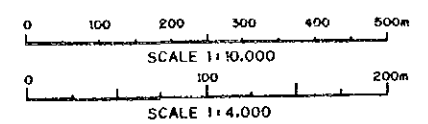


PLAN OF NEW ROAD (BAHONG SADAG-EAST ALNO)
SCALE 1:10,000



ROAD WIDTH	3.0M																																											
PROPOSED ELEVATION	1169.35	1166.20	1163.14	1162.20	1162.50	1159.50	1155.19	1153.90	1150.36	1150.30	1151.71	1149.30	1148.50	1151.46	1148.50	1148.61	1150.62	1152.60	1154.96	1154.10	1155.21	1156.50	1163.04	1160.56	1163.88	1161.00	1162.97	1162.00	1162.34	1158.24	1155.20	1157.10	1156.10	1157.25	1156.10	1157.66	1155.60	1161.00	1171.14	1173.64	1161.28	1181.28	1182.57	1182.57
GROUND ELEVATION	1169.45	1167.00	1163.97	1162.21	1164.93	1164.31	1159.91	1155.19	1150.36	1150.31	1151.71	1149.30	1148.50	1151.46	1148.50	1148.61	1150.62	1152.60	1154.96	1154.10	1155.21	1156.50	1163.04	1160.56	1163.88	1161.00	1162.97	1162.00	1162.34	1158.24	1155.20	1157.10	1156.10	1157.25	1156.10	1157.66	1155.60	1161.00	1171.14	1173.64	1161.28	1181.28	1182.57	1182.57
ACCUMULATED DISTANCE	0	50	83.2	100	162.50	200	234	253.87	300	307	327	334	340	450	500	560	569	600	650	700	750	800	838	850	862.48	900	950	1000	1012	1050	1067													
DISTANCE	0	50	33.2	16.6	16.5	33.50	34.0	19.87	47.03	7	12	22.2	27.6	43	50	50	19	31	50	50	50	50	38	12	42.48	7.52	50	50	12	38														
STATION	STA.0	1	2	3	4	STA.5	6	7	8	9	STA.10	11	12	13	14	STA.15	16	17	18	19	STA.20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

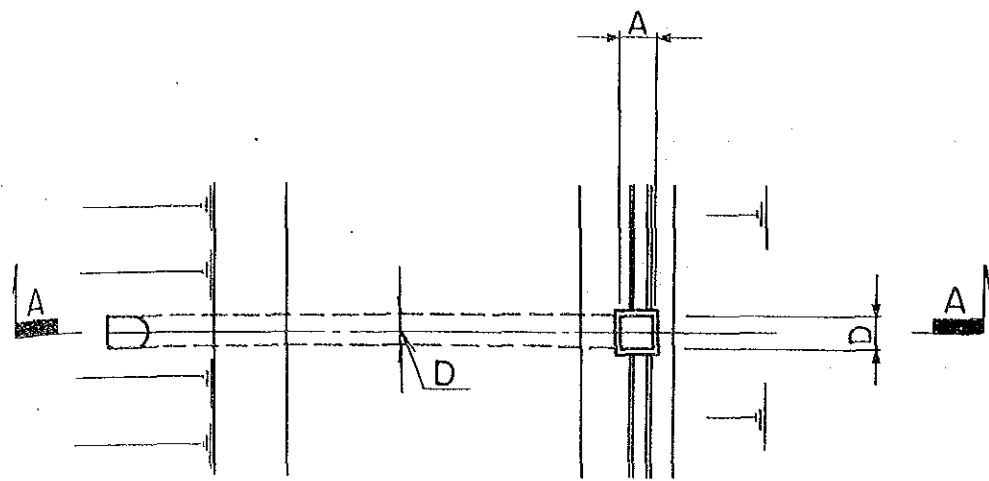
PROFILE OF NEW ROAD
SCALE H:1:10,000 V:1:4,000



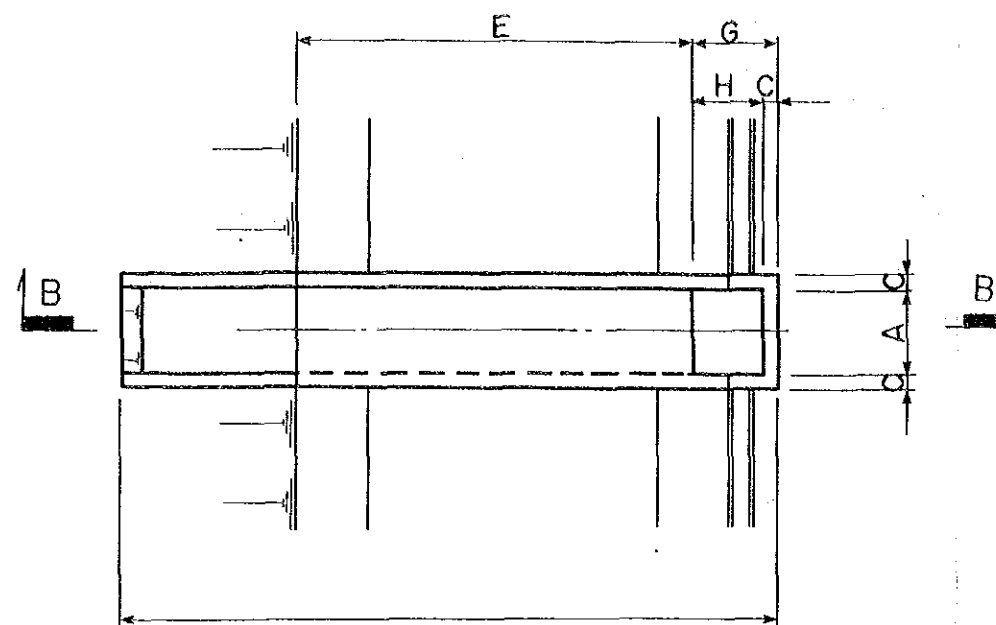
REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD
**PLAN OF NEW ROAD
(BAHONG-SADAG-EAST ALNO)**

DATE: _____ D.W.G.NO. **29**

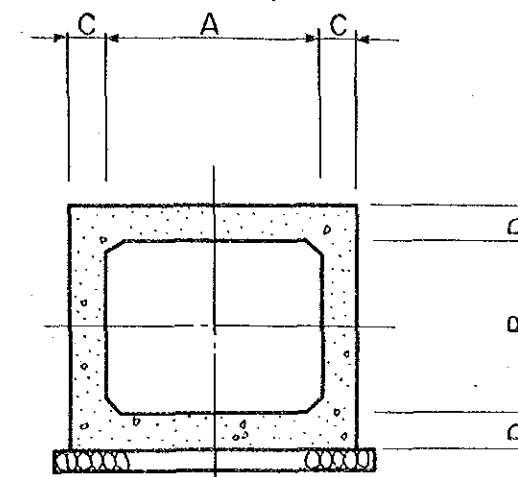
JAPAN INTERNATIONAL COOPERATION AGENCY



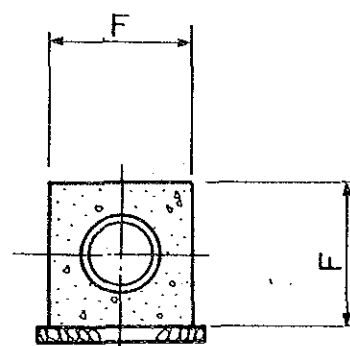
DRAINAGE PIPE



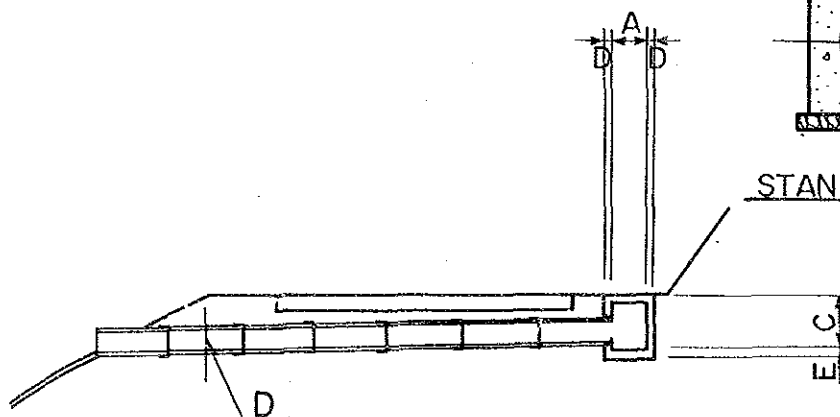
DRAINAGE CULVERT



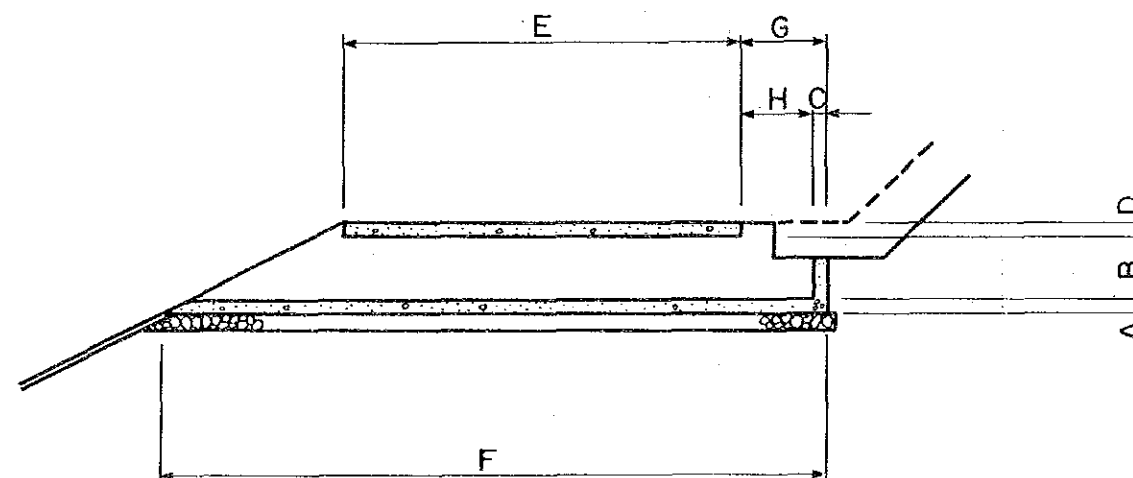
STANDARD SECTION



STANDARD SECTION



SECTION A-A



SECTION B-B

SCALE

D	A	B	C	D	E	F
φ 300	0.60	0.60	1.00	0.10	0.10	0.60
φ 450	0.75	0.75	1.20	0.10	0.10	0.75
φ 600	0.90	0.90	1.20	0.10	0.10	0.90
φ 750	1.00	1.00	1.50	0.15	0.15	1.05
φ 900	1.20	1.20	1.80	0.15	0.15	1.20

SCALE

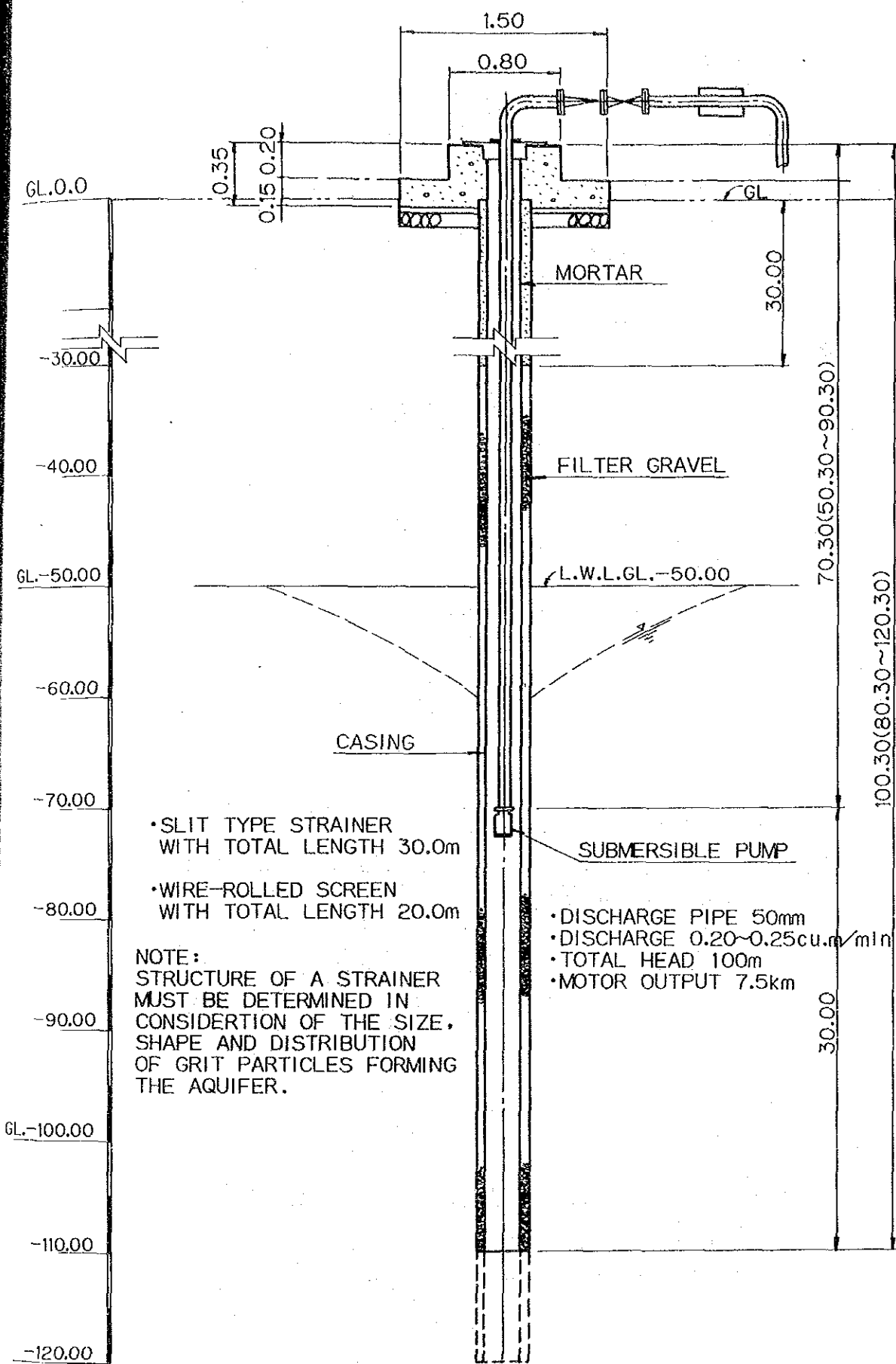
A	B	C	D	E	F	G	H
1.20	0.90	0.20	0.20	5.50	9.50	1.40	1.20
1.20	1.50	0.20	0.20	5.50	10.70	1.40	1.20
1.20	1.50	0.20	0.20	5.50	11.00	1.70	1.50

REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

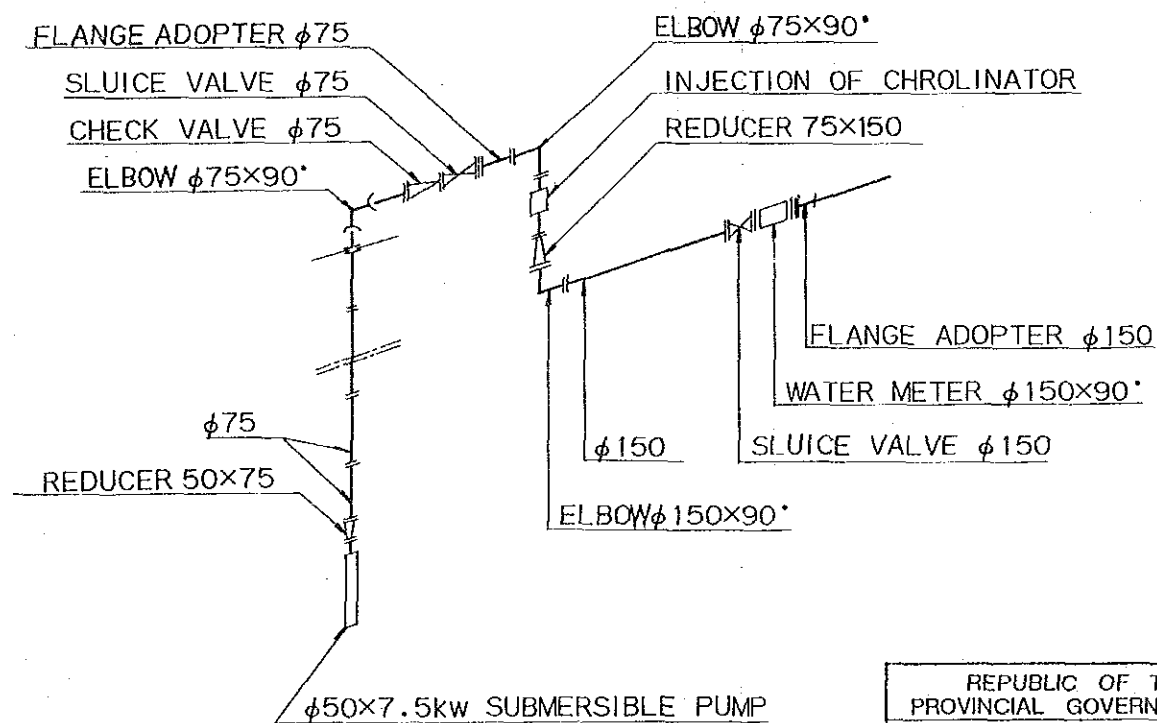
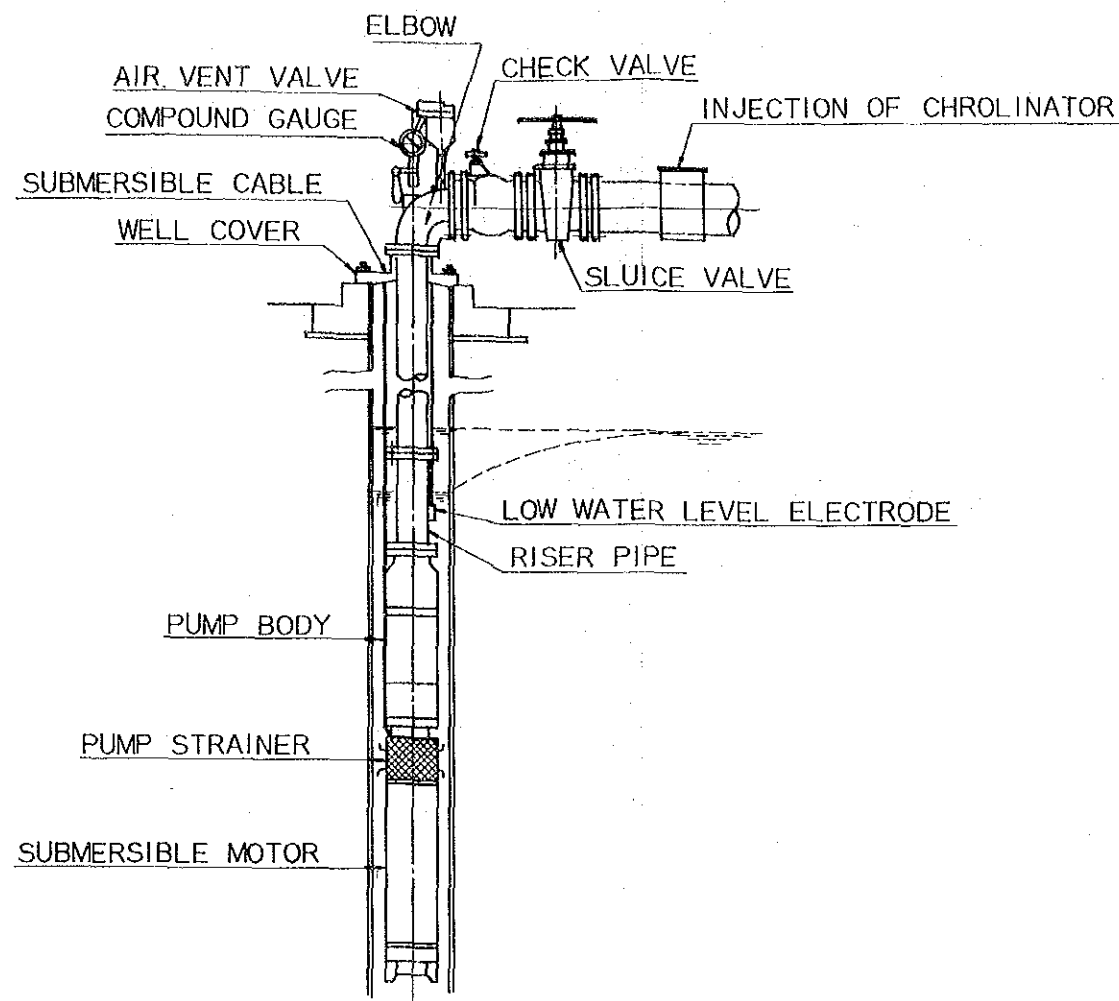
PLAN OF DRAINAGE OF ROAD

DATE _____ D.W.G. NO. **30**

JAPAN INTERNATIONAL COOPERATION AGENCY



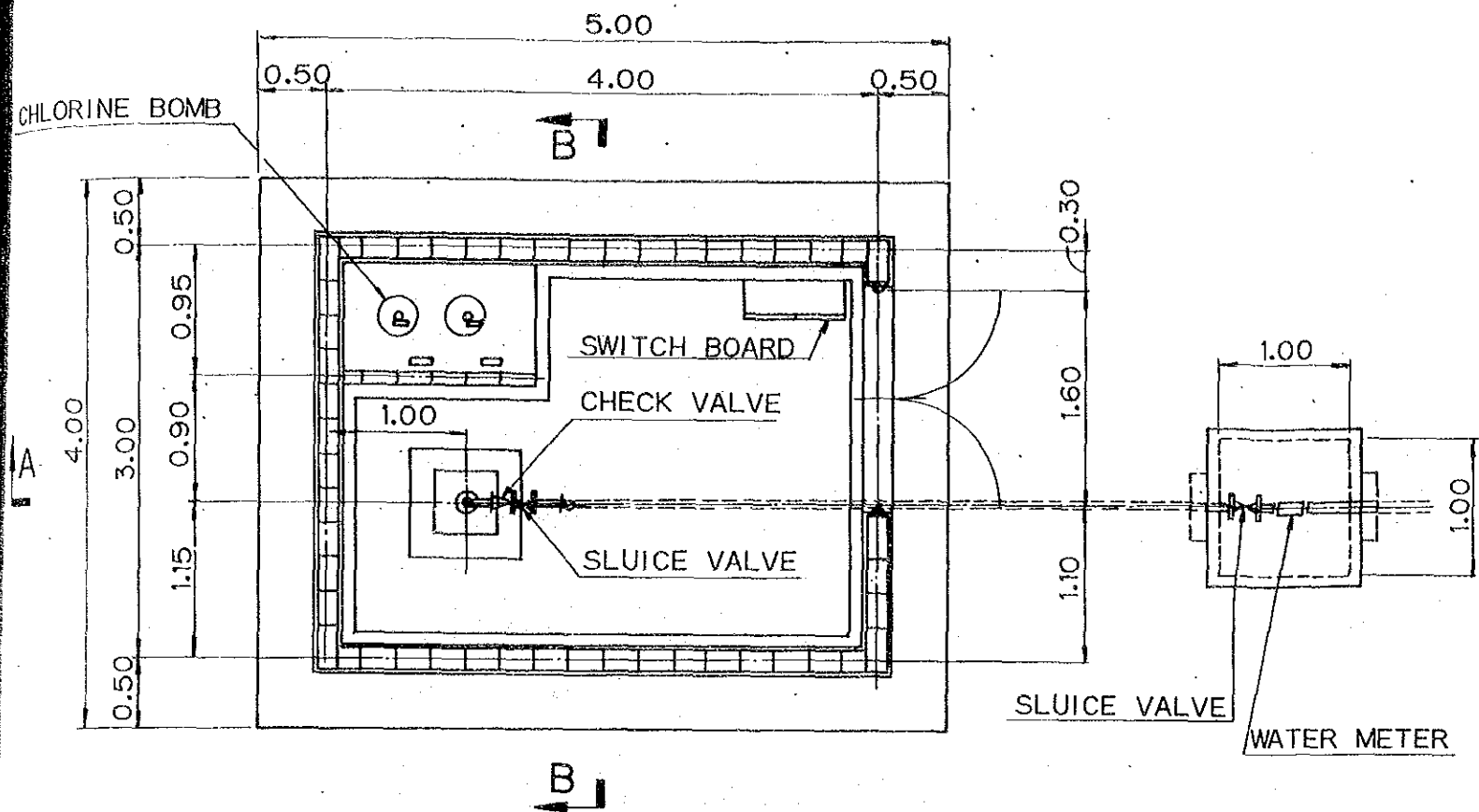
ELEVATION OF DEEPWELL



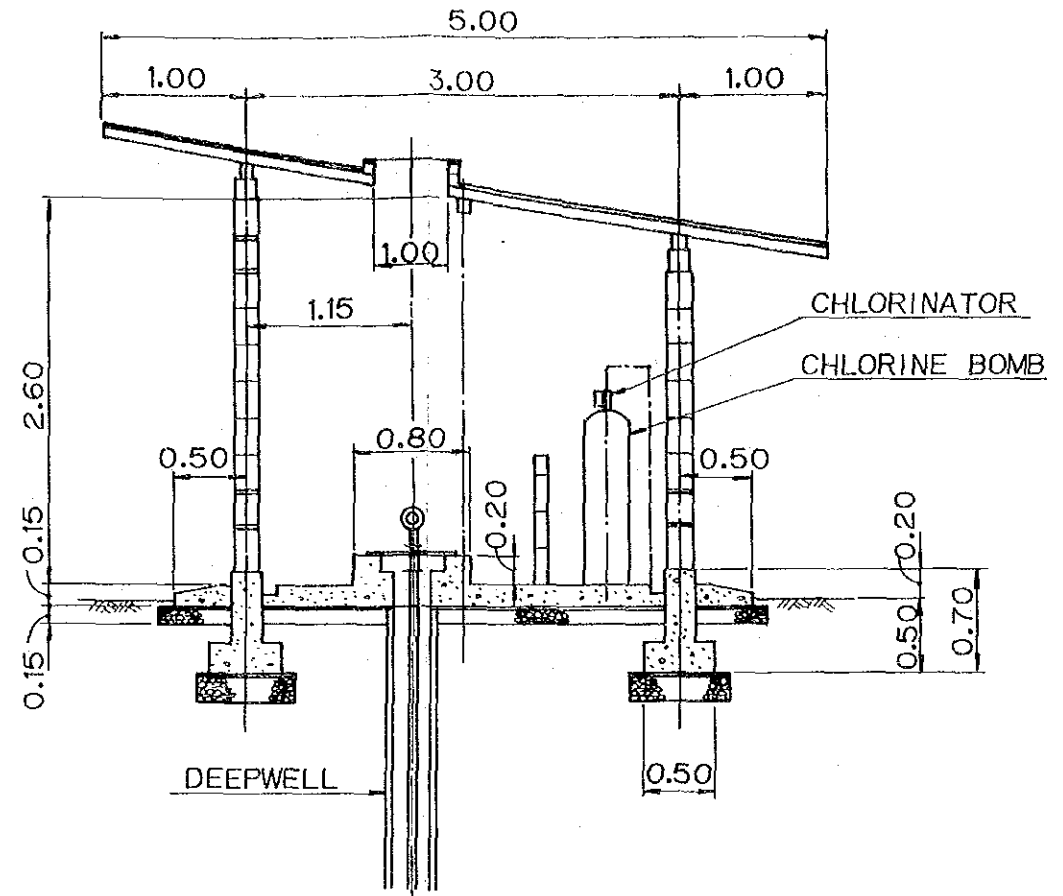
REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

ELEVATION OF DEEPWELL

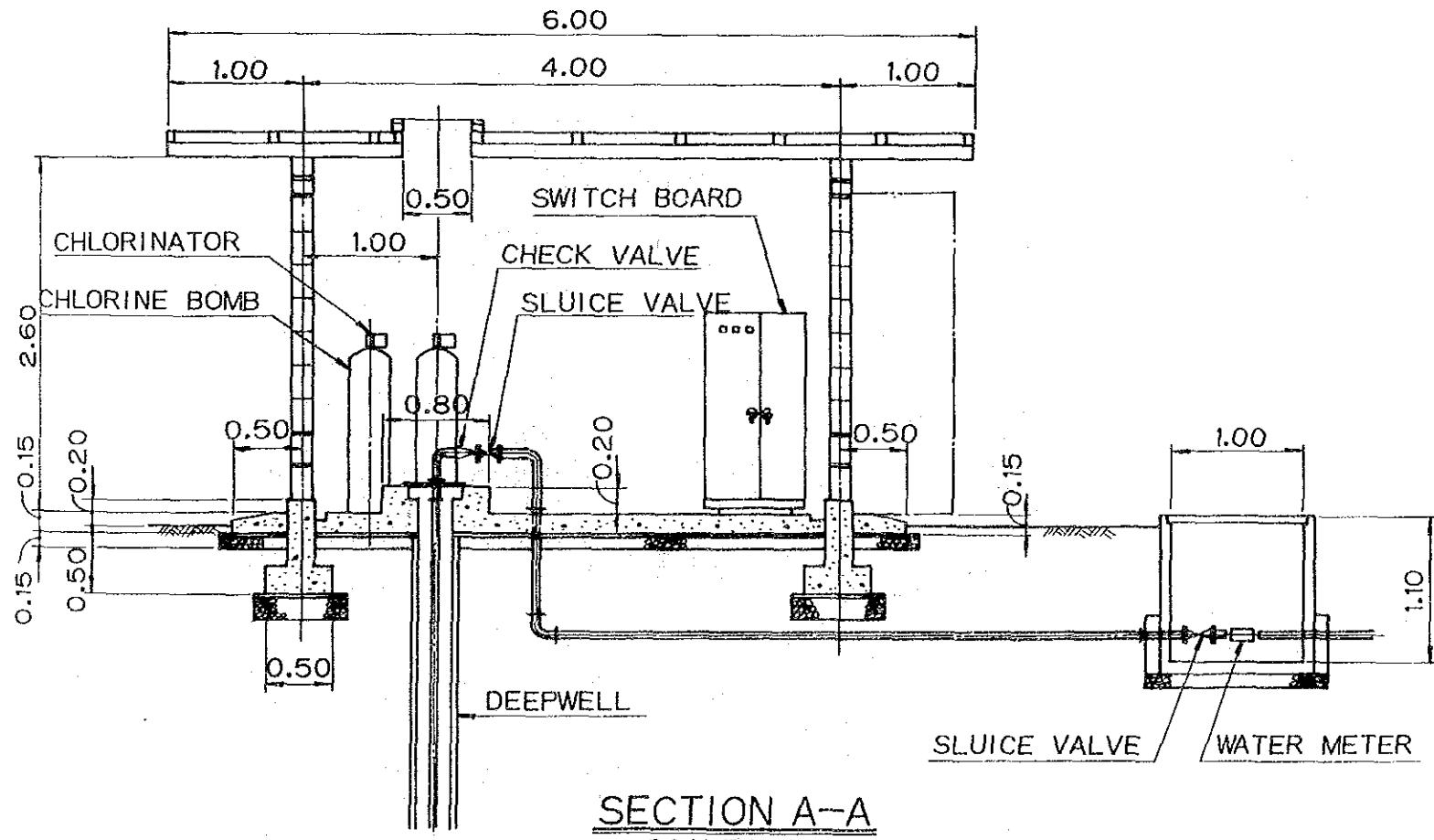
DATE	D.W.G. NO. 31
JAPAN INTERNATIONAL COOPERATION AGENCY	



