

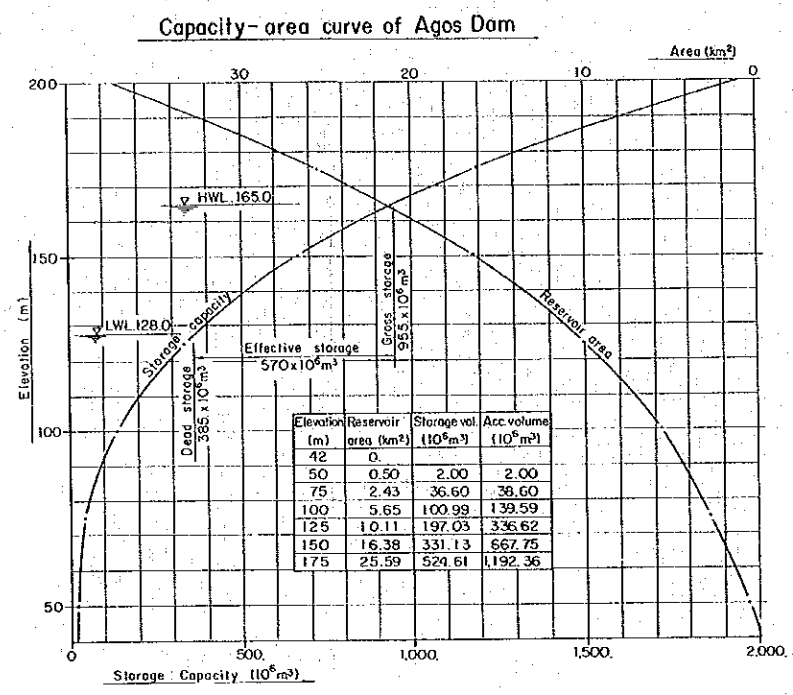
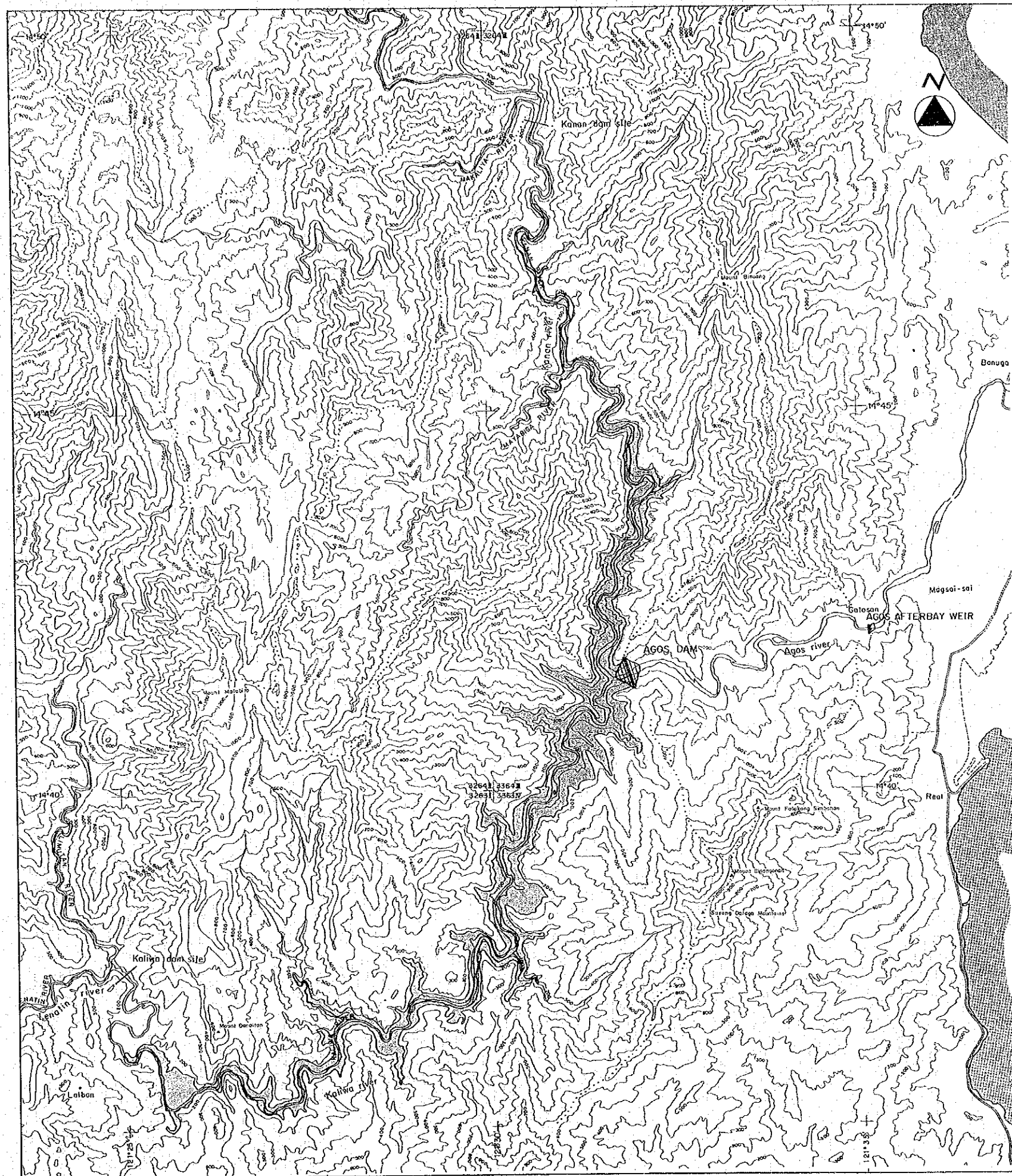
LEGEND

- QUATERNARY
- ALLUVIUM RIVER DEPOSIT
 - RS RESIDUAL SOIL, TALUS
 - TR TERRACE
 - GW GRAYWACKE
- CRETACEOUS TERTIARY
- UNDIFFERENTIATED SS FINE SANDSTONE
 - CG CONGLOMERATE
- STRIKE AND DIP OF BEDDING PLANE
- STRIKE AND DIP OF FAULT
- FAULT

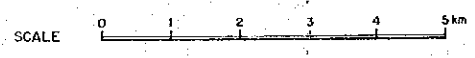
REPUBLIC OF THE PHILIPPINES
 NATIONAL POWER CORPORATION
 AGOS HYDROELECTRIC PROJECT
 GEOLOGICAL MAP OF THE AGOS DAMSITE

DATE	DEC. 1980	DWG. NO.	4
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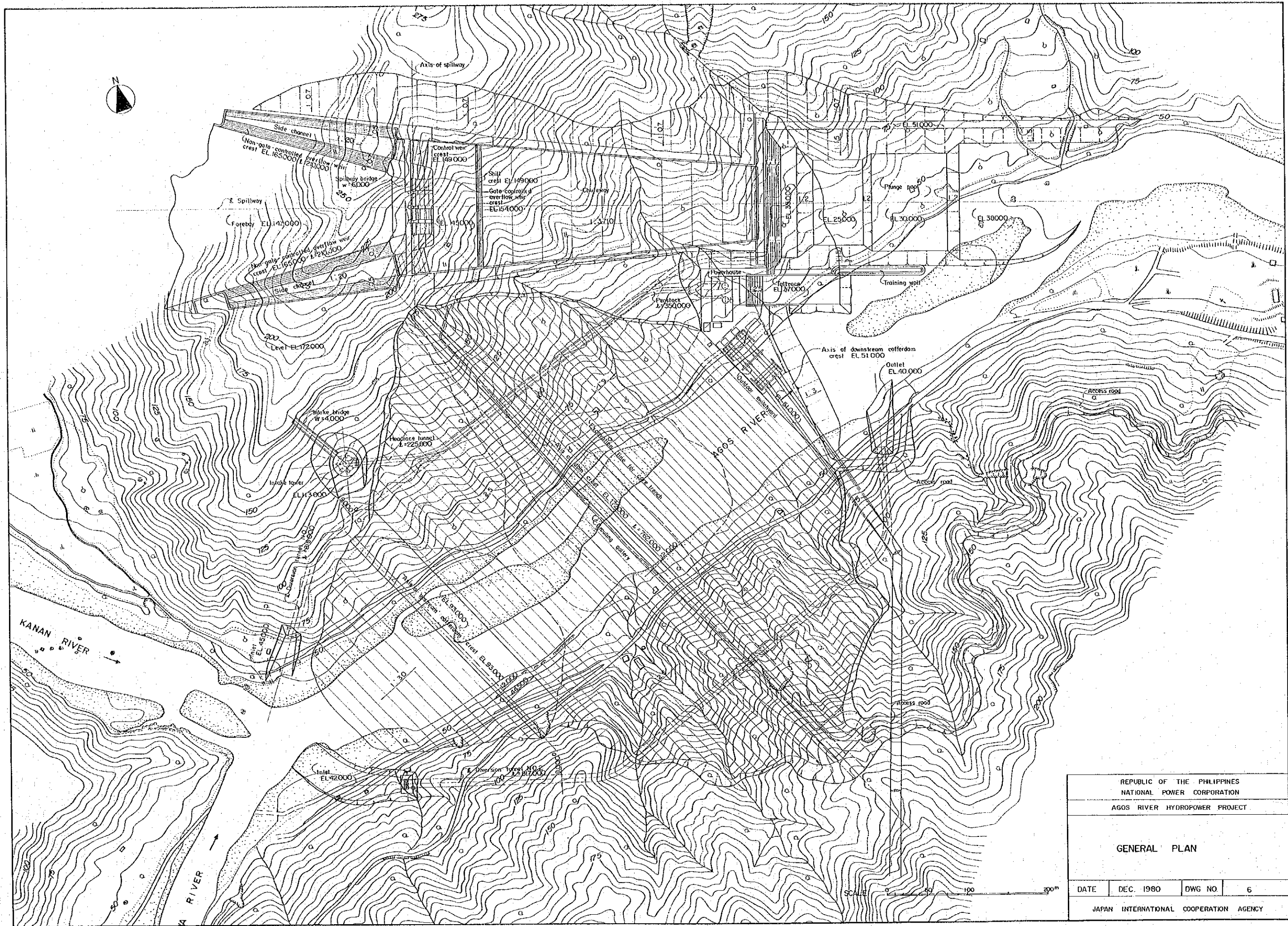
JAPAN INTERNATIONAL COOPERATION AGENCY



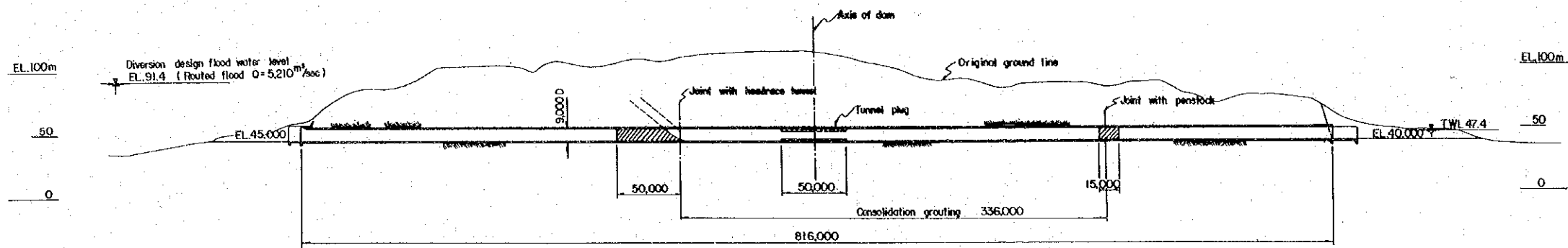
Reservoir Area based on NPC and PICOREM'S 1:5,000 map.



