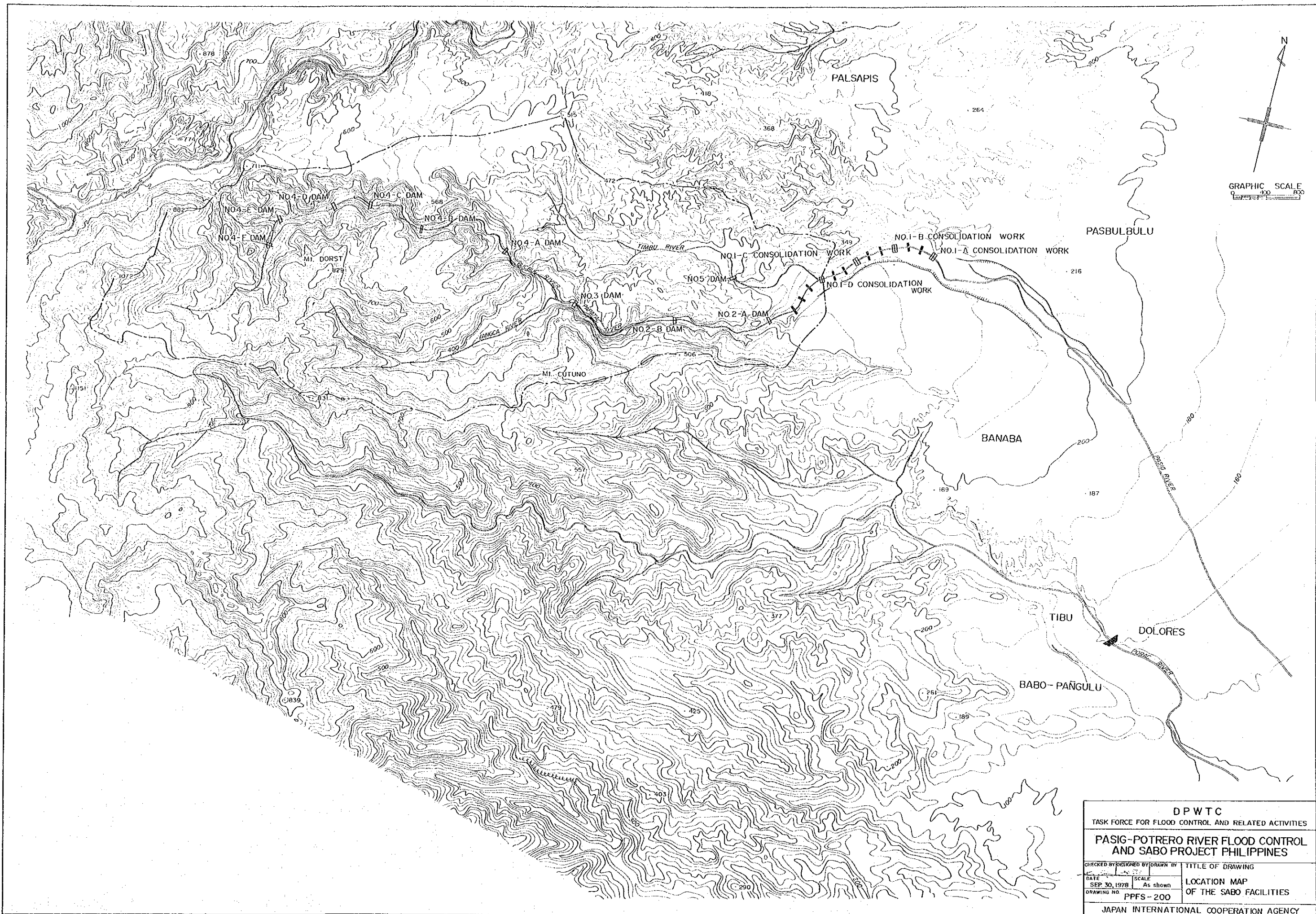
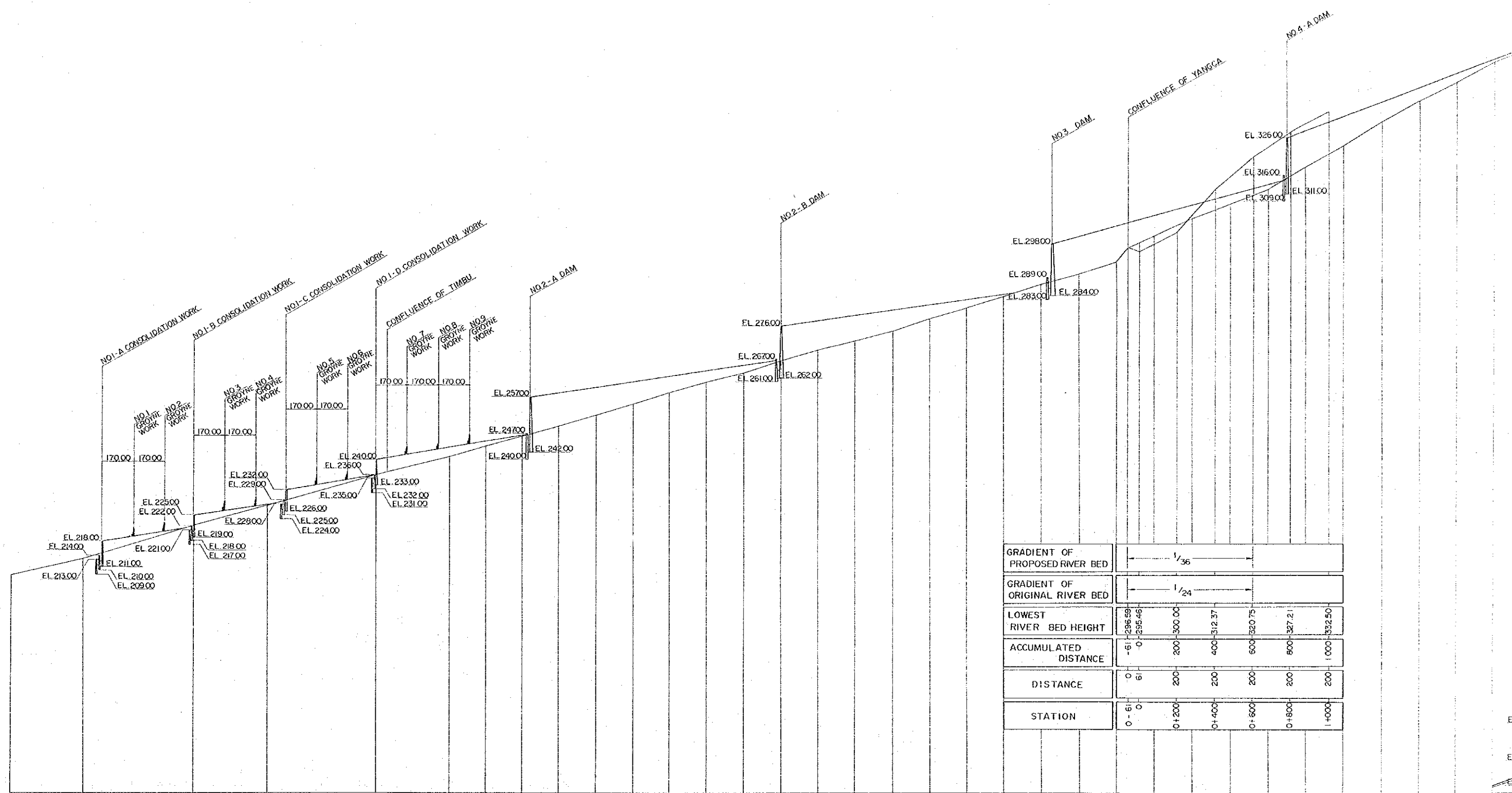


**SABO**



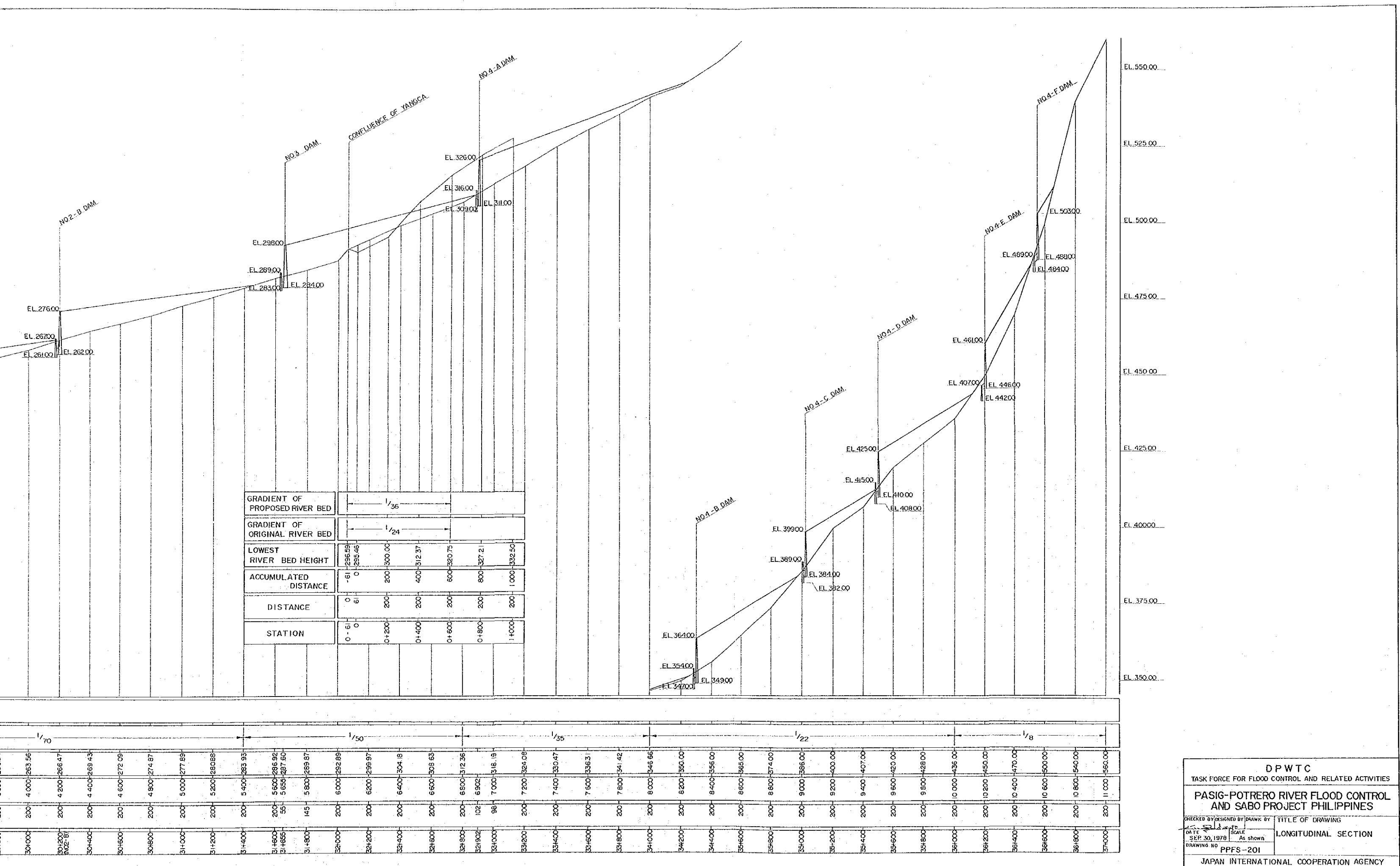
<b>DPWTC</b>			
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES			
<b>PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES</b>			
CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE		LOCATION MAP
SEP. 30, 1978	As shown		OF THE SABO FACILITIES
DRAWING NO.	PPFS-200		
JAPAN INTERNATIONAL COOPERATION AGENCY			

EL. 350.00  
 EL. 325.00  
 EL. 300.00  
 EL. 275.00  
 EL. 250.00  
 EL. 225.00  
 EL. 200.00  
 EL. 175.00  
 EL. 150.00



GRADIENT OF PROPOSED RIVER BED	1/36
GRADIENT OF ORIGINAL RIVER BED	1/24
LOWEST RIVER BED HEIGHT	296.59 295.45
ACCUMULATED DISTANCE	0 200 400 600 800 1000
DISTANCE	0 200 200 200 200 200
STATION	0+00 0+200 0+400 0+600 0+800 1+000

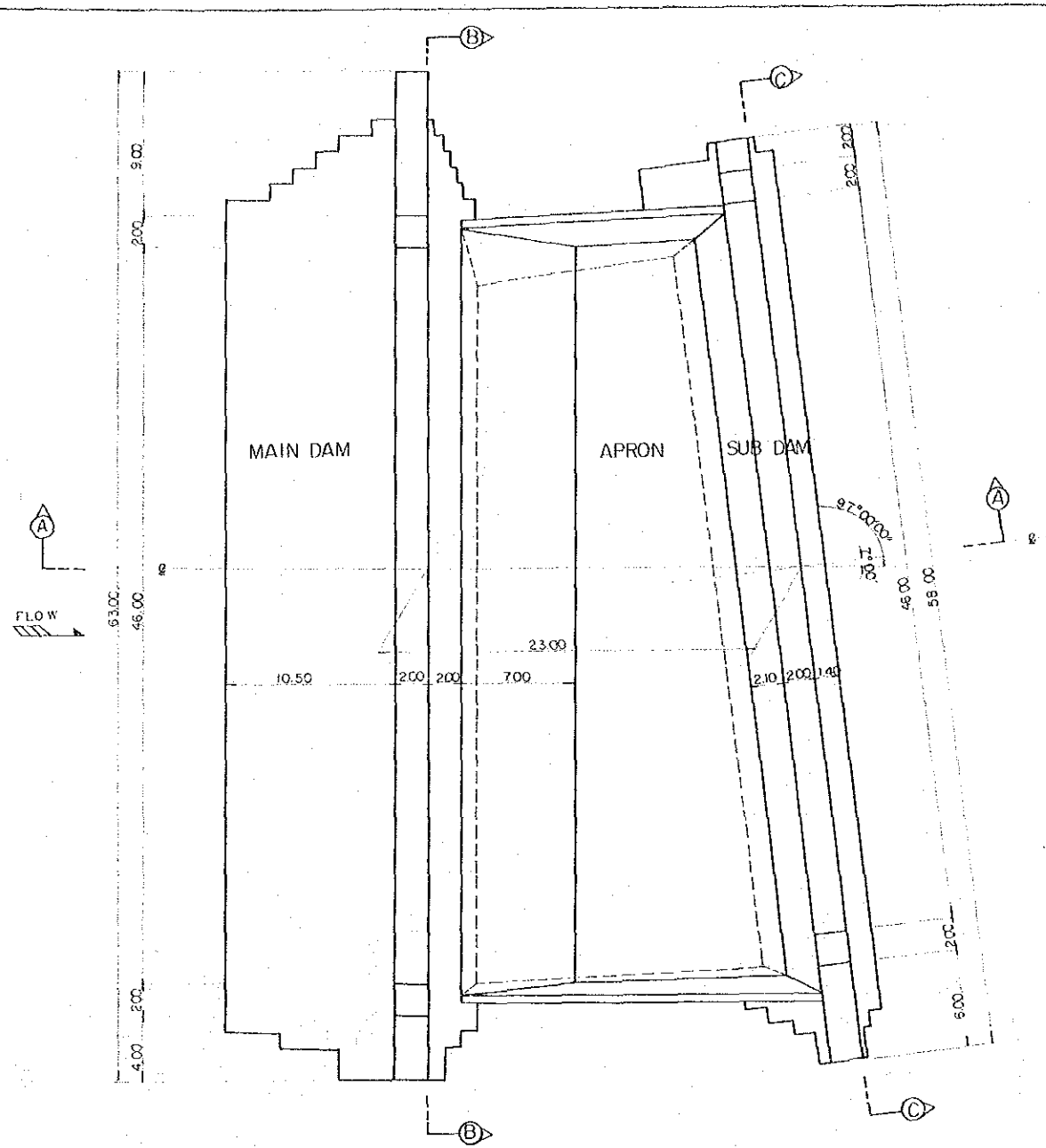
GRADIENT OF PROPOSED RIVER BED	
GRADIENT OF ORIGINAL RIVER BED	1/75
LOWEST RIVER BED HEIGHT	208.60 213.44 214.51 222.37 227.72 235.57 240.90 243.62 246.75 247.52 249.05 251.90 254.89 259.06 250.94 263.56 266.47 269.43 272.09 274.87 277.89 280.88 283.93 286.92 287.50 289.87 292.89 299.97 304.18 308.63 312.35 318.19 324.08 330.47 336.31 341.42 346.66
ACCUMULATED DISTANCE	0 400 498 1000 1400 2000 2400 2600 2800 2845 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800 5000 5200 5400 5600 5655 5800 6000 6200 6400 6600 6800 6902 7000 7200 7400 7600 7800 8000
DISTANCE	0 400 98 502 400 600 400 200 200 45 155 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 102 98 200 200 200 200 200 200 200
STATION	26+000 26+400 26+498 27+000 27+400 28+000 28+400 28+600 28+645 28+800 29+000 29+200 29+400 29+600 29+800 30+000 30+200 30+400 30+600 30+800 31+000 31+200 31+400 31+600 31+655 31+800 32+000 32+200 32+400 32+600 32+800 32+902 33+000 33+200 33+400 33+600 33+800 34+000



