

SCALE A 0m 100m 200m 300m 400m 500m

SCALE B

THE DETAILED DESIGN OF FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 6.2.3 (1/3)

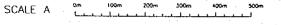
SEMARANG RIVER LONGITUDINAL PROFILE (1/3)

IMPROVING BY CHANNEL EXCAVATION AND DIKE RAISING

DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

THE DETAILED DESIGN OF FLOOD CONTROL, URBAN									



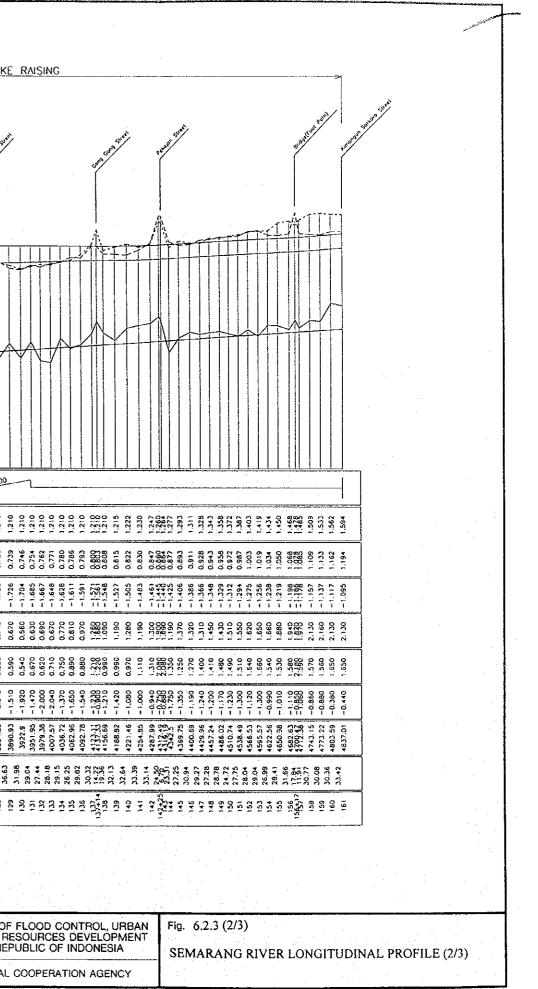
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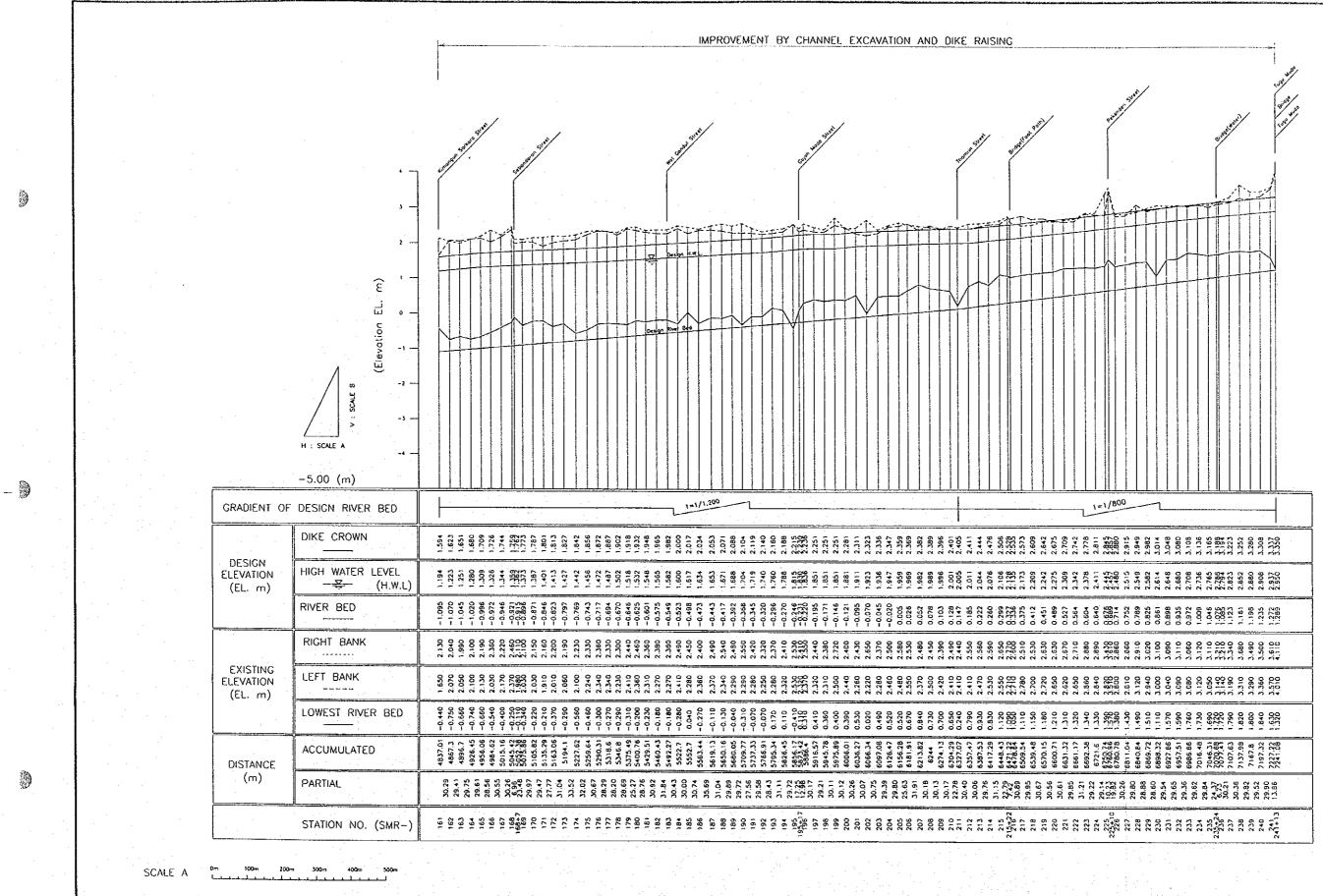
SCALE B

口,你在工具 1.1.4.1 ۵ Ê ني -1 (Elevation SCALE B - 2 -3 H : SCALE A ~4 -5.00 (m) 1=1/1.500 1=1/10,000 GRADIENT OF DESIGN RIVER BED DIKE CROWN 000 DESIGN HIGH WATER LEVEL ELEVATION (H.W.L.) (EL. m) -2.260 -2.257 -2.254 -2.254 -2.248 RIVER BED 111 RIGHT BANK 233500 233500 233500 233500 233500 233500 233500 233500 233500 EXISTING LEFT BANK ELEVATION 2000 220 990 ----(EL. m) LOWEST RIVER BED 7777 2547.18 2556.55 2657.55 2657.55 2657.55 2657.55 2657.55 2657.55 2755.5 ACCUMULATED 10 F DISTANCE (m) PARTIAL 20.069 20.069 20.077 20.069 20.077 20.050 20 STATION NO. (SMR-)

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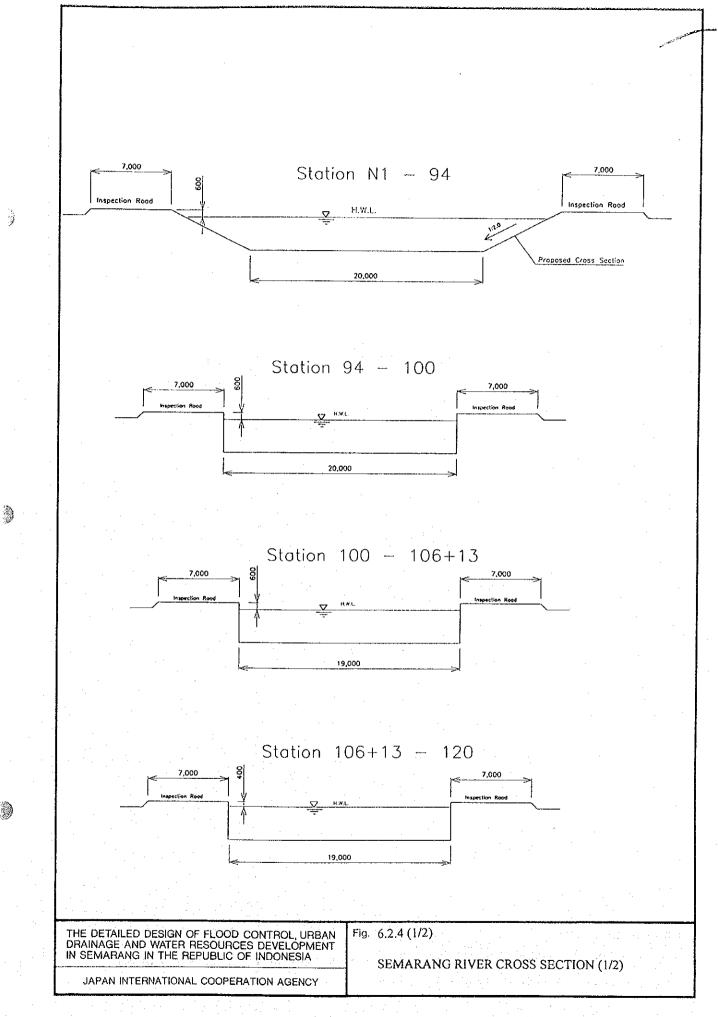
SCALE B