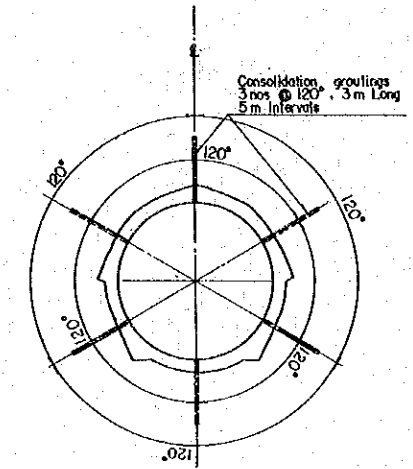
REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
RESERVOIR AREA			
DATE	DEC. 1980	DWG. NO.	5
JAPAN INTERNATIONAL COOPERATION AGENCY			



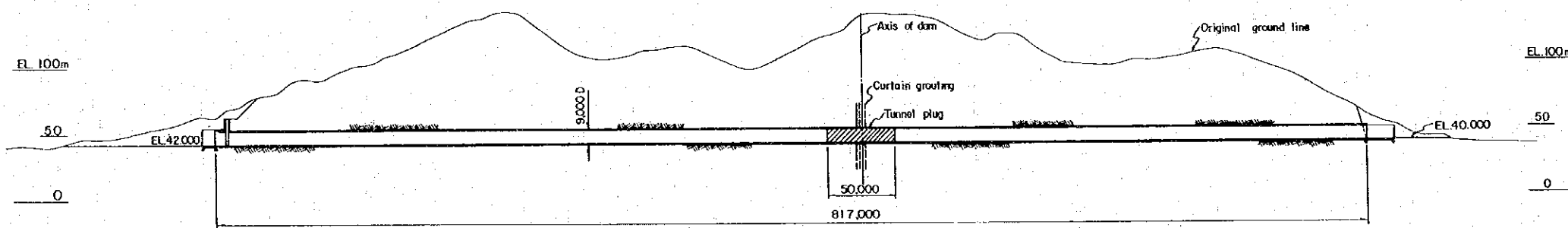
REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
GENERAL PLAN			
DATE	DEC. 1980	DWG NO.	6
JAPAN INTERNATIONAL COOPERATION AGENCY			



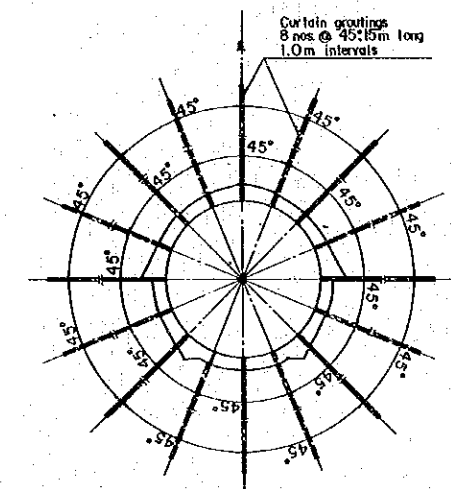
DIVERSION TUNNEL No.1 (used for Waterway)
SCALE A



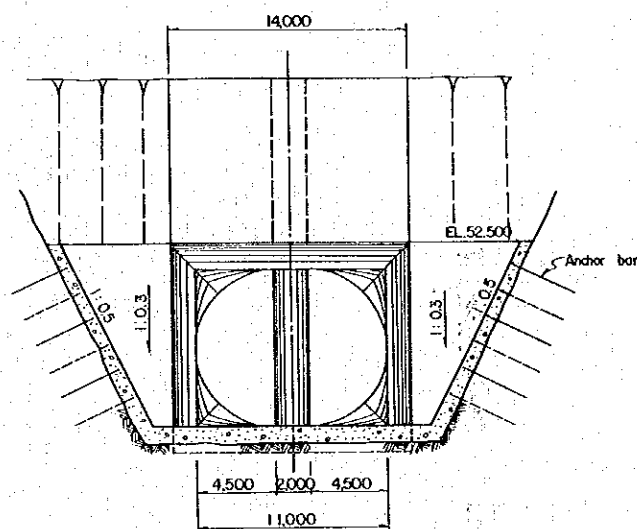
ARRANGEMENT OF CONSOLIDATION GROUT HOLE
SCALE B



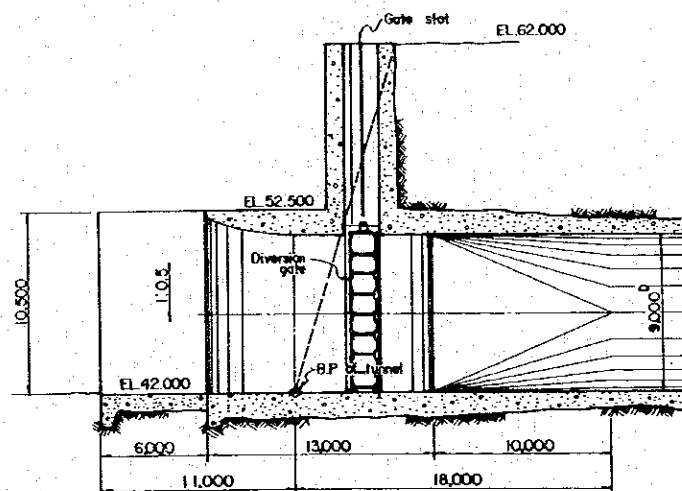
DIVERSION TUNNEL No. 2
SCALE A



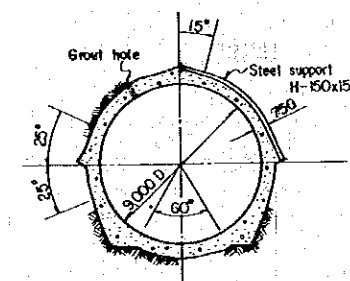
ARRANGEMENT OF CURTAIN GROUT HOLE
SCALE B



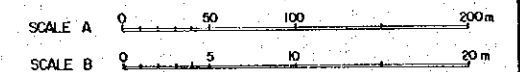
FRONT ELEVATION OF DIVERSION INLET
SCALE B



