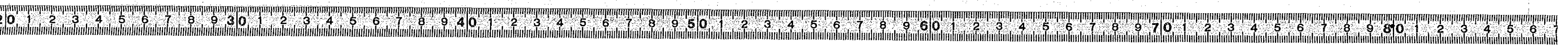
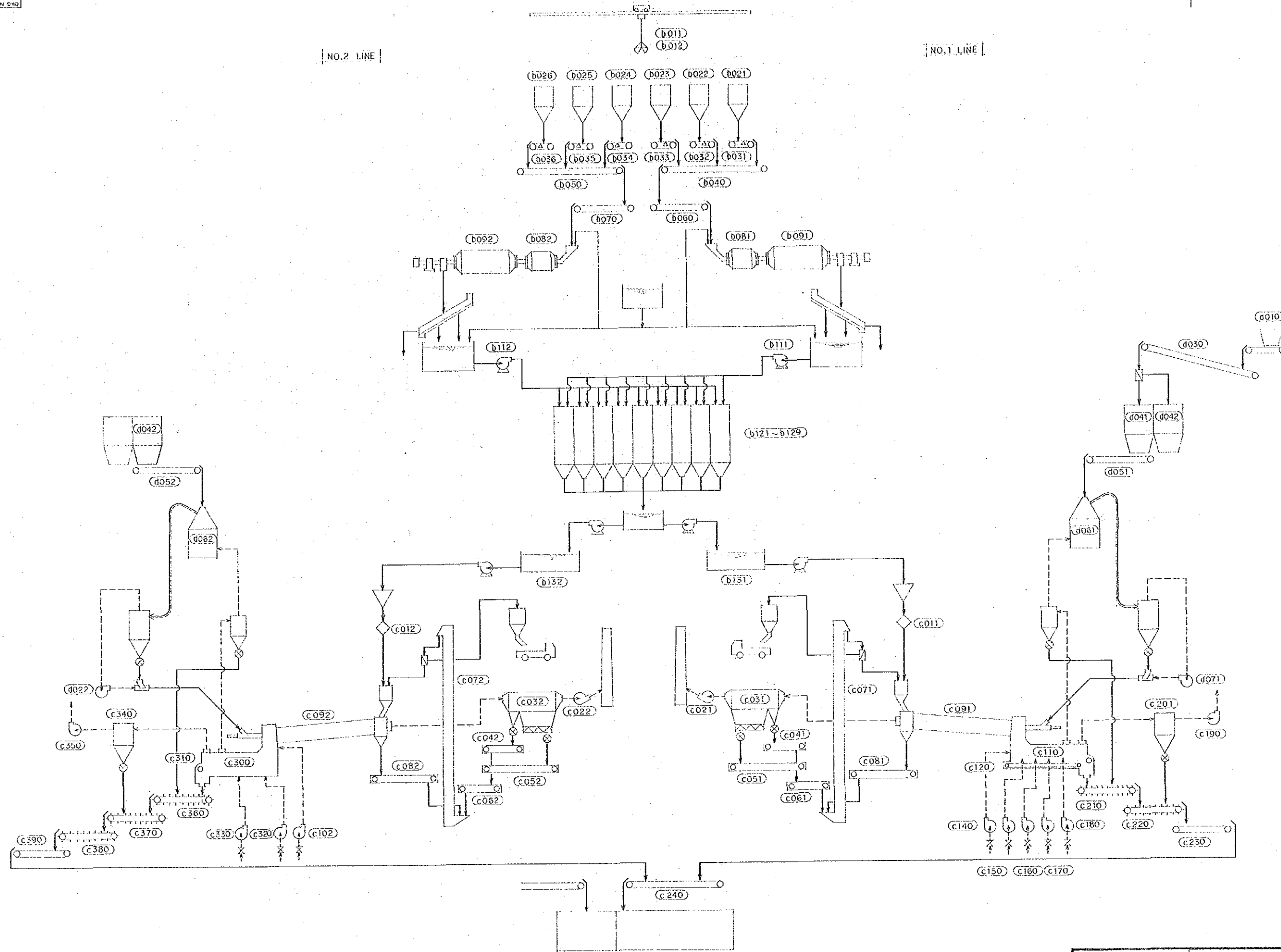


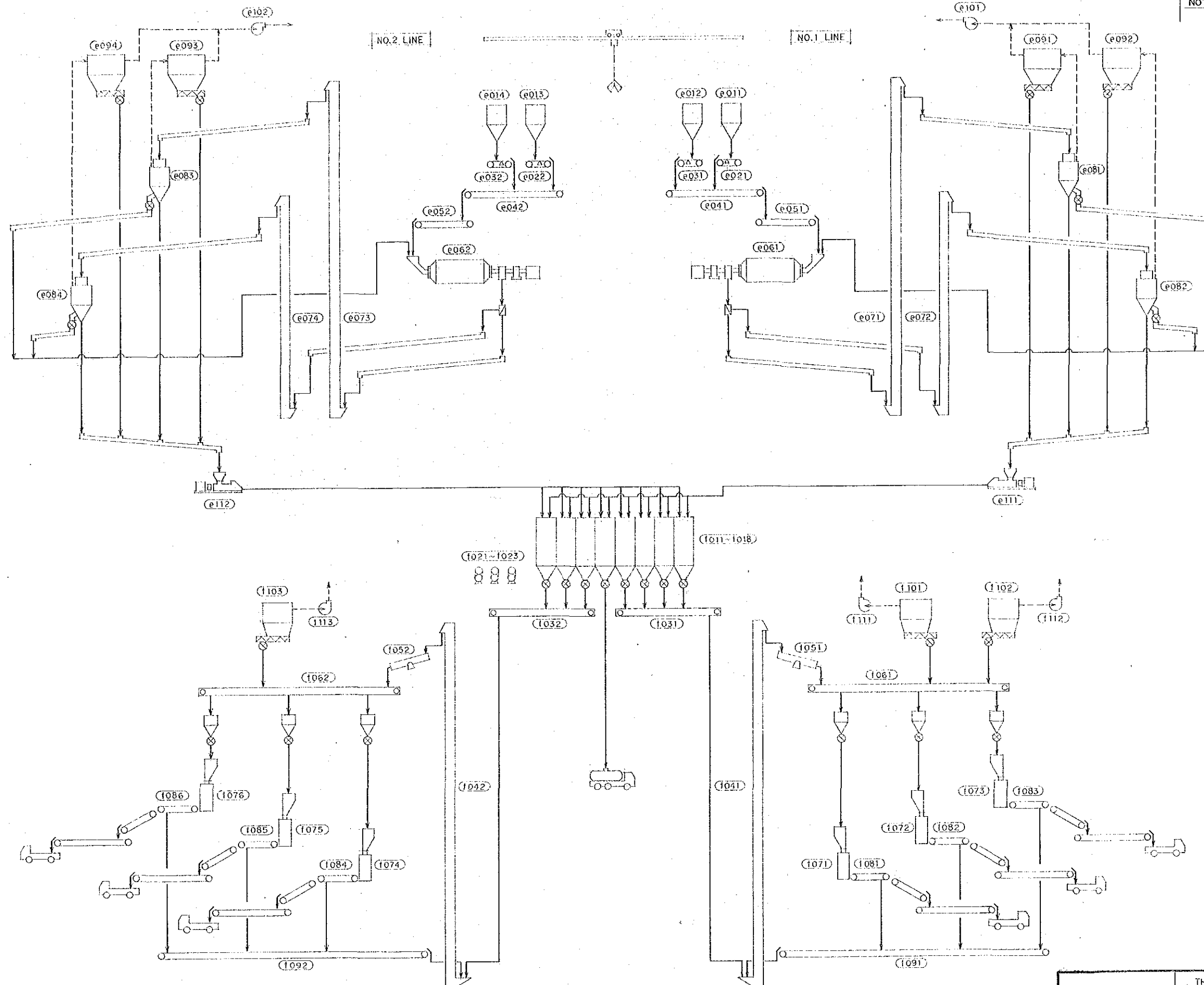
JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		EXISTING PLANT FLOW SHEET (1/3) (RAW MATERIAL RECEIVING DEPARTMENT)			
APPROVED	CHECKED	DESIGNED	SCALE	DATE	DWG. No.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	-	MAY, 9, 86	P-02
					FILE No.





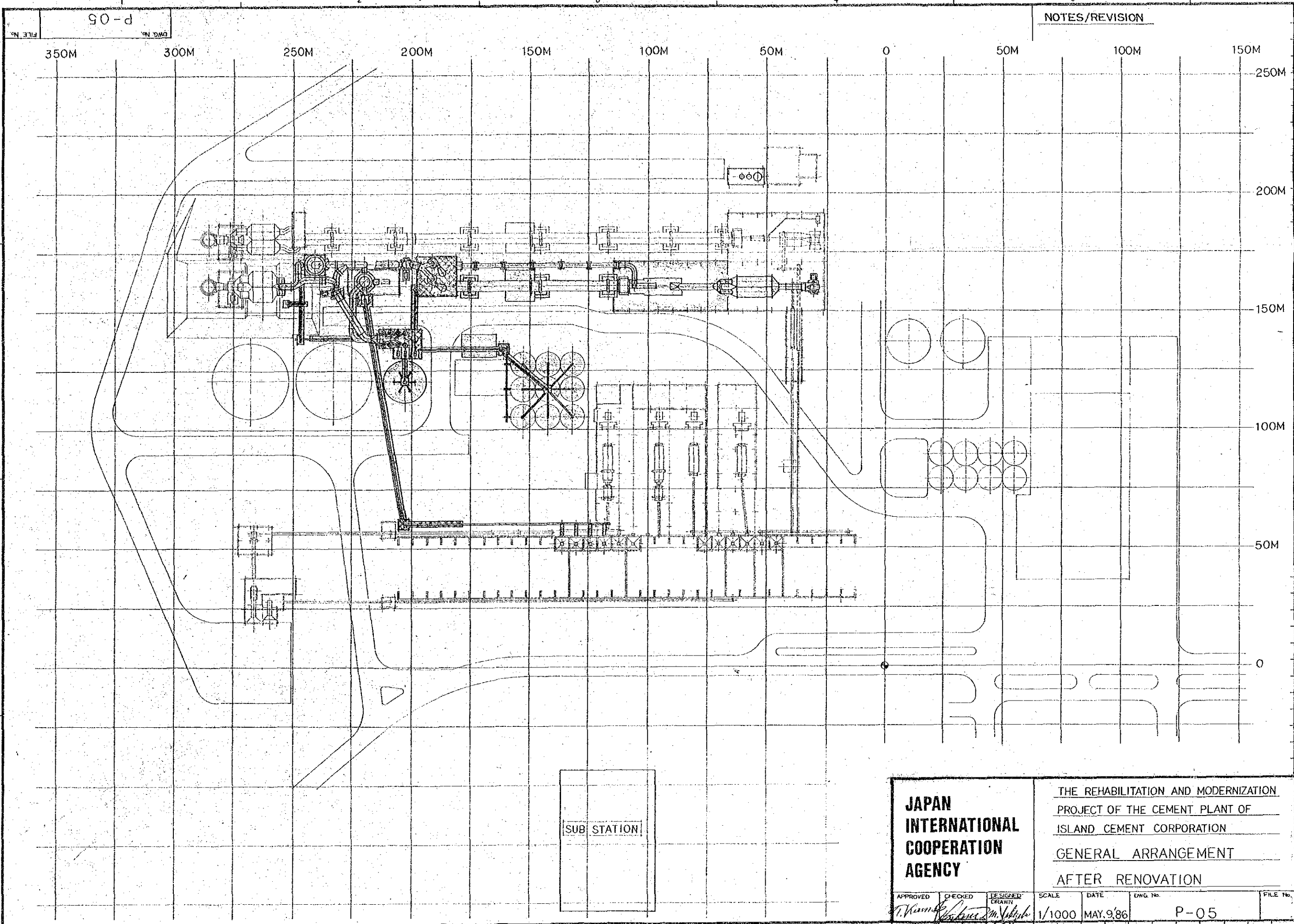
JAPAN INTERNATIONAL COOPERATION AGENCY	THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION EXISTING PLANT FLOW SHEET (2/3) (RAW MATERIAL GRINDING & BURNING DEPARTMENT)			
	APPROVED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DESIGNED <i>[Signature]</i>	SCALE DATE MAY, 9, 86





JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION EXISTING PLANT FLOW SHEET (3/3) (CEMENT GRINDING & PACKING DEPARTMENT)			
		APPROVED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DESIGNED <i>[Signature]</i>	SCALE ---
		P-04		FILE NO.	



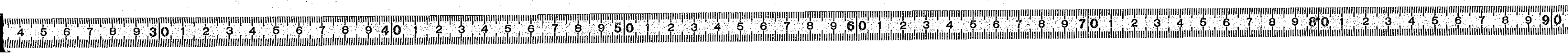


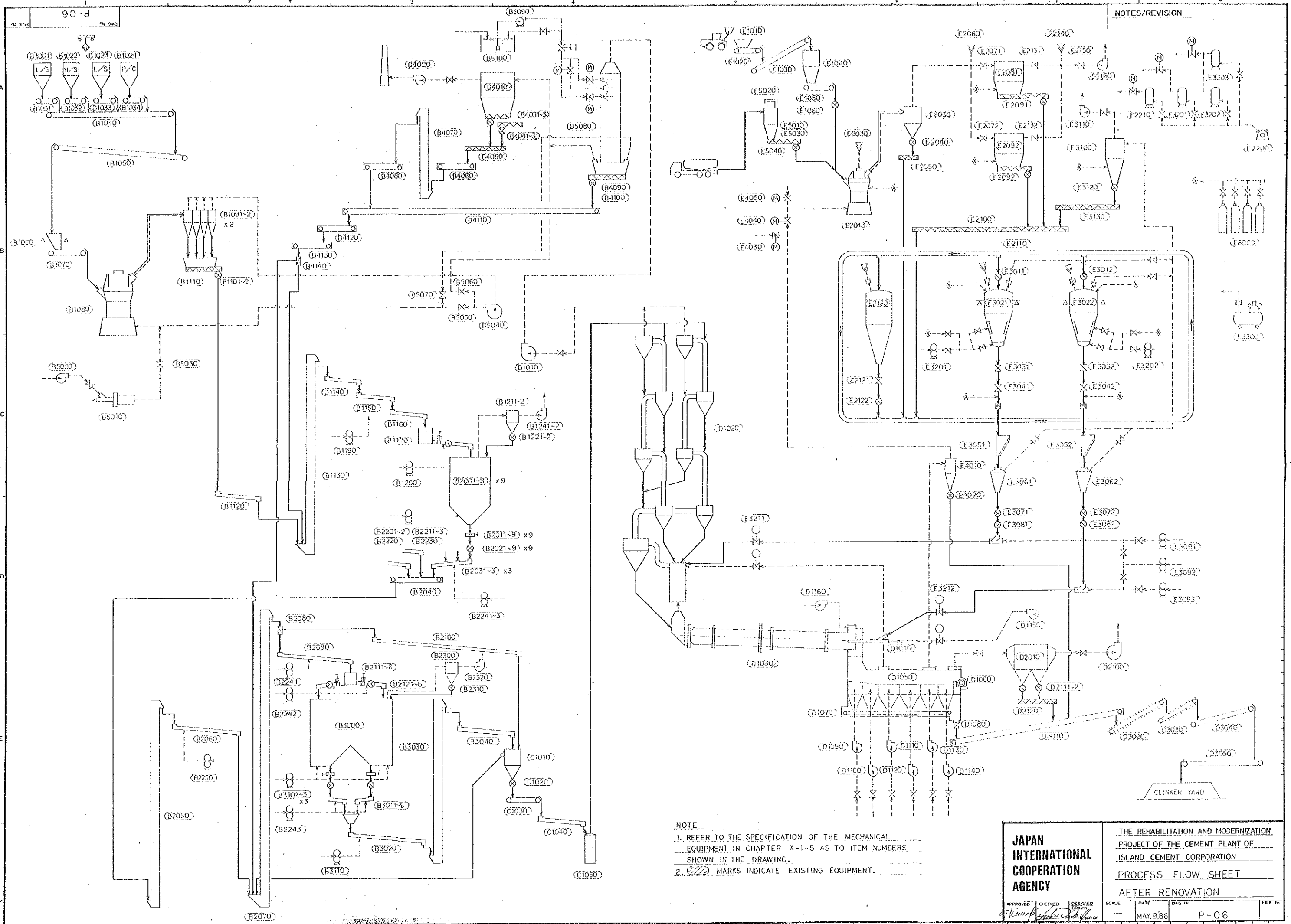
FILE No. P-05
DWG No.

NOTES/REVISION

JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		GENERAL ARRANGEMENT AFTER RENOVATION			
APPROVED	CHECKED	DESIGNED DRAWN	SCALE	DATE	DWG No.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	1/1000	MAY.9.86	P-05

SUB STATION

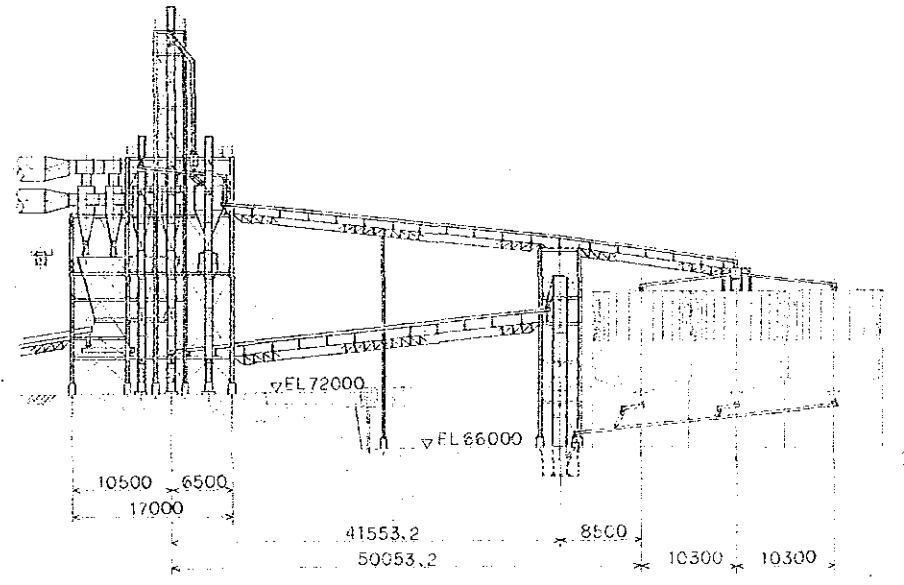
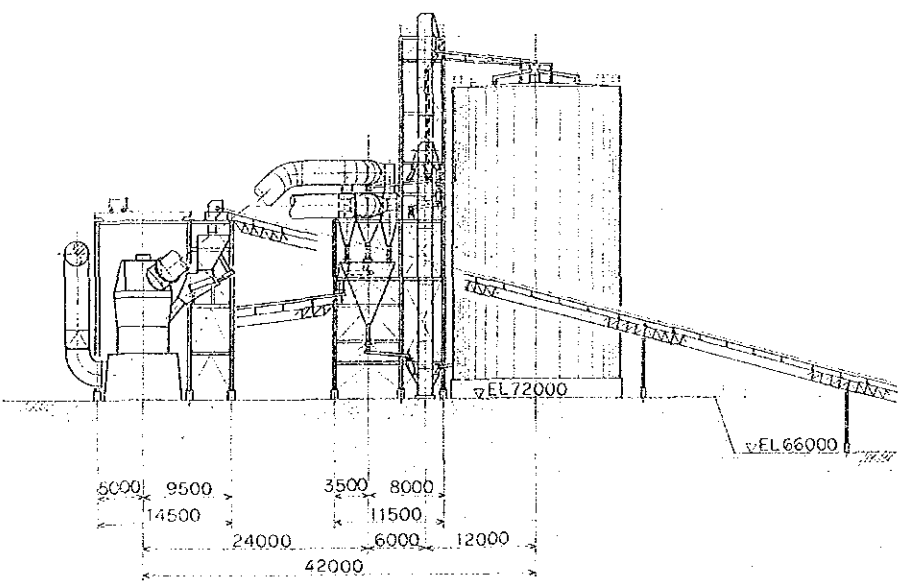
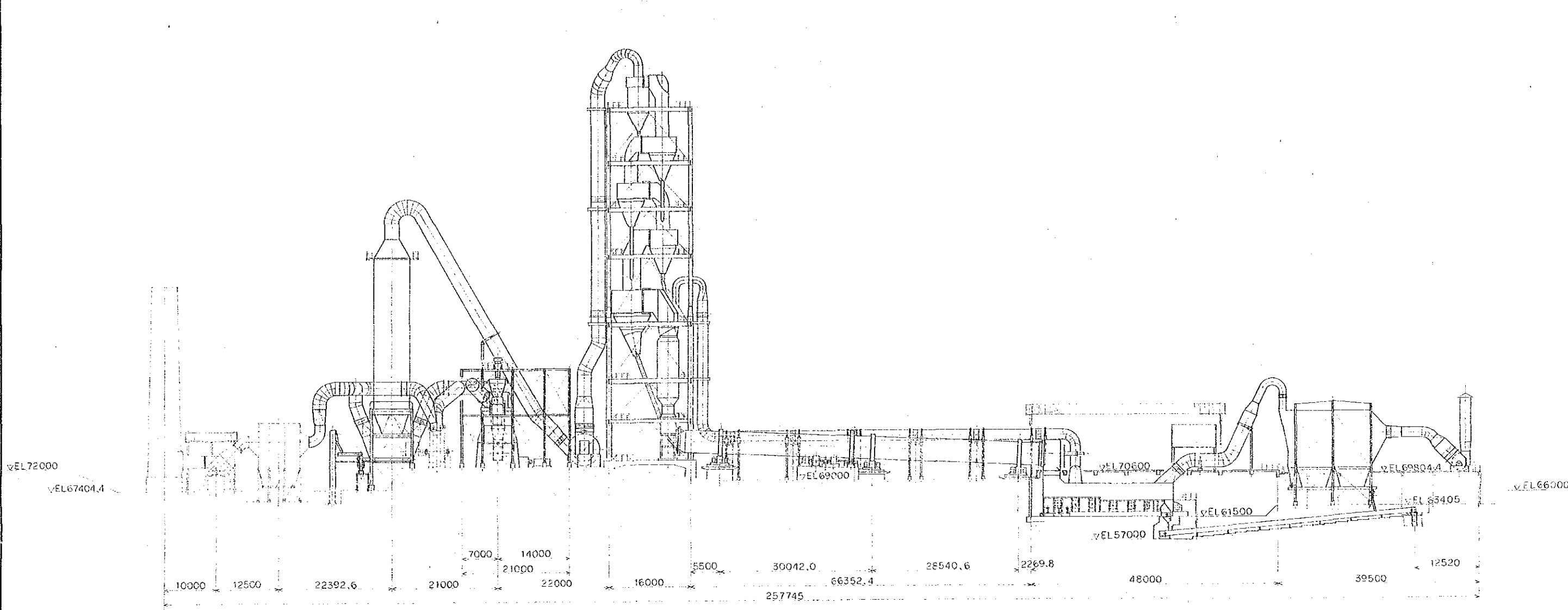




