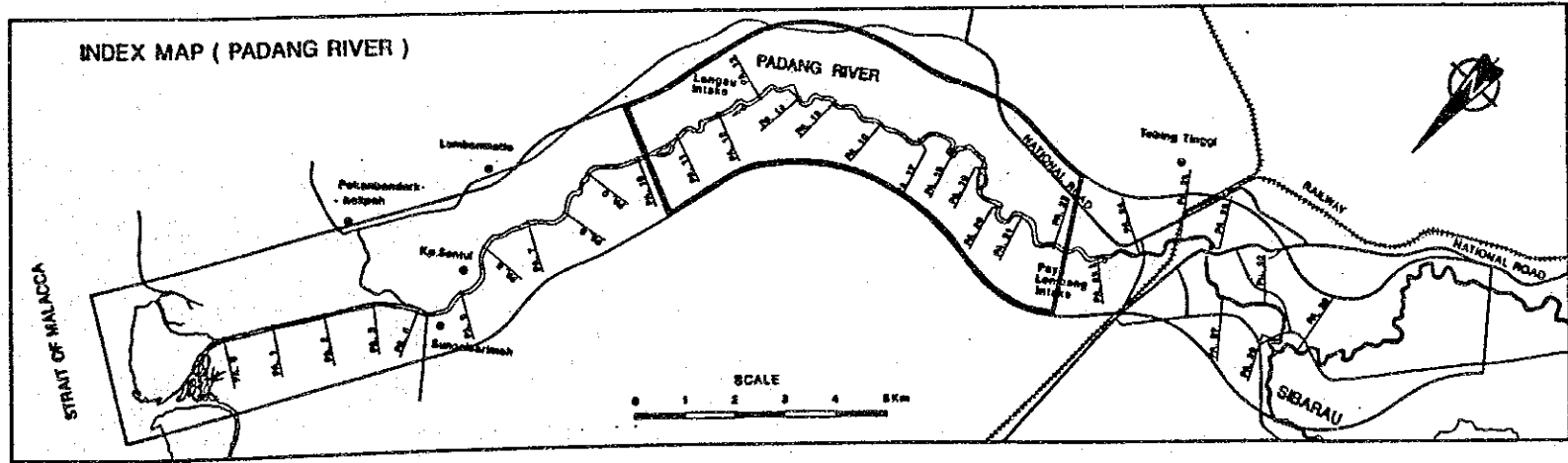
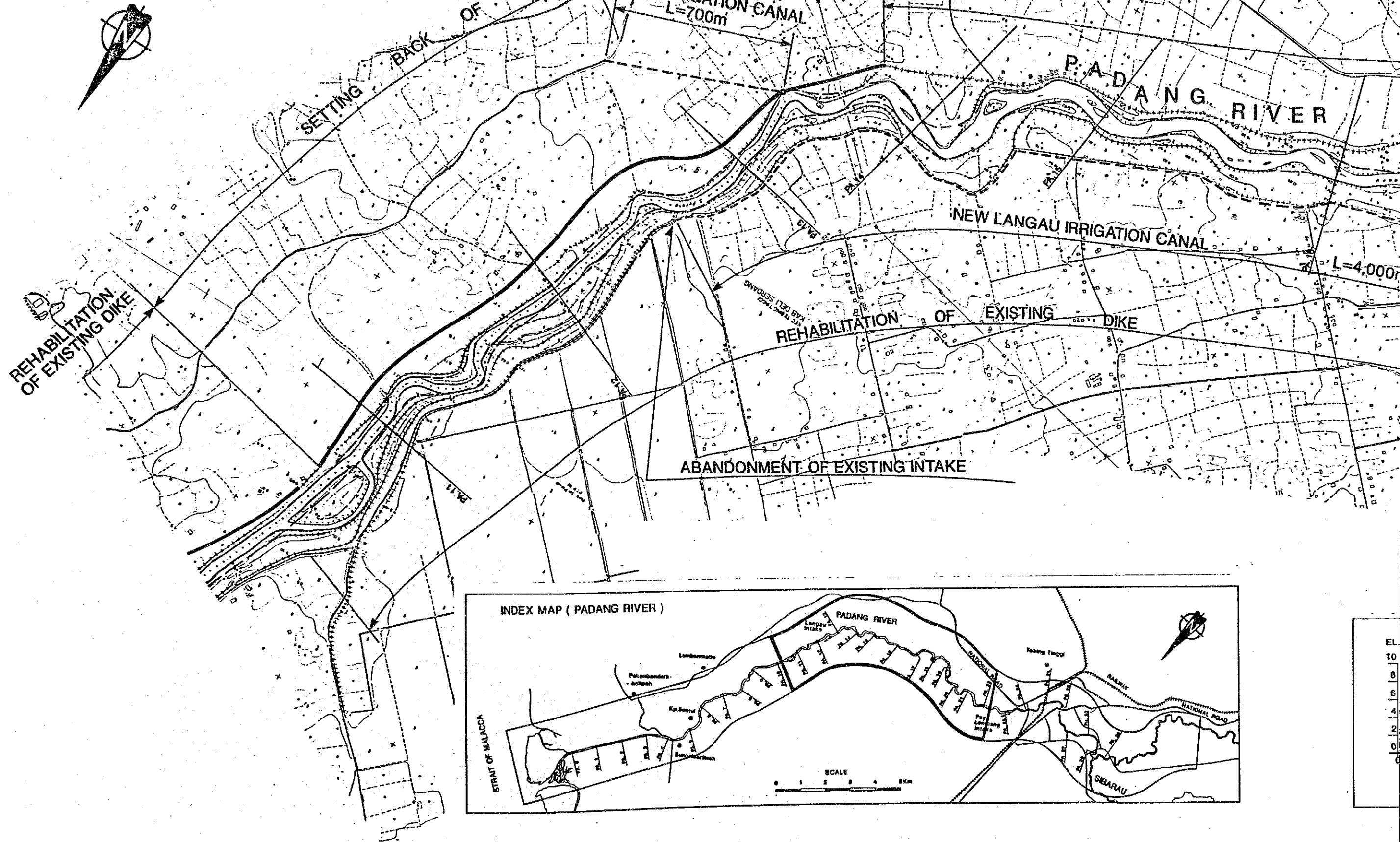
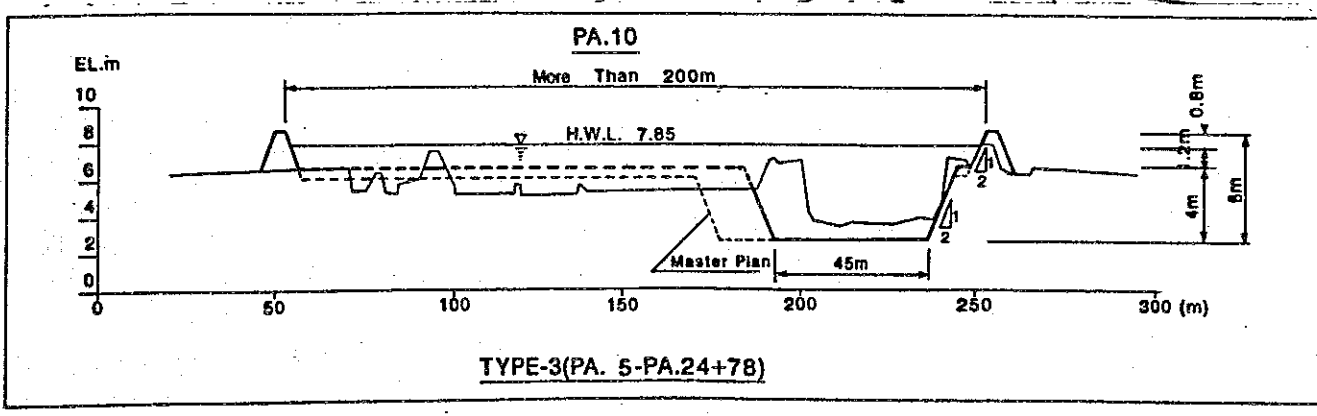
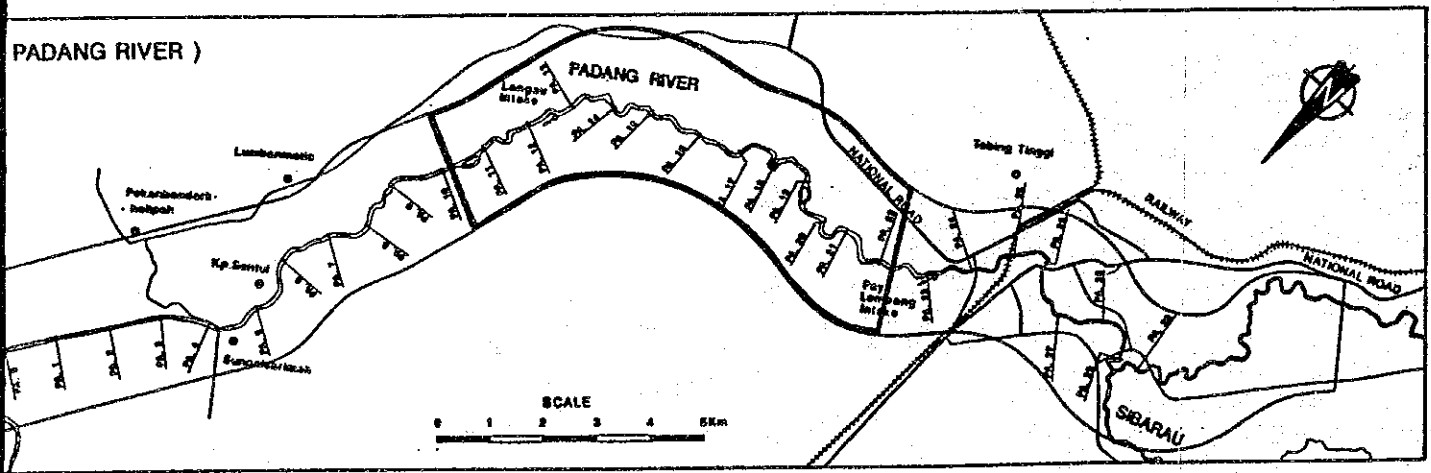
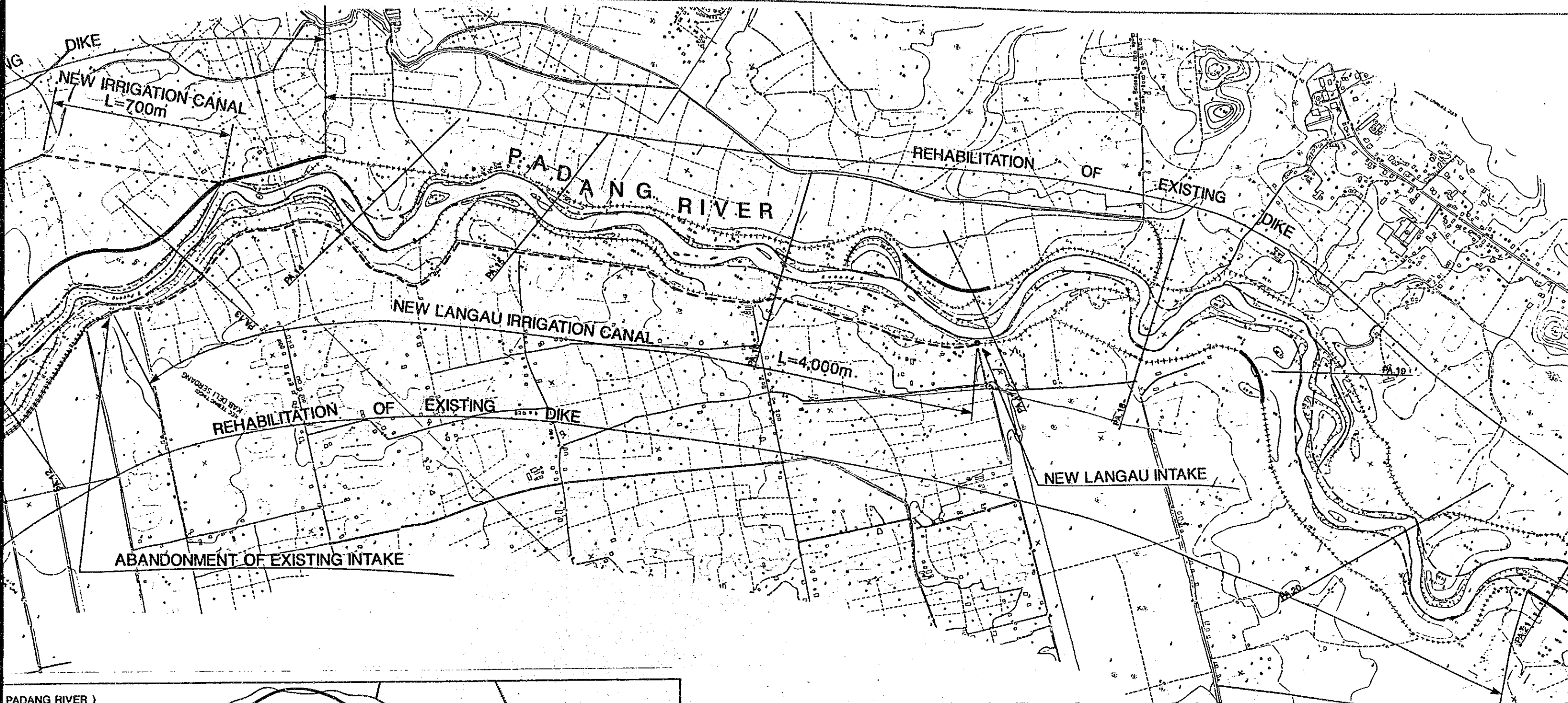