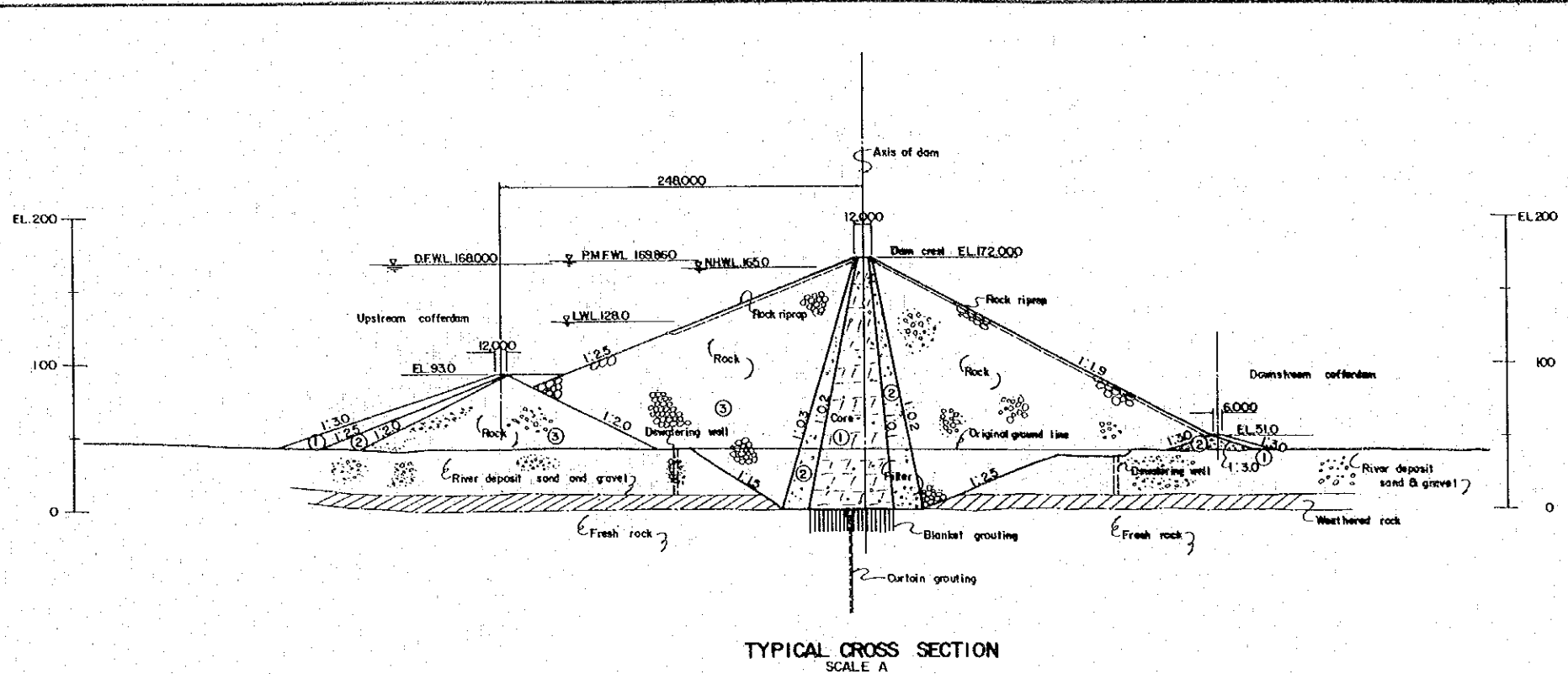
PROFILE OF DIVERSION INLET
SCALE B



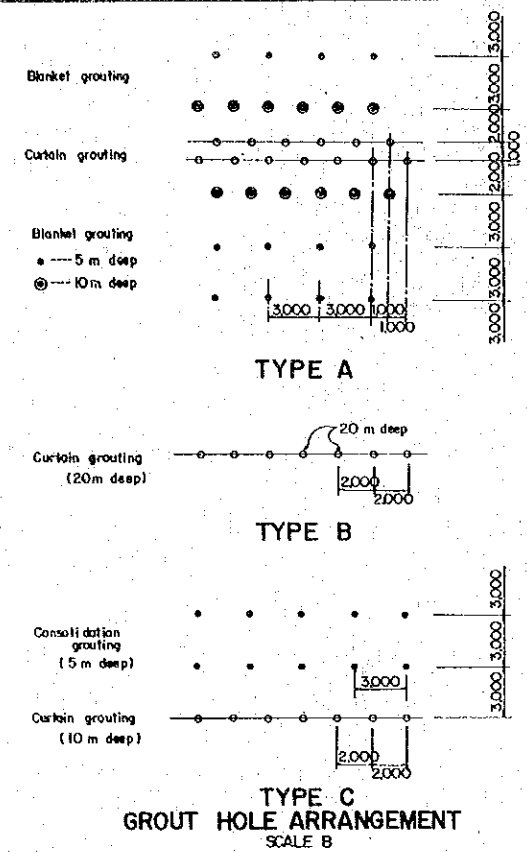
TYPICAL CROSS SECTION OF DIVERSION TUNNEL
SCALE B



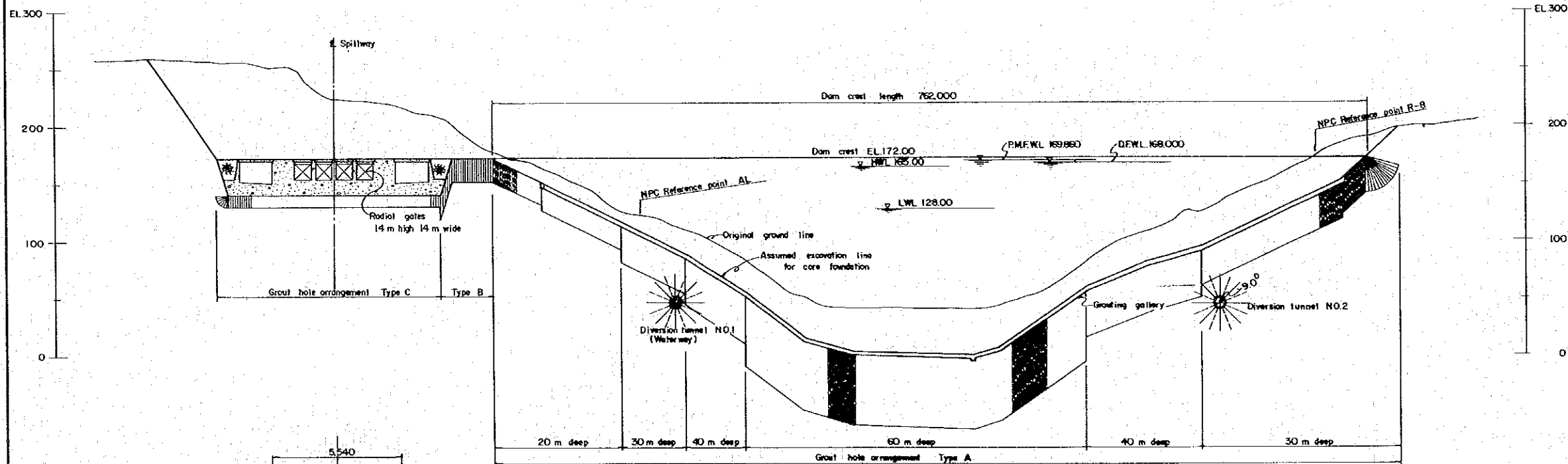
REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
DIVERSION TUNNELS			
DATE	DEC. 1980	DWG. NO.	7
JAPAN INTERNATIONAL COOPERATION AGENCY			



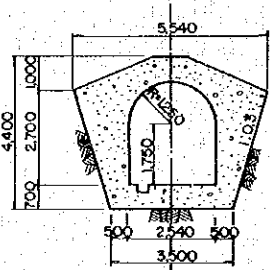
TYPICAL CROSS SECTION
SCALE A



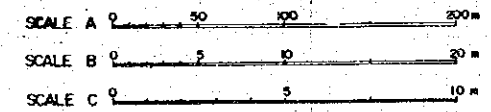
TYPICAL CROSS SECTION
SCALE B



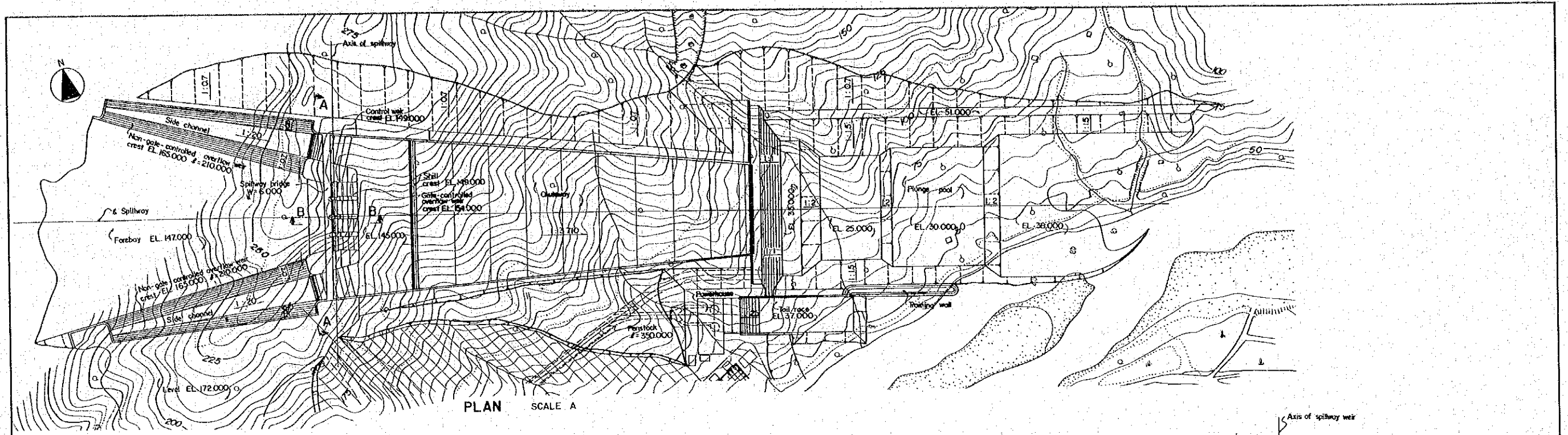
PROFILE
SCALE A



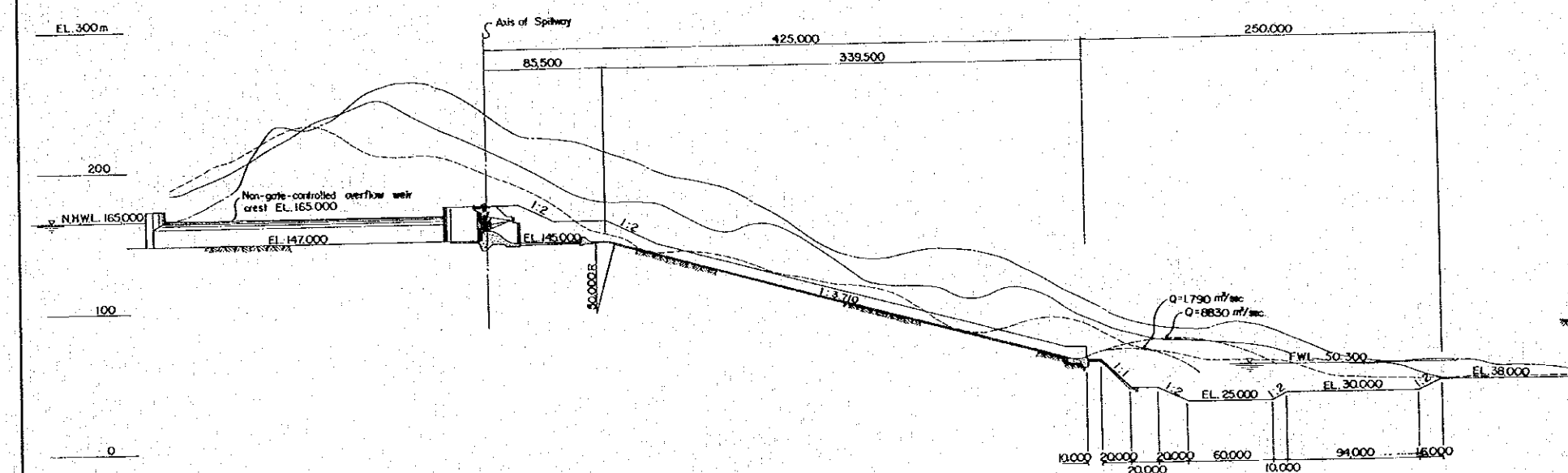
TYPICAL SECTION OF GROUTING GALLERY
SCALE C