NOTES/REVISION

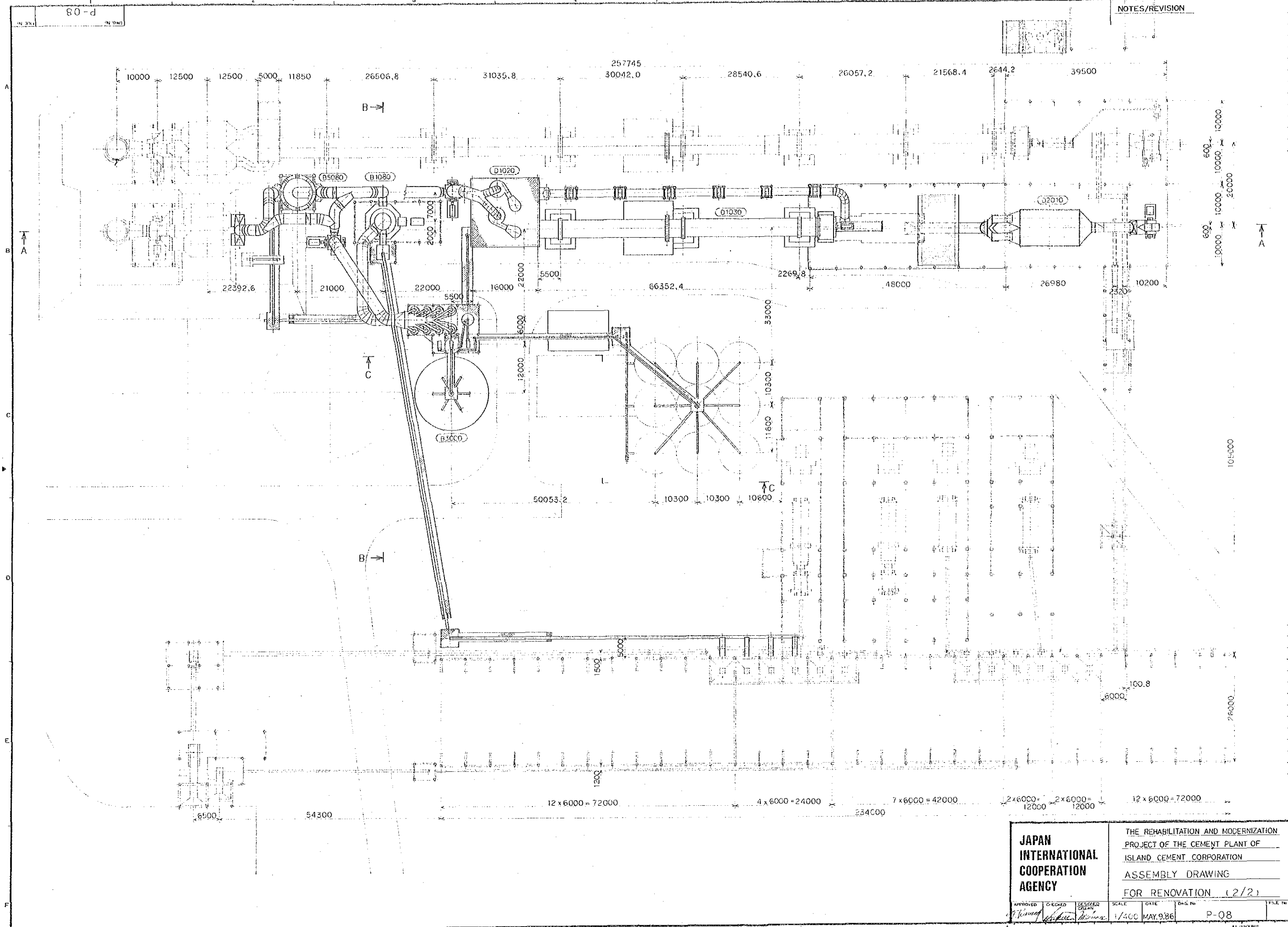
NOTE
 1. REFER TO THE SPECIFICATION OF THE MECHANICAL EQUIPMENT IN CHAPTER X-1-5 AS TO ITEM NUMBERS SHOWN IN THE DRAWING.
 2. (---) MARKS INDICATE EXISTING EQUIPMENT.

JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		PROCESS FLOW SHEET AFTER RENOVATION			
APPROVED	CHECKED	DESIGNED	SCALE	DATE	DWG. NO.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		MAY. 9.86	P-06

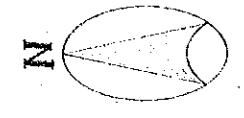


JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		ASSEMBLY DRAWING			
		FOR RENOVATION (1/2)			
APPROVED	CHECKED	DESIGNED	SCALE	DATE	DWG. NO.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	1/400	MAY. 9.36	P-07



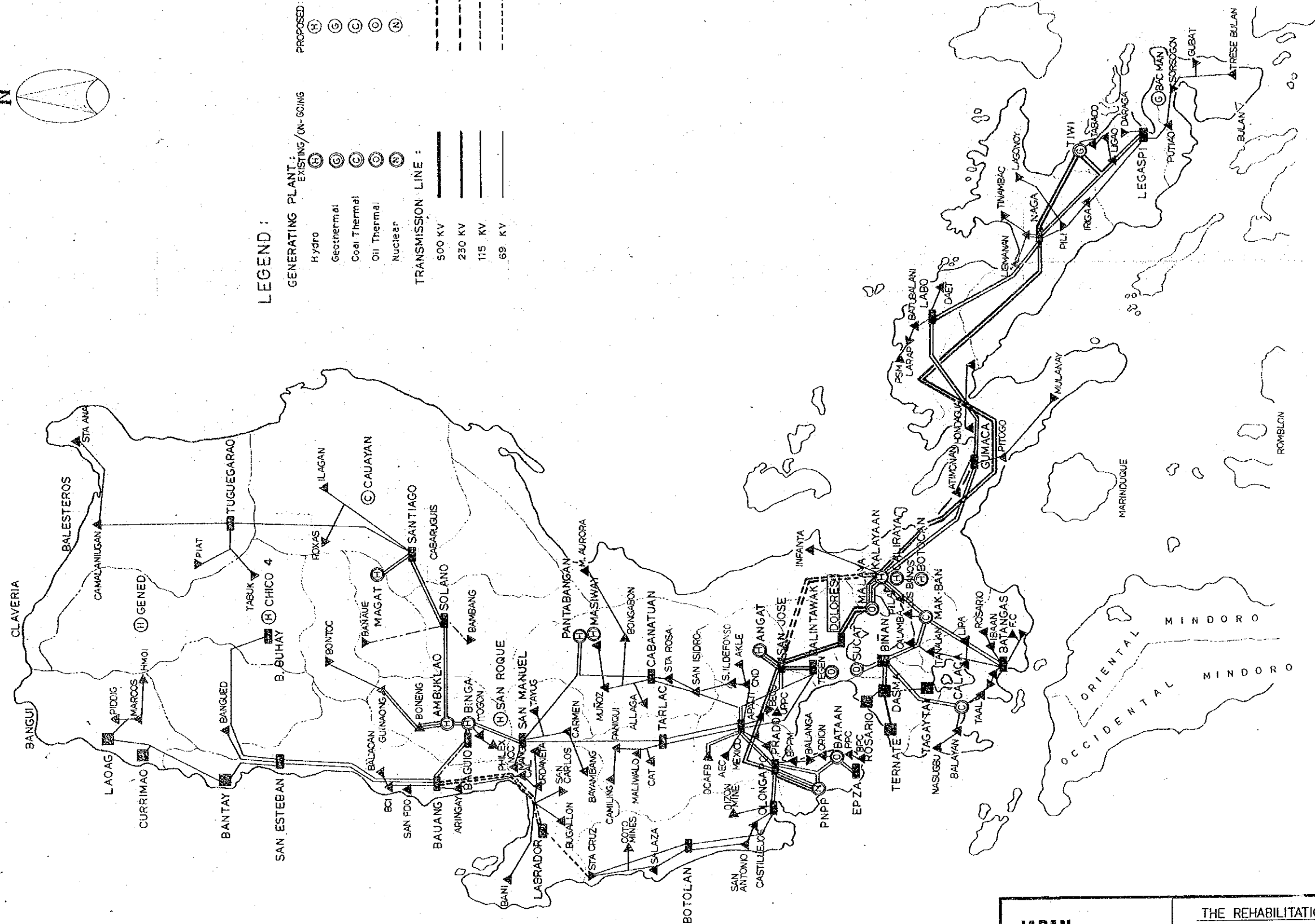


JAPAN INTERNATIONAL COOPERATION AGENCY	THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
	ASSEMBLY DRAWING FOR RENOVATION (2/2)			
	APPROVED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DESIGNED <i>[Signature]</i>	SCALE 1/400
			FILE NO. P-08	AT OKAWAII



