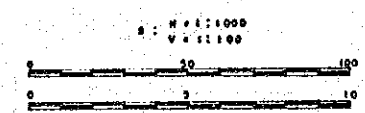


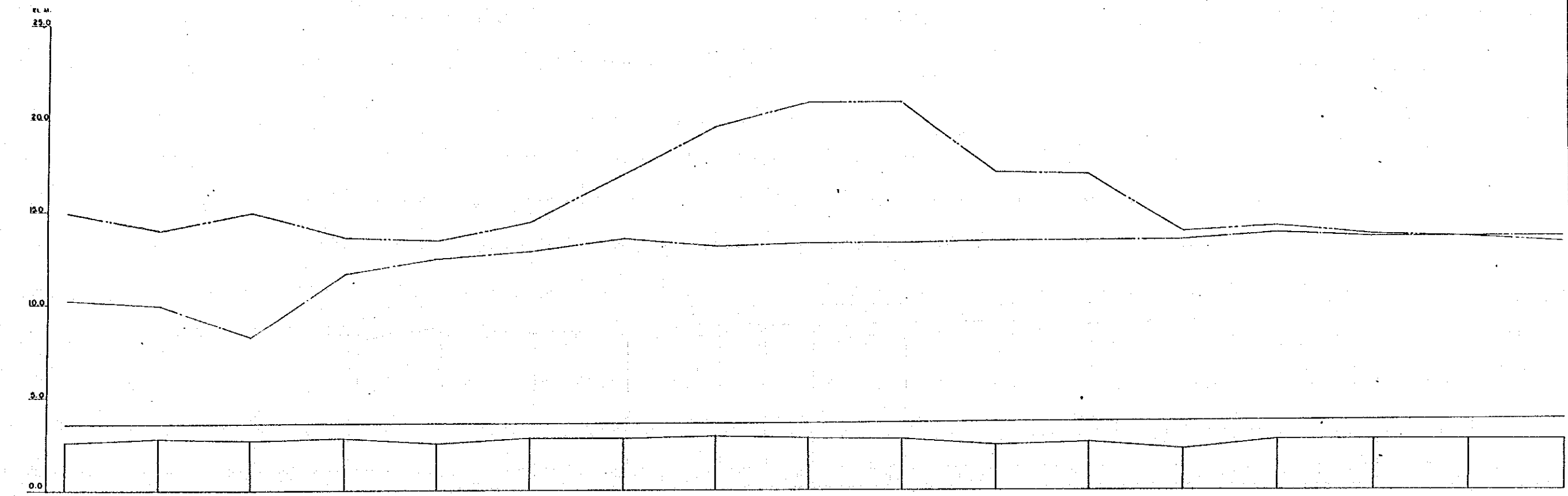
STA NO	DIST. FROM STA 0+00 (M)	EL. OF 3% SLOPE		DESIGN SLOPE	LEVEE ELEVATION	LEVEE ELEV.
		LEFT	RIGHT			
0	0.0	1.300	3.313	1:2	13.018	
0.1	5.0	1.800	3.400	1:2	17.255	
0.2	10.0	2.200	3.412	1:2	17.611	
0.3	15.0	2.000	3.419	1:2	17.640	
0.4	20.0	2.200	3.451	1:2	17.708	
0.5	25.0	2.313	3.453	1:2	17.810	
0.6	30.0	2.413	3.502	1:2	18.310	
0.7	35.0	2.380	3.509	1:2	18.329	
0.8	40.0	2.610	3.511	1:2	18.410	
0.9	45.0	2.400	3.519	1:2	18.326	
1.0	50.0	2.402	3.530	1:2	18.720	
1.1	55.0	2.508	3.530	1:2	18.830	
1.2	60.0	2.400	3.532	1:2	18.443	
1.3	65.0	2.404	3.532	1:2	18.432	
1.4	70.0	2.450	3.536	1:2	18.591	
1.5	75.0	2.400	3.536	1:2	18.418	
1.6	80.0	2.400	3.564	1:2	18.518	
1.7	85.0	2.600	3.600	1:2	19.144	



LEGEND

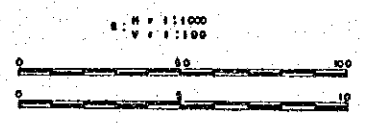
FIG :
AL I
SOURCE : JICA STUDY TEAM
SCALE : AS SHOWN
DATE OF DRAWING : 1995. 12. 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