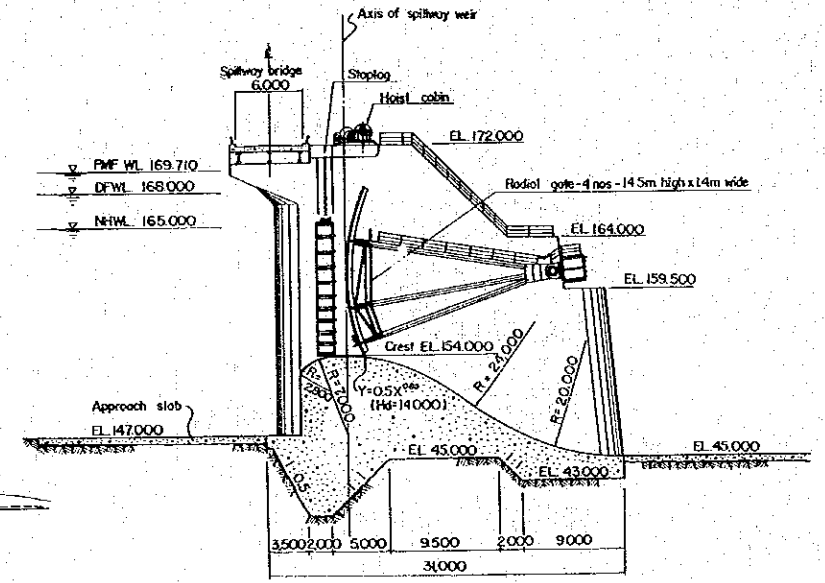
REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
DAM			
DATE	DEC. 1980	DWG. NO.	8
JAPAN INTERNATIONAL COOPERATION AGENCY			



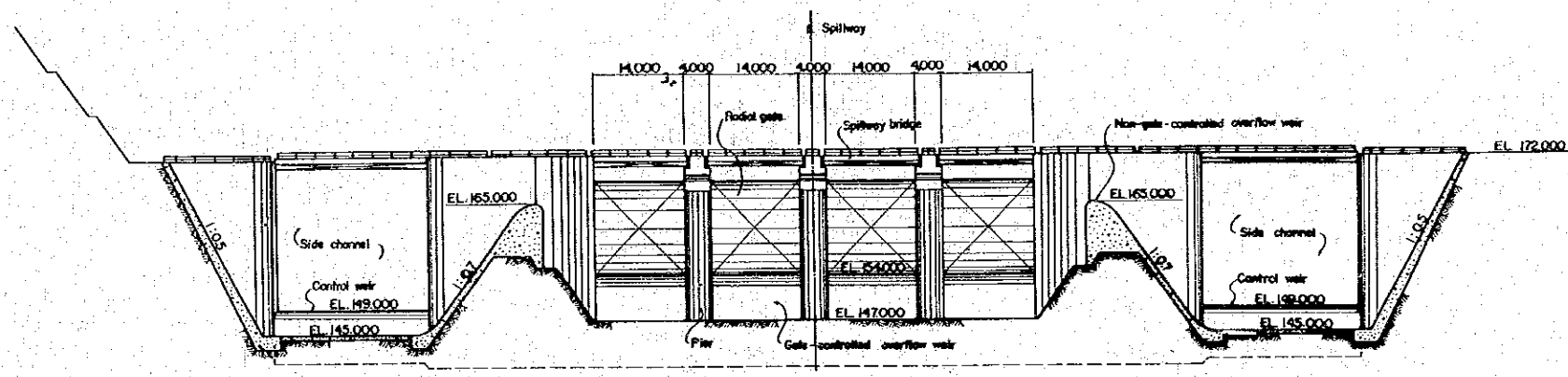
PLAN SCALE A



PROFILE ALONG E SPILLWAY SCALE A

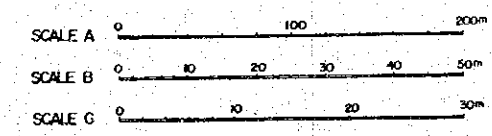


SECTION B-B SCALE C

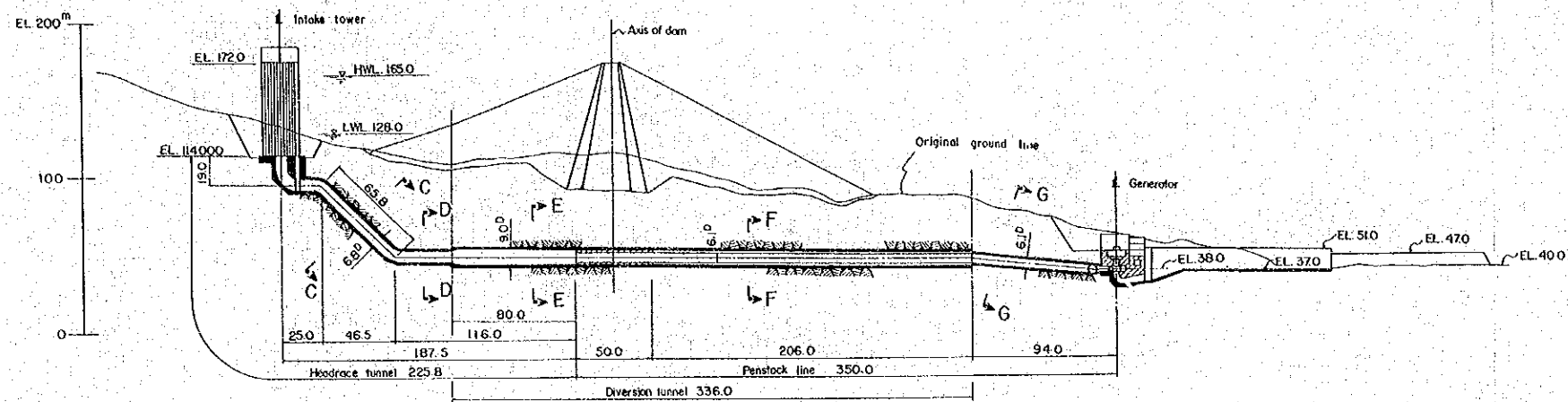


SECTION A-A SCALE B

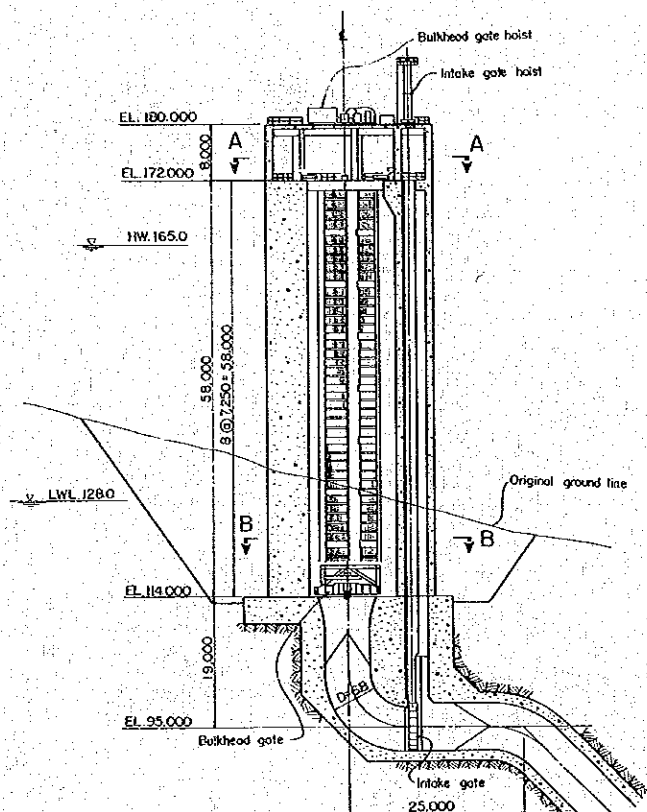
- NOTE :
1. Peak discharge of P.M.F. = 17,300 m³/sec.
 2. Spillway design discharge = 10,600 m³/sec.
 3. 200-year flood = 8,830 m³/sec.
 4. 2-year flood = 1,790 m³/sec.



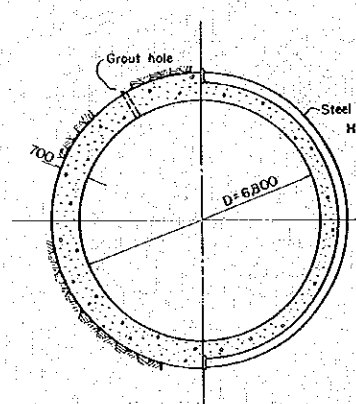
REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
SPILLWAY			
DATE	DEC. 1980	DWG. NO.	9
JAPAN INTERNATIONAL COOPERATION AGENCY			