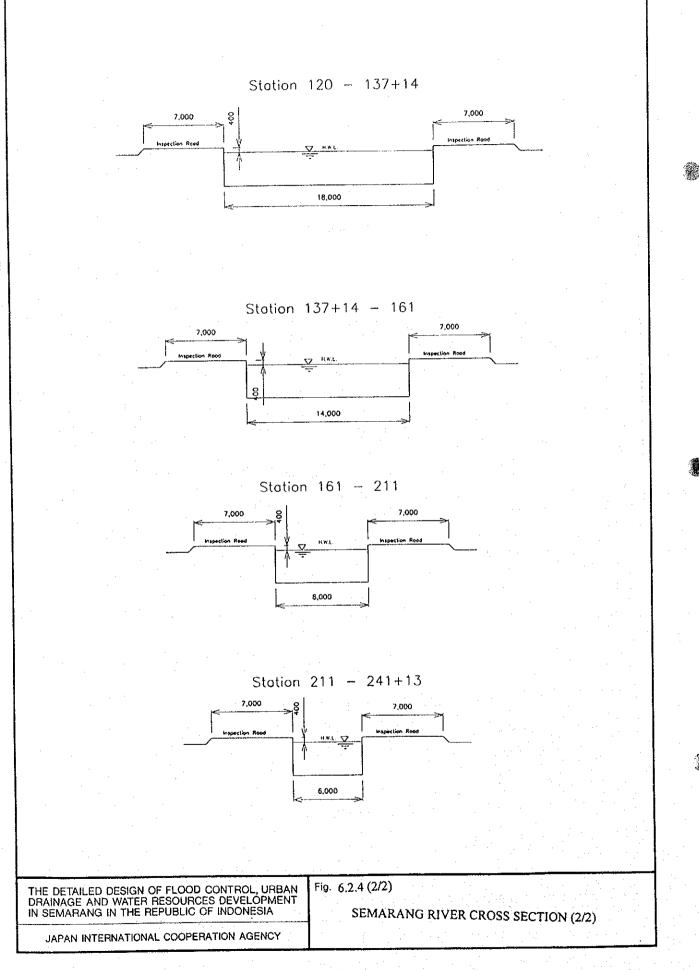
THE DETAILED DESIGN OF FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA

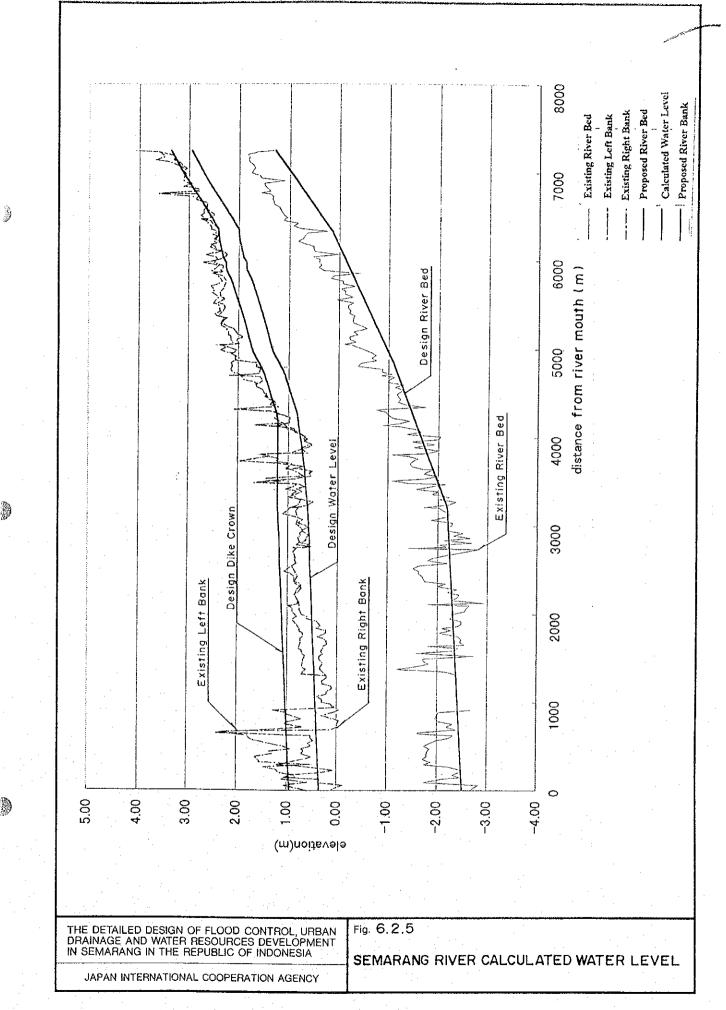
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 6.2.3 (3/3)

SEMARANG RIVER LONGITUDINAL PROFILE (3/3)







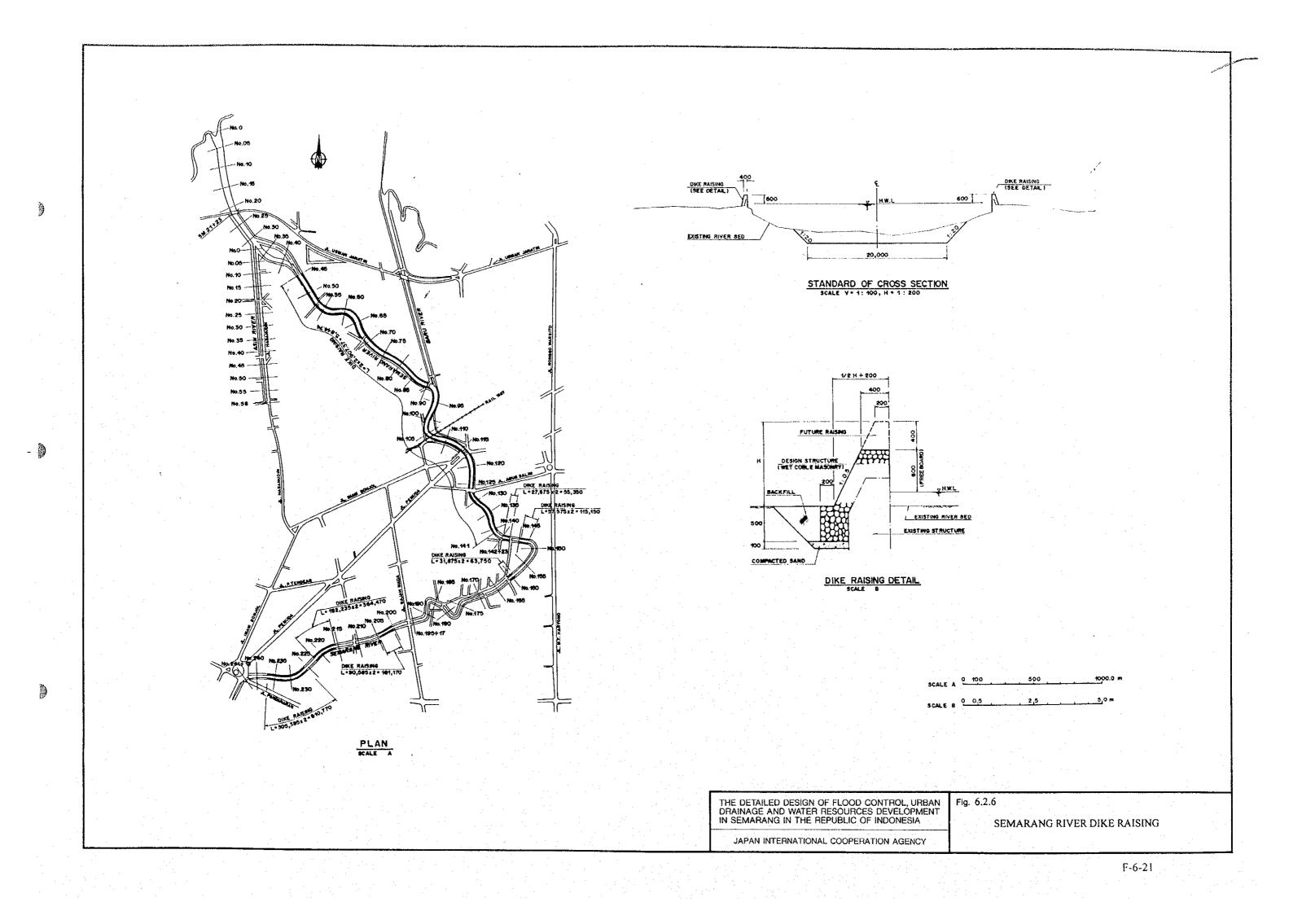
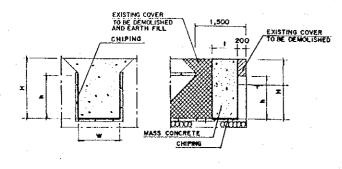


TABLE OF SECONDARY CH OCHARANA ANIES

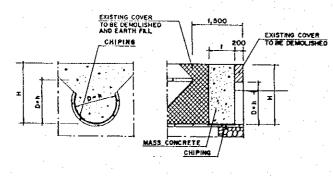
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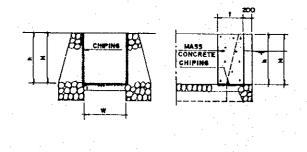
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TYPE I







