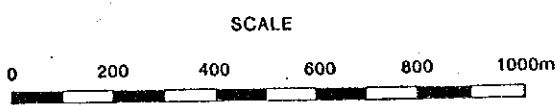


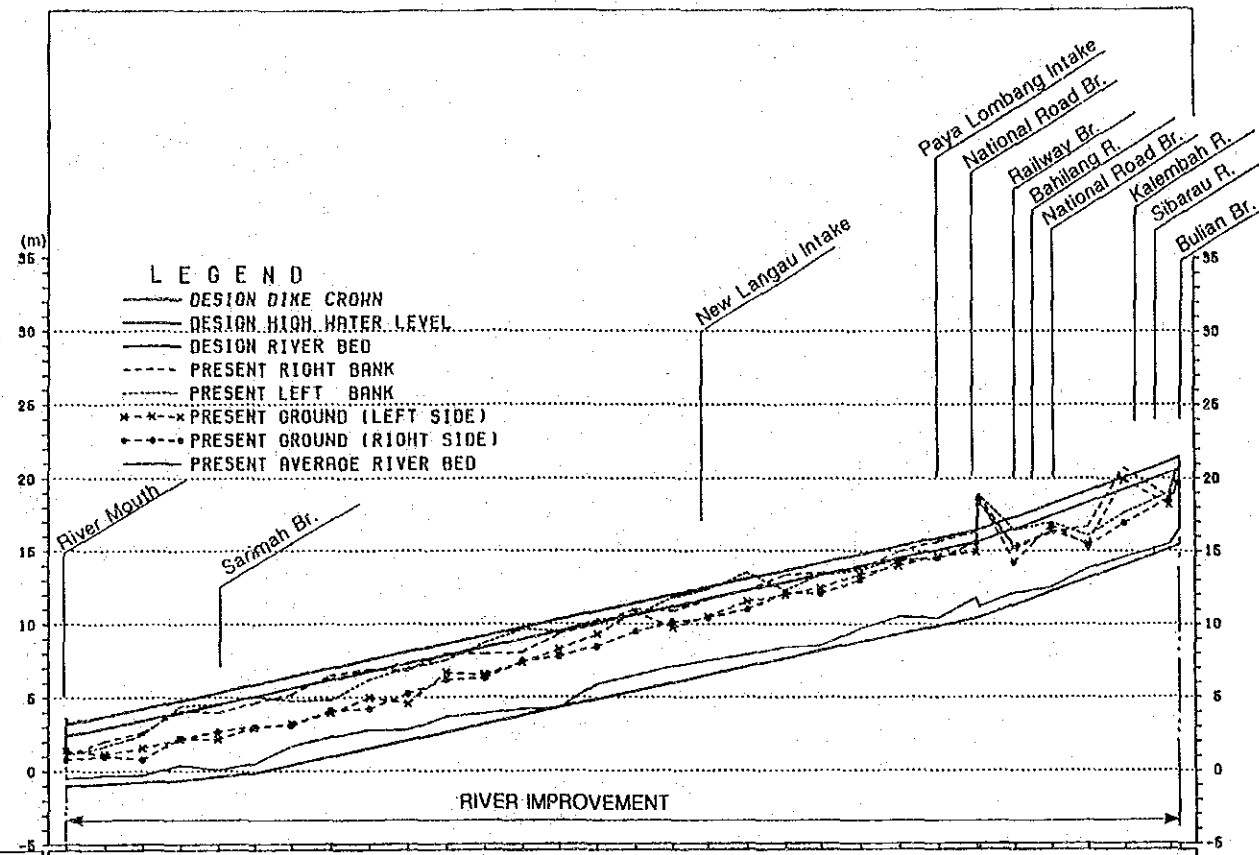
**LEGEND**

	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



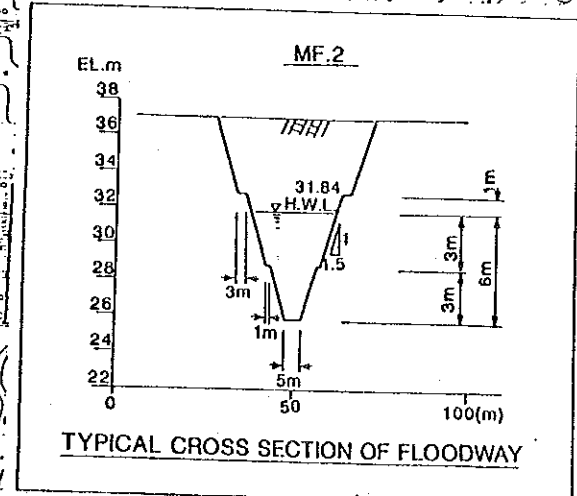
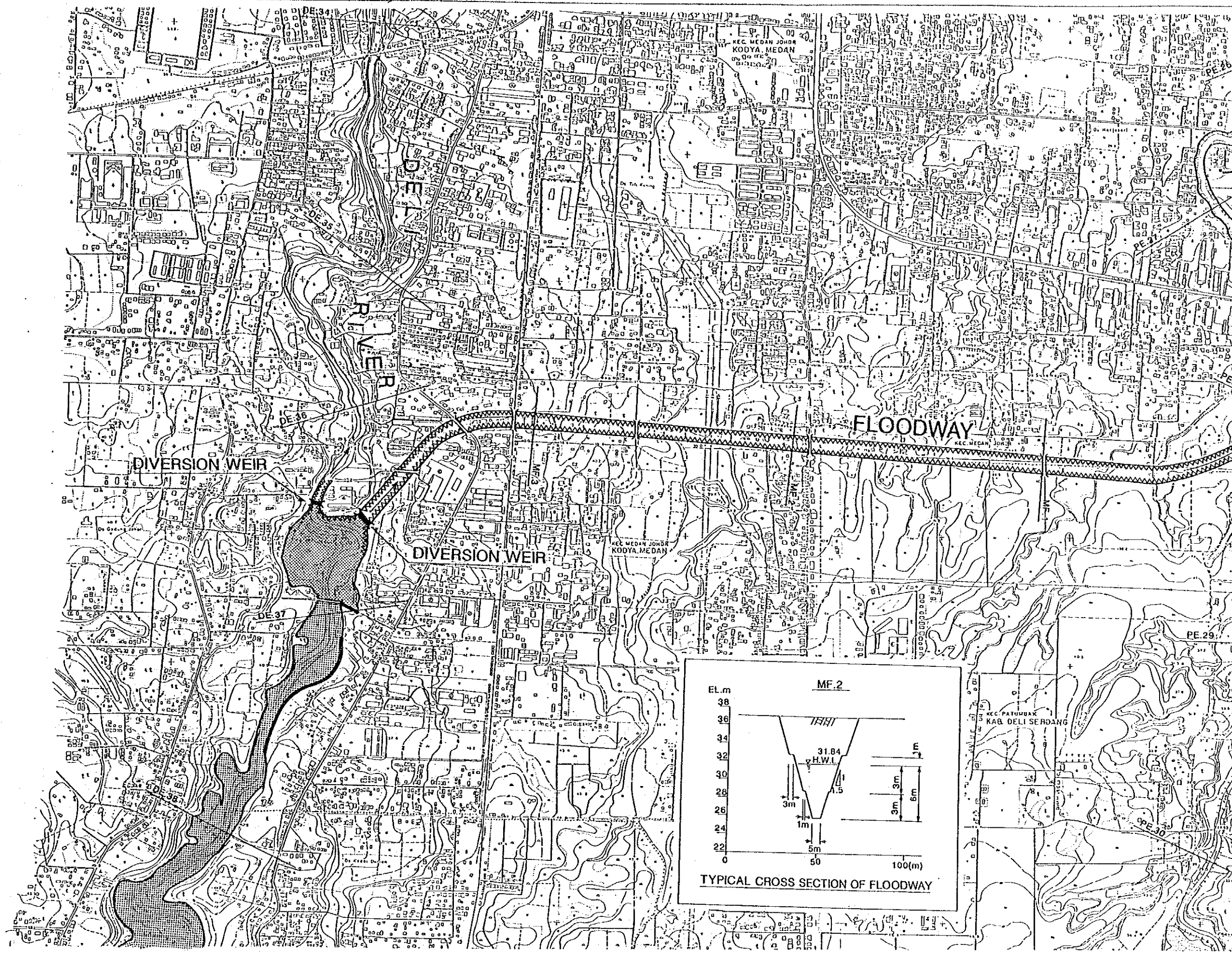
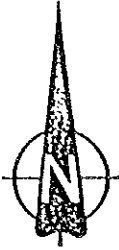
THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT  
 IN THE REPUBLIC OF INDONESIA  
 JAPAN INTERNATIONAL COOPERATION AGENCY

ALIGNMENT AND TYPICAL CROSS SECTION OF  
 URGENT PADANG RIVER IMPROVEMENT WORKS  
 Fig.4-6(3/3)