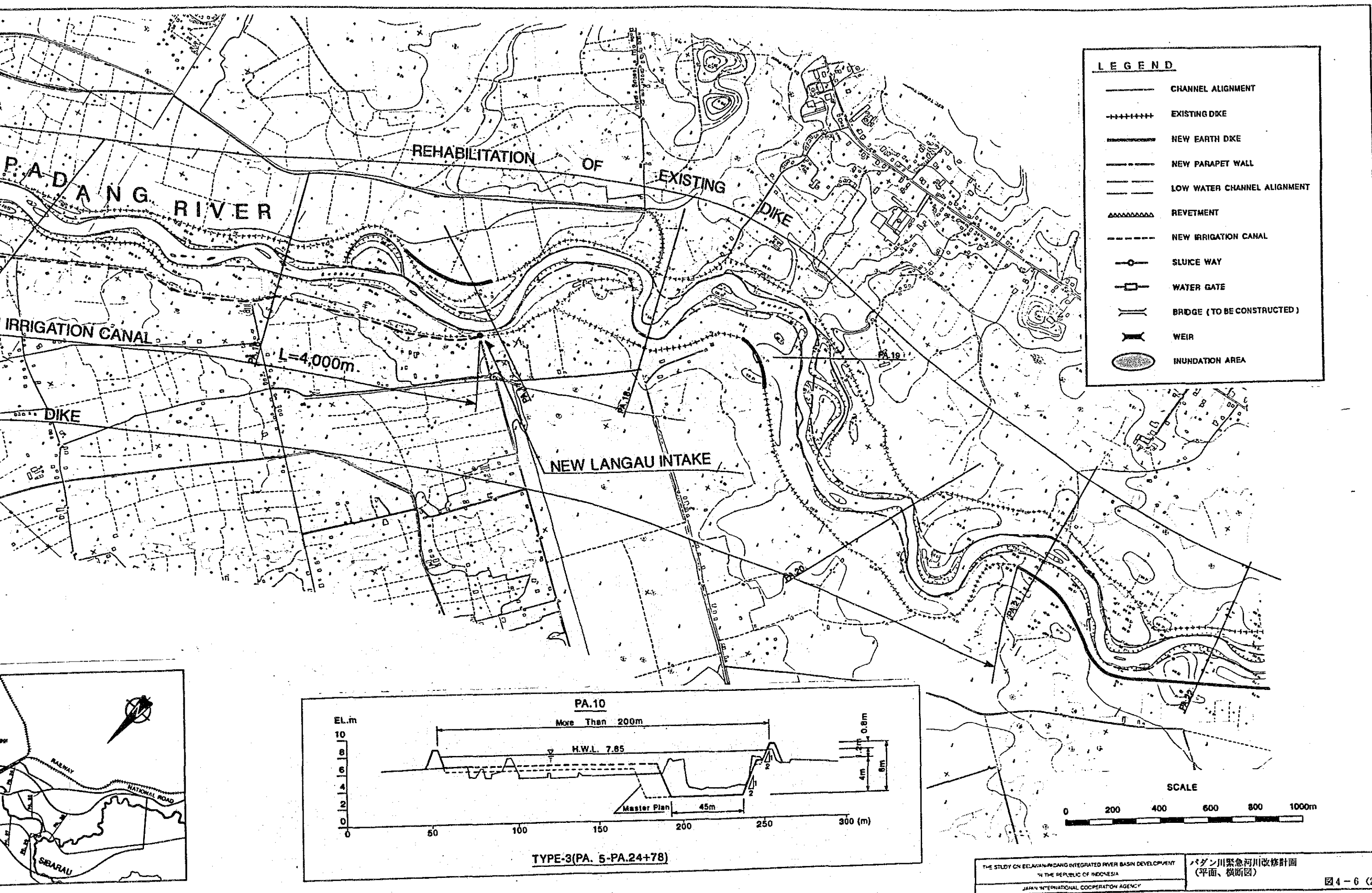
LEGEND

	CHANNEL ALIGNMENT
	EXISTING DIKE
	NEW EARTH DIKE
	NEW PARAPET WALL
	LOW WATER CHANNEL ALIGNMENT
	REVETMENT
	NEW IRRIGATION CANAL
	SLUICE WAY
	WATER GATE
	BRIDGE (TO BE CONSTRUCTED)
	WEIR
	INUNDATION AREA