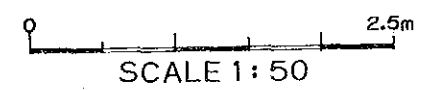
PLAN OF PUMP HOUSE
SCALE 1:50



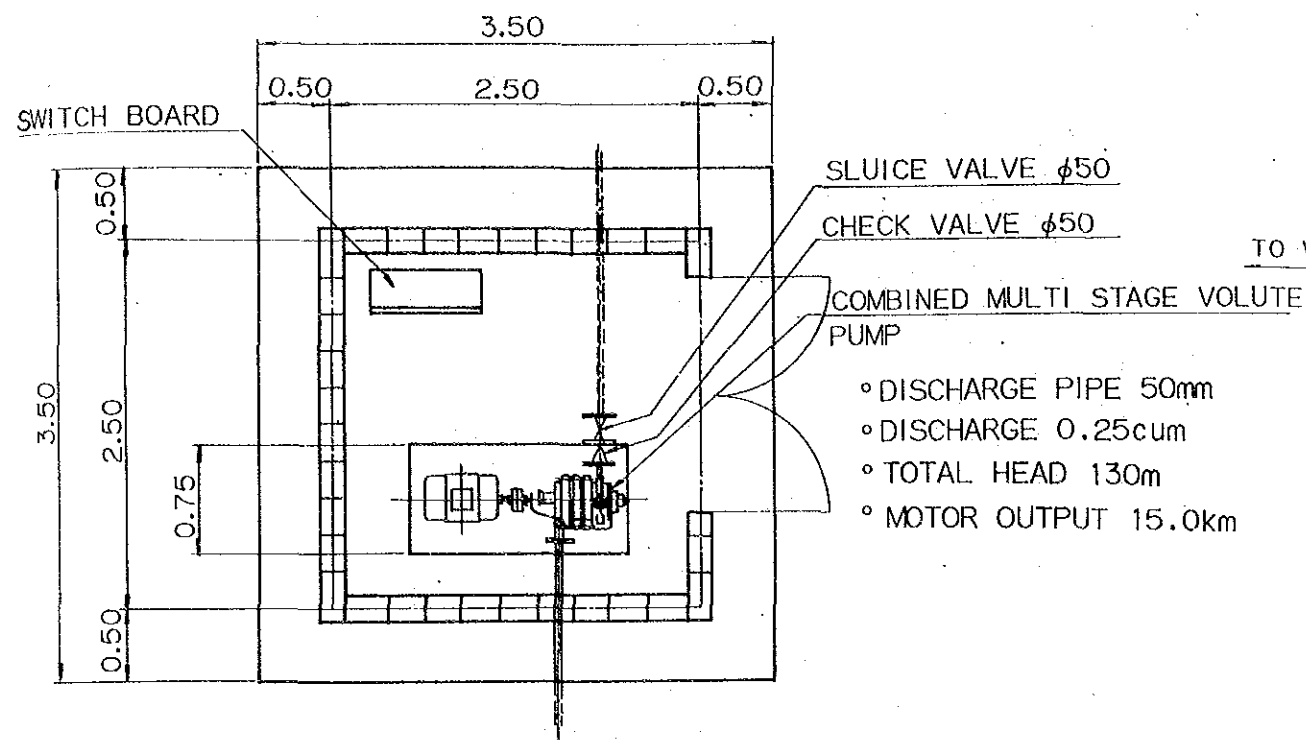
SECTION B-B
SCALE 1:50



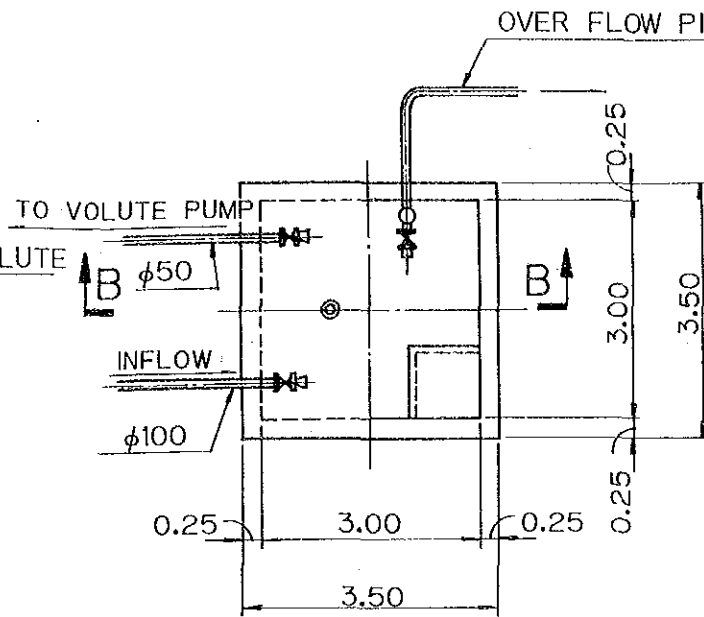
SECTION A-A
SCALE 1:50



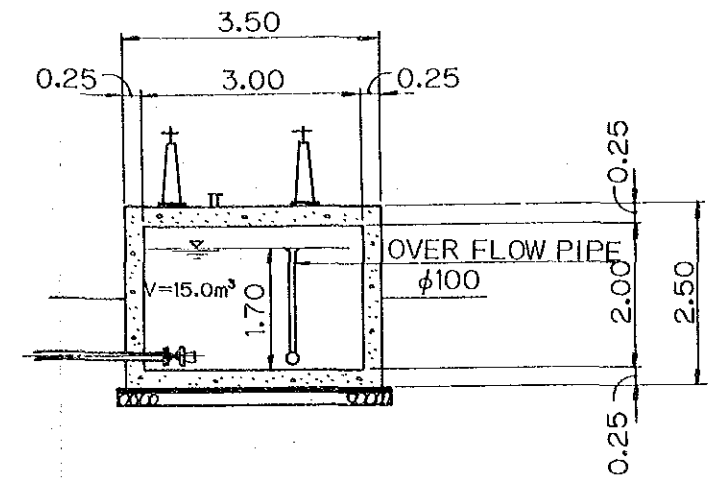
REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF PUMP HOUSE (1)		
DATE	D.W.G. NO.	32
JAPAN INTERNATIONAL COOPERATION AGENCY		



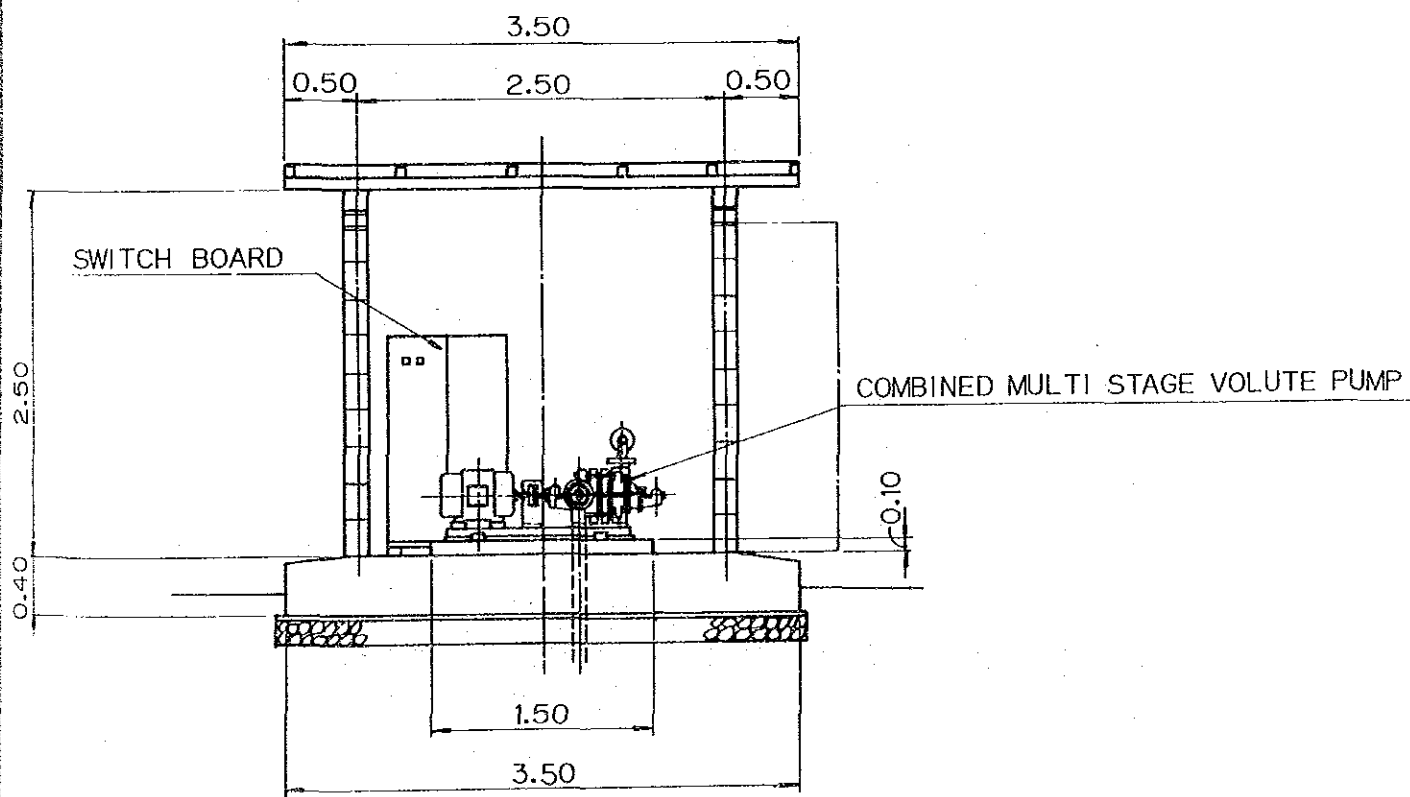
PLAN OF PUMP HOUSE (BOOSTER PUMP)
SCALE 1:50



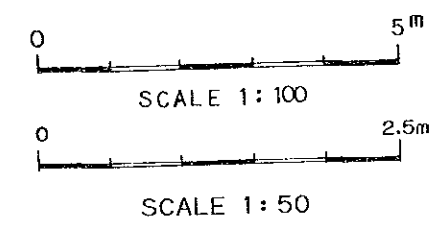
PLAN OF DISTRIBUTING TANK
SCALE 1:100



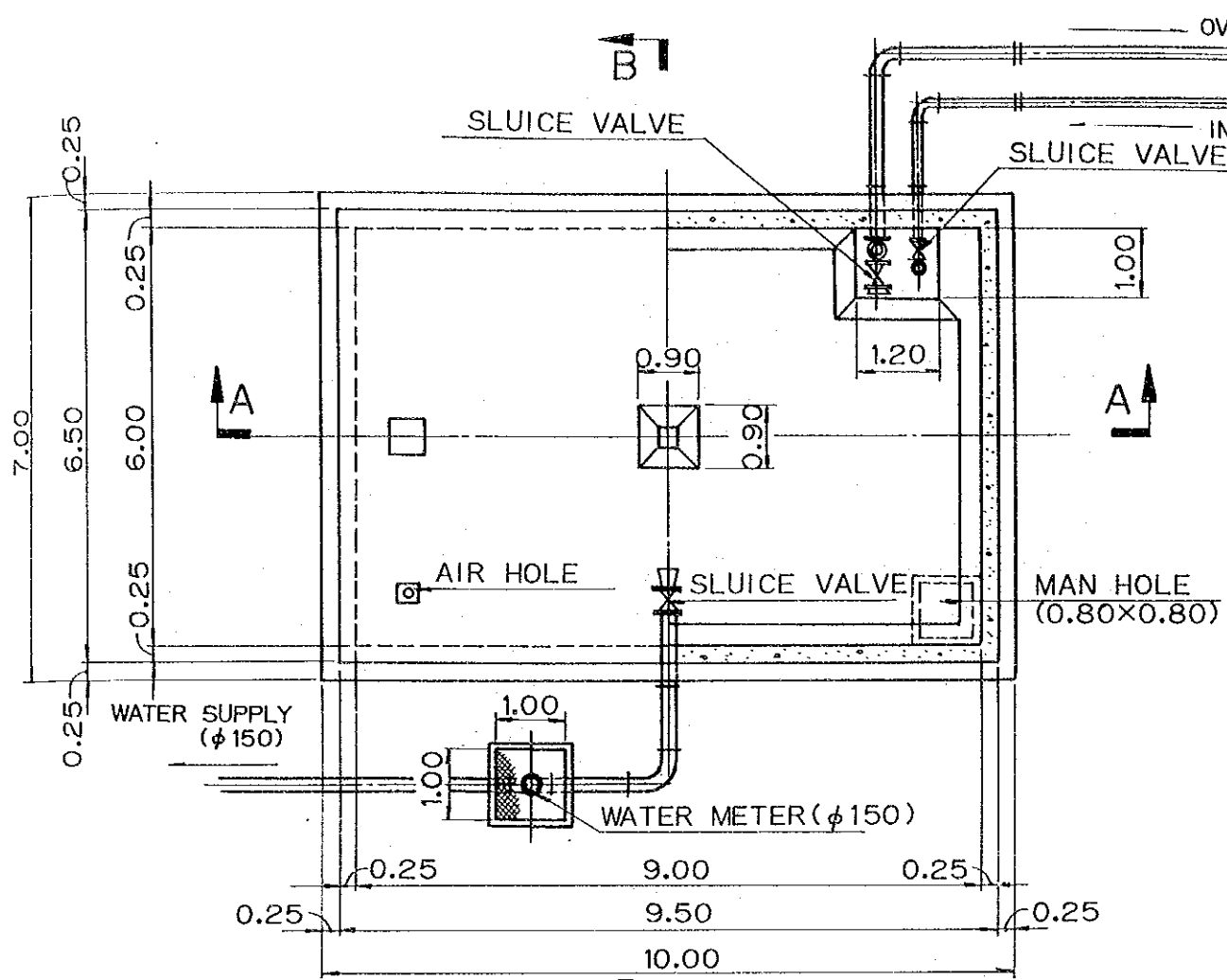
SECTION B-B
SCALE 1:100



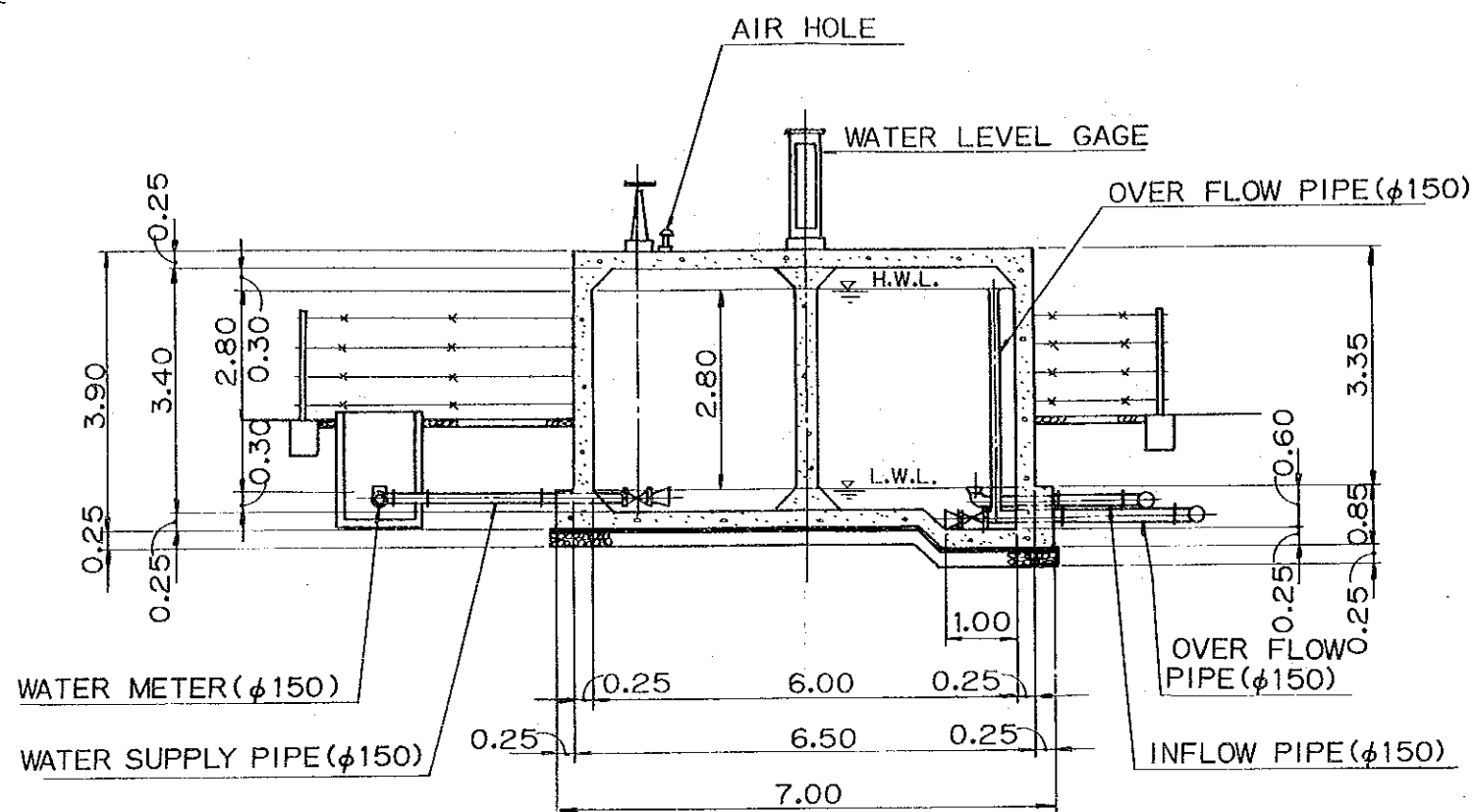
SECTION A-A
SCALE 1:50



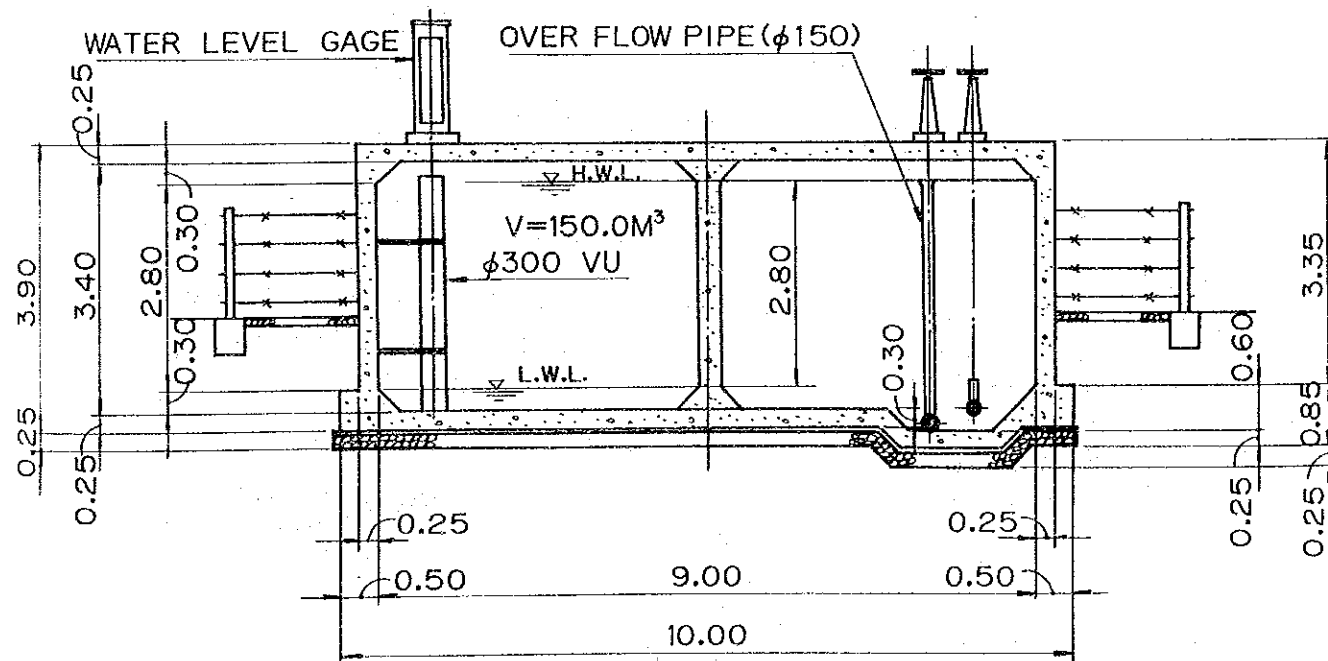
REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF PUMP HOUSE (2)		
DATE	D.W.G. NO.	33
JAPAN INTERNATIONAL COOPERATION AGENCY		