LEGEND :

- GENERATING PLANT :
- EXISTING/ON-GOING
 - Hydro (H)
 - Geothermal (G)
 - Coal Thermal (C)
 - Oil Thermal (O)
 - Nuclear (N)
 - PROPOSED
 - (H)
 - (G)
 - (C)
 - (O)
 - (N)
- TRANSMISSION LINE :
- 500 KV (thick solid line)
 - 230 KV (dashed line)
 - 115 KV (thin solid line)
 - 69 KV (dotted line)

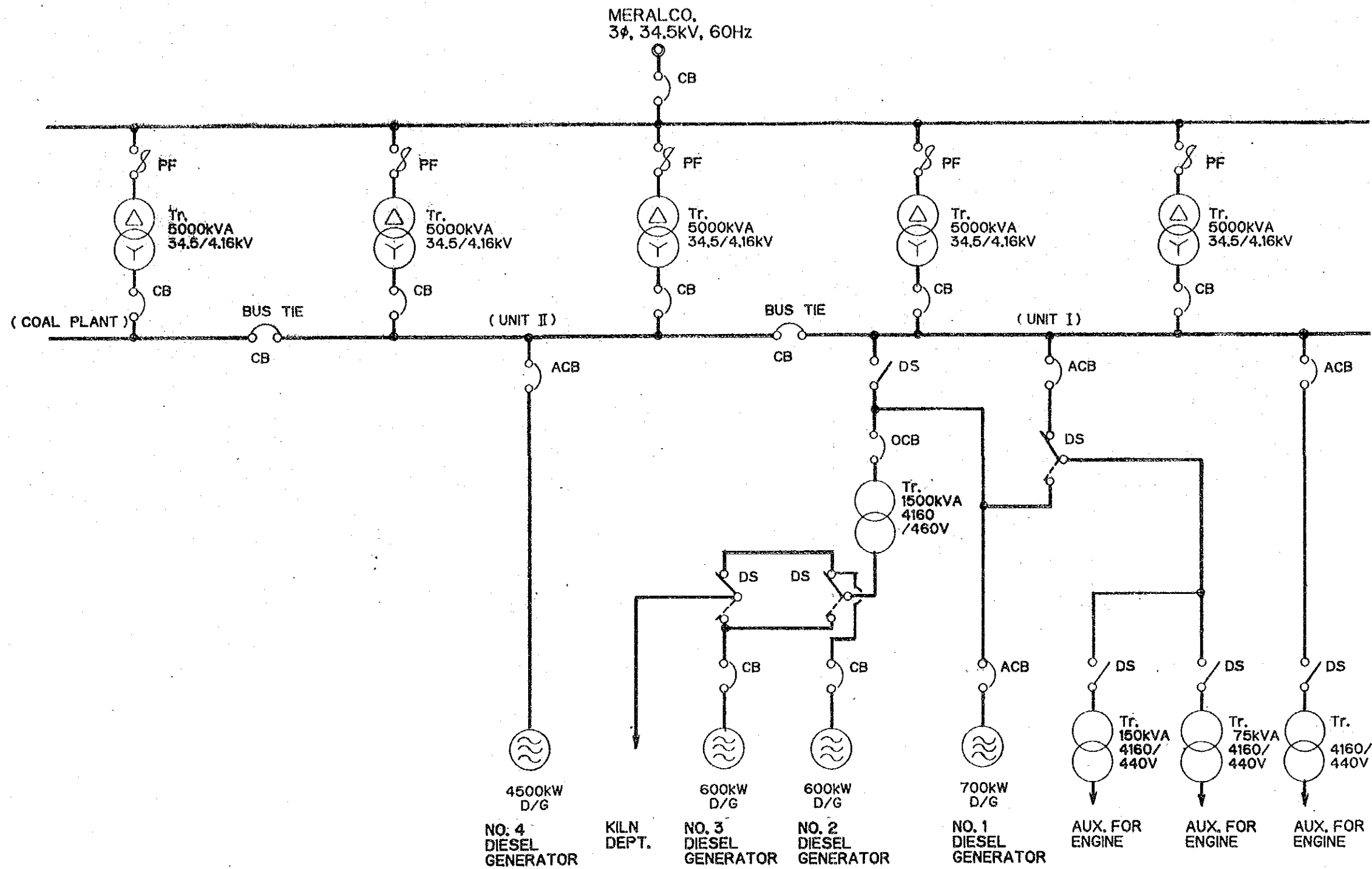


**JAPAN
INTERNATIONAL
COOPERATION
AGENCY**

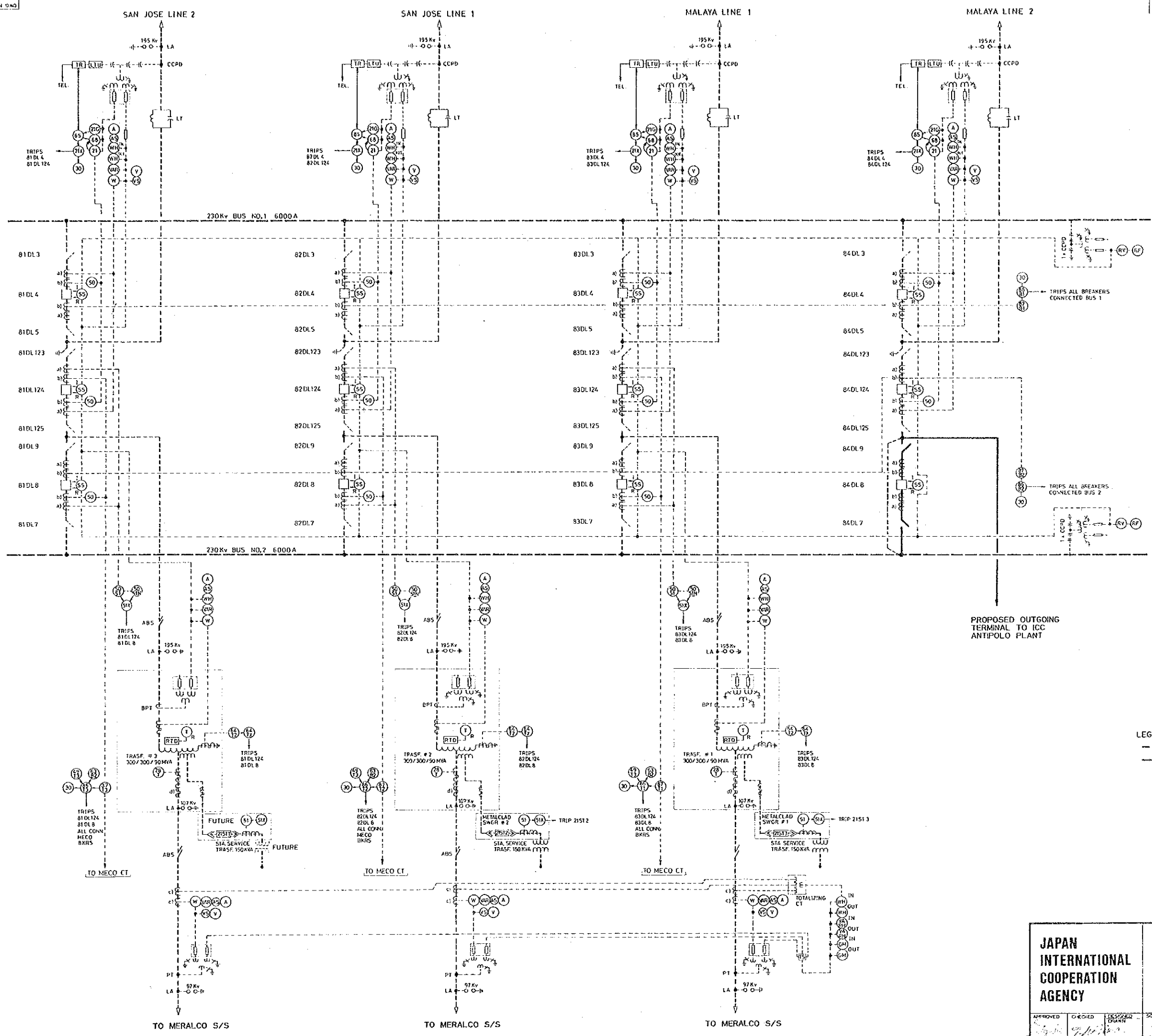
THE REHABILITATION AND MODERNIZATION
PROJECT OF THE CEMENT PLANT OF
ISLAND CEMENT CORPORATION
LUZON GRID MAP
OF POWER SUPPLY

APPROVED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DESIGNED DRAWN <i>[Signature]</i>	SCALE ---	DATE MAR. 1 1986	DWG No. E-01	FILE No.
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JAPAN INTERNATIONAL COOPERATION AGENCY			THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
			SINGLE LINE DIAGRAM OF POWER RECEIVING AND GENERATION AT ANTIPOLO PLANT			
APPROVED	CHECKED	DESIGNED DRAWN	SCALE	DATE	DWG. No.	FILE No.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	—	MAR.12.86	E-02	



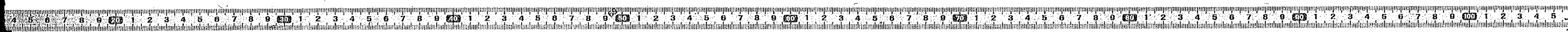
PROPOSED OUTGOING TERMINAL TO ICC ANTIPOLO PLANT

