

4

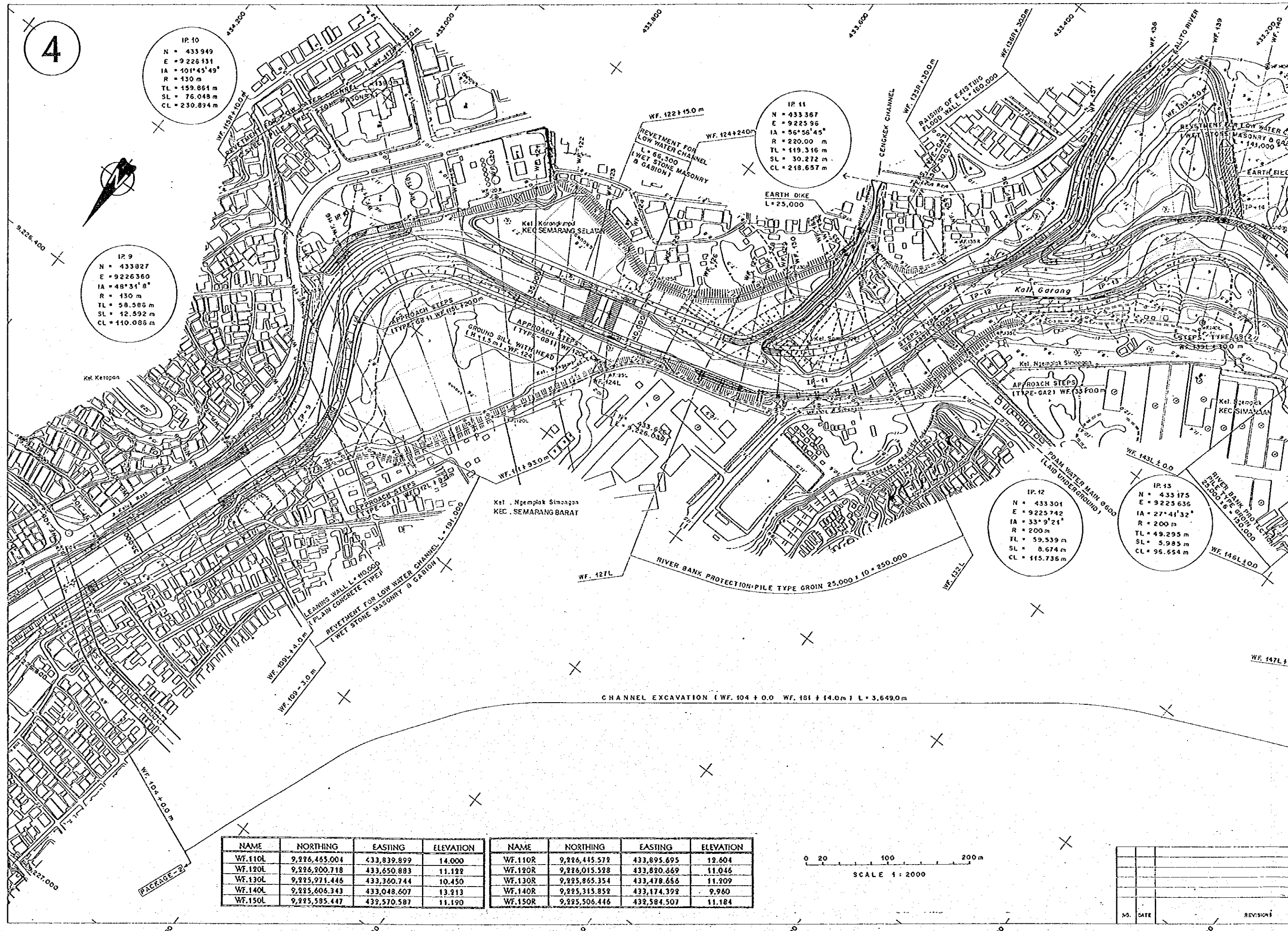
IP. 10
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 E = 9 226 131
 IA = 101° 45' 49"
 R = 130 m
 TL = 159.861 m
 SL = 76.048 m
 CL = 230.834 m

IP. 9
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 E = 9 226 360
 IA = 48° 34' 8"
 R = 130 m
 TL = 58.585 m
 SL = 12.592 m
 CL = 110.086 m

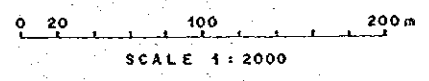
IP. 11
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 E = 9 225 96
 IA = 56° 56' 45"
 R = 220.00 m
 TL = 119.316 m
 SL = 30.272 m
 CL = 219.657 m

IP. 12
 N = 433 301
 E = 9 225 742
 IA = 33° 9' 21"
 R = 200 m
 TL = 59.539 m
 SL = 8.674 m
 CL = 115.736 m

IP. 13
 N = 433 175
 E = 9 225 636
 IA = 27° 41' 32"
 R = 200 m
 TL = 49.295 m
 SL = 5.985 m
 CL = 95.654 m

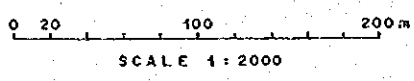
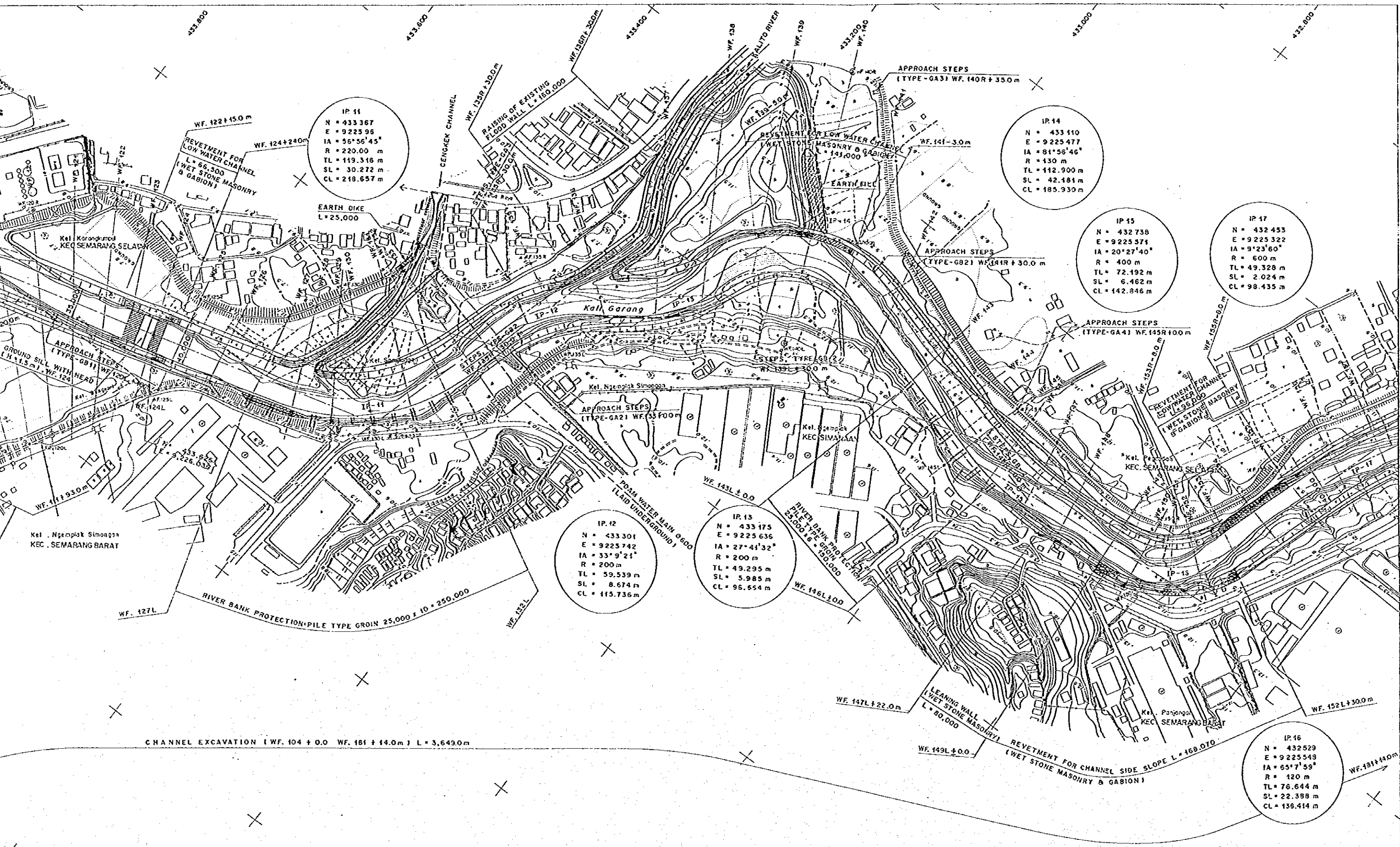


NAME	NORTHING	EASTING	ELEVATION	NAME	NORTHING	EASTING	ELEVATION
WF.110L	9,226,465.004	433,839.899	14.000	WF.110R	9,226,445.572	433,895.695	12.604
WF.120L	9,226,200.718	433,650.883	11.122	WF.120R	9,226,015.528	433,820.869	11.046
WF.130L	9,225,971.446	433,360.744	10.450	WF.130R	9,225,865.354	433,478.666	11.209
WF.140L	9,225,606.343	433,048.607	13.213	WF.140R	9,225,313.852	433,174.392	9.960
WF.150L	9,225,595.447	432,570.587	11.190	WF.150R	9,225,506.446	432,584.507	11.184