PLAN OF DISTRIBUTING TANK
SCALE 1:100



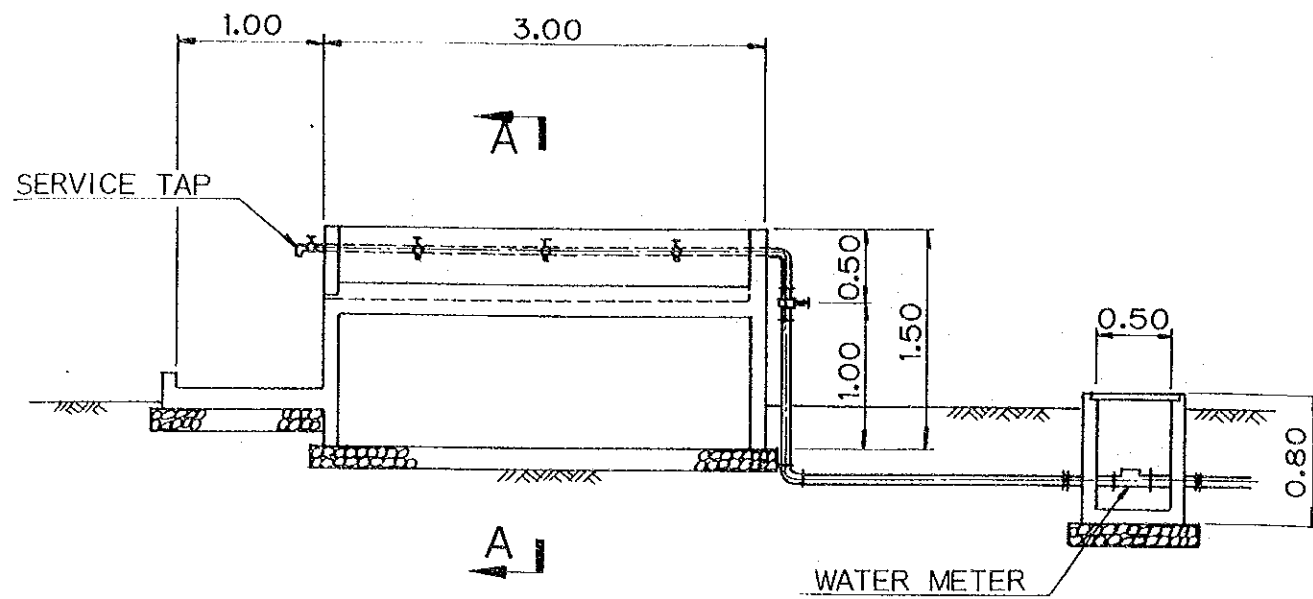
SECTION B-B
SCALE 1:100



SECTION A-A
SCALE 1:100

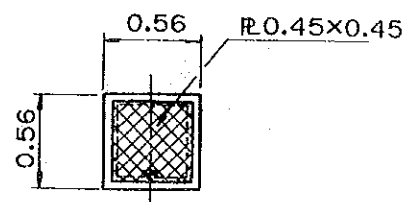


REPUBLIC OF THE PHILIPPINES PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
PLAN OF DISTRIBUTING TANK	
DATE	D.W.G. NO. 34
JAPAN INTERNATIONAL COOPERATION AGENCY	



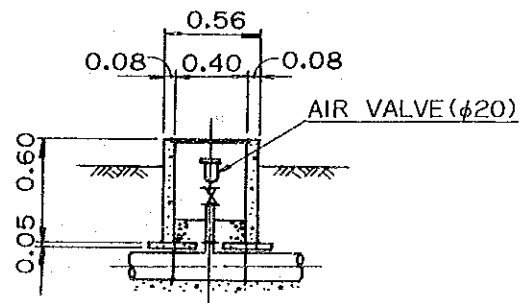
COMMON FAUCET

SCALE 1:50



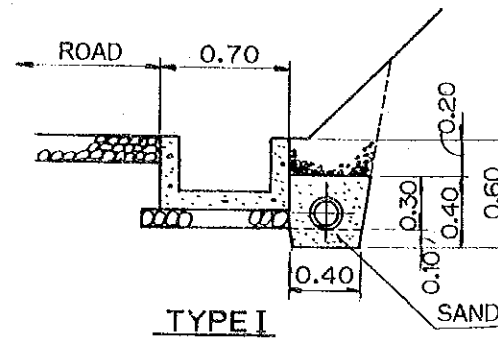
PLANE OF AIR VALVE STAND

SCALE 1:40

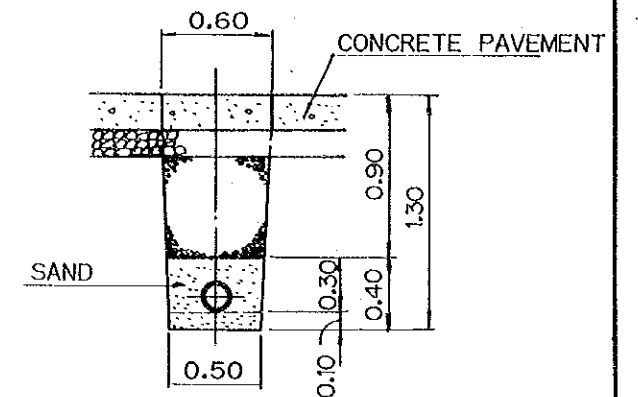


AIR VALVE STAND

SCALE 1:40

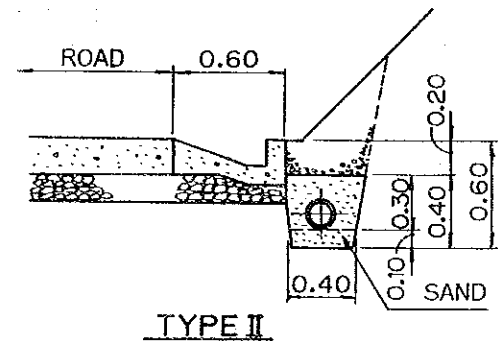


TYPE I

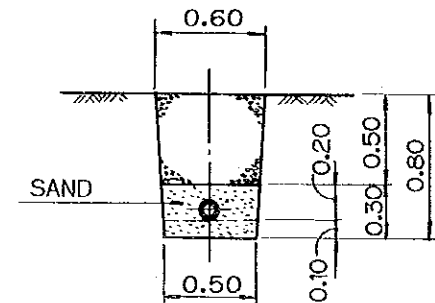


CROSS SECTION AT ROAD

SCALE 1:40

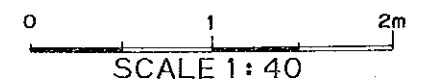


TYPE II

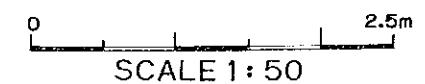


PIPE INSTALLATION

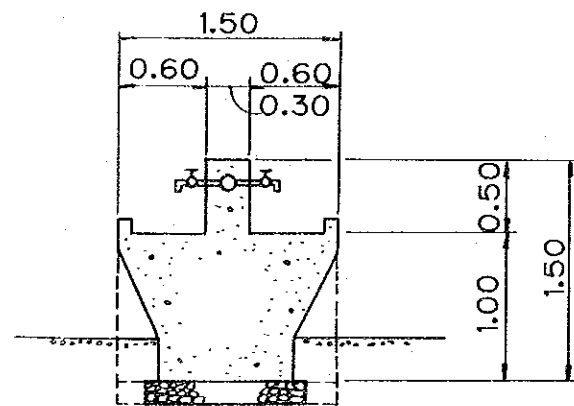
SCALE 1:40



SCALE 1:40

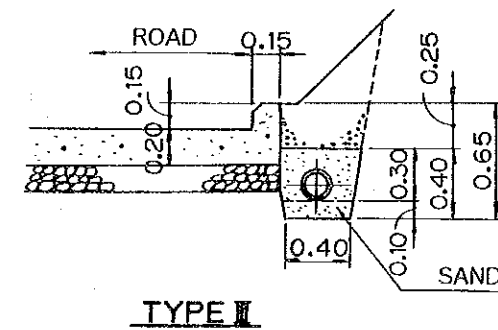


SCALE 1:50



SECTION A-A

SCALE 1:50

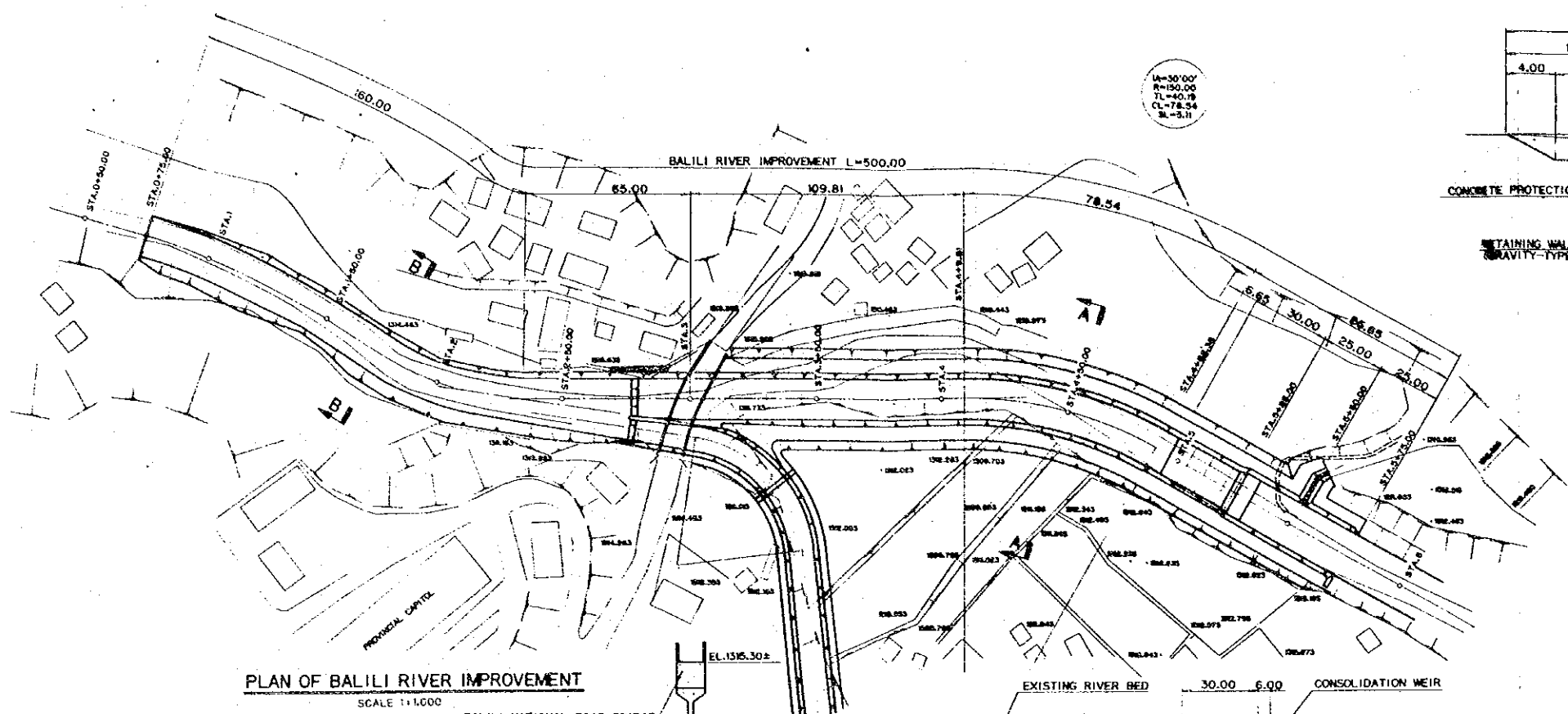


TYPE II

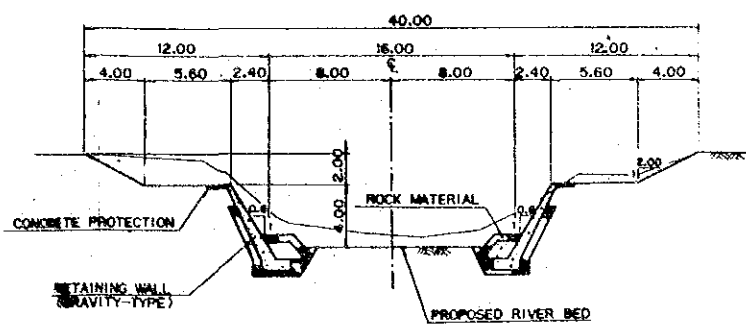
PIPE INSTALLATION

SCALE 1:40

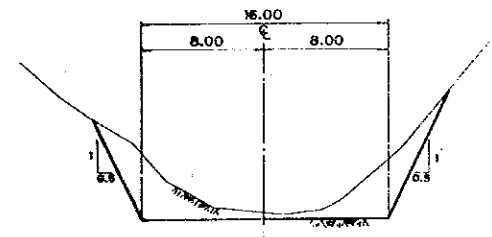
REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF COMMON FAUCET AND PIPE INSTALLATION		
DATE	D.W.G.NO.	35
JAPAN INTERNATIONAL COOPERATION AGENCY		



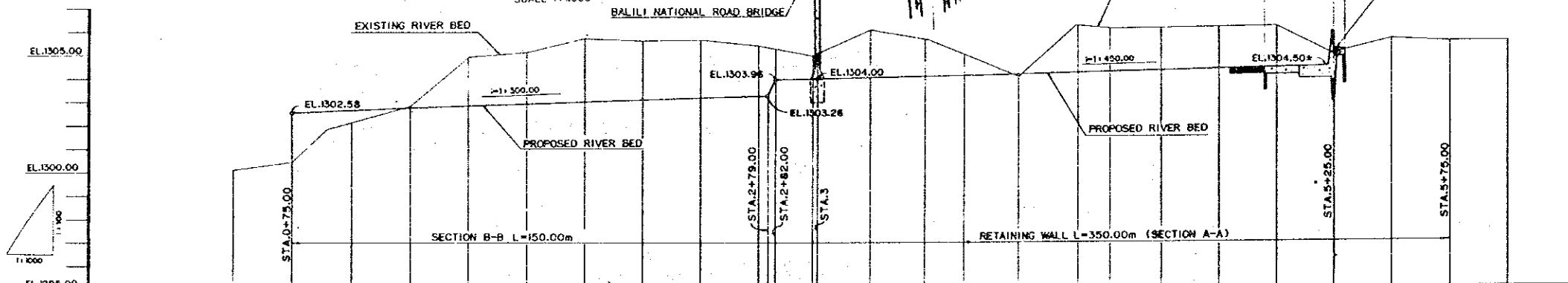
PLAN OF BALILI RIVER IMPROVEMENT
SCALE 1:1,000