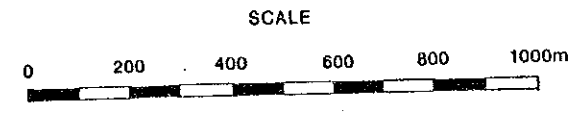
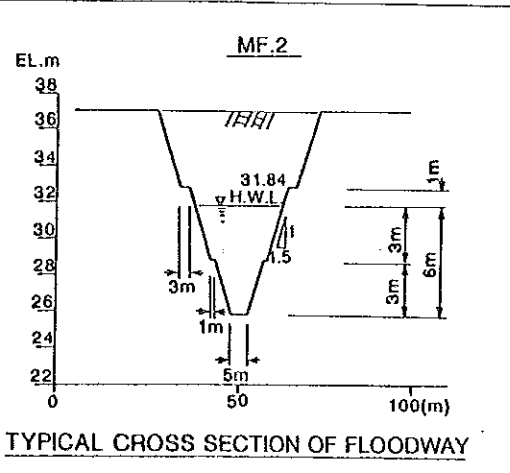
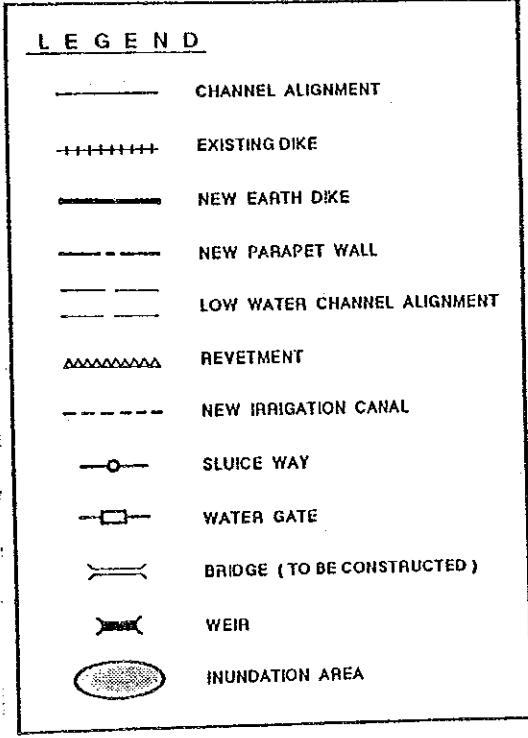