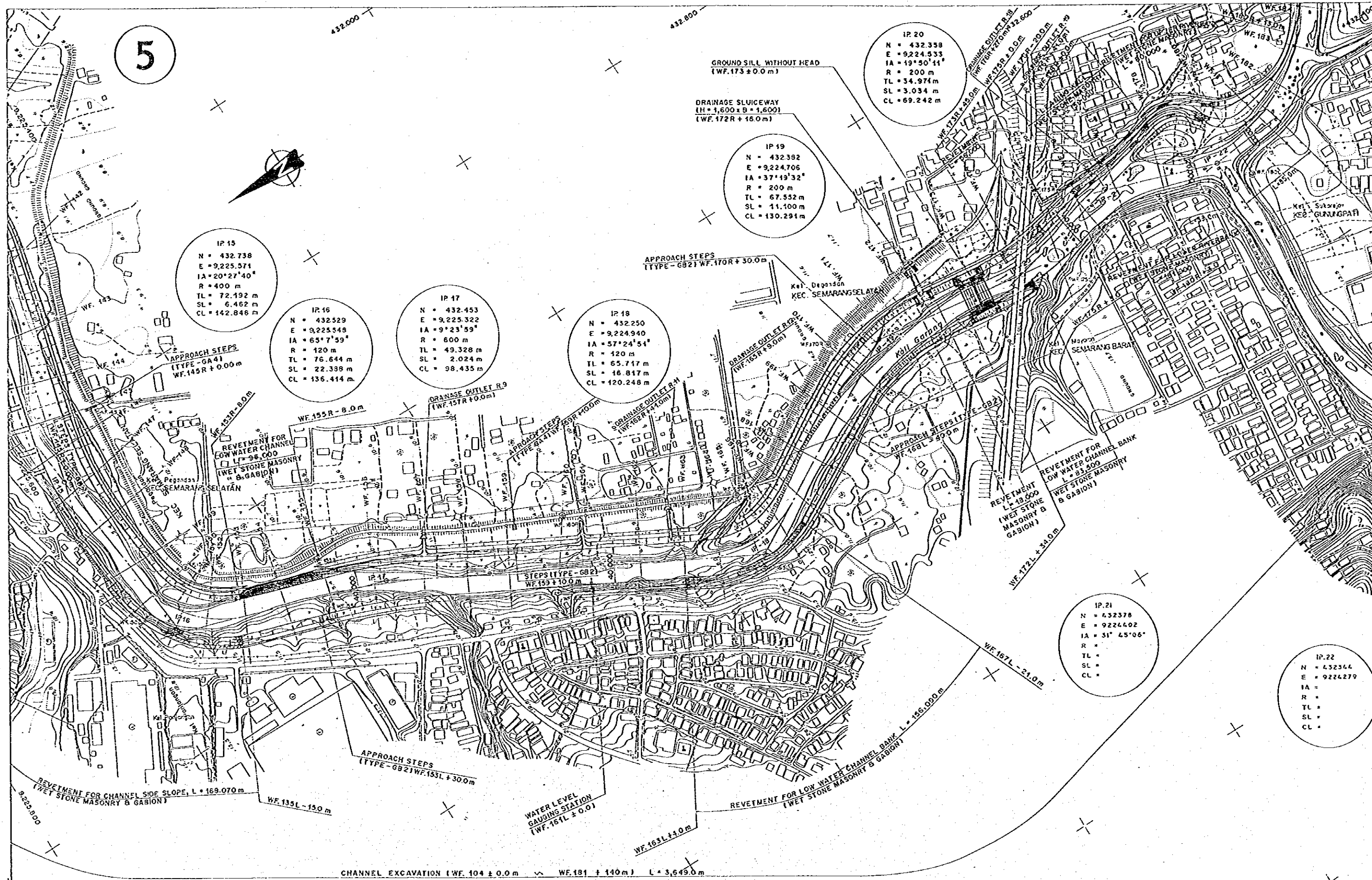
NO.	DATE	REVISIONS

CHANNEL EXCAVATION (WF. 104 + 0.0 WF. 161 + 14.0m) L = 3,649.0m

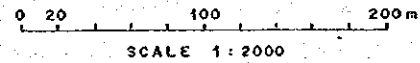


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

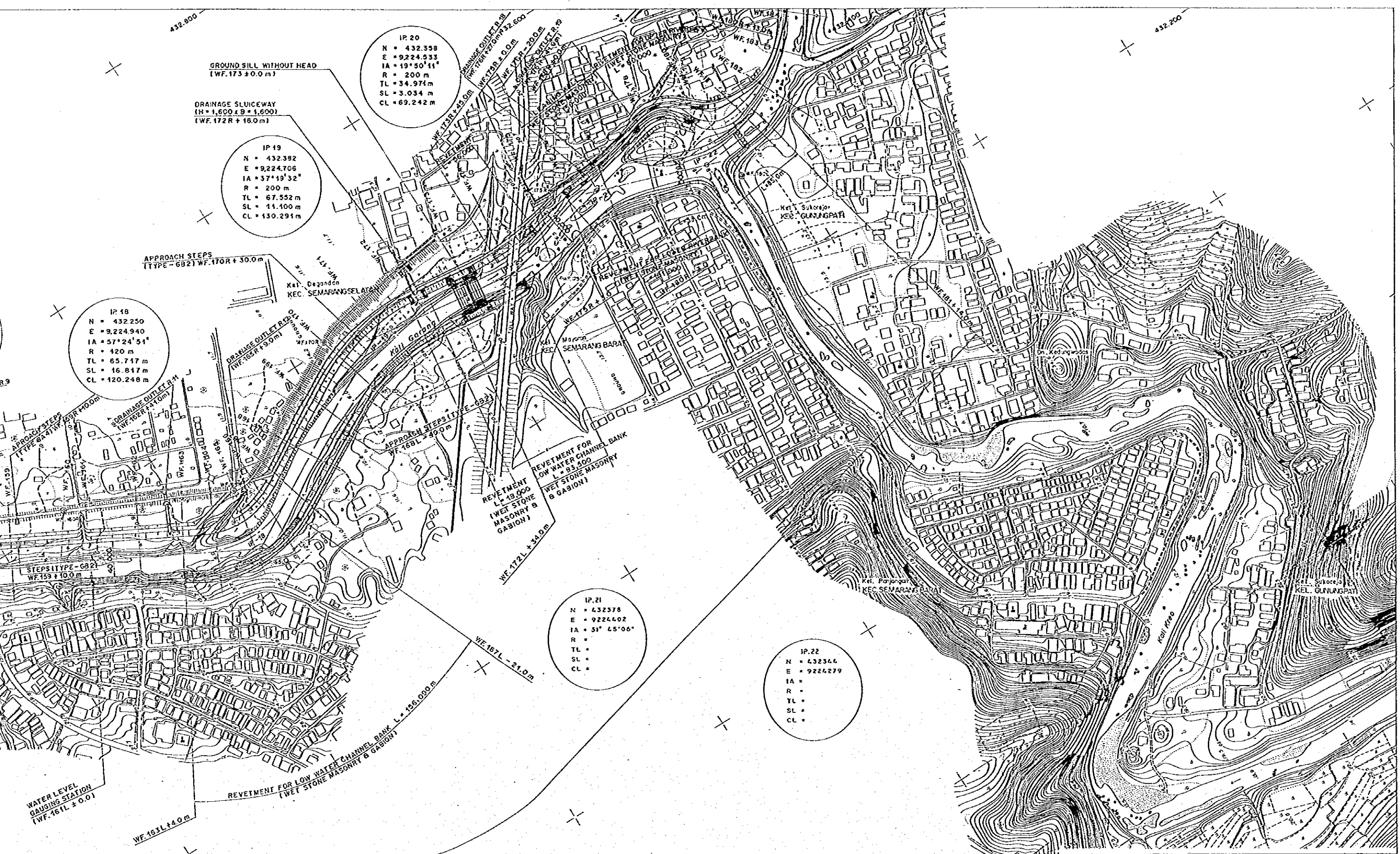
 <p>THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT</p>	<p>PROVINCE CENTRAL JAYA</p>
	<p>PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCE DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA</p>
	<p>COMPONENT : WEST FLOODWAY/GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS GARANG RIVER PLAN OF RIVER CHANNEL (5/8)</p>
	<p>DISTRICT SEMARANG CITY</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CONSULTANTS INTERNATIONAL PT. NINE STAR CONSULTING ENGINEERS</p>	<p>DRAWING NO. W2-PI-CH-PI-6 SHEET NO. 8</p>
<p>DESIGNED CHECKED PROJECT MANAGER</p>	<p>DATE CONTRACT NO.</p>



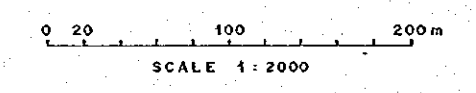
NAME	NORTHING	EASTING	ELEVATION	NAME	NORTHING	EASTING	ELEVATION
WF.150L	9,225,585.447	432,570.587	11.190	WF.150R	9,225,506.446	432,584.507	11.184
WF.160L	9,225,164.235	432,336.425	9.321	WF.160R	9,225,113.825	432,406.006	14.482
WF.170L	9,224,736.620	432,322.047	9.475	WF.170R	9,224,758.219	432,403.999	14.260
WF.180L	9,224,250.068	432,311.727	12.149	WF.180R	9,224,251.145	432,405.201	11.827



NO.	DATE	REVISIONS



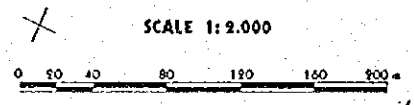
EASTING	ELEVATION
32,584.507	11.184
32,406.006	14.482
32,403.999	14.260
32,405.201	11.827



NO.	DATE	REVISIONS	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT: WEST FLOODWAY / GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS GARANG RIVER PLAN OF RIVER CHANNEL (6/8)		PROJECT NAME FLOOD CONTROL, URBAN SPAN AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN		DISTRICT SEMARANG CITY DRAWING NO. WS-P1-CH-P1-7 SHEET NO. 9 DATE CONTRACT NO.
APPROVED PROJECT MANAGER		GATE CONTRACT NO.

5A



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE : CENTRAL JAVA
JATUNSELUNA FLOOD CONTROL PROJECT COMPONENT: WEST FLOODWAY/GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS GARANG RIVER PLAN OF RIVER CHANNEL (7/8)		PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT : SEMARANG CITY
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANT INTERNATIONAL PABCO INTERNATIONAL INC.		DRAWING NO : WS-PI-01-PI-8 SHEET NO : 10
DESIGNED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DATE CONTRACT NO :
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		

4A



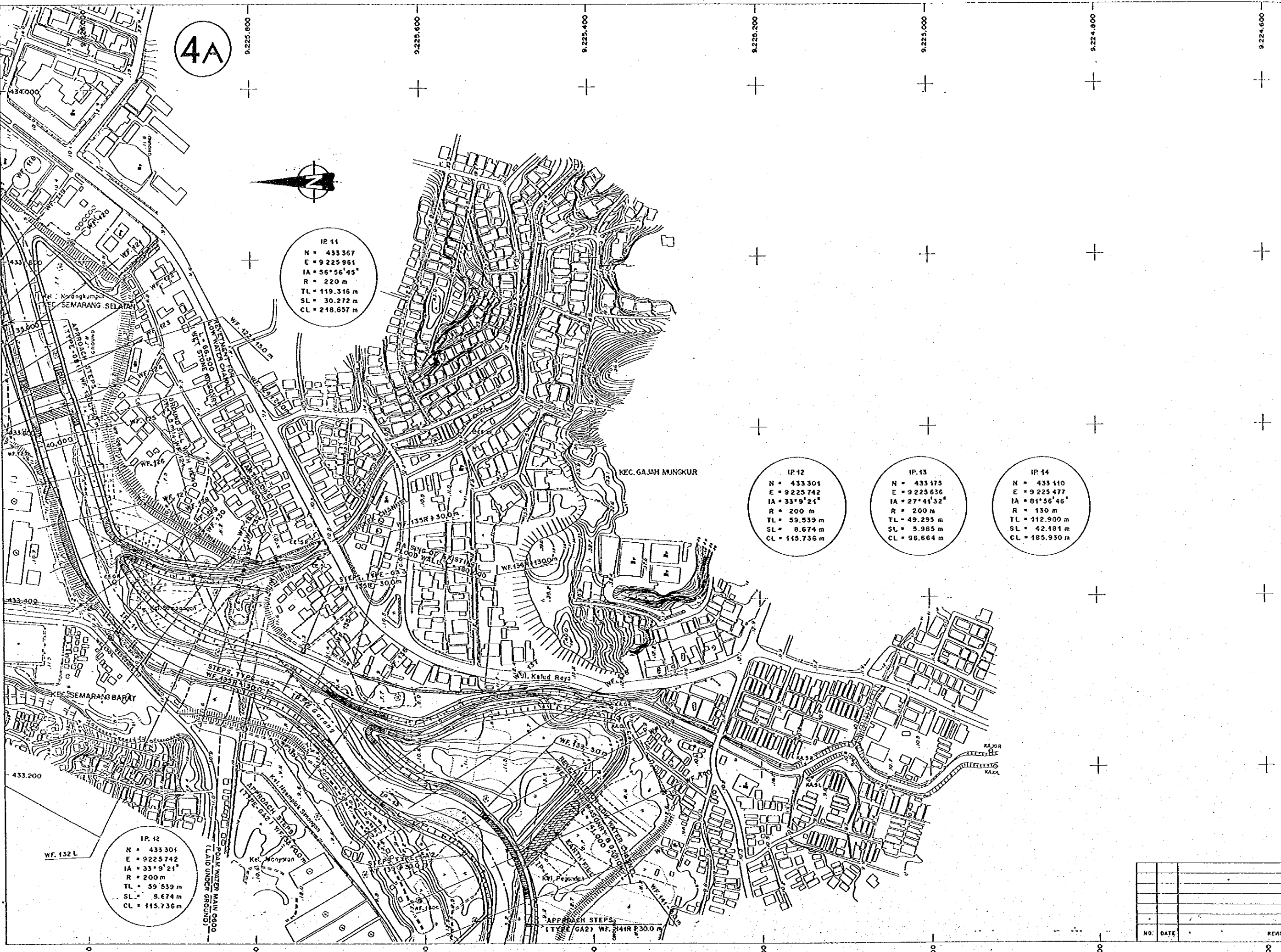
IP. 11
 N = 433 367
 E = 9 225 961
 IA = 56° 56' 45"
 R = 220 m
 TL = 119.316 m
 SL = 30.272 m
 CL = 218.657 m