STANDARD SECTION (A-A)
SCALE 1:200



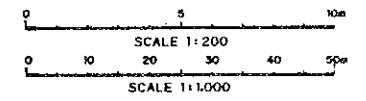
STANDARD SECTION (B-B)
SCALE 1:200



SECTION B-B L=150.00m

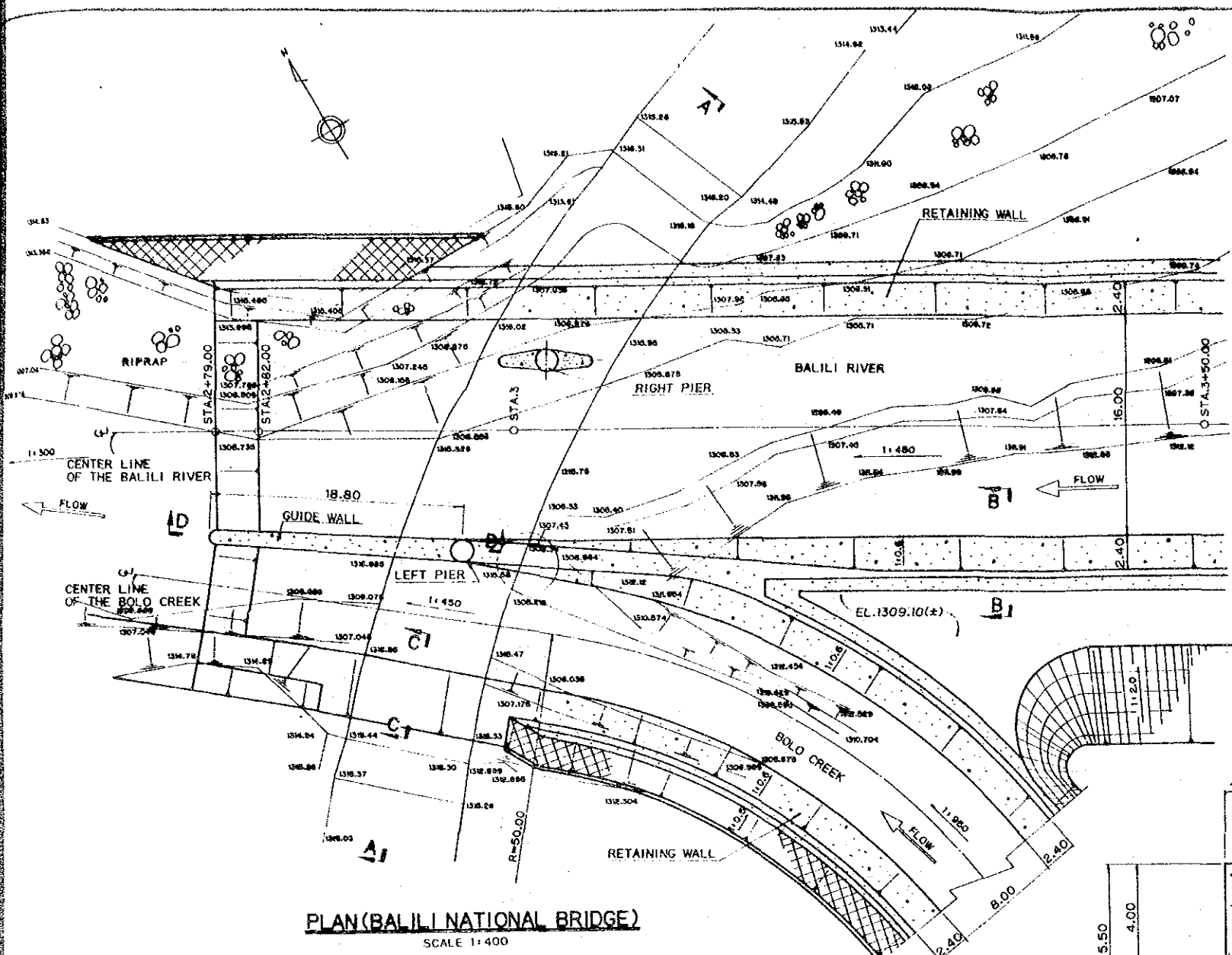
RETAINING WALL L=350.00m (SECTION A-A)

SLOPE	1:1.500.00		1:1.4.29		1:1.480.00		EXISTING SLOPE						
RIVER BASE ELEVATION													
WATER SURFACE ELEVATION													
GROUND SURFACE ELEVATION													
REDUCED DISTANCE													
DISTANCE													
STATION	STA.0		STA.1		STA.2		STA.3		STA.4		STA.5		STA.6

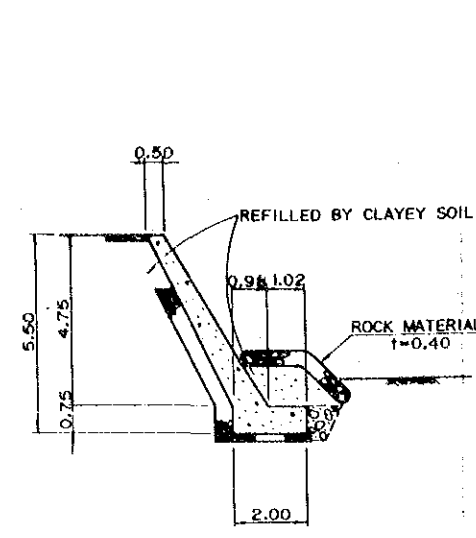


REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET
 THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD
**PLAN OF BALILI RIVER
 IMPROVEMENT (1)**

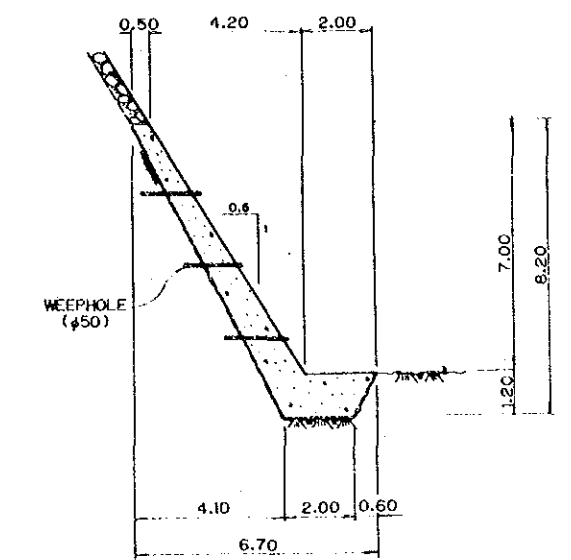
DATE: _____ D.W.G. NO. **36**
 JAPAN INTERNATIONAL COOPERATION AGENCY



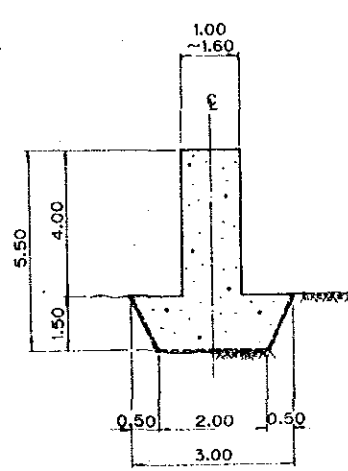
PLAN (BALILI NATIONAL BRIDGE)
SCALE 1:400



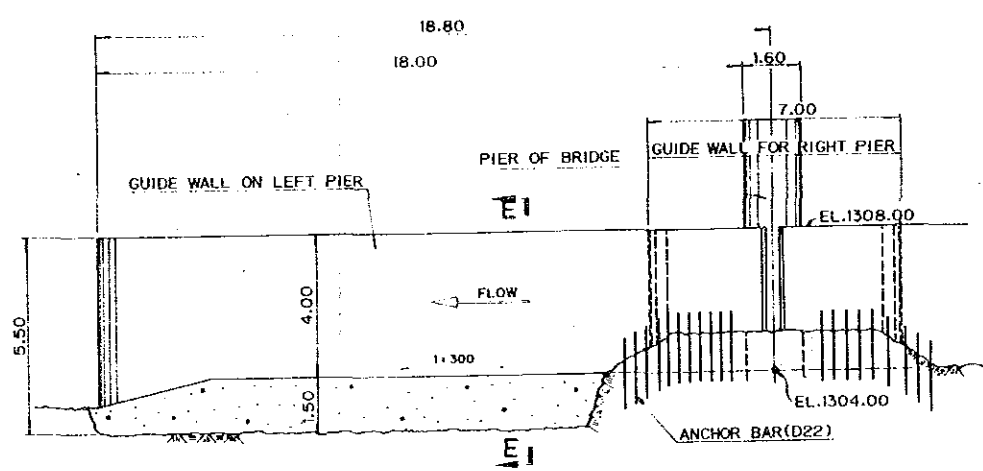
STANDARD SECTION OF RETAINING WALL
SCALE 1:200



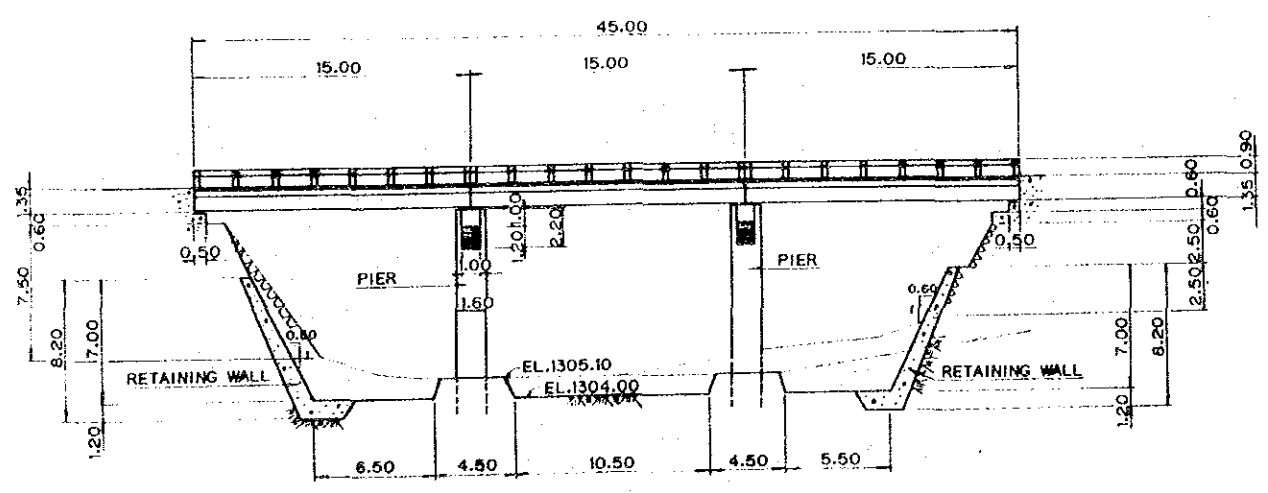
SECTION OF RETAINING WALL
SCALE 1:200



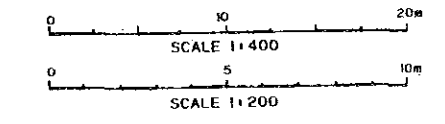
SECTION E-E
SCALE 1:200



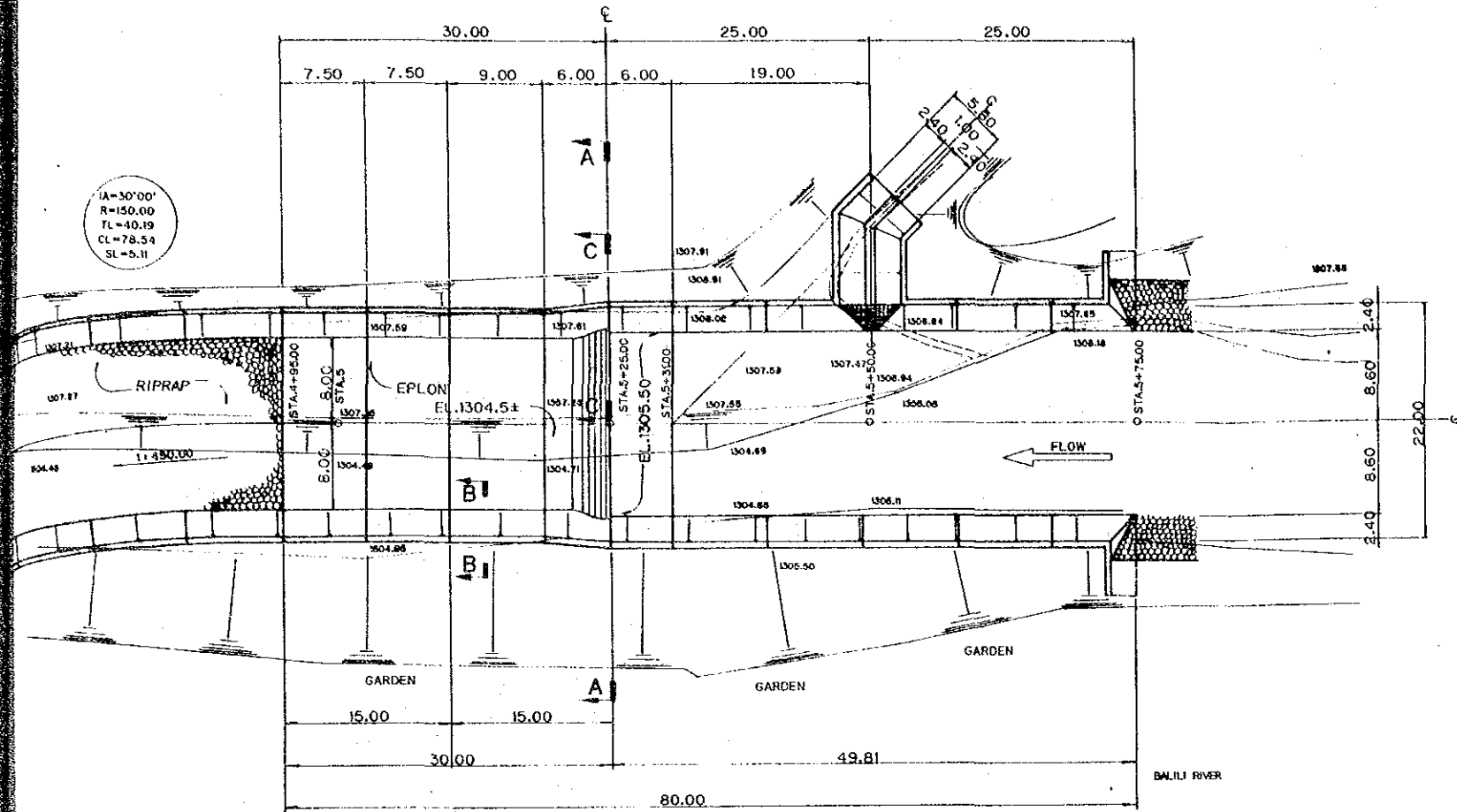
SECTION D-D
SCALE 1:200



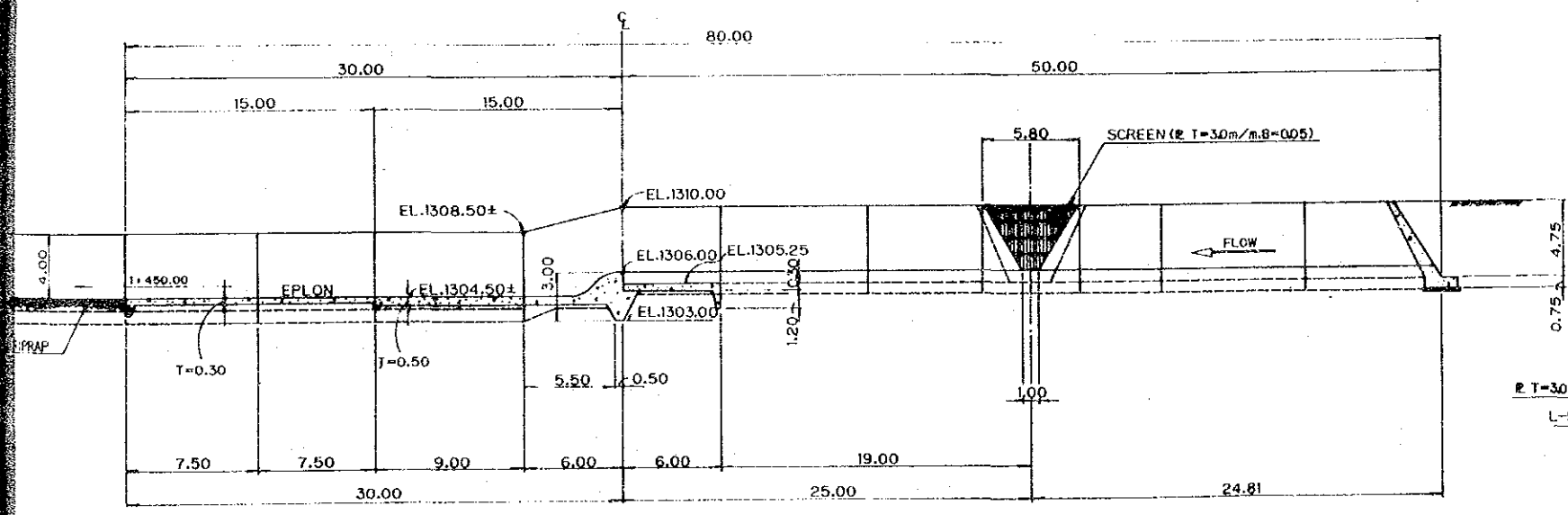
SECTION A-A
SCALE 1:400



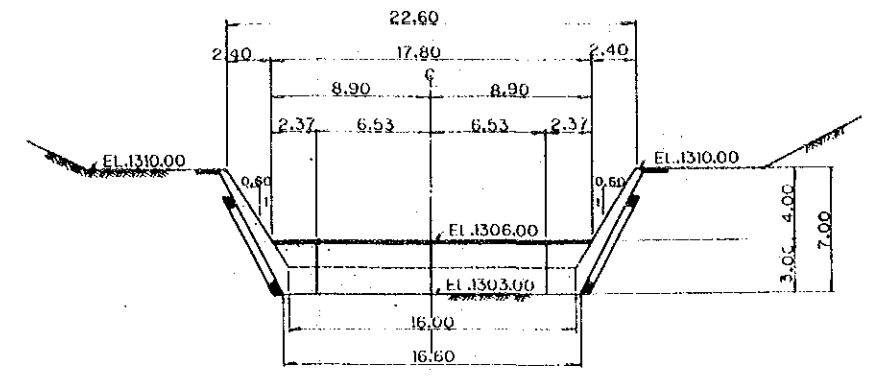
REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF BALILI RIVER IMPROVEMENT (2)		
DATE	D.W.G. NO.	37
JAPAN INTERNATIONAL COOPERATION AGENCY		