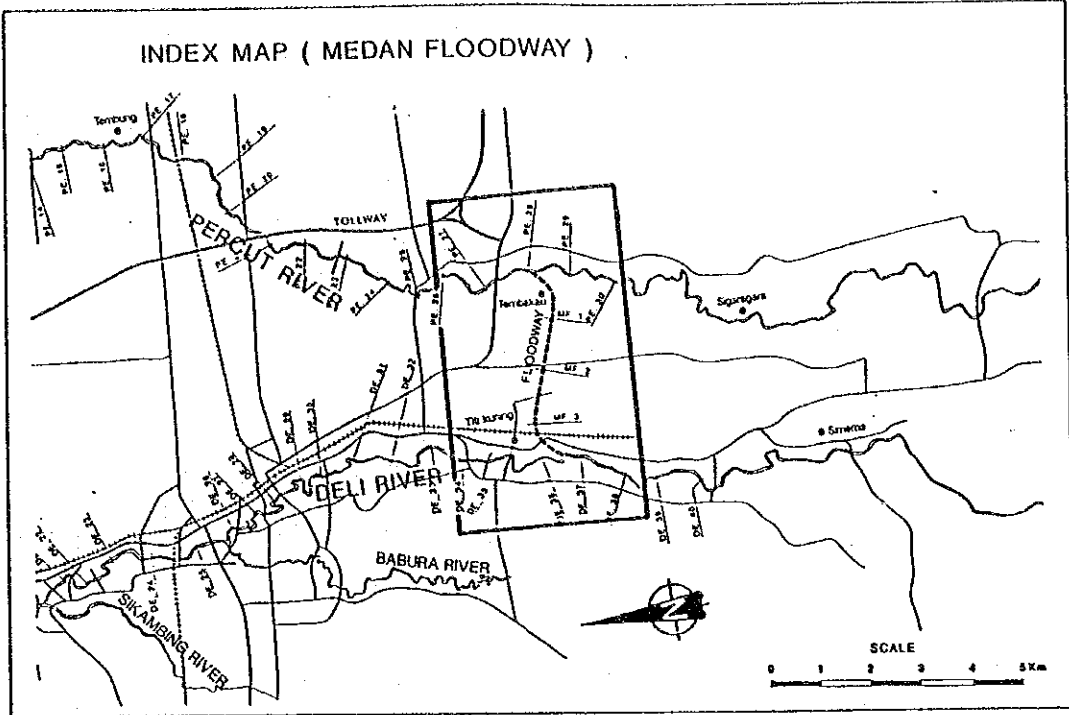
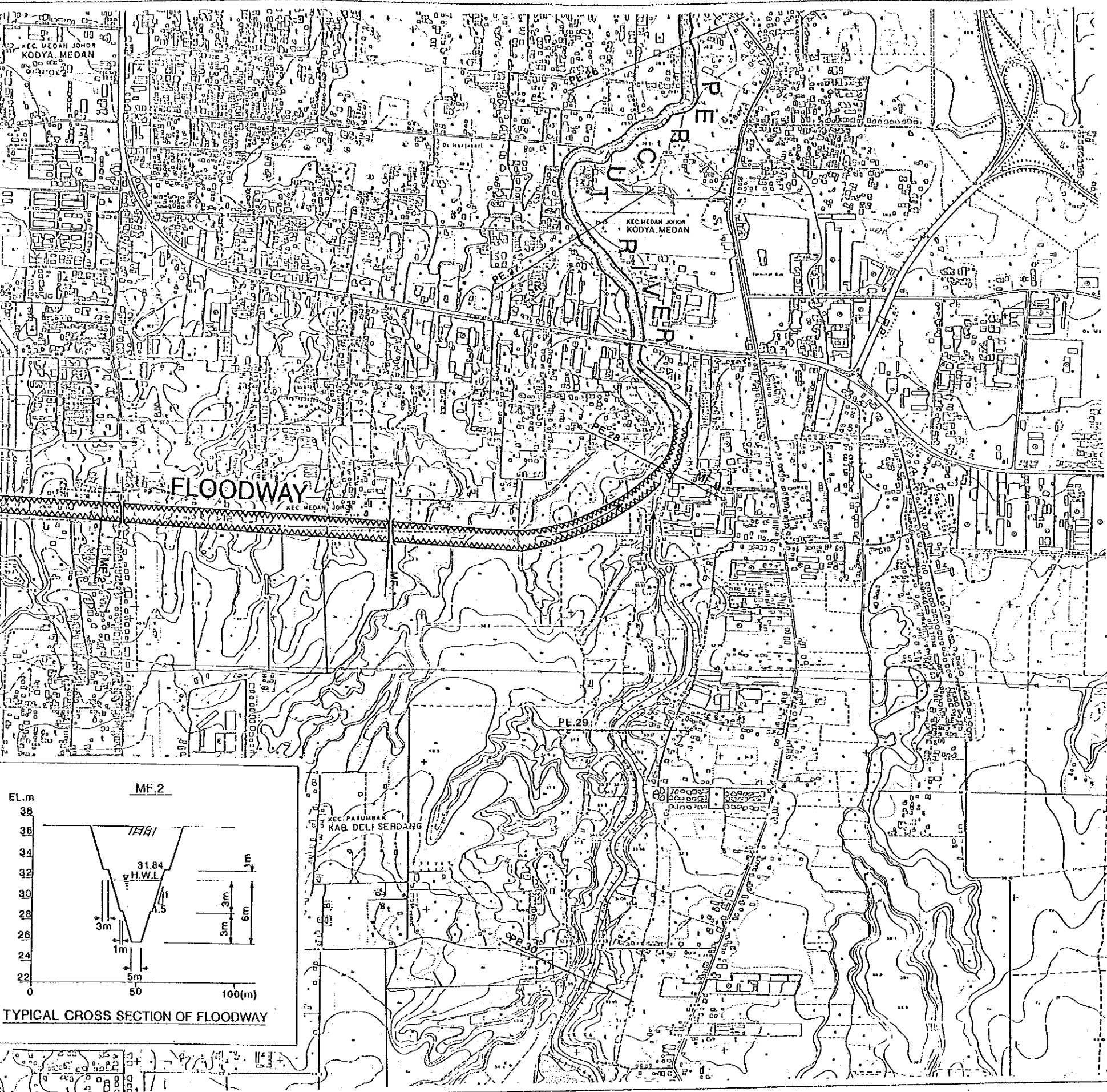