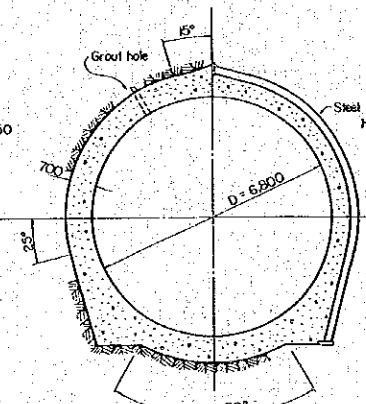
PROFILE OF WATERWAY SCALE A



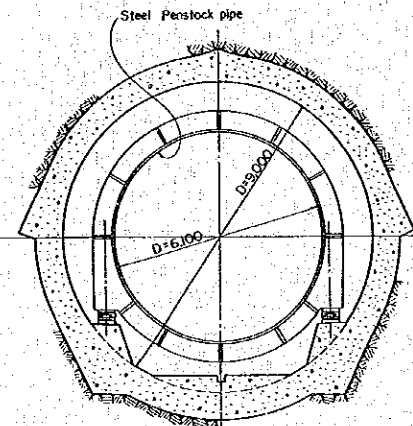
DETAIL OF INTAKE TOWER SCALE B



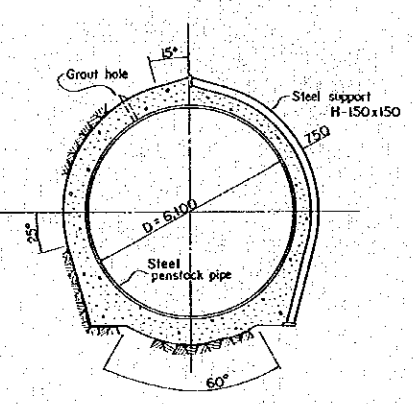
SECTION C-C SCALE C



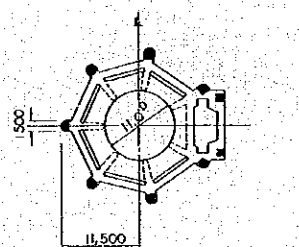
SECTION D-D SCALE C



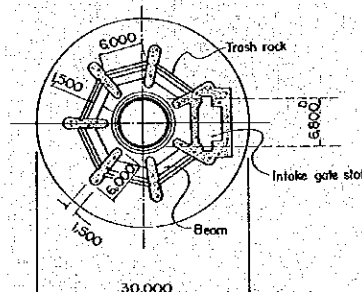
SECTION F-F SCALE C



SECTION G-G SCALE C



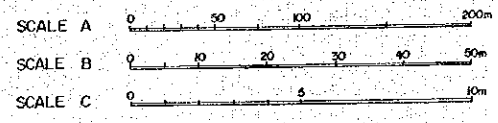
SECTION A-A SCALE B

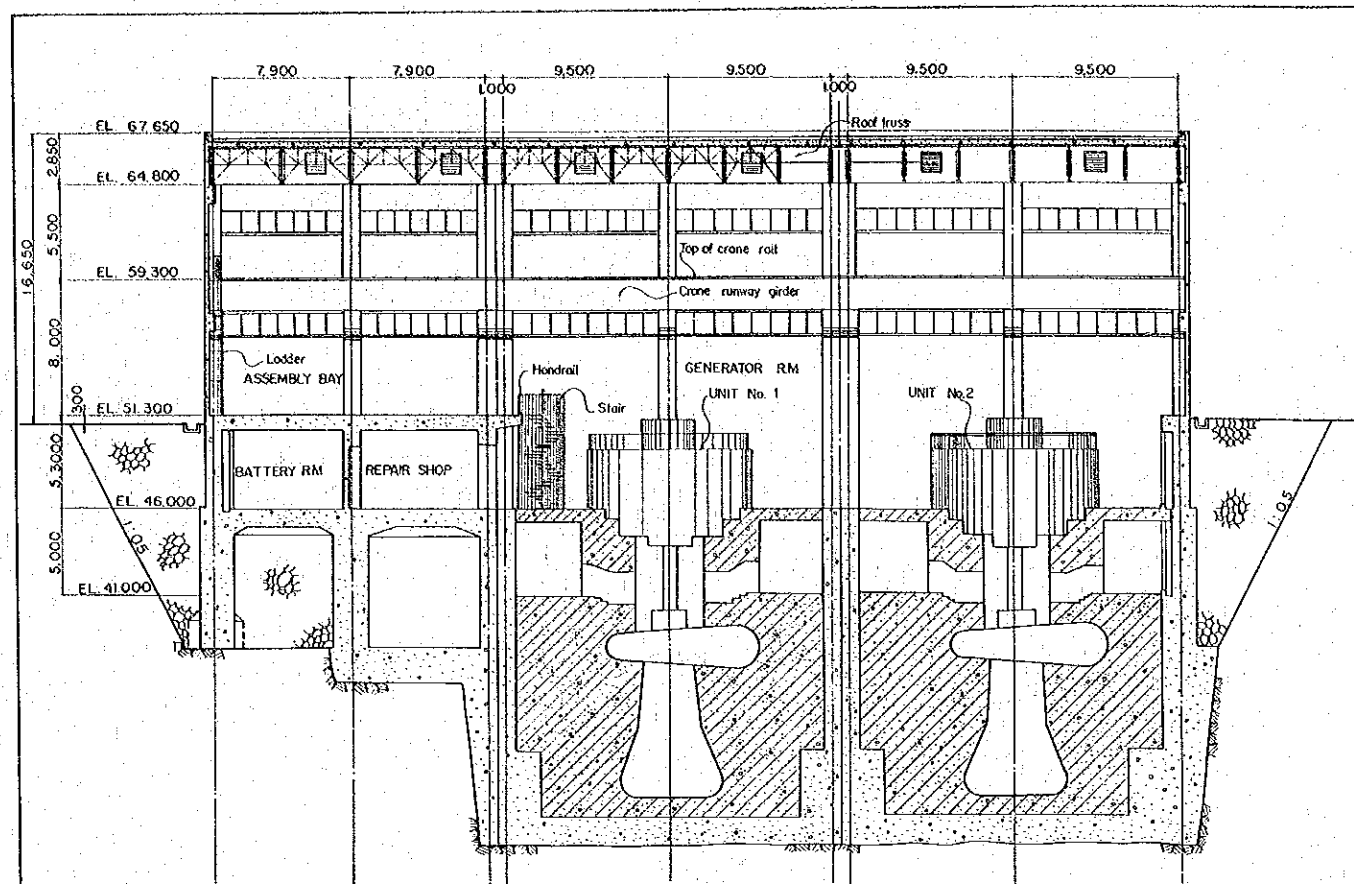


SECTION B-B SCALE B

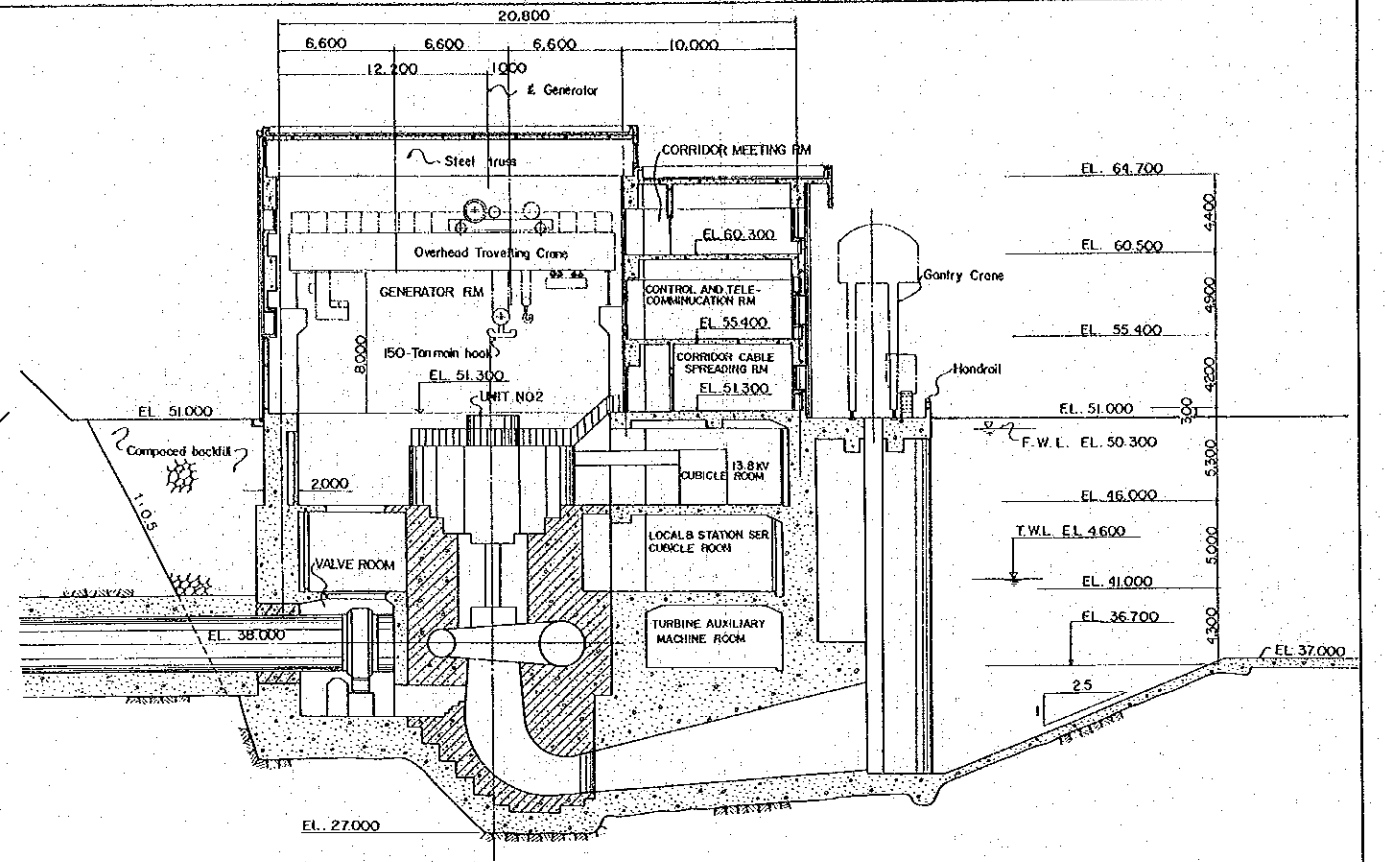
Section E-E refer to Dwg. No. 7

REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
INTAKE TOWER AND WATERWAY			
DATE	DEC. 1980	DWG. NO.	10
JAPAN INTERNATIONAL COOPERATION AGENCY			