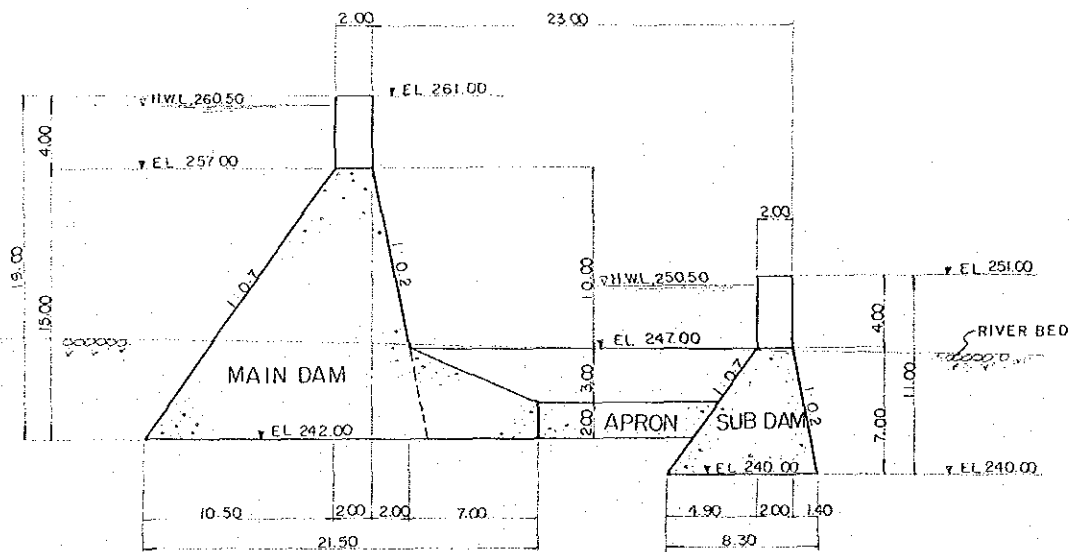
**DPWTC**  
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES

**PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES**

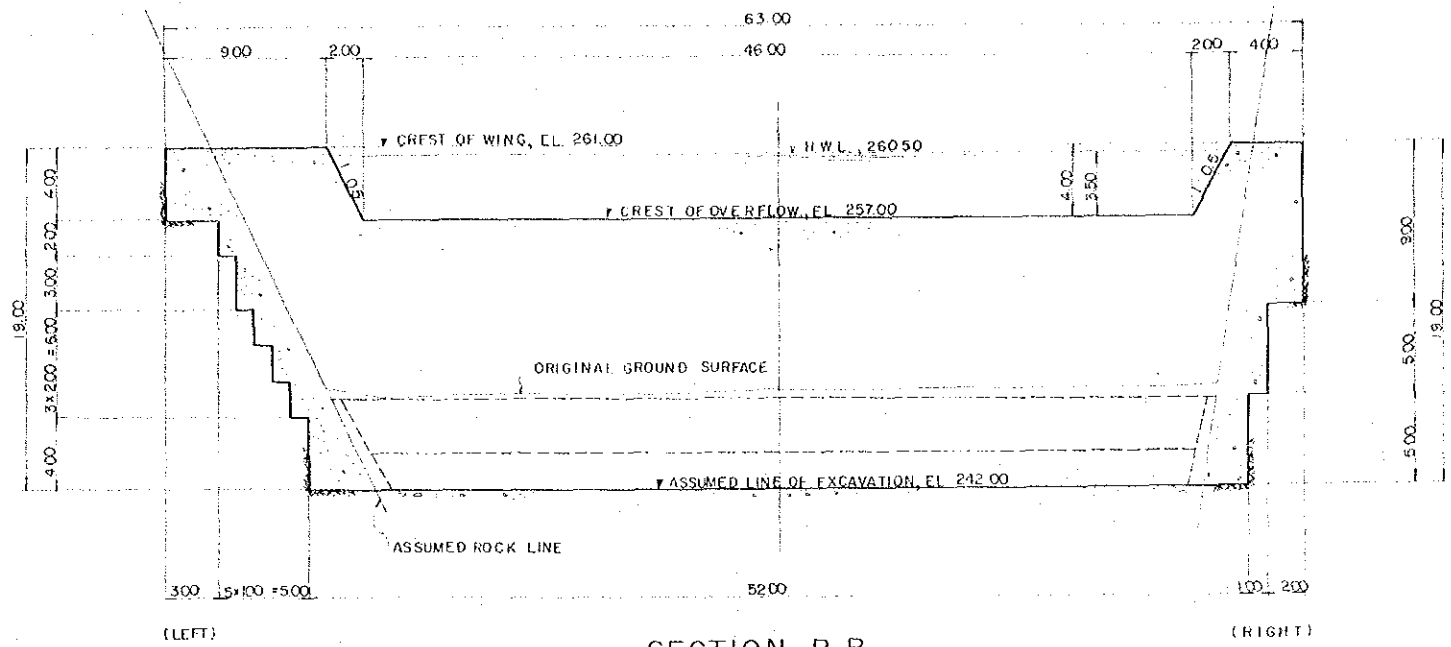
CHECKED BY: _____	DESIGNED BY: _____	DRAWN BY: _____	TITLE OF DRAWING: _____
DATE: SEP. 30, 1978	SCALE: As shown	LONGITUDINAL SECTION	
DRAWING NO: PPF-201			
JAPAN INTERNATIONAL COOPERATION AGENCY			



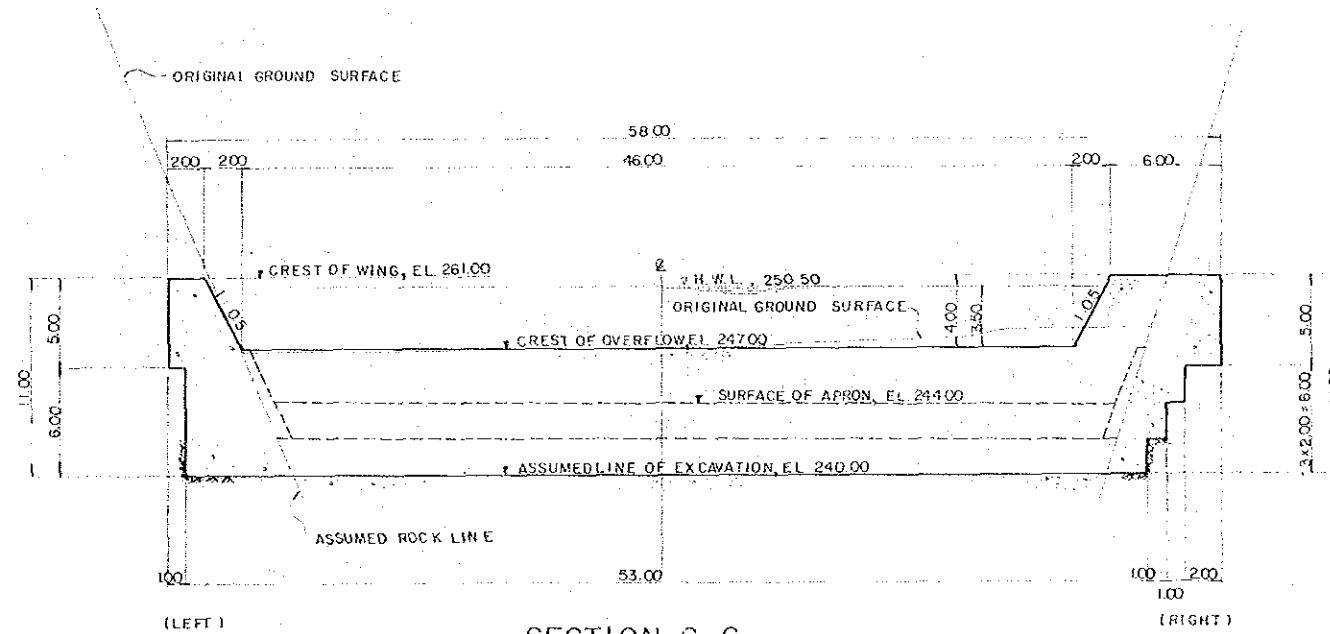
PLAN  
SCALE 1:200



SECTION A-A  
SCALE 1:200

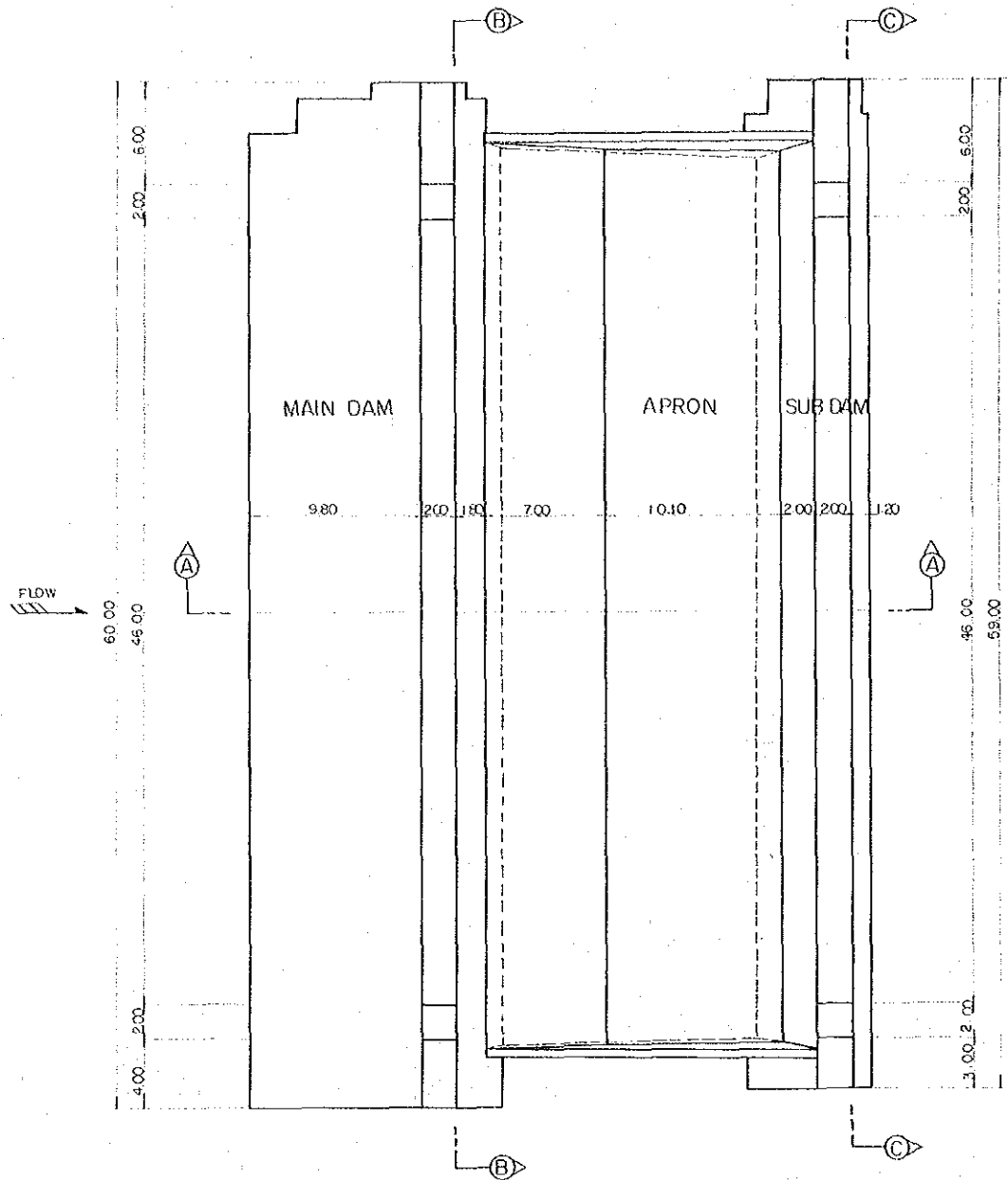


SECTION B-B  
SCALE 1:200

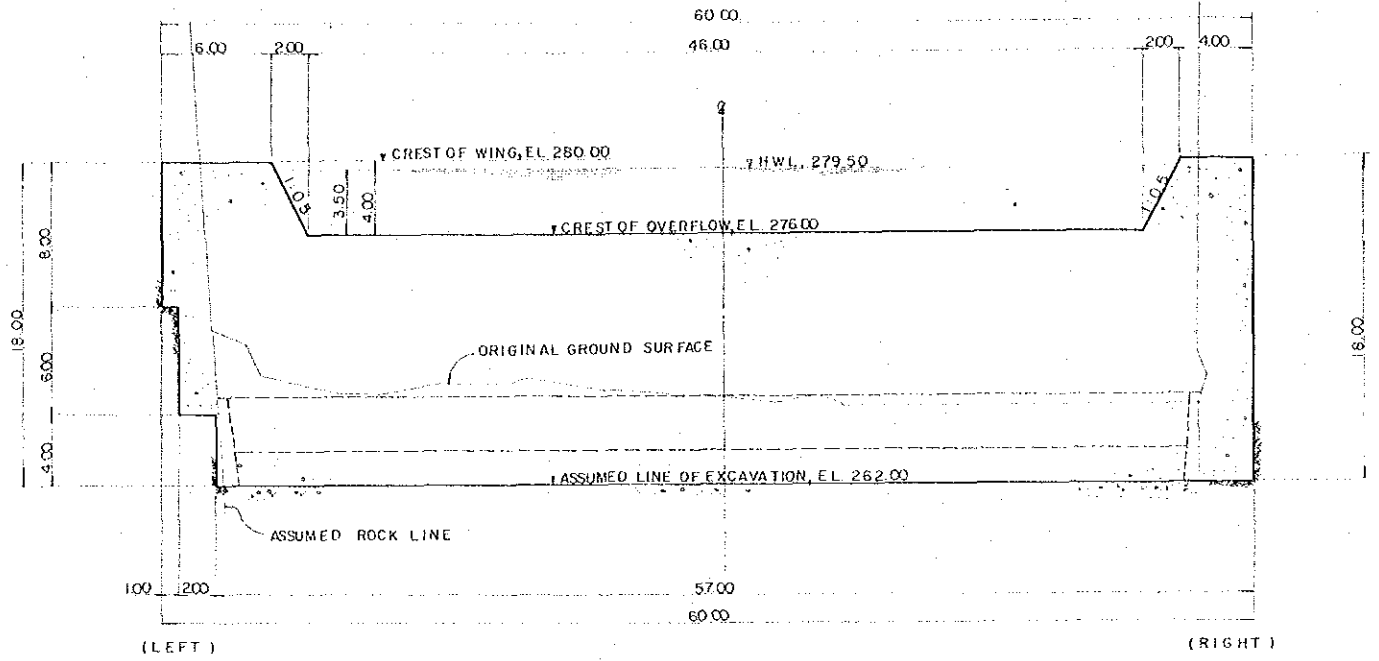


SECTION C-C  
SCALE 1:200

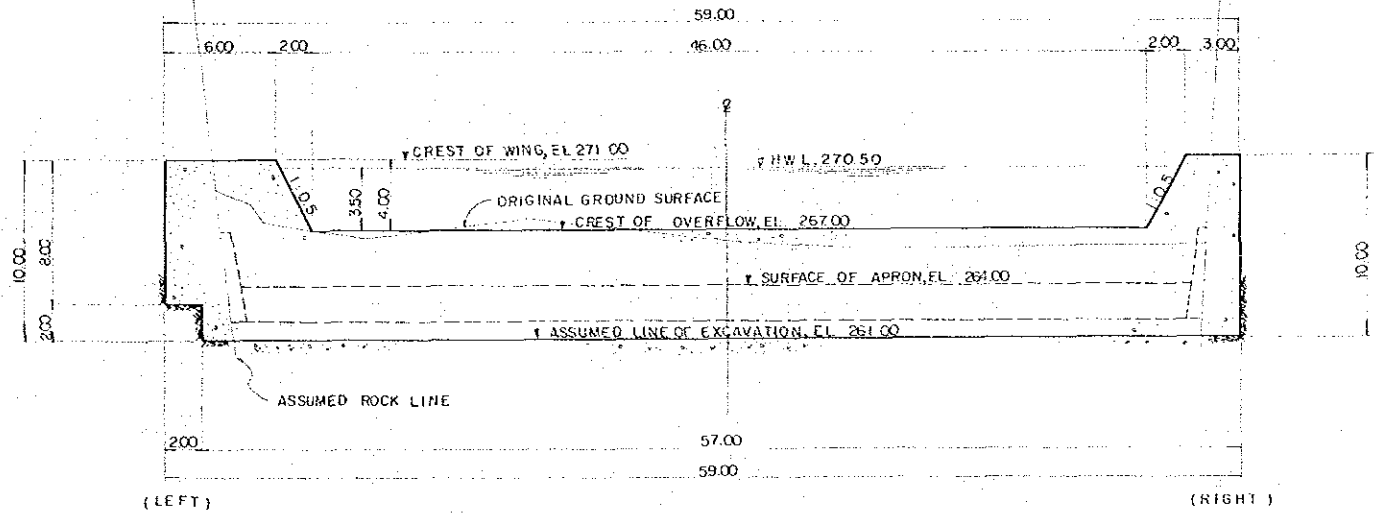
D.P.W.T.C. TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES	
PASIG - POTRE RO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES	
CHECKED BY DATE SEP 30, 1978 DRAWING NO. PPFS-202	DESIGNED BY DRAWN BY SCALE As shown TITLE OF DRAWING STRUCTURAL DETAILS OF NO. 2-A SABO DAM
JAPAN INTERNATIONAL COOPERATION AGENCY	



