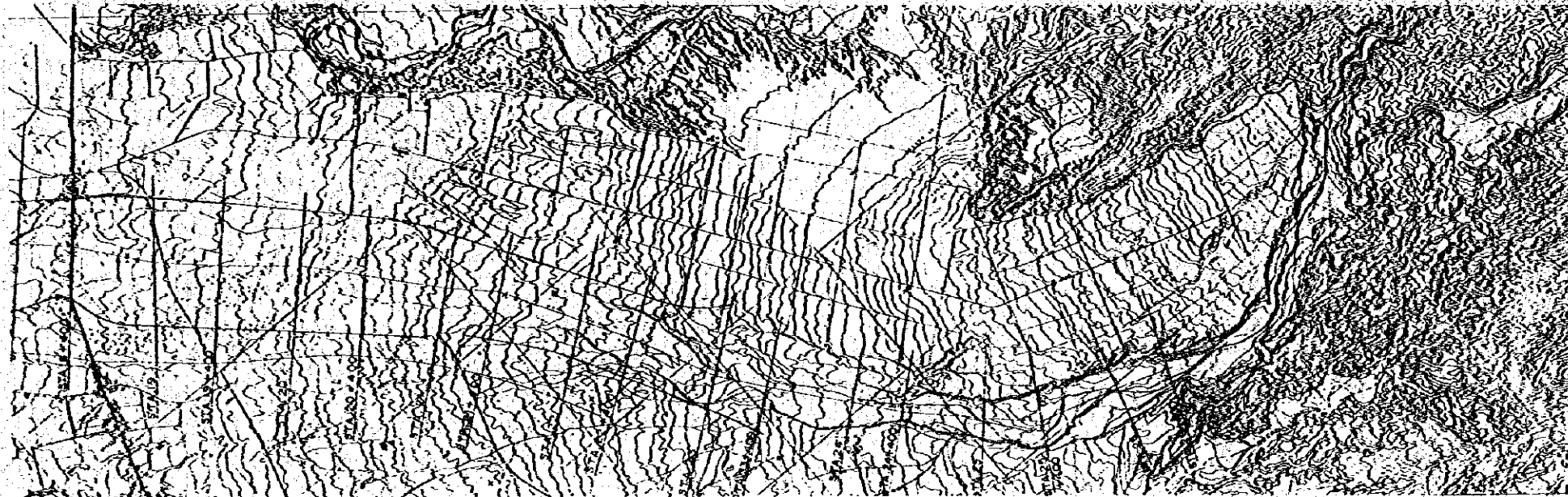


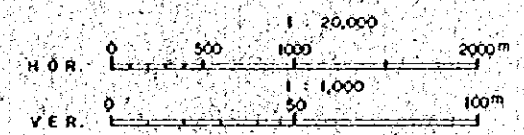
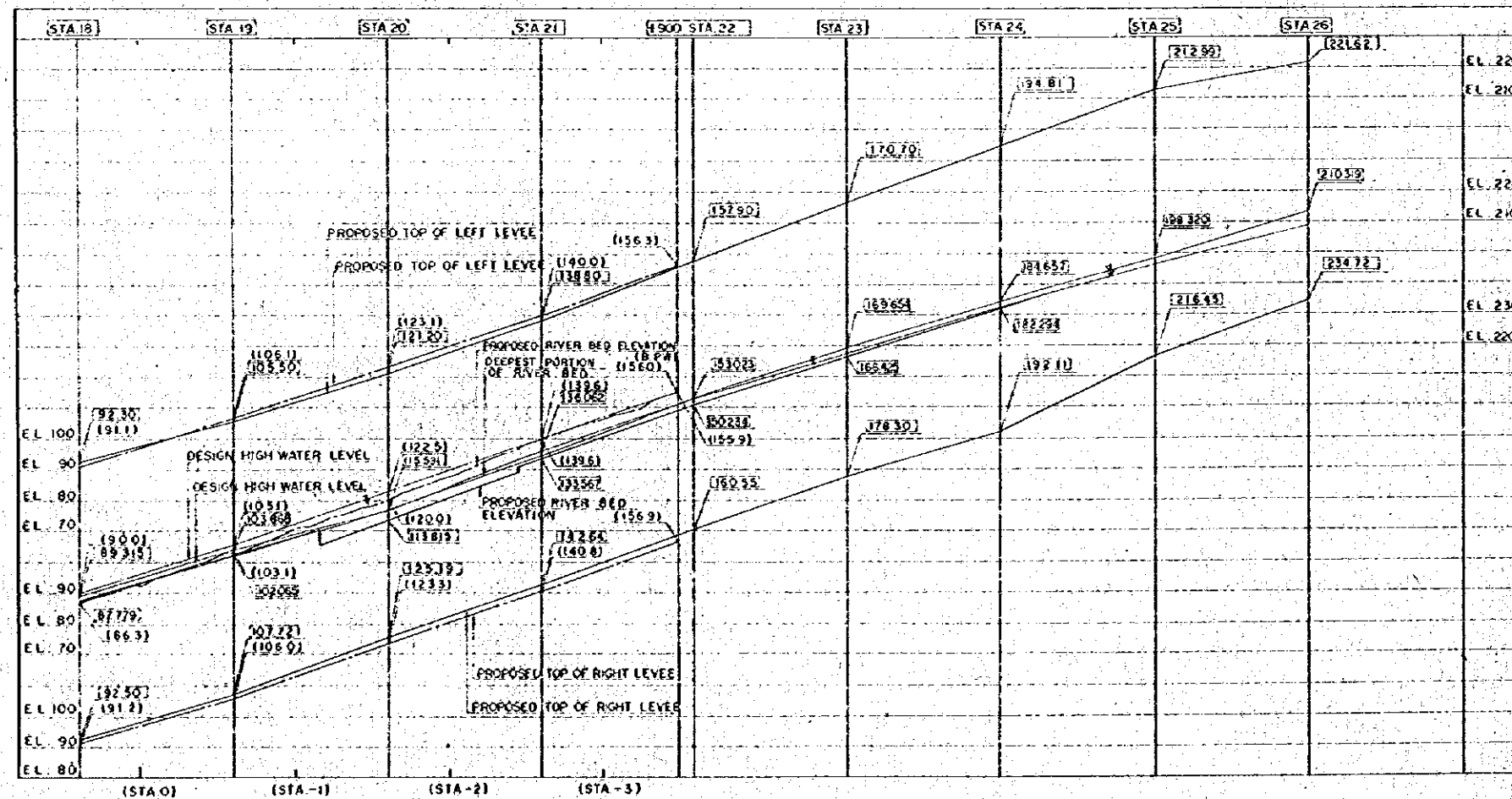
FIGURE IV-7 COMPARISON OF B.P.W.'s & PROPOSED SCHEMES ON THE RIVER PLAN AND PROFILE (2-2)

PLAN



PROFILE

NOTE
 - - - - (B . P . W) (E L)
 ———— [PROPOSED] (E L)



DPWTC
 TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES

PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES

CHECKED BY: [Signature] DESIGNED BY: [Signature] DRAWING NO: PPF 132	TITLE OF DRAWING: COMPARISON OF B.P.W.'s & PROPOSED SCHEMES ON THE RIVER PLAN AND PROFILE (2-2)
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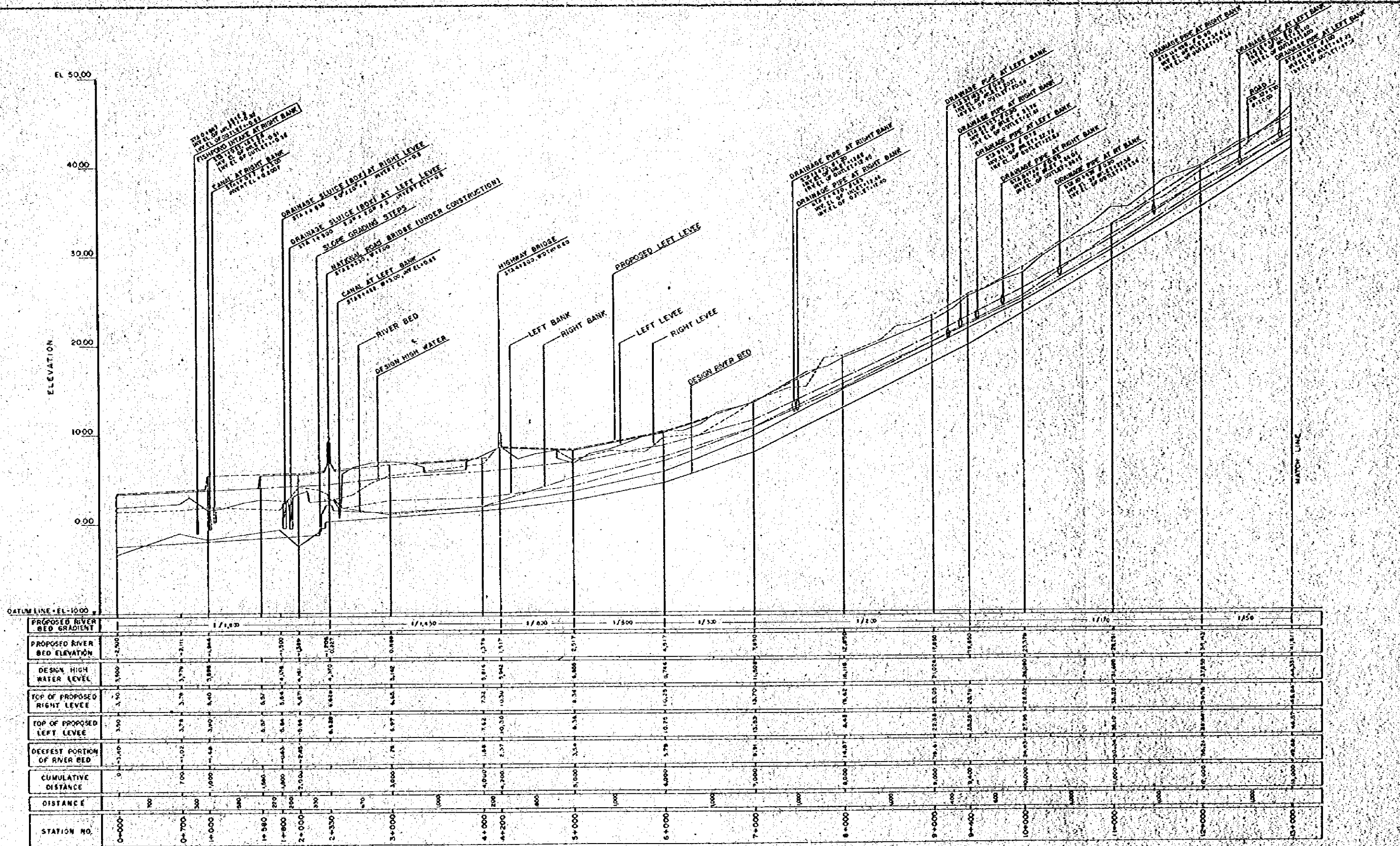