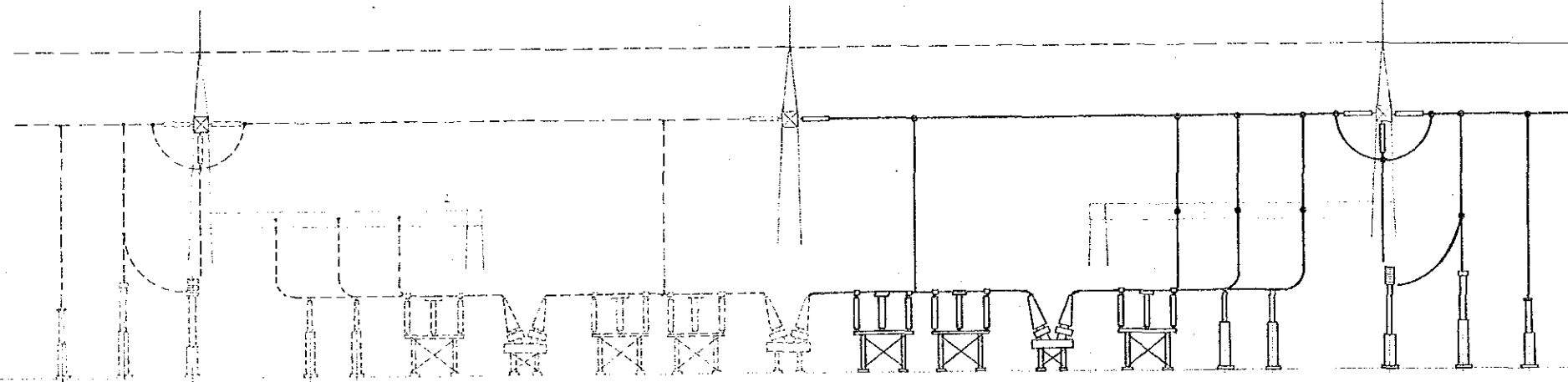
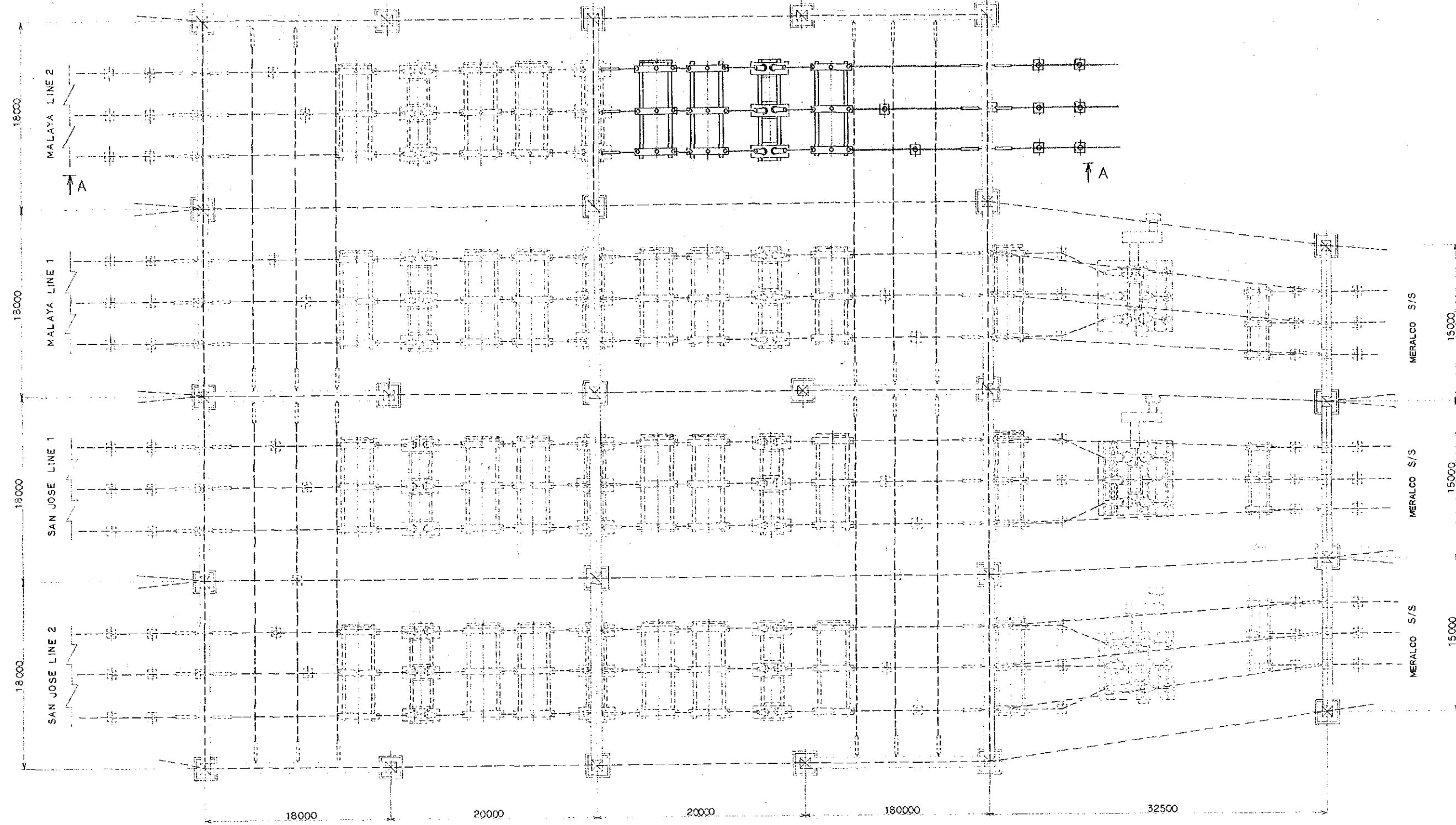
LEGEND :

--- EXISTING LINE

--- PROPOSED LINE

<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>		<p>THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION</p>			
		<p>SINGLE LINE DIAGRAM OF DOLORES SUBSTATION</p>			
APPROVED	DRAWN	DESIGNED	SCALE	DATE	DWG. NO.
				MAR. 1, 1986	E-03

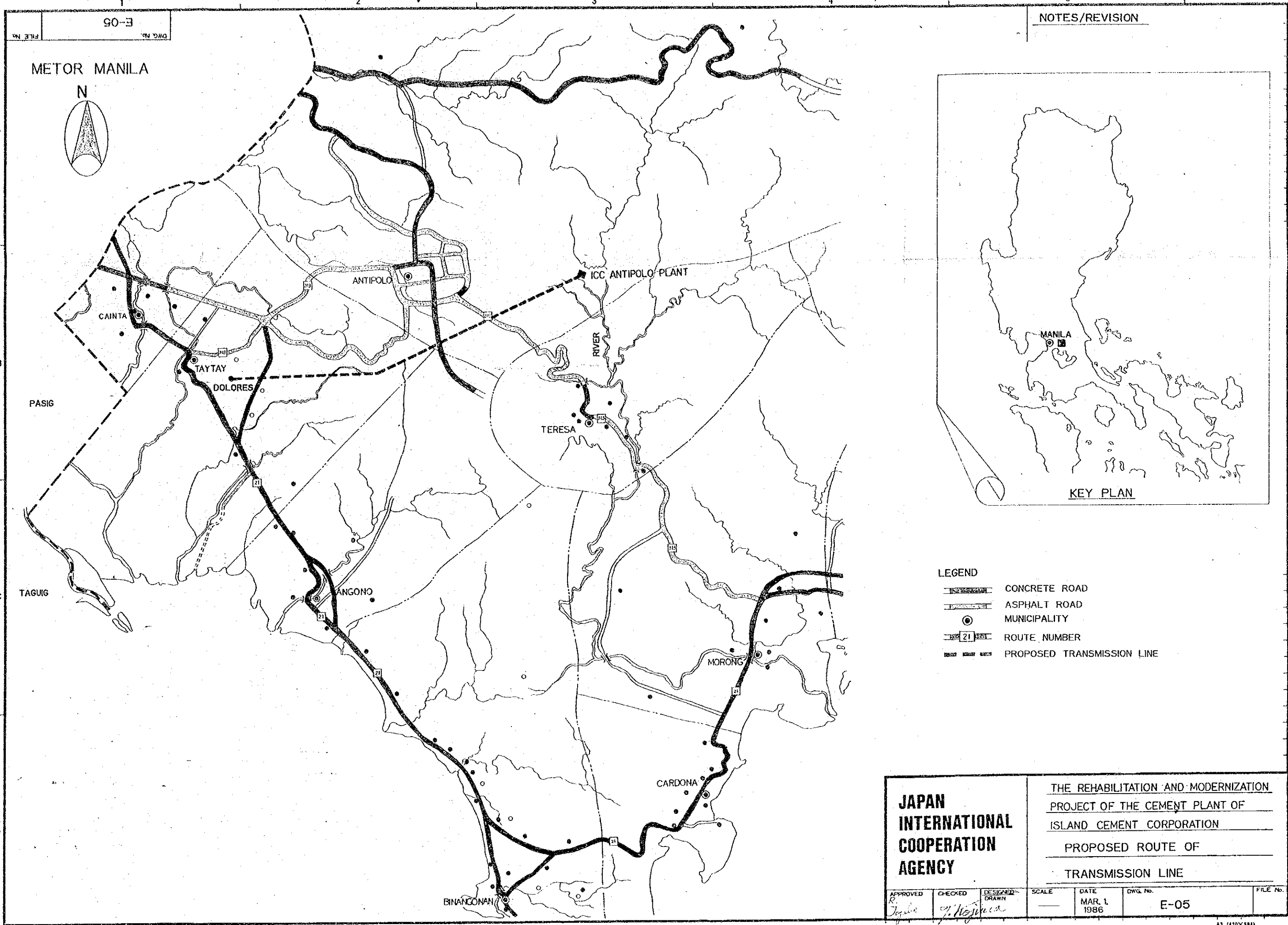




SECTION A - A

JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		ARRANGEMENT OF DOLORES SUBSTATION			
APPROVED	DRAWN	DESIGNED	SCALE	DATE	ENCL. No.
				MAR. 1 1986	E-04

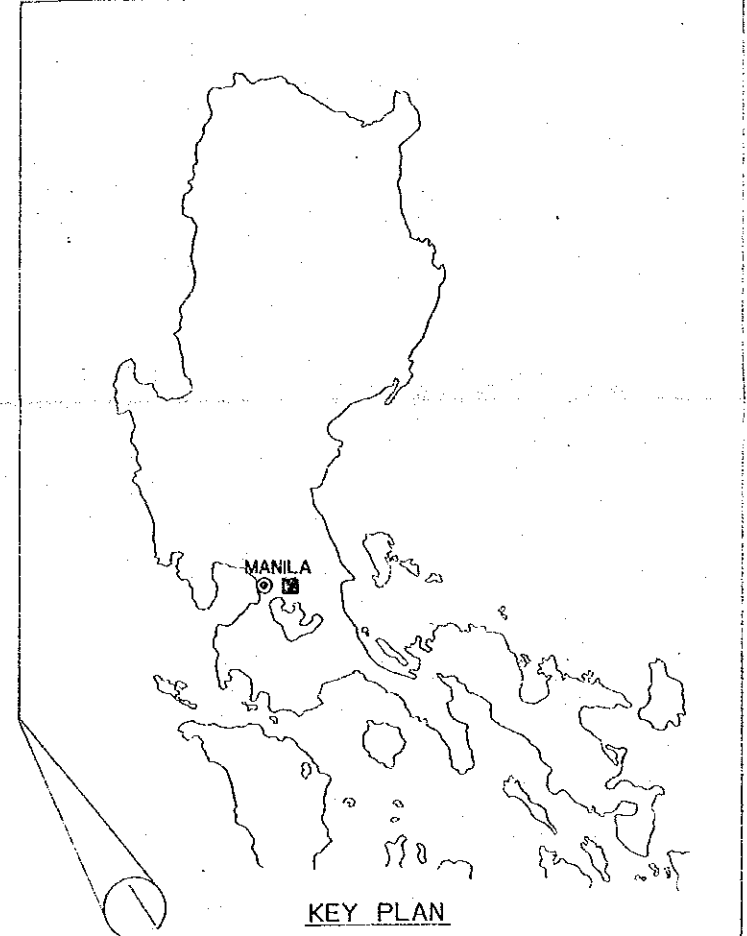
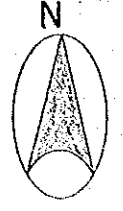