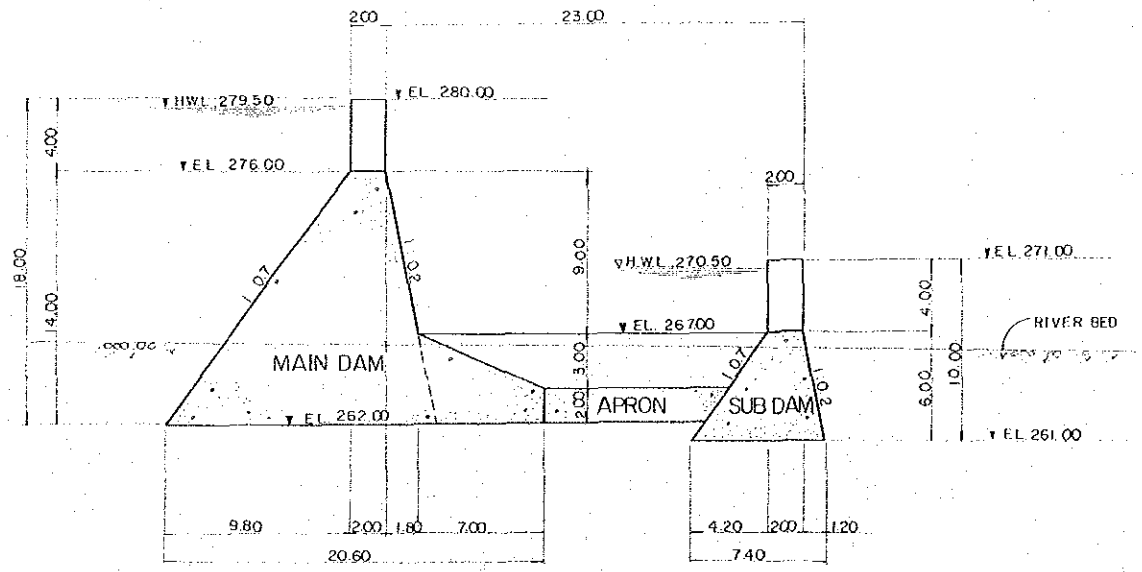
PLAN  
SCALE 1:200



SECTION B-B  
SCALE 1:200

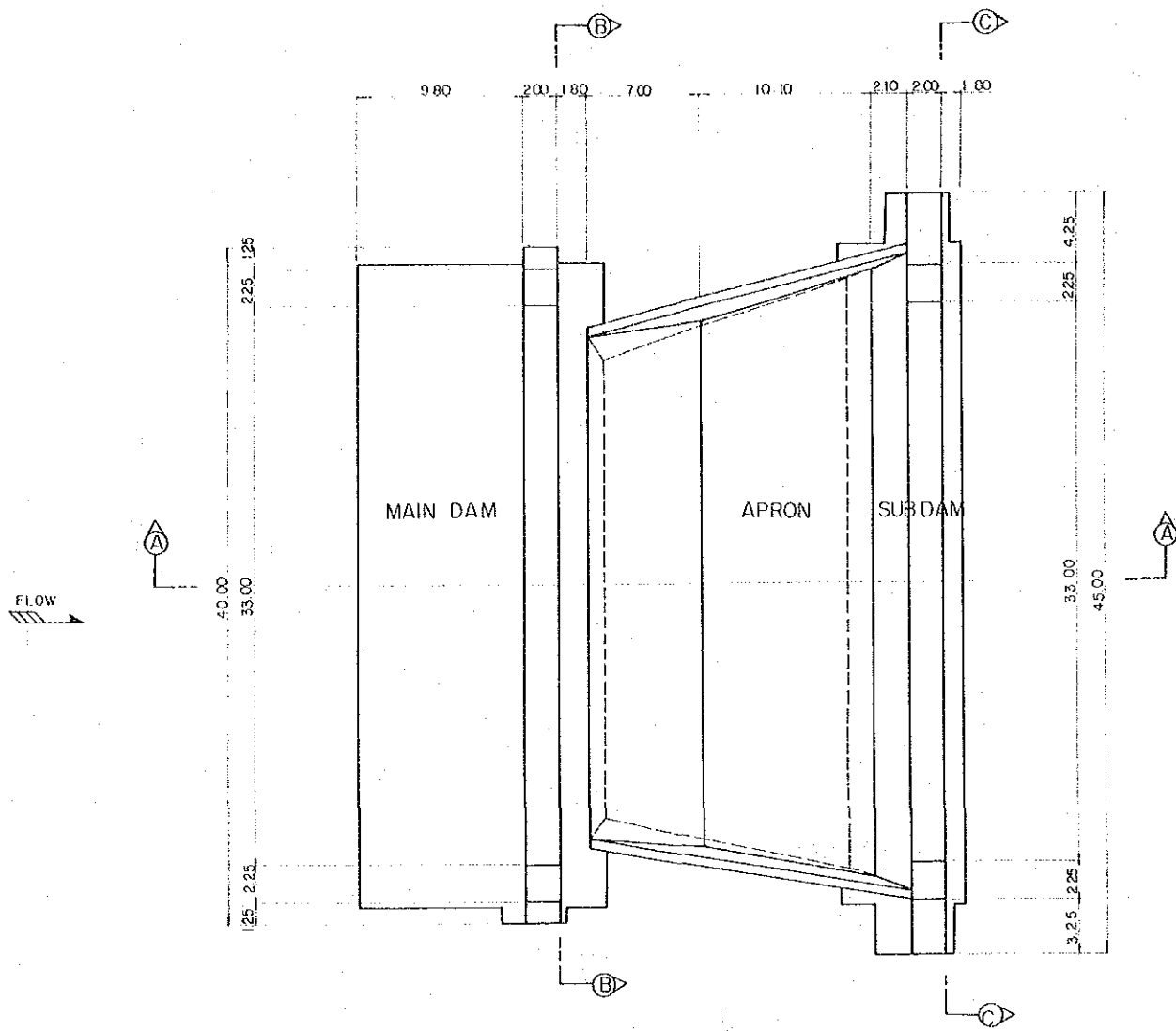


SECTION C-C  
SCALE 1:200

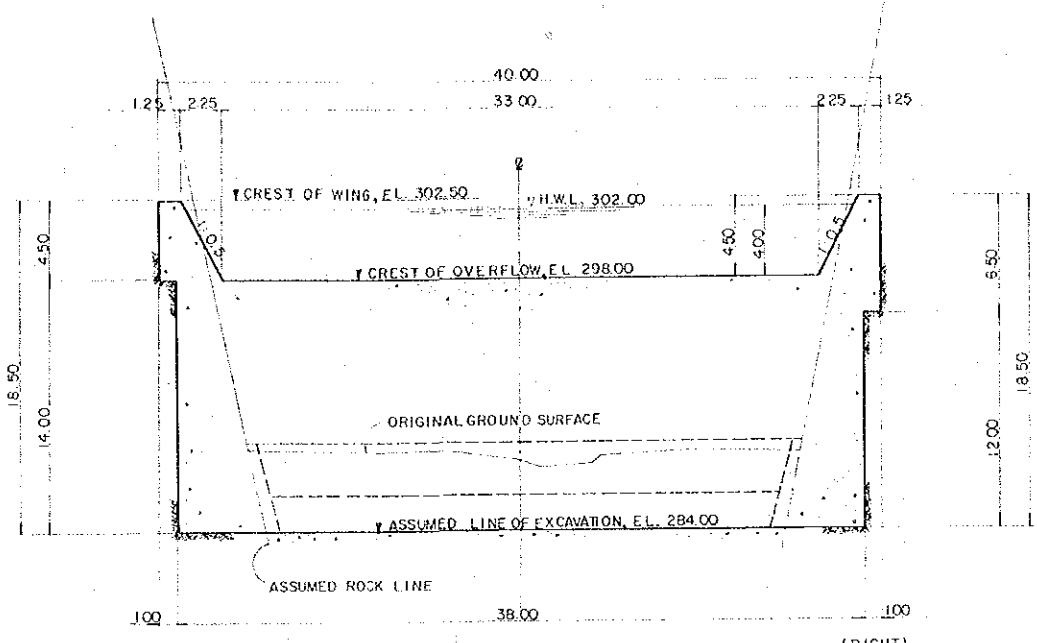


SECTION A-A  
SCALE 1:200

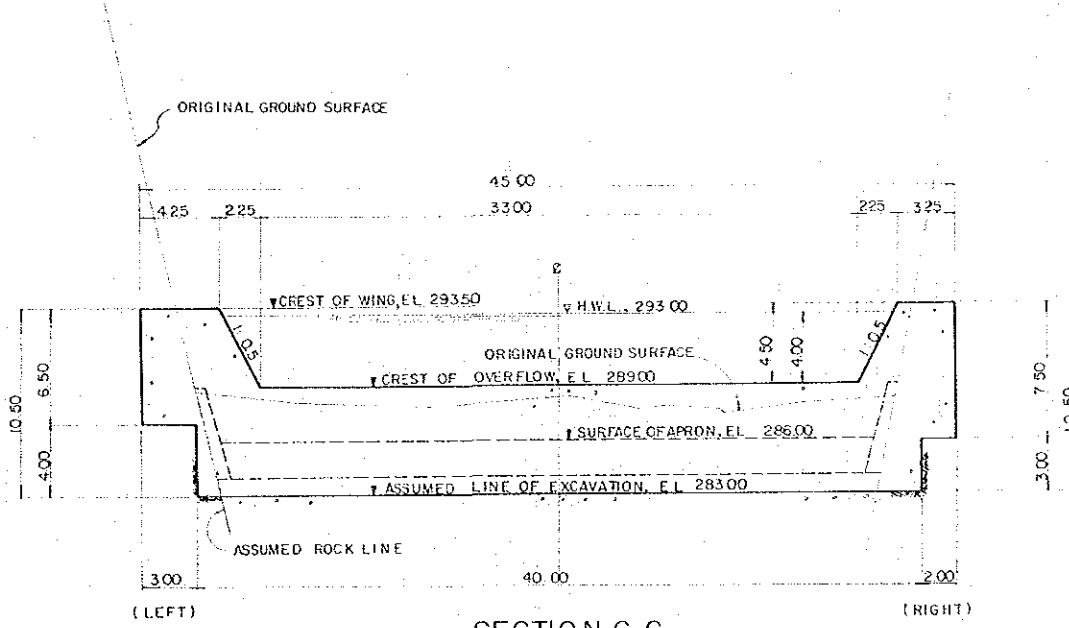
DPWTC	
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES	
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES	
CHECKED BY DESIGNED BY DATE DRAWING NO.	TITLE OF DRAWING STRUCTURAL DETAILS OF NO. 2 - B SABO DAM
SEP 30, 1978 PPFS-203	As shown
JAPAN INTERNATIONAL COOPERATION AGENCY	



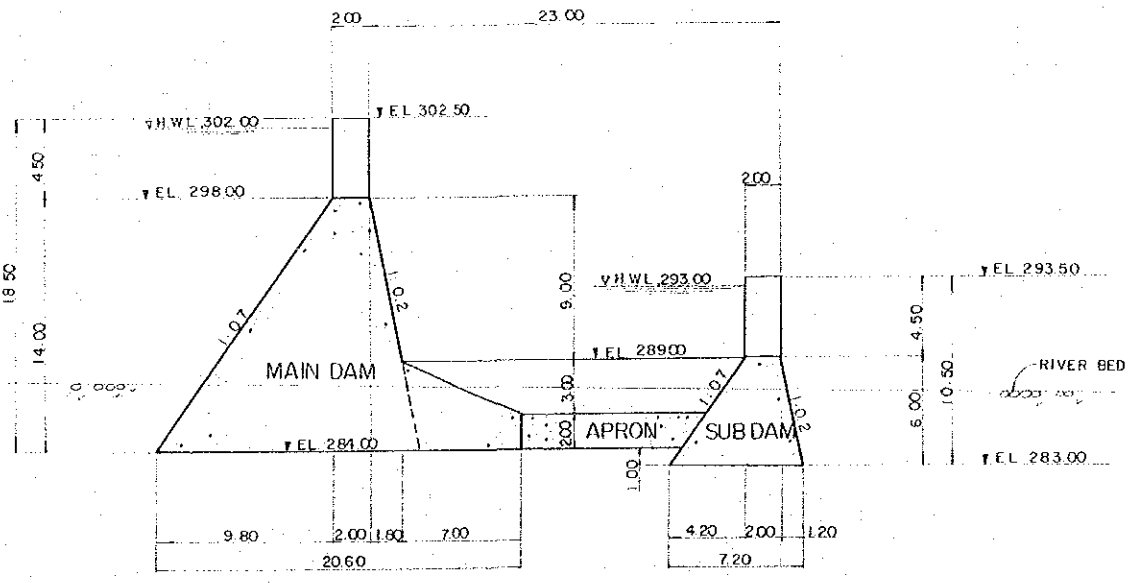
PLAN  
SCALE 1:200



SECTION B-B  
SCALE 1:200



SECTION C-C  
SCALE 1:200



SECTION A-A  
SCALE 1:200

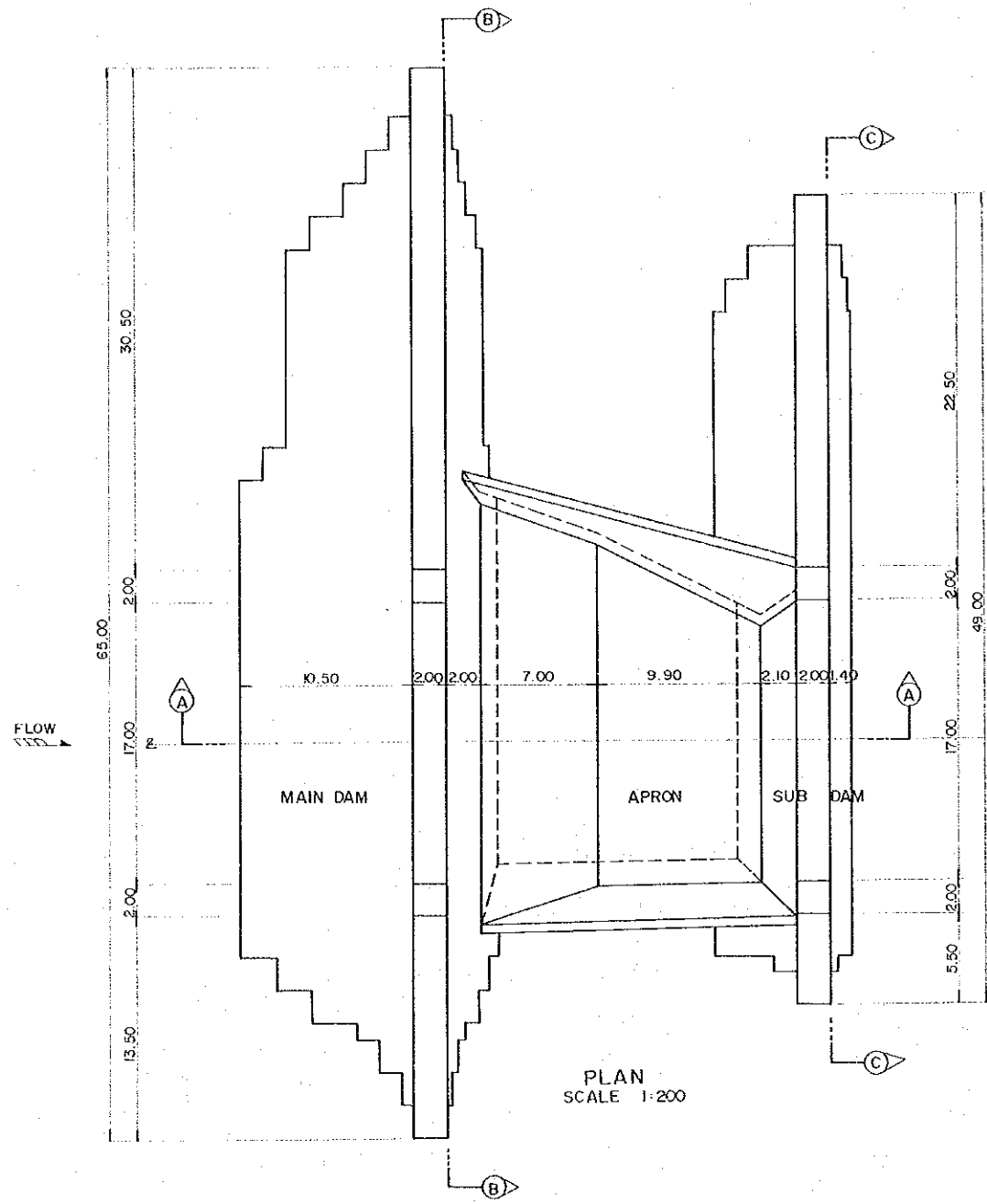
DPWTC	
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES	
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES	
CHECKED BY	DESIGNED BY
DATE	SCALE
SEP. 30, 1978	As shown
DRAWING NO.	TITLE OF DRAWING
PPFS-204	STRUCTURAL DETAILS OF NO. 3 SABO DAM
JAPAN INTERNATIONAL COOPERATION AGENCY	