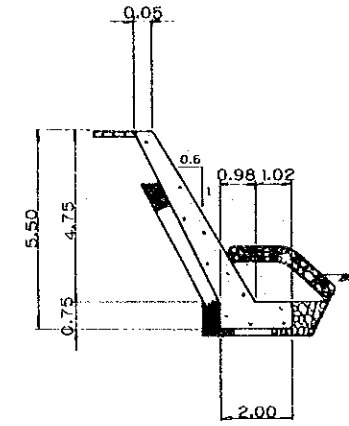
PLAN OF CONSOLIDATION WEIR
SCALE 1:600



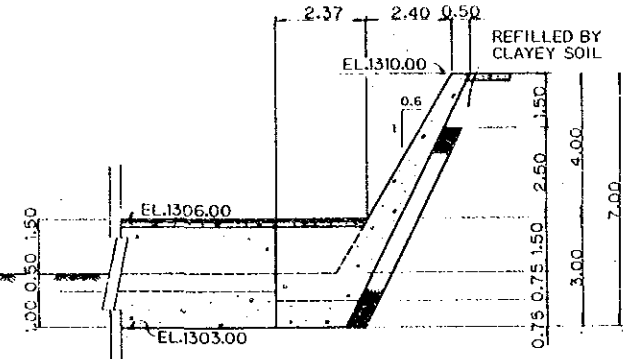
LONGITUDINAL PROFILE OF CONSOLIDATION WEIR
SCALE 1:400



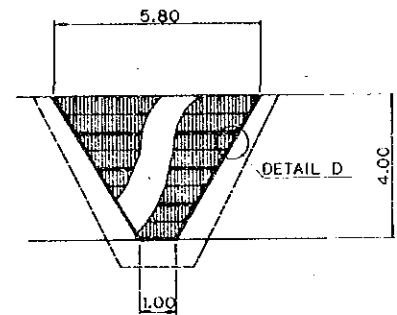
SECTION A-A
SCALE 1:400



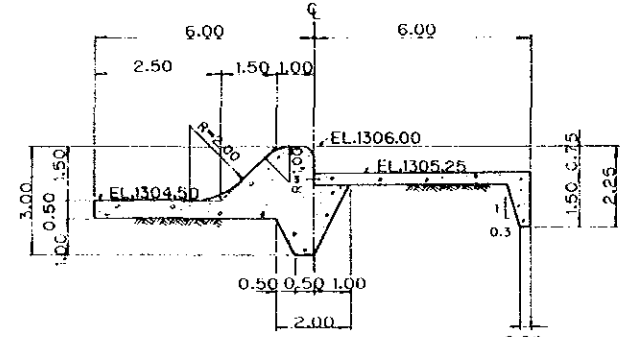
SECTION B-B
SCALE 1:200



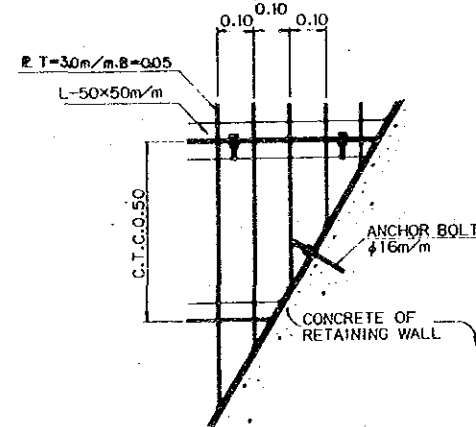
SECTION C-C
SCALE 1:200



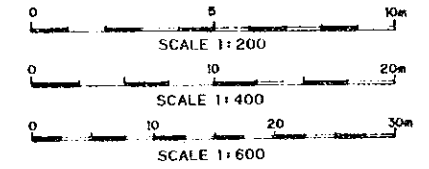
PROFILE OF SCREEN
SCALE 1:200



DETAIL OF CONSOLIDATION WEIR
SCALE 1:200



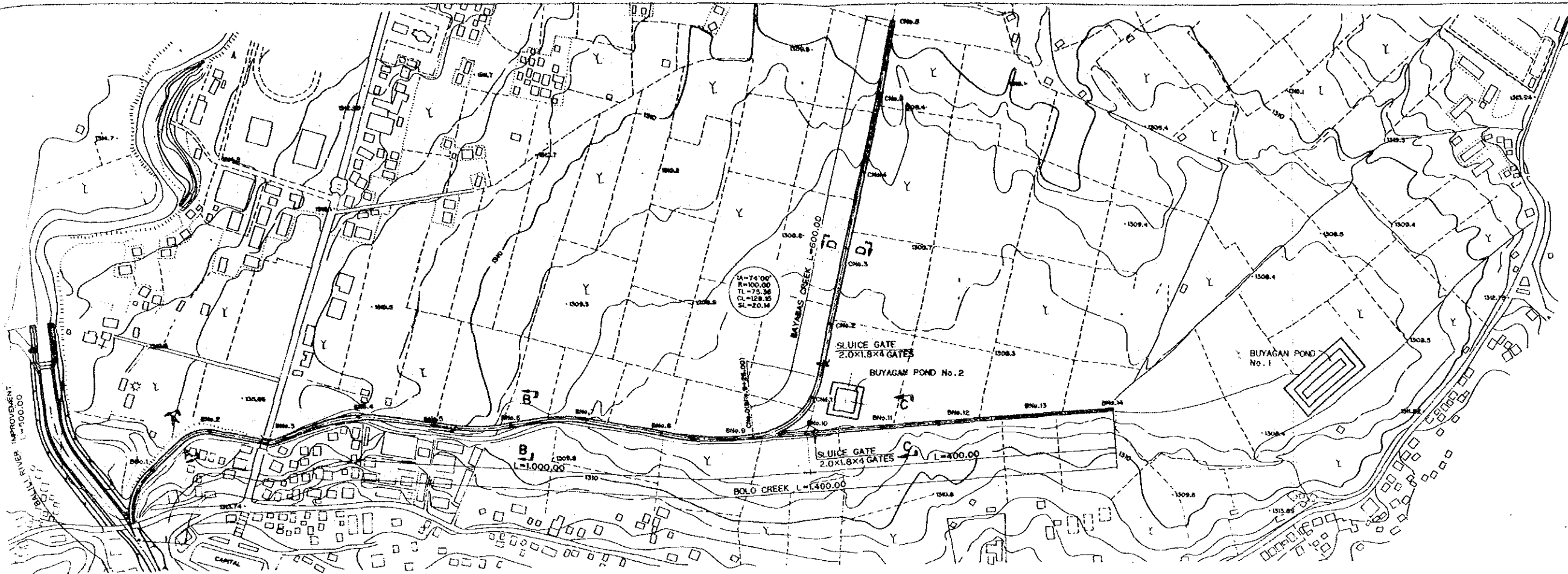
DETAIL D
SCALE 1:20



REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

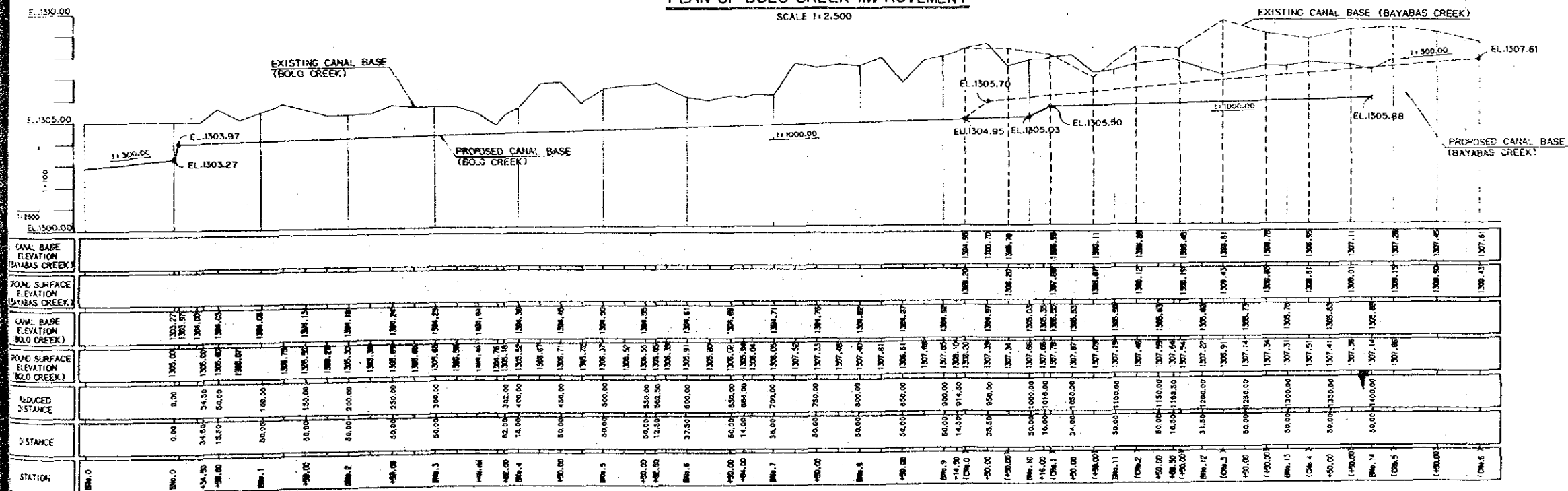
**PLAN OF BALILI RIVER
IMPROVEMENT (3)**

DATE	D.W.G. NO. 38
JAPAN INTERNATIONAL COOPERATION AGENCY	



PLAN OF BULO CREEK IMPROVEMENT

SCALE 1:2,500



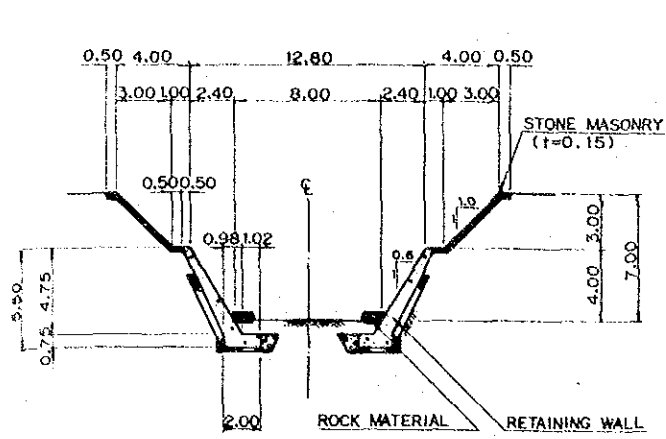
STATION	0.00	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
CANAL BASE ELEVATION (BAYABAS CREEK)	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
POND SURFACE ELEVATION (BAYABAS CREEK)	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
CANAL BASE ELEVATION (BOLO CREEK)	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
POND SURFACE ELEVATION (BOLO CREEK)	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
REDUCED DISTANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISTANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

REPUBLIC OF THE PHILIPPINES
 PROVINCIAL GOVERNMENT OF BENGUET
 THE HIGHLAND INTEGRATED RURAL
 DEVELOPMENT PROJECT IN LA TRINIDAD

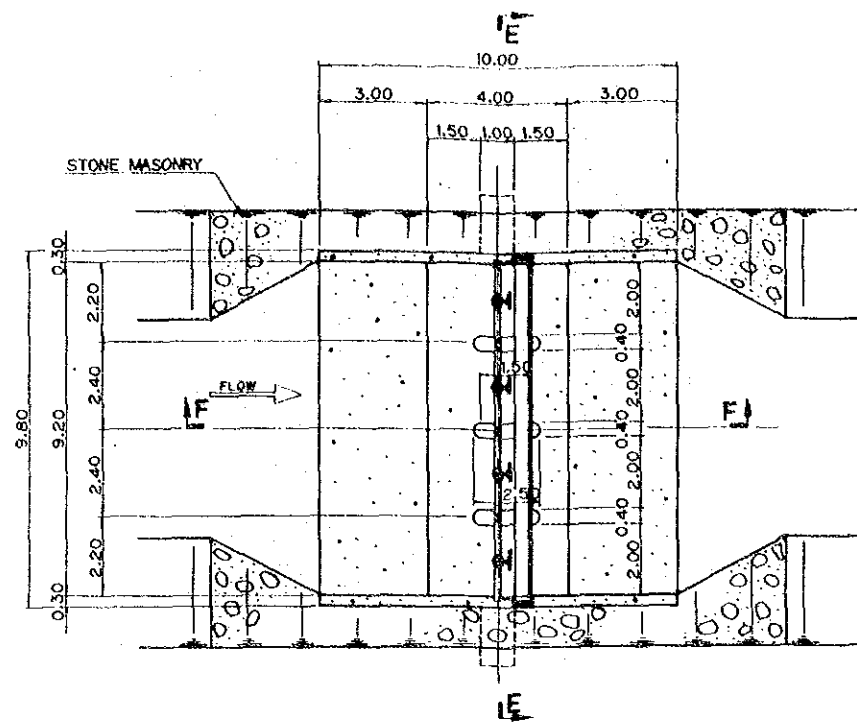
PLAN OF BULO CREEK
 IMPROVEMENT (1)

DATE _____ D.W.G. NO. **39**

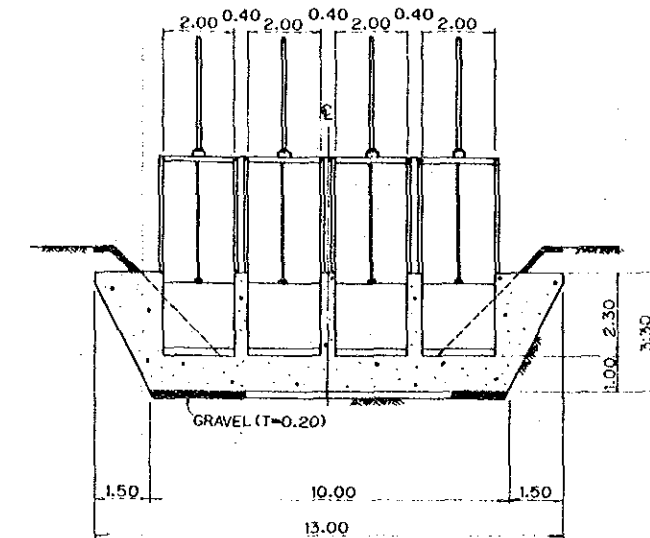
JAPAN INTERNATIONAL COOPERATION AGENCY



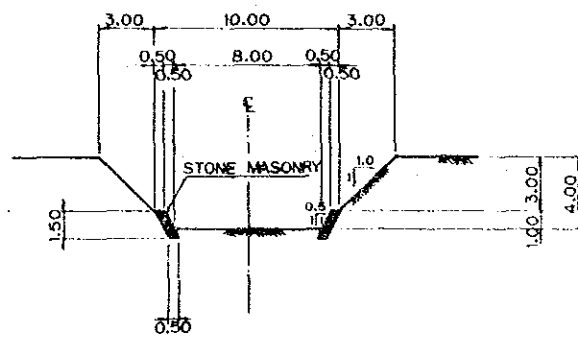
SECTION A-A
SCALE 1:400



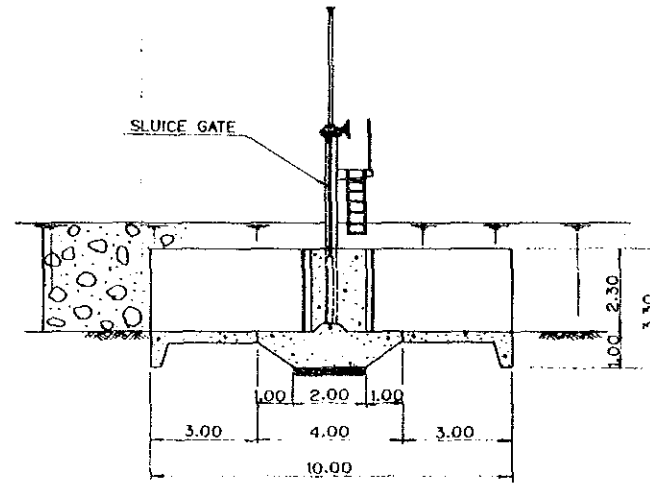
PLAN OF SLUICE GATE
SCALE 1:200



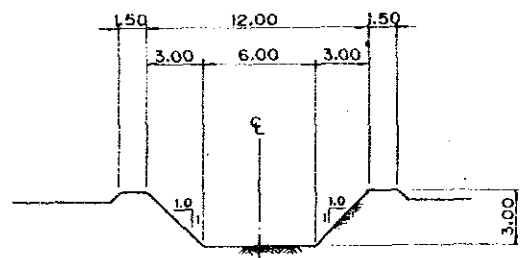
SECTION E-E
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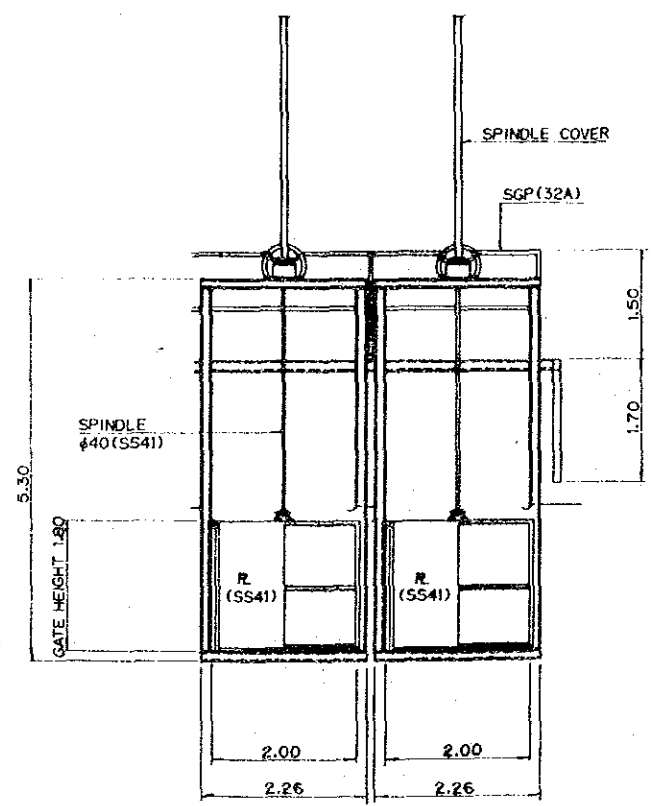
SECTION B-B
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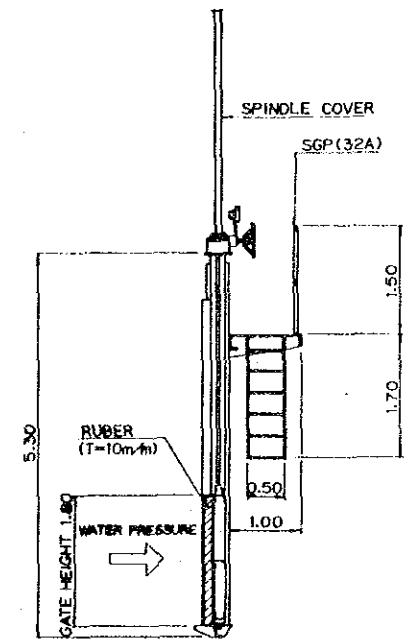
SECTION F-F
SCALE 1:200