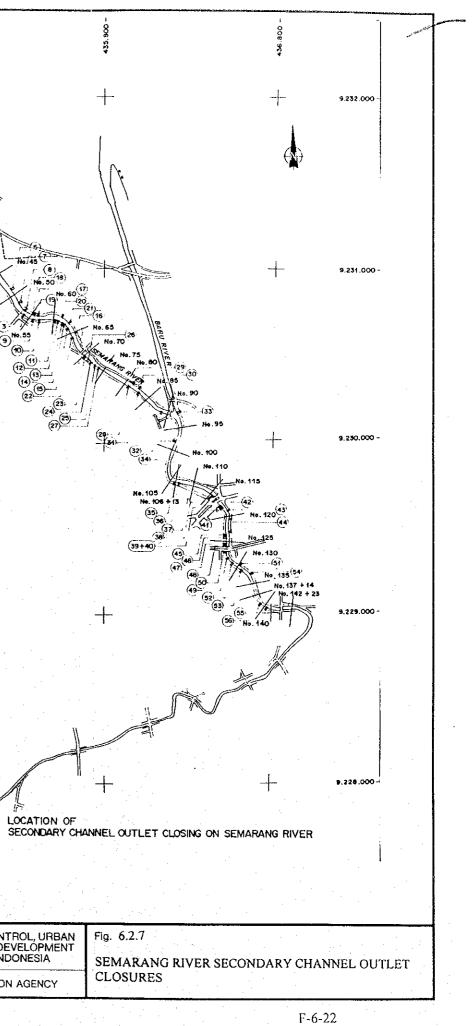
TYPE III

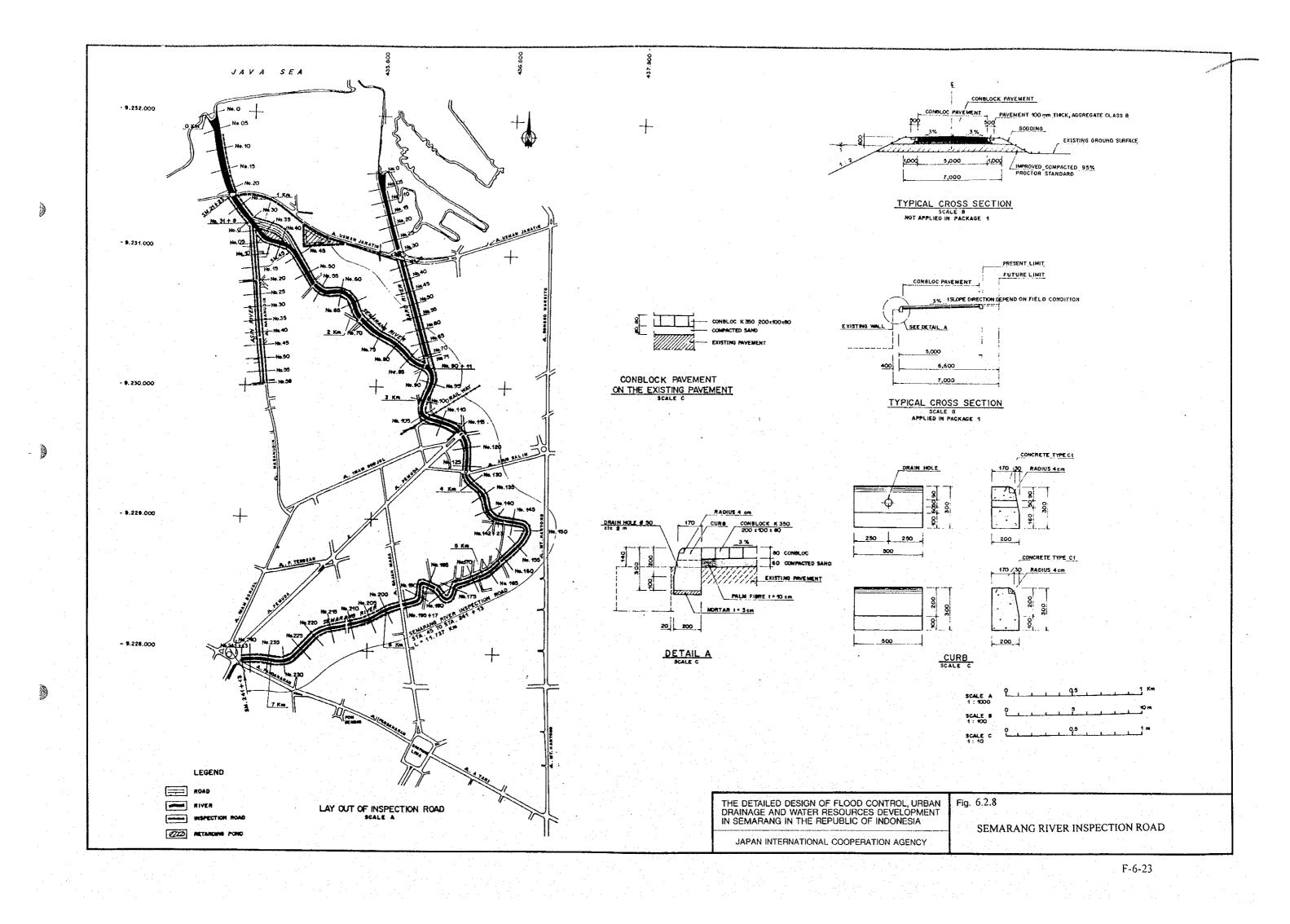
SECO	ECONDARY CHANNEL OUTLET CLOSING ON SEMARANG RIVER										
	POSITION DIMENSION			WORK VOLUME							
HO.	OF STRUCTURE	TYPE	W (mmi	h (mm)	H (mini)	1 (mm)	CHIPING (m ²)	FORM (m ²)	MASS CUNCEETE	STRUCTURE EXCAUSION (m3)	EARTH FILL (m ³)
1	SML. 24+5	1	1,500	950	1,300	500	1.70	4.15	1.04	(m ³) 1.11	
2	SML.31+5			270	1,490	500	0,64	7, 38	1.85	4.74	2,47
3	SML. 54+17	- <u>-</u>	1,010	1,230	2,550	900	3.84	12.72	5.72	10.07	7.79
4	SMR. 22+20	nt l	4,000	1,060	1,060	500	6,12	8.48	2.12		5.51
5	SMR.42+6		-	250	840	500	0.59	2.06	0.52	0.99	0.61
8	SMR. 49+11	1	1,000	1,000	1,730	650	1. 95	4.53	1, 47	2.55	2.63
7	SMR .52+29	1									
8	SMR. 54+10	Ił	-	460	1,180	500	1.08	5.73	0.93	1.77	1.12
9	SML.56+30	11	-	100	330	500	0.24	0.32	0.08	0,13	0.07
10	SML.57+31	1	460	240	730	500	0.48	1.10	0.30	0.89	0.66
11	SML . 60+12	1	510	60	550	500	0.32	1.04	0.26	0.91	0.60
12	SML .61+5	1	750	500	1,310	500	0. 66	3.26	0.62	2.67	2,18
13	\$ML.62+0	1	-	120	140	500	0.28	0.58	0.14	0.01	0.01
14	SML .62+26	!	630	590	1,490	500	0.91	3.50	0.88	3.05	2.49
15	SML .64+15	1	680	500	1,430	500	0.64	3, 87	0,92	3, 34	2.65
16	5MR . 55+11	u	-	170	630	500	0.40	1.20	0.30	0.55	0.33
17	SMR . 55+14	1		370	1,150	500	0.87	3.80	0.95	1.93	1.24
18	SMR. 55+5		850	390	1,120	500	0,82	2.97	0.74	2.35	1.87
19	SMR. 57+0	1	, .								
20	SMR.61+22	11		120	870	500	0.28	2.63	0.66	1.43	0.97
21	SMR,63+13				510	500	0.38	0.75	0,19	0.32	0,18
22	SML .66+28	1	068	530	1,380	500	0.98	3,90	0.96	3.15	2, 62
23	SML .70+11	1	2,000	1,100	2,280	800	3.36	fl.90	. 4.76	8.66	7.22
24	SML .72+19		970	850	1,860	650	1.74	5.65	1.84	4.52	3.71
25	SML .73+29	- 11	-	170	830	500	0.40	2.24	0.56	1.15	0.73
26 27	SML .72+28	1	600	1,720	2,840	1,050	4.24	5.92	3.11	-4.67	3.22
20	SML .74+33	<u> </u>	480	1,340	2,270	850	2.69	3.91	1.66	2.99	2.32
29			720	1,720	2,650	1,000	4.16	5,55	2.78	3,42	3.01
30	SMR. 81 +19 SMR. 83+8	1	510 540	1,760	2,810 2,770	1,050	4.23	5.07	2.66	3.90	2.85
34	SML. 83+13	1	2,780	1,230	2,460	1,050	4, 16	5.24	2.75	4.04	2.94
32	SML. 89+27		1,600	1,220	2,210	800	4.45	16.70 9,03	7.10	11.36 5.60	9.82
33	SMR .91+3	1	2,720	2,000	4,160	1,550	10.42	31.96	24.77	32.23	25.86
34	SML.98+6	1	730	870	4, 370	500	1.24	2.50	0.63	1.14	1.49
35	SML .106+6	1	2,450	1,440	2,840	1,000	5.33	17.84	8.92	13.23	10.36
36	SML .107+22	1	1,990	820	1,800	600	2.10	9.08	2.72	6.26	6.43
37	SHIL ,115+22	1	_	600	1,380	500			ŀ · −		
38	SML .115+24	<u> "</u>	2,320	·		+	1.41	4.70	1.17	2.+9	1.39
39	SML . 118+32	<u>-</u> -		1,700	2,660	1,000	5.72	7.00	3.50	6.68	7.13
40	SML. 116+32	"	910	620	950	500	2.36	8.51	2,96	3.77	2.56
41	SML, 116+33	Ĥ		280	610	500	1.08	1.95	0.49	0.70	1.04
42	SMR. (19+14	1	800	500	640	500	0.60	0.93	0.23	0.35	0.20
43	SMR.120+22	i	1,172	500	610	500	1.09	1.45	0.36	0.16	0.41
44	SMR .123+2	11	1-	600	1,170	500	0.66	3.23	0.81	1.28	0.81
45	SML . 123+11	I	500	650	910	500	0.90	1.05	0.26	0.33	0.56
48	SML 124+29	T	\$10	1,100	1,110	500	1,41	1. 35	0.34	0.11	0.50
47	SML.128+1	1	610	730	1,130	500	1.04	1.70	0.43	0.72	0.95
48	SML .126+2	. H	-	600	810	500	0.66	1.24	0.31	0.28	0.21
49	SML .128+1	M		1,000	1,670	700	2.36	8.07	2.82	3.48	2.10
50	SML.128 +29	N	-	130	890	500	0,31	2.75	0,68	1, 49	1.00
51	SMR.430+18	1	-	800	1,530	550	1.88	5,47	1.50	2.28	1.'48
52	SML,128+33	1	-	1,000	2,060	700	2.36	10.23	3,60	5.03	3, 16
53	3ML .131 +2	H	-	1,000	1,830	650	2.36	7.64	2,48	3.15	2.08
54	SMR.153+20	11	-	800	1,290	500	1.88	3.53	0.88	1, 16	0.62
55	3ML .139+11	н	<u> -</u>	800	1,090	500	1.88	2.25	0.57	0.53	0.46
56	SML .140+32	8	-	800	1,130		1.88	2,49	0,62	0.84	0.51
L				TOTA	L VOLU	ME	108,13	216.28	112.97	179.71	152.93