FIGURE IV-8 PROFILES

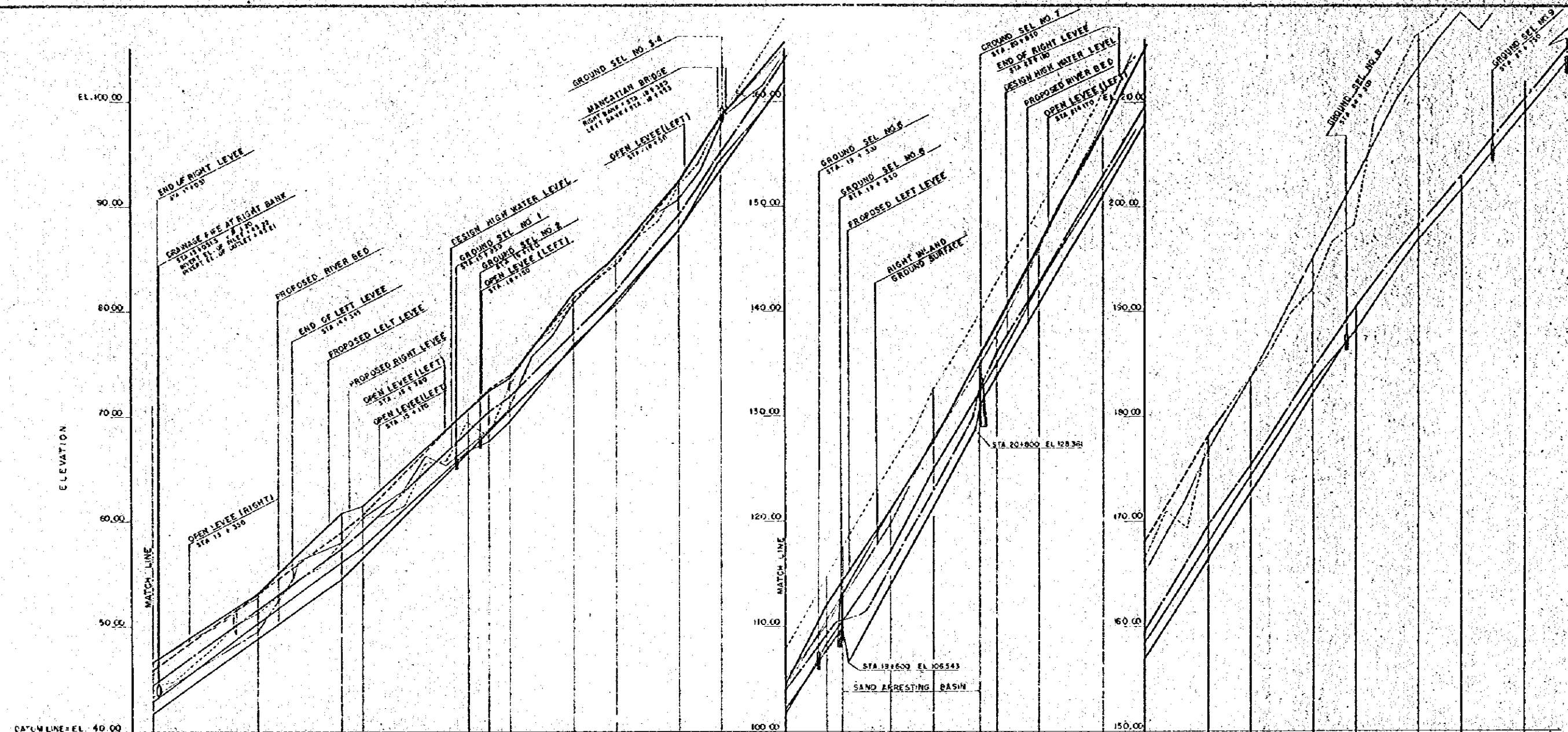
SCALE HORIZONTAL 1 : 20000
VERTICAL 1 : 200

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TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES
PASIGPOTRERO RIVER FLOOD CONTROL
AND SABO PROJECT PHILIPPINES

DATE: SEP 30 1979
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE: 1:200
SHEET NO: 108

TITLE OF DRAWING
PROFILE 2 - 1

JAPAN INTERNATIONAL COOPERATION AGENCY



PROPOSED RIVER BED GRADIENT	1/40		1/40		1/30		1/70		1/55		1/45	
PROPOSED RIVER BED ELEVATION	41.81	44.97	48.13	51.29	54.45	57.61	60.77	63.93	67.09	70.25	73.41	76.57
DESIGN HIGH WATER LEVEL	53.15	56.31	59.47	62.63	65.79	68.95	72.11	75.27	78.43	81.59	84.75	87.91
TOP OF PROPOSED RIGHT LEVEE	45.84	49.00	52.16	55.32	58.48	61.64	64.80	67.96	71.12	74.28	77.44	80.60
TOP OF PROPOSED LEFT LEVEE	46.97	50.13	53.29	56.45	59.61	62.77	65.93	69.09	72.25	75.41	78.57	81.73
DEEPEST PORTION OF RIVER BED	42.74	45.90	49.06	52.22	55.38	58.54	61.70	64.86	68.02	71.18	74.34	77.50
CUMULATIVE DISTANCE	0.00	200	400	600	800	1000	1200	1400	1600	1800	2000	2200
DISTANCE	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200
STATION NO.	13+000	14+000	15+000	16+000	17+000	18+000	19+000	20+000	21+000	22+000	23+000	24+000

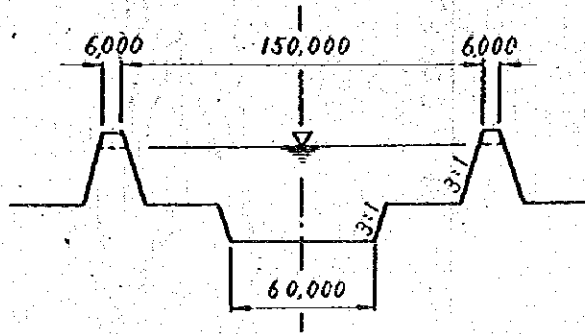
FIGURE IV - 9 PROFILES

SCALE HORIZONTAL 1 : 20000
VERTICAL 1 : 200

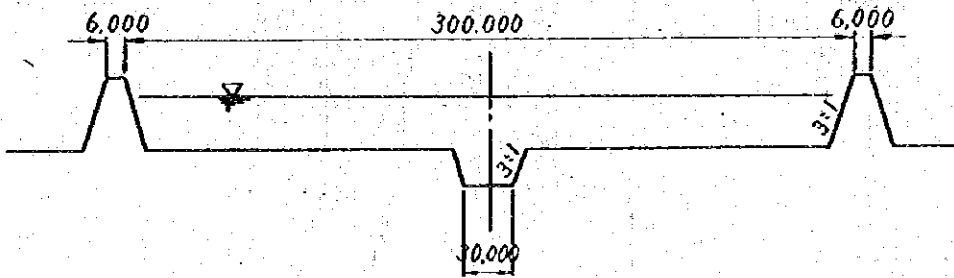
DPWTC
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES
DESIGNED BY: [Signature]
SEP 30 1978
PPFS 109
PROFILE 2 - 2
JAPAN INTERNATIONAL COOPERATION AGENCY