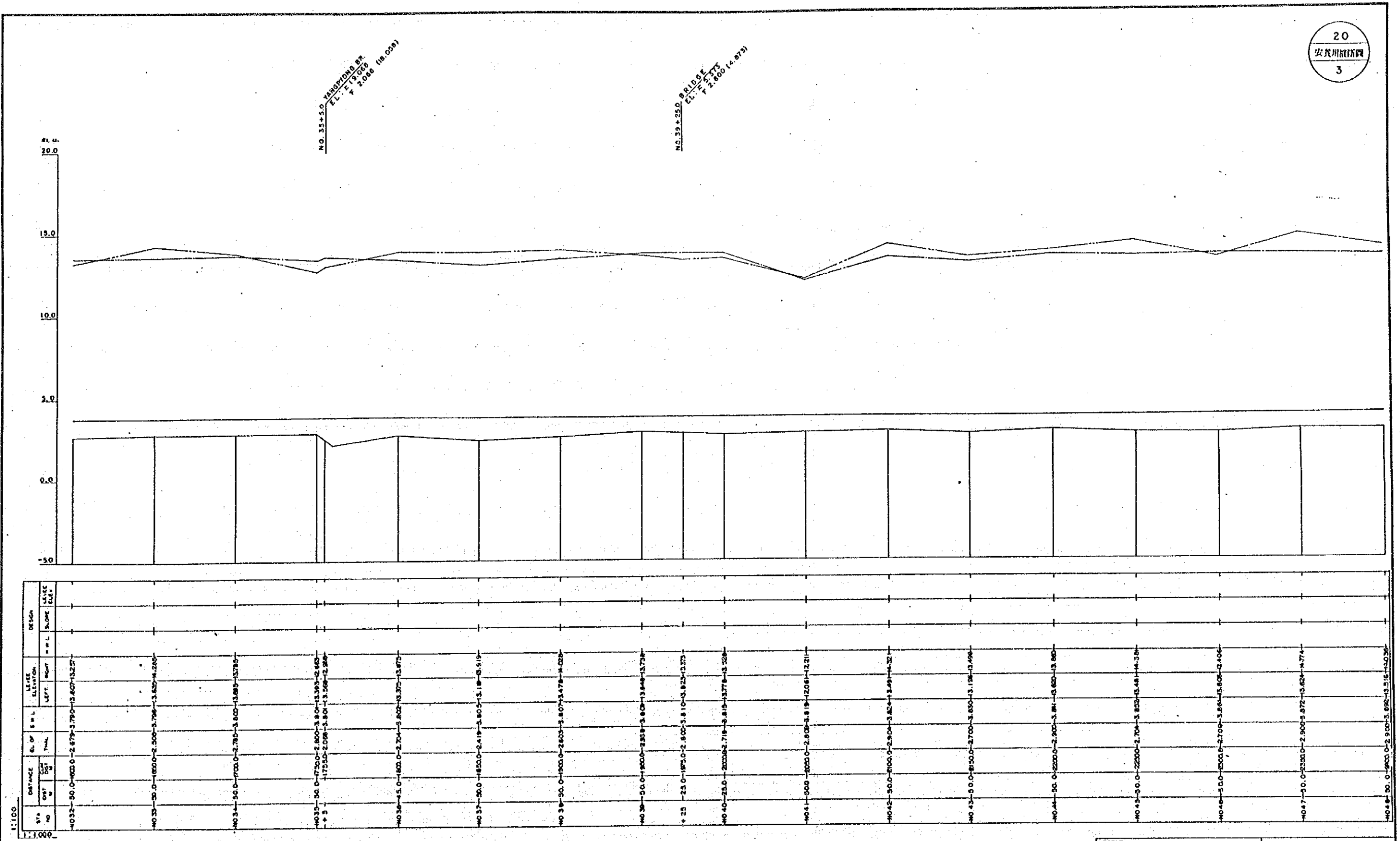


STA NO	DISTANCE FROM STA NO. 0	EL. OF S.W.L.		LEVEE ELEVATION		DESIGN H.W.L.	LEVEE SLOPE
		THICK.	THICK.	LEFT	RIGHT		
NO. 16	0-50.0	2.600	3.572	10.191	14.041		
NO. 17	50.0-100.0	2.789	3.567	9.30	13.86		
NO. 18	100.0-150.0	2.700	3.583	8.211	14.911		
NO. 19	150.0-200.0	2.802	3.597	7.400	13.50		
NO. 20	200.0-250.0	2.518	3.599	7.418	13.18		
NO. 21	250.0-300.0	2.80	3.612	7.80	14.40		
NO. 22	300.0-350.0	2.800	3.640	6.402	8.502		
NO. 23	350.0-400.0	2.900	3.650	5.15	10.55		
NO. 24	400.0-450.0	2.30	3.650	3.27	10.37		
NO. 25	450.0-500.0	2.75	3.655	3.24	10.24		
NO. 26	500.0-550.0	2.463	3.700	3.463	7.463		
NO. 27	550.0-600.0	2.600	3.700	3.459	10.59		
NO. 28	600.0-650.0	2.300	3.711	3.453	13.603		
NO. 29	650.0-700.0	2.73	3.73	3.60	14.20		
NO. 30	700.0-750.0	2.88	3.740	3.613	13.713		
NO. 31	750.0-800.0	2.700	3.780	3.60	13.50		
NO. 32	800.0-850.0	2.879	3.790	3.607	13.257		

1:100



LEGEND	FIG :
	AL 2
	SOURCE : JICA STUDY TEAM
	SCALE : AS SHOWN
	DATE OF DRAWING : 1980.12.31
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity	

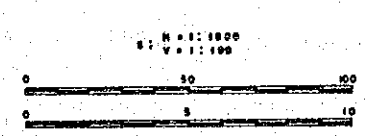


NO. 35 x 5.0 1/400 (20.00) SP.
E.L. : 17.028
P : 2.066 (18.058)

NO. 39 x 25.0 2 R.I.D. 0.6
E.L. : 15.375
P : 2.500 (4.875)

STA NO	DISTANCE OF CH. CENTER	ELEVATION		DESIGN
		LEFT	RIGHT	
+0 32	0-1800.0	2.879	3.790	3.607-13.225
+0 33	0-1850.0	2.508	3.798	3.527-14.285
+0 34	0-1900.0	2.780	3.800	3.885-13.785
+0 35	0-1950.0	2.800	3.804	3.933-12.840
+0 36	0-2000.0	2.098	3.801	3.268-13.268
+0 37	0-2050.0	2.704	3.802	3.375-13.875
+0 38	0-2100.0	2.418	3.803	3.180-13.919
+0 39	0-2150.0	2.803	3.807	3.478-14.020
+0 40	0-2200.0	2.838	3.809	3.548-13.738
+0 41	0-2250.0	2.800	3.810	3.625-13.375
+0 42	0-2300.0	2.718	3.812	3.378-13.320
+0 43	0-2350.0	2.808	3.813	3.421-12.211
+0 44	0-2400.0	2.800	3.814	3.491-14.321
+0 45	0-2450.0	2.700	3.800	3.198-13.498
+0 46	0-2500.0	2.800	3.811	3.620-13.860
+0 47	0-2550.0	2.704	3.803	3.448-14.348
+0 48	0-2600.0	2.700	3.804	3.500-13.406
+0 49	0-2650.0	2.900	3.872	3.624-14.774
+0 50	0-2700.0	2.900	3.892	3.516-14.036

1:100
1:1000



LEGEND

FIG

AL 3

SOURCE : JICA STUDY TEAM

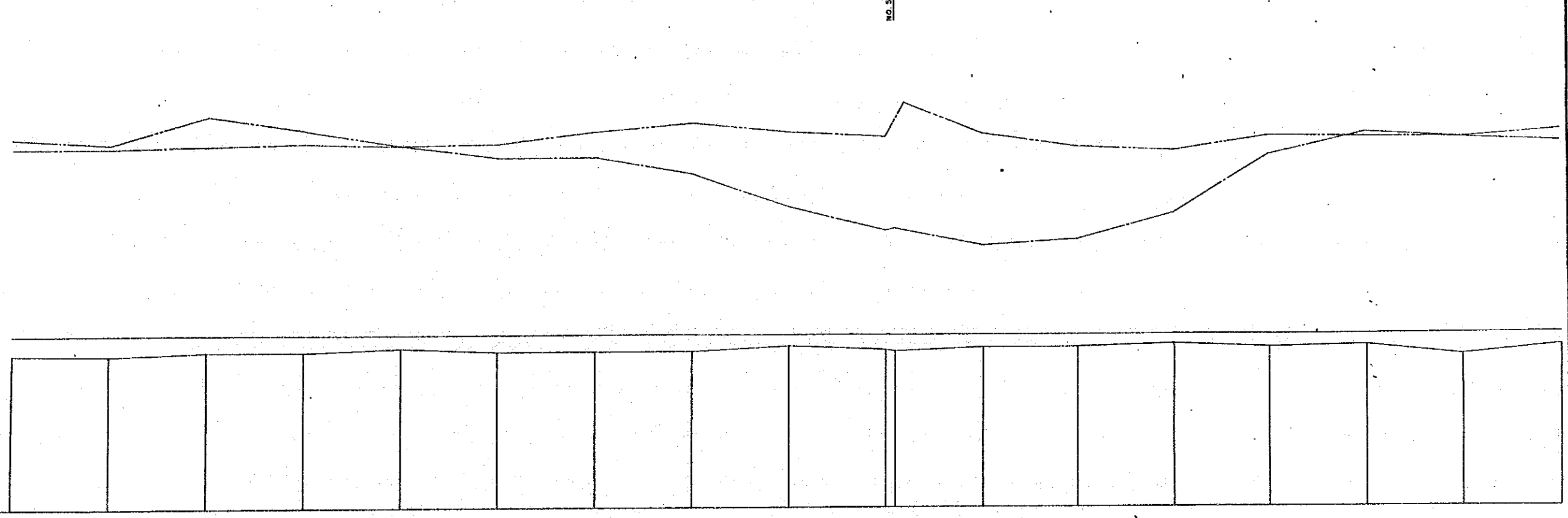
SCALE : AS SHOWN

DATE OF DRAWING : 1990.12.31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

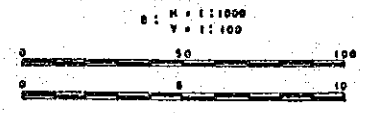
NO. 57+5.0
Not Done yet
E.L. = 16.784
+ 2.930 (A. 964)

EL. M.
20.0
19.0
10.0
5.0
0.0
-5.0



STA NO	DISTANCE DST DST	CL OF TUNK	LEVEE ELEVATION		DESIGN SLOPE
			LEFT	RIGHT	
NO. 48	30.0-3400.0	2.900	3.892	3.316	4.00%
NO. 49	30.0-3500.0	2.900	3.862	3.337	4.00%
NO. 50	30.0-3600.0	3.000	3.888	3.565	4.00%
NO. 51	30.0-3700.0	3.000	3.850	3.800	4.00%
NO. 52	30.0-3800.0	3.190	3.883	3.523	6.0%
NO. 53	30.0-3900.0	3.000	3.883	3.278	4.00%
NO. 54	30.0-4000.0	3.000	3.884	3.258	4.00%
NO. 55	30.0-4100.0	2.988	3.886	3.308	4.0%
NO. 56	30.0-4200.0	3.300	3.898	3.338	4.00%
NO. 57	30.0-4300.0	3.108	3.900	3.384	4.0%
NO. 58	30.0-4400.0	2.990	3.903	3.384	4.0%
NO. 59	45.0-4600.0	3.209	3.912	3.478	4.0%
NO. 60	50.0-5900.0	3.520	3.922	3.510	4.0%
NO. 61	60.0-7000.0	3.388	3.930	3.542	4.0%
NO. 62	80.0-9000.0	3.220	3.932	3.607	4.0%
NO. 63	9000.0-9100.0	3.234	3.940	3.612	4.0%
NO. 64	9100.0-9200.0	2.802	3.970	3.667	4.0%
NO. 65	9200.0-9300.0	3.282	3.980	3.681	4.0%