Gradient of Design Riverbed		1/8,000	1/4,000	1/1,800	1/1,100
Design Elevation (m)	Dike Crown	3.20	3.72	4.24	4.76
	High Water	2.40	2.92	3.44	3.96
	Riverbed	-1.00	-0.97	-0.76	-0.82
Present Elevation (m)	Right Ground	1.42	1.14	1.97	2.20
	Left Ground	0.79	1.01	0.78	2.23
	Average Riverbed	-0.50	-0.30	-0.30	0.40
Distance	accum. (km)	0.000	1.000	2.000	3.000
	partial (m)	0	1000	1000	1000
Station No.		PR-0	PR-1	PR-2	PR-3

THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT IN THE REPUBLIC OF INDONESIA  
 LONGITUDINAL PROFILE OF URGENT PADANG RIVER IMPROVEMENT WORKS  
 JAPAN INTERNATIONAL COOPERATION AGENCY  
 Fig.4-7

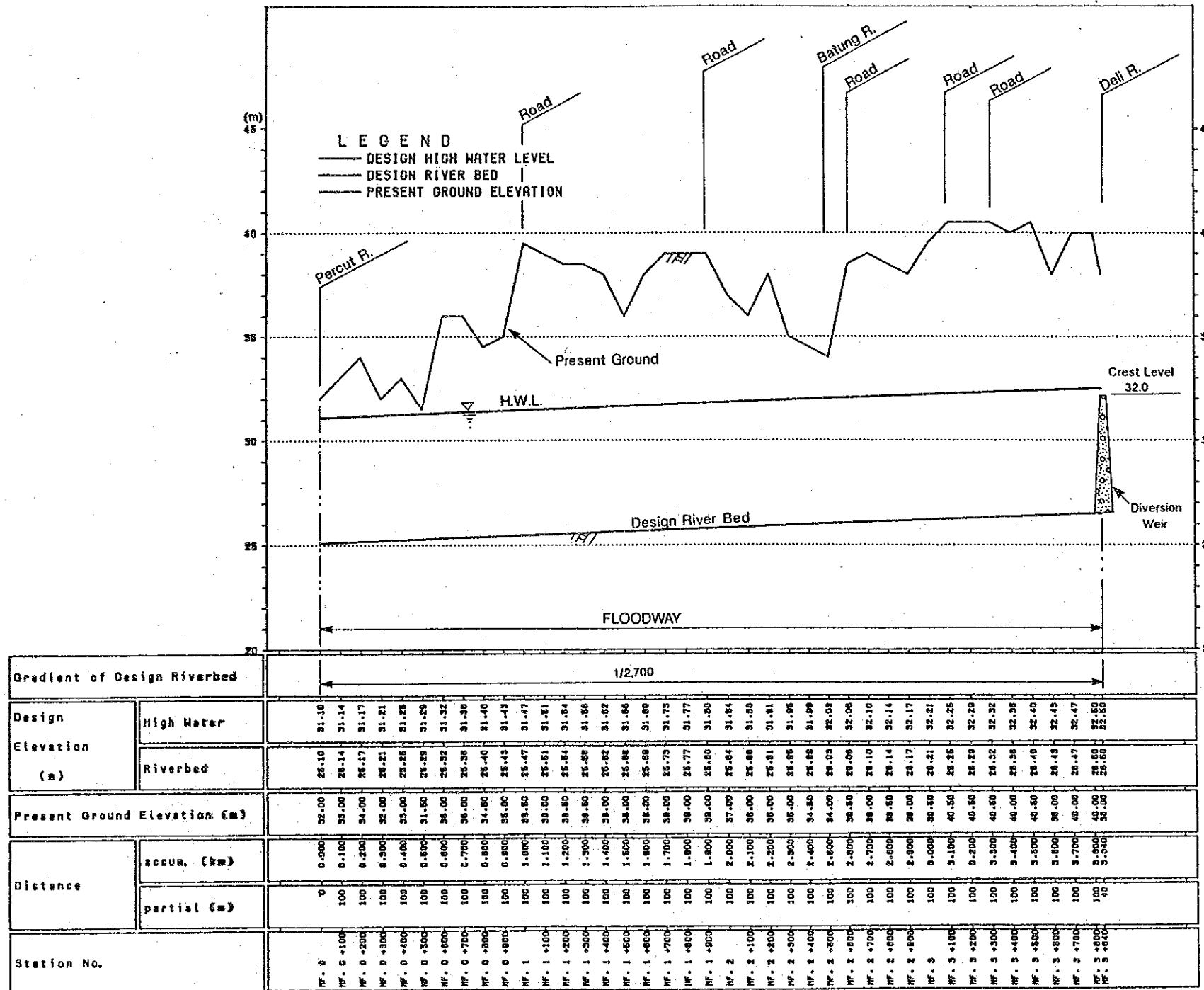






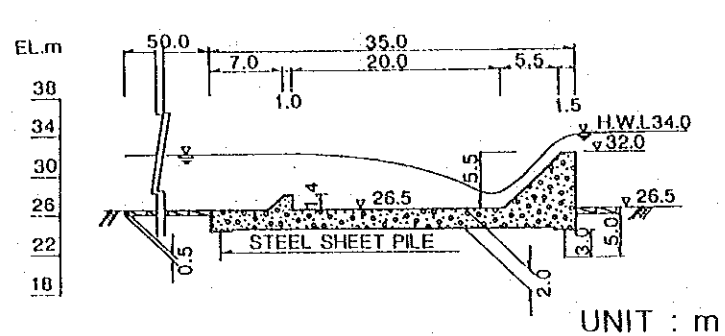
THE STUDY FOR DELTA RIVER RECONSTRUCTION AND FLOODWAY DEVELOPMENT IN THE REPUBLIC OF INDONESIA  
 JAPAN INTERNATIONAL COOPERATION AGENCY

ALIGNMENT OF OPTIMUM FLOODWAY ROUTE  
 Fig.4-8

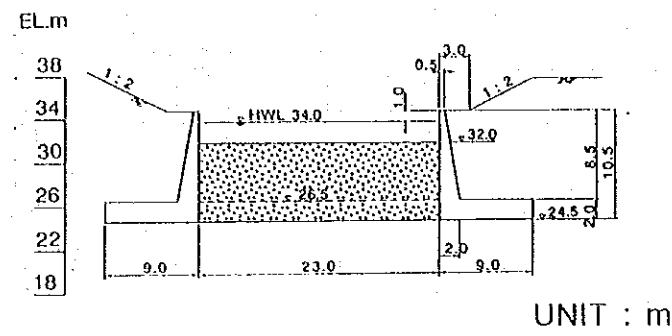


THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT  
 IN THE REPUBLIC OF INDONESIA  
 JAPAN INTERNATIONAL COOPERATION AGENCY

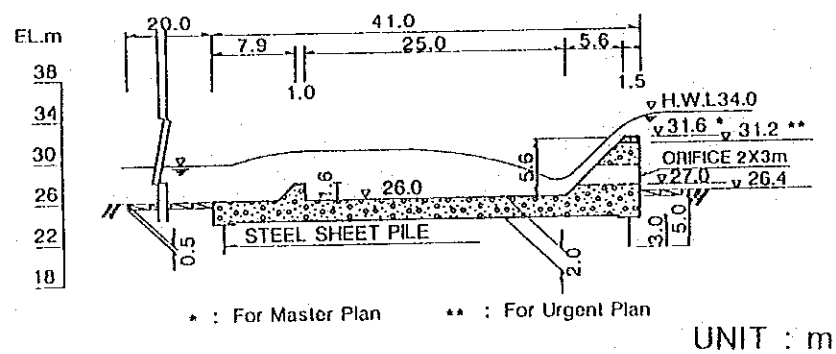
LONGITUDINAL PROFILE OF OPTIMUM FLOODWAY ROUTE  
 Fig.4-9