FIGURE IV-10 PASIG - PTRERO RIVER STANDARD SECTION

(STA. 0 ~ STA. 4+300)



(STA. 7 ~ STA. 16)



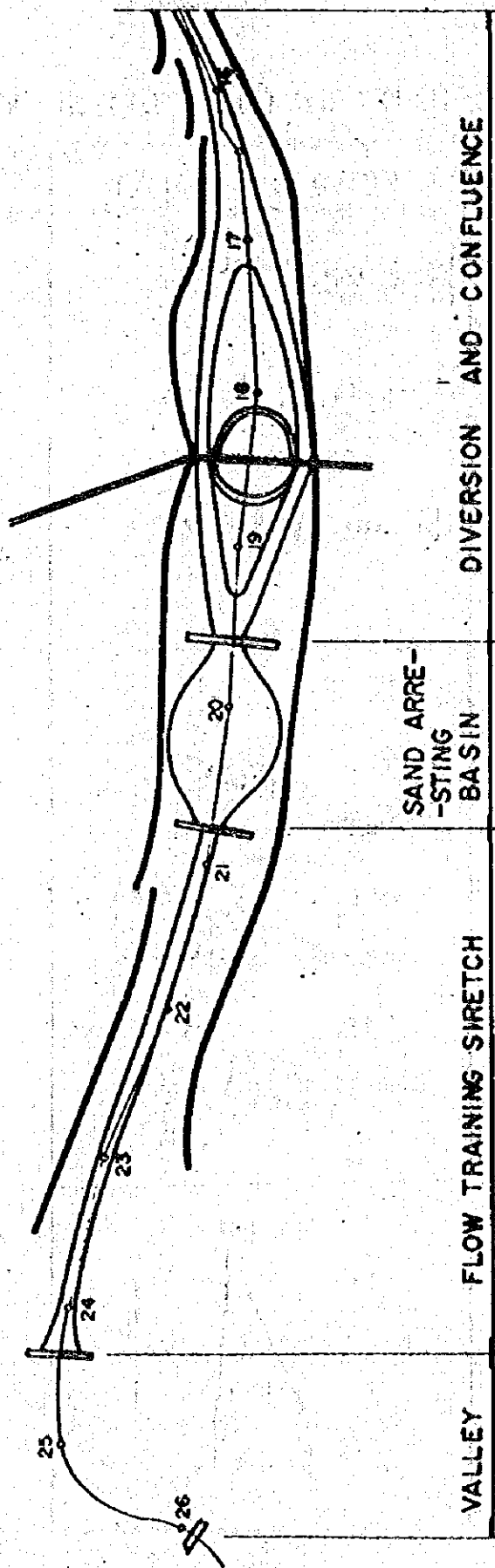

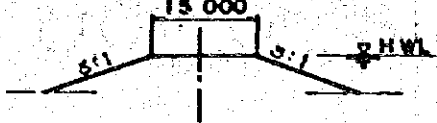
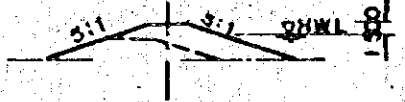
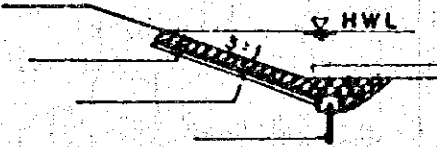
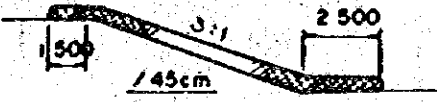
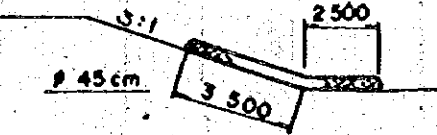
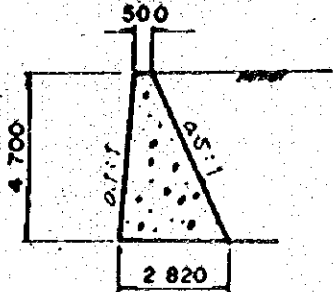


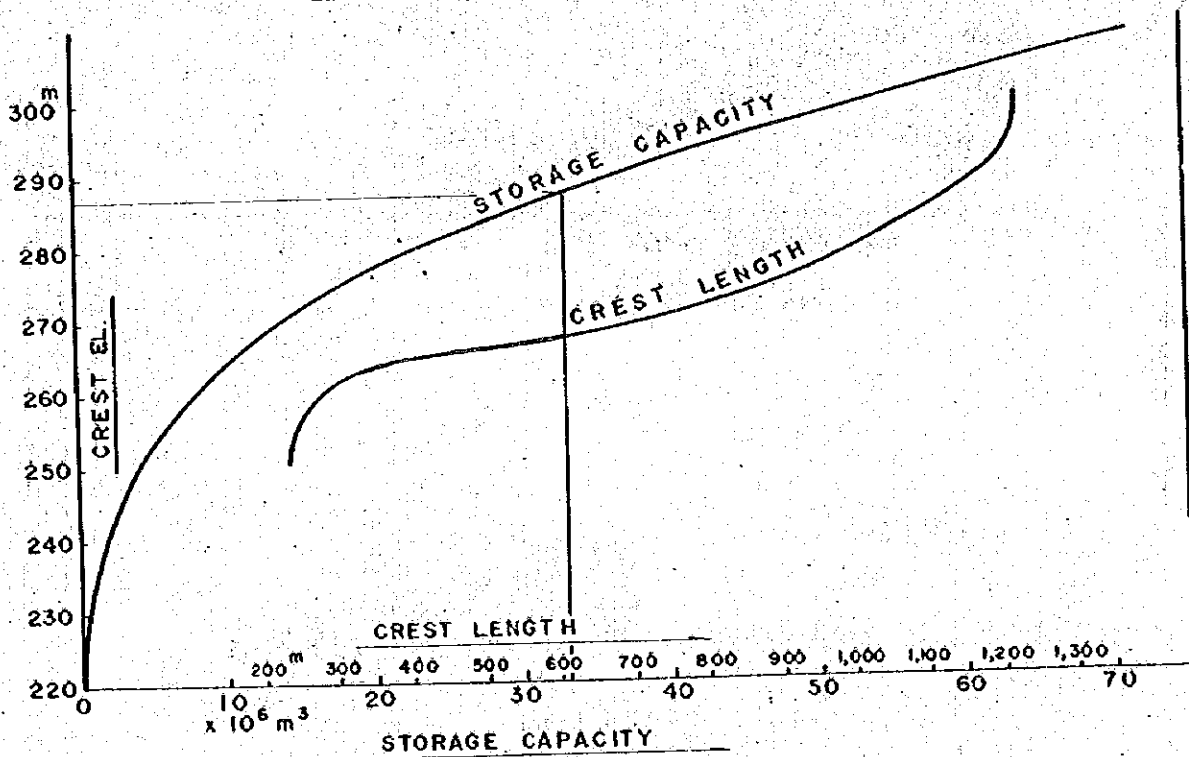
FIGURE IV - II FACILITY PLAN SHOWING DIVIDED AREAS

FIGURE IV -12 PROPOSED RIPARIAN STRUCTURE

WORKS	TYPICAL SECTION	LOCATION	REFERENCE
<p>LEVEE TYPE 1</p>		<p>LEFT STA 1+300 - STA 2+500 STA 14+500 - STA 23+00 RIGHT STA 1+0 - STA 2+500 STA 13+300 - STA 14+400 STA 22+100 - STA 23+000</p>	<p>NEW EMBANKMENT</p>
<p>TYPE 2</p>		<p>LEFT STA 0+80 - STA 1+340 RIGHT STA 0+90 - STA 1+0</p>	<p>PROVISIONAL LEVEE</p>
<p>TYPE 3</p>		<p>LEFT STA 2+500 - STA 6+550 RIGHT STA 2+500 - STA 7+700 STA 10+750 - STA 18+0</p>	<p>WIDENING</p>
<p>REVTMENT TYPE 1</p>		<p>LEFT STA 0+50 - STA 4+300 STA 15+80 - STA 18+850 STA 17+50 - STA 18+550 RIGHT STA 0+50 - STA 4+200 STA 13+50 - STA 14+0 STA 17+150 - STA 18+300 STA 22+100 - STA 23+20</p>	<p>HIGH WATER REVTMENT</p>
<p>TYPE 2</p>		<p>STA 2+330 STA 4+200</p>	<p>LOW WATER REVTMENT</p>
<p>TYPE 3</p>		<p>LEFT STA 7+0 - STA 8+250 RIGHT STA 8+0 - STA 8+280 STA 13+350 - STA 14+0</p>	<p>LAND SIDE REVTMENT</p>
<p>RETAINING WALL</p>		<p>STA 18+300 - STA 18+400</p>	