NOTES/REVISION

E-05

METOR MANILA

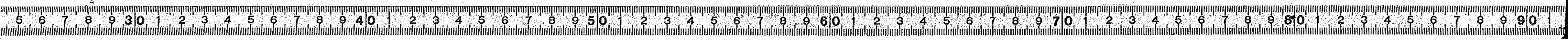


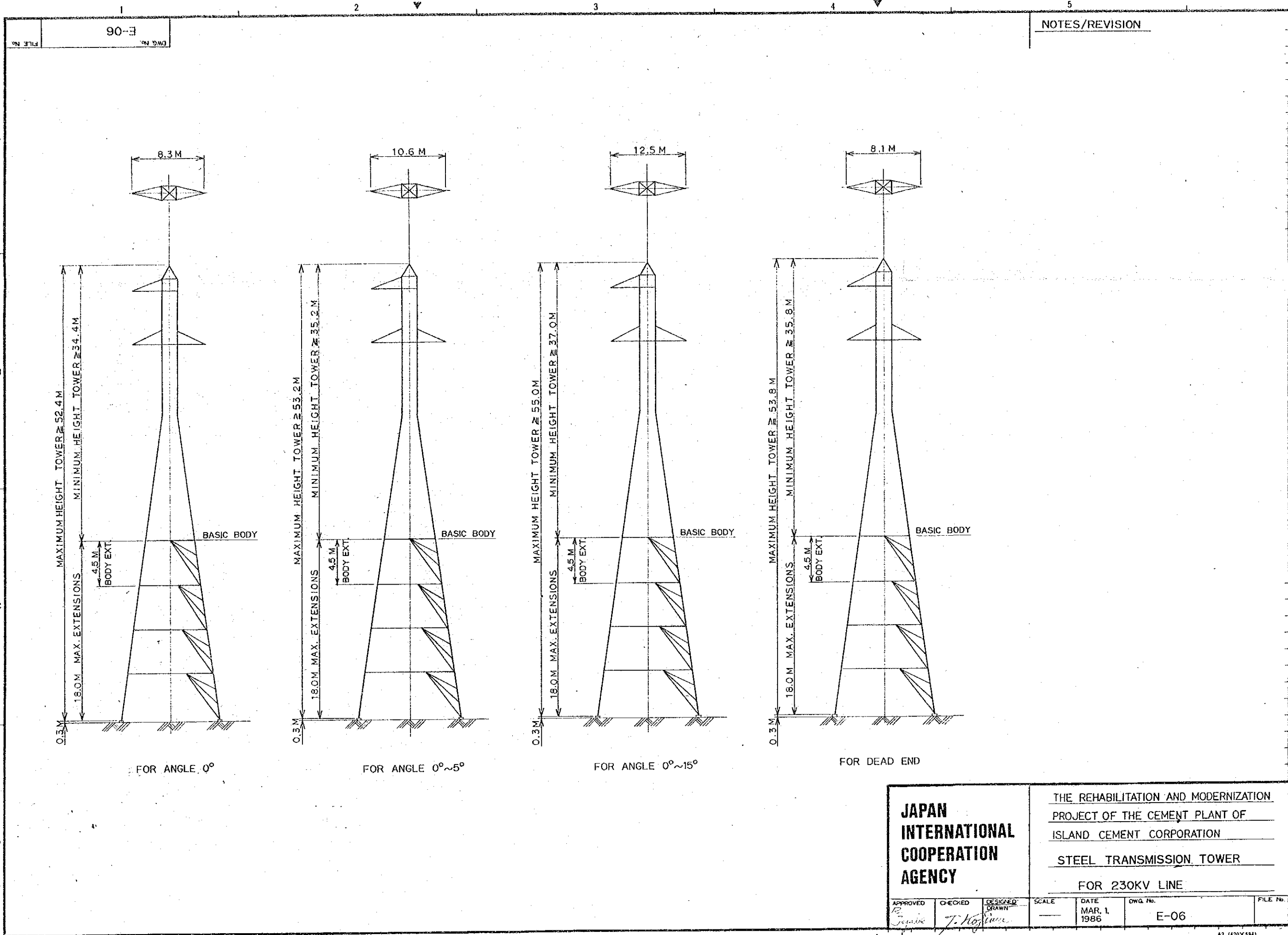
KEY PLAN

LEGEND

- CONCRETE ROAD
- ASPHALT ROAD
- MUNICIPALITY
- ROUTE NUMBER
- PROPOSED TRANSMISSION LINE

<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>		<p>THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION</p>			
		<p>PROPOSED ROUTE OF TRANSMISSION LINE</p>			
<p>APPROVED</p> <p><i>[Signature]</i></p>	<p>CHECKED</p> <p><i>[Signature]</i></p>	<p>DESIGNED-DRAWN</p> <p><i>[Signature]</i></p>	<p>SCALE</p> <p>—</p>	<p>DATE</p> <p>MAR. 1 1986</p>	<p>DWG. No.</p> <p>E-05</p>
			<p>FILE No.</p>		





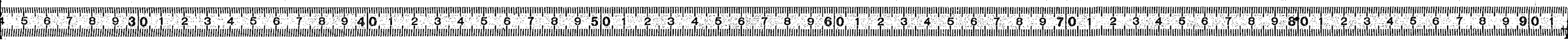
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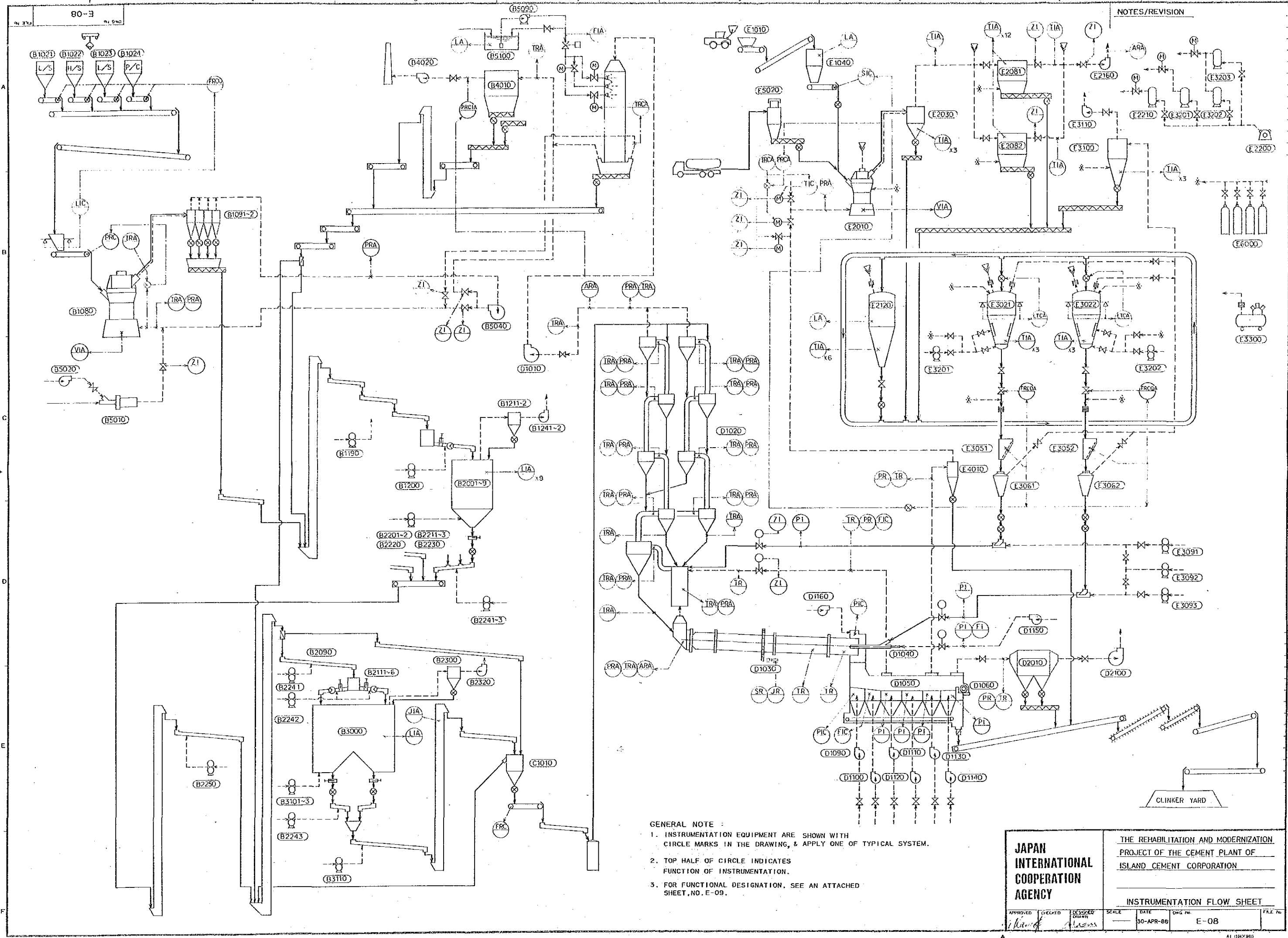
FILE No. DWG. No.

NOTES/REVISION

JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		STEEL TRANSMISSION TOWER FOR 230KV LINE			
APPROVED <i>R. Inoue</i>	CHECKED <i>T. Horiuchi</i>	DESIGNED <i>T. Horiuchi</i>	SCALE 	DATE MAR. 1 1986	DWG. No. E-06
			FILE No.		