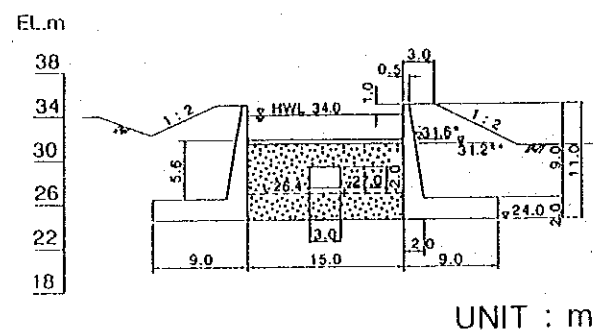
SECTION A-A



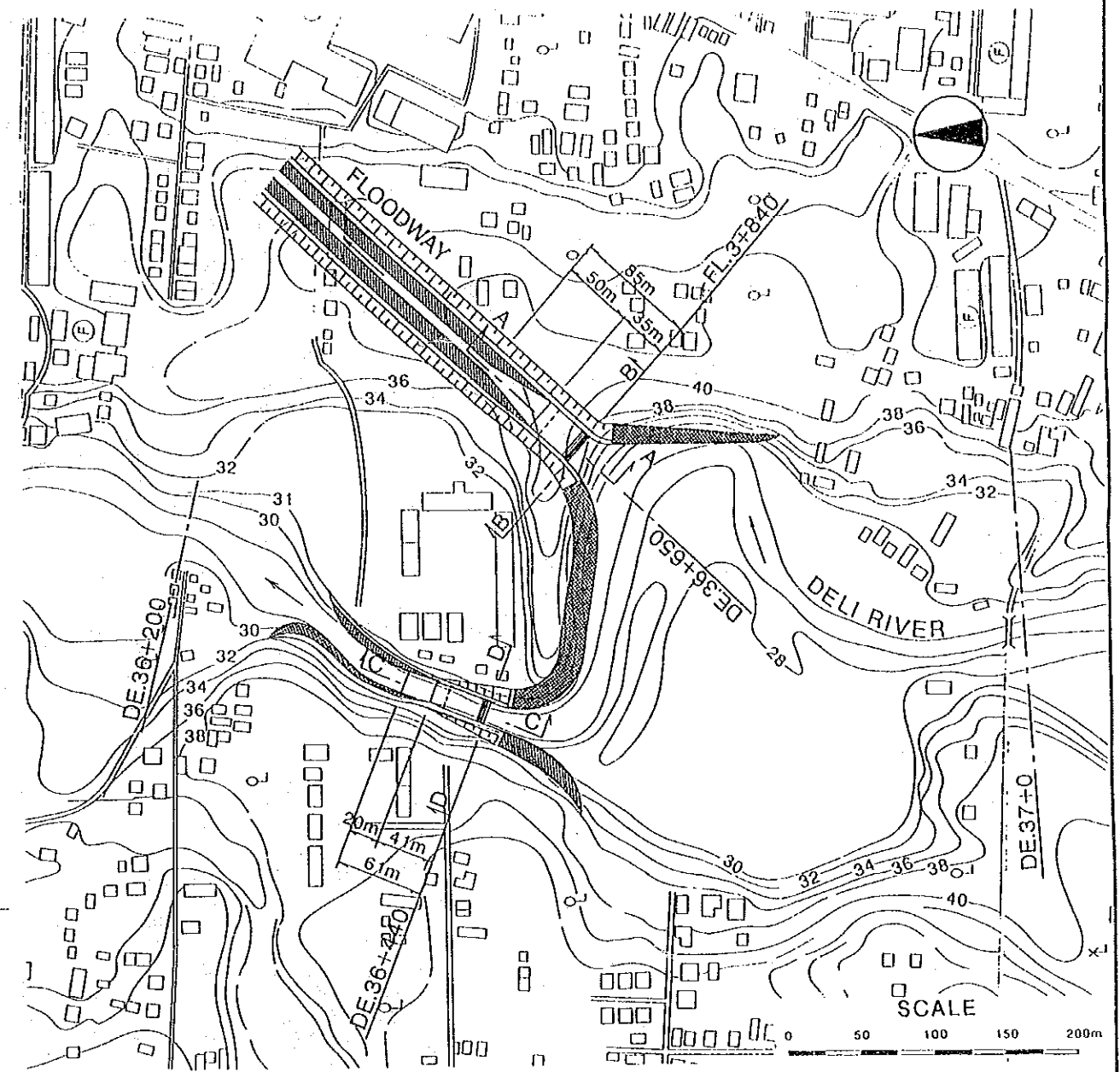
SECTION B-B



SECTION C-C

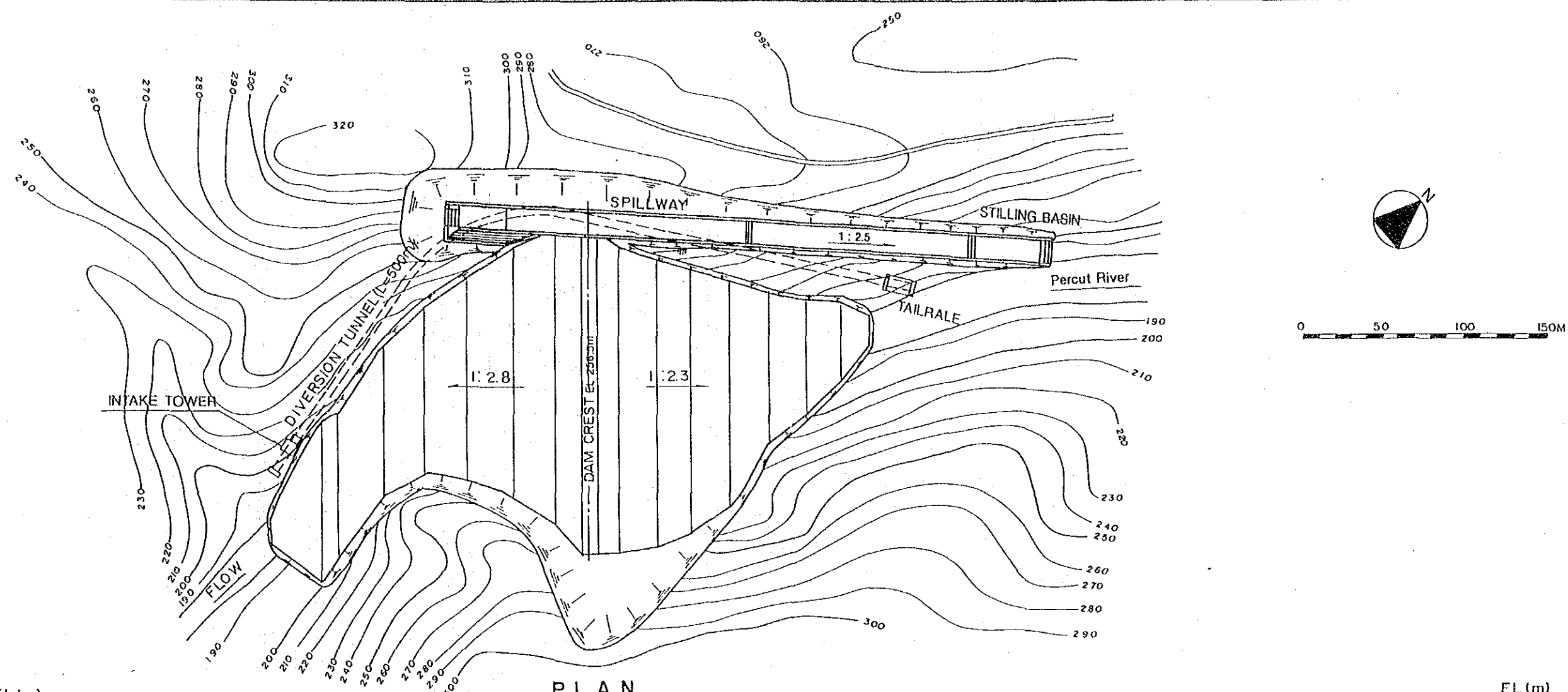


SECTION D-D

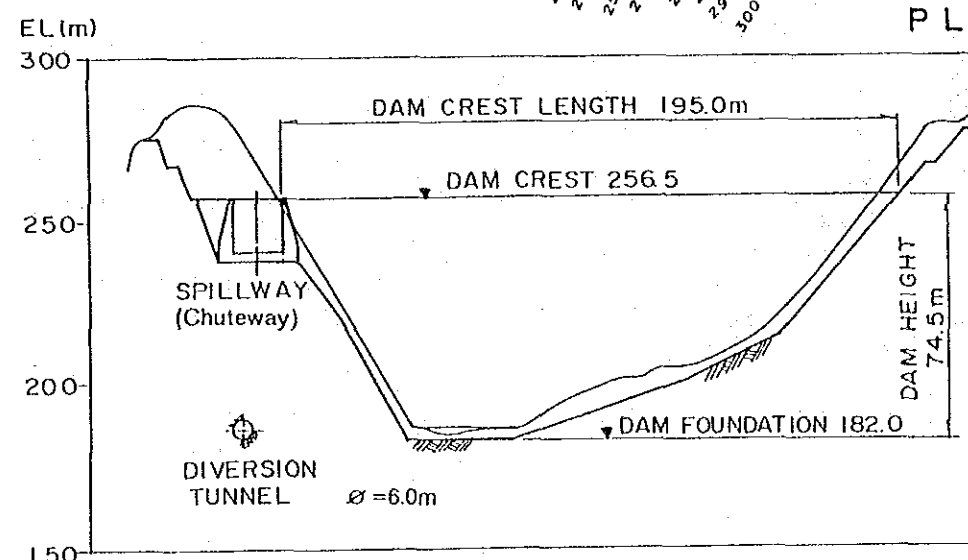


PLAN OF DIVERSION FACILITY