WORKS	TYPICAL SECTION	LOCATION	REFERENCE
<p>GROYNE</p> <p>TYPE 1</p> <p>TYPE 2</p>	<p># 150 l=2 500</p> <p># 150 l=4 500</p> <p># 450 l=2 500</p> <p># 450 l=3 000</p> <p># 100 l=4 500</p> <p>2 000 2 000</p> <p>GABION MAT 0.5 m x 1.5 m x 3.0 m</p> <p>l=2 500</p>	<p>VALLEY</p> <p>SAND ARRESTING STRETCH</p> <p>CURVING PORTION</p>	<p>THE PORTION WHERE SAND GR- AIN SIZE IS LARGE</p> <p>THE PORTION WHERE AND GRAIN SIZE IS SMALL</p>
<p>GROUND SEL</p> <p>TYPE 1</p> <p>TYPE 2</p>	<p>5 000 3 000</p> <p>500 1 000 2 000</p> <p>500</p> <p>1 000 m</p> <p>2 000</p> <p>2 000 2 000 2 000 2 000</p> <p>2 800</p> <p>1:0.1 1:0.1</p>	<p>STA. 26+400</p> <p>STA. 25+700</p> <p>STA. 19+300</p> <p>STA. 18+3.00 x 2</p> <p>STA. 16+150</p> <p>STA. 15+900</p> <p>STA. 19+350</p> <p>STA. 20+850</p>	<p>$B = 7.0^m \text{ @ } 100^m$</p> <p>$H = 2.5^m$</p>

FIGURE IV -13 STORAGE CAPACITY & DAM CREST LENGTH



DAM VOLUME CURVE

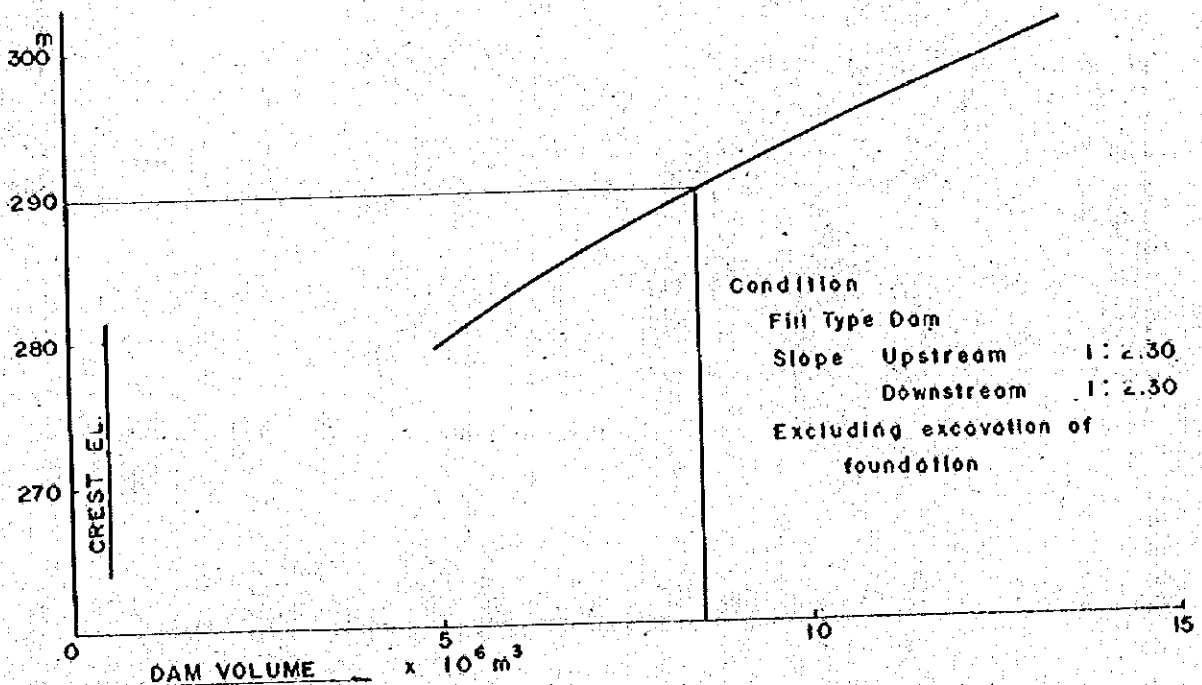


FIGURE V-1 IMPLEMENTATION SCHEDULE

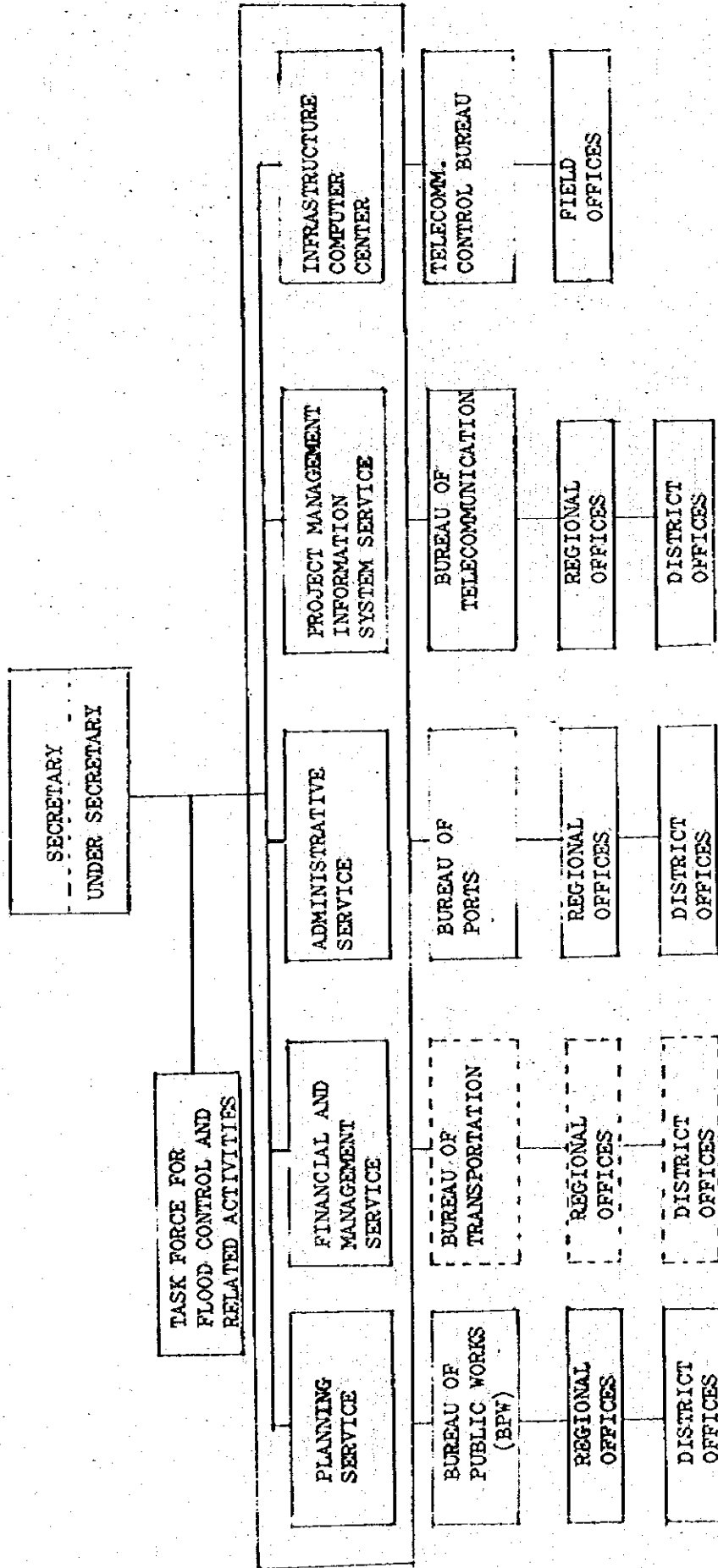
WORK	QUANTITY in m ³	1st. Year			2nd. Year			3rd. Year			4th. Year			5th. Year			6th. Year			7th. Year			8th. Year			9th. Year			10th. Year			11th
		3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3	6	9	3
Sabo Works																																
No.5 Dam	6,870			P.W.			E & C.W.			E & C.W.																						
No.4 - A Dam	6,920						P.W.			E & C.W.																						
No.3 Dam	7,110									P.W.			E & C.W.																			
No.1 - D Con.W	22,890									P.W.			E & C.W.			E & C.W.																
No.1 - C Con.W	11,950															P.W.			E & C.W.													
No.1 - B Con.W	13,220																		P.W.			E & C.W.										
No.1 - A Con.W	16,390																					P.W.			E & C.W.							
No.2 - B Dam	10,870																		P.W.			E & C.W.			E & C.W.							
No.2 - A Dam	11,300																					P.W.			E & C.W.			E & C.W.				
No.4 - B Dam	7,280																											P.W.		E &		
No.4 - C Dam	5,830																													P.W.		
No.4 - D Dam	8,520																															
No.4 - E Dam	7,130																															
No.4 - F Dam	5,760																															
River Improvement Works																																
Preparatory work		—																														
Excavation work	4,210,000	—			—			—			—			—			—															
Embankment work	700,000	—			—			—			—			—																		
Structural works		—			—			—			—			—																		
P.W. : Preparatory Work , E & C.W. : Earth and Concrete Work , Con.W : River Bed Consolidation Work. Dam Quantity is Concrete Volume . Structural Works include Levee Revetment , Groyne , Ground Sel and Drainage Facility.																																