IP. 12
 N = 433 304
 E = 9 225 742
 IA = 33° 9' 21"
 R = 200 m
 TL = 59.539 m
 SL = 8.674 m
 CL = 115.736 m

IP. 13
 N = 433 175
 E = 9 225 636
 IA = 27° 41' 32"
 R = 200 m
 TL = 49.295 m
 SL = 5.985 m
 CL = 98.664 m

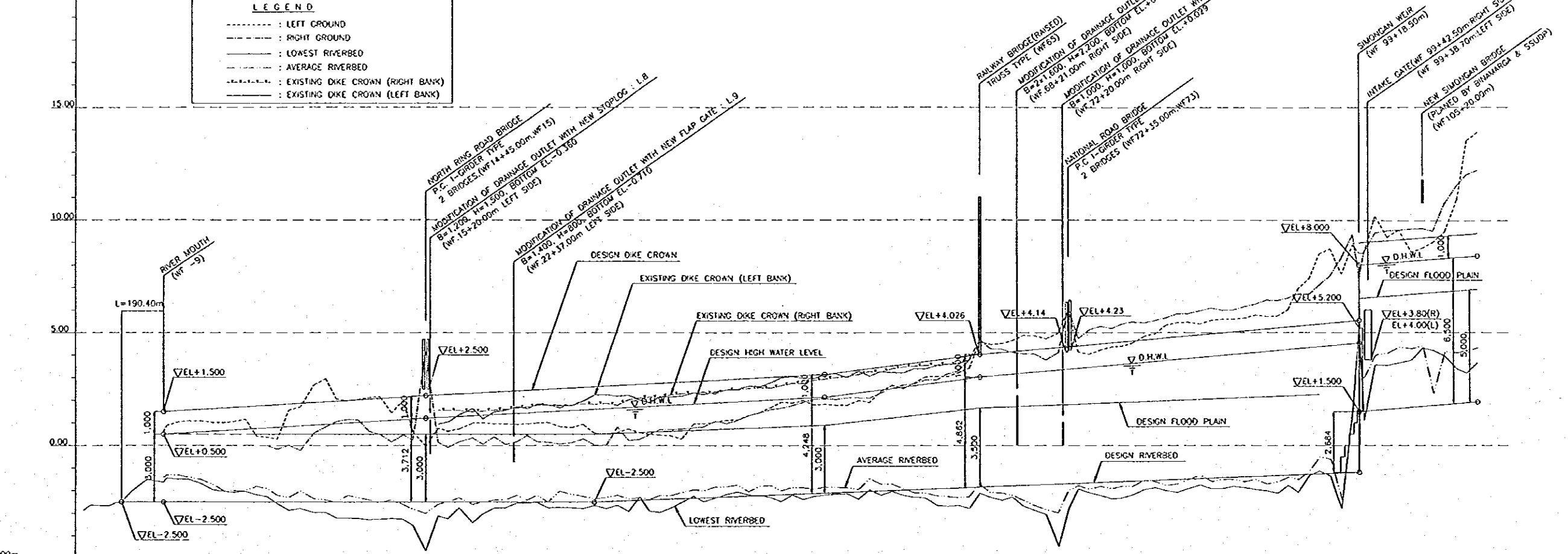
IP. 14
 N = 433 110
 E = 9 225 477
 IA = 81° 56' 46"
 R = 130 m
 TL = 112.900 m
 SL = 42.181 m
 CL = 185.930 m

IP. 12
 N = 433 304
 E = 9 225 742
 IA = 33° 9' 21"
 R = 200 m
 TL = 59.539 m
 SL = 8.674 m
 CL = 115.736 m

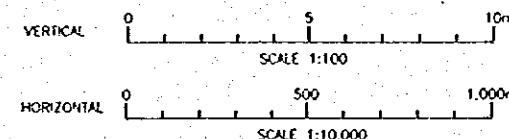


NO.	DATE	REASONS

(El. m) 20.00



GRADIENT OF DESIGN H.W.L		0.000	$i=1/1650$ $L=1174.38m$	1.212	$i=1/1950$ $L=1822.42m$	2.140	$i=1/800$ $L=703.39m$	3.026	$i=1/1150$ $L=1728.00m$	4.000	$i=1/1250$
GRADIENT OF DESIGN RIVERBED		-2.000	LEVEL $L=1940.73m$		-2.000	$i=1/2550$ $L=3457.46m$		-1.300	$i=1/1250$	-1.300	$i=1/1250$
DESIGN ELEVATION	DIKE CROWN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	HIGH WATER LEVEL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
	RIVERBED	-2.500	-2.500	-2.500	-2.500	-2.500	-2.500	-2.500	-2.500	-2.500	-2.500
EXISTING ELEVATION	RIGHT GROUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LEFT GROUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LOWEST RIVERBED	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50	-2.50
DISTANCE	ACCUMULATED (m)	0.00	1174.38	2348.76	3523.14	4697.52	5871.90	7046.28	8220.66	9395.04	10569.42
	PARTIAL (m)	0.00	1174.38	1174.38	1174.38	1174.38	1174.38	1174.38	1174.38	1174.38	1174.38
STATION NO.		0+00	1+174.38	2+348.76	3+523.14	4+697.52	5+871.90	7+046.28	8+220.66	9+395.04	10+569.42



NO.	DATE	REVISIONS	ORIGINATED	DRAWN	APPROVED

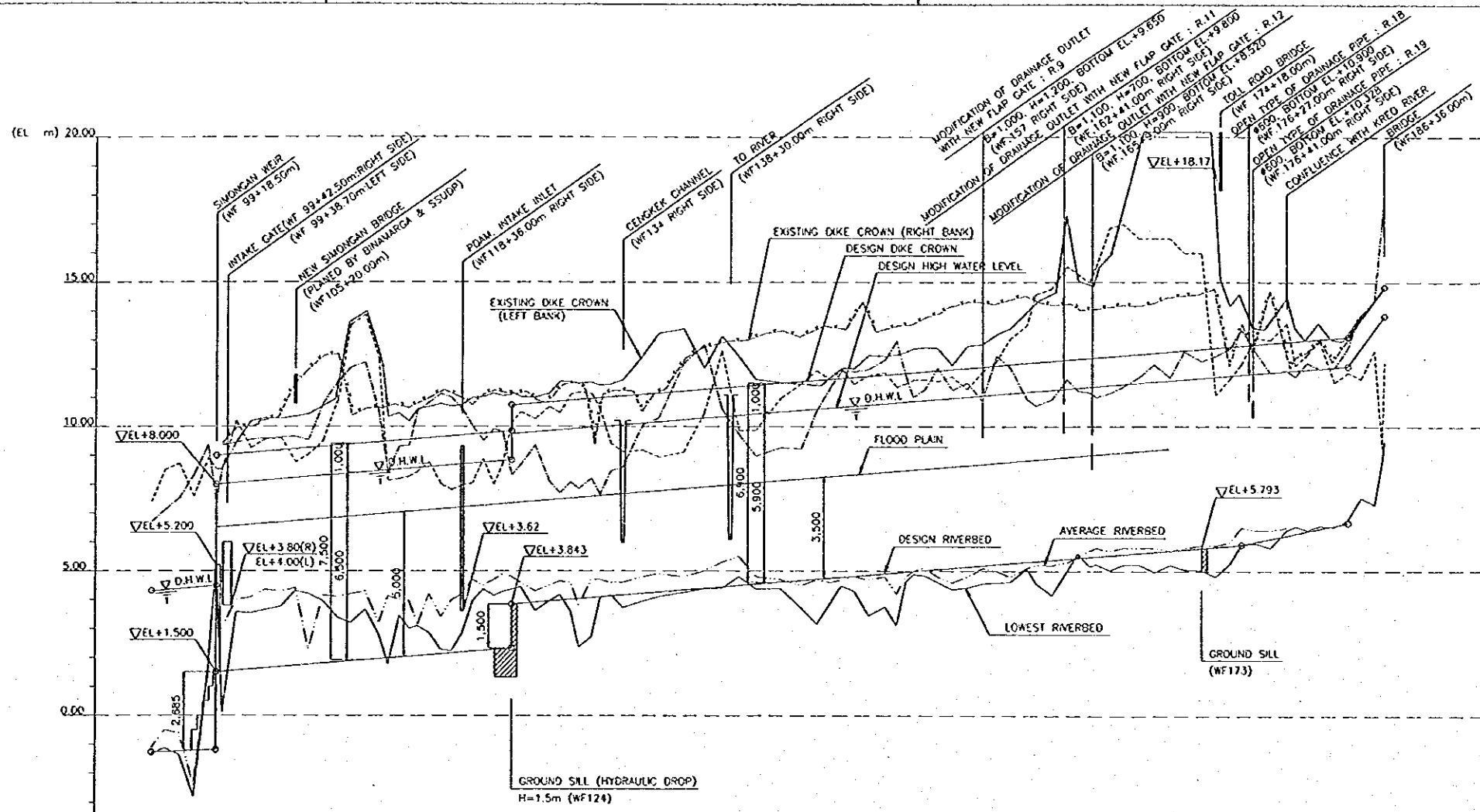
THE REPUBLIC OF INDONESIA
 MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

PRATUNJELUNA FLOOD CONTROL PROJECT
 COMPONENT: WEST FLOODWAY / GARANG RIVER IMPROVEMENT
 CHANNEL AND DIKE WORKS
 WEST FLOODWAY
 LONGITUDINAL PROFILE (1/2)

LAJAN INTERNATIONAL CORPORATION
 CTE ENGINEERING CO., LTD. IN ASSOCIATION WITH
 PACIFIC CONSULTANTS INTERNATIONAL INC.
 PARTNER ENGINEERS

DESIGNED: [Signature]
 CHECKED: [Signature]

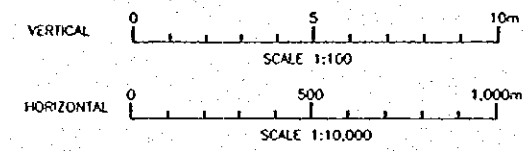
DATE: [Date] CONTRACT NO.: [Number]



LEGEND

- LEFT GROUND
- RIGHT GROUND
- LOWEST RIVERBED
- AVERAGE RIVERBED
- EXISTING DIKE CROWN (RIGHT BANK)
- EXISTING DIKE CROWN (LEFT BANK)