1:100



LEGEND

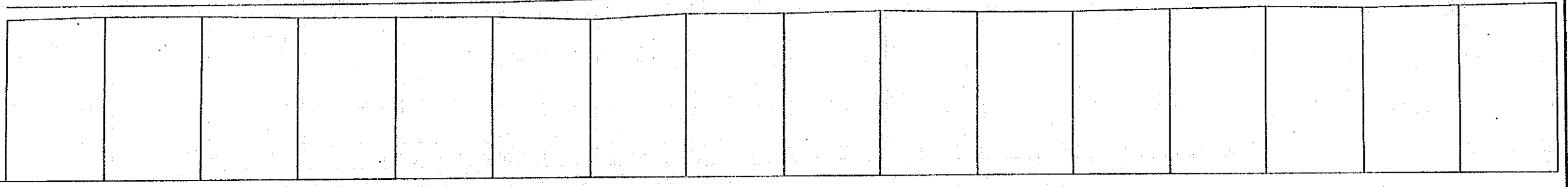
FIG :
AL 4
SOURCE : JICA STUDY TEAM
SCALE : AS SHOWN
DATE OF DRAWING : 1990.12.31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

20
 安武川流域図
 5

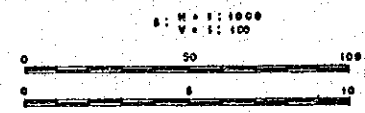
NO. 78+11.0 D.M.D. BP.
 E.L. 13.521
 P. 3.621 (1/4, 0.01)

EL. M.
 200
 150
 100
 50
 0.0
 -50



STA. NO.	DISTANCE FROM STA. 0+00 (M)	EL. OF S.W.L.		DESIGN SLOPE	DESIGN SLOPE	L.S.E.Z. ELEV.
		FINAL	LEFT			
NO. 64	3200	3.262	3.800	3.682	4.312	
NO. 65	3250	3.400	4.020	3.867	4.417	
NO. 66	3300	3.407	4.030	3.747	4.147	
NO. 67	3350	3.304	4.032	3.807	4.307	
NO. 68	3400	3.318	4.050	3.719	4.319	
NO. 69	3450	3.298	4.107	3.229	4.229	
NO. 70	3500	3.090	4.200	3.447	4.347	
NO. 71	3550	3.404	4.238	3.854	4.354	
NO. 72	3600	3.407	4.204	3.784	4.284	
NO. 73	3650	3.304	4.206	3.878	4.378	
NO. 74	3700	3.405	4.207	3.817	4.387	
NO. 75	3750	3.392	4.209	3.724	4.394	
NO. 76	3800	3.300	4.213	4.038	4.258	
NO. 77	3850	3.399	4.221	3.978	4.378	
NO. 78	3900	3.308	4.300	4.479	4.589	
NO. 79	3910	3.684	4.300	4.081	4.381	
NO. 80	3950	3.389	4.314	4.314	4.524	
NO. 81	4000	3.708	4.384	3.974	4.284	

1:1000



LEGEND

FIG. : _____

AL 5

SOURCE : JICA STUDY TEAM

SCALE : AS SHOWN

DATE OF DRAWING : 1990.12.31

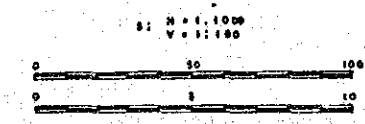
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

SHIN JONGHON
 E.L. F. 18,354
 F. 3,604 (17.554)

20
 安美川改修四
 6

REL. H.
 20.0
 19.0
 10.0
 0.0
 -5.0

ST. NO.	DISTANCE FROM ST. 0	EL. OF BANK		DESIGN SLOPE		DESIGN SLOPE
		Left	Right	Left	Right	
NO 80	0.0	40.00	37.00	4:38	13:37	4:24.5
NO 81	50.0	40.00	35.00	4:39	13:36	4:30.0
NO 82	100.0	40.00	33.00	4:39	13:32	4:32.25
NO 83	150.0	41.00	31.00	4:39	13:28	4:36.67
NO 84	200.0	42.00	29.00	4:39	13:24	4:41.75
NO 85	250.0	43.00	27.00	4:39	13:20	4:47.00
NO 86	300.0	44.00	25.00	4:40	13:16	4:52.25
NO 87	350.0	45.00	23.00	4:40	13:12	4:57.50
NO 88	400.0	46.00	21.00	4:41	13:08	5:02.75
NO 89	450.0	47.00	19.00	4:41	13:04	5:08.00
NO 90	500.0	48.00	17.00	4:41	13:00	5:13.25
NO 91	550.0	49.00	15.00	4:41	12:56	5:18.50
NO 92	600.0	50.00	13.00	4:41	12:52	5:23.75
NO 93	650.0	51.00	11.00	4:41	12:48	5:29.00
NO 94	700.0	52.00	9.00	4:41	12:44	5:34.25
NO 95	750.0	53.00	7.00	4:41	12:40	5:39.50
NO 96	800.0	54.00	5.00	4:41	12:36	5:44.75
NO 97	850.0	55.00	3.00	4:41	12:32	5:50.00
NO 98	900.0	56.00	1.00	4:41	12:28	5:55.25
NO 99	950.0	57.00	0.00	4:41	12:24	6:00.50
NO 100	1000.0	58.00	0.00	4:41	12:20	6:05.75