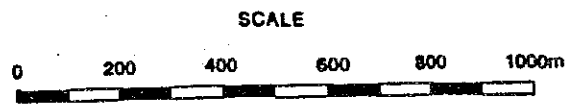
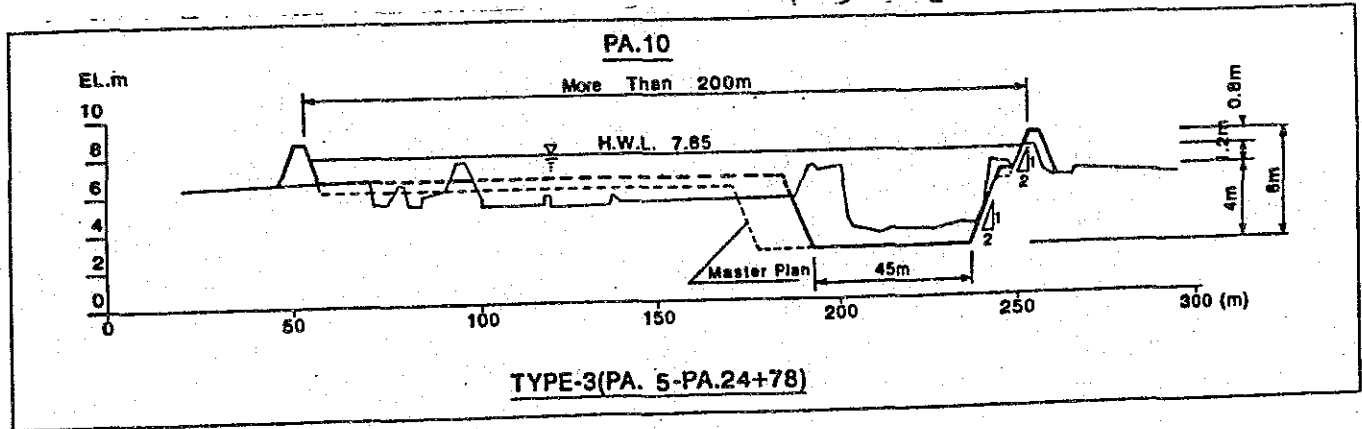
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LEGEND

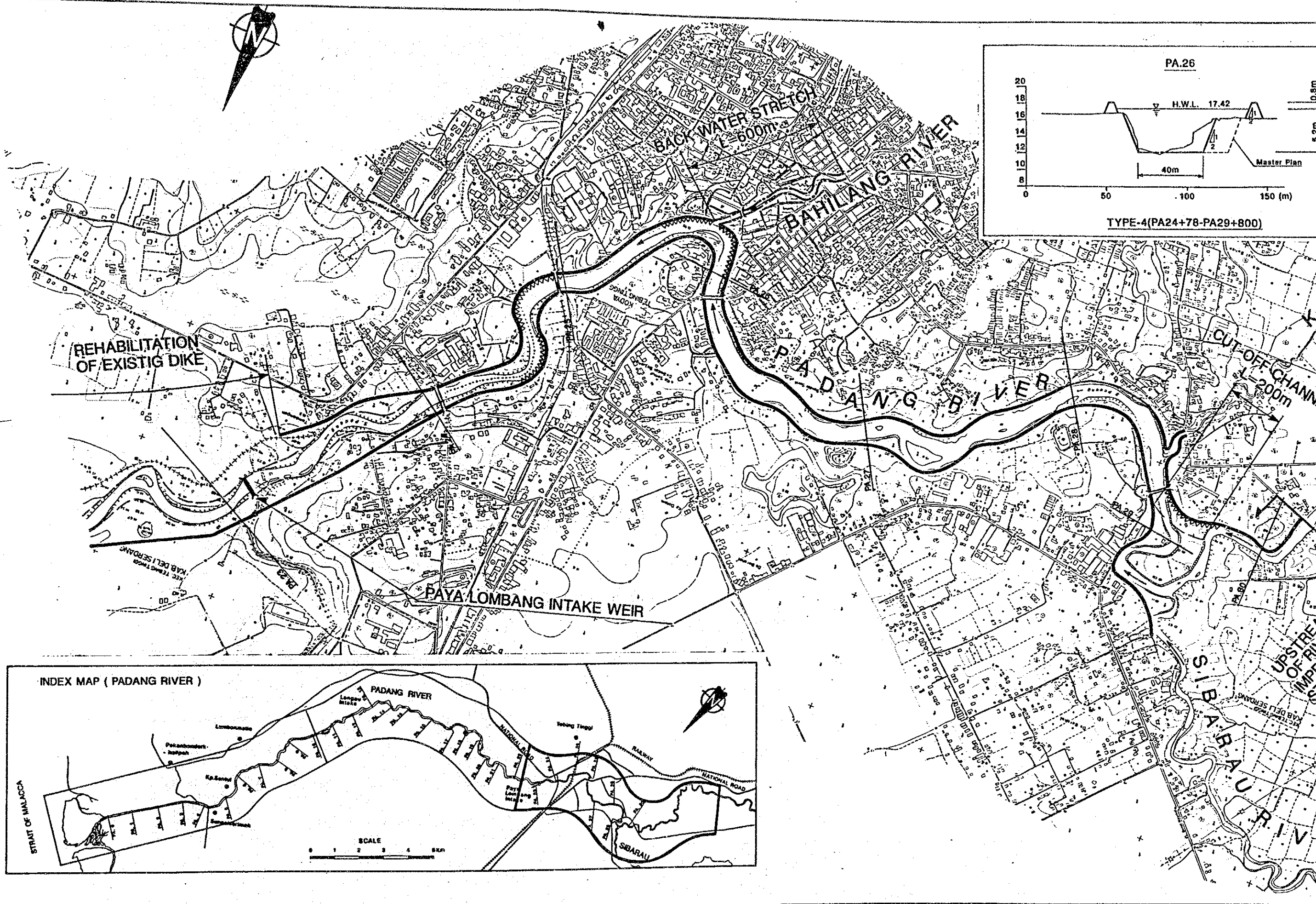
- CHANNEL ALIGNMENT
- +++++ EXISTING DIKE
- NEW EARTH DIKE
- NEW PARAPET WALL
- LOW WATER CHANNEL ALIGNMENT
- ▲▲▲▲▲ REVETMENT
- NEW IRRIGATION CANAL
- SLUICE WAY
- WATER GATE
- || BRIDGE (TO BE CONSTRUCTED)
- ≡ WEIR
- INUNDATION AREA