STATION NO.		DISTANCE		DESIGN ELEVATION		EXISTING ELEVATION		GRADIENT OF DESIGN RIVERBED		GRADIENT OF DESIGN H.W.L.	
		PARTIAL (m)	ACCUMULATED (m)	DIKE CROWN	HIGH WATER LEVEL	RIGHT GROUND	LEFT GROUND				
85	86	52.45	4788.14	5.30	4.30	6.78	7.38				
86	87	50.99	4437.63	5.37	4.37	6.51	7.11				
87	88	51.37	4033.34	5.45	4.45	6.73	7.32				
88	89	50.65	3688.74	5.56	4.56	6.81	7.40				
89	90	50.75	3312.99	5.58	4.58	6.83	7.42				
90	91	49.82	2886.16	5.62	4.62	6.85	7.44				
91	92	50.00	2496.16	5.67	4.67	6.87	7.46				
92	93	50.10	2146.06	5.72	4.72	6.89	7.48				
93	94	50.20	1835.86	5.77	4.77	6.91	7.50				
94	95	50.30	1565.56	5.82	4.82	6.93	7.52				
95	96	50.40	1335.16	5.87	4.87	6.95	7.54				
96	97	50.50	1144.66	5.92	4.92	6.97	7.56				
97	98	50.60	993.96	5.97	4.97	6.99	7.58				
98	99	50.70	882.66	6.02	5.02	7.01	7.60				
99	100	50.80	800.86	6.07	5.07	7.03	7.62				
100	101	50.90	748.56	6.12	5.12	7.05	7.64				
101	102	51.00	725.56	6.17	5.17	7.07	7.66				
102	103	51.10	731.56	6.22	5.22	7.09	7.68				
103	104	51.20	766.56	6.27	5.27	7.11	7.70				
104	105	51.30	830.56	6.32	5.32	7.13	7.72				
105	106	51.40	922.56	6.37	5.37	7.15	7.74				
106	107	51.50	1033.56	6.42	5.42	7.17	7.76				
107	108	51.60	1153.56	6.47	5.47	7.19	7.78				
108	109	51.70	1282.56	6.52	5.52	7.21	7.80				
109	110	51.80	1420.56	6.57	5.57	7.23	7.82				
110	111	51.90	1567.56	6.62	5.62	7.25	7.84				
111	112	52.00	1723.56	6.67	5.67	7.27	7.86				
112	113	52.10	1888.56	6.72	5.72	7.29	7.88				
113	114	52.20	2062.56	6.77	5.77	7.31	7.90				
114	115	52.30	2245.56	6.82	5.82	7.33	7.92				
115	116	52.40	2437.56	6.87	5.87	7.35	7.94				
116	117	52.50	2638.56	6.92	5.92	7.37	7.96				
117	118	52.60	2848.56	6.97	5.97	7.39	7.98				
118	119	52.70	3067.56	7.02	6.02	7.41	8.00				
119	120	52.80	3295.56	7.07	6.07	7.43	8.02				
120	121	52.90	3532.56	7.12	6.12	7.45	8.04				
121	122	53.00	3778.56	7.17	6.17	7.47	8.06				
122	123	53.10	4033.56	7.22	6.22	7.49	8.08				
123	124	53.20	4297.56	7.27	6.27	7.51	8.10				
124	125	53.30	4570.56	7.32	6.32	7.53	8.12				
125	126	53.40	4852.56	7.37	6.37	7.55	8.14				
126	127	53.50	5143.56	7.42	6.42	7.57	8.16				
127	128	53.60	5443.56	7.47	6.47	7.59	8.18				
128	129	53.70	5752.56	7.52	6.52	7.61	8.20				
129	130	53.80	6070.56	7.57	6.57	7.63	8.22				
130	131	53.90	6397.56	7.62	6.62	7.65	8.24				
131	132	54.00	6734.56	7.67	6.67	7.67	8.26				
132	133	54.10	7081.56	7.72	6.72	7.69	8.28				



THE REPUBLIC OF INDONESIA
 MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

JRATUNSELUNA FLOOD CONTROL PROJECT
 COMPONENT: WEST FLOODWAY / GARANG RIVER IMPROVEMENT
 CHANNEL AND DIKE WORKS
 WEST FLOODWAY
 LONGITUDINAL PROFILE (2/2)

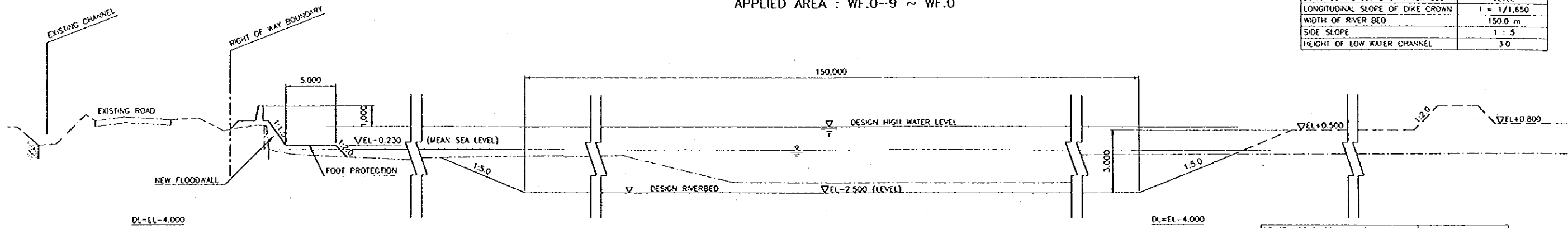
PROVINCE: CENTRAL JAVA
 PROJECT NAME: URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT BY SEMARANG IN THE REPUBLIC OF INDONESIA
 DISTRICT: SEMARANG CITY
 DRAWING NO. WO-P1-CH-Lo-11
 SHEET NO. 13

DATE: [] CONTRACT NO. []

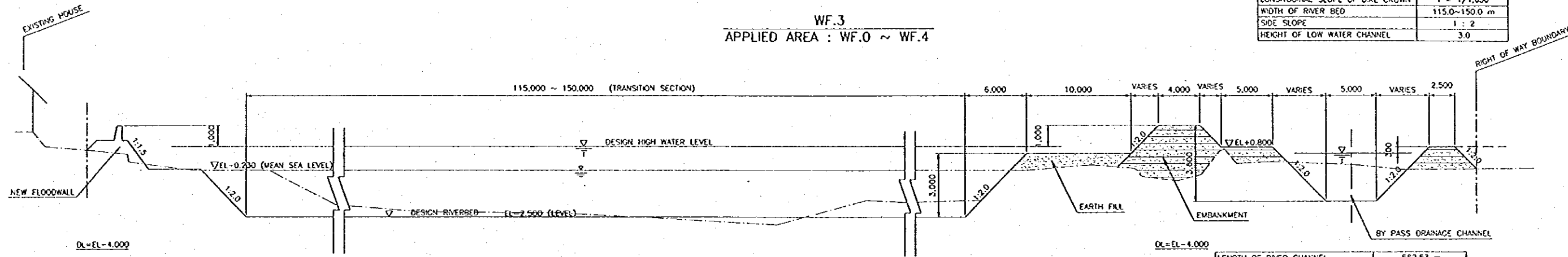
DESIGNED BY: []
 CHECKED BY: []
 PROJECT MANAGER: []

NO.	DATE	REVISION	ORIGINATOR	DESIGNED	APPROVED

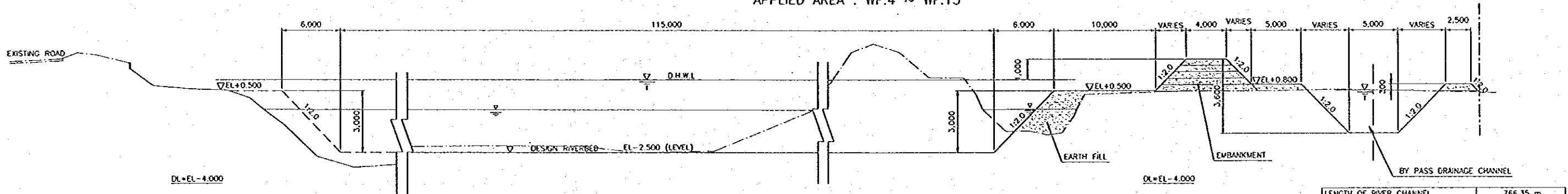
WF.0-3
APPLIED AREA : WF.0-9 ~ WF.0



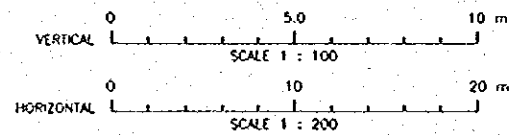
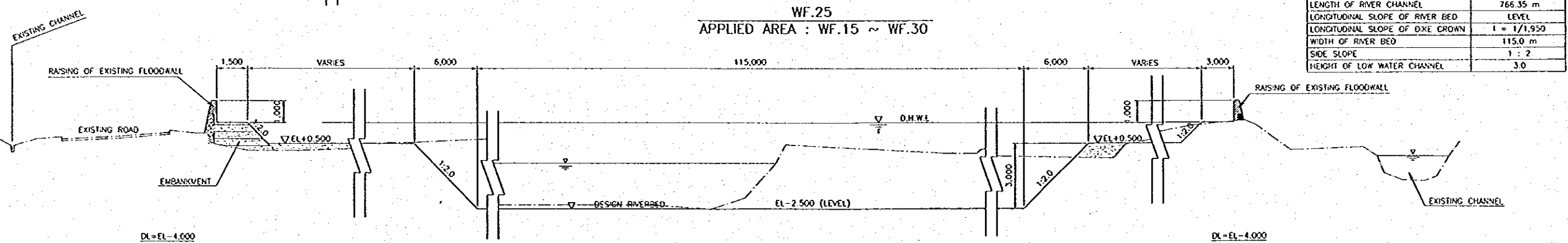
WF.3
APPLIED AREA : WF.0 ~ WF.4



WF.9
APPLIED AREA : WF.4 ~ WF.15



WF.25
APPLIED AREA : WF.15 ~ WF.30



NO.	DATE	REVISION	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

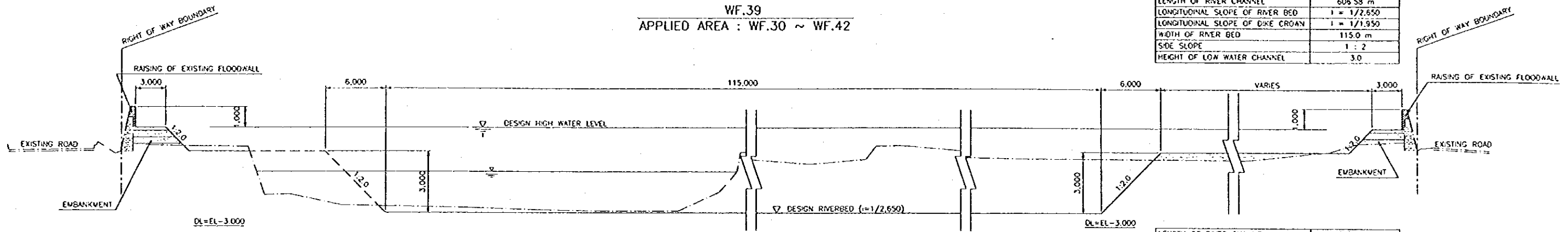
PELATUNSELUNA FLOOD CONTROL PROJECT
COMPONENT : WEST FLOODWAY / GARANG RIVER IMPROVEMENT
CHANNEL AND DIKE WORKS
WEST FLOODWAY
STANDARD CROSS SECTION OF RIVER CHANNEL (1/4)

DATE: 1982
PROJECT MANAGER: [Signature]

PROVINCE: CENTRAL JAVA
PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DISTRICT: SEMARANG CITY
DRAWING NO. WS-P1-CH-C1-42
SHEET NO. 14
DATE: []
CONTRACT NO. []

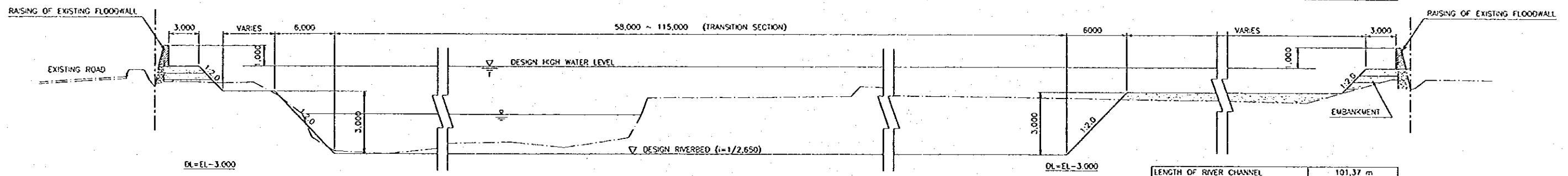
WF.39
APPLIED AREA : WF.30 ~ WF.42

LENGTH OF RIVER CHANNEL	606.58 m
LONGITUDINAL SLOPE OF RIVER BED	1 = 1/2,650
LONGITUDINAL SLOPE OF DIKE CROWN	1 = 1/1,950
WIDTH OF RIVER BED	115.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.0