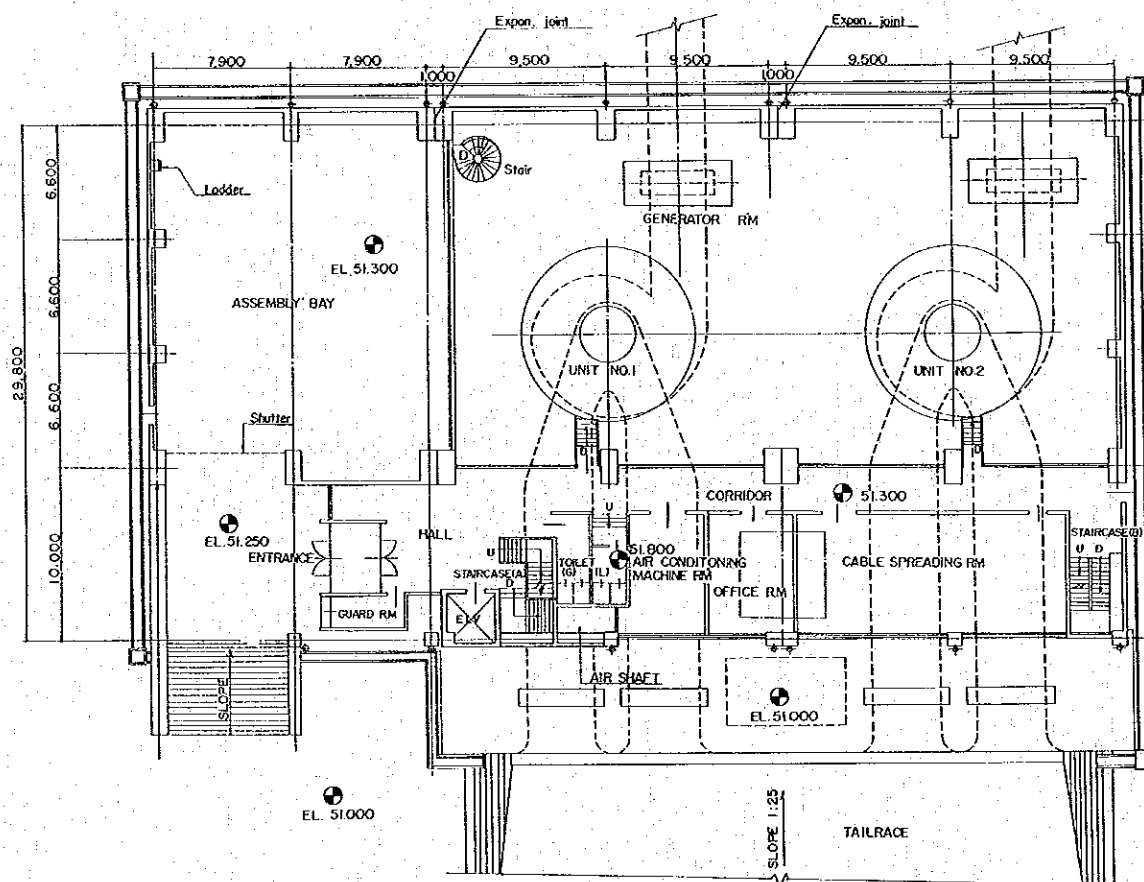




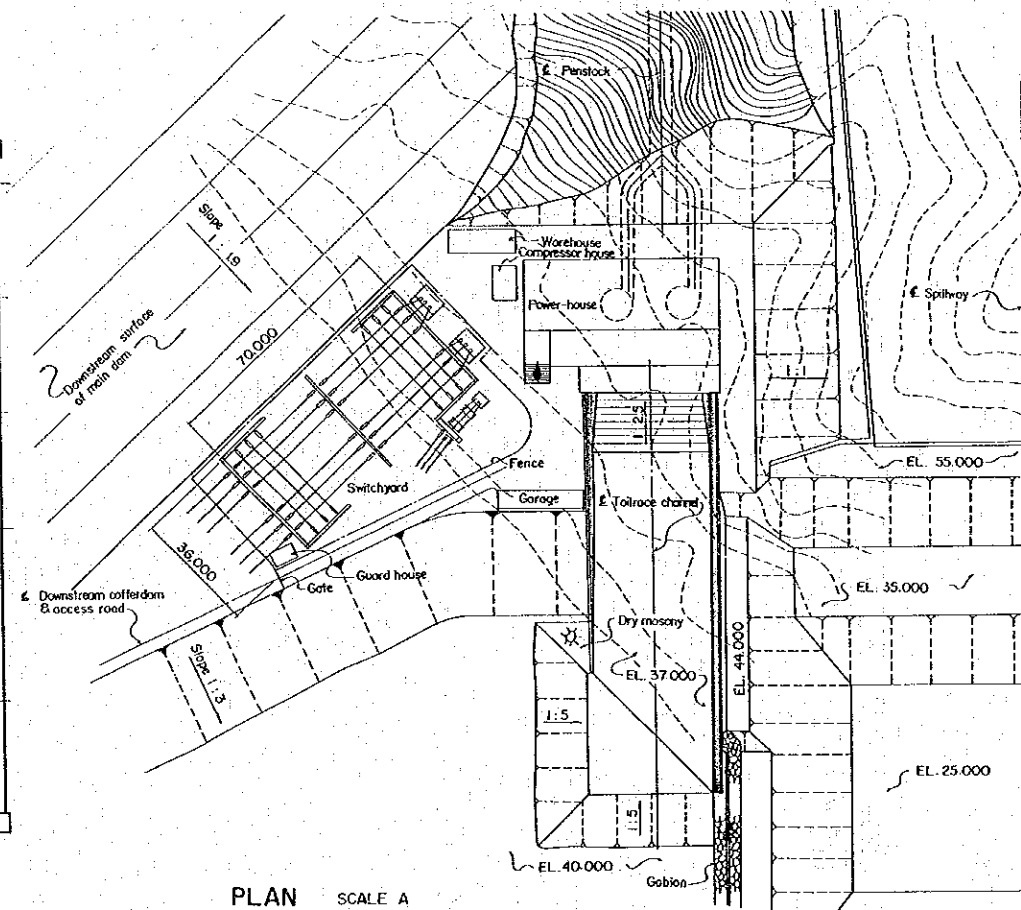
LONGITUDINAL SECTION SCALE B



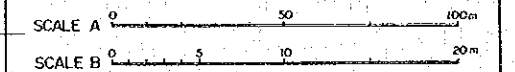
TRANSVERSAL SECTION SCALE B



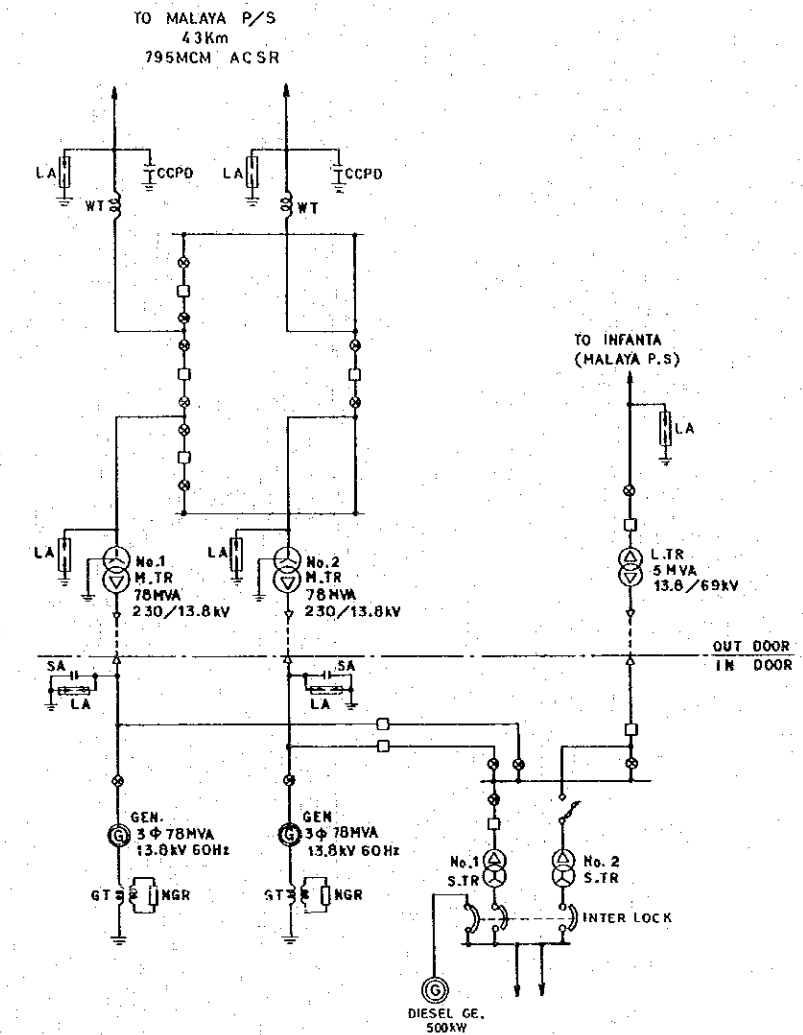
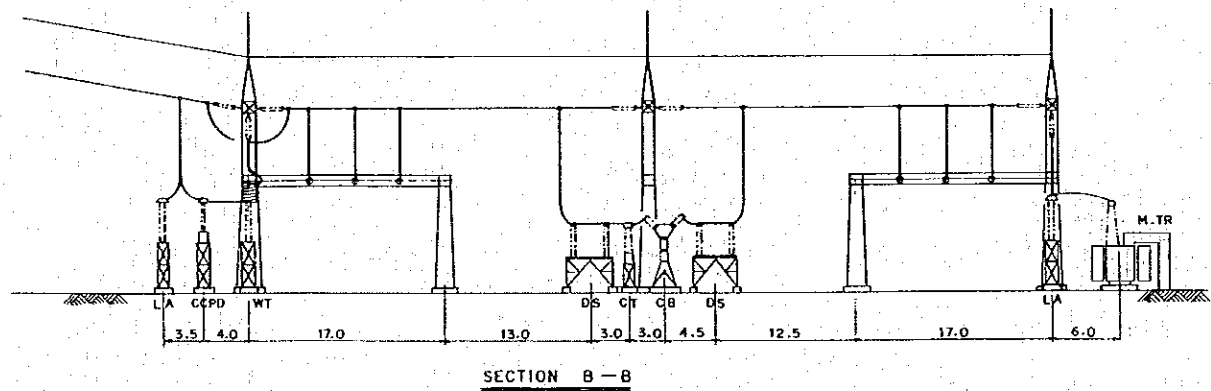
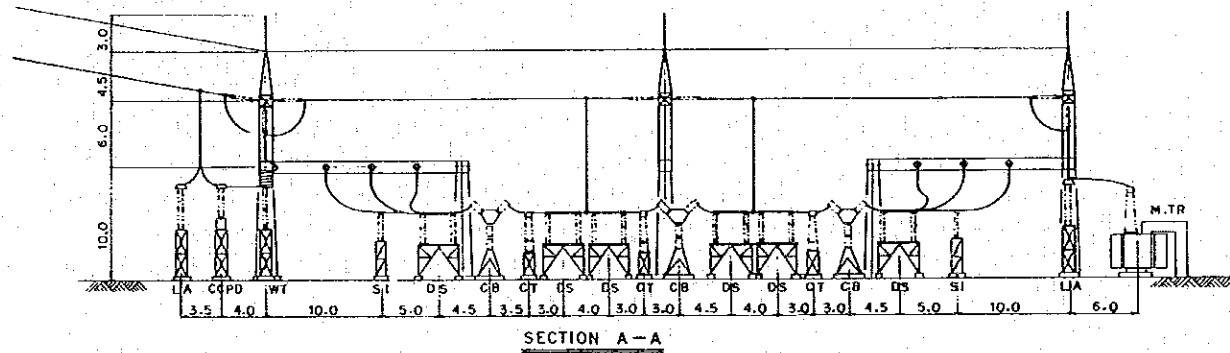
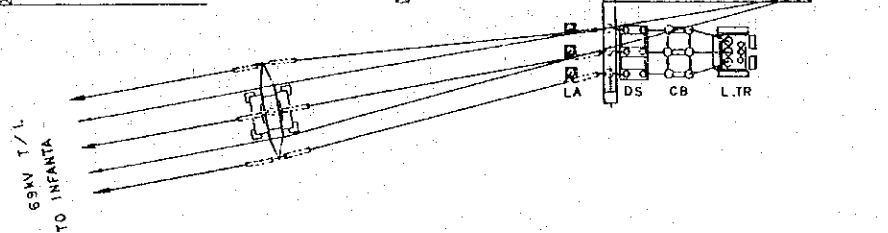
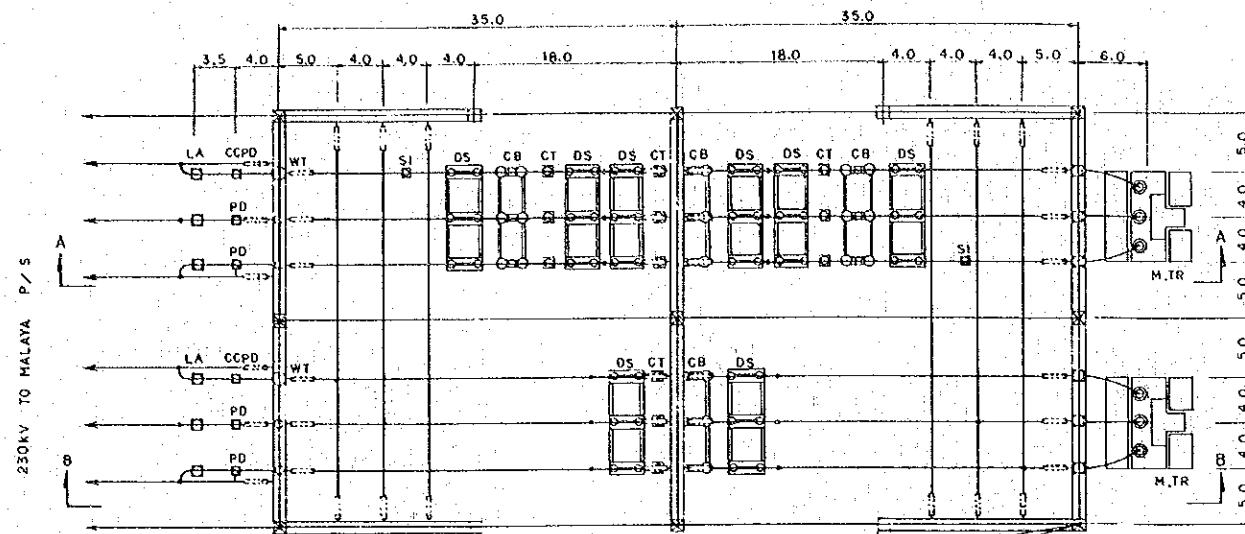
EL. 51.300 PLAN SCALE B