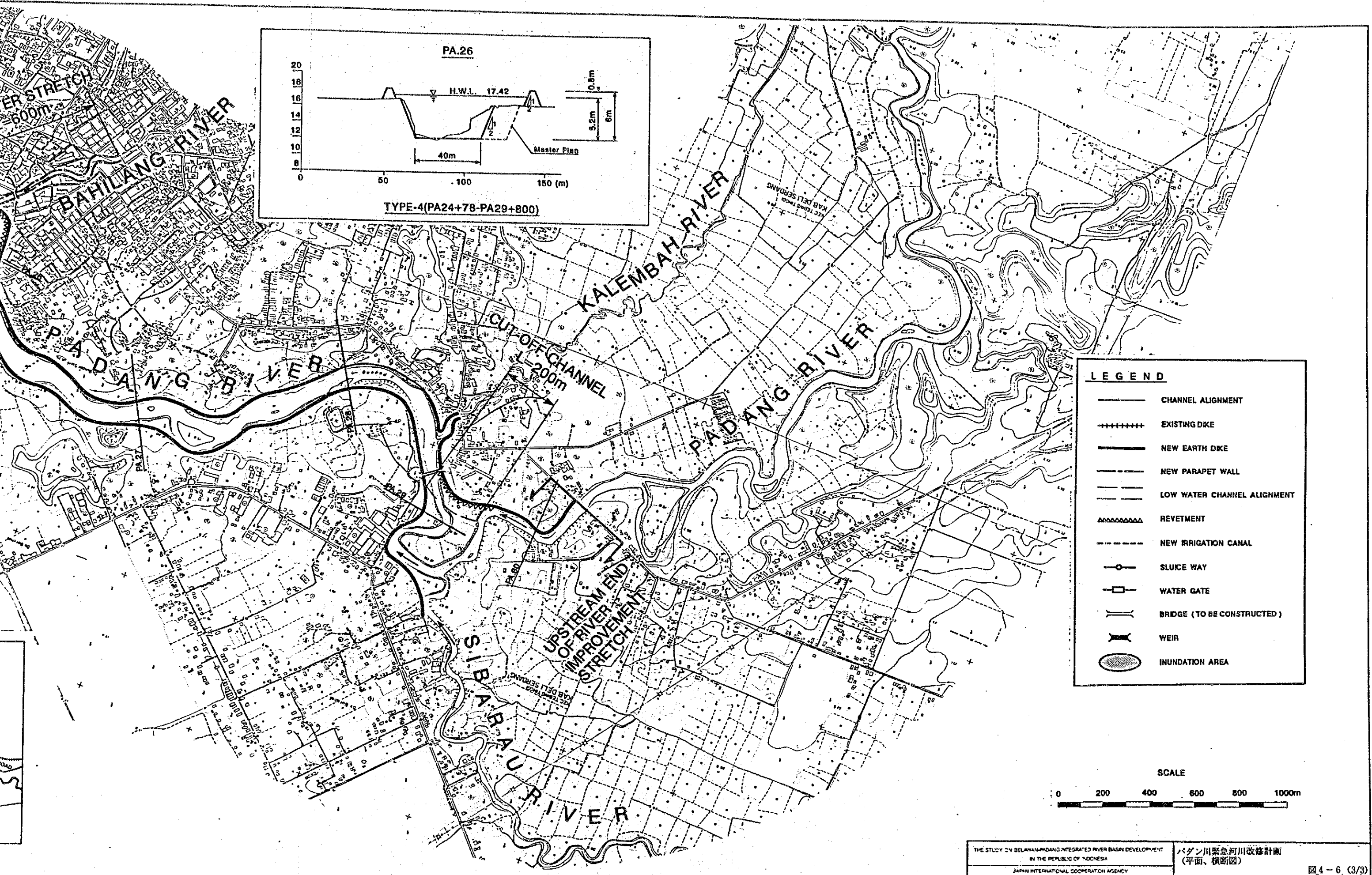


THE STUDY ON BELAGAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY

パダン川緊急河川改修計画
(平面、横断面図)

図 4 - 6 (2/3)

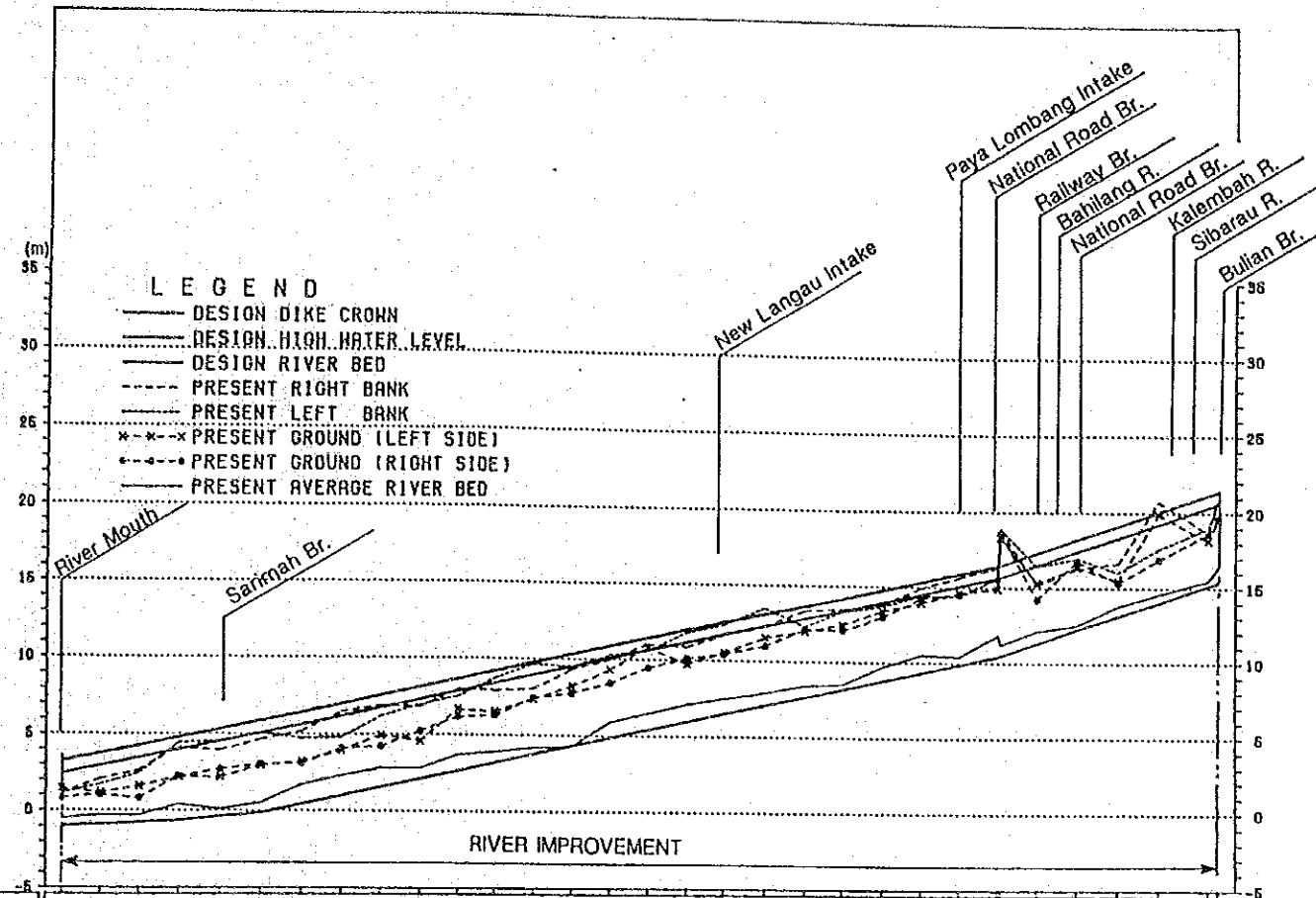




THE STUDY ON BELAHANGANG INTEGRATED RIVER BASIN DEVELOPMENT
 IN THE REPUBLIC OF INDONESIA
 JAPAN INTERNATIONAL COOPERATION AGENCY

パダン川緊急河川改修計画
 (平面、横断面図)

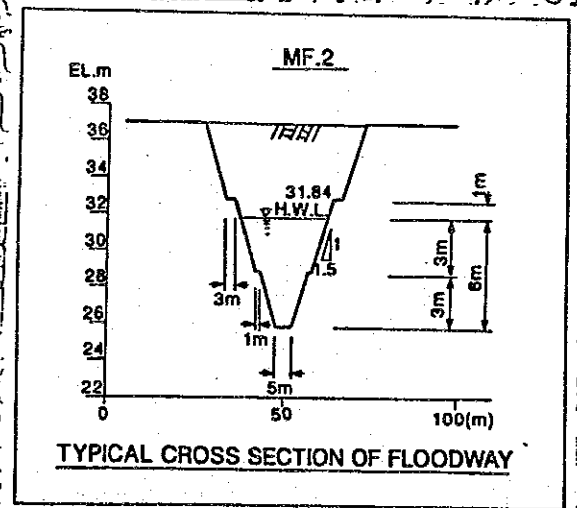
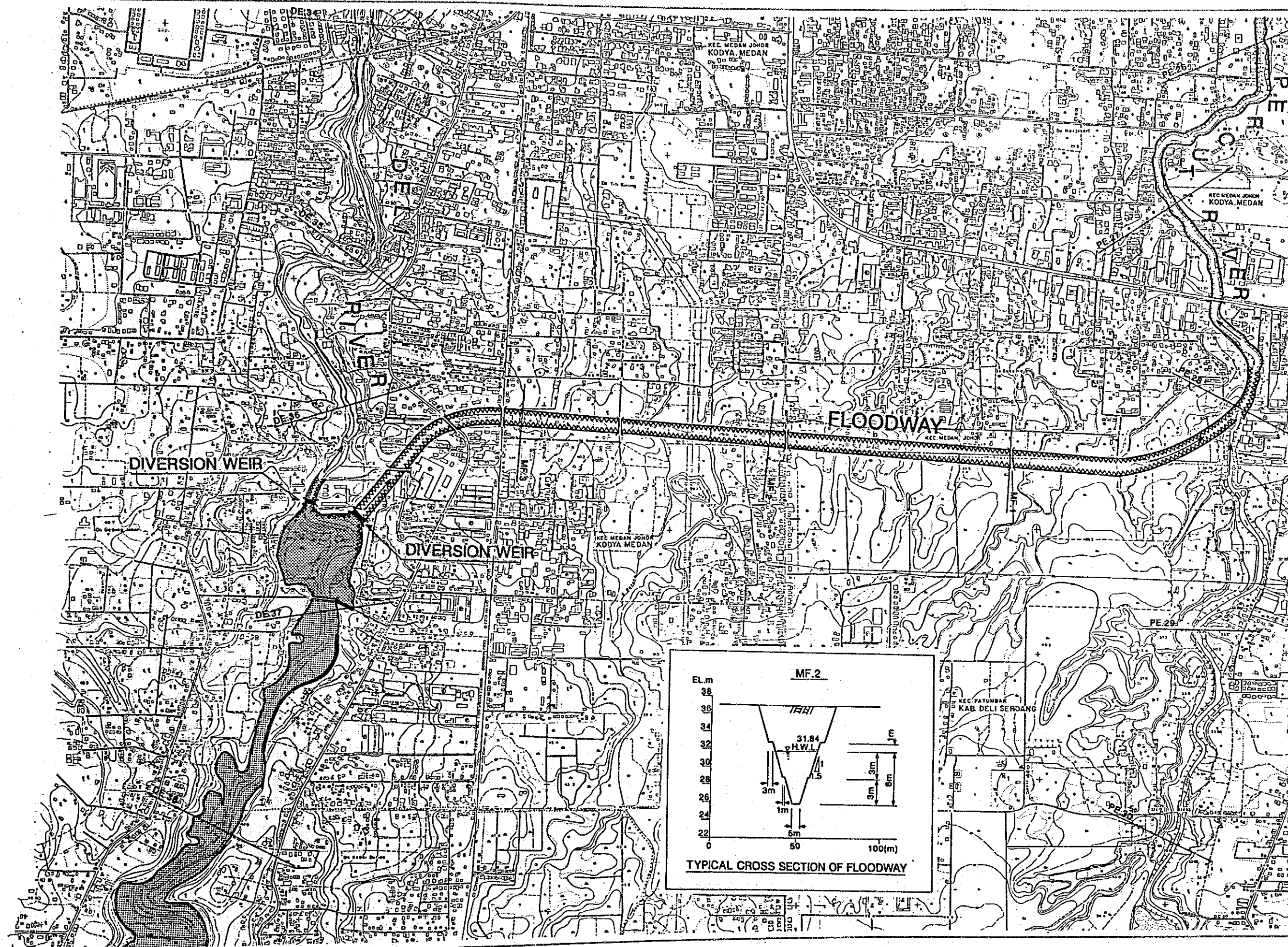
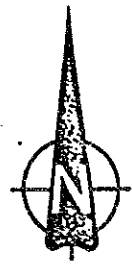
図4-6 (3/3)