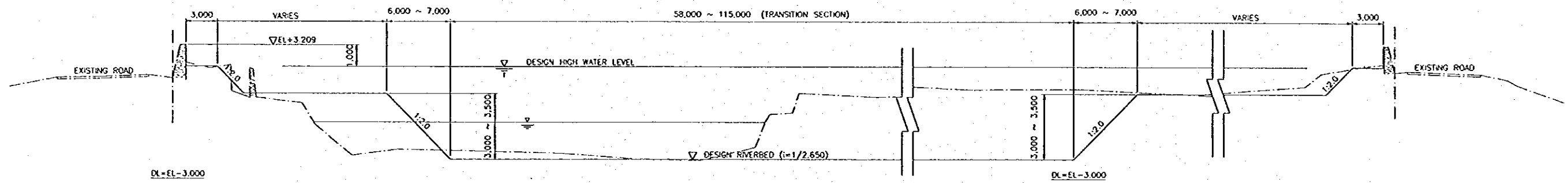
WF.44
APPLIED AREA : WF.42 ~ WF.51

LENGTH OF RIVER CHANNEL	449.49 m
LONGITUDINAL SLOPE OF RIVER BED	1 = 1/2,650
LONGITUDINAL SLOPE OF DIKE CROWN	1 = 1/1,950
WIDTH OF RIVER BED	58.0-115.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.0



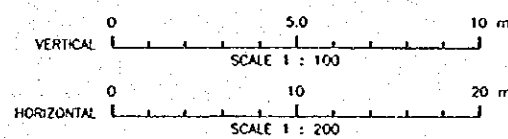
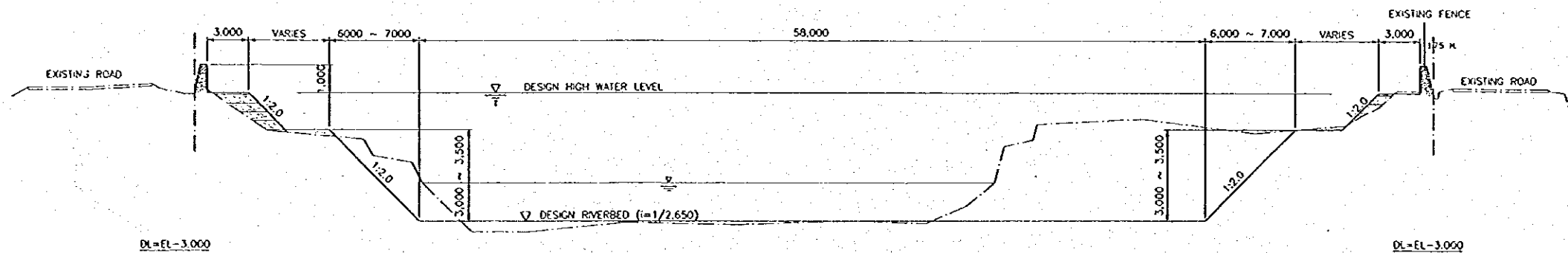
WF.52
APPLIED AREA : WF.51 ~ WF.53

LENGTH OF RIVER CHANNEL	101.37 m
LONGITUDINAL SLOPE OF RIVER BED	1 = 1/2,650
LONGITUDINAL SLOPE OF DIKE CROWN	1 = 1/800
WIDTH OF RIVER BED	58.0-115.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.0-3.5 m



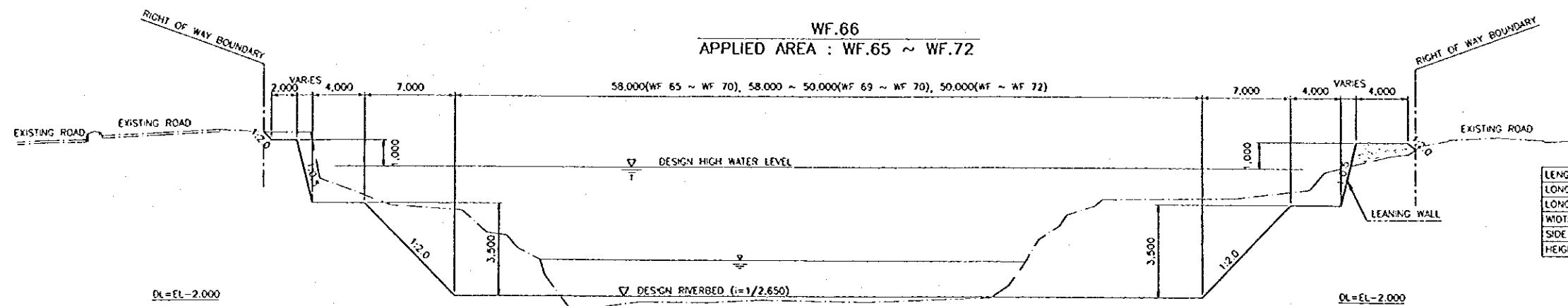
WF.60
APPLIED AREA : WF.53 ~ WF.65

LENGTH OF RIVER CHANNEL	602.02 m
LONGITUDINAL SLOPE OF RIVER BED	1 = 1/2,650
LONGITUDINAL SLOPE OF DIKE CROWN	1 = 1/800
WIDTH OF RIVER BED	58.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.0-3.5 m

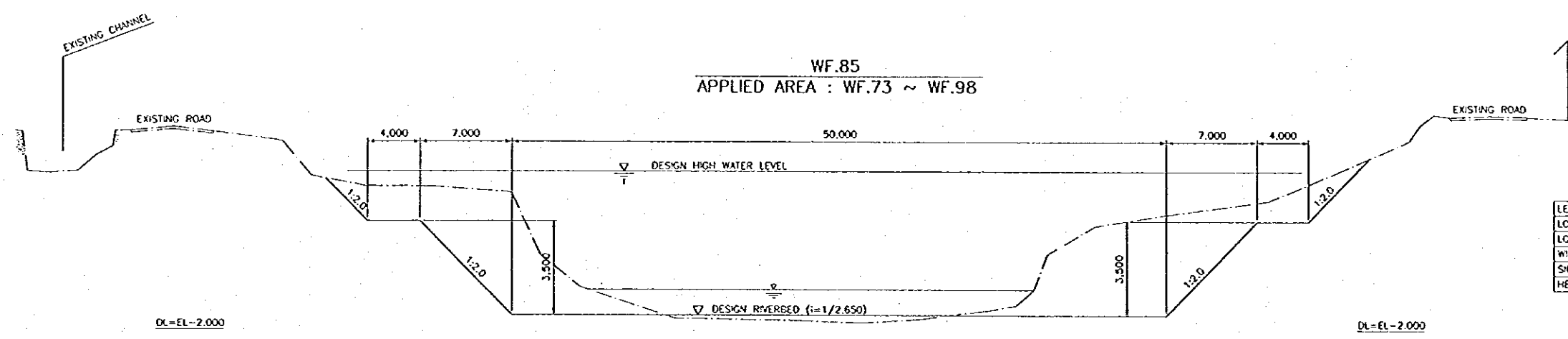


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

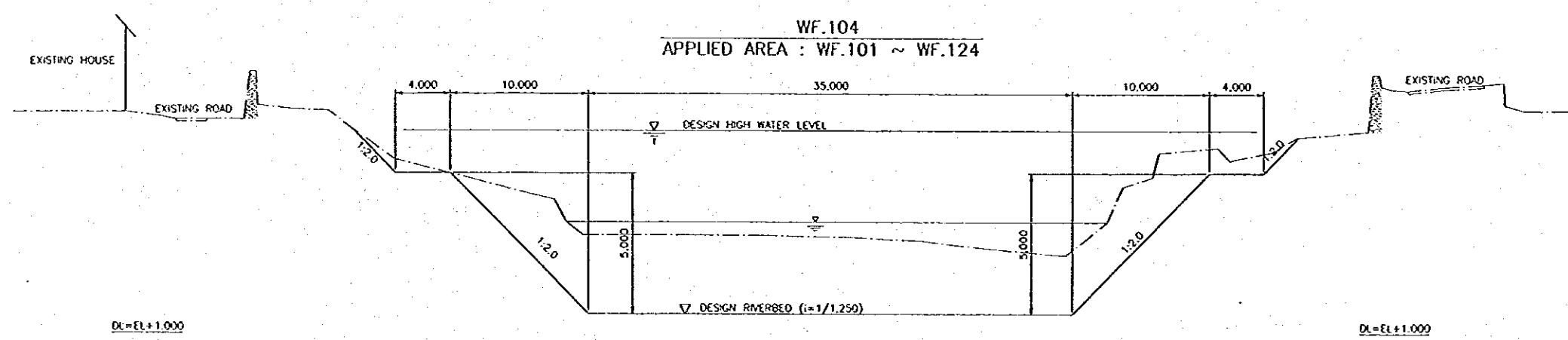
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : WEST FLOODWAY / GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS WEST FLOODWAY STANDARD CROSS SECTION OF RIVER CHANNEL (2/4)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
JAWA INTERNATIONAL COOPERATION AGENCY CJI ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND JAWA INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED DATE		DRAWING NO. WB-P1-CH-Cr-43 SHEET NO. 15 CONTRACT NO.
APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE



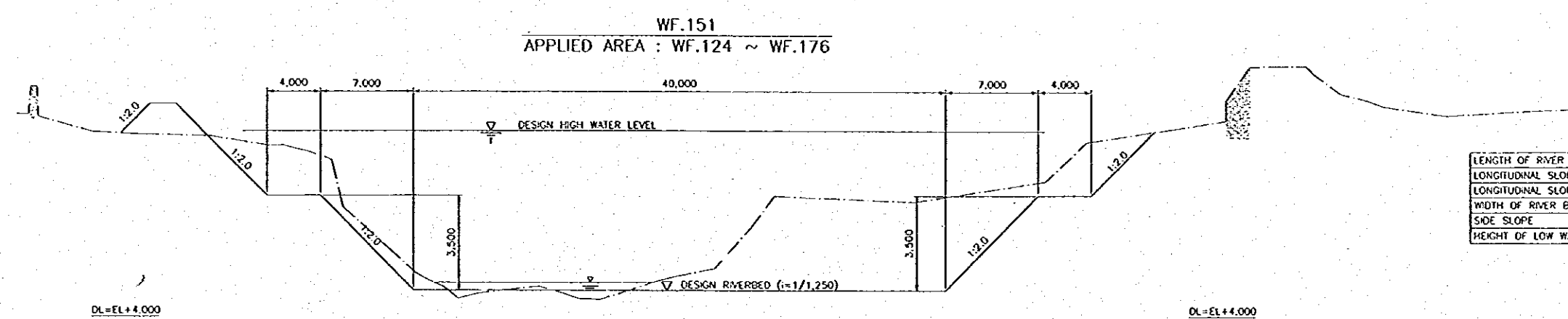
LENGTH OF RIVER CHANNEL	356.61 m
LONGITUDINAL SLOPE OF RIVER BED	$i = 1/2.650$
LONGITUDINAL SLOPE OF DIKE CROWN	-
WIDTH OF RIVER BED	58.0/50.0 m
SIDE SLOPE	1 : 2/1.0.5
HEIGHT OF LOW WATER CHANNEL	3.5 m



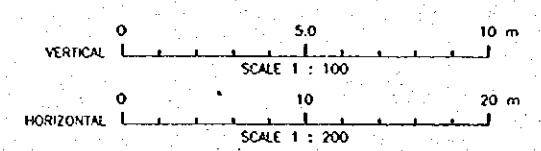
LENGTH OF RIVER CHANNEL	1,247.19 m
LONGITUDINAL SLOPE OF RIVER BED	$i = 1/2.650$
LONGITUDINAL SLOPE OF DIKE CROWN	-
WIDTH OF RIVER BED	50.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.5 m