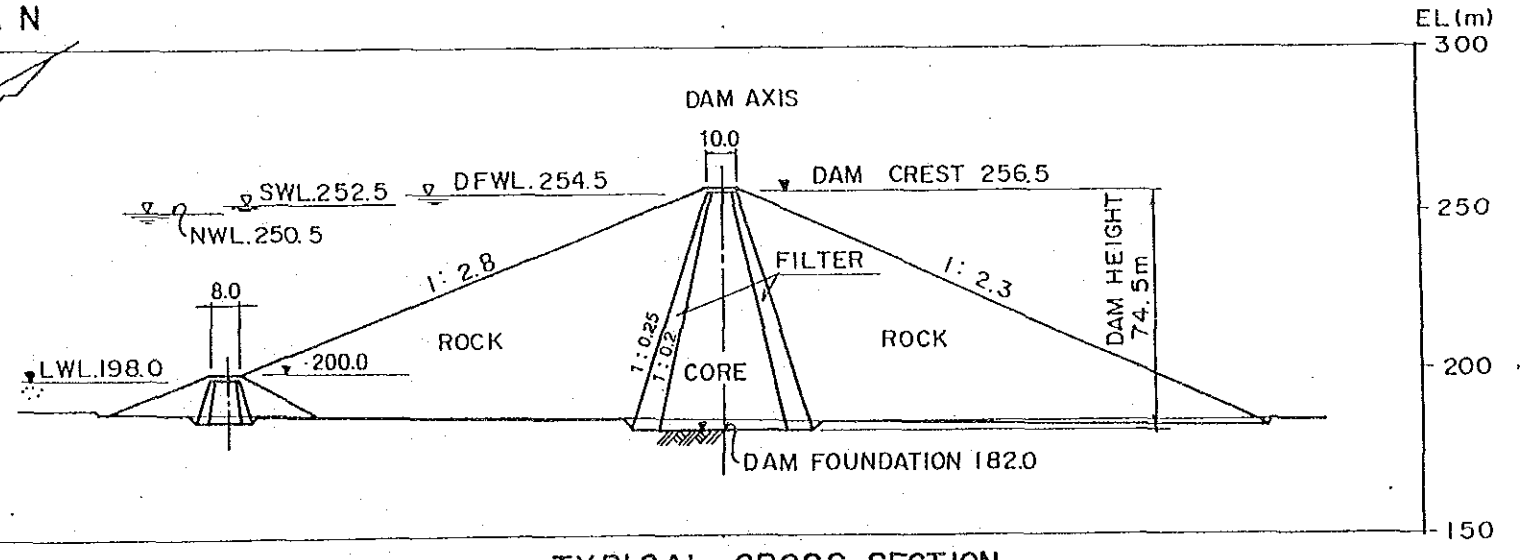
<p>THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT IN THE REPUBLIC OF INDONESIA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>LAYOUT AND STRUCTURE OF OPTIMUM DIVERSION WORKS</p> <p>Fig.4-10</p>
--	--