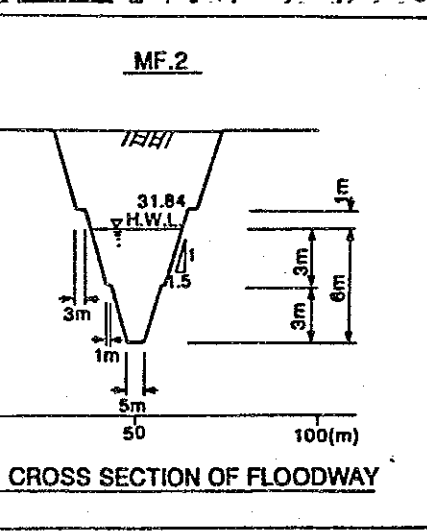
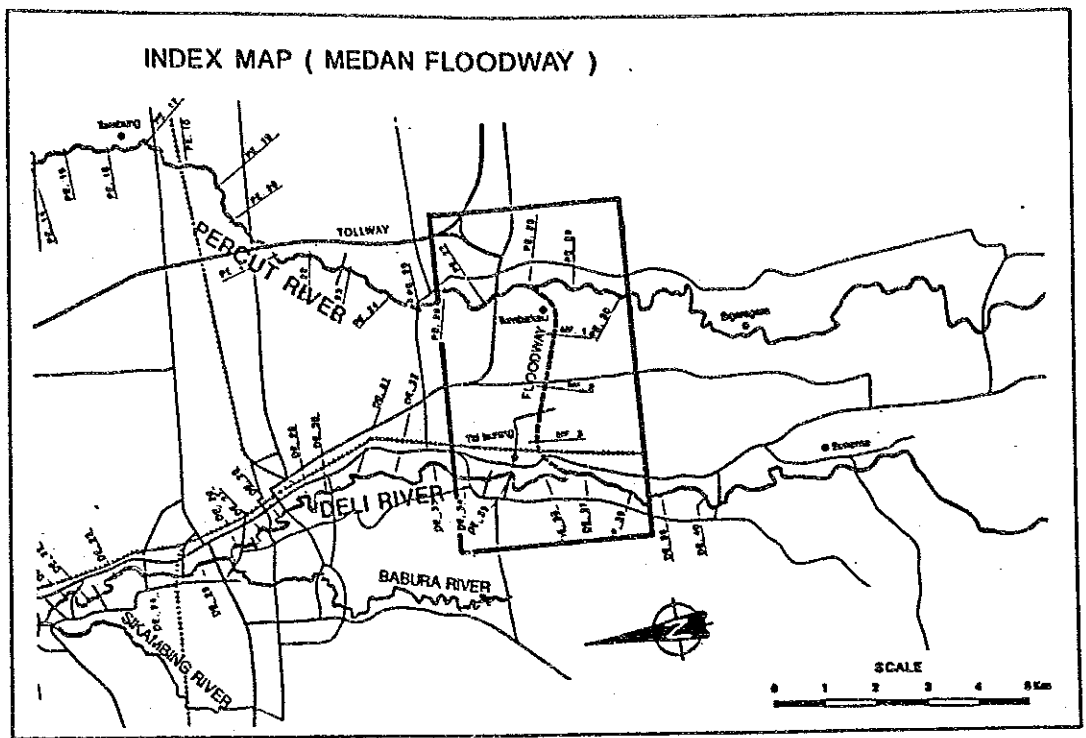


Gradient of Design Riverbed		1/8,000	1/4,000	1/1,800													1/1,100																								
Design Elevation (m)	Dike Crown	3.20	3.72	4.24	4.76	5.28	5.80	6.32	6.84	7.36	7.88	8.40	8.92	9.44	9.96	10.48	11.00	11.52	12.04	12.56	13.08	13.60	14.12	14.64	15.16	15.68	16.20	16.72	17.24	17.76	18.28	18.80	19.32	19.84	20.36	20.88	21.40	21.92			
	High Water	2.45	2.92	3.44	3.96	4.48	5.00	5.52	6.04	6.56	7.08	7.60	8.12	8.64	9.16	9.68	10.20	10.72	11.24	11.76	12.28	12.80	13.32	13.84	14.36	14.88	15.40	15.92	16.44	16.96	17.48	18.00	18.52	19.04	19.56	20.08	20.60	21.12	21.64		
	Riverbed	-1.00	-0.87	-0.75	-0.62	-0.50	-0.37	-0.25	-0.12	0.00	0.13	0.25	0.37	0.50	0.62	0.75	0.87	1.00	1.12	1.25	1.37	1.50	1.62	1.75	1.87	2.00	2.12	2.25	2.37	2.50	2.62	2.75	2.87	3.00	3.12	3.25	3.37	3.50	3.62	3.75	
Present Elevation (m)	Right Ground	1.42	1.14	0.87	0.60	0.32	0.05	-0.22	-0.49	-0.76	-1.04	-1.31	-1.58	-1.85	-2.12	-2.40	-2.67	-2.94	-3.21	-3.48	-3.75	-4.02	-4.29	-4.56	-4.83	-5.10	-5.37	-5.64	-5.91	-6.18	-6.45	-6.72	-6.99	-7.26	-7.53	-7.80	-8.07	-8.34	-8.61	-8.88	
	Left Ground	0.78	1.01	1.24	1.47	1.70	1.93	2.16	2.39	2.62	2.85	3.08	3.31	3.54	3.77	4.00	4.23	4.46	4.69	4.92	5.15	5.38	5.61	5.84	6.07	6.30	6.53	6.76	6.99	7.22	7.45	7.68	7.91	8.14	8.37	8.60	8.83	9.06	9.29	9.52	9.75
	Average Riverbed	-0.50	-0.30	-0.10	0.10	0.30	0.50	0.70	0.90	1.10	1.30	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	3.10	3.30	3.50	3.70	3.90	4.10	4.30	4.50	4.70	4.90	5.10	5.30	5.50	5.70	5.90	6.10	6.30	6.50	6.70	6.90	7.10	7.30
Distance	accum. (km)	0.000	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	24.000	25.000	26.000	27.000	28.000	29.000	30.000	31.000	32.000	33.000	34.000	35.000	36.000	37.000		
	partial (m)	0	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Station No.		PR-0	PR-1	PR-2	PR-3	PR-4	PR-5	PR-6	PR-7	PR-8	PR-9	PR-10	PR-11	PR-12	PR-13	PR-14	PR-15	PR-16	PR-17	PR-18	PR-19	PR-20	PR-21	PR-22	PR-23	RAILWAY BR.	PR-25	PR-26	PR-27	PR-28	PR-29	PR-30	PR-31	PR-32	PR-33	PR-34	PR-35	PR-36			

THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY

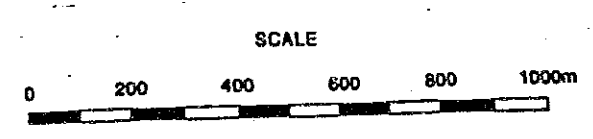
パダン川緊急河川改修計画
(縦断図)

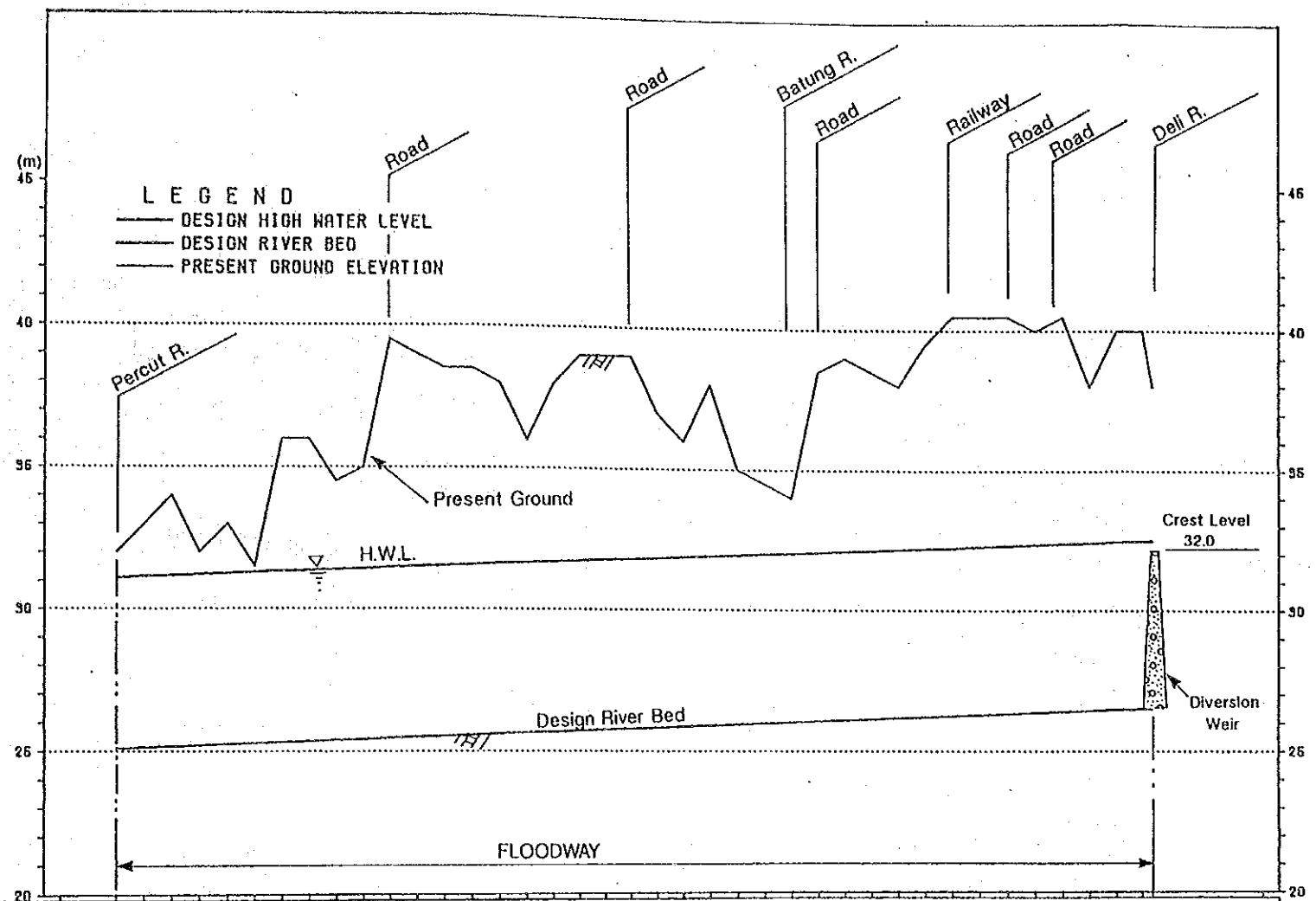




LEGEND

	CHANNEL ALIGNMENT
	EXISTING DIKE
	NEW EARTH DIKE
	NEW PARAPET WALL
	LOW WATER CHANNEL ALIGNMENT
	REVTMENT
	NEW IRRIGATION CANAL
	SLUCE WAY
	WATER GATE
	BRIDGE (TO BE CONSTRUCTED)
	WEIR
	INUNDATION AREA

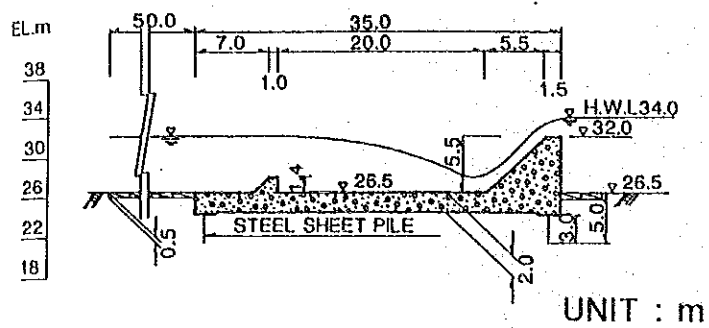




Gradient of Design Riverbed		1/2,700	
Design Elevation (m)	High Water	31.10	31.14
	Riverbed	25.10	25.14
Present Ground Elevation (m)		32.00	32.00
Distance	accum. (km)	0	0.100
	partial (m)	0	100
Station No.		MF. 0	MF. 0 +100

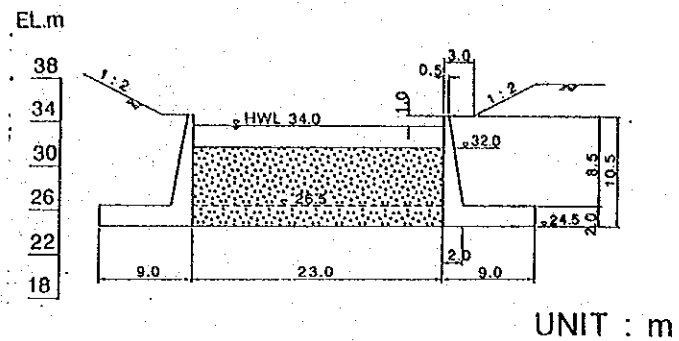
THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY

最適放水路縦断面図



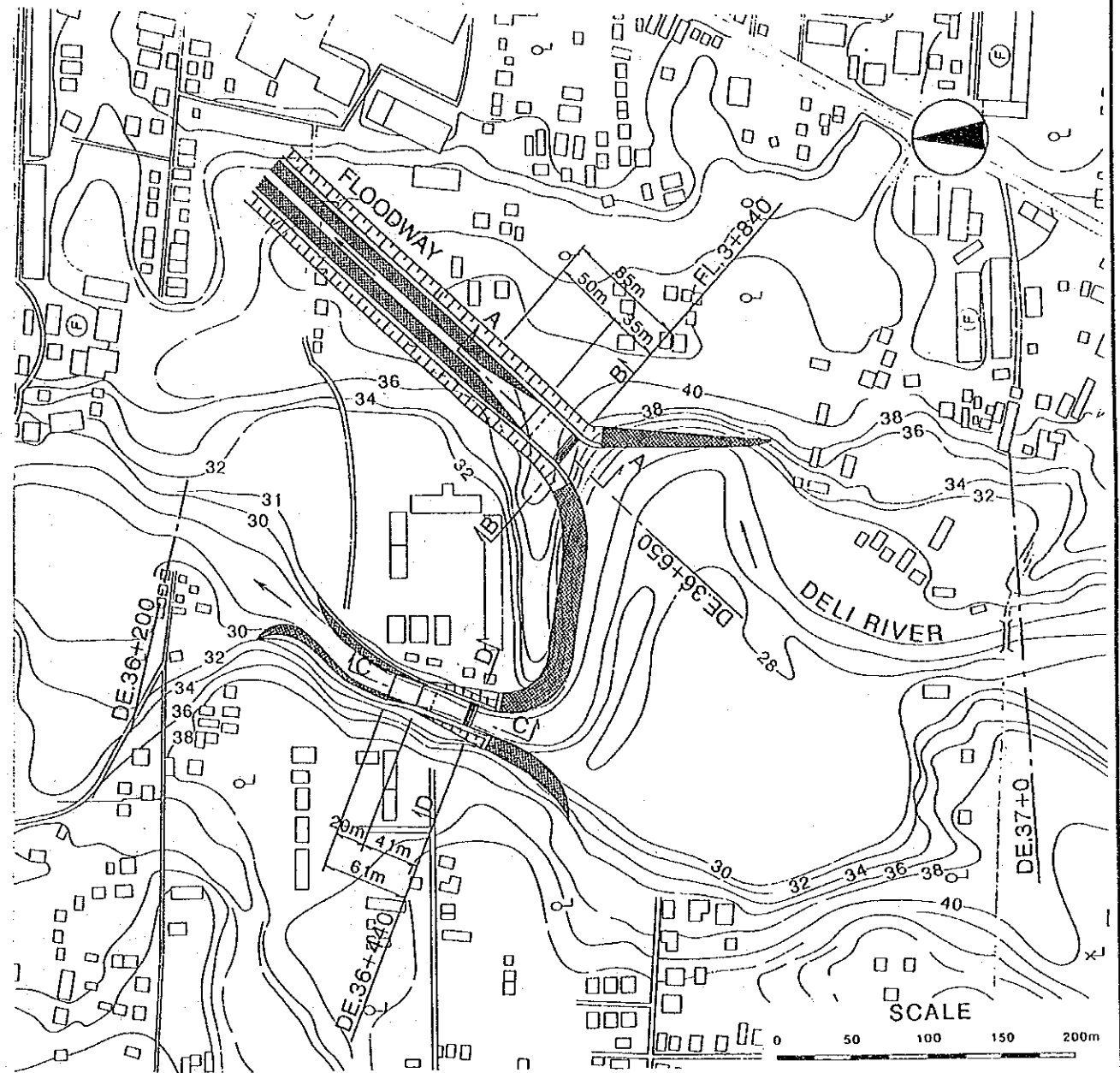
SECTION A-A

UNIT : m

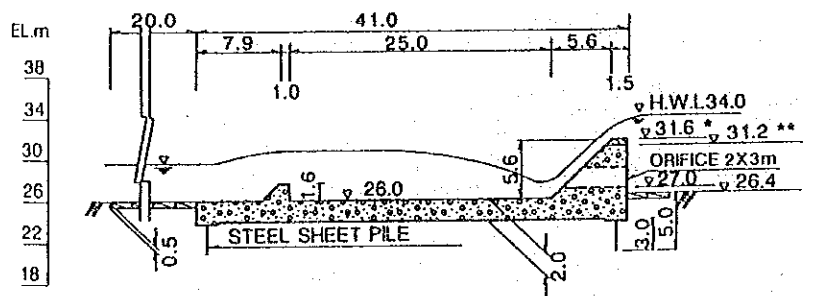


SECTION B-B

UNIT : m



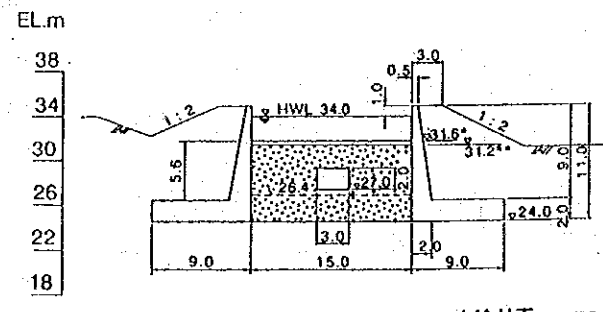
PLAN OF DIVERSION FACILITY



SECTION C-C

* : For Master Plan ** : For Urgent Plan

UNIT : m



SECTION D-D

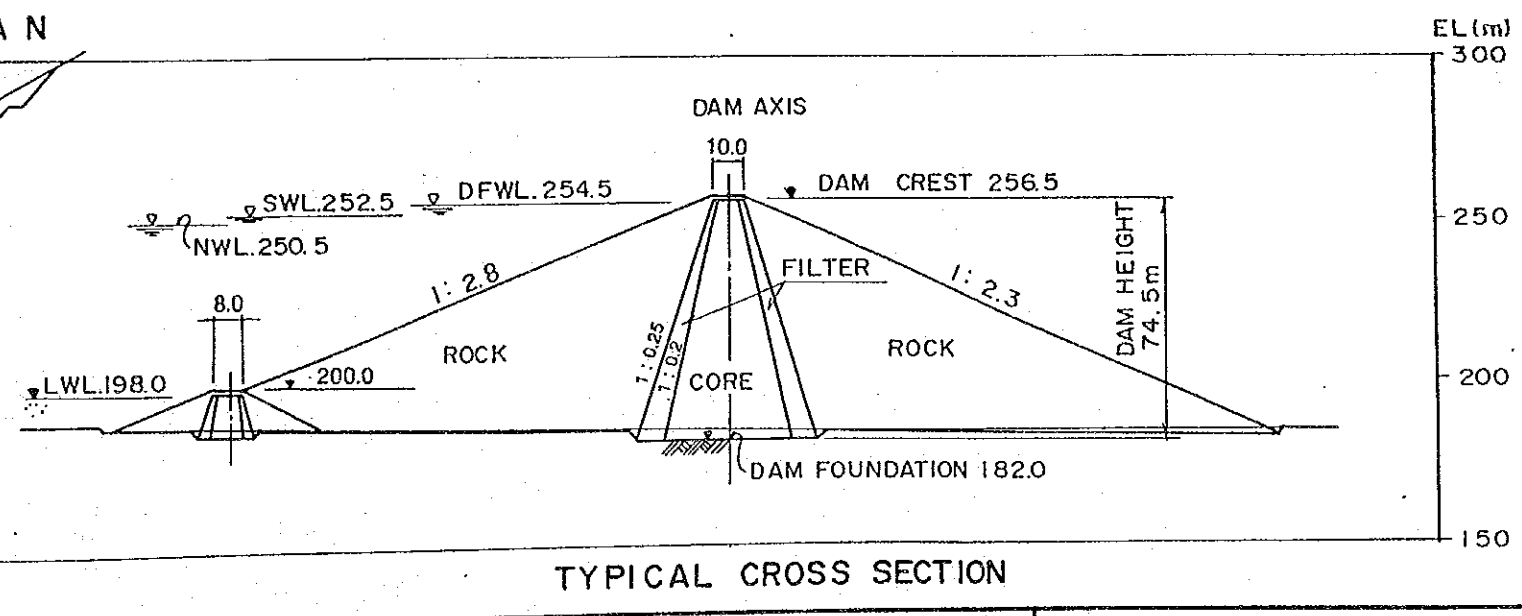
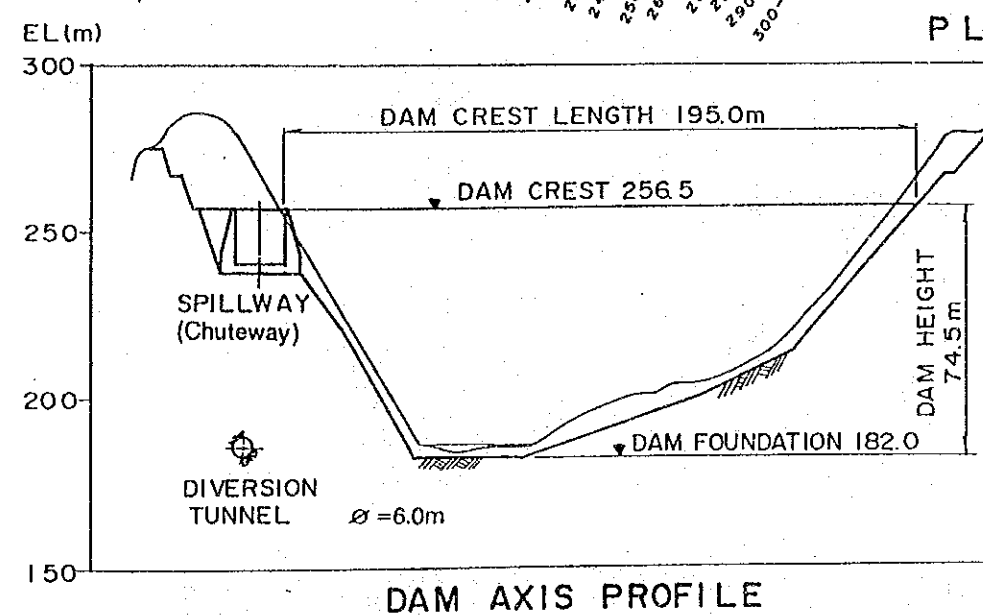
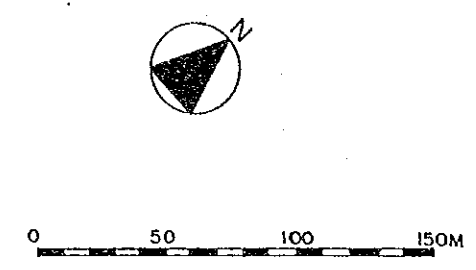
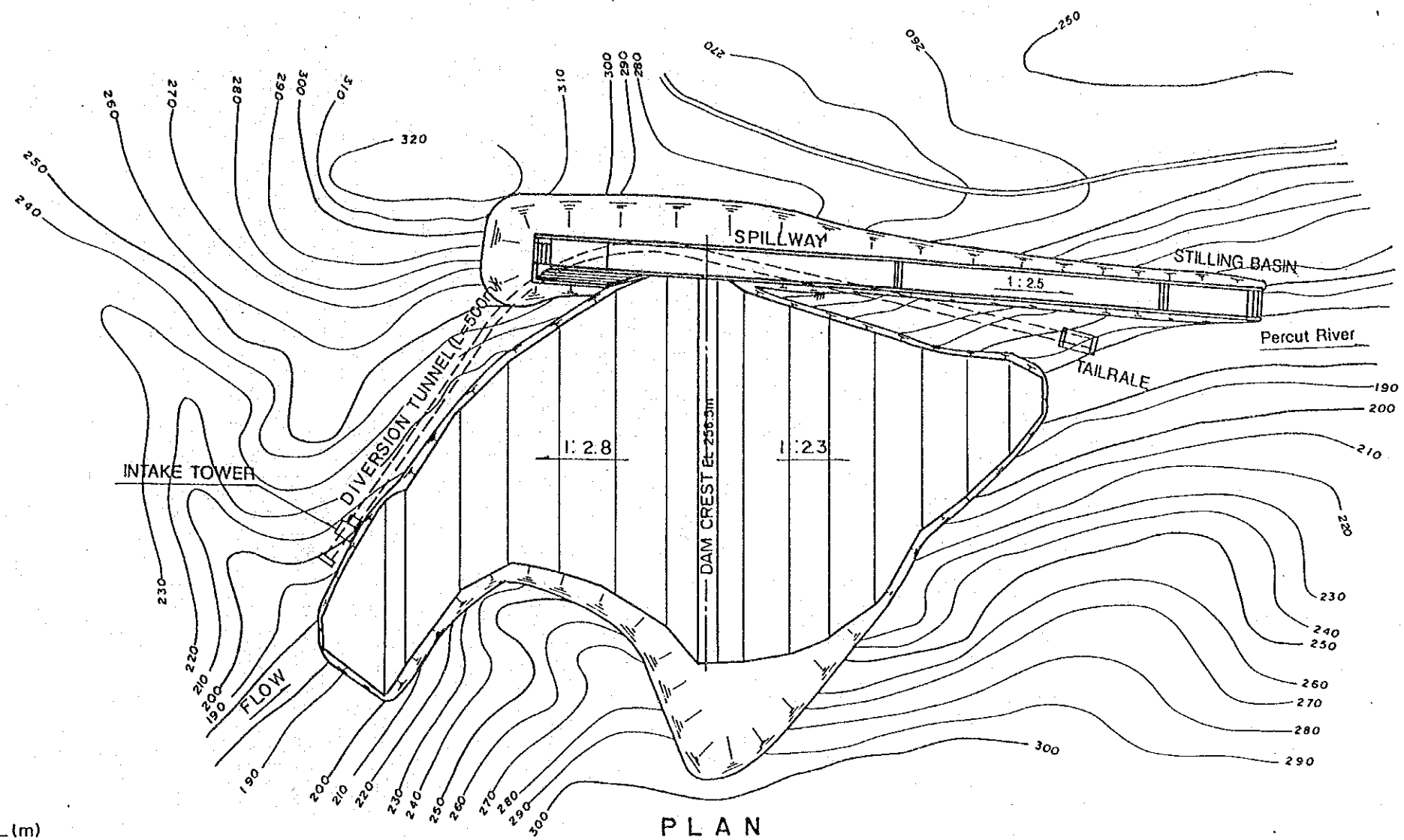
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THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