LENGTH OF RIVER CHANNEL	981.36 m
LONGITUDINAL SLOPE OF RIVER BED	$i = 1/1.250$
LONGITUDINAL SLOPE OF DIKE CROWN	-
WIDTH OF RIVER BED	35.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	5.0 m



LENGTH OF RIVER CHANNEL	2,583.68 m
LONGITUDINAL SLOPE OF RIVER BED	$i = 1/1.250$
LONGITUDINAL SLOPE OF DIKE CROWN	-
WIDTH OF RIVER BED	40.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.5 m



NO.	DATE	REVISIONS	ORIGINATED	DRAWN	APPROVED	APPROVED

THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

IRATUNSELUNA FLOOD CONTROL PROJECT
COMPONENT : WEST FLOODWAY / GARANG RIVER IMPROVEMENT
CHANNEL AND DIKE WORKS
WEST FLOODWAY
STANDARD CROSS SECTION OF RIVER CHANNEL (3/4)

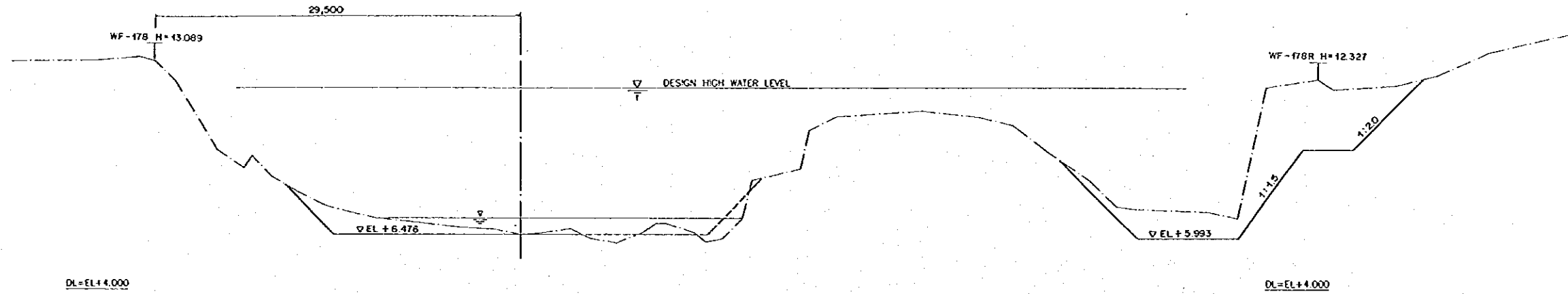
JAPAN INTERNATIONAL COOPERATION AGENCY
JICA ENGINEERING CO. LTD. IN ASSOCIATION WITH
PACIFIC CONSULTANTS INTERNATIONAL INC.
PACIFIC CONSULTANTS INTERNATIONAL INC.

DESIGNED: [Signature]
CHECKED: [Signature]
CHIEF OF PLANNING AND DESIGN
PROJECT MANAGER

PROVINCE	CENTRAL JAVA
PROJECT NAME	FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
DISTRICT	SEMARANG CITY
DRAWING NO.	WS-P1-G1-G-14
SHEET NO.	14
DATE	
CONTRACT NO.	

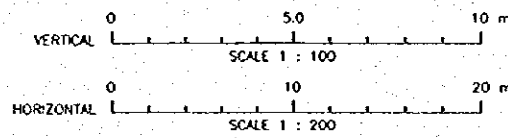
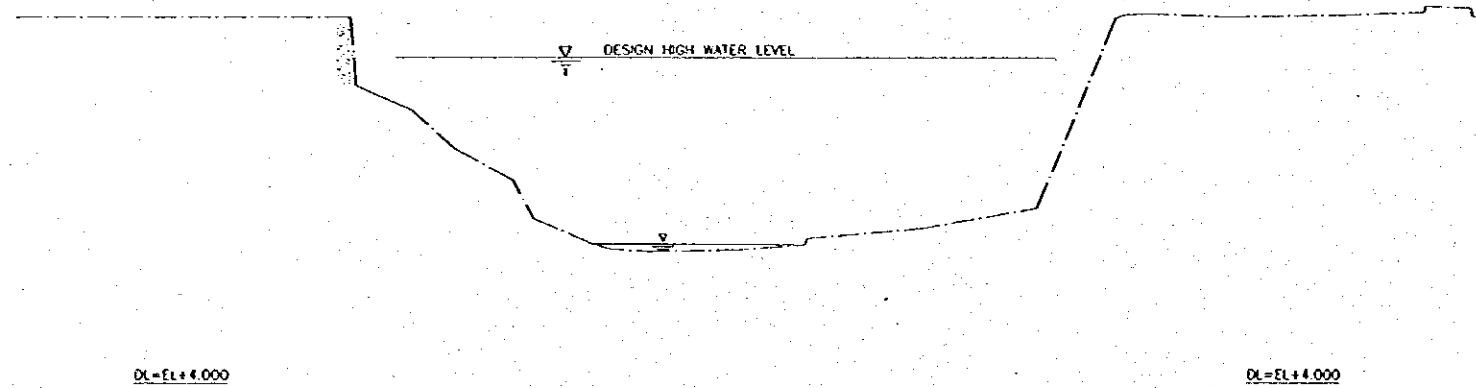
WF.178
 APPLIED AREA : WF.176 ~ WF.184

LENGTH OF RIVER CHANNEL	376.0 m
LONGITUDINAL SLOPE OF RIVER BED	1 = 1/500
LONGITUDINAL SLOPE OF DIKE CROWN	-
WIDTH OF RIVER BED	30.0-40.0 m
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	3.0-3.5 m



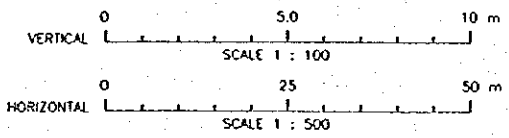
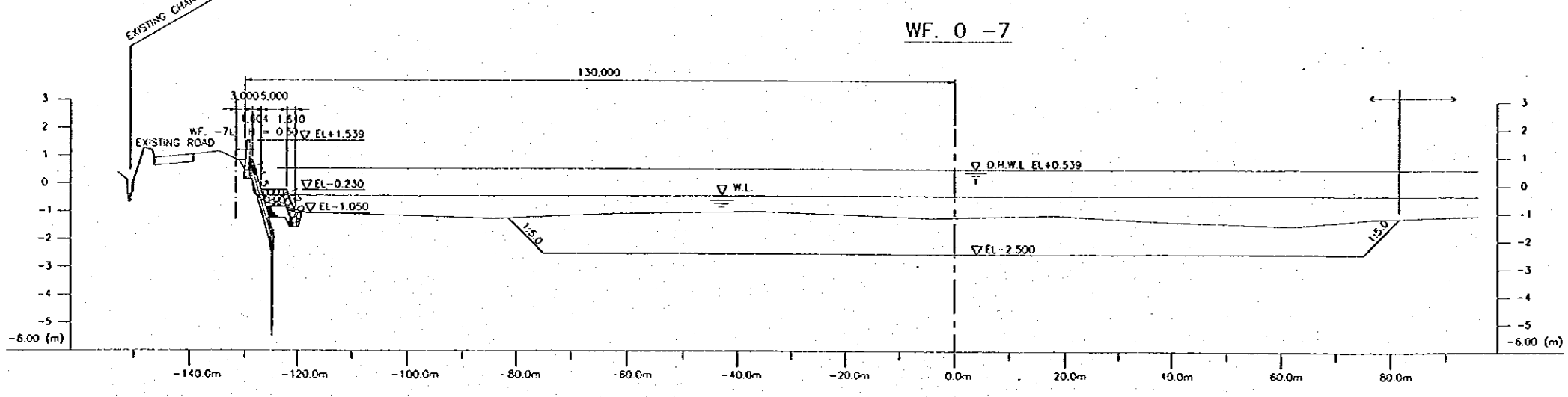
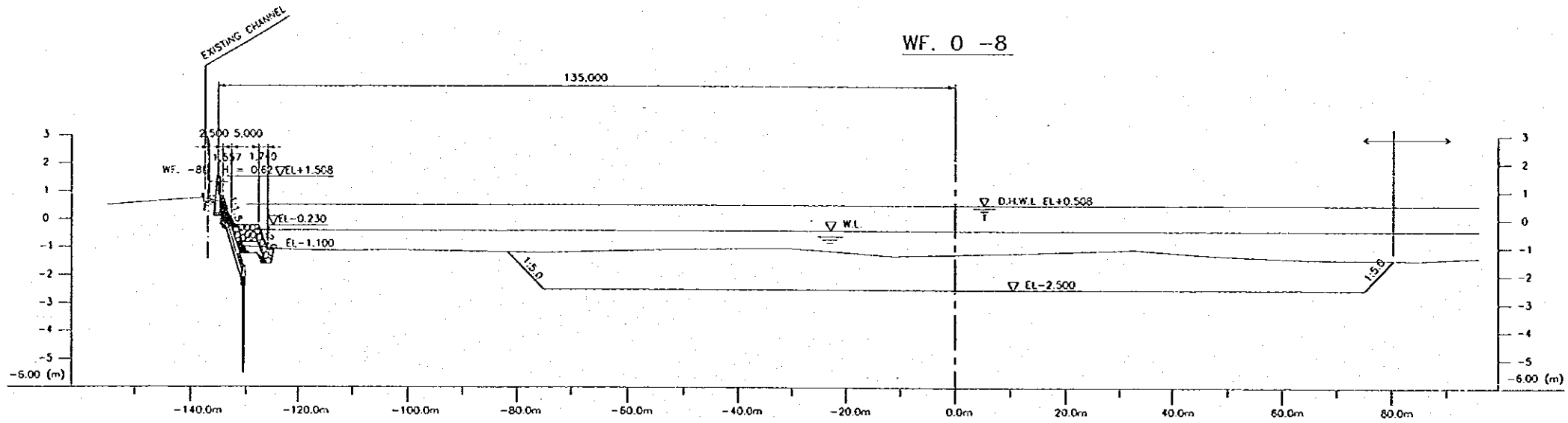
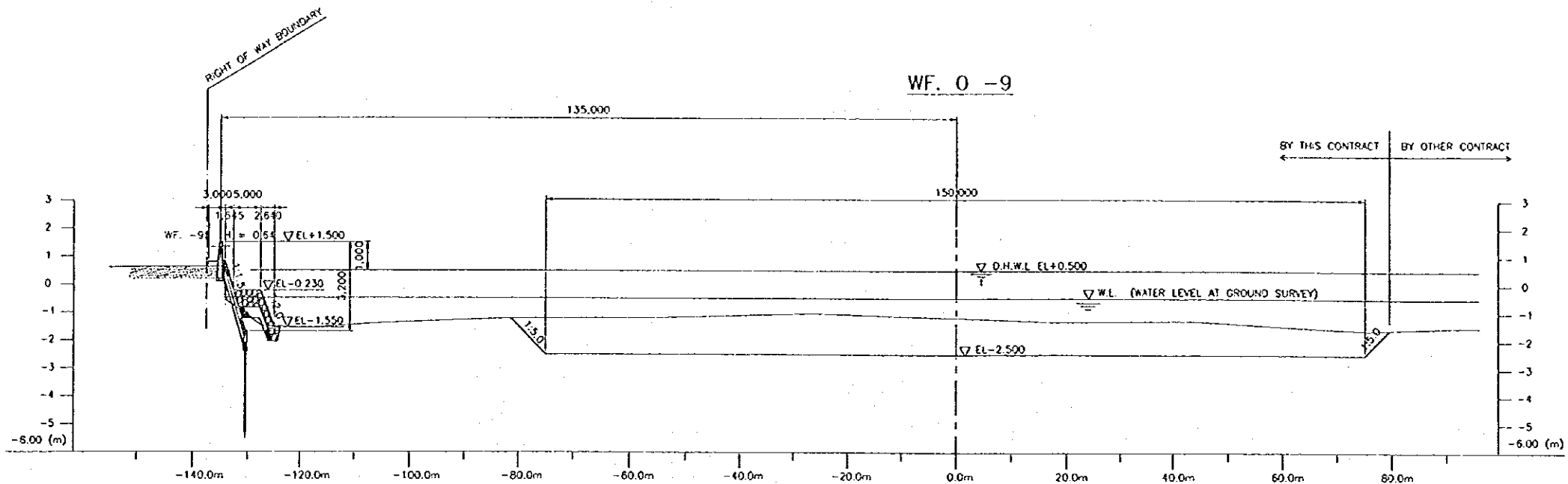
WF.185
 APPLIED AREA : WF.184 ~ WF.186+36m