LEGEND

FIG : _____

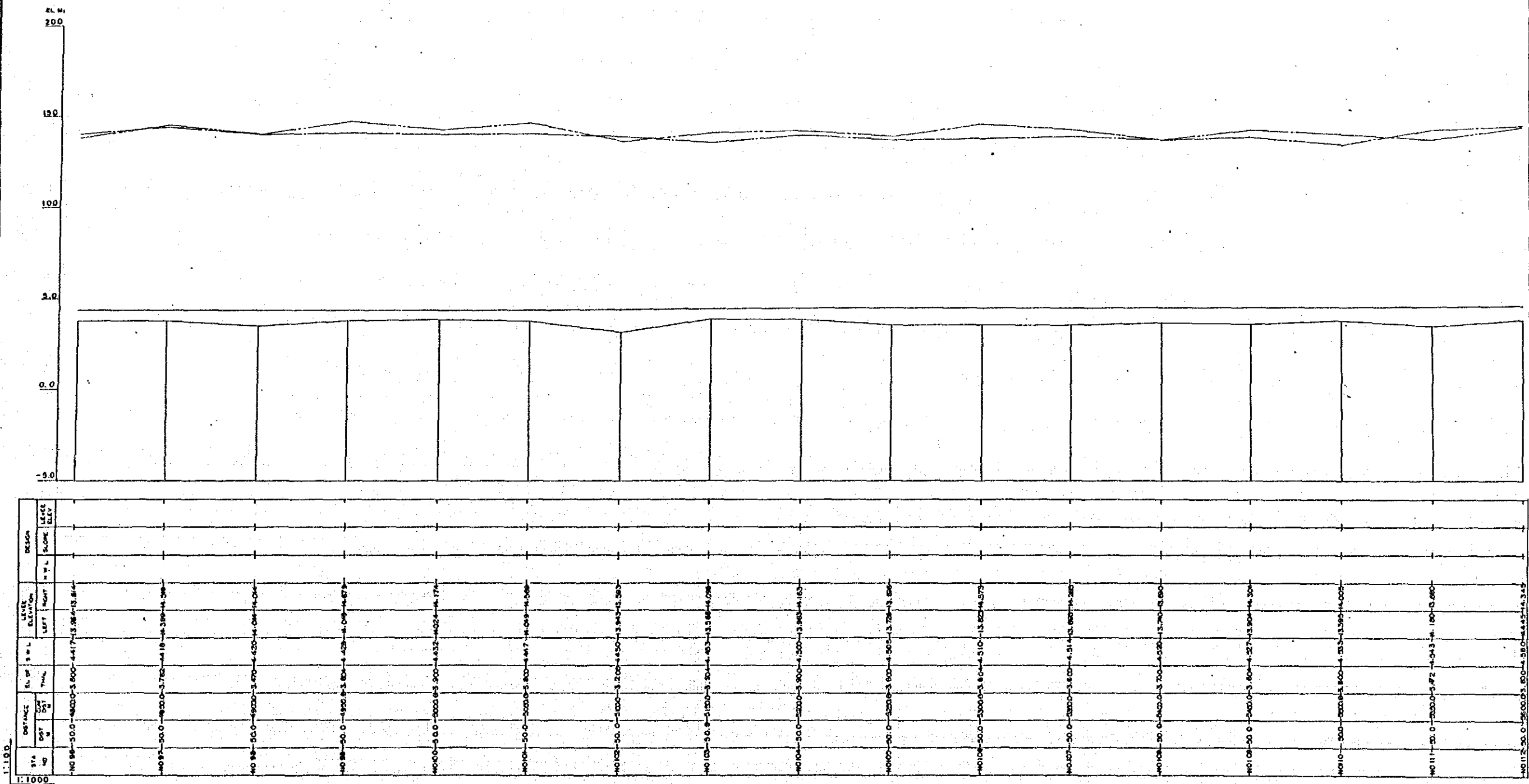
AL 6

SOURCE : JICA STUDY TEAM

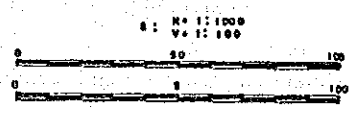
SCALE : AS SHOWN

DATE OF DRAWING : 1990.12.31

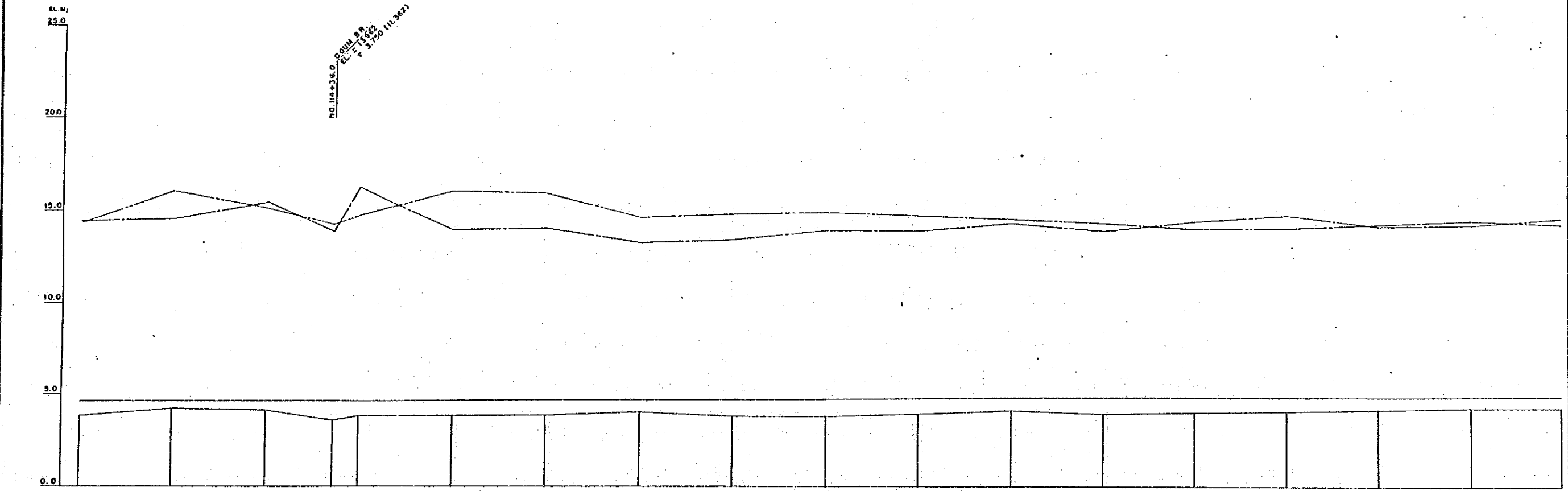
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1:100

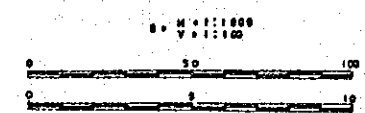


LEGEND	FRG
	AL 7
	SOURCE : JICA STUDY TEAM
	SCALE : AS SHOWN
	DATE OF DRAWING : 1990. 12. 3
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity	



STA. NO.	DISTANCE FROM P.P. (M)	EL. OF S.W.L.		LEVEL ELEVATION		DESIGN
		THAL.	TO TOP OF BANK	LEFT	RIGHT	
NO. 112+50.0	3600.0	3.800	4.580	14.45	14.35	
NO. 112+50.0	3600.0	4.19	5.92	14.51	14.00	
NO. 114+50.0	3700.0	4.100	4.900	15.30	15.00	
NO. 115+36.0	3736.0	3.500	4.584	13.812	14.162	
NO. 115+14.0	3750.0	3.750	4.604	13.84	14.02	
NO. 116+50.0	3800.0	3.780	4.628	13.800	13.90	
NO. 117+50.0	3850.0	3.821	4.659	13.975	13.875	
NO. 118+50.0	3900.0	4.011	4.650	13.24	14.52	
NO. 119+50.0	3950.0	3.820	4.663	13.34	14.79	
NO. 120+50.0	4000.0	3.800	4.600	13.00	14.23	
NO. 121+50.0	4050.0	3.900	4.700	13.94	14.83	
NO. 122+50.0	4100.0	4.109	4.740	14.30	14.54	
NO. 123+50.0	4150.0	3.904	4.753	13.58	14.53	
NO. 124+50.0	4200.0	3.989	4.780	14.442	13.982	
NO. 125+50.0	4250.0	4.120	4.792	14.65	14.04	
NO. 126+50.0	4300.0	4.102	4.795	14.438	14.23	
NO. 127+50.0	4350.0	4.221	4.800	14.23	14.34	
NO. 128+50.0	4400.0	4.232	4.802	14.85	14.195	

1:1,000



LEGEND

FIG :

AL B

SOURCE : JICA STUDY TEAM

SCALE : AS SHOWN

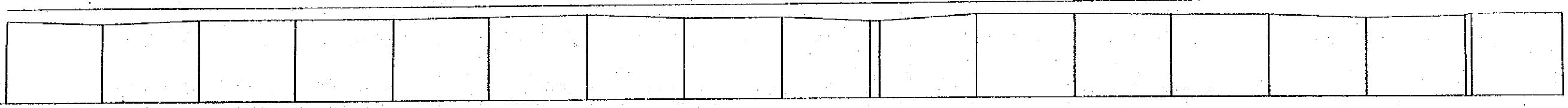
DATE OF DRAWING : 1990. 12. 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

NO.143+3.0, ANHYDROUS RAIL CROSSING
 EL. = 15.850
 P = 4.221 (19.240)

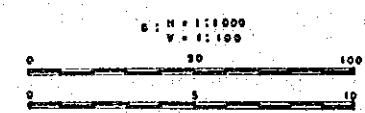
NO.138+4.50, RIVER BR.
 EL. = 15.354
 P = 4.003 (14.094)

25.0
 20.0
 15.0
 10.0
 5.0
 0.0



STA NO	DISTANCE FROM 0+00	EL. OF S.W.L.		DESIGN SLOPE	LEVEE ELEVATION	
		THAL.	W.L.		LEFT	RIGHT
NO.128	50.0	6600.0	6335.0	0.02	14.85	14.85
NO.129	50.0	6600.0	6300.0	0.00	14.45	14.20
NO.130	50.0	6600.0	6287.0	0.03	14.35	14.25
NO.131	50.0	6600.0	6202.0	0.04	14.05	14.80
NO.132	50.0	6600.0	6220.0	0.00	13.77	14.32
NO.133	50.0	6600.0	6303.0	0.00	14.65	14.50
NO.134	50.0	6700.0	6401.0	0.00	14.57	14.67
NO.135	50.0	6700.0	6200.0	0.12	14.00	14.20
NO.136	50.0	6800.0	64202.0	0.00	14.48	14.38
NO.137	50.0	6840.0	6403.0	0.00	15.24	15.34
NO.138	50.0	6800.0	6403.0	0.00	14.78	15.14
NO.139	50.0	6800.0	6301.0	0.00	14.50	14.74
NO.140	50.0	6800.0	6300.0	0.00	14.00	14.00
NO.141	50.0	7000.0	64204.0	0.00	14.78	15.32
NO.142	50.0	7000.0	64003.0	0.00	14.33	14.94
NO.143	50.0	7100.0	64101.0	0.00	14.00	14.80
NO.144	50.0	7100.0	64221.0	0.00	15.00	15.80
NO.145	50.0	7200.0	64223.0	0.00	15.75	15.90