SECTION C-C
SCALE 1:400

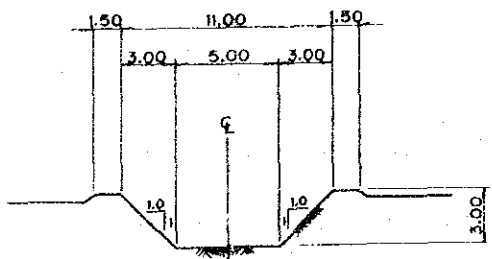


FRONT ELEVATION
SCALE 1:100

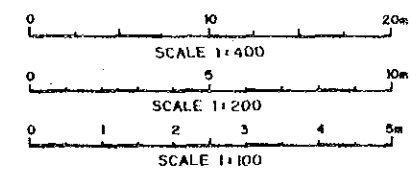


SECTION
SCALE 1:100

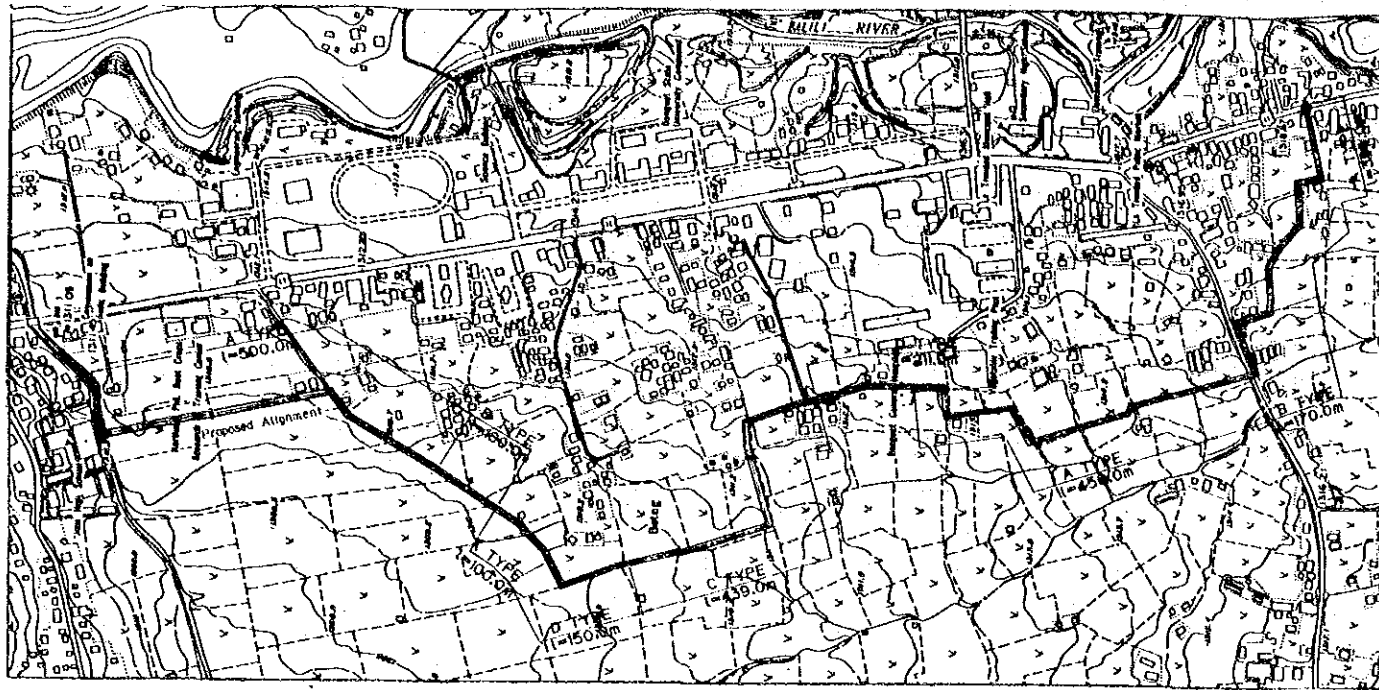
- 1) PAINTING: EPOXY RESIN
- 2) GATE TYPE: SLUICE GATE
- 3) SECTION WATERTIGHT: HAND-OPERATED BEVEL GEAR



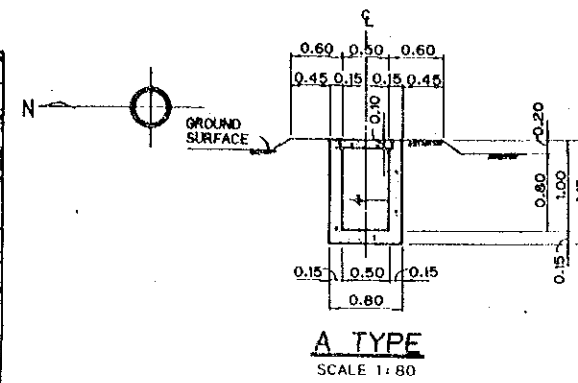
SECTION D-D
SCALE 1:400



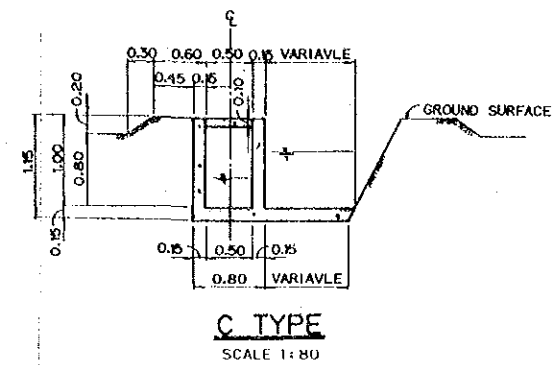
REPUBLIC OF THE PHILIPPINES	
PROVINCIAL GOVERNMENT OF BENGUET	
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD	
PLAN OF BOLO CREEK IMPROVEMENT (2)	
DATE	D.W.G. NO. 40
JAPAN INTERNATIONAL COOPERATION AGENCY	



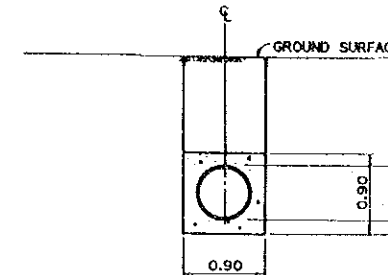
PLAN OF SEWAGE CANAL
SCALE 1:10,000



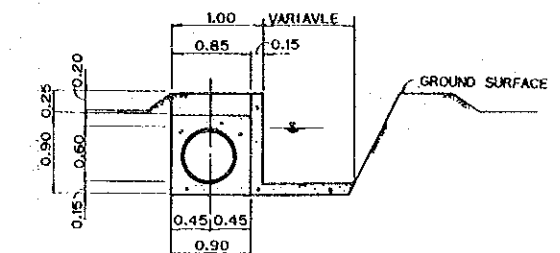
A TYPE
SCALE 1:80



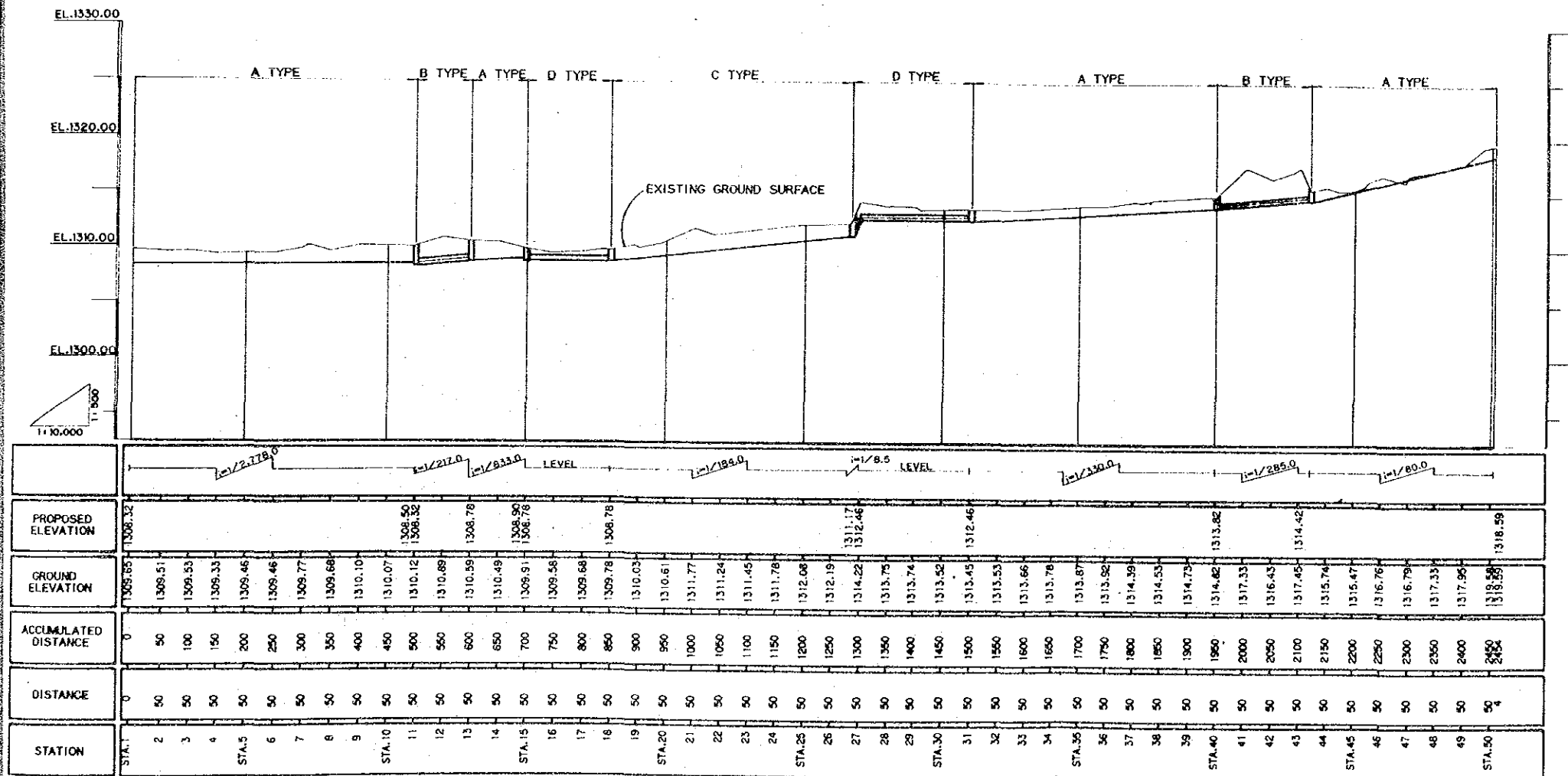
C TYPE
SCALE 1:80



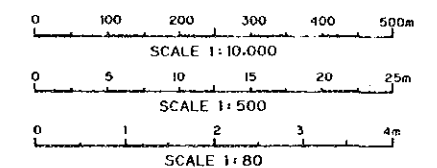
B TYPE
SCALE 1:80



D TYPE
SCALE 1:80



PROFILE OF SEWAGE CANAL
SCALE H:1:10,000 V:1:500

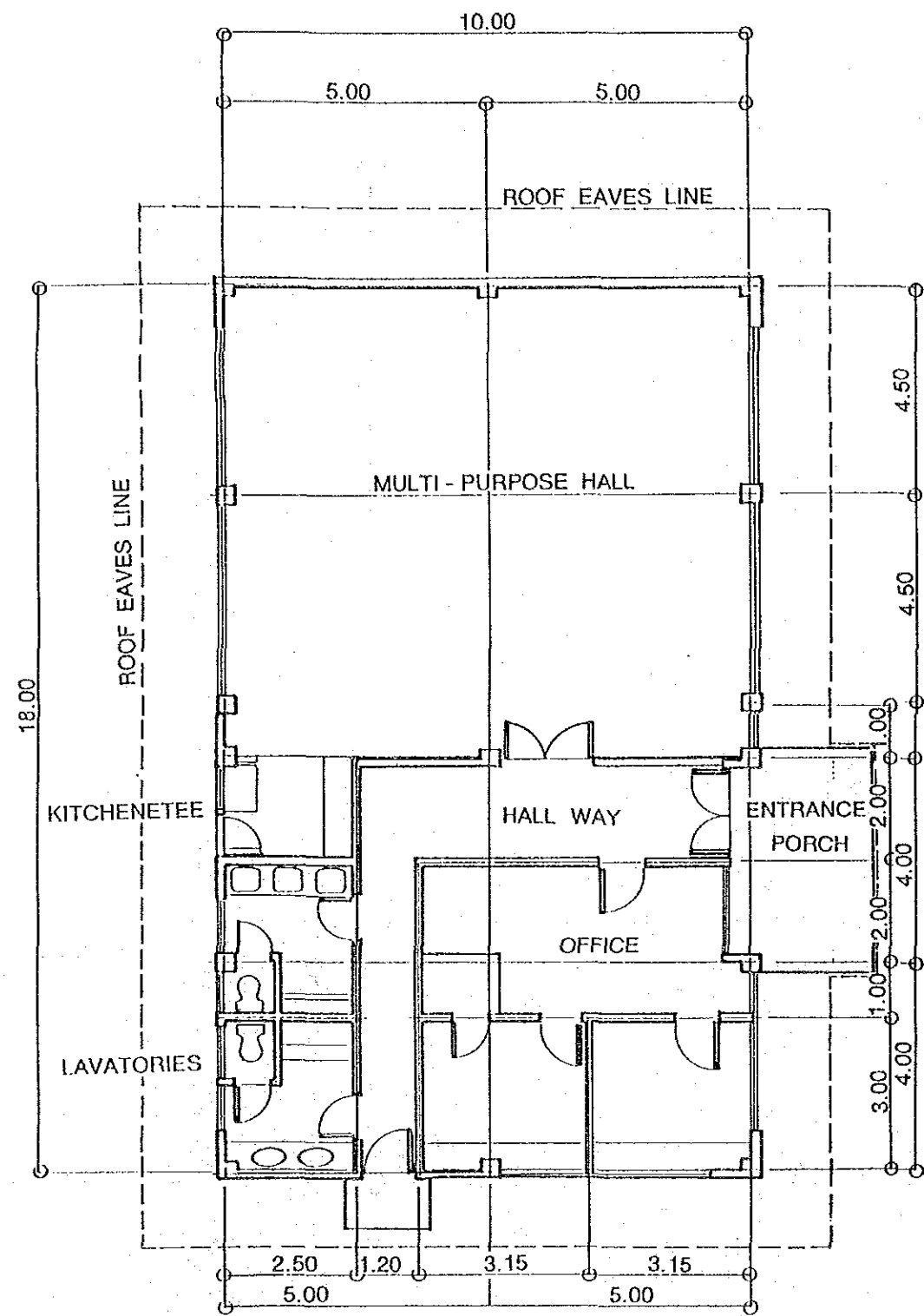


REPUBLIC OF THE PHILIPPINES
PROVINCIAL GOVERNMENT OF BENGUET
THE HIGHLAND INTEGRATED RURAL
DEVELOPMENT PROJECT IN LA TRINIDAD