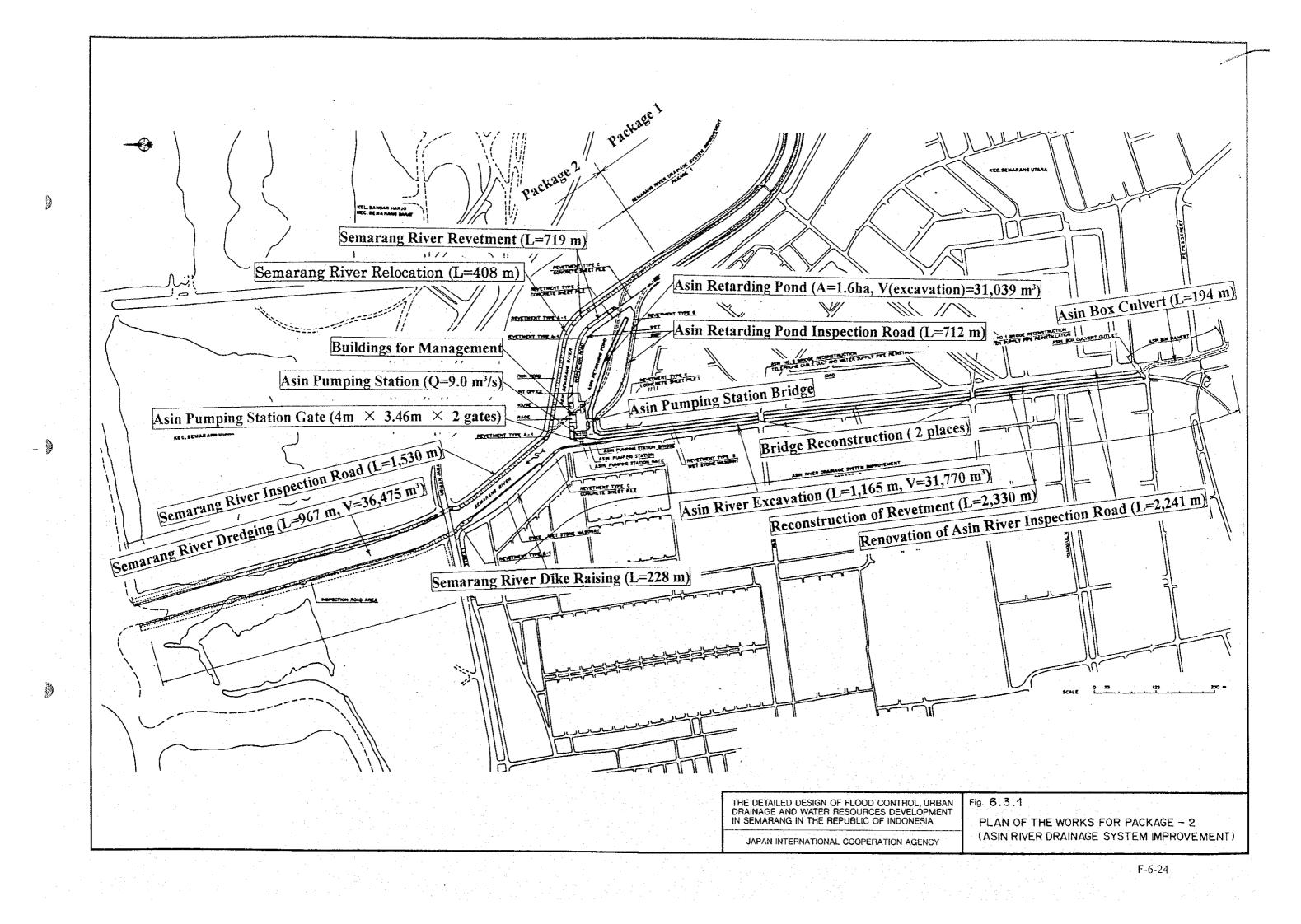
NOTE : 2 NUMBER OF CLOSED STRUCTURE

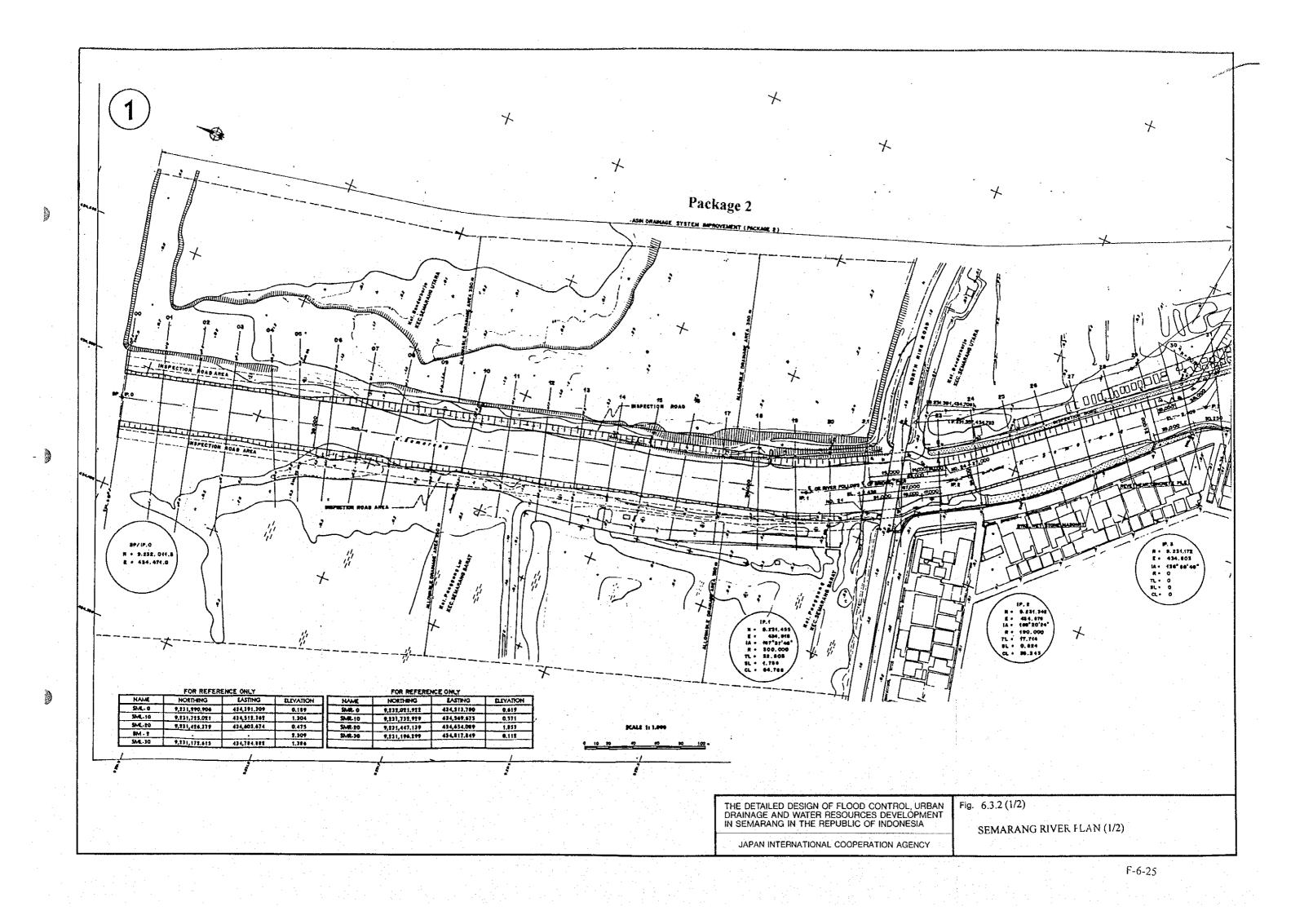
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