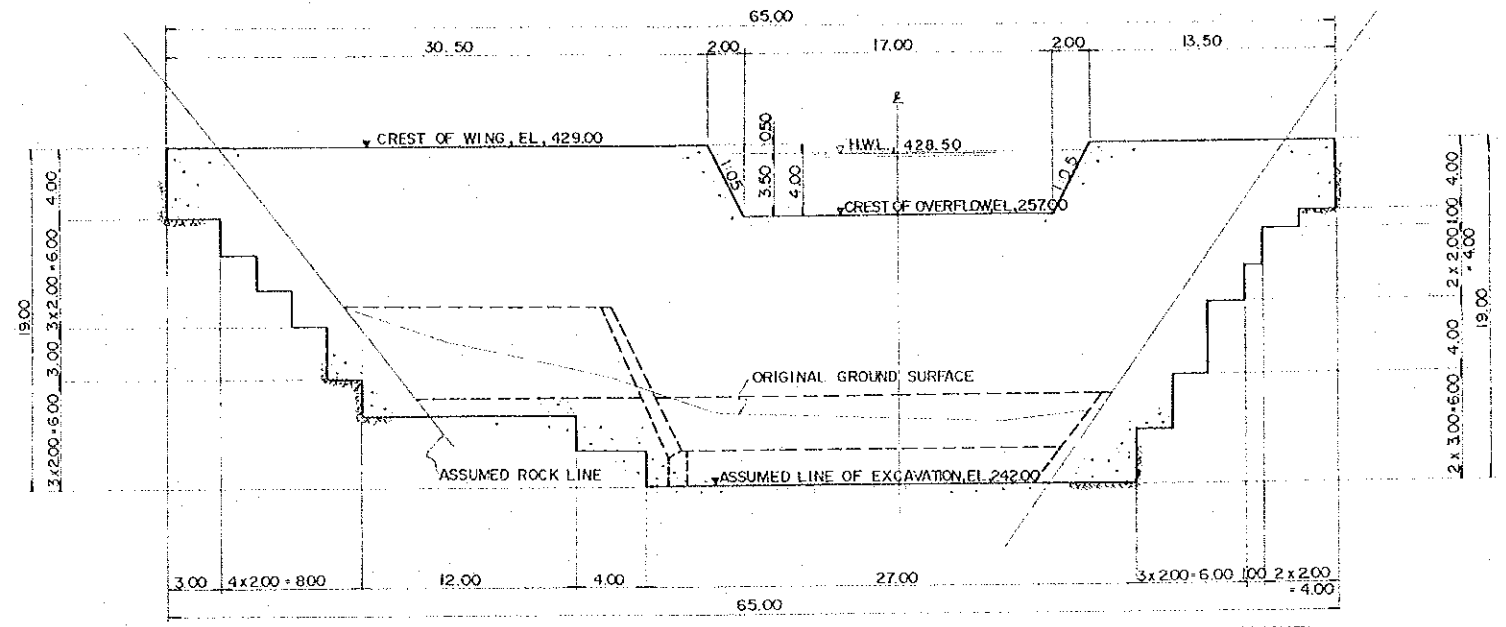




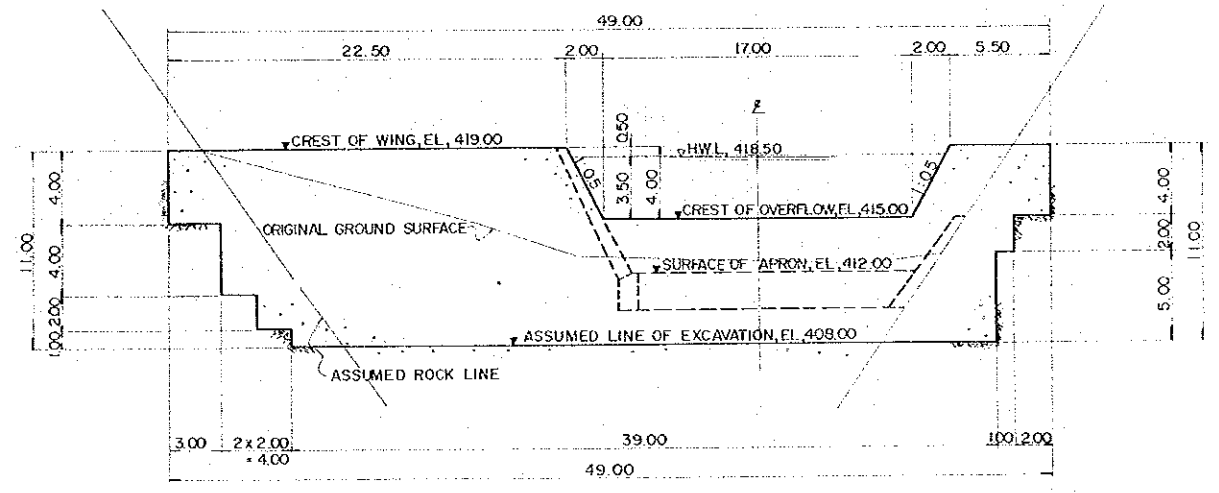




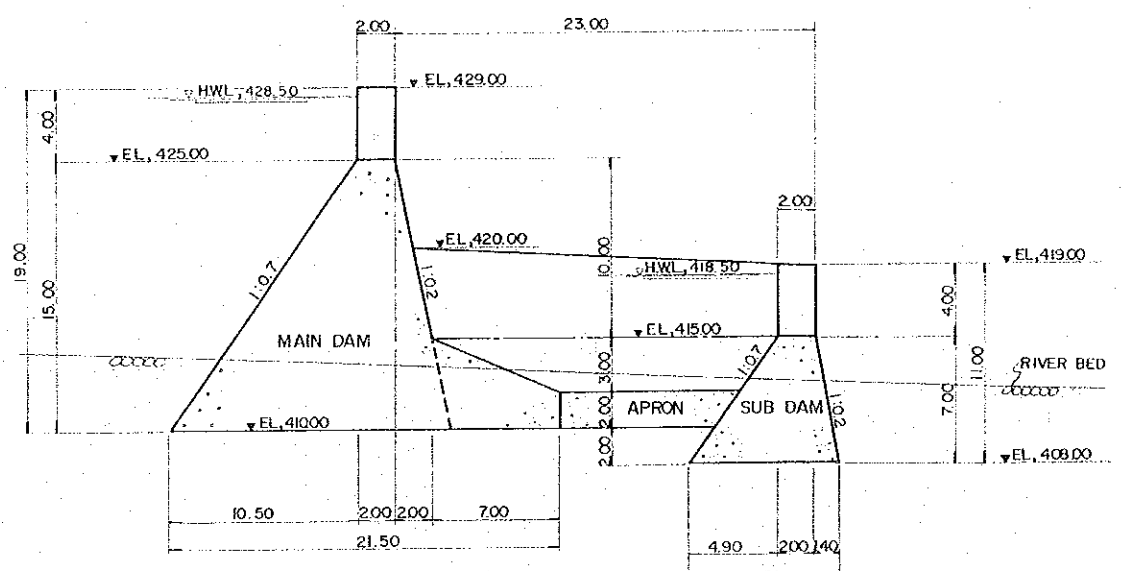
PLAN  
SCALE 1:200



SECTION B-B  
SCALE 1:200

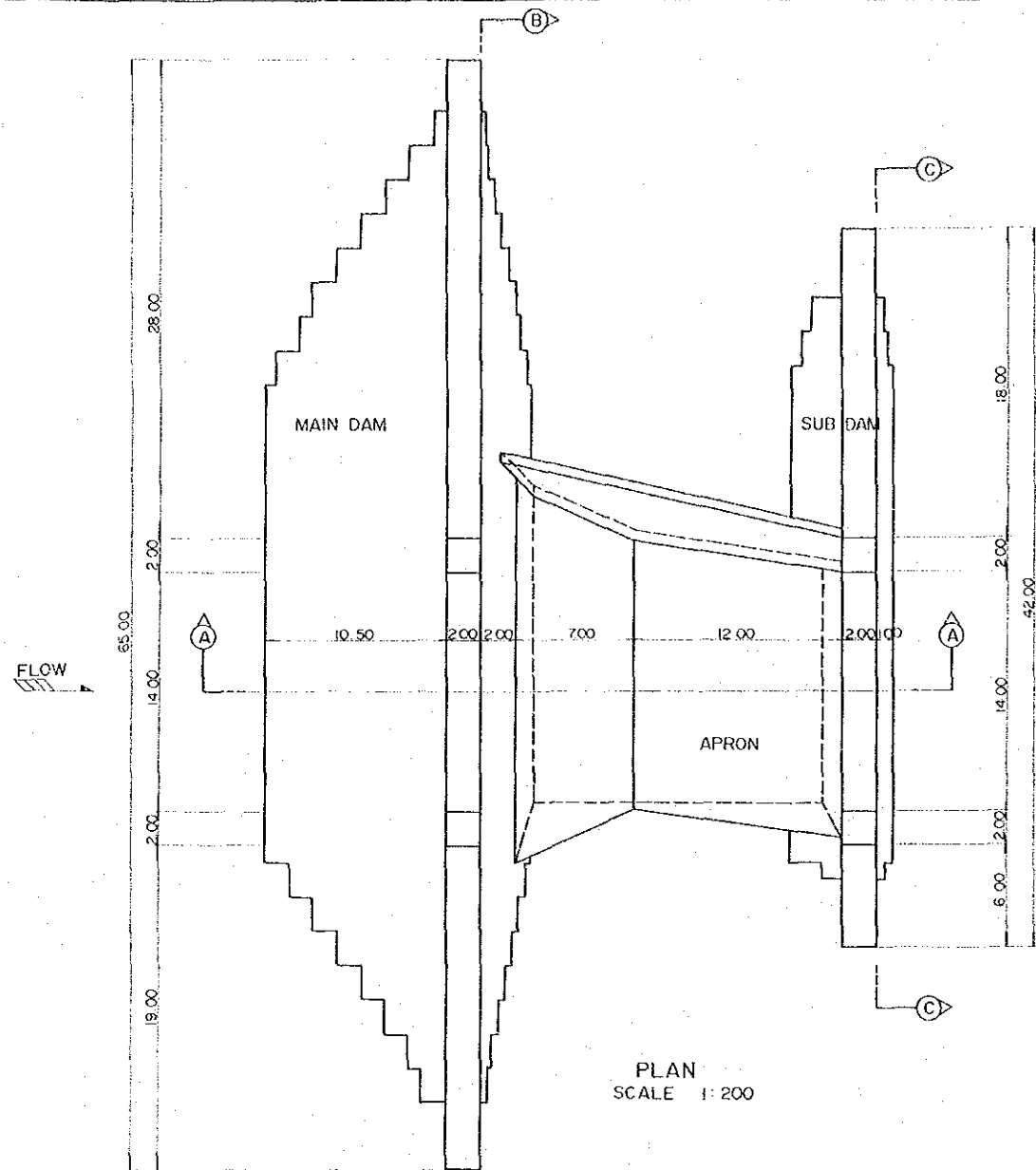


SECTION C-C  
SCALE 1:200

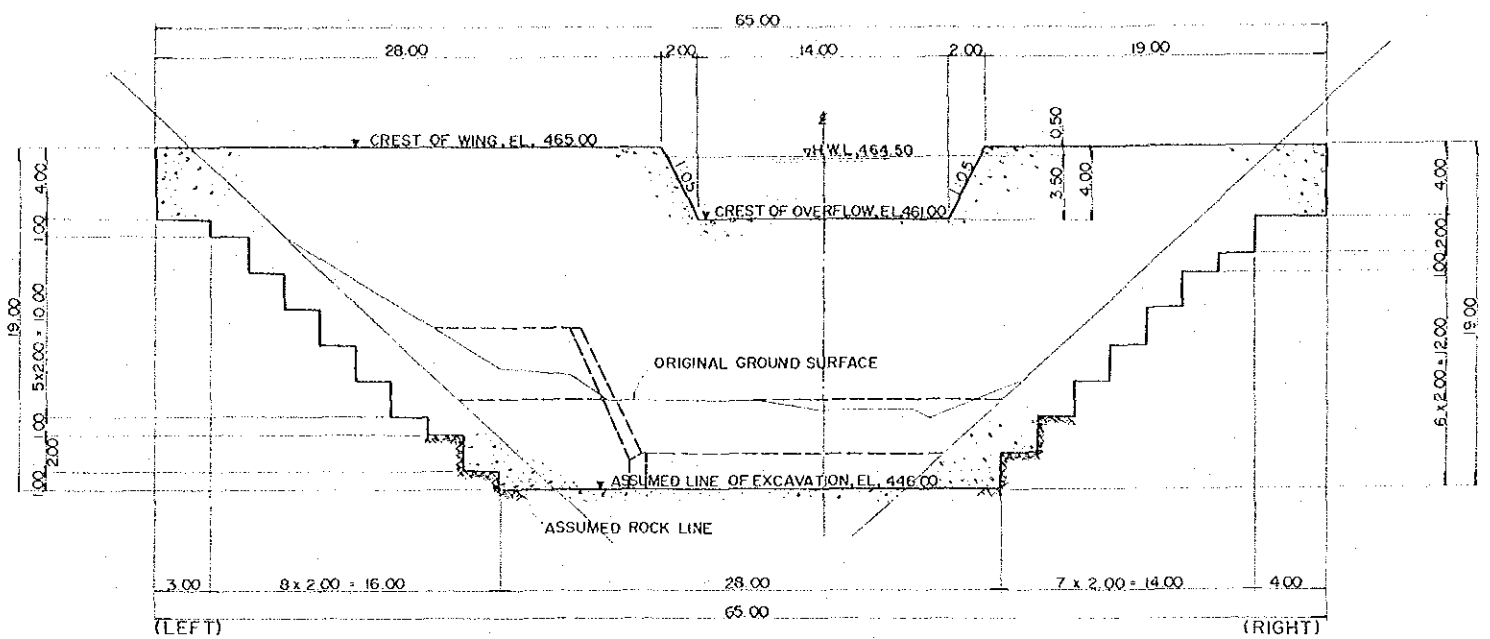


SECTION A-A  
SCALE 1:200

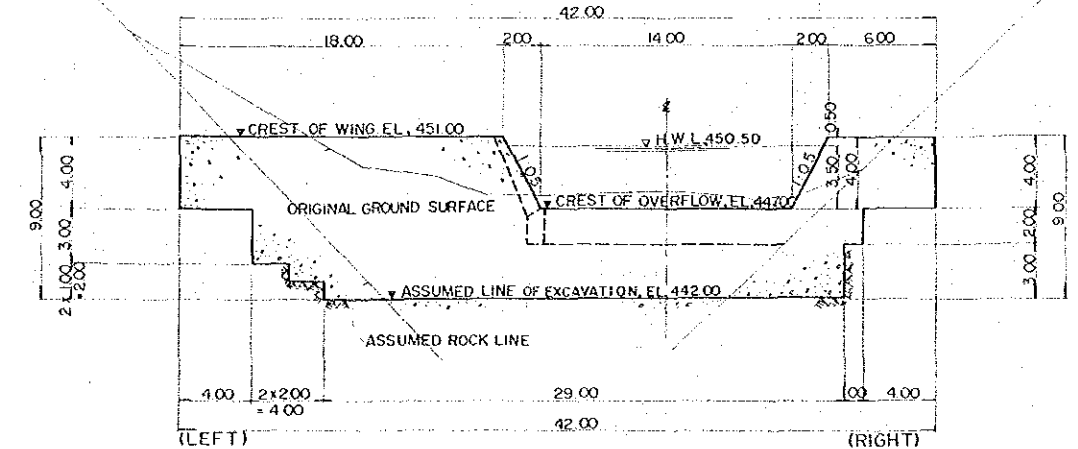
DPWTC TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES			
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES			
CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE	As shown	STRUCTURAL DETAILS OF NO.4-D SABO DAM
SEP. 30, 1978			
DRAWING NO. PFFS-208			
JAPAN INTERNATIONAL COOPERATION AGENCY			