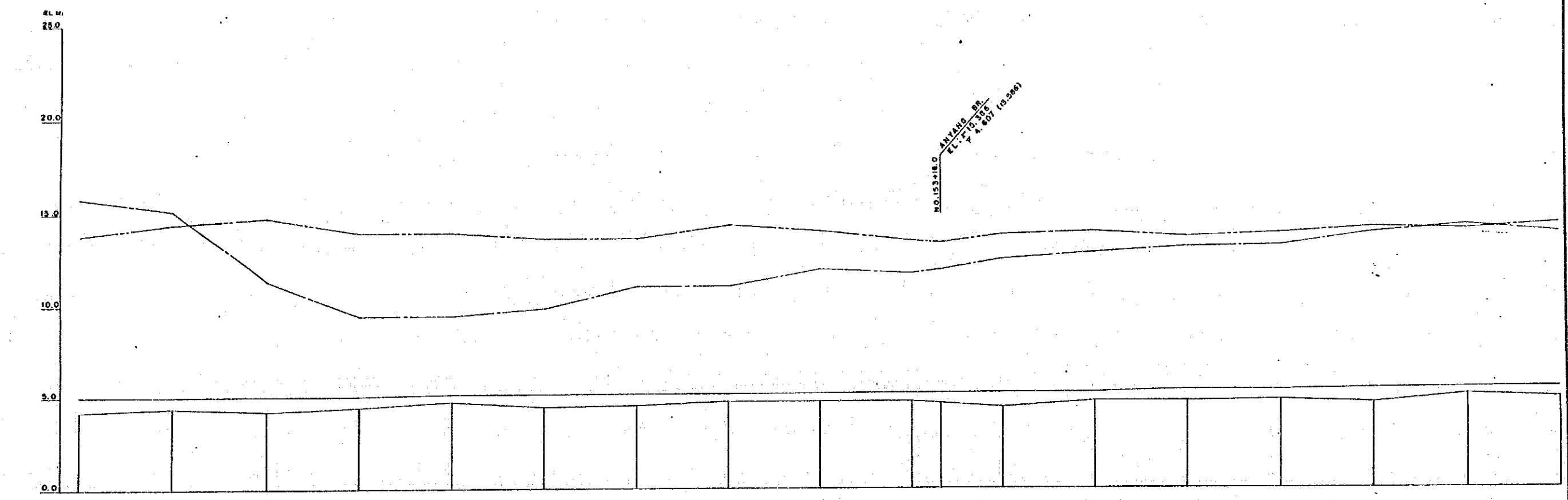
1:1000



LEGEND

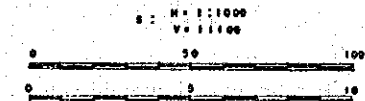
FIG	
AL	9
SOURCE	JICA STUDY TEAM
SCALE	A 3 SHOWN
DATE OF DRAWING	1990.12.2

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



STA NO.	DISTANCE (M)	EL. OF S.W.L.		LEVEE ELEVATION		DESIGN
		CH. BOTT.	CH. TOP	LEFT	RIGHT	
NO.144	47.0	7700.0	4.223	50.00	5.796	13.845
NO.145	50.0	77300.0	4.400	50.00	5.129	14.398
NO.146	50.0	7800.0	4.204	50.00	11.736	14.686
NO.147	50.0	7850.0	4.403	50.00	8.396	13.898
NO.148	50.0	7920.0	4.692	51.00	8.390	13.895
NO.149	50.0	7950.0	4.403	51.11	8.828	13.629
NO.150	50.0	7950.0	4.501	51.13	10.988	13.298
NO.151	50.0	7950.0	4.700	51.17	10.038	14.344
NO.152	50.0	7950.0	4.703	51.18	11.900	13.978
NO.153	50.0	7950.0	4.704	51.17	11.883	13.540
NO.154	50.0	7956.0	4.807	51.19	11.867	13.390
NO.155	50.0	7950.0	4.403	50.00	12.458	13.758
NO.156	50.0	7950.0	4.803	51.20	12.823	14.023
NO.157	50.0	7950.0	4.701	51.30	13.084	13.324
NO.158	50.0	7950.0	4.167	51.40	13.879	14.179
NO.159	50.0	7950.0	4.103	51.40	14.341	14.641
NO.160	50.0	7950.0	4.903	51.50	13.982	14.424

1:1,000



LEGEND

FIG. : AL 10

SOURCE : JICA STUDY TEAM

SCALE : A 3 SHOWN

DATE OF DRAWING : 1990. 12. 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

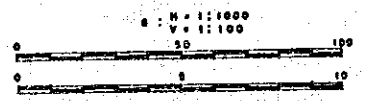
R.L. M
 25.0
 20.0
 15.0
 10.0
 5.0
 0.0

BRIDGE
 E.L. 4.81
 4.923 (R. 211)

MAHOMKONG BR.
 E.L. 4.927
 5.301 (115.027)

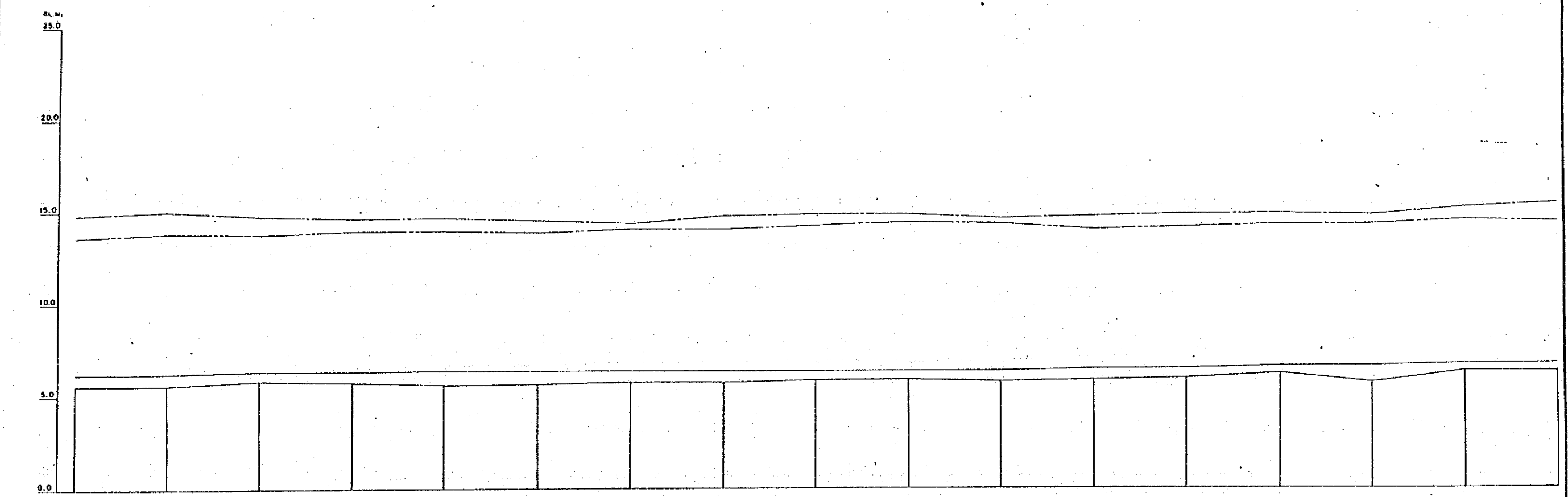
STA NO	DISTANCE	EL OF S.W.L.		LEVEE ELEVATION		DESIGN		
		CH' L	TRAIL	LEFT	RIGHT		F = L	SLOPE
NO 160	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 161	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 162	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 163	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 164	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 165	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 166	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 167	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 168	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 169	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 170	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 171	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 172	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 173	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 174	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 175	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		
NO 176	50.0	8030.0	8030.0	8030.0	8030.0	13.822-14.422		

1:100



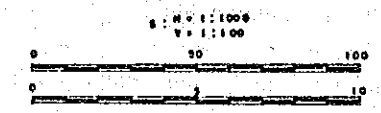
LEGEND	FIG
	AL 11
	SOURCE : JICA STUDY TEAM
	SCALE : A.S. BROWN
	DATE OF DRAWING : 1990.12.31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