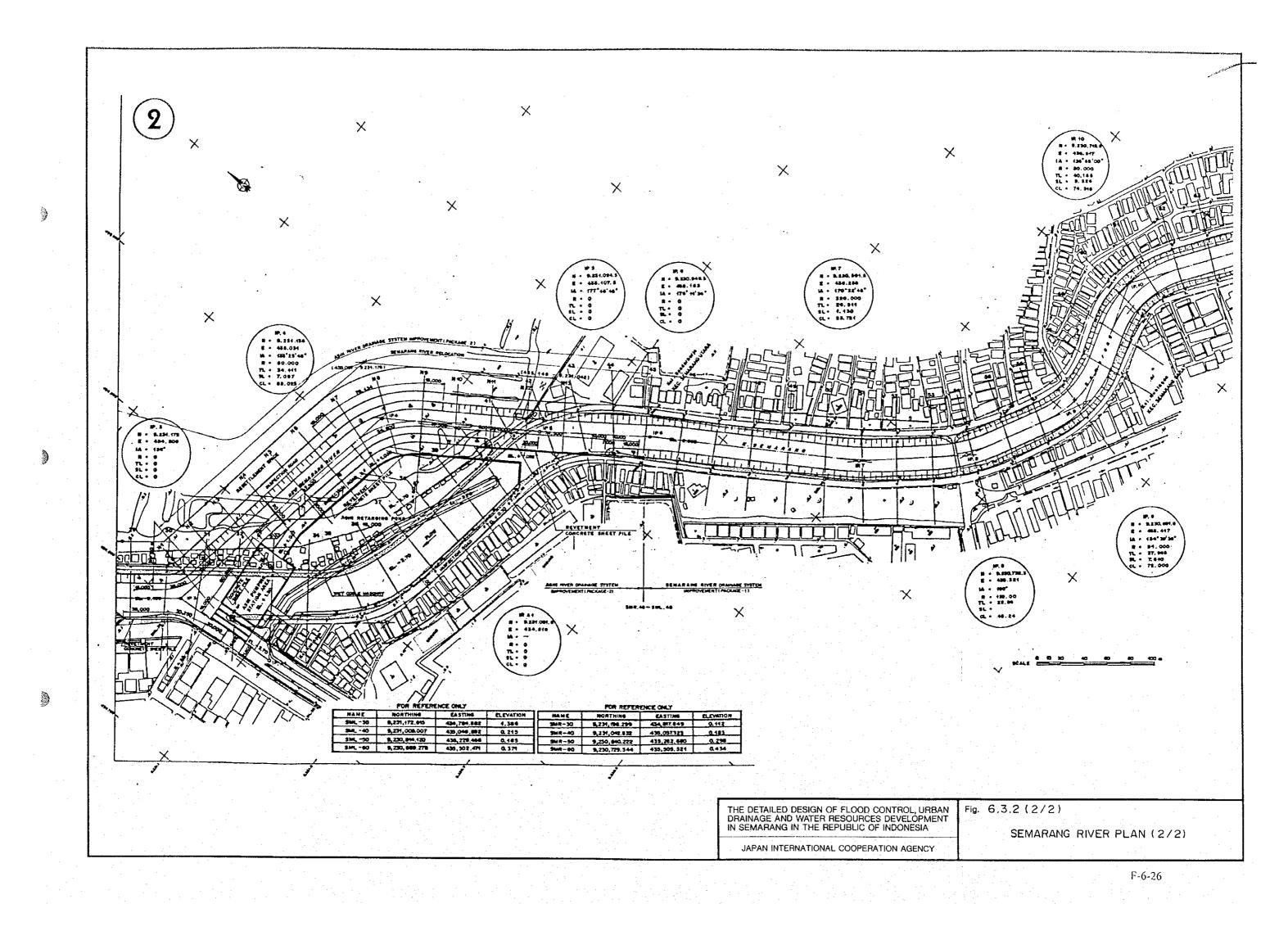
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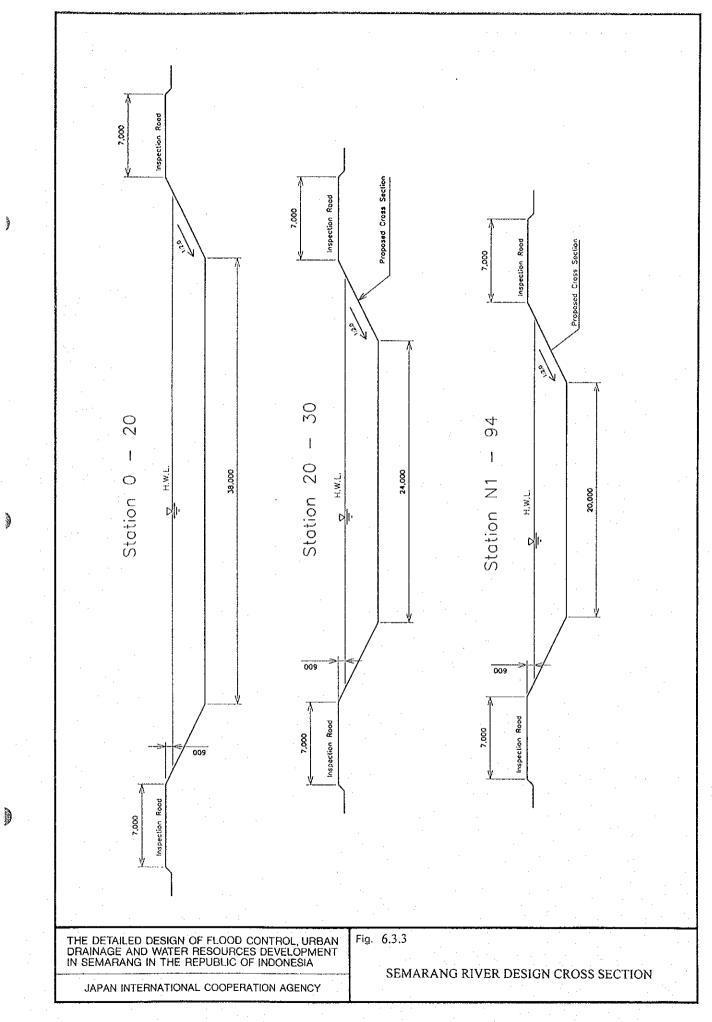