A2 (420X594)





NOTES/REVISION

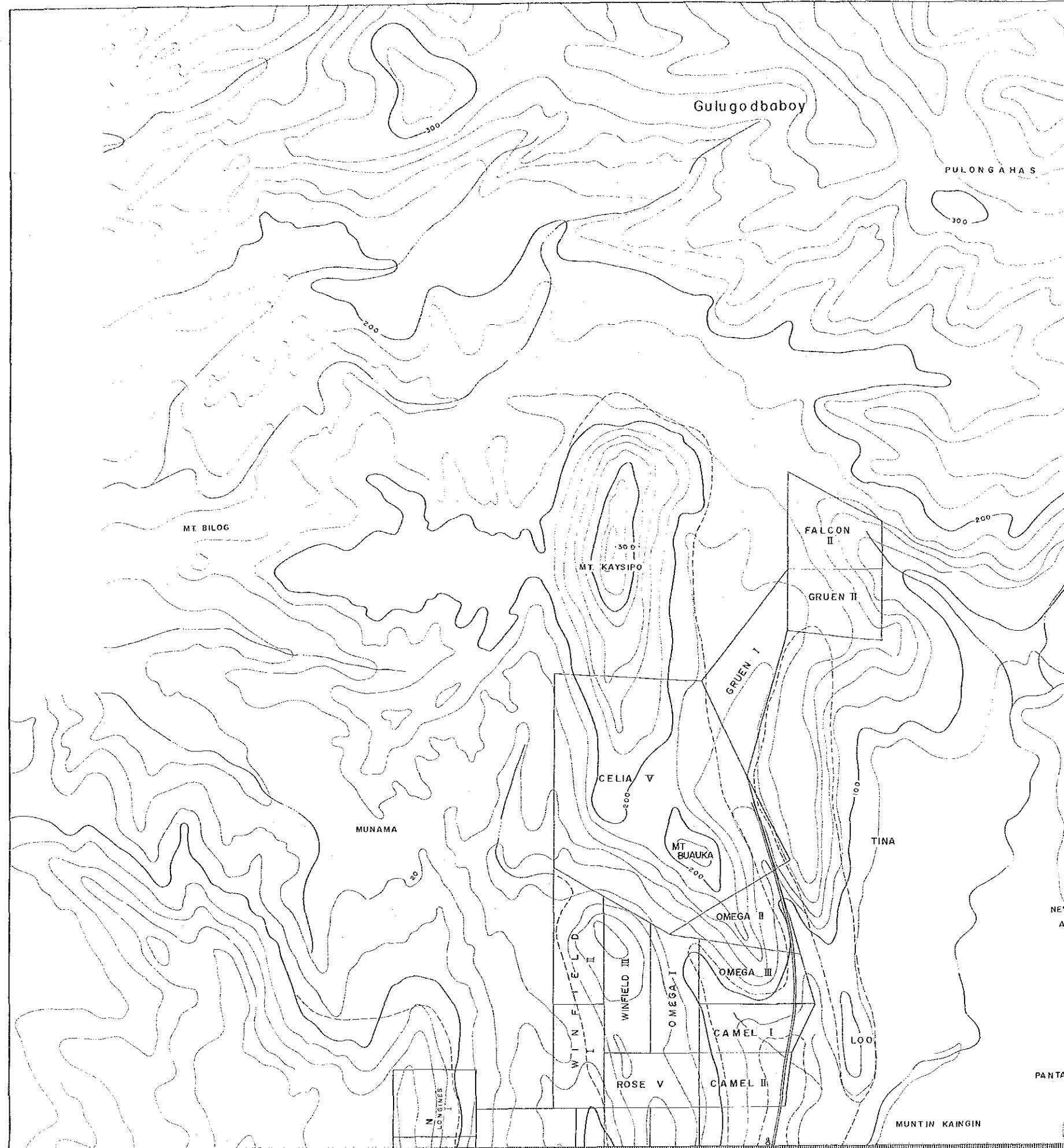
- GENERAL NOTE :
1. INSTRUMENTATION EQUIPMENT ARE SHOWN WITH CIRCLE MARKS IN THE DRAWING, & APPLY ONE OF TYPICAL SYSTEM.
 2. TOP HALF OF CIRCLE INDICATES FUNCTION OF INSTRUMENTATION.
 3. FOR FUNCTIONAL DESIGNATION, SEE AN ATTACHED SHEET, NO. E-09.

JAPAN INTERNATIONAL COOPERATION AGENCY		THE REHABILITATION AND MODERNIZATION PROJECT OF THE CEMENT PLANT OF ISLAND CEMENT CORPORATION			
		INSTRUMENTATION FLOW SHEET			
APPROVED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DESIGNED <i>[Signature]</i>	SCALE 30-APR-86	DATE E-08	FILE No.

MEANINGS OF FUNCTIONAL DESIGNATION

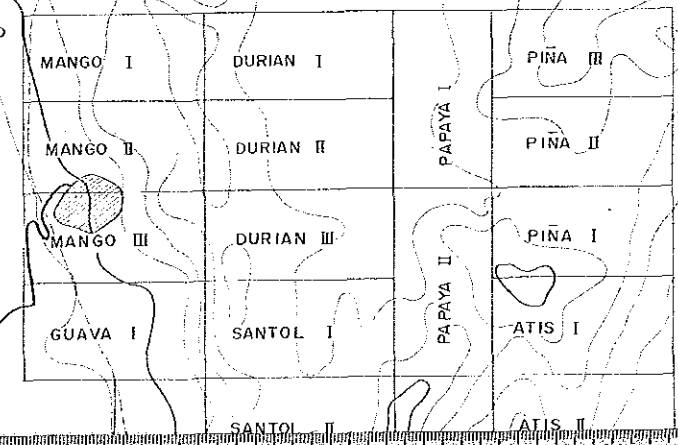
	FIRST LETTER		SUCCEEDING LETTERS
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION
A	Analysis		Alarm
B	Burner Flame		
C	Conductivity		Control
D	Density	Differential	Distributor
E	Voltage		Detection
F	Flow Rate	Ratio	
G	Gaging		Supervision
H	Hand		High
I	Current		Indicator
J	Power	Scan	
K	Time or Time Schedule -		computer control
L	Level		Logging, Low, Lamp
M	Moisture or Humidity		CRT
N	Noise		User's choice
O			Orifice
P	Pressure or Vacuum		Sampling point
Q	Quantity	Integrate or Totalize	Quantity
R	Radioactivity		Record or Print
S	Speed or Frequency	Safety	Switch or Sequence control
T	Temperature		Transmit
U	Multivariable		Multifunction
V	Viscosity or Vibration		Valve or Damper
W	Weight or Force		Well
X	Unclassified		Usar's choice
Y			Relay, Compute, converter
Z	Position		Safty or Emergency, Drive, Actuate

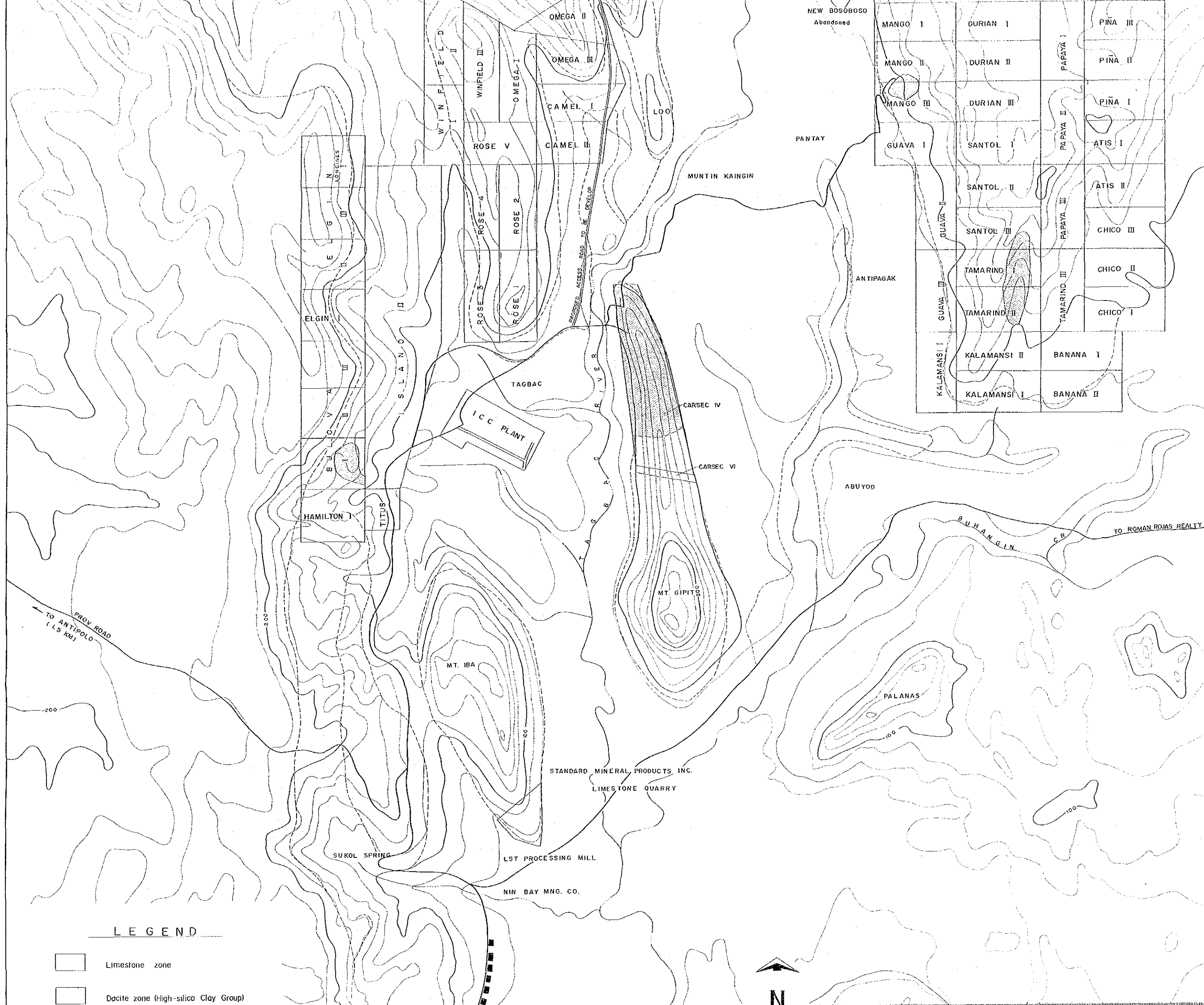
JAPAN INTERNATIONAL COOPERATION AGENCY	DATE: MAY, 1986
	DWG.No.: E-09
	<i>[Signature]</i>





LIST OF MINING CLAIMS				
NAME OF CLAIMS	NO. OF CLAIMS	AREA OF CLAIMS (HECTARES)	PROVEN RESEVS (METRIC TONS)	STATUS OF CLAIMS
LIMESTONE				
Corsec IV	1	Present Quarry	5,335,000	Issued with Leased Contract
Corsec VI	1	1.8	3,200,000	-do-
Celia V	1	63	23,000,000	-do-
Winfield	2	16		Under Lease Application
Omega	3	24	23,700,000	-do-
Comel	1	8		-do-
Gruen I and II	2	16	Not yet evaluated	-do-
Falcon	1	8	-do-	-do-
TOTAL			56,035,000	
HIGH SILICA CLAY (DACITE)				
Mango	2	Present Quarry	4,340,000	Issued with Leased Contract
Santol	3	24	3,300,000	Under Lease Application
Durian	3	24	Not yet evaluated	-do-
Pina	3	24	-do-	-do-
Atis	2	16	-do-	-do-
Chico	2	16	-do-	-do-
Joaquin	3	24	-do-	-do-
Constantins	3	24	-do-	-do-
TOTAL			7,640,000	
LOW SILICA CLAY (DIORITE)				
Bulova I	1	Present Quarry	1,100,000	Issued with Leased Contract
Bulova II and III	2	16	Not yet evaluated	-do-
Island II	1	64	-do-	-do-
TOTAL			1,100,000	

(Note) All the quantities of proven reserves according to ICC's inventory at the beginning of January, 1986.