PLAN SCALE A



REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
POWERHOUSE			
DATE	DEC. 1980	DWG NO.	11
JAPAN INTERNATIONAL COOPERATION AGENCY			

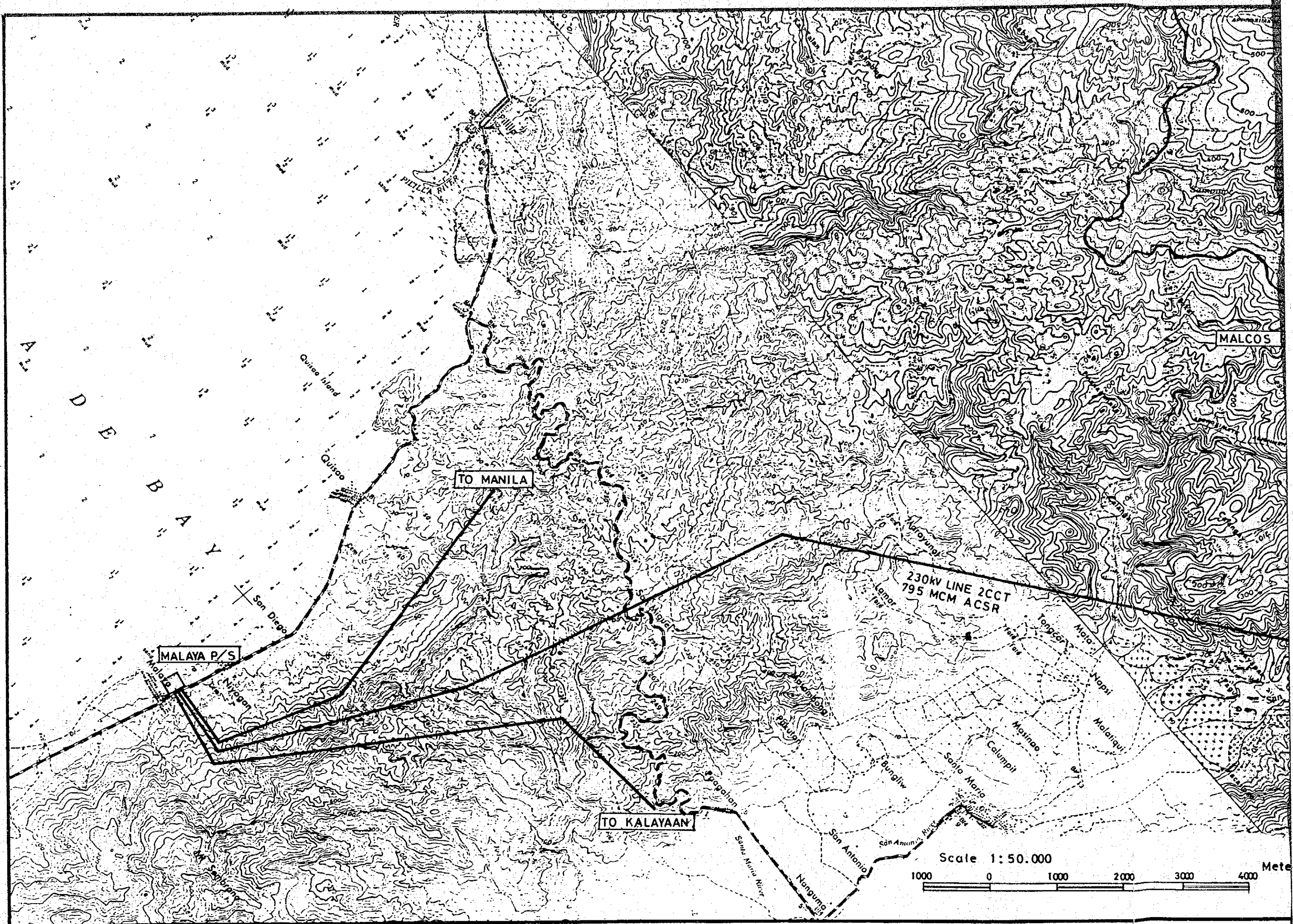


LEGEND	
(X)	DISCONNECTING SWITCH
(□)	CIRCUIT BREAKER
(⚡)	LIGHTNING ARRESTER
(G)	GENERATOR
(T)	TRANSFORMER
(~)	WAVE TRAP

No. 1 S.T.R
750kVA 13.8kV/440/220V

No. 2 S.T.R
750kVA 13.8kV/440/220V

REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION			
AGOS RIVER HYDROPOWER PROJECT			
SINGLE LINE DIAGRAM AND OUTDOOR SWITCH YARD			
DATE	DEC 1980	DWG. NO.	12
JAPAN INTERNATIONAL COOPERATION AGENCY			