RE V-1 IMPLEMENTATION SCHEDULE

4th. Year	5th. Year	6th. Year	7th. Year	8th. Year	9th. Year	10th. Year	11th. Year	12th. Year	13th Year	14th Year	15th. Year
3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9	3 6 9
E & C.W.											
B.C.W.	E & C.W.										
	P.W.	E & C.W.									
		P.W.	E & C.W.								
			P.W.	E & C.W.							
		P.W.	E & C.W.	E & C.W.							
				P.W.	E & C.W.	E & C.W.					
						P.W.	E & C.W.				
							P.W.	E & C.W.			
								P.W.	E & C.W.		
									P.W.	E & C.W.	
										P.W.	E & C.W.
											P.W.

Con. W : River Bed Consolidation Work.
 retment , Groyne , Ground Sel and Drainage Facility.

FIGURE VI-1 ORGANIZATION CHART OF MINISTRY OF PUBLIC WORKS, TRANSPORTATION AND COMMUNICATIONS



[] = Not Operational

FIGURE VI-2 ORGANIZATION CHART OF BPW

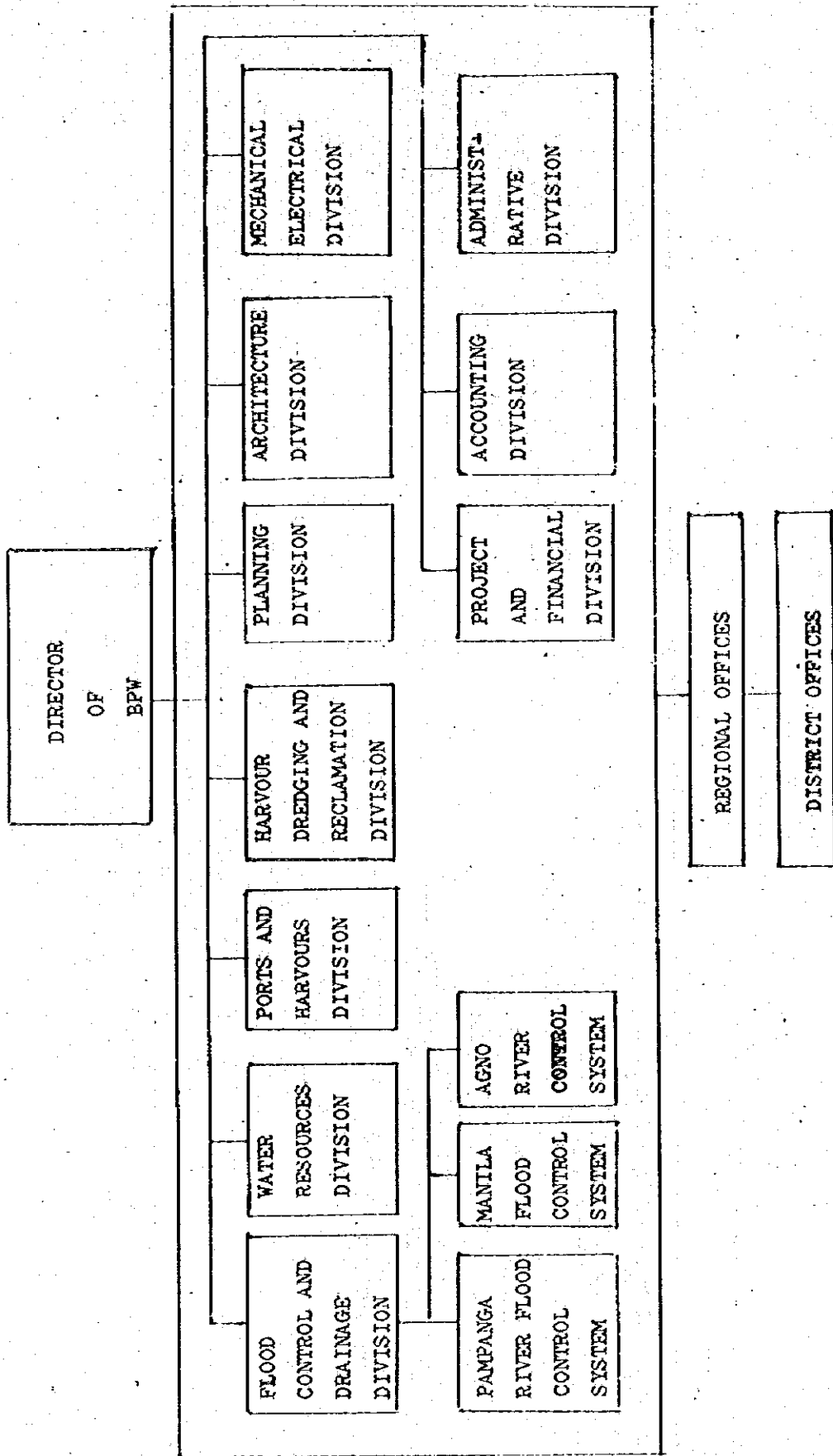


FIGURE VI-3 ORGANIZATION CHART OF PRCS

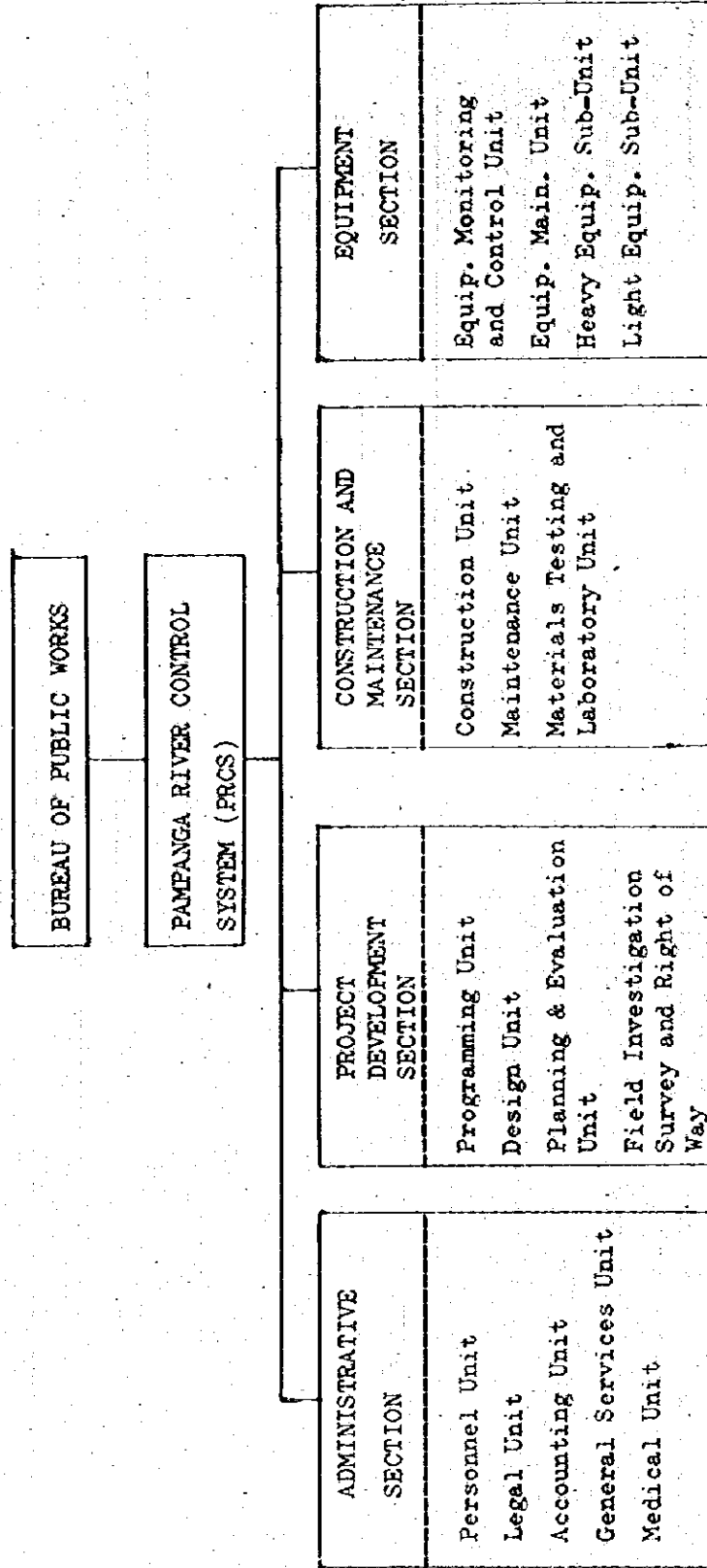


FIGURE VI-4 ORGANIZATION CHART OF TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES

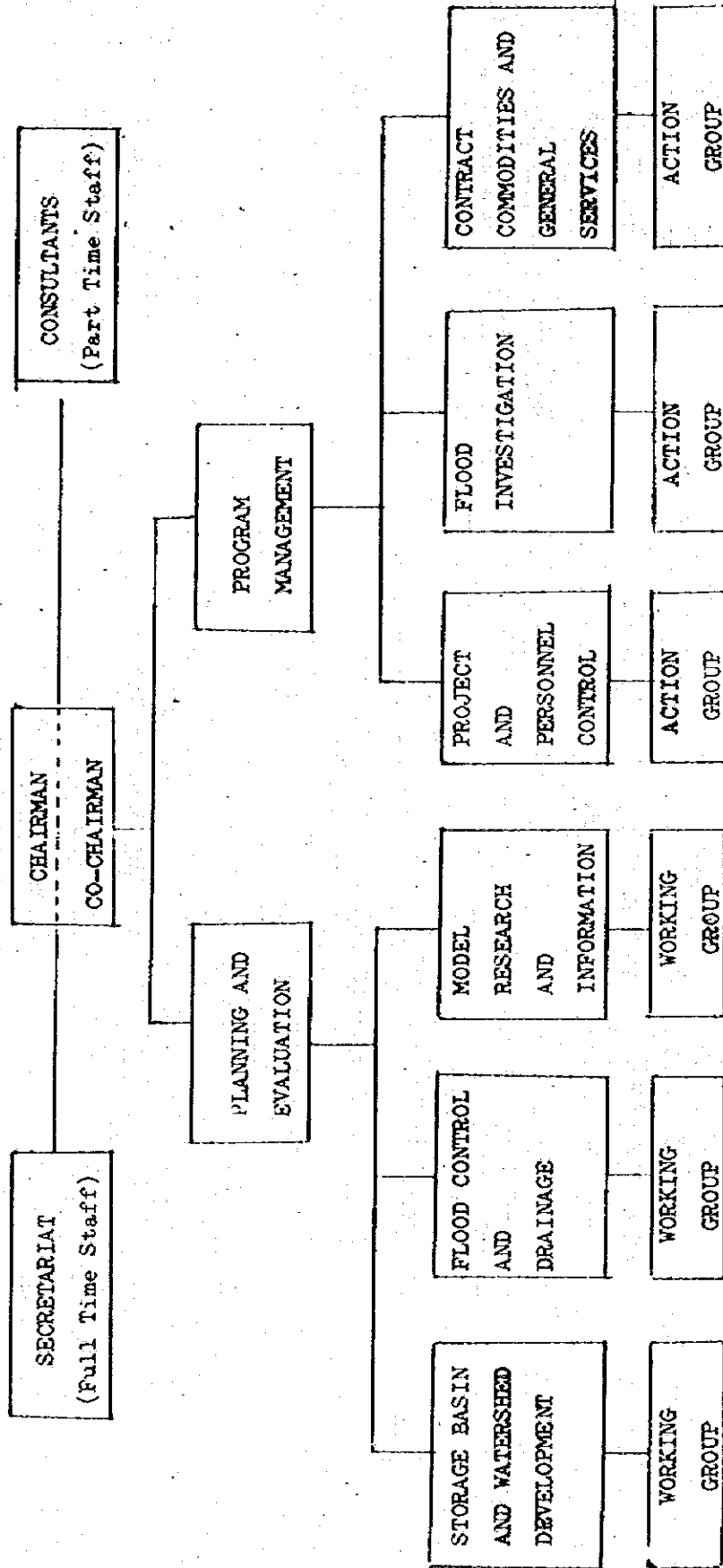
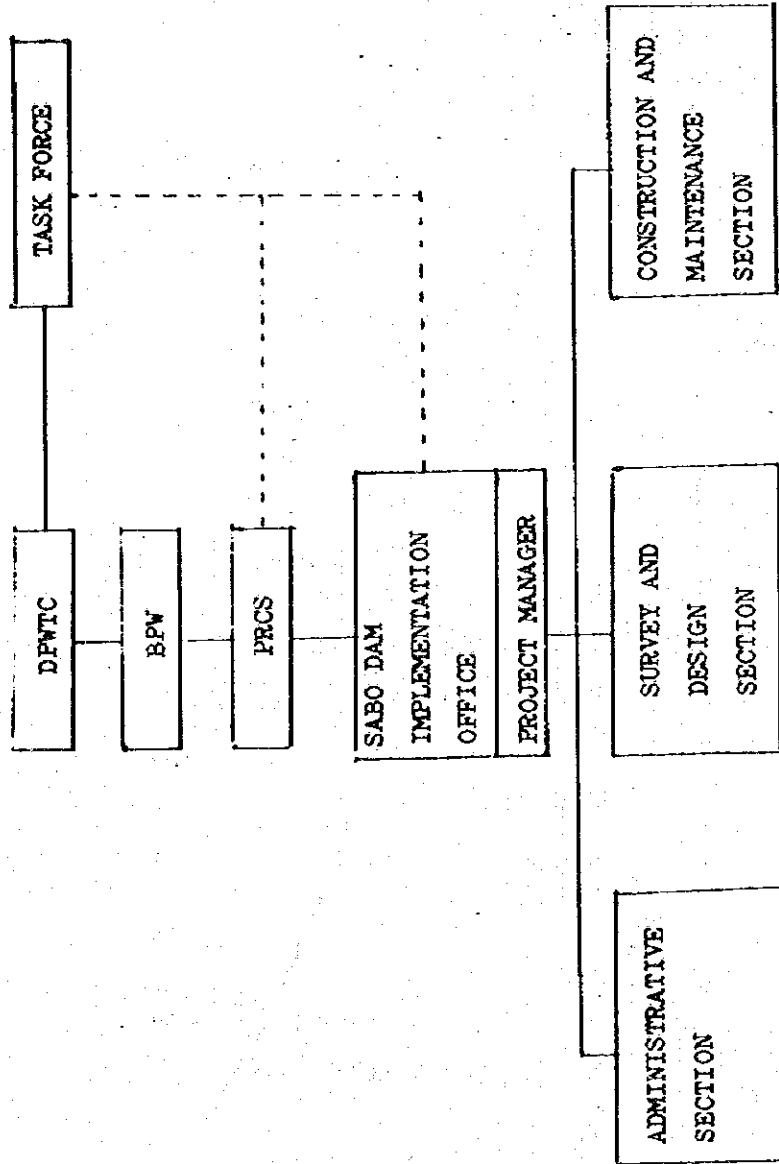