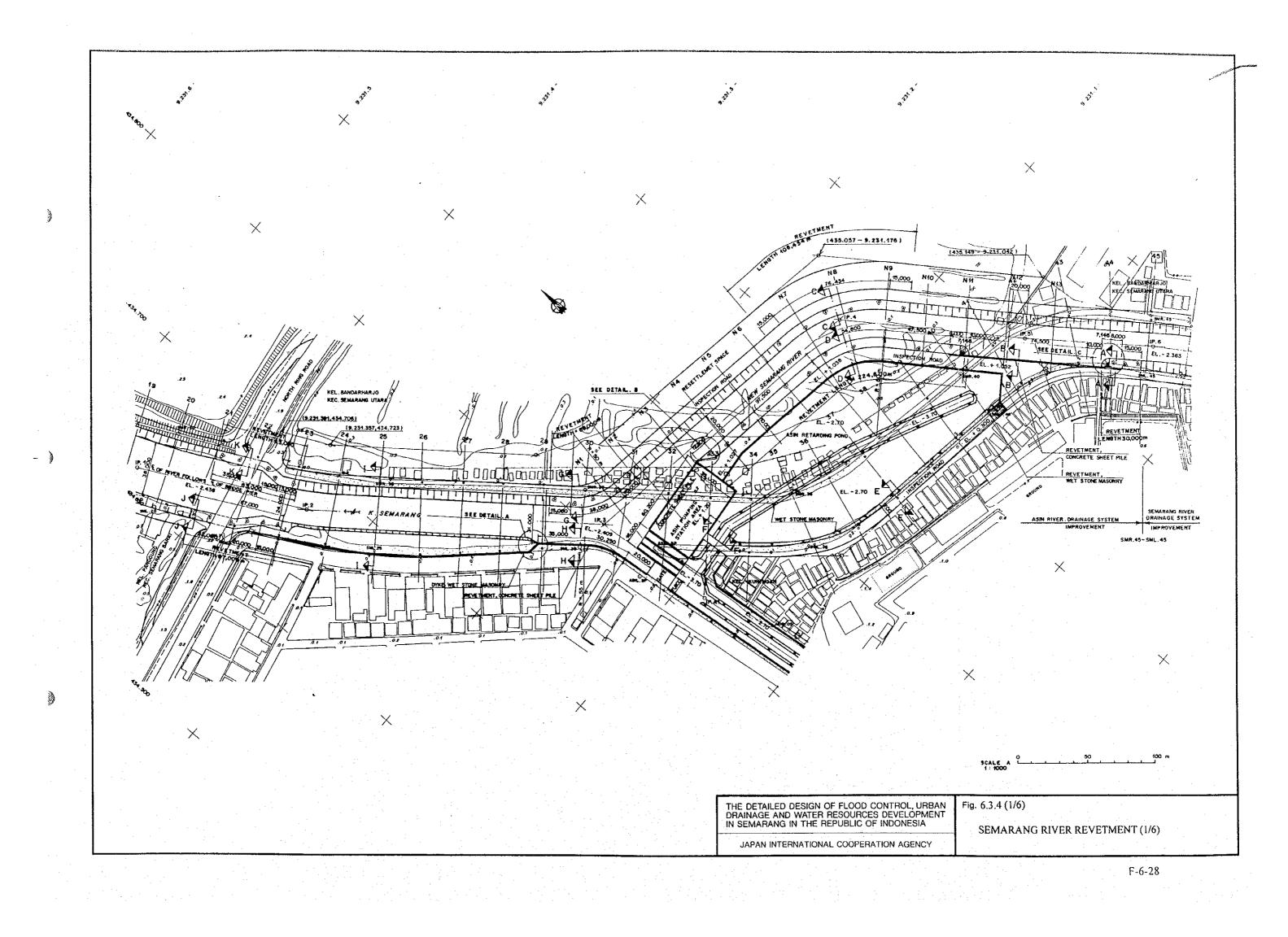


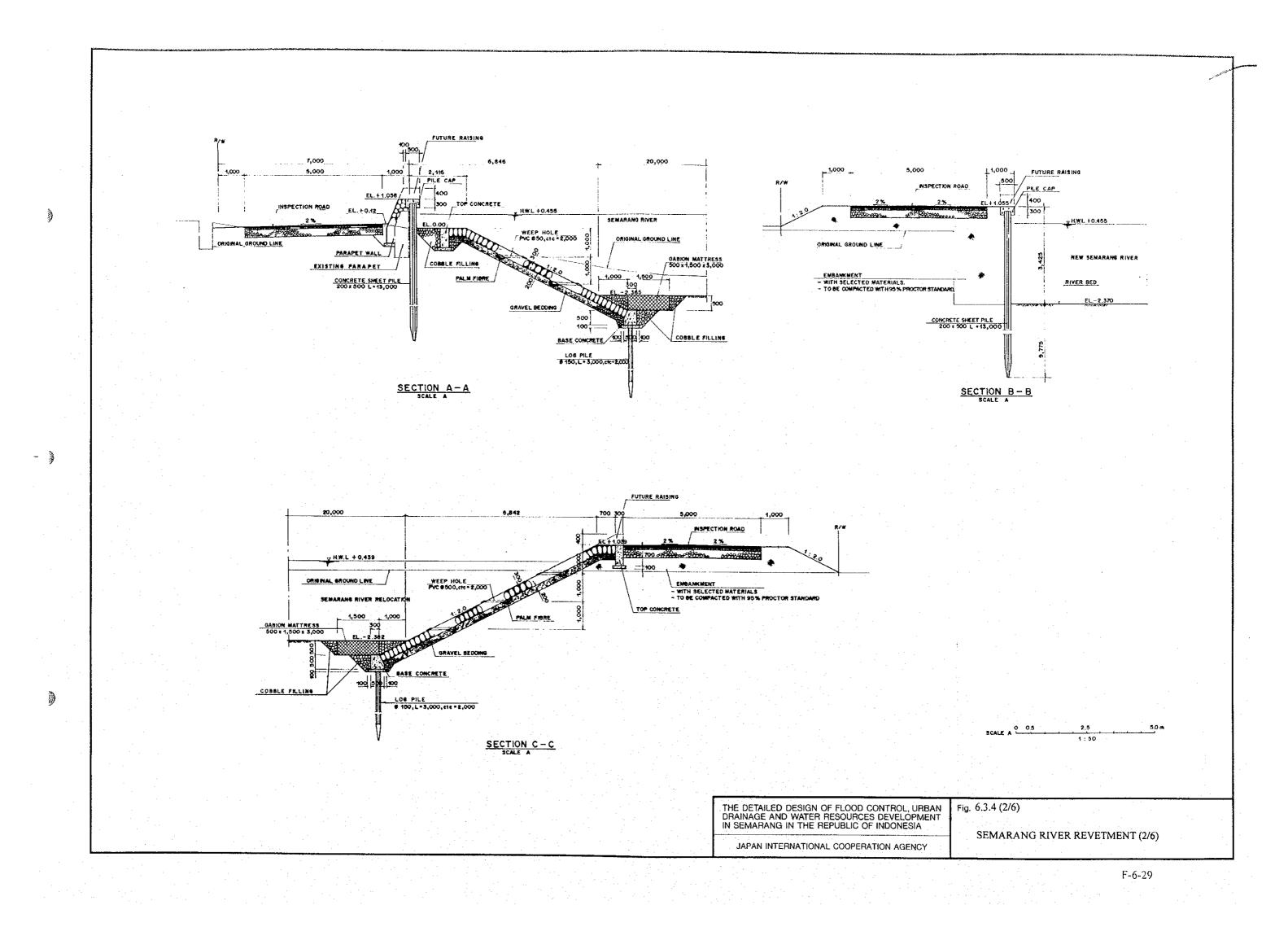


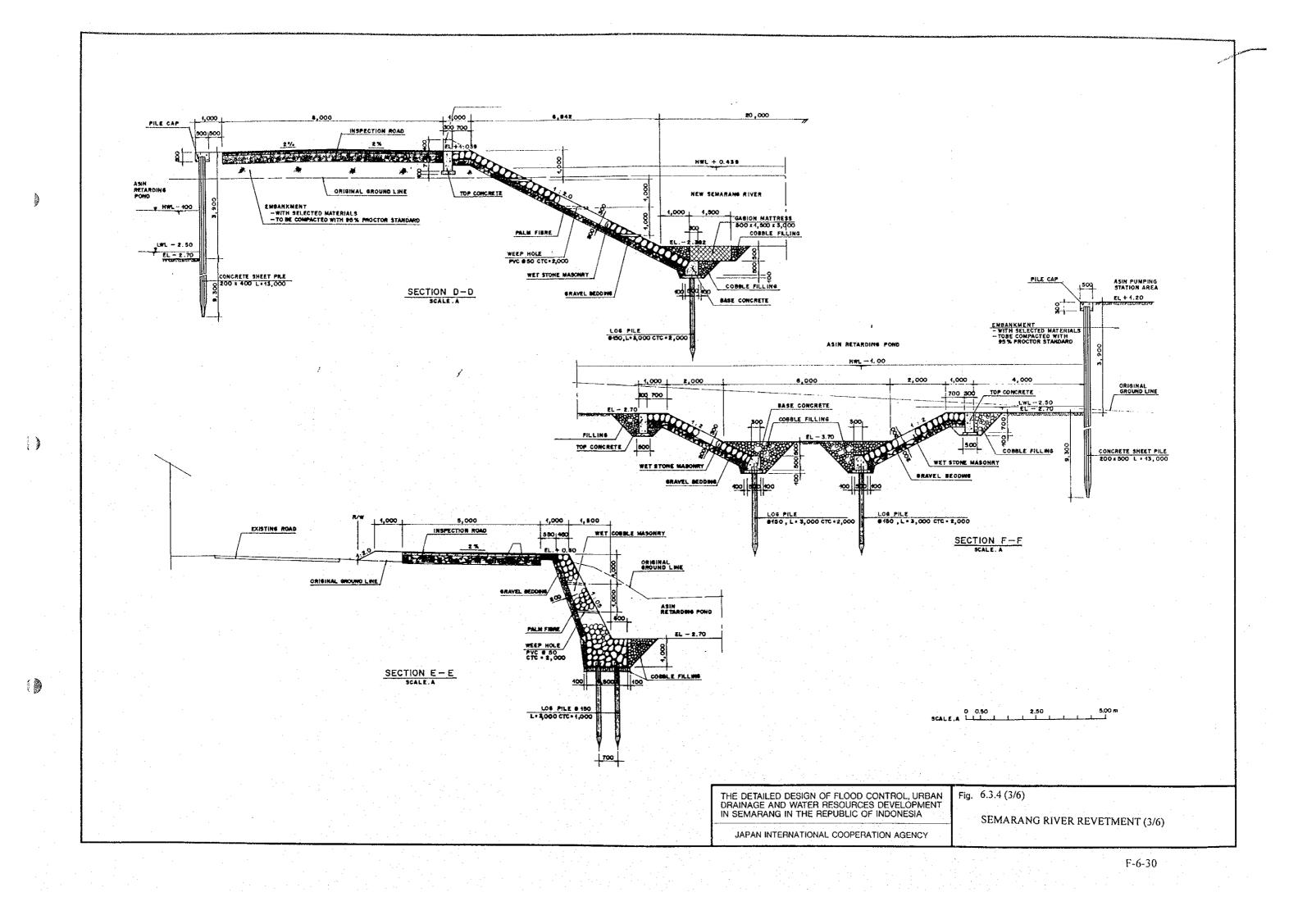


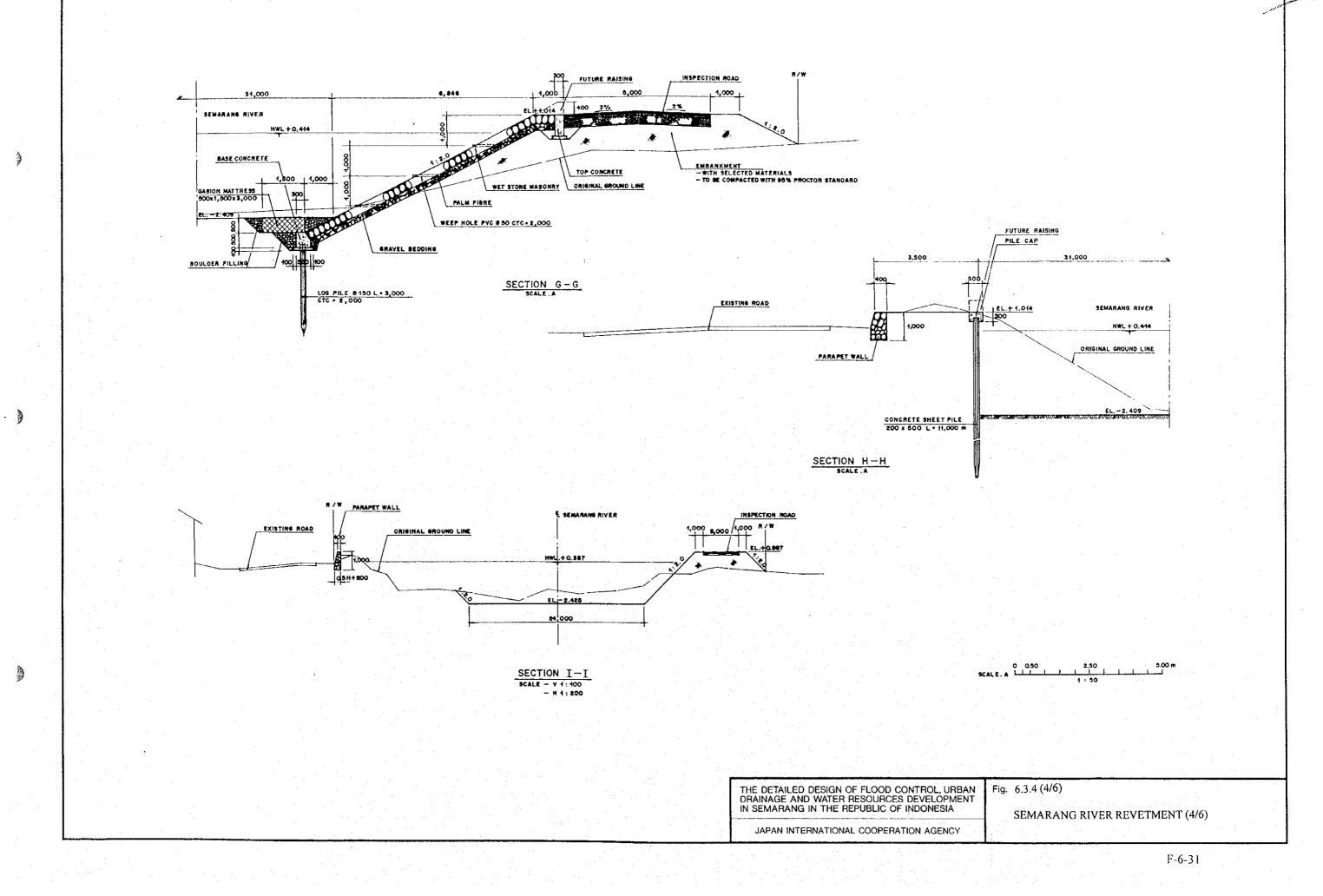


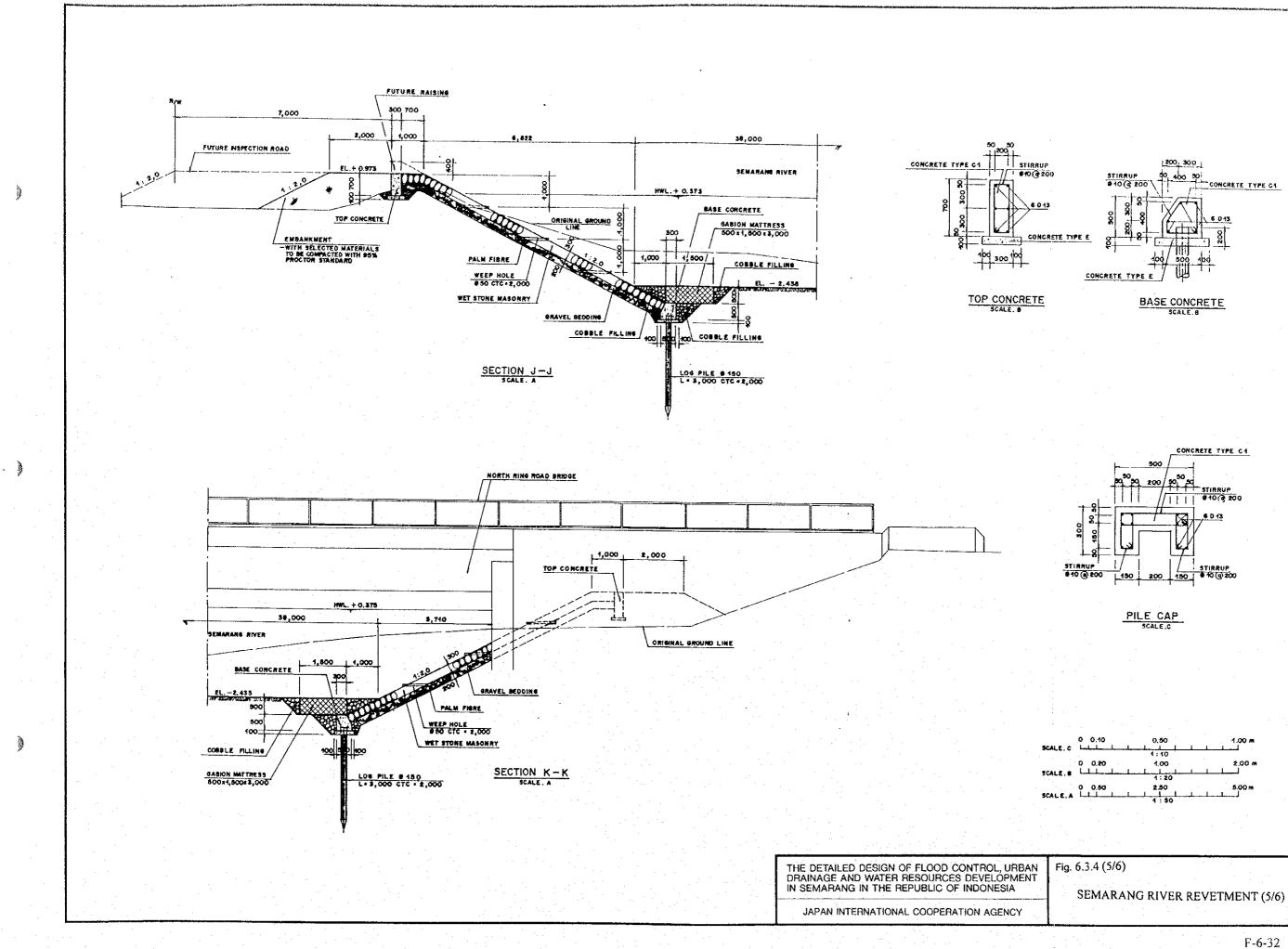