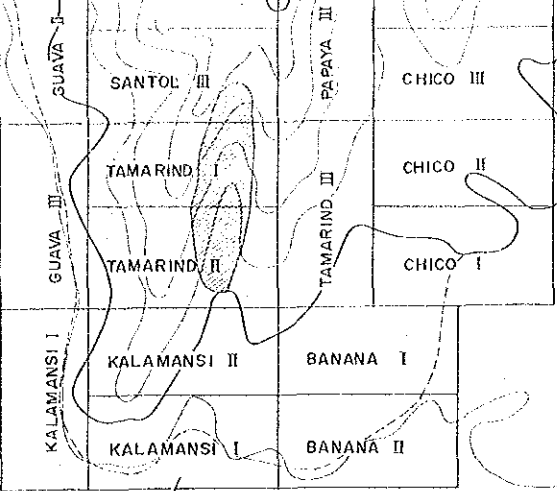
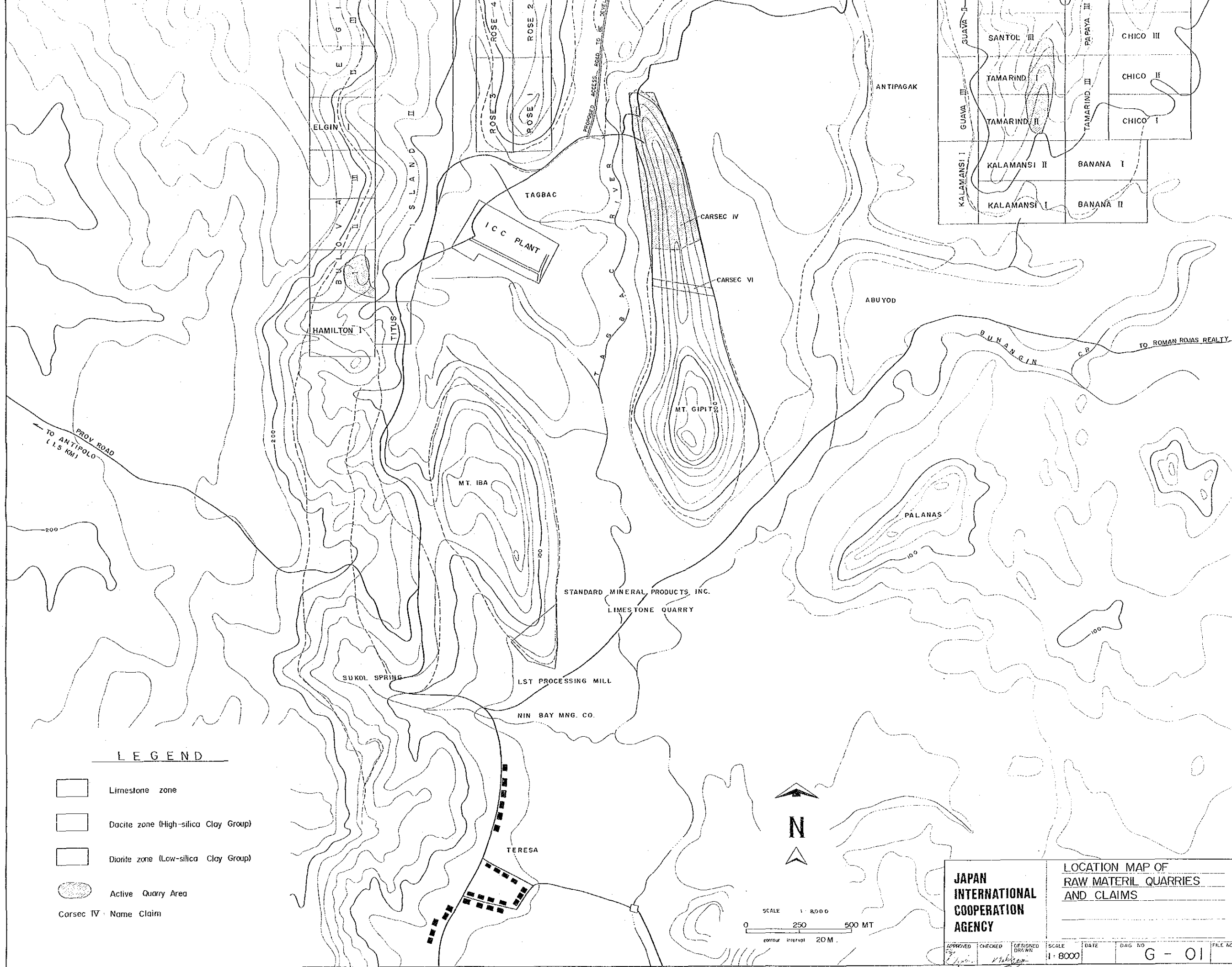








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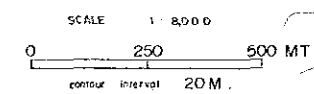
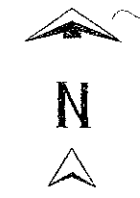
-  Limestone zone
-  Dacite zone (High-silica Clay Group)





LEGEND

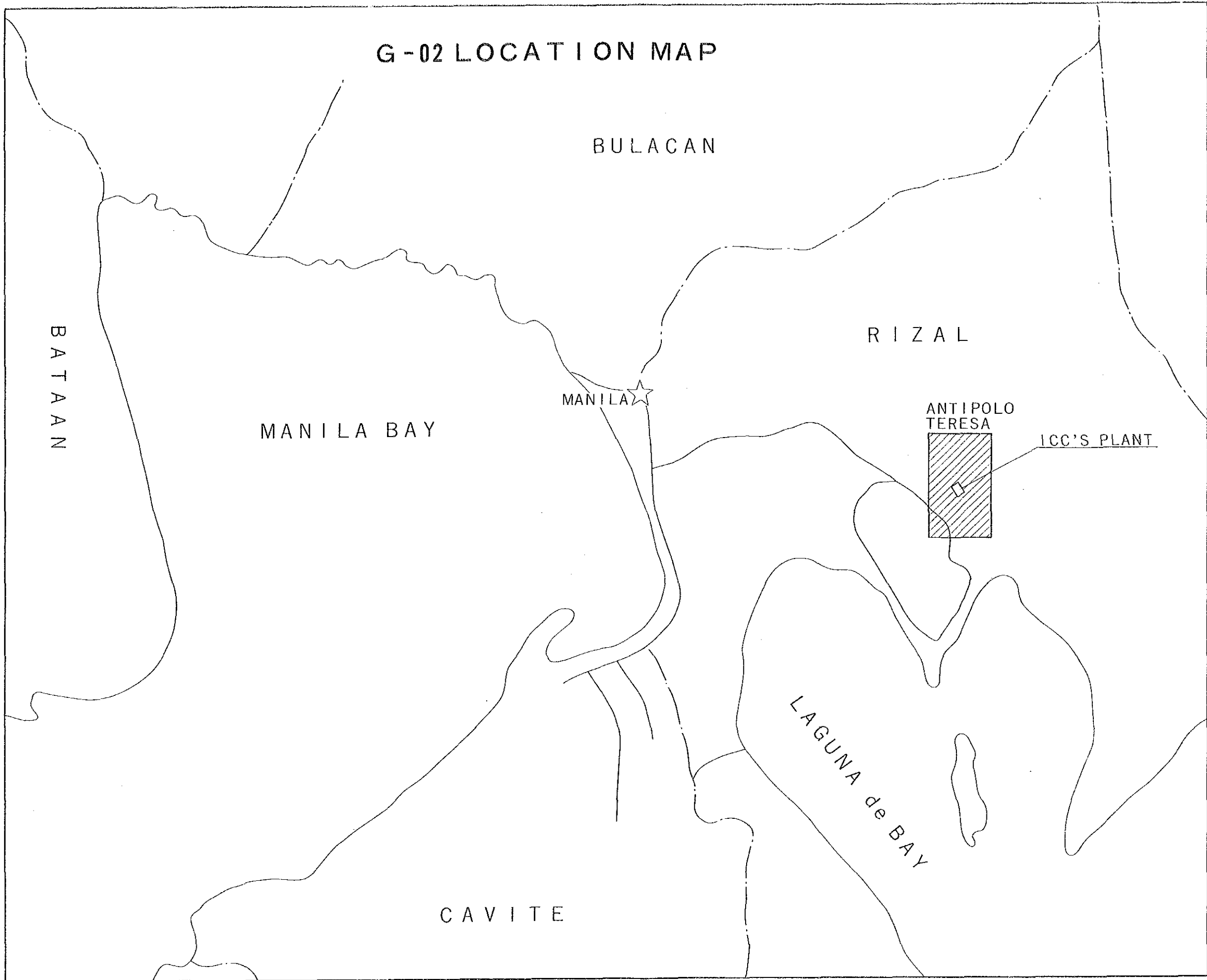
-  Limestone zone
-  Dacite zone (High-silica Clay Group)
-  Diorite zone (Low-silica Clay Group)
-  Active Quarry Area
- Corsec IV Name Claim



JAPAN INTERNATIONAL COOPERATION AGENCY				LOCATION MAP OF RAW MATERIAL QUARRIES AND CLAIMS			
				APPROVED	CHECKED	DRAWN	SCALE
				1:8000		G-01	



G-02 LOCATION MAP



BULACAN

RIZAL

BATAAN

MANILA BAY

MANILA

ANTIPOLO
TERESA

ICC'S PLANT

LAGUNA de BAY

CAVITE

JICA