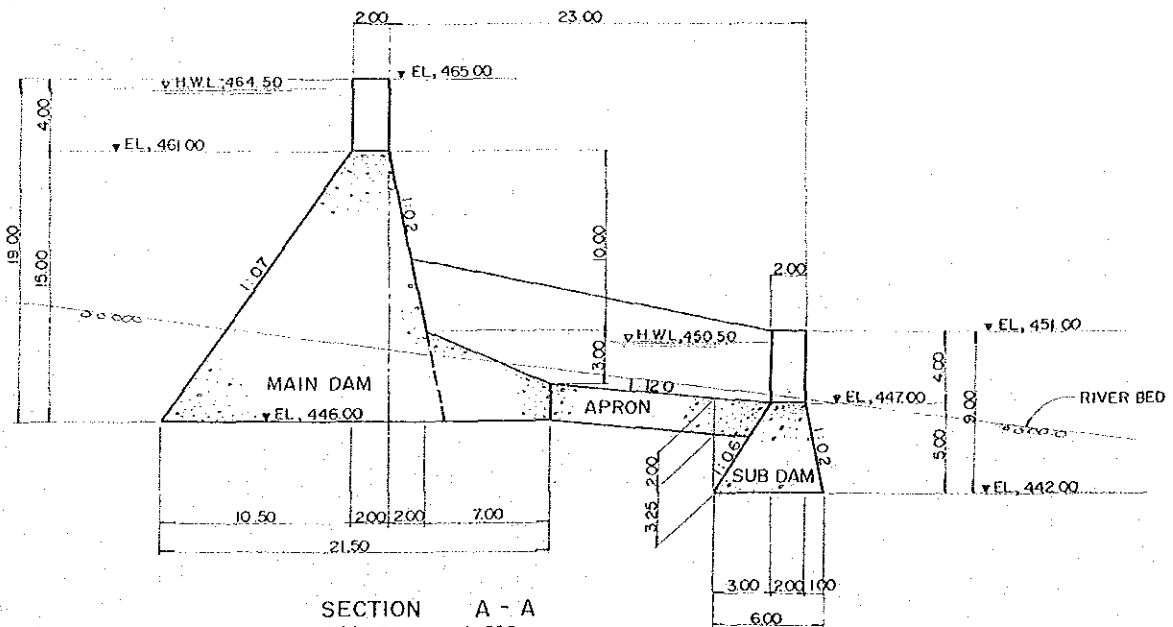
PLAN  
SCALE 1:200



SECTION B - B  
SCALE 1:200



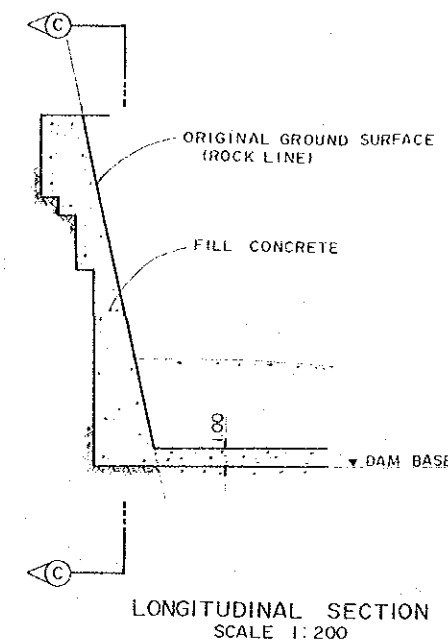
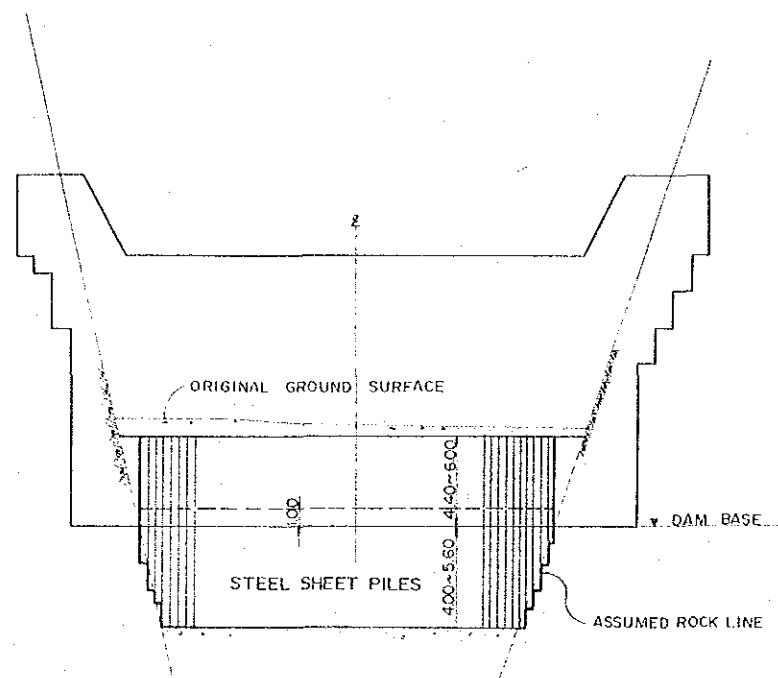
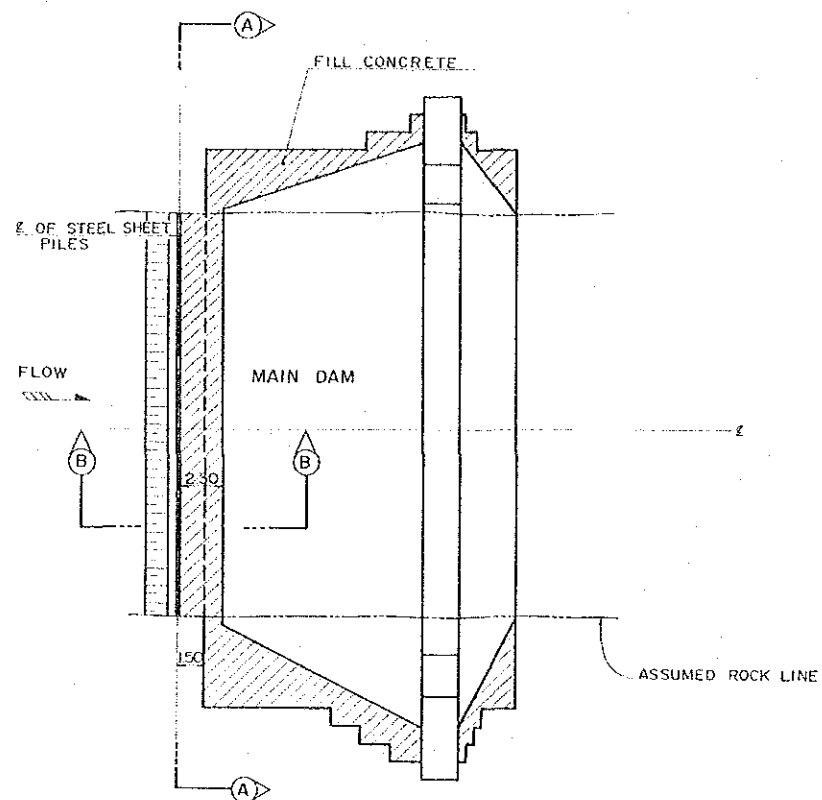
SECTION C - C  
SCALE 1:200



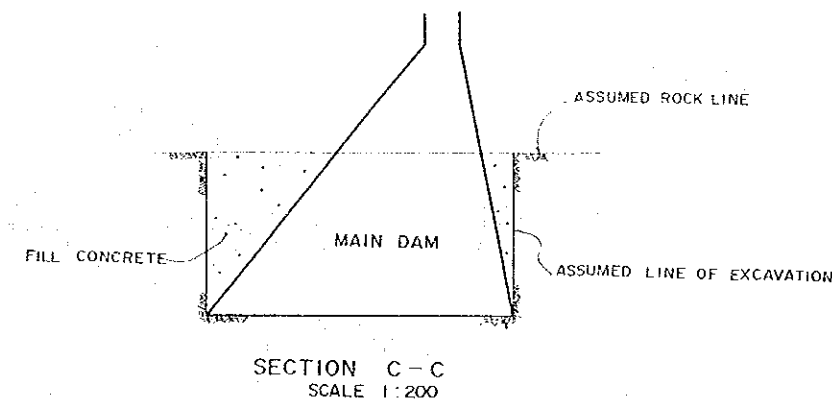
SECTION A - A  
SCALE 1:200

<b>DPWTC</b> TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES	
<b>PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES</b>	
CHECKED BY _____ DATE SEP. 30, 1978 DRAWING NO. <b>PPFS-209</b>	DESIGNED BY _____ SCALE As shown TITLE OF DRAWING <b>STRUCTURAL DETAILS OF NO. 4-E SABO DAM</b>
JAPAN INTERNATIONAL COOPERATION AGENCY	



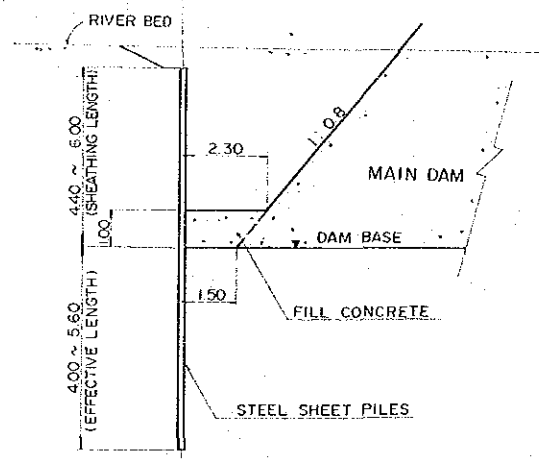


TYPICAL FOUNDATION TREATMENT PLAN AND SECTIONS



TYPICAL SECTION THRU FILL CONCRETE

NOTE:  
Fill with concrete to assumed rock line.



LIST OF STEEL SHEET PILE LENGTH

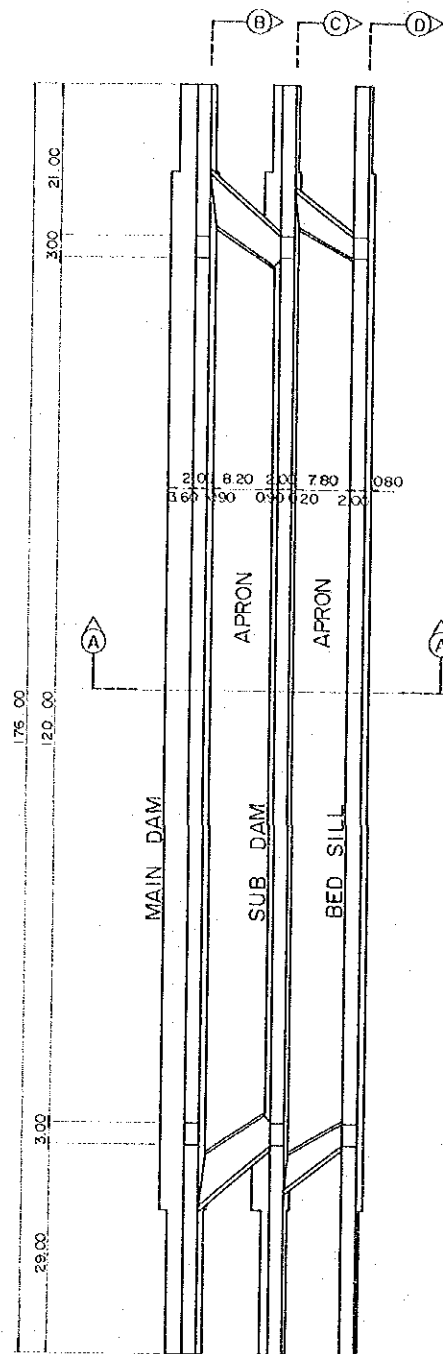
DAM NO.	EFFECTIVE LENGTH(m)	SHEATHING LENGTH(m)	TOTAL LENGTH(m)	REMARKS
NO 2-A	5.6	4.4	10.00	
2-B	4.0	6.0	10.00	
NO 3	4.0	6.0	10.00	
NO 4-A	4.0	6.0	10.00	
4-B	4.0	6.0	10.00	
4-C	4.0	6.0	10.00	
4-D	4.0	6.0	10.00	
4-E	4.0	6.0	10.00	
4-F	4.0	6.0	10.00	
NO 5	5.6	4.4	10.00	

<b>DPWTC</b>			
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES			
<b>PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES</b>			
CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE		TYPICAL FOUNDATION TREATMENT AND FILL CONCRETE
SEP. 30, 1978	As shown		
DRAWING NO.	PPFS-211		
JAPAN INTERNATIONAL COOPERATION AGENCY			

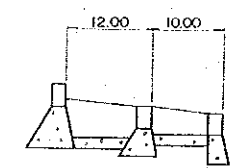




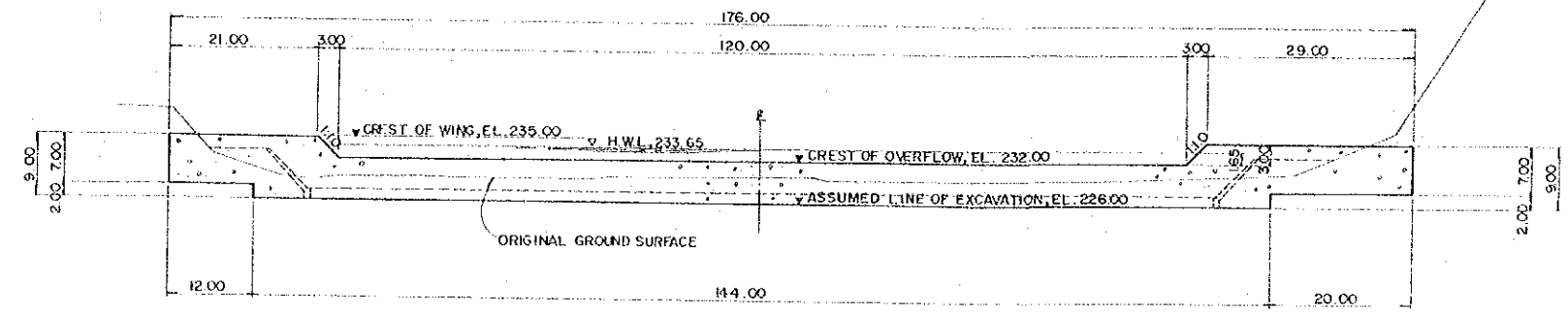




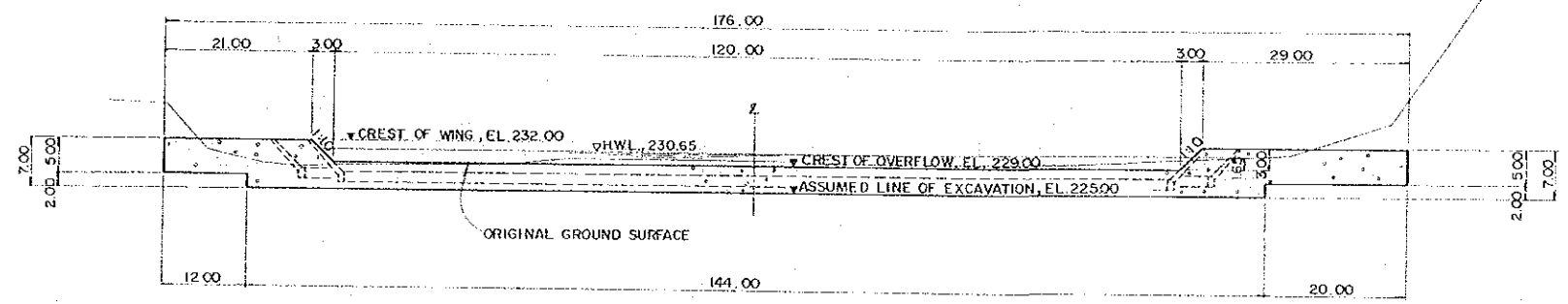
PLAN  
SCALE 1:500



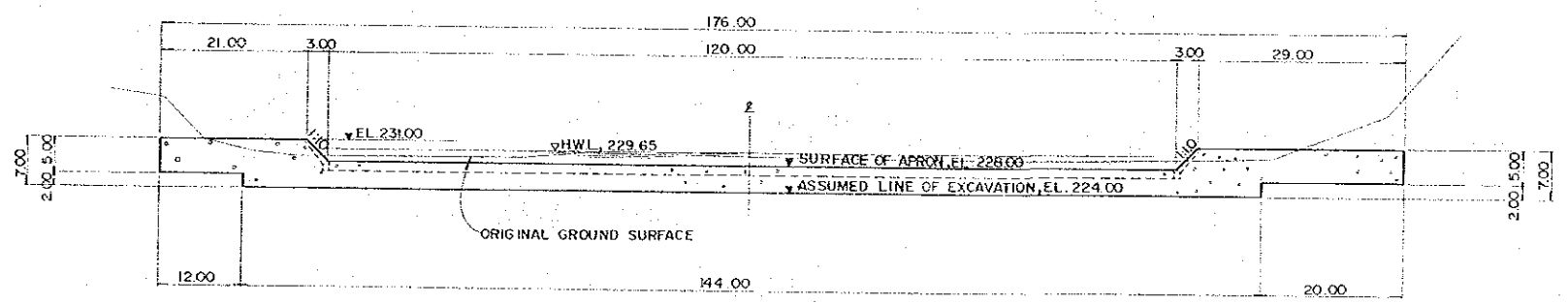
SECTION A-A  
SCALE 1:500



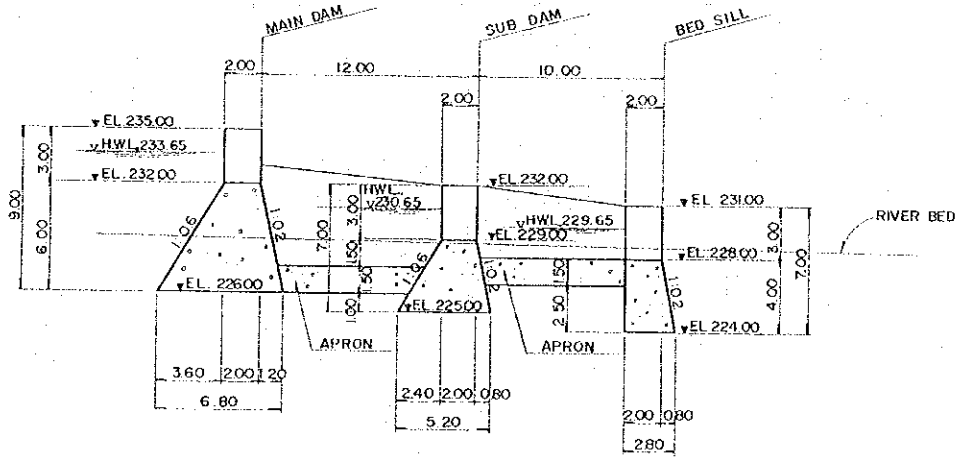
SECTION B-B  
SCALE 1:500



SECTION C-C  
SCALE 1:500

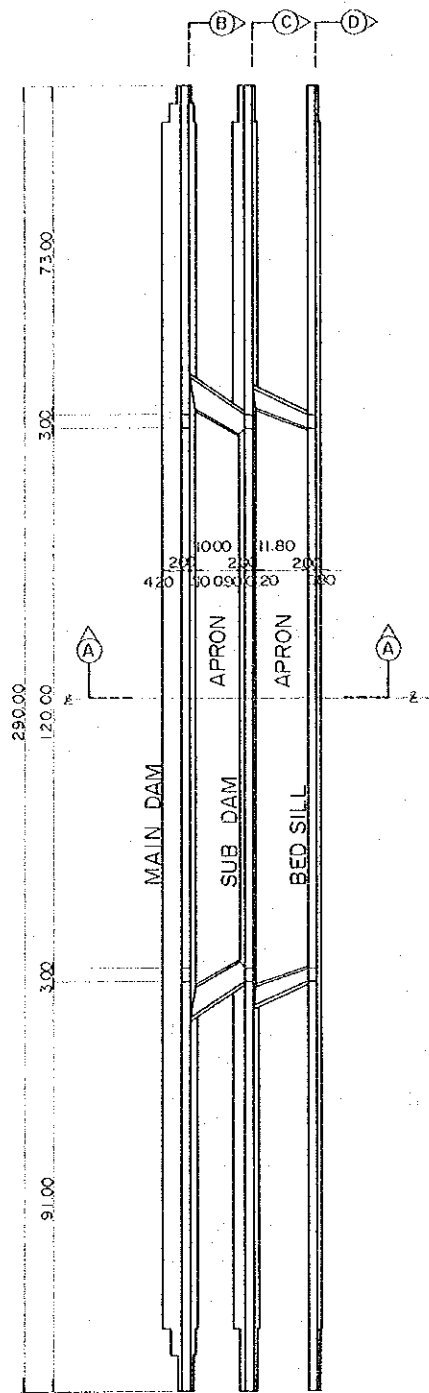


SECTION D-D  
SCALE 1:500



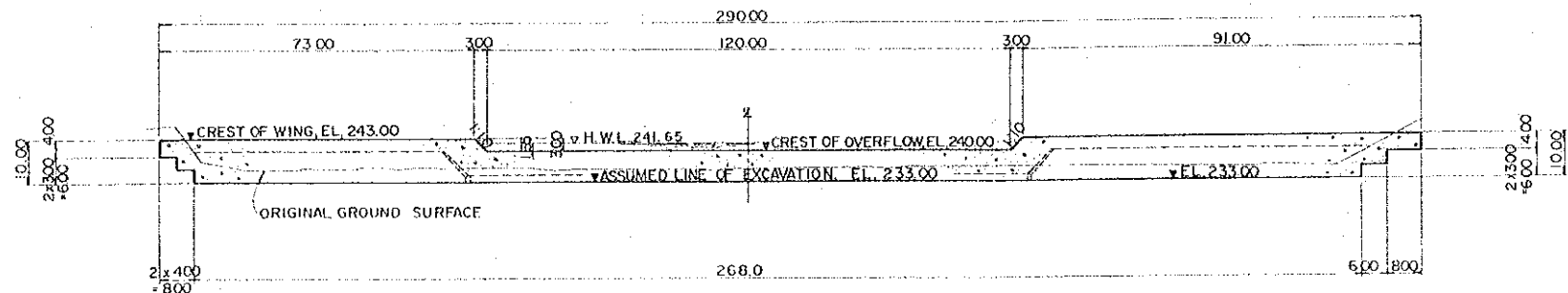
SECTION A-A  
SCALE 1:200

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	SCALE	As shown	STRUCTURAL DETAILS OF
SEP 30, 1978			NO.1-C CONSOLIDATION WORK
DRAWING NO.	PPFS-214		
JAPAN INTERNATIONAL COOPERATION AGENCY			