FIGURE VI-5 PROPOSED ORGANIZATION FOR PASIG-POTRERO PROJECT



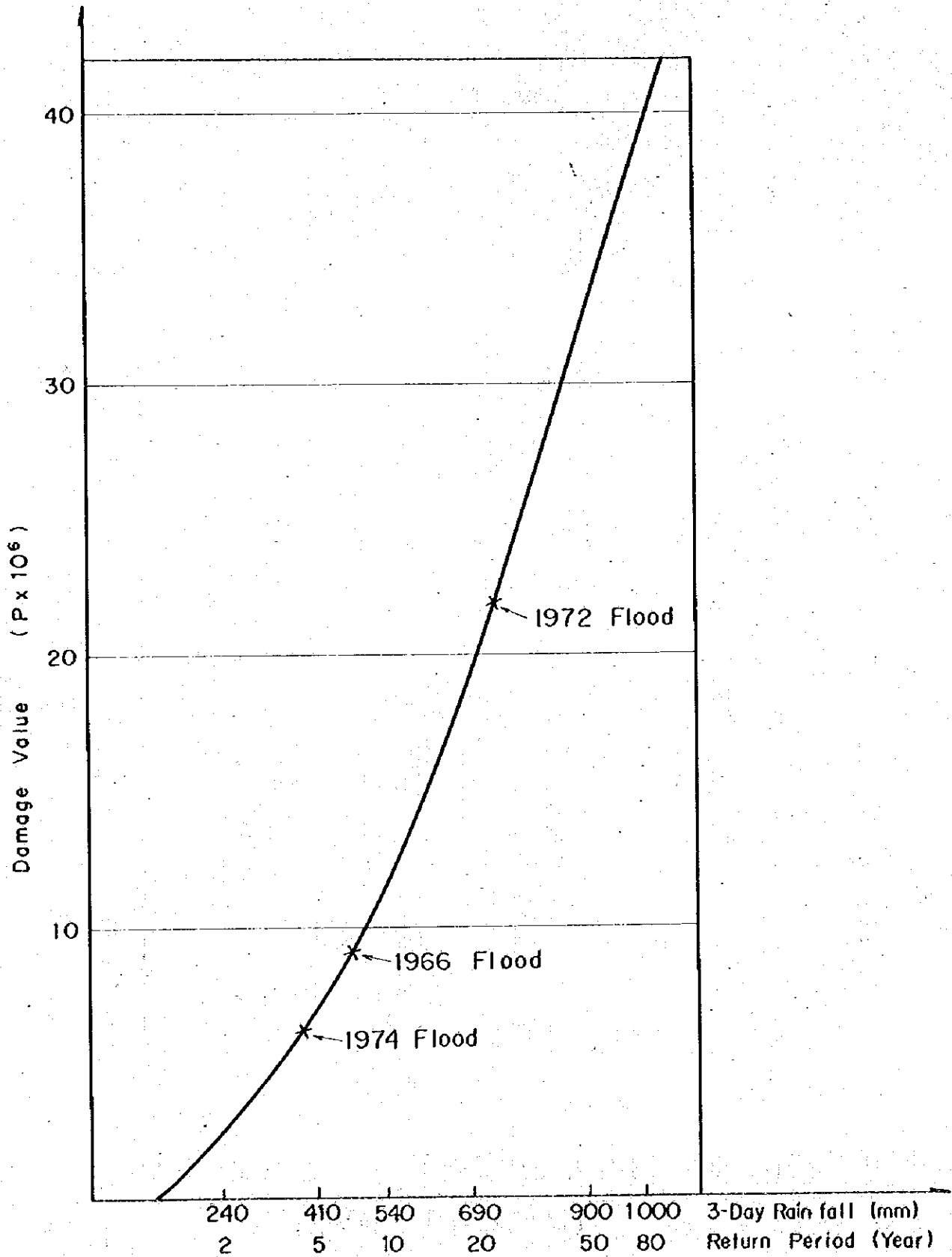


FIGURE VIII-1 FLOOD SCALE-DAMAGE RELATION

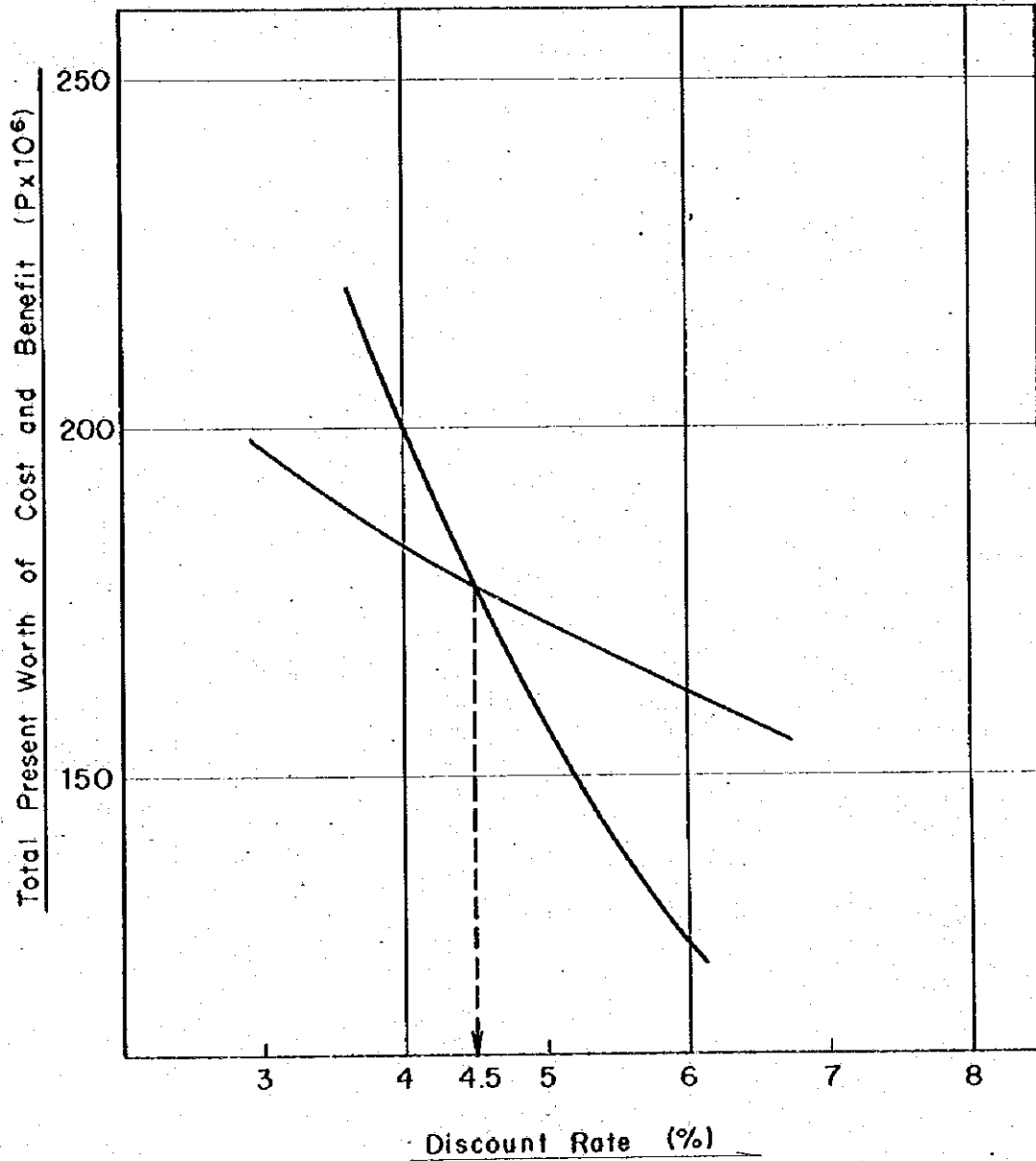


FIGURE VIII - 2 INTERNAL RATE OF RETURN OF THE PROJECT

DPWTC

TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES

PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES

CHECKED BY DESIGNED BY DRAWN BY

TITLE OF DRAWING

DATE
SEP. 30, 1978

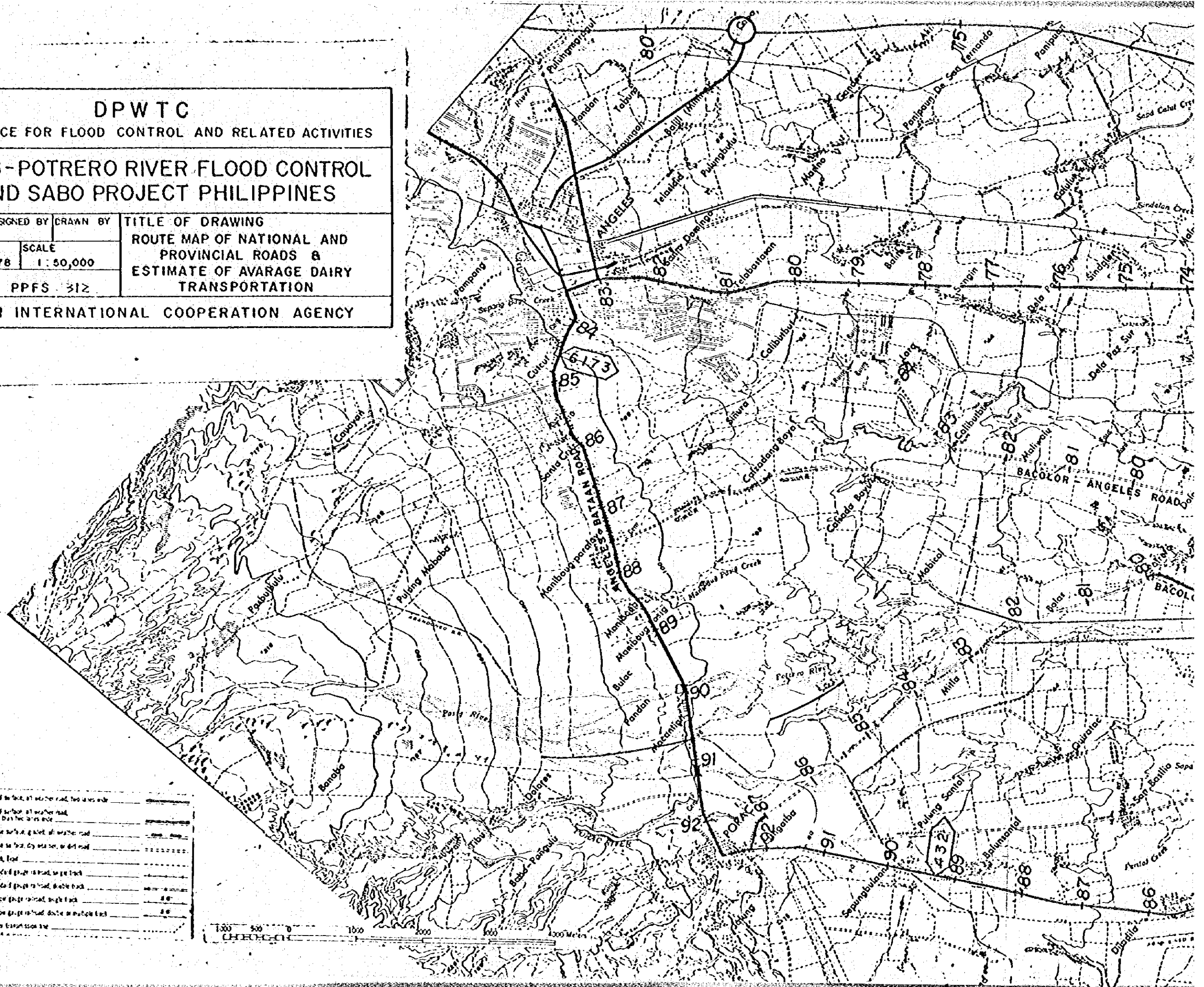
SCALE
1:50,000

ROUTE MAP OF NATIONAL AND
PROVINCIAL ROADS &
ESTIMATE OF AVERAGE DAIRY
TRANSPORTATION

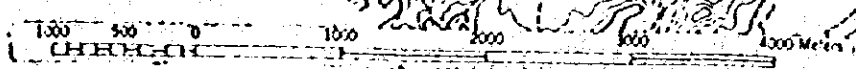
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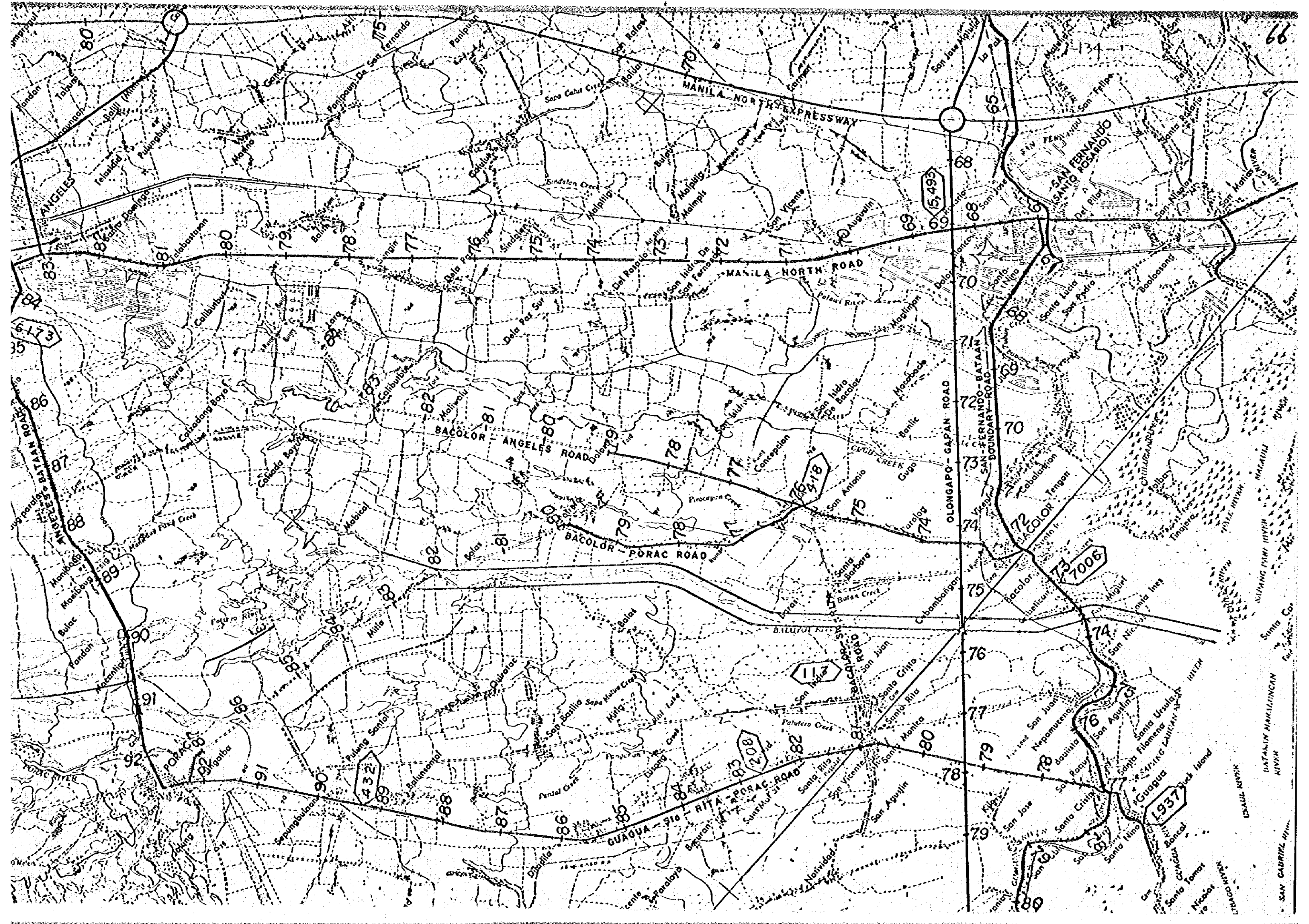
PPFS 312

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Red surface, all weather road, two lanes wide	—————
Red surface, all weather road, less than two lanes wide	—————
Light surface, gravel, all weather road	—————
Light surface, gravel, weather road	—————
Track, road	—————
Standard gauge railroad, single track	—————
Standard gauge railroad, double track	—————
Narrow gauge railroad, single track	—————
Narrow gauge railroad, double or multiple track	—————
Power transmission line	—————

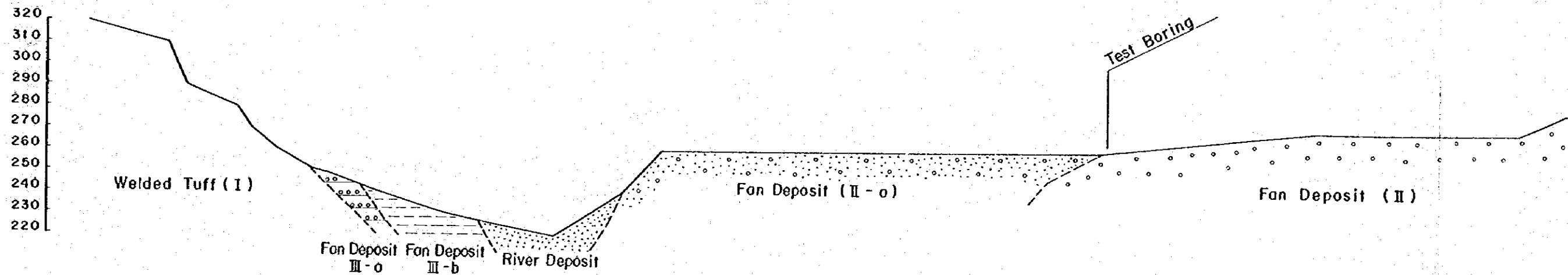




DRILU LOG.

Drilling BH-1