S ⁿ	DISTANCE		EL. OF S = L	LEVEE ELEVATION		DESIGN
	DIST. FROM S ⁿ	DIST. FROM S ⁿ⁻¹		LEFT	RIGHT	
H0176	0.0	8000.0	5.60	6.19	14.82	13.63
H0177	50.0	8050.0	5.62	6.20	14.95	13.75
H0178	100.0	8100.0	5.80	6.32	14.82	13.72
H0179	150.0	8150.0	5.70	6.30	14.66	13.91
H0180	200.0	8200.0	5.60	6.30	14.44	13.94
H0181	250.0	8250.0	5.60	6.30	14.31	13.86
H0182	300.0	8300.0	5.70	6.37	14.32	14.01
H0183	350.0	8350.0	5.70	6.30	14.65	13.90
H0184	400.0	8400.0	5.80	6.32	14.73	14.20
H0185	450.0	8450.0	5.80	6.31	14.12	14.12
H0186	500.0	8500.0	5.70	6.30	14.32	14.25
H0187	550.0	8550.0	5.80	6.40	14.73	14.03
H0188	600.0	8600.0	6.30	6.42	14.20	14.32
H0189	650.0	8650.0	6.10	6.50	14.82	14.22
H0190	700.0	8700.0	6.60	6.50	14.67	14.27
H0191	750.0	8750.0	6.20	6.60	15.07	14.36
H0192	800.0	8800.0	6.20	6.60	15.20	14.34

1:100



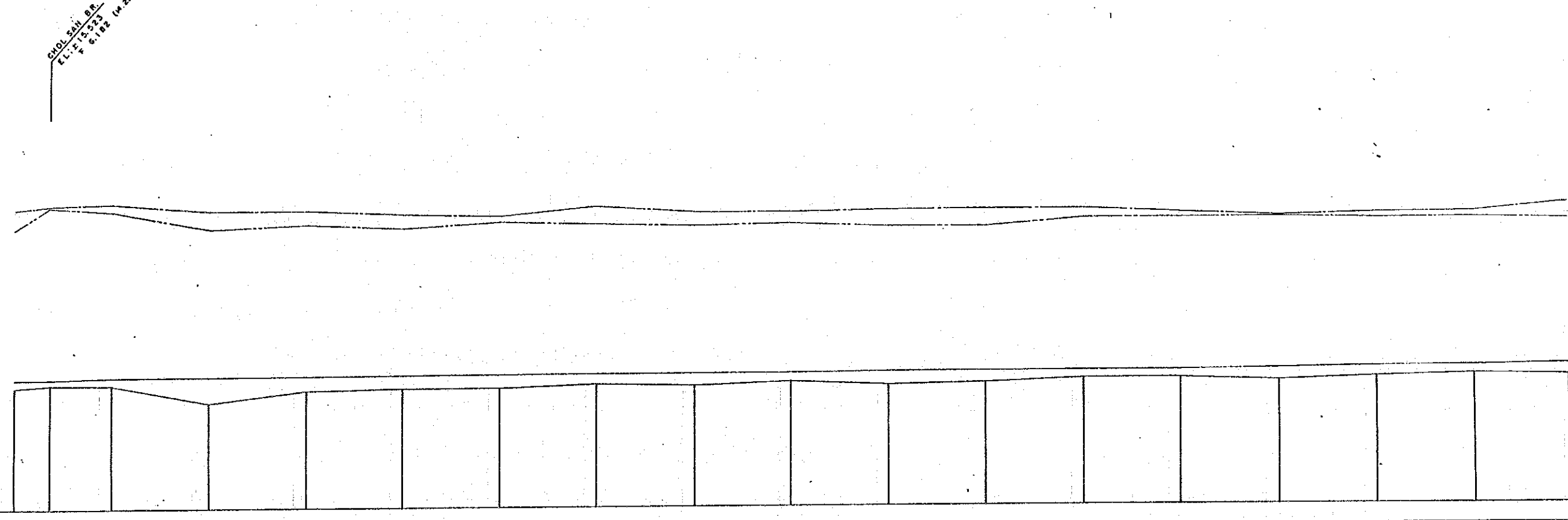
LEGEND

FIG	
AL 12	
SOURCE	JICA STUDY TEAM
SCALE	AS SHOWN
DATE OF DRAWING	1990. 12. 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

EL. M.
 25.0
 20.0
 15.0
 10.0
 5.0
 0.0

CHOL SAI R.R.
 E.L. 15.553
 F. 6.182 (A.223)



1:100
 1:1000

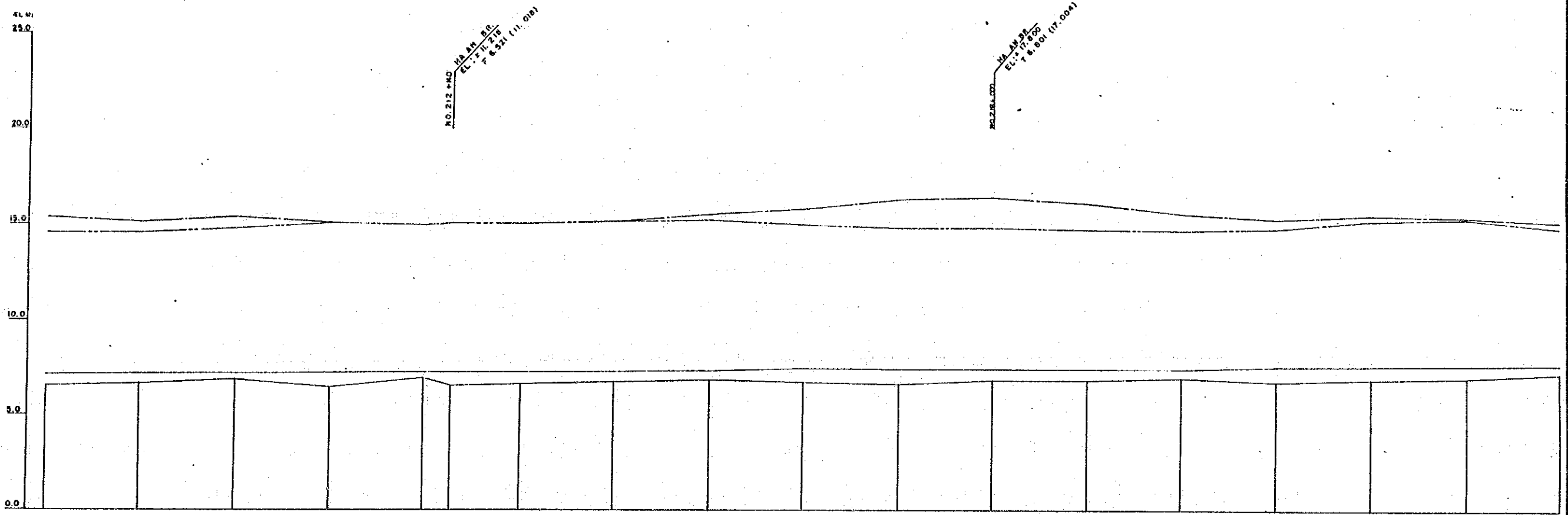
STA NO	DISTANCE D.R. M	L.C. OF S.W. T.M.	LEVEE ELEVATION		DESIGN SLOPE
			LEFT	RIGHT	
+0 52	50.0	8.20	8.60	13.20	14.30
+1 18	98.80	6.182	6.60	13.50	14.62
+0 93	32.0	6.305	6.703	13.05	13.72
+0 94	50.0	6.703	6.703	13.20	14.30
+0 95	50.0	6.000	6.762	13.10	14.20
+0 96	50.0	6.102	6.730	13.05	14.32
+0 97	50.0	6.105	6.787	13.02	14.62
+0 98	50.0	6.301	6.803	13.35	14.52
+0 99	50.0	6.228	6.833	13.03	14.53
+0 200	50.0	6.370	6.803	13.05	14.46
+0 201	50.0	6.300	6.851	13.15	14.30
+0 202	50.0	6.303	6.803	13.19	14.29
+0 203	50.0	6.150	6.901	13.16	14.72
+0 204	50.0	6.300	6.910	13.02	14.71
+0 205	50.0	6.250	6.950	14.72	14.67
+0 206	50.0	6.000	6.902	14.80	14.20
+0 207	50.0	6.632	7.030	14.23	14.58
+0 208	50.0	6.900	7.030	13.17	14.37