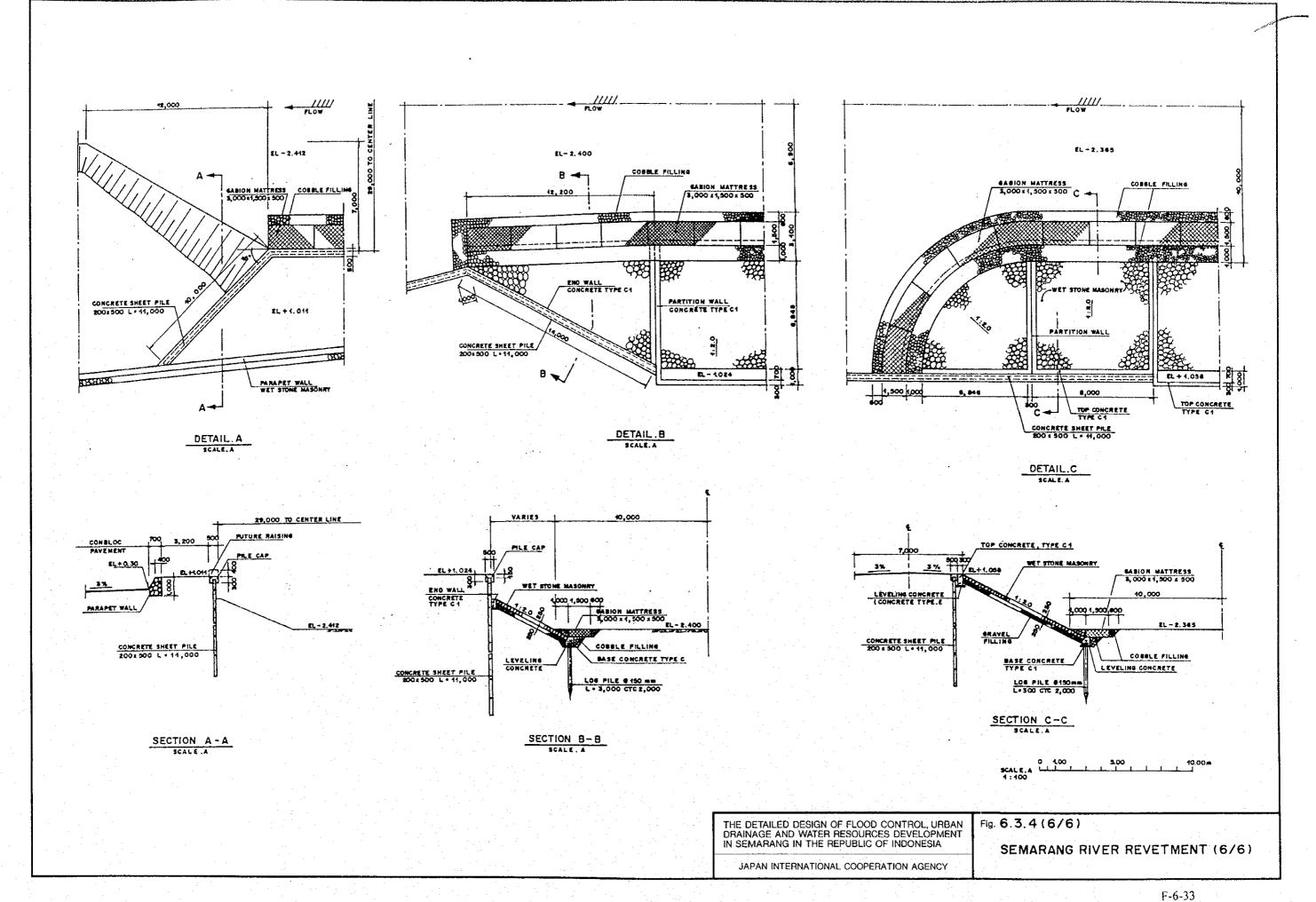








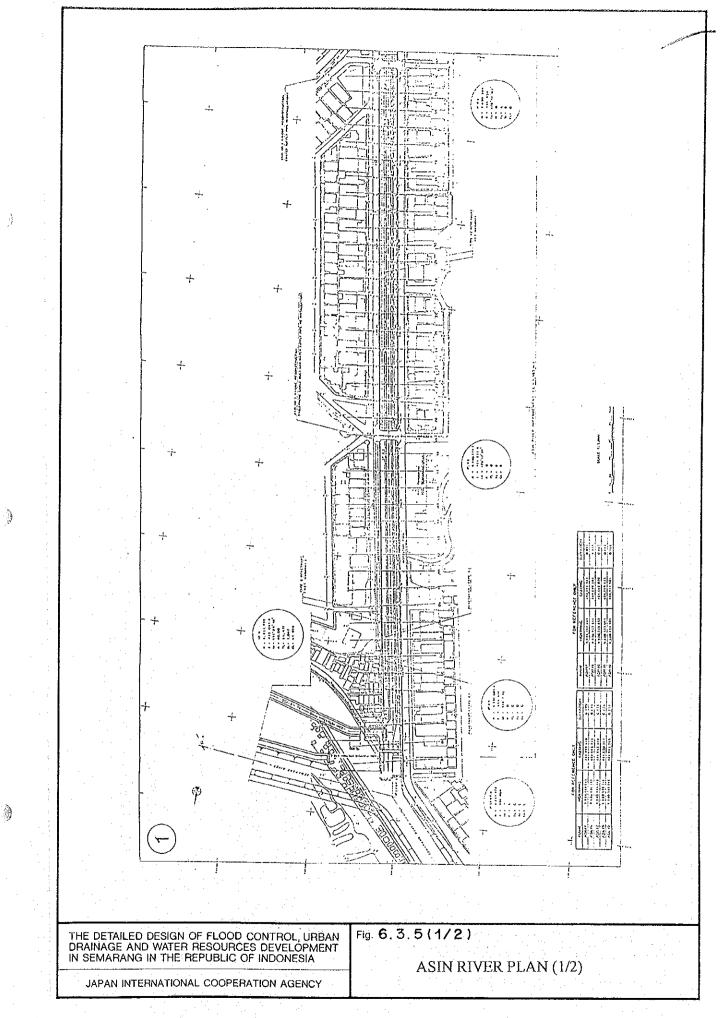


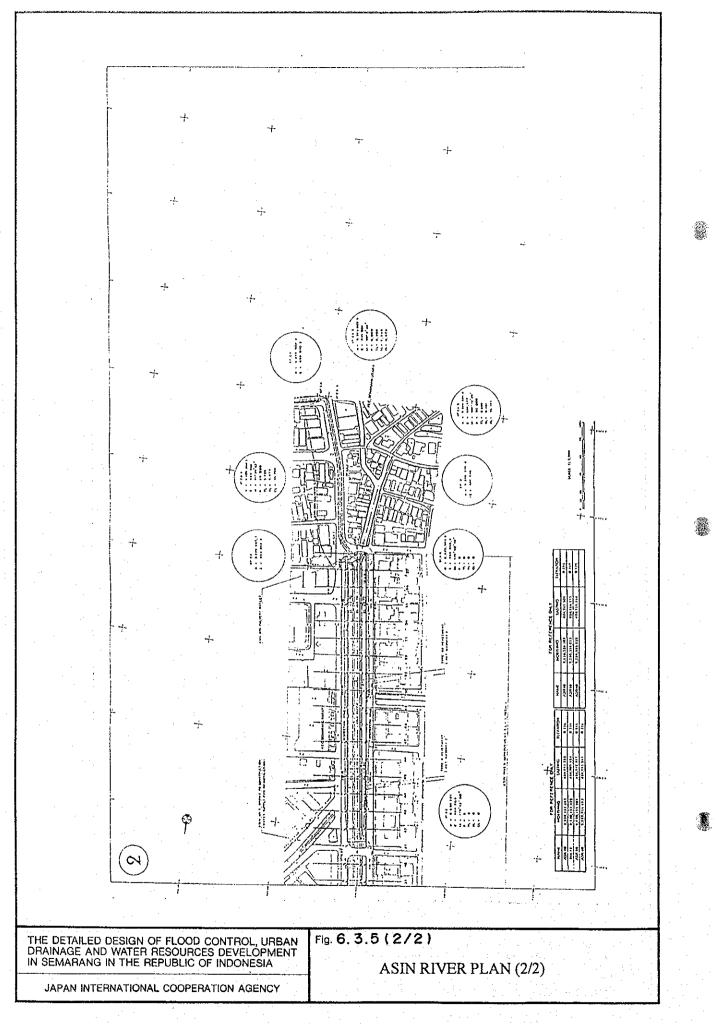


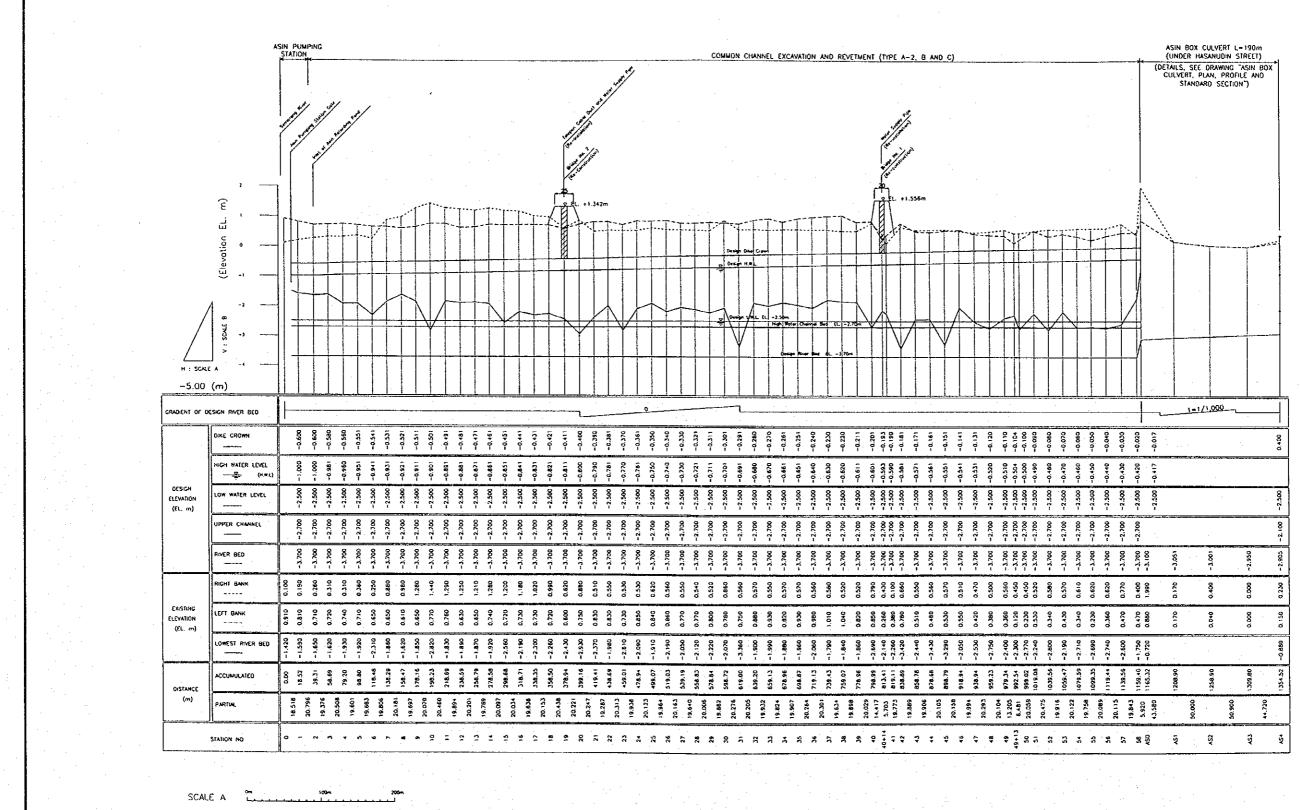
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SCALE B

THE DETAILED DESIGN OF FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA Fig. 6.3.6 ASIN RIVER LONGITUDINAL PROFILE JAPAN INTERNATIONAL COOPERATION AGENCY

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