LENGTH OF RIVER CHANNEL	129.52 m
LONGITUDINAL SLOPE OF RIVER BED	-
LONGITUDINAL SLOPE OF DIKE CROWN	1 = 1/75
WIDTH OF RIVER BED	-
SIDE SLOPE	1 : 2
HEIGHT OF LOW WATER CHANNEL	-



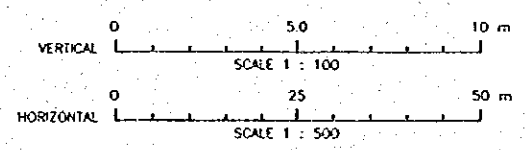
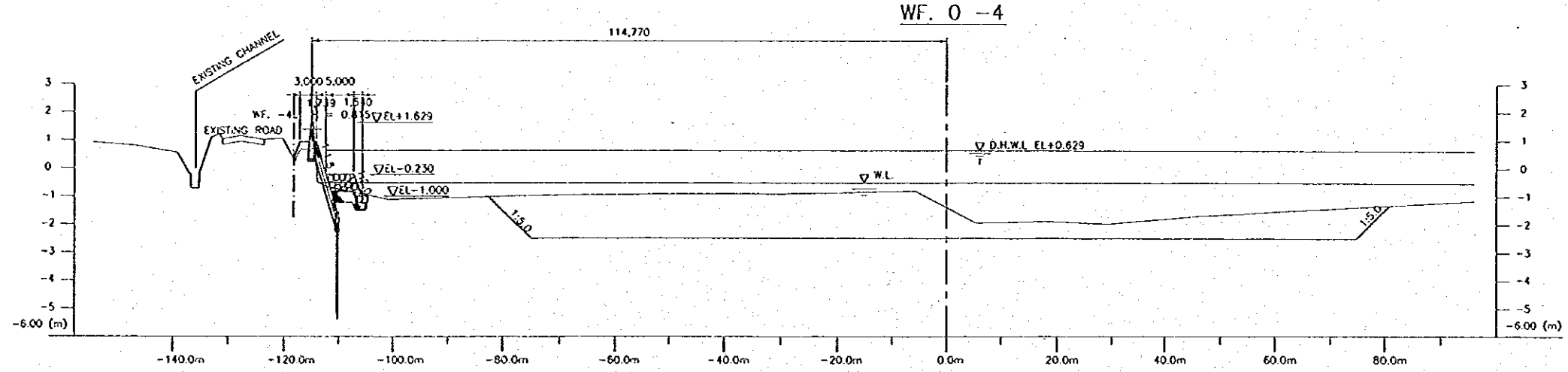
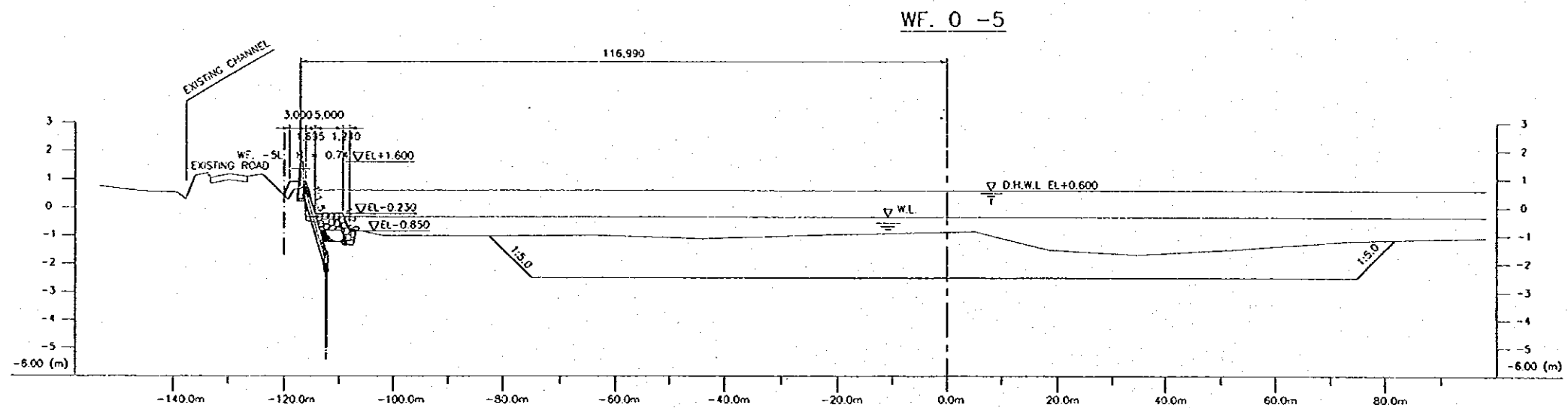
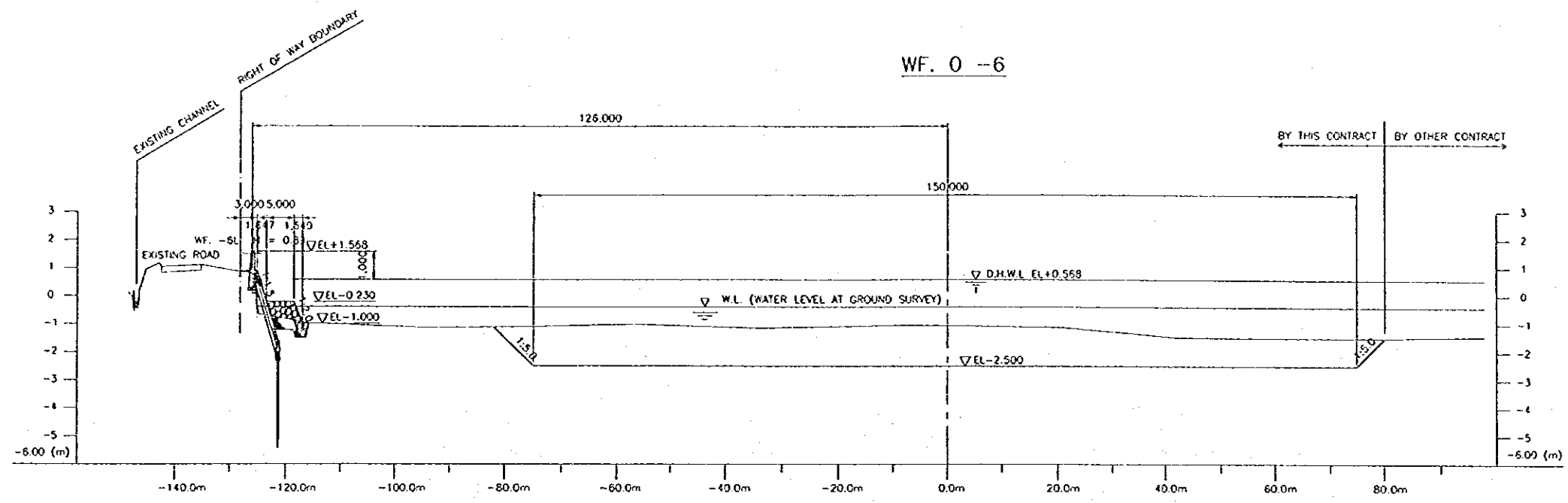
NO.	DATE	REVISION	ORIGINATED	DRAWN	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : WEST FLOODWAY / GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS GARANG RIVER STANDARD CROSS SECTION OF RIVER CHANNEL (4/4)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY OTE ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JIANG INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED: [Signature] CHECKED: [Signature]		DRAWING NO. WS-P1-CK-Cr-15 SHEET NO. 17
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.



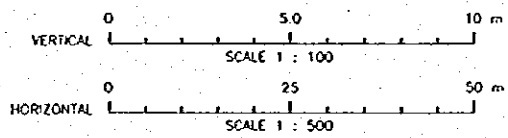
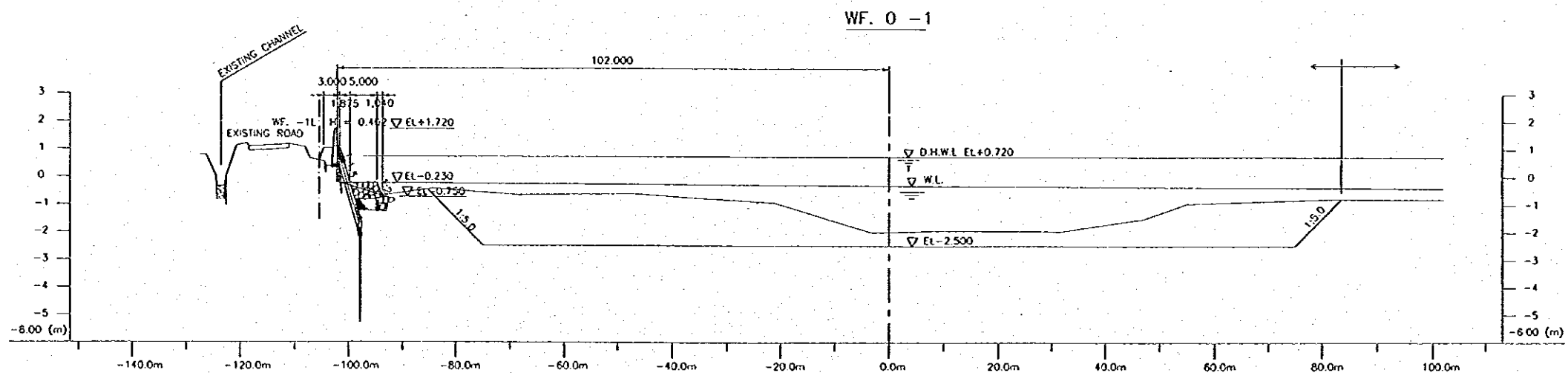
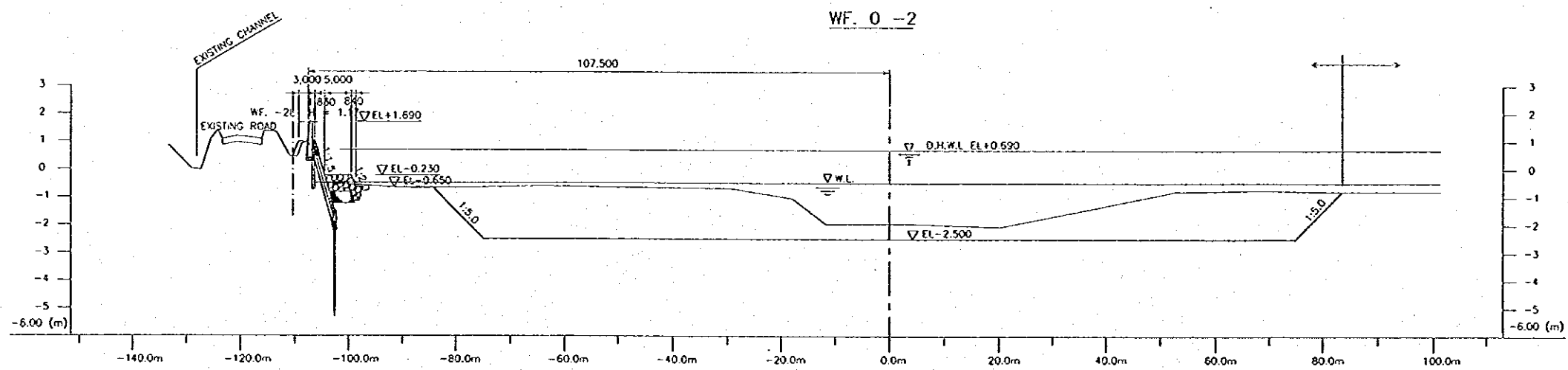
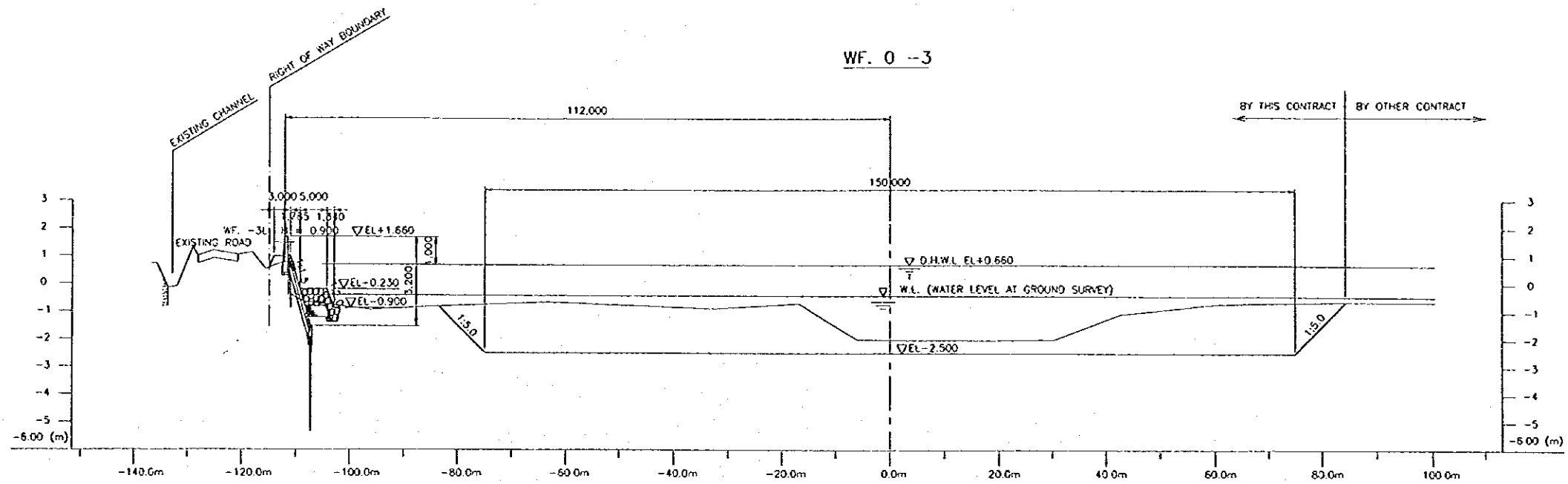
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE: CENTRAL JAVA PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT: SEMARANG CITY DRAWING NO. WS-21-CK-Cr. 18 SHEET NO. 18
JAPAN INTERNATIONAL COOPERATION AGENCY JICA ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL INC. PACIFIC INTERNATIONAL INC.		DESIGNED: [Signature] CHECKED: [Signature]
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE: [] [] [] [] [] [] CONTRACT NO.