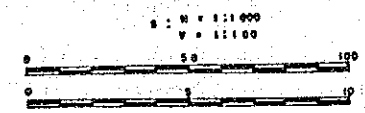
LEGEND

FIG	
AL	13
SOURCE	JICA STUDY TEAM
SCALE	A 1:8000
DATE OF DRAWING	1990.12.31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



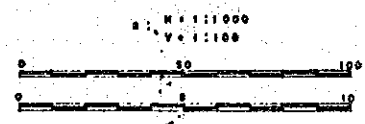
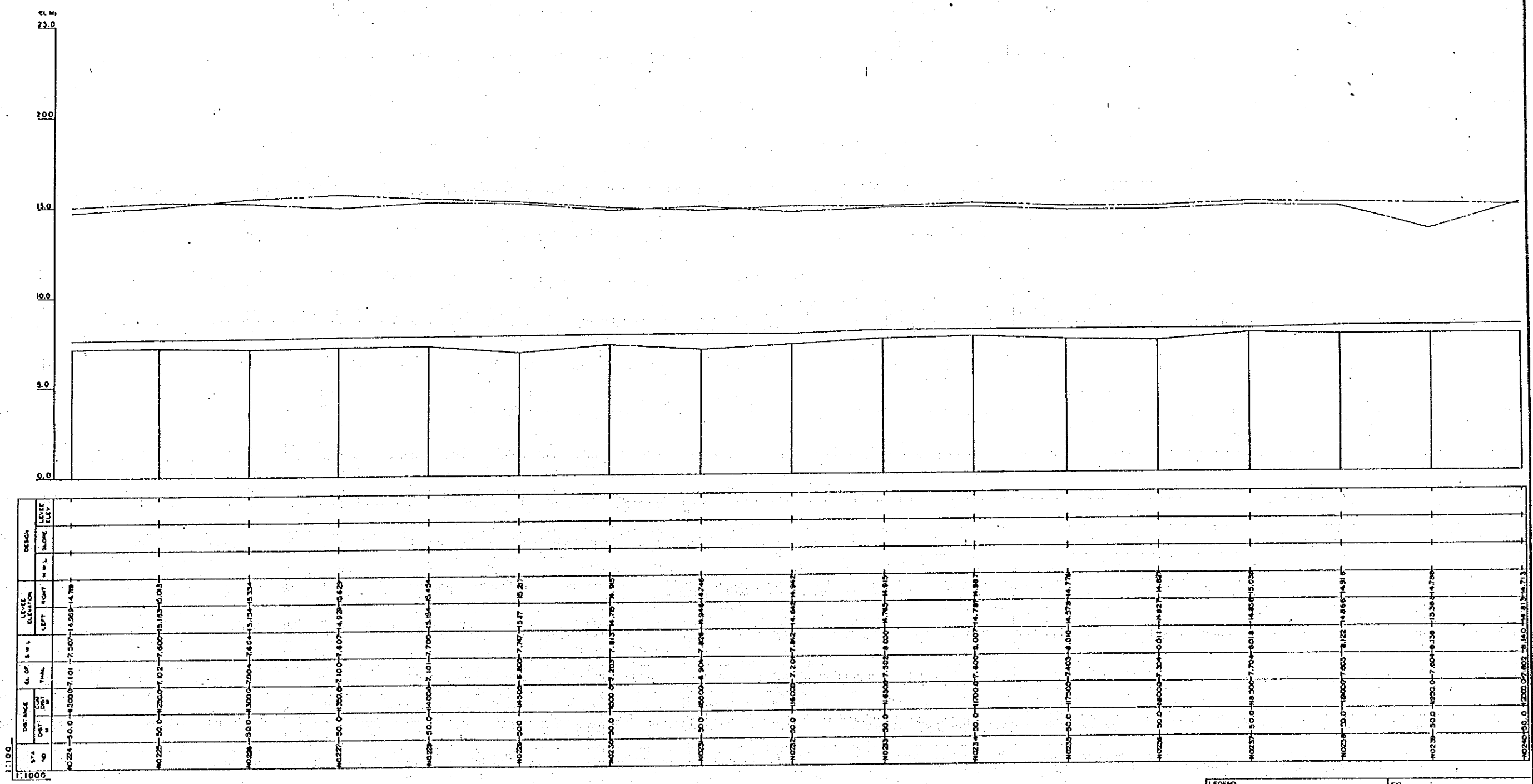
STATION	EL. OF S.W.L.		LEVEE ELEVATION		DESIGN
	NO.	EL.	LEFT	RIGHT	
7+000	7+000	6.503	7.000	8.37	1:1.00
7+500	7+500	6.504	7.000	8.545	
8+000	8+000	6.790	7.100	8.700	
8+500	8+500	6.403	7.04	8.000	
9+000	9+000	6.903	7.100	8.925	
9+500	9+500	6.521	7.08	8.118	
10+000	10+000	6.803	7.200	8.025	
10+500	10+500	6.701	7.207	8.082	
11+000	11+000	6.804	7.300	8.336	
11+500	11+500	6.704	7.395	8.300	
12+000	12+000	6.601	7.397	8.228	
12+500	12+500	6.800	7.398	8.354	
13+000	13+000	6.800	7.400	8.054	
13+500	13+500	6.903	7.402	8.330	
14+000	14+000	6.702	7.300	8.183	
14+500	14+500	6.803	7.300	8.377	
15+000	15+000	6.903	7.300	8.315	
15+500	15+500	7.101	7.300	8.988	



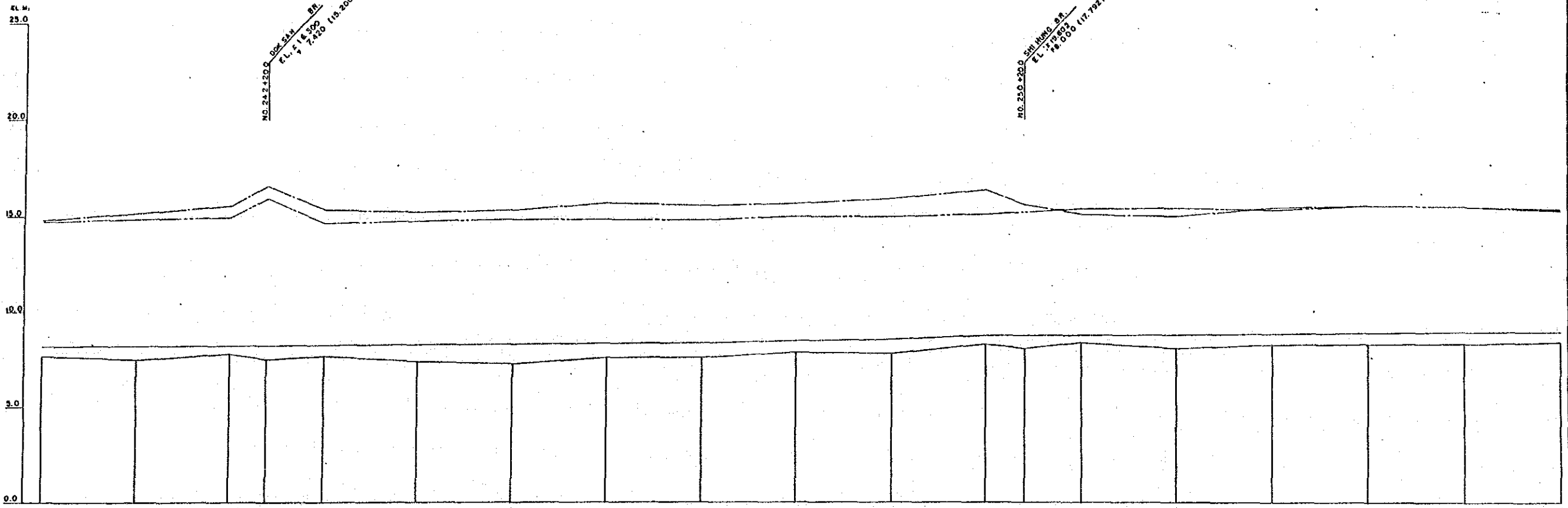
LEGEND

FIG	
ALIA	
SOURCE	JICA STUDY TEAM
SCALE	A3 3/80PH
DATE OF DRAWING	1990.12.31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



LEGEND	FIG
	AL 15
	SOURCE : JICA STUDY TEAM
	SCALE : AS SHOWN
	DATE OF DRAWING : 1999. 12. 31
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity	