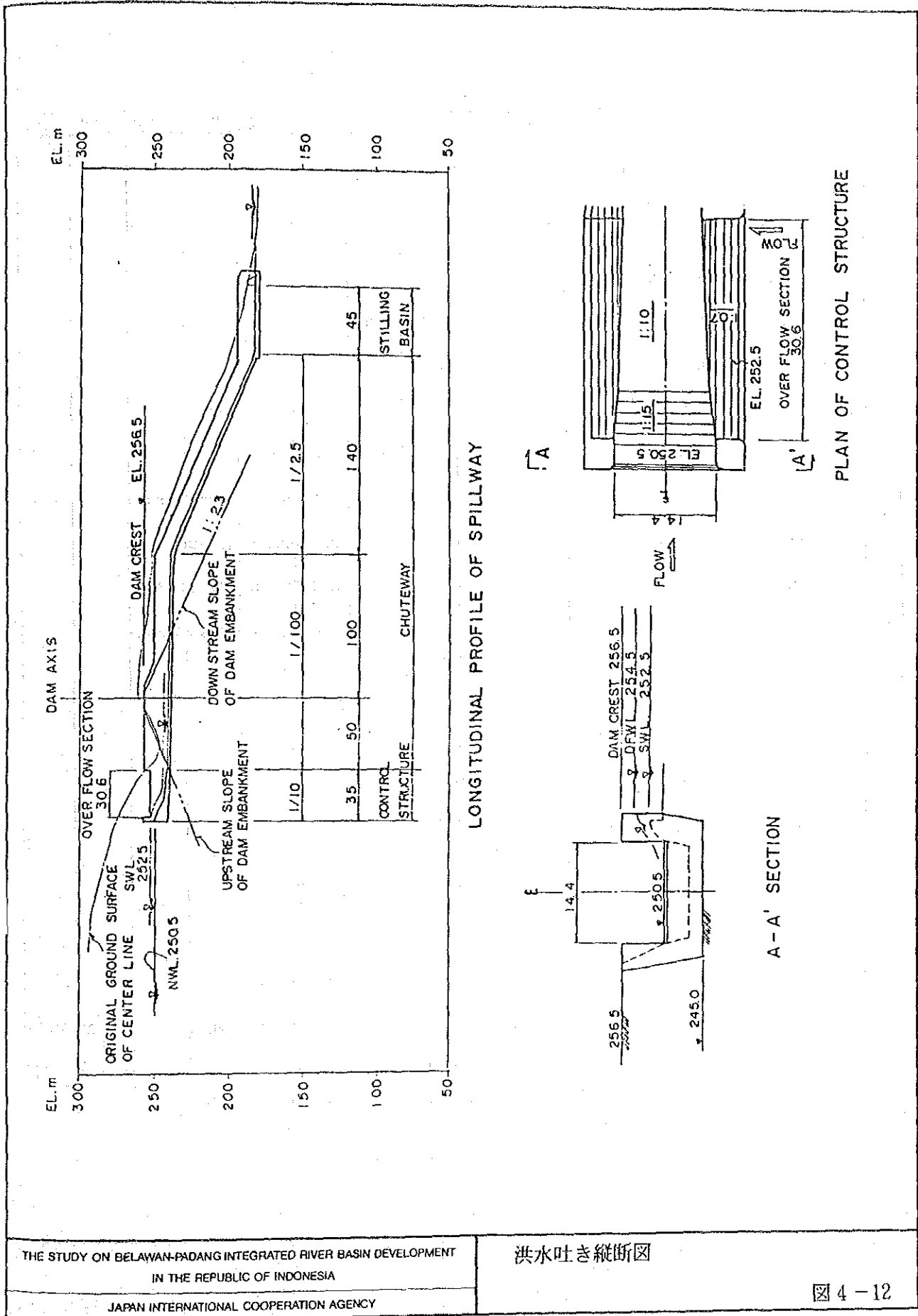
最適分水路概要図

図 4-10



THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY

ラウシメメ多目的ダム一般図
図 4-11



THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT
IN THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

洪水吐き縦断面図

図 4-12

IMPLEMENTATION SCHEDULE

ITEM	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
DELI-PERCUT RIVER FLOOD CONTROL AND WATER SUPPLY PROJECT										
1. Feasibility Study (JICA)	█	█								
2. Loan Application for Detailed Design		█								
3. Detailed Design (2 years) *			█	█						
4. Environmental Impact Assessment			█	█						
5. Loan Application for Construction				█						
6. Compensation by Government				█	█					
7. Construction					█	█	█	█	█	█
(1) Percut River Improvement					█	█	█	█	█	█
(2) Medan Floodway					█	█	█	█	█	█
(3) Lousimeme Dam					█	█	█	█	█	█
(4) Deli River Improvement **		█	█	█	█	█	█	█	█	█
PADANG RIVER IMPROVEMENT PROJECT										
1. Feasibility Study (JICA)		█	█							
2. Loan Application for Detailed Design and Construction			█							
3. Detailed Design (1.5 year)				█	█					
4. Environmental Impact Assessment				█	█					
5. Compensation by Government					█	█				
6. Construction						█	█	█	█	█

* Detailed design work for the Deli-Percut Flood Control and Water Supply Project excluding the Deli River Improvement

** Construction works of Deli River Improvement under MUDP II