A
D
E
B
A
Y

TO MANILA

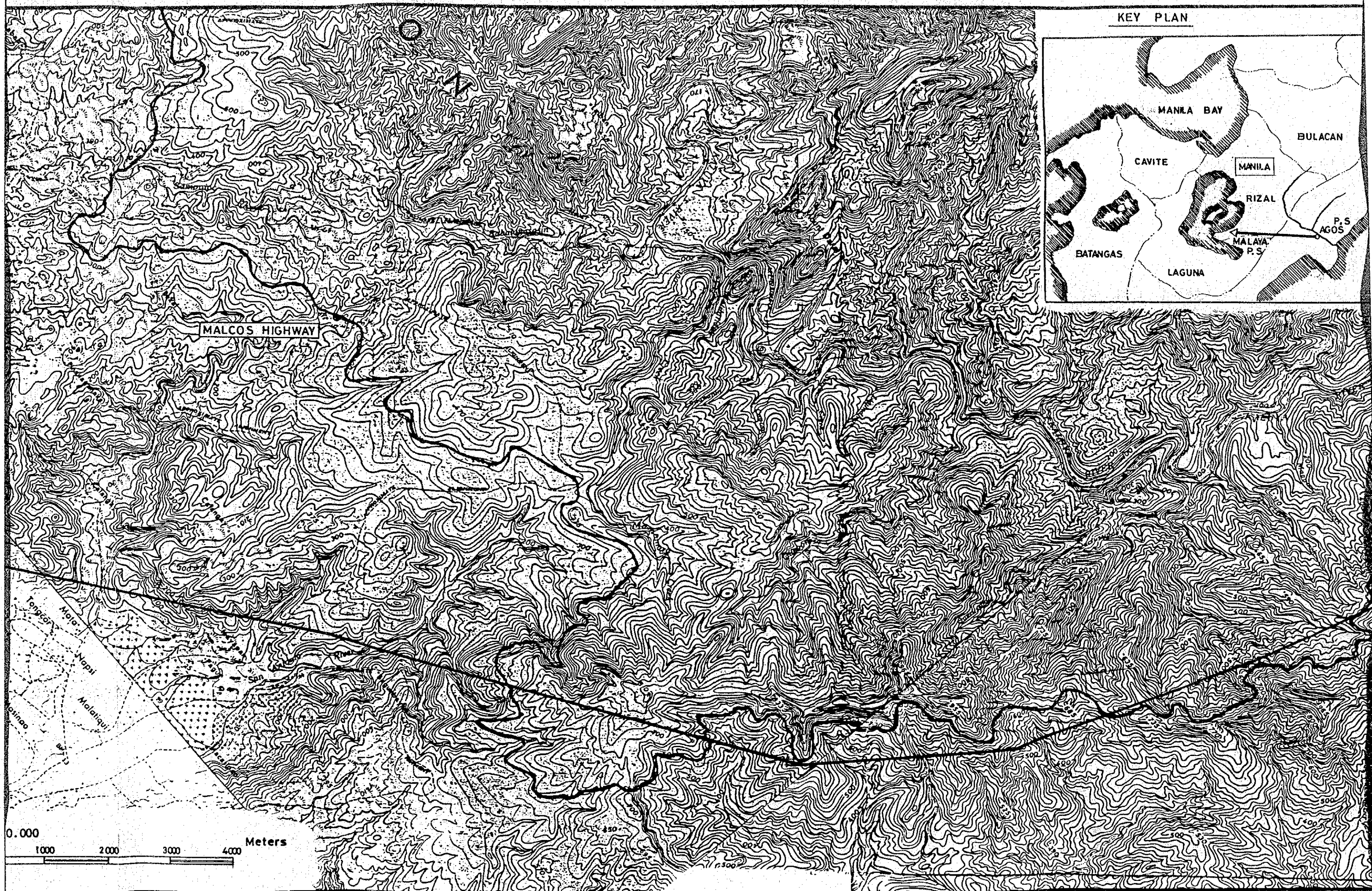
TO KALAYAAN

MALAYA P/S

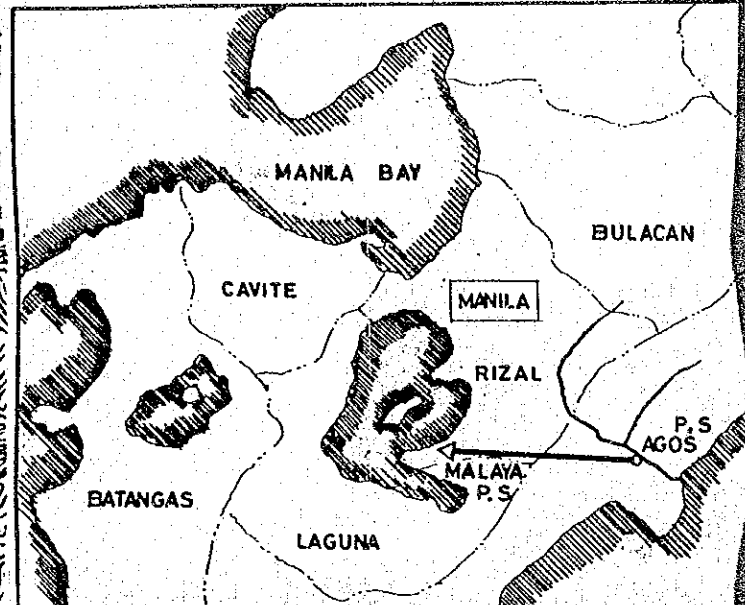
230KV LINE 2CCT
795 MCM ACSR

MALCOS

Scale 1:50,000
1000 0 1000 2000 3000 4000 Meters



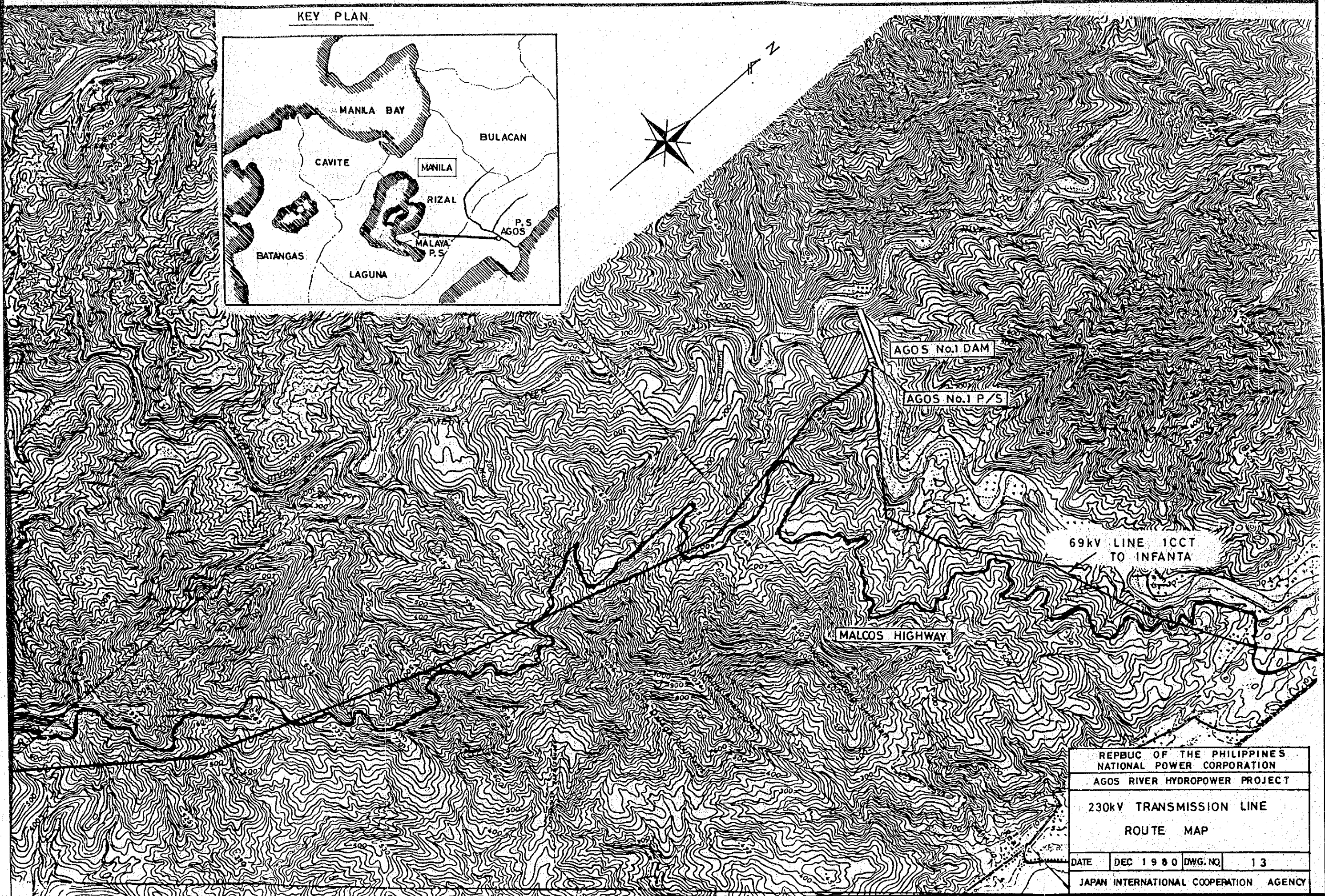
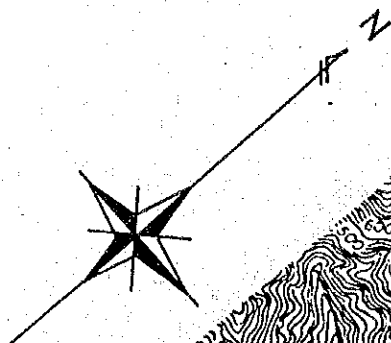
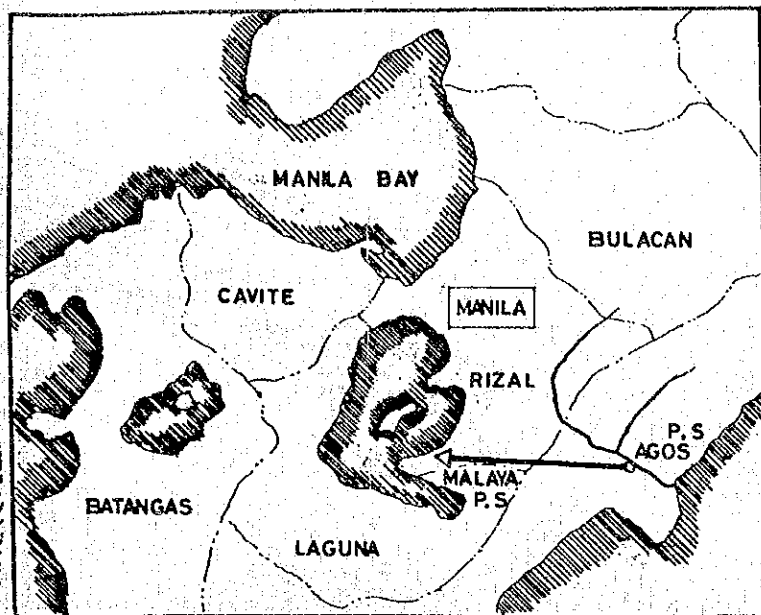
KEY PLAN



MALCOS HIGHWAY

0. 000
1000 2000 3000 4000 Meters

KEY PLAN



AGOS No.1 DAM

AGOS No.1 P/S

69kV LINE 1CCT
TO INFANTA

MALCOS HIGHWAY

REPUBLIC OF THE PHILIPPINES
NATIONAL POWER CORPORATION

AGOS RIVER HYDROPOWER PROJECT

230kV TRANSMISSION LINE

ROUTE MAP

DATE DEC 1980 DWG. NO. 13

JAPAN INTERNATIONAL COOPERATION AGENCY

JICA