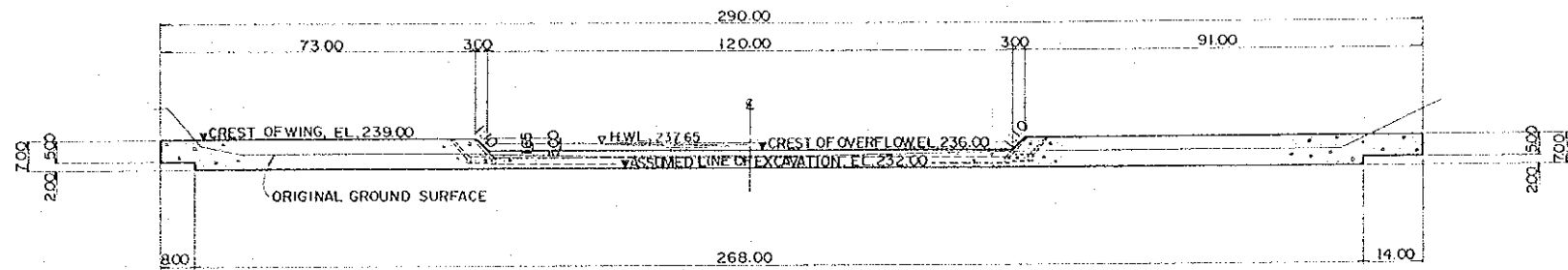


PLAN  
SCALE 1:800

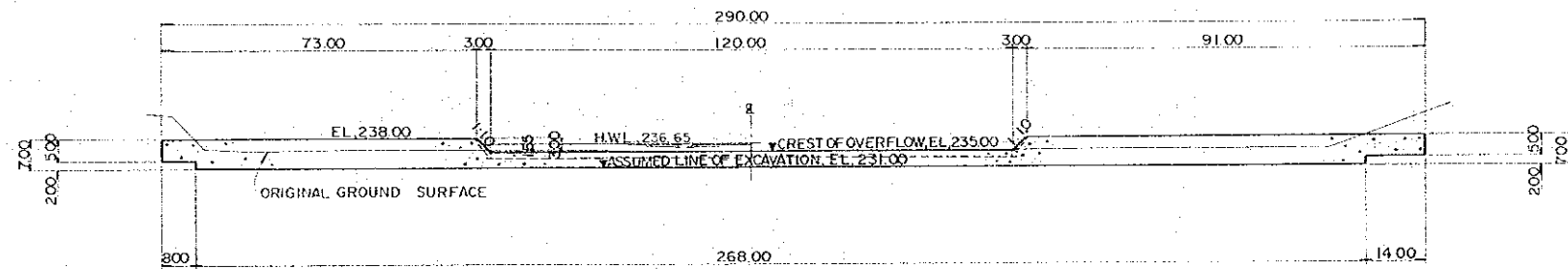
SECTION A-A  
SCALE 1:800



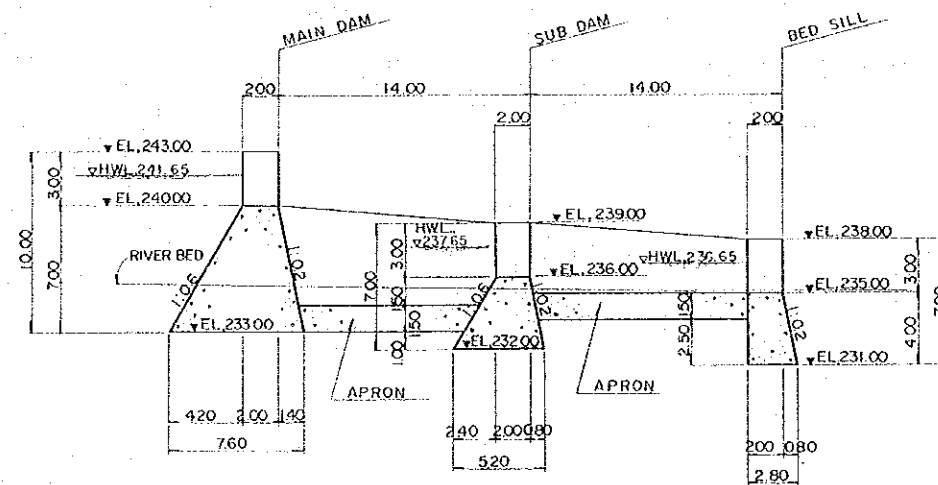
SECTION B-B  
SCALE 1:800



SECTION C-C  
SCALE 1:800

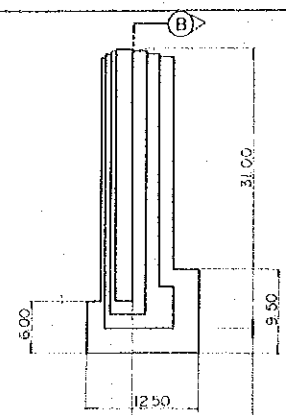


SECTION D-D  
SCALE 1:800

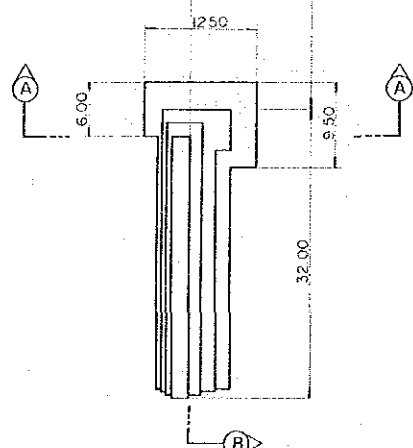


SECTION A-A  
SCALE 1:200

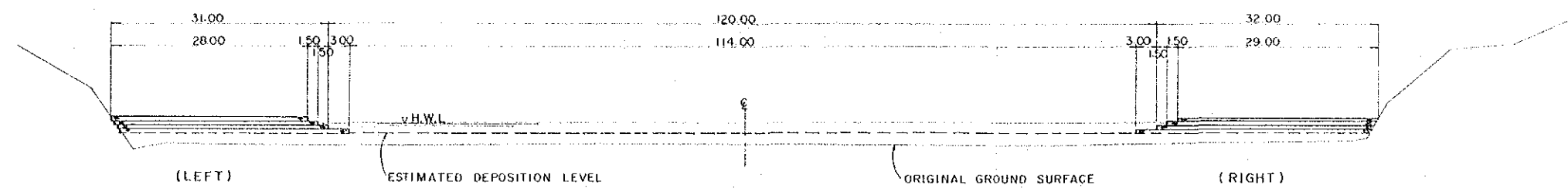
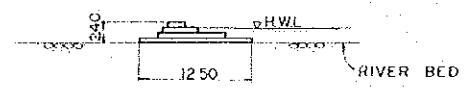
DPWTC	
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES	
PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT PHILIPPINES	
CHECKED BY: <i>[Signature]</i>	DRAWN BY: <i>[Signature]</i>
DATE: SEP 30, 1978	SCALE: As shown
DRAWING NO: PPFS-215	TITLE OF DRAWING: STRUCTURAL DETAILS OF NOI-D CONSOLIDATION WORK
JAPAN INTERNATIONAL COOPERATION AGENCY	



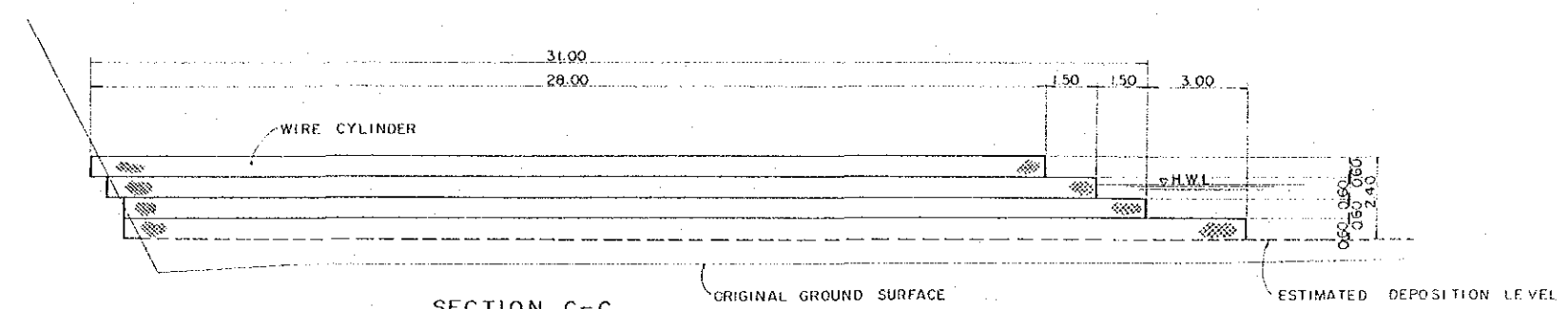
PLAN THRU GROUPE WORKS  
SCALE 1:400



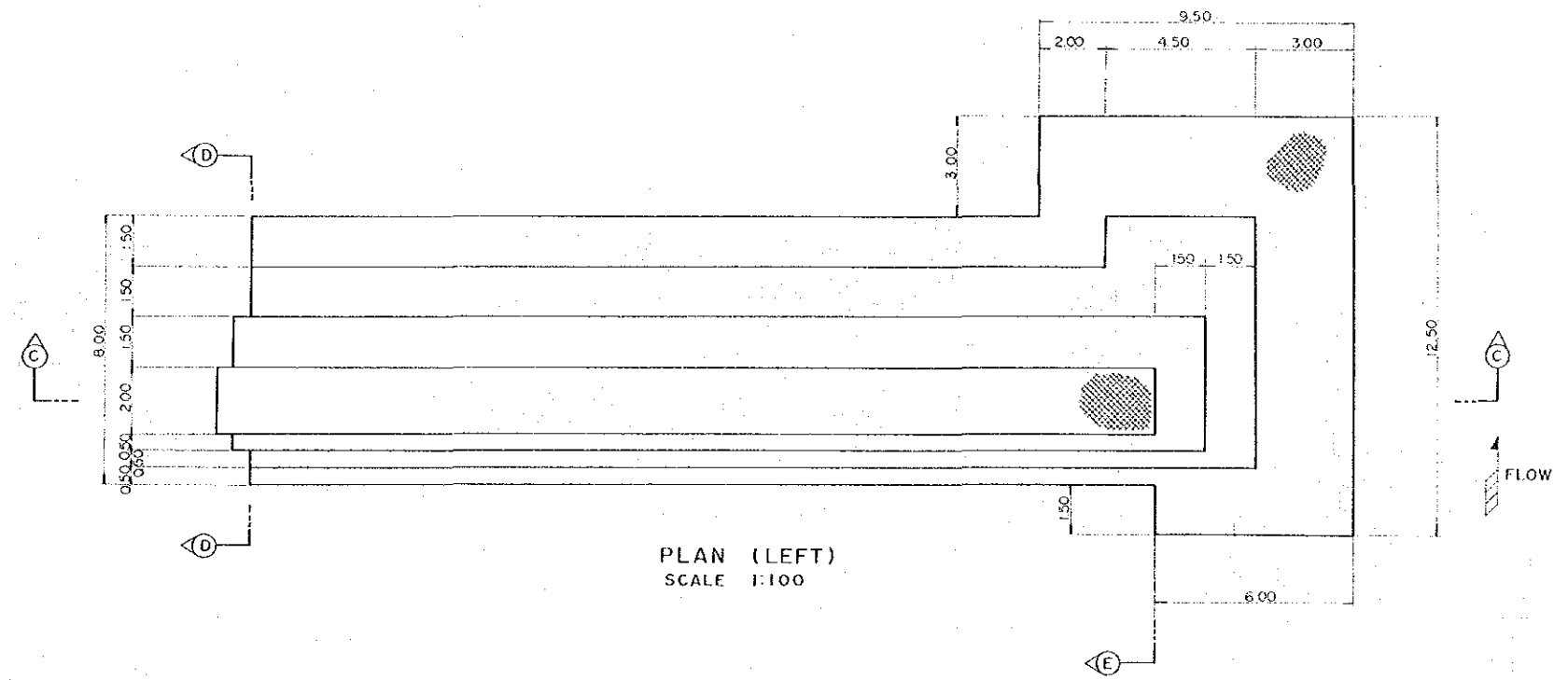
SECTION A-A  
SCALE 1:400



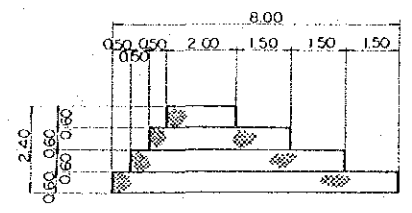
LONGITUDINAL SECTION THRU GROUPE WORKS  
(SECTION B-B)  
SCALE 1:400



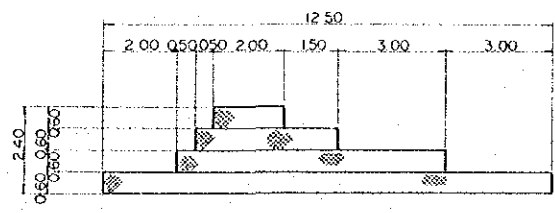
SECTION C-C  
SCALE 1:100



PLAN (LEFT)  
SCALE 1:100



SECTION D-D  
SCALE 1:100



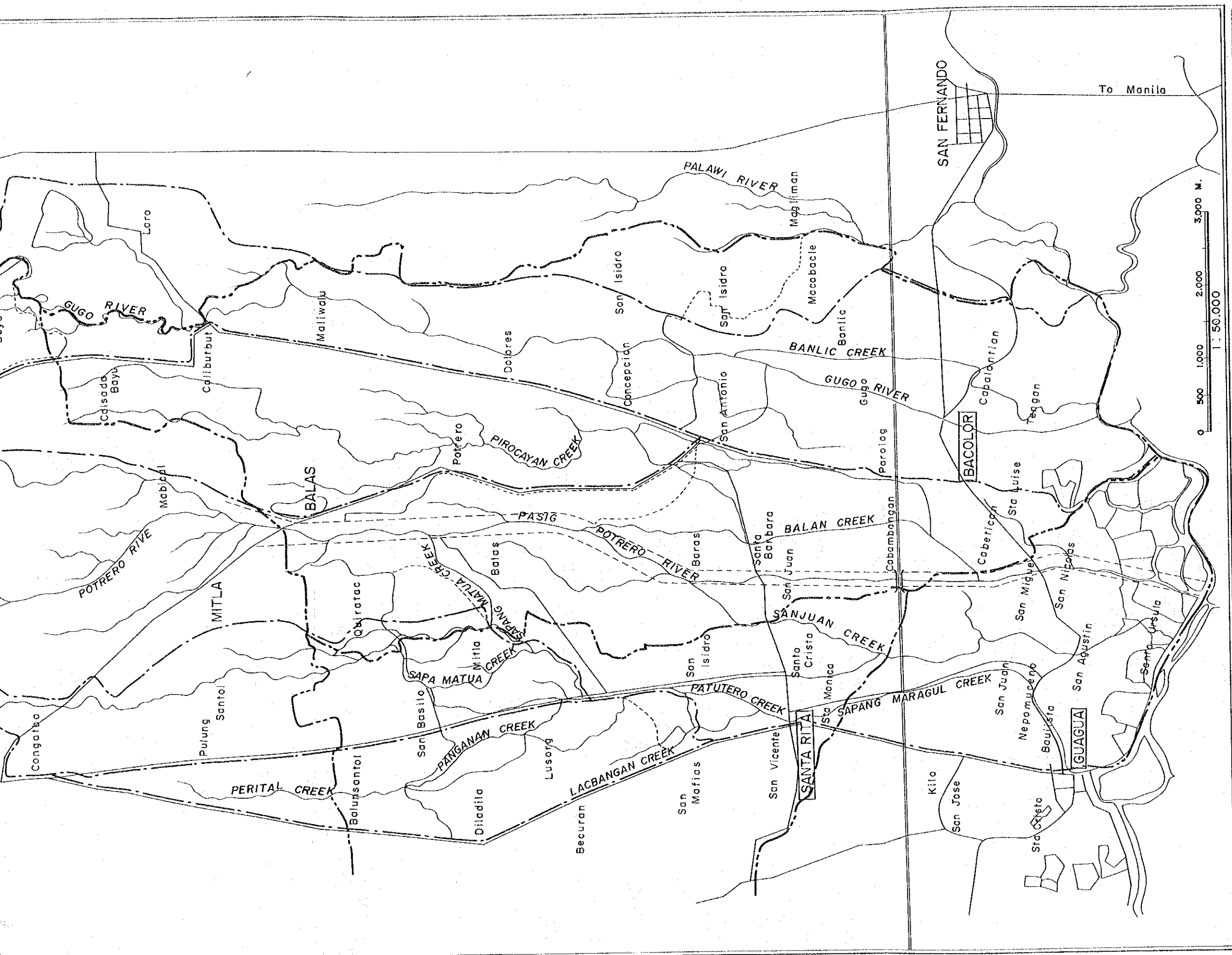
SECTION E-E  
SCALE 1:100

DETAILS OF GROUPE WORK (LEFT BANK)