Depth (m)	Columnar section	Description	Penetration test (N/30 cm)			
			20	40	60	80
0 - 5		Sand. Yellowish brown to light grey. Coarse to fine, very dense.				
5 - 9.65		Light grey. Coarse to fine, very dense. Trace gravel.				
9.65 - 10		Rock. Light grey, coarse sizes.				
10 - 12.00		Sand - dense.				
12.00 - 12.22		Rock. Light grey to creamy brown.				
12.22 - 13.72		(Sample lost)				
13.72 - 15		(Sample lost)				



TASK F

PAS
A

CHECKED BY

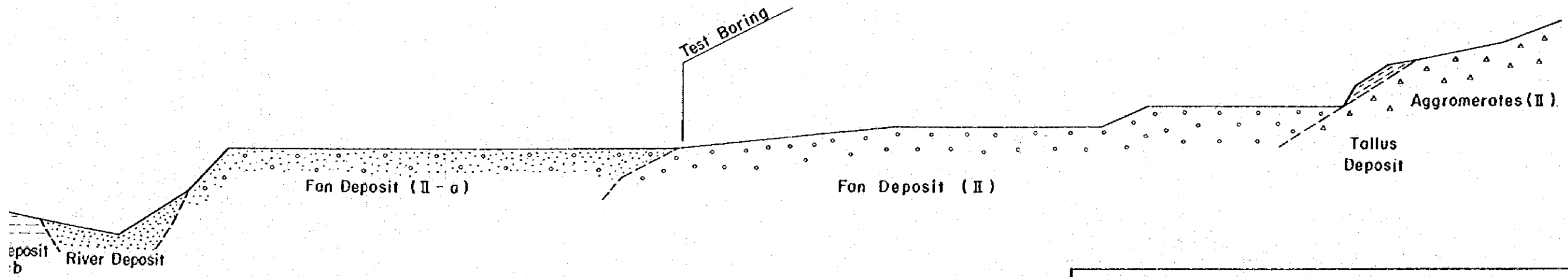
DATE
SEP. 30. 1
DRAWING N

JAP

DRILU LOG.

Drilling BH-1

Depth (m)	Columnar section	Description	Penetration test (N/30 cm)			
			20	40	60	80
5	[Symbol]	Sand. Yellowish brown to light grey. Coarse to fine, very dense.	[Symbol]	[Symbol]	[Symbol]	[Symbol]
		Light grey. Coarse to fine, very dense. Trace gravel.				
9.65						
10	[Symbol]	Rock. Light grey, coarse sizes.				
12.00	[Symbol]	Sand, dense.				
12.22	[Symbol]	Rock. Light grey to creamy brown.				
13.72		(Sample lost)				
15						



DPWTC			
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES			
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES			
CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE SEP. 30. 1978	SCALE H, I: 200 V, I: 300	DRAWING NO. PPFS 313	CROSS SECTION OF DAM SITE PROPOSED BY ECAFE
JAPAN INTERNATIONAL COOPERATION AGENCY			