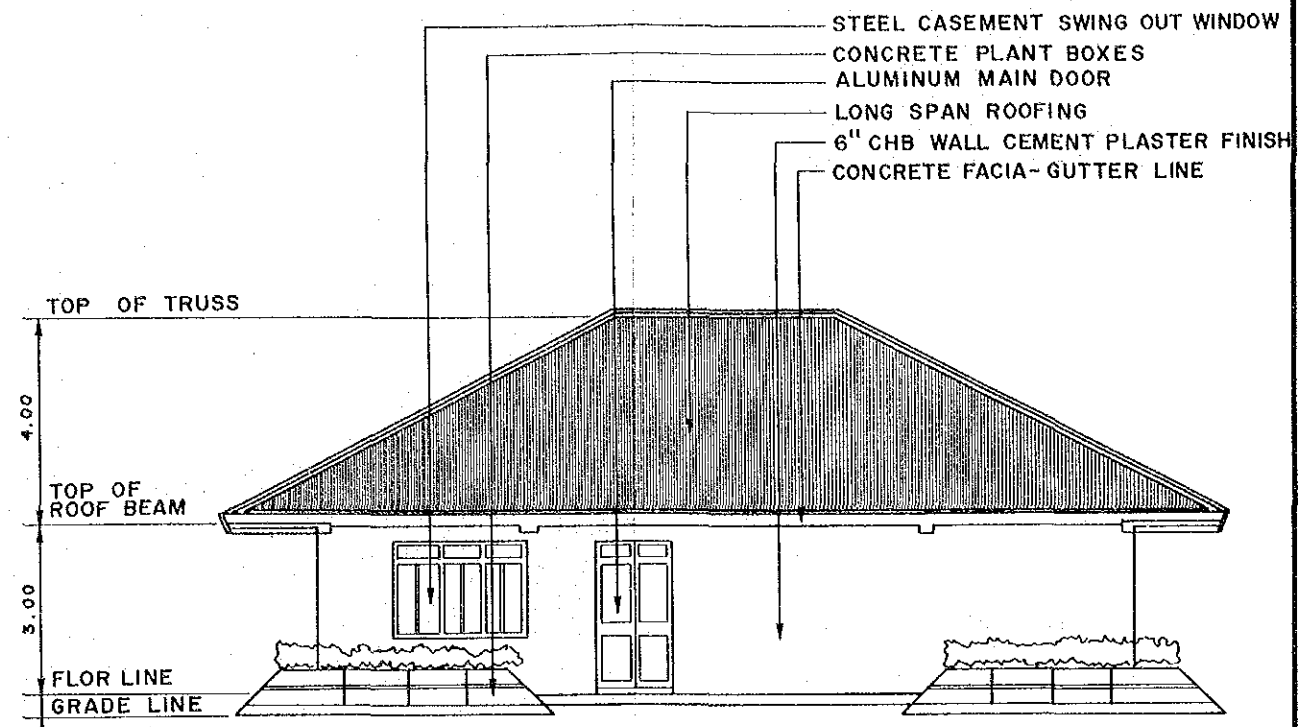
PLAN OF SEWAGE FACILITIES

DATE: _____ D.W.G. NO. **41**

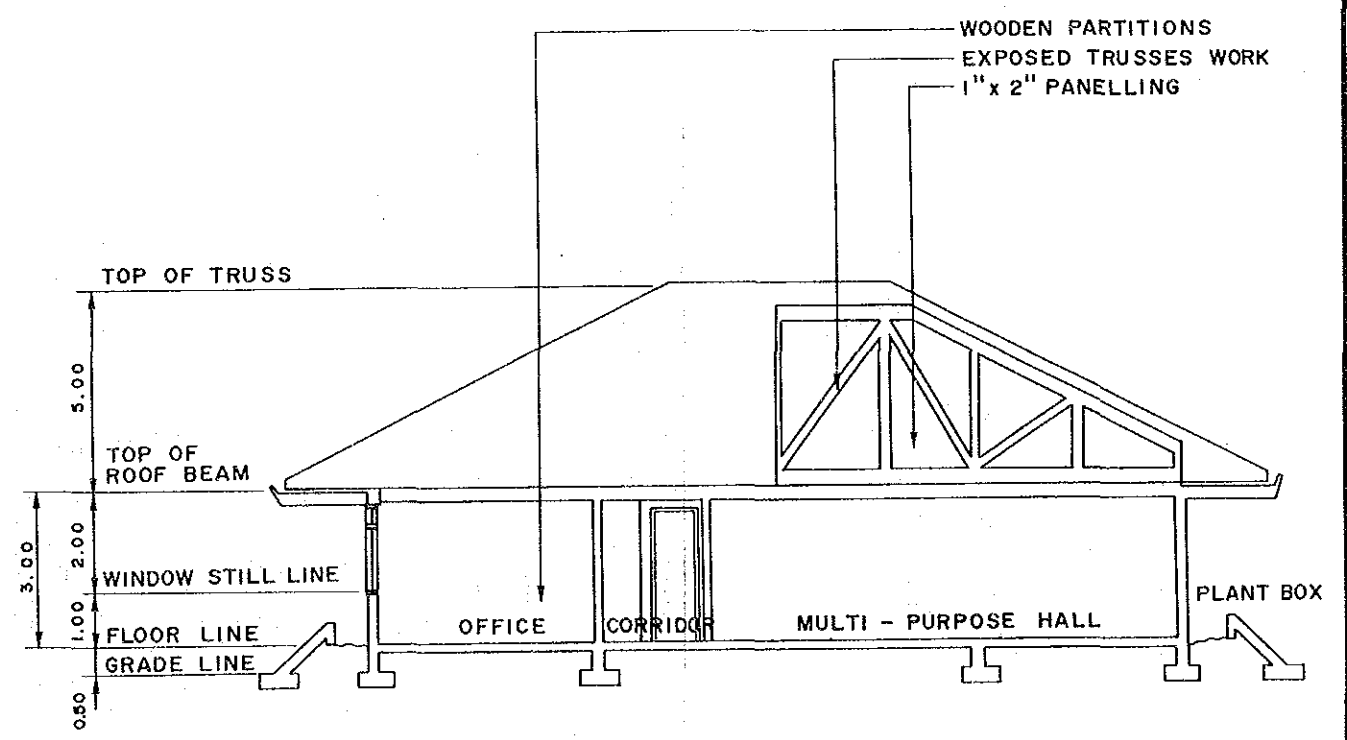
JAPAN INTERNATIONAL COOPERATION AGENCY



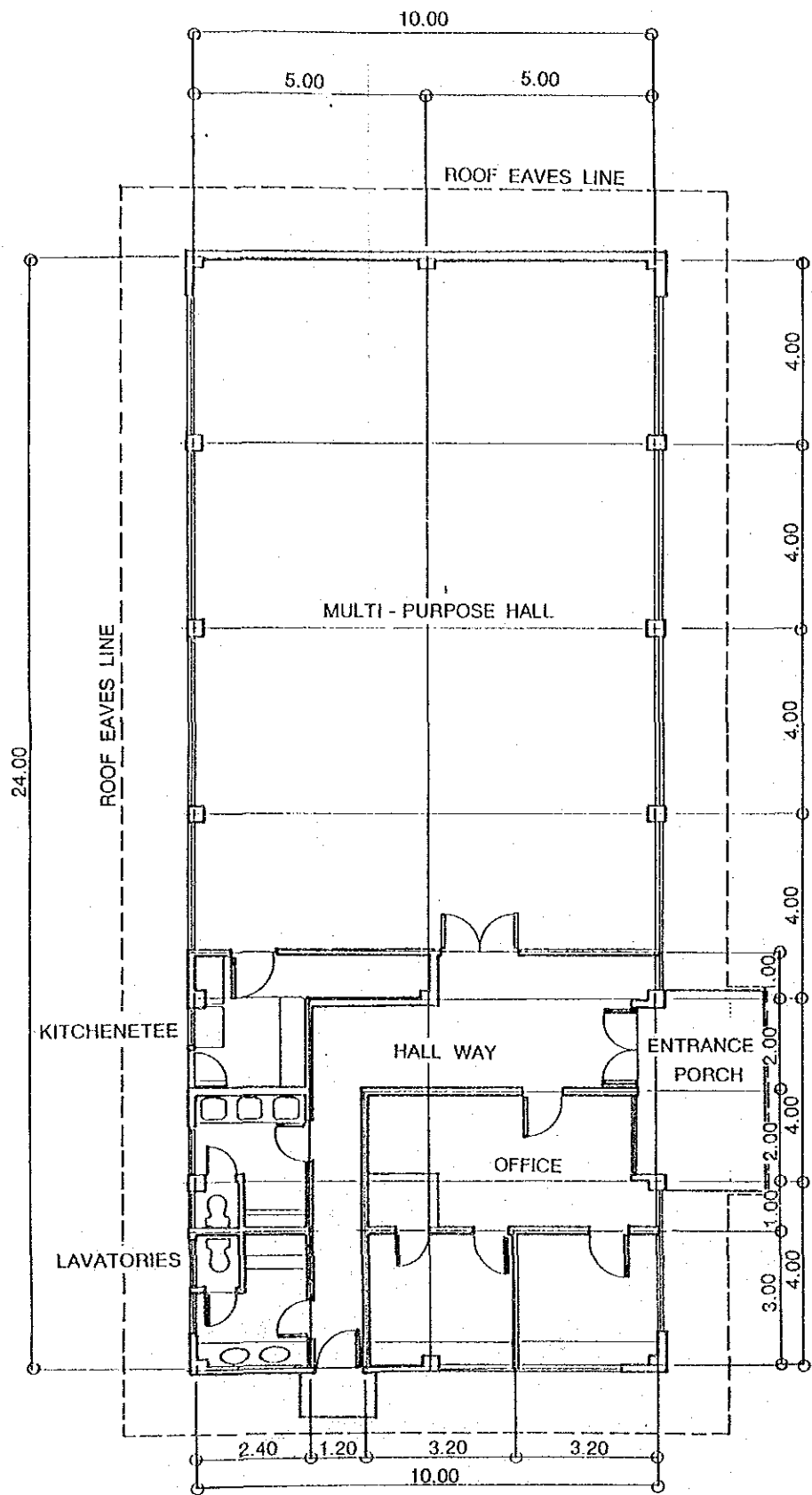
FLOOR PLAN



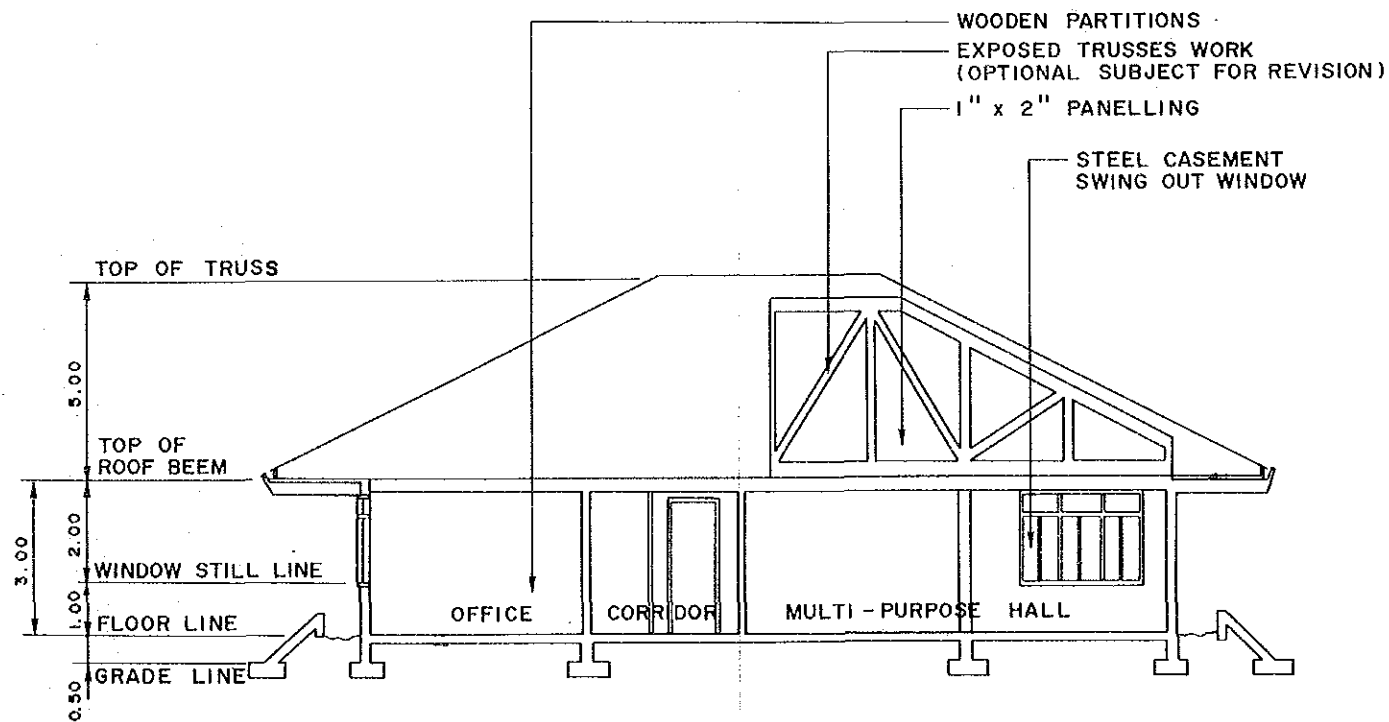
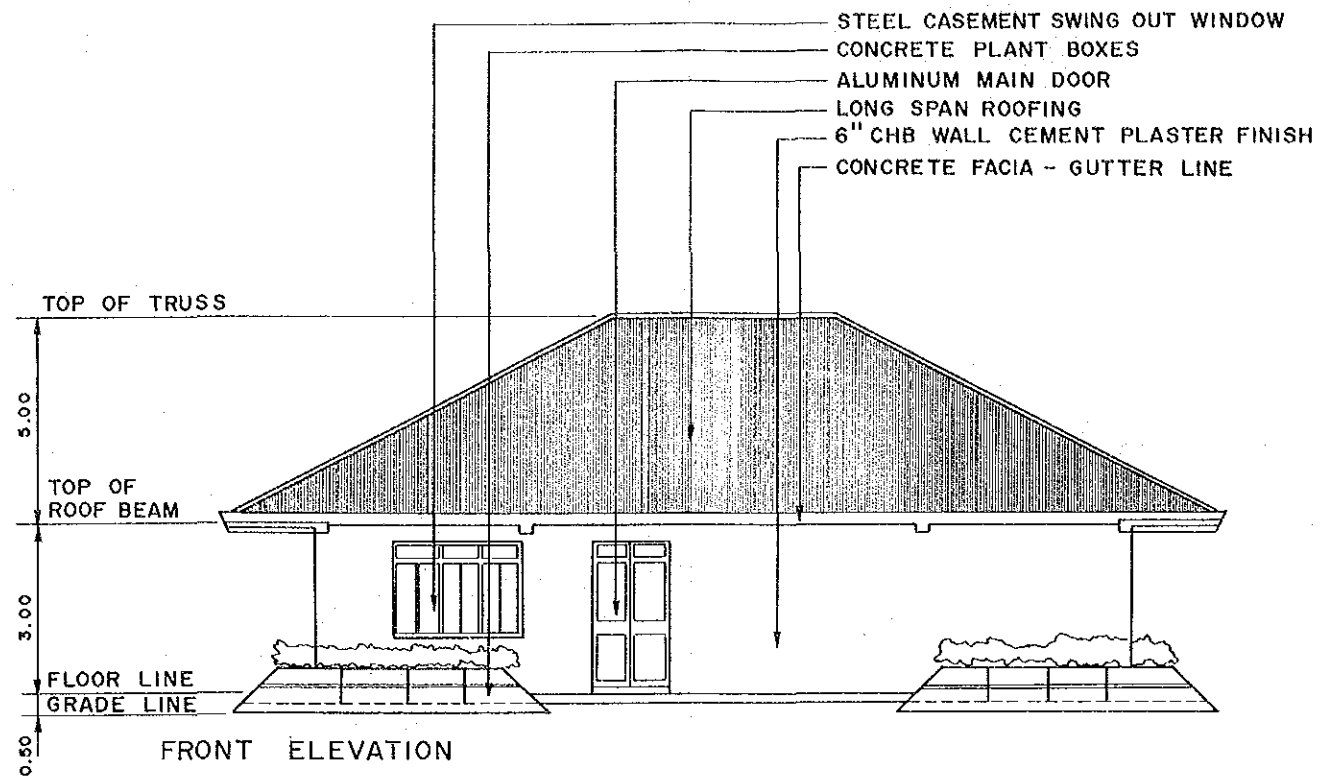
FRONT ELEVATION



REPUBLIC OF THE PHILIPPINES		
PROVINCIAL GOVERNMENT OF BENGUET		
THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF COMMUNITY CENTER (I)		
DATE	D.W.G. NO.	42
JAPAN INTERNATIONAL COOPERATION AGENCY		



FLOOR PLAN



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THE HIGHLAND INTEGRATED RURAL DEVELOPMENT PROJECT IN LA TRINIDAD		
PLAN OF COMMUNITY CENTER (2)		
DATE	D.W.G.NO.	43
JAPAN INTERNATIONAL COOPERATION AGENCY		

JICA