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	SCALE	As shown	STRUCTURAL DETAILS OF
SEP 30, 1978			GROUPE WORKS
DRAWING NO.	PPFS-216		
JAPAN INTERNATIONAL COOPERATION AGENCY			

# AGRICULTURE





To Manila

3,000 M.  
2,000  
1,000  
0 500 1,000 2,000 3,000 M.  
1:50,000

Mapping Symbol

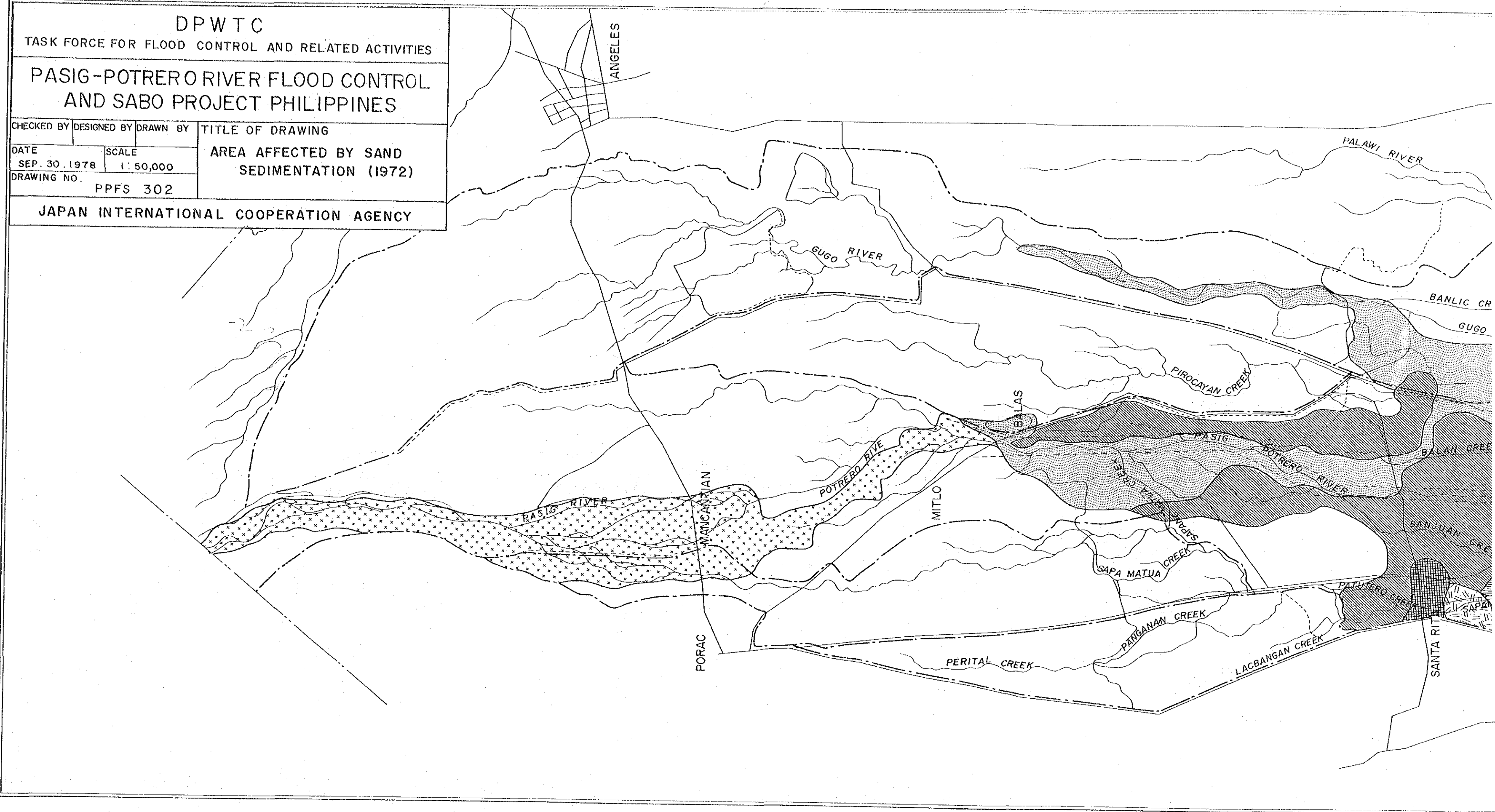
- Administrative boundary (Municipality)
- Capital of Municipality

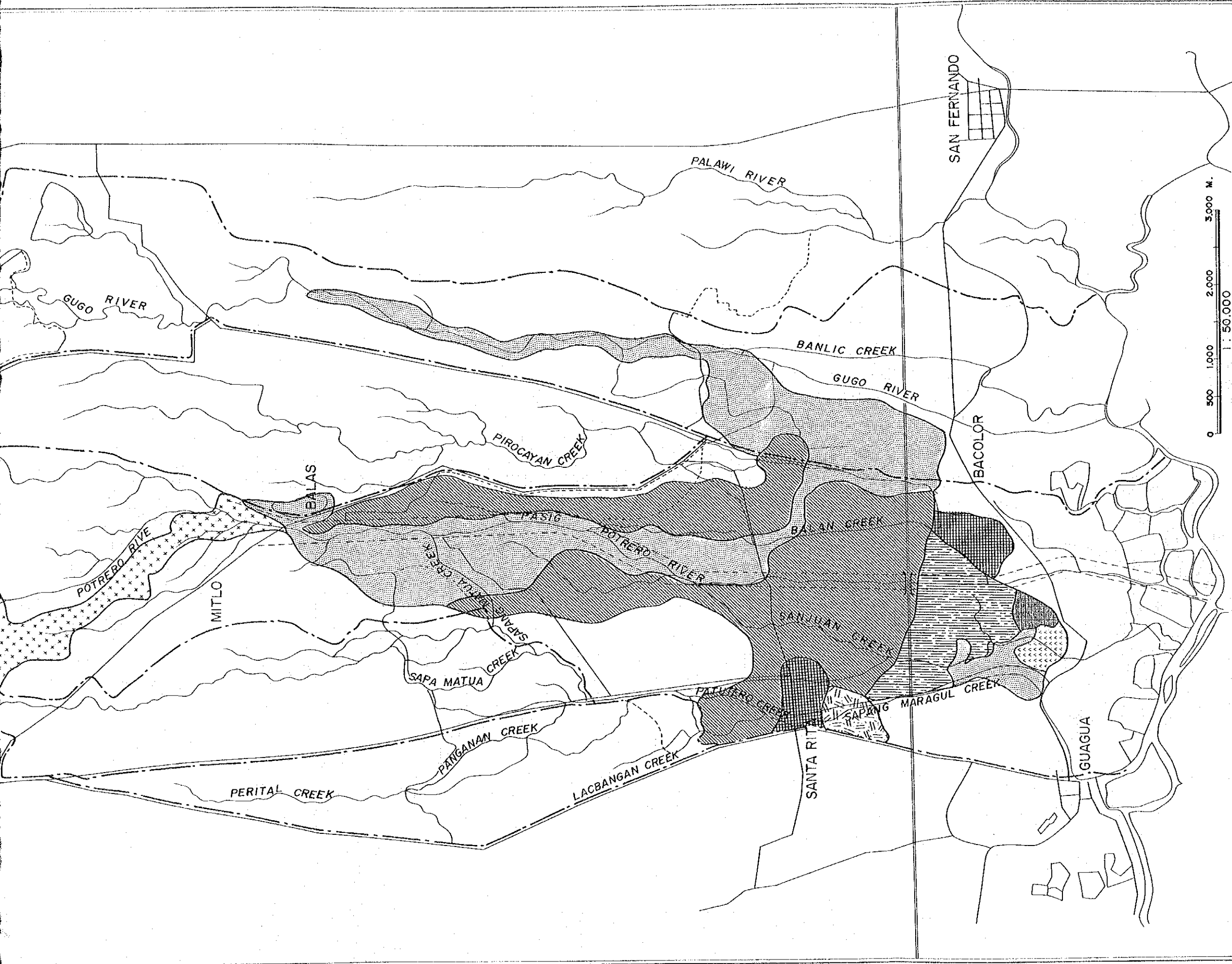
DPWTC  
 TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES

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		AREA AFFECTED BY SAND SEDIMENTATION (1972)
DRAWING NO. PPFS 302			

JAPAN INTERNATIONAL COOPERATION AGENCY





Area Affected by Sand Sedimentation (1972)

Mapping Symbol	Area Affected (ha)	Land Category	Texture	Sedimentation Depth (cm)
[Symbol: stars]	1,530	River-wash (Rwg)	coarse sand with gravel	more than 50 cm
[Symbol: horizontal lines]	1,060	Paddy field (PwB4)	coarse sand	more than 50 cm
[Symbol: diagonal lines /]	1,330	Paddy field (CbB4)	medium to fine sand	20 to 50 cm
[Symbol: vertical lines]	160	Paddy field (QgvB2)	silty loam to coarse loam	20 to 50 cm
[Symbol: diagonal lines \]	60	Paddy field (LpB2)	fine sand	50 to 100 cm
[Symbol: horizontal lines]	230	Paddy field (CbA4)	fine sandy loam	50 to 100 cm
[Symbol: vertical lines]	30	Paddy field (CbD4)	fine loam to silty loam	20 to 50 cm
[Symbol: stars]	40	Paddy field (SmsD4)	fine sandy loam to loam	20 to 50 cm

4,440 ha in total

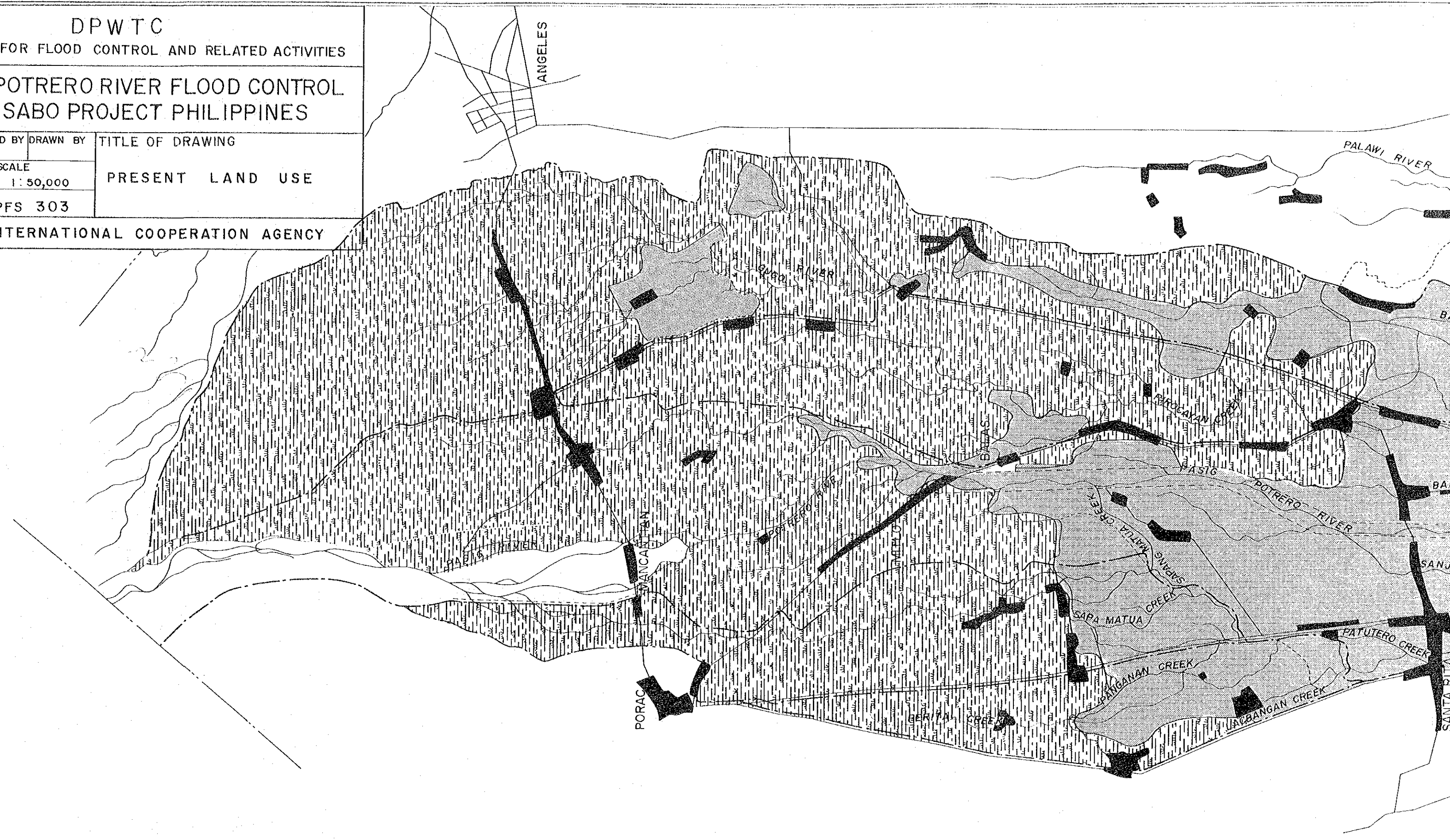


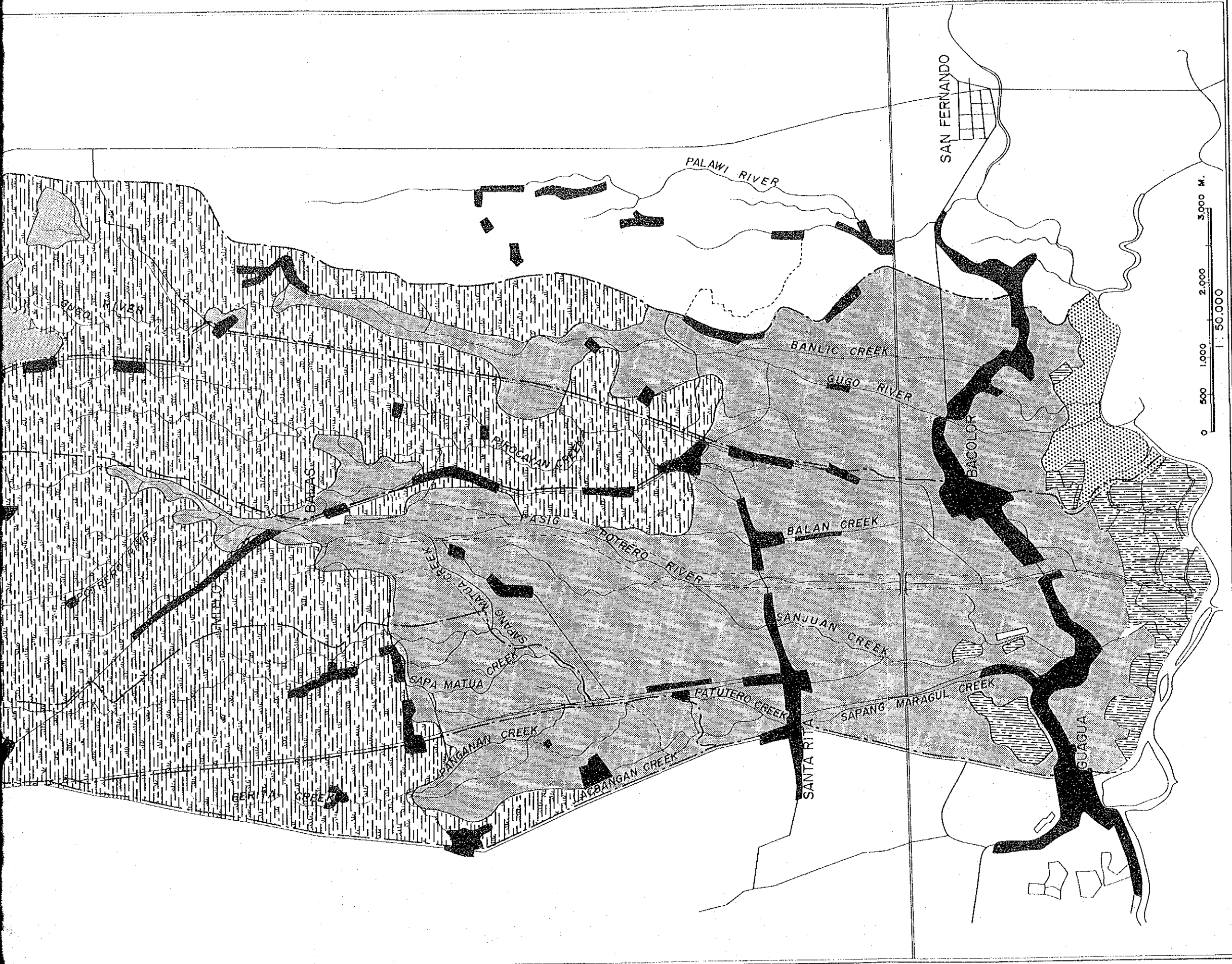
DPWTC  
 TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES


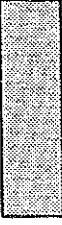




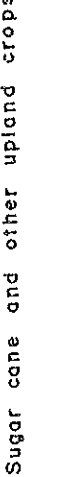
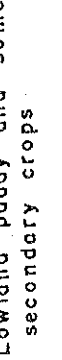


PASIG-POTRERO RIVER FLOOD CONTROL  
 AND SABO PROJECT PHILIPPINES

CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE		PRESENT LAND USE
SEP. 30. 1978	1: 50,000		
DRAWING NO. PPFS 303			