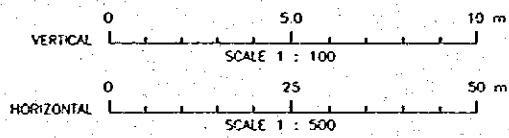
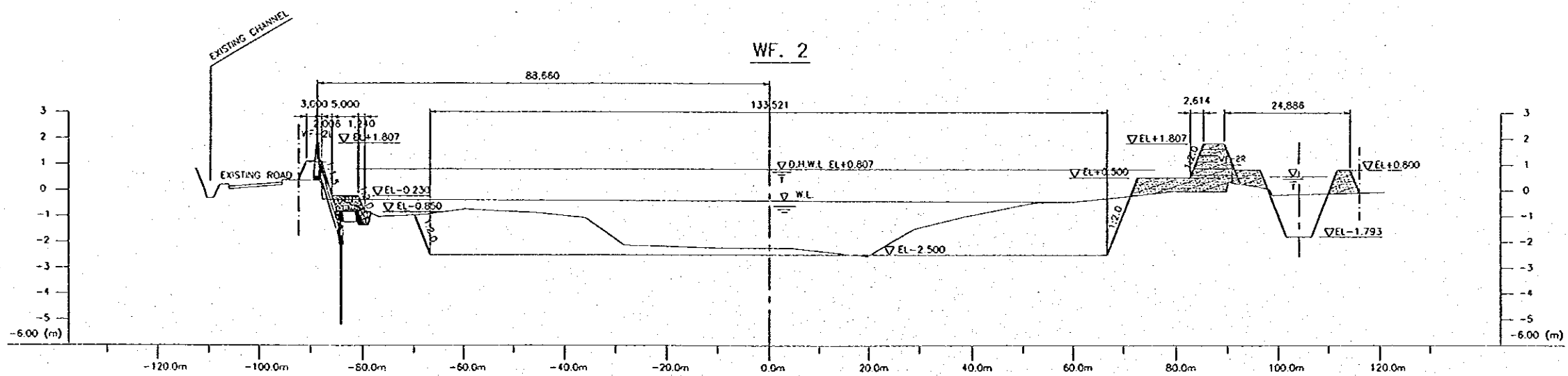
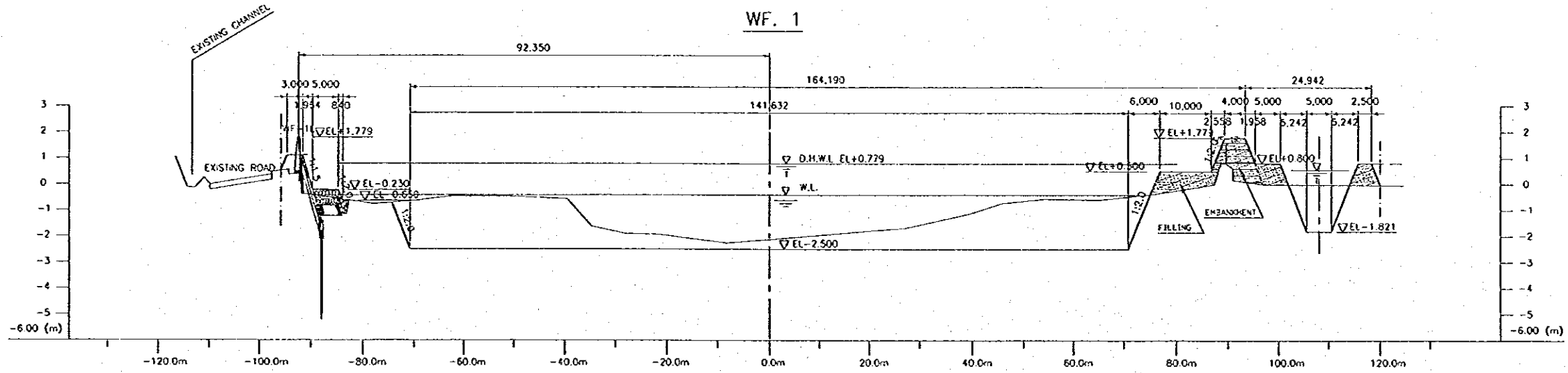
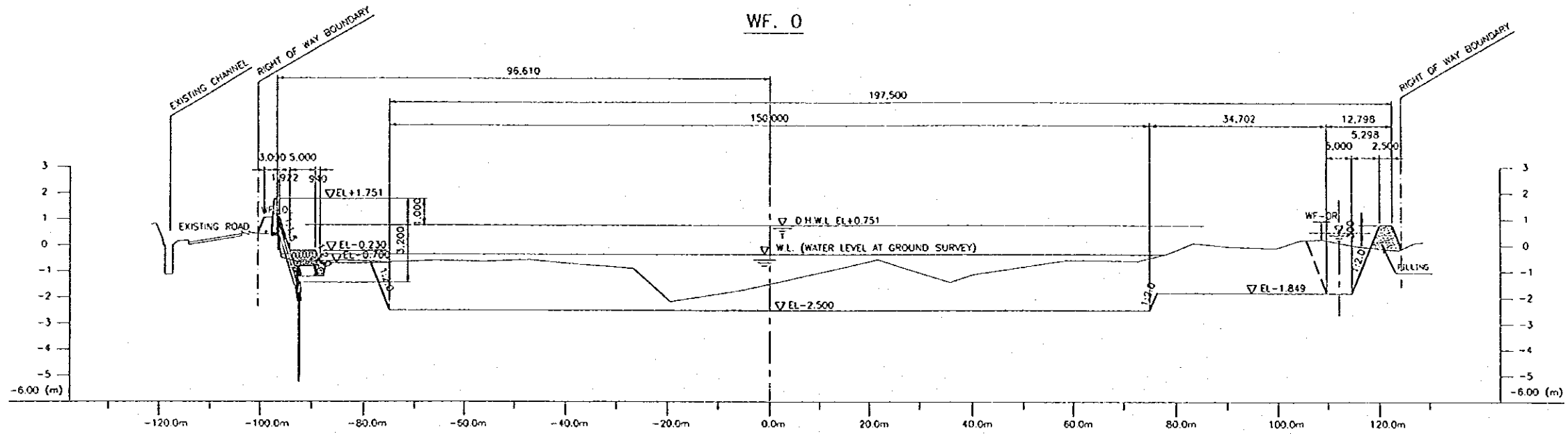
NO.	DATE	REVISION	OPERATED	DESIGNED	APPROVED

	THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
	JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT: WEST FLOODWAY / GARANG RIVER IMPROVEMENT CHANNEL AND DIKE WORKS WEST FLOOD WAY CROSS SECTIONS (2/39)		PROJECT NAME FLOOD CONTROL, EROSION DRAINAGE AND WATER RESOURCE DEVELOPMENT IN BOJALANG IN THE REPUBLIC OF INDONESIA
	DESIGNED: [Signature] CHECKED: [Signature]		DISTRICT SEMARANG CITY
	APPROVED: [Signature] CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. WB - P4 - CH - Cr. 17 SHEET NO. 19 DATE CONTRACT NO.



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT	PROVINCE	CENTRAL JAVA
	PROJECT NAME	FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
	DISTRICT	SEMARANG CITY
	DRAWING NO. W.R. - P1 - CH - C1.18	SHEET NO. 28
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND ZARO ENGINEERING, INC.	DESIGNED	CHECKED
CASE OF PLANNING AND DESIGN PROJECT MANAGER	DATE	CONTRACT NO.



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
 MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

IRATUNSELUNA FLOOD CONTROL PROJECT
 COMPONENT: WEST FLOODWAY / GARANG RIVER IMPROVEMENT
 CHANNEL AND DIKE WORKS
 WEST FLOOD WAY -
 CROSS SECTIONS (4/39)

JAPAR INTERNATIONAL COOPERATION AGENCY
 CIE ENGINEERING CO., LTD. IN ASSOCIATION WITH
 PACIFIC CONSULTANTS INTERNATIONAL AND
 PARCO INTERNATIONAL, INC.

DESIGNED: [Signature]
 CHECKED: [Signature]

APPROVED: [Signature]
 CEDEP OF PLANNING AND DESIGN
 PROJECT MANAGER

PROVINCE: CENTRAL JAVA
 PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
 DISTRICT: SEMARANG CITY
 DRAWING NO. W.F. - P1 - CH - C1.19
 SHEET NO. 11
 DATE: [Blank]
 CONTRACT NO. [Blank]