PLAN



DAM AXIS PROFILE

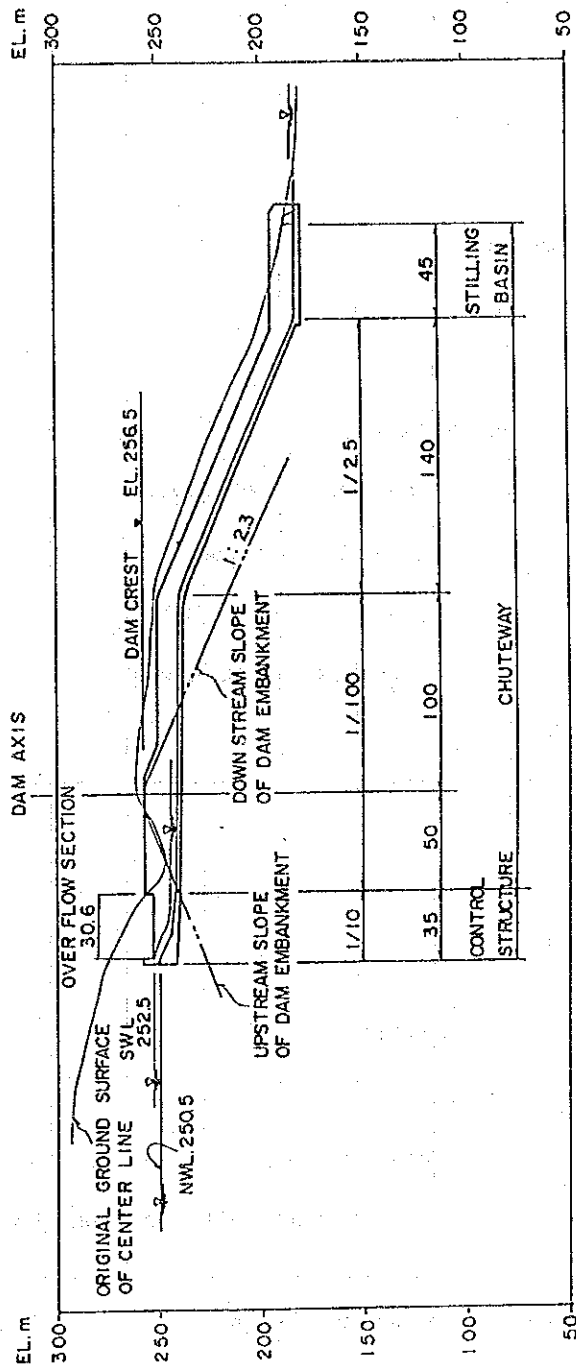


TYPICAL CROSS SECTION

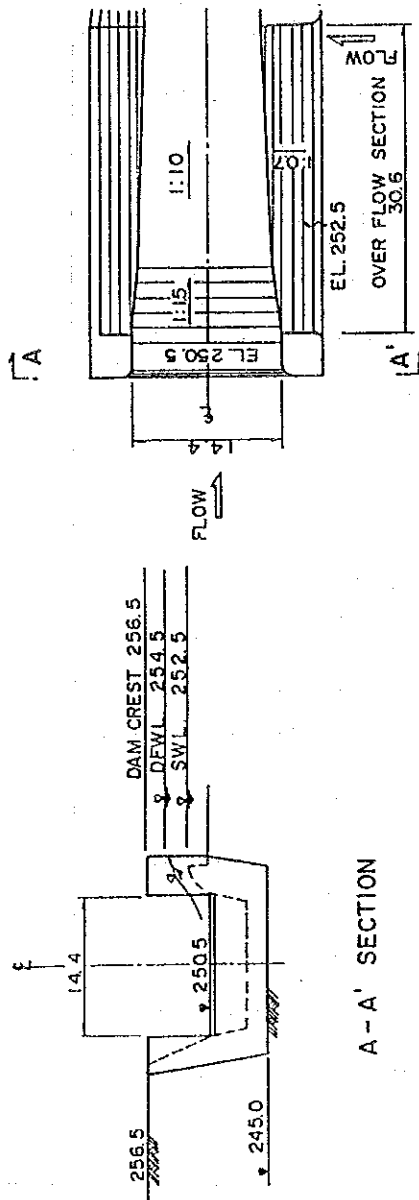
THE STUDY ON BELAWAN-PADANG INTEGRATED RIVER BASIN DEVELOPMENT IN THE REPUBLIC OF INDONESIA	GENERAL PLAN OF LAUSIMEME MULTIPURPOSE DAM
JAPAN INTERNATIONAL COOPERATION AGENCY	Fig.4-11







LONGITUDINAL PROFILE OF SPILLWAY



A-A' SECTION

PLAN OF CONTROL STRUCTURE

### IMPLEMENTATION SCHEDULE

ITEM	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>DELI-PERCUT RIVER FLOOD CONTROL AND WATER SUPPLY PROJECT</b>										
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) Lausimeme Dam					■	■	■	■	■	■
(4) Deli River Improvement **										
<b>PADANG RIVER IMPROVEMENT PROJECT</b>										
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









1954