JAPAN INTERNATIONAL COOPERATION AGENCY





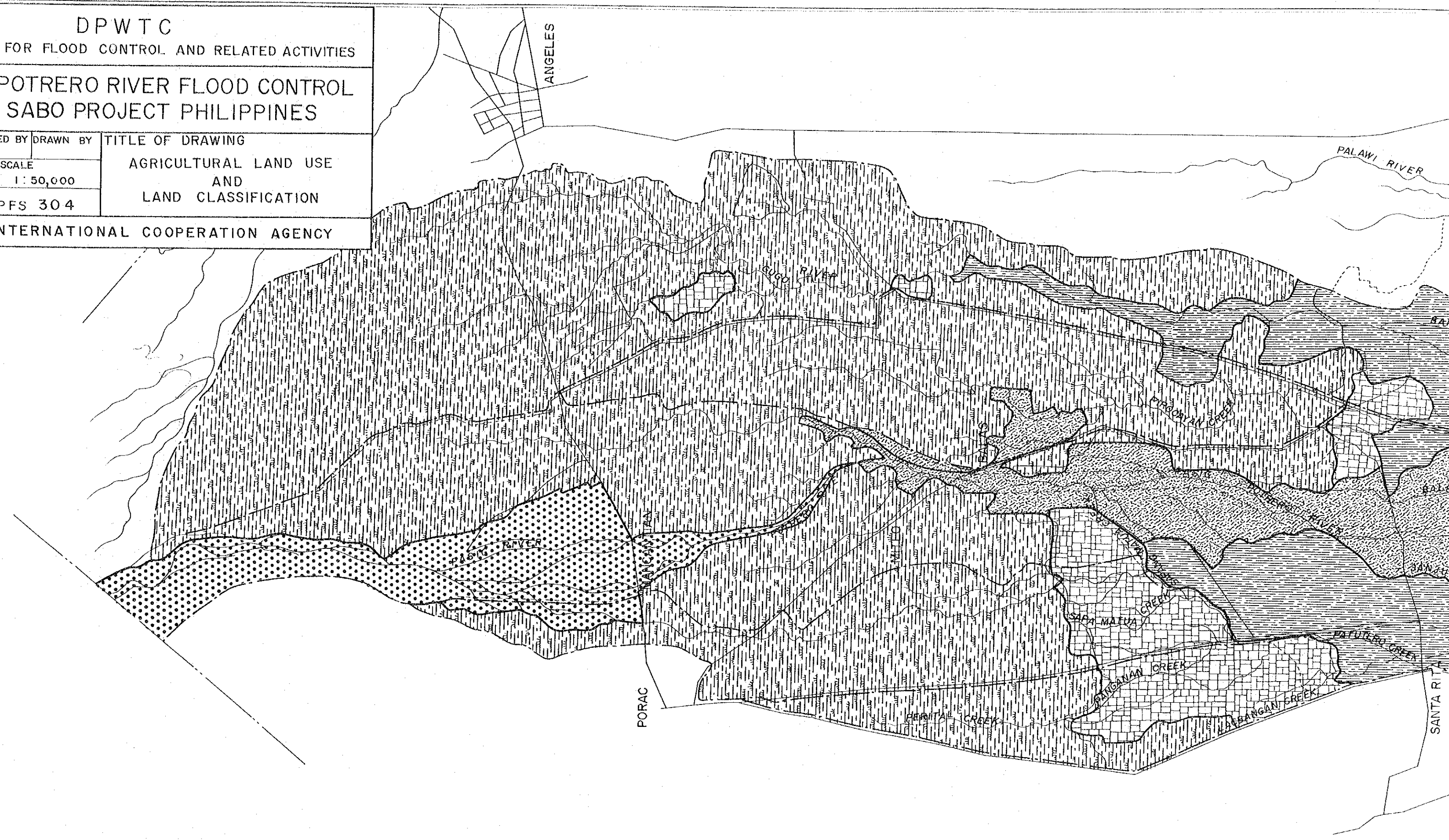
PRESENT LAND USE	
Mapping symbol	Description
	Upland field
	Paddy field
	Fish pond
	Swamp
	River wash
	Villages and house yards
	Sugar cane and other upland crops
	Lowland paddy and some secondary crops
	Nipa and mangrove swamp
	Some fruits and vegetables

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	SCALE		AGRICULTURAL LAND USE AND LAND CLASSIFICATION
SEP. 30. 1978	1: 50,000		
DRAWING NO.			
PPFS 304			

JAPAN INTERNATIONAL COOPERATION AGENCY





**AGRICULTURAL LAND USE AND LAND CLASSIFICATION**

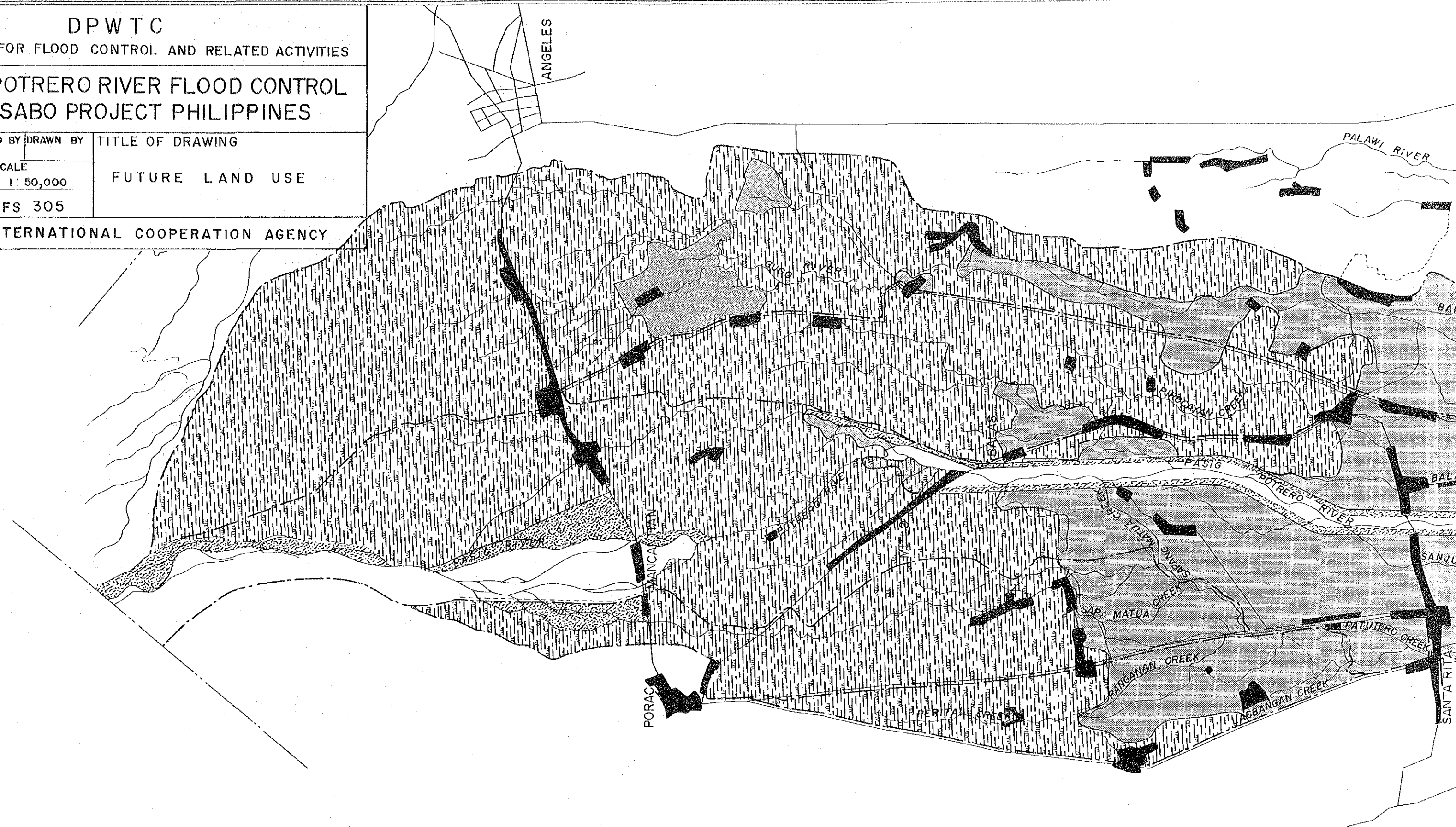
MAPPING SYMBOL	LAND CLASSIFICATION	LAND CATEGORY	AGRICULTURAL CONSTRAINTS	FLOODING & SAND - SEDIMENT	EXTENT AREA (Gross) (ha)
	Agricultural Block I.	Upland field	Sheer erosion by heavy rain, no-irrigation water source	Non - flooding	8,670
	Agricultural Block II.	Paddy field	Non - constraints	Non - flooding	930
	Agricultural Block III.	Paddy field	Flood hazard and less irrigation facilities	Frequent occurrence of seasonal flooding	2,420
	Agricultural Block IV.	Paddy field & fish - pond	Deep flood hazard	Frequent occurrence of seasonal flooding	1,250
	Agricultural Block V.	Paddy field	Flood and sand - sedimentation hazard	Frequent occurrence of seasonal flooding & sand - sedimentation	1,570
	Agricultural Block VI.	Waste land & river bed	Sheet erosions & flood hazard	Frequent flooding	900
<b>Total</b>					<b>15,740 ha</b>

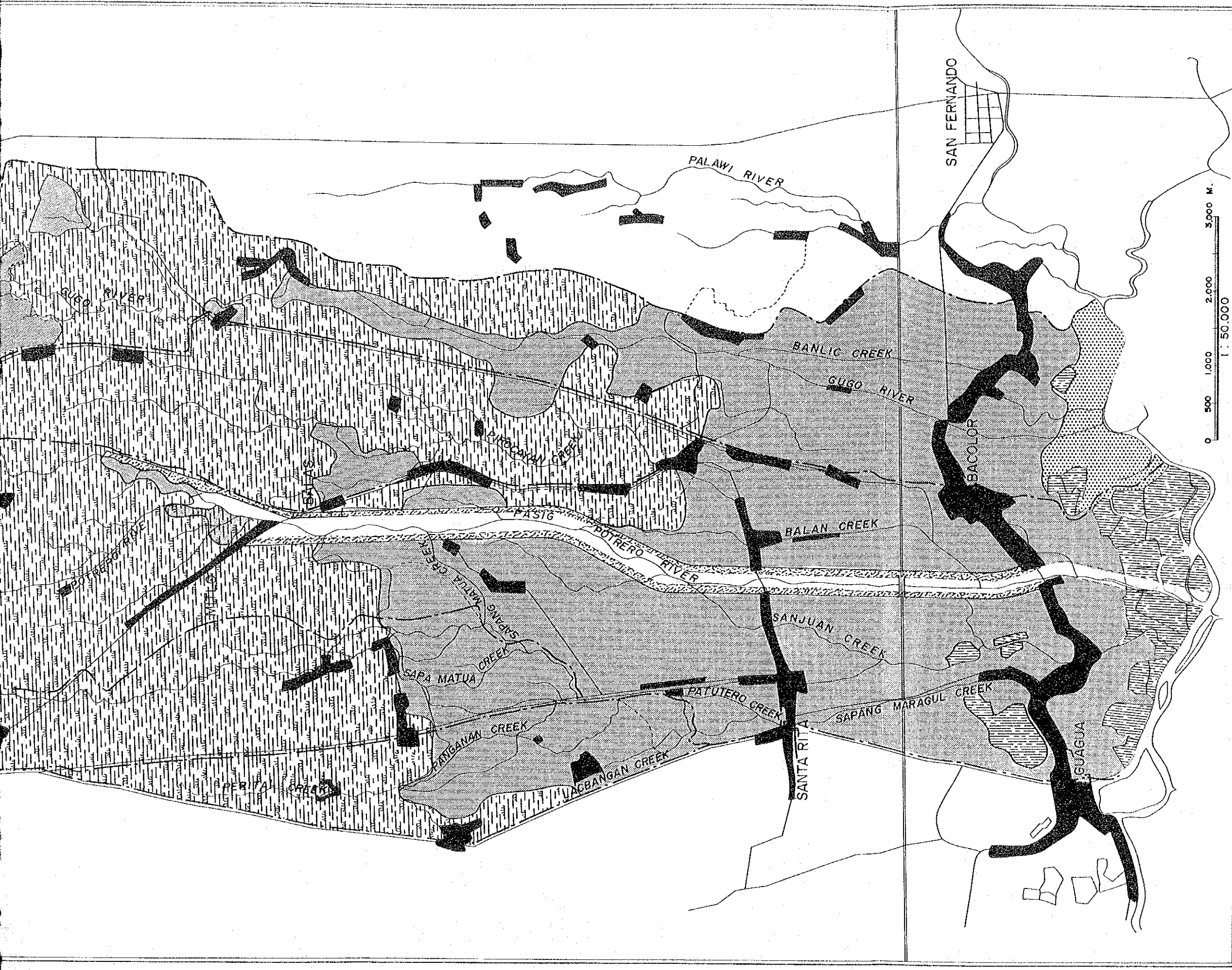
**DPWTC**  
 TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES


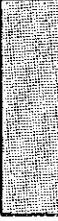





**PASIG-POTRERO RIVER FLOOD CONTROL  
 AND SABO PROJECT PHILIPPINES**

CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE		<b>FUTURE LAND USE</b>
SEP. 30. 1978	1: 50,000		
DRAWING NO.			
PPFS 305			

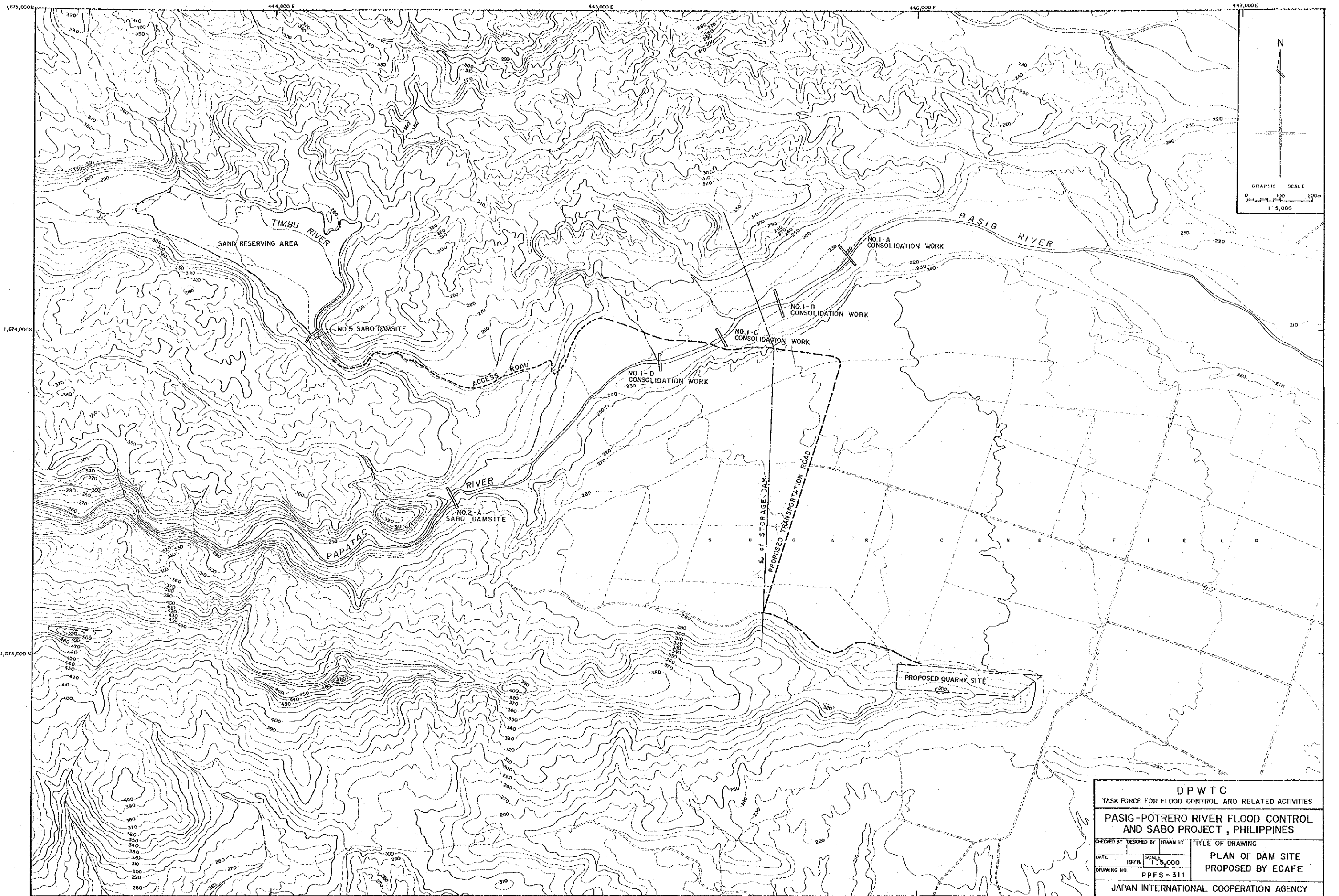
**JAPAN INTERNATIONAL COOPERATION AGENCY**





FUTURE LAND USE		
Mapping Symbol	Land Use	Description
	Upland field	Sugar cane and other upland crops will be grown under rain fed condition
	Poddy field	Lowland paddy and secondary crops will be grown under irrigated condition
	Fish pond	—
	Swamp	Nipa and mangrove swamp
	Forest growth	Forestration is proposed for protection of river structures and embankment
	River bed	—
	Village and house yard	Area will be also used for some fruits and vegetable production

**DAM**



<b>DPWTC</b>			
TASK FORCE FOR FLOOD CONTROL AND RELATED ACTIVITIES			
<b>PASIG-POTRERO RIVER FLOOD CONTROL AND SABO PROJECT, PHILIPPINES</b>			
CHECKED BY	DESIGNED BY	DRAWN BY	TITLE OF DRAWING
DATE	SCALE		<b>PLAN OF DAM SITE PROPOSED BY ECAFE</b>
DRAWING NO.			
PPFS-311			JAPAN INTERNATIONAL COOPERATION AGENCY



JICA