STA NO	DISTANCE	BL OF S.W. THAL.	LEVEE ELEVATION		DESIGN H = L	SLOPE
			LEFT	RIGHT		
20+24	0.0	7.602	8.140	14.813	14.713	
20+24	30.0	7.400	8.140	15.087	14.830	
20+24	50.0	7.859	8.148	15.747	14.928	
20	70.0	7.420	8.148	16.500	15.088	
20+23	30.0	7.642	8.150	15.328	14.628	
20+24	50.0	7.300	8.170	15.121	14.781	
20+24	50.0	7.200	8.200	15.238	14.781	
20+24	50.0	7.500	8.209	15.848	14.789	
20+27	50.0	7.500	8.300	16.332	14.752	
20+28	50.0	7.810	8.401	16.874	14.978	
20+28	50.0	7.700	8.500	16.879	15.023	
20+28	50.0	7.242	8.700	16.322	15.102	
+20	200	8.000	8.713	15.573	15.173	
20+21	30.0	8.294	8.719	16.083	15.383	
20+25	50.0	8.980	8.723	16.003	15.402	
20+23	50.0	8.204	8.730	15.536	15.256	
20+24	50.0	8.200	8.800	15.588	15.538	
20+25	50.0	8.200	8.835	15.442	15.442	
20+28	50.0	8.303	8.846	15.193	15.293	

1:100



LEGEND

FIG

AL 16

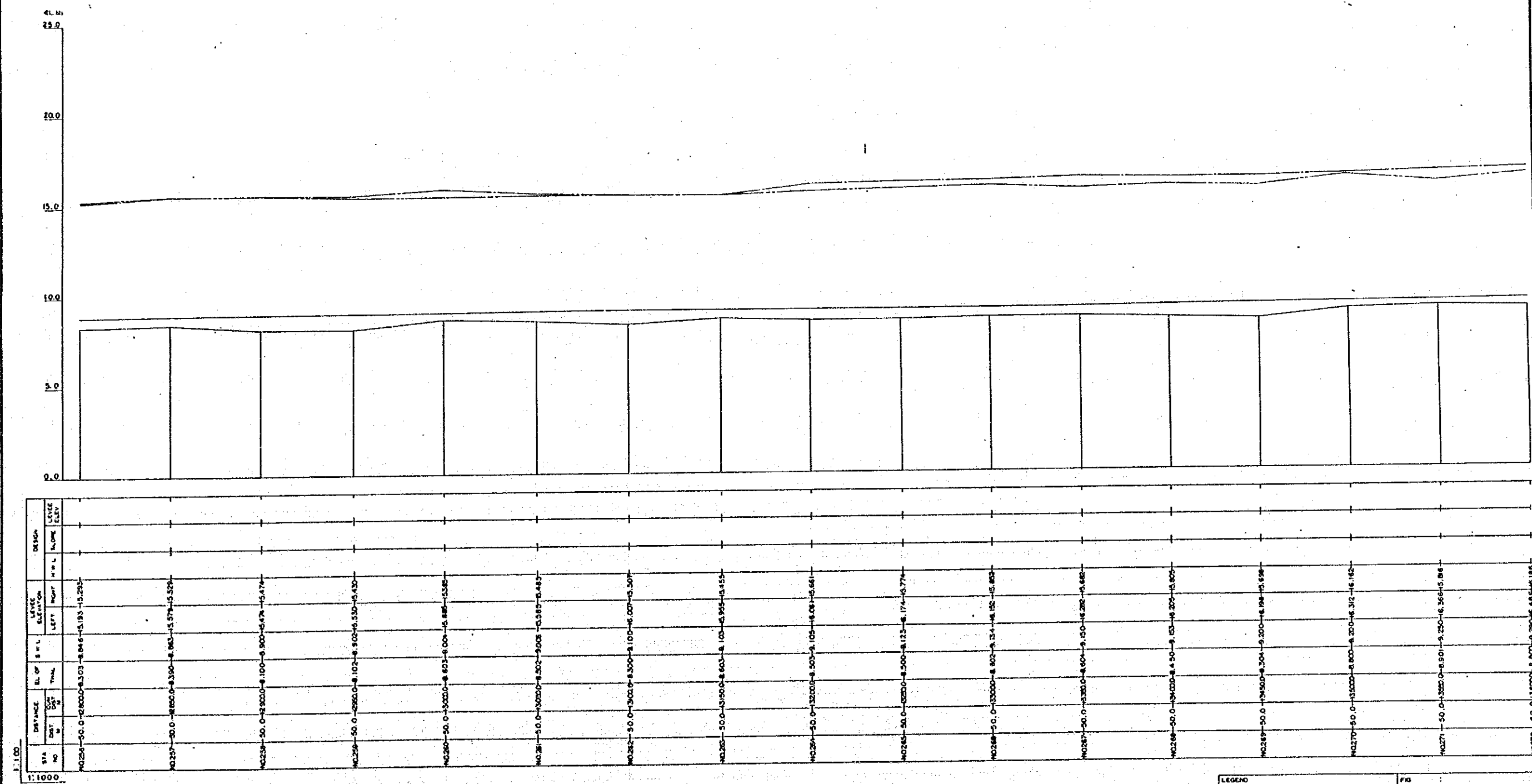
SOURCE : JICA STUDY TEAM

SCALE : AS SHOWN

DATE OF DRAWING : 2001.12.31

NO. 12 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



STA. NO.	DISTANCE FROM STA. NO. 0	EL. OF S.W.L.		LEVEE ELEVATION		DESIGN FLOOD	LEVEE ELEV.
		THICK.	RIGHT	LEFT	ALLOW.		
40224	0.0	8.846	8.303	15.193	15.225		
40225	50.0	8.850	8.350	15.179	15.329		
40226	100.0	8.800	8.100	15.174	15.474		
40229	50.0	8.860	8.102	15.193	15.430		
40230	100.0	8.803	8.004	15.185	15.385		
40231	150.0	8.502	8.008	15.185	15.483		
40232	200.0	8.300	8.100	15.207	15.507		
40235	50.0	8.603	8.103	15.195	15.555		
40236	100.0	8.500	8.105	15.168	15.561		
40237	150.0	8.500	8.123	15.174	15.774		
40238	200.0	8.602	8.134	15.182	15.822		
40239	250.0	8.604	8.150	15.226	15.856		
40240	300.0	8.500	8.153	15.202	15.802		
40245	50.0	8.304	8.200	15.198	15.898		
40270	50.0	8.800	8.200	15.312	16.162		
40271	100.0	8.501	8.250	15.364	16.364		
40272	150.0	8.600	8.200	15.416	16.516		

1:1000



LEGEND

FR	
AL	17
SOURCE	JICA STUDY TEAM
SCALE	AS SHOWN
DATE OF DRAWING	1990. 12. 9

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity

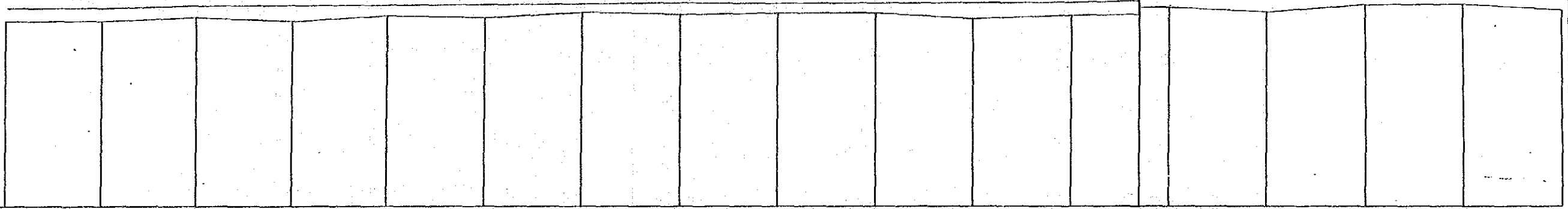
EL. M
 25.0
 20.0
 15.0
 10.0
 5.0
 0.0

M0.282+200 V.I.A BR.
 EL. 19.0743
 1:3.000 (19.389)

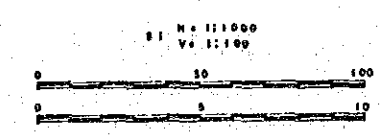
STA NO	DISTANCE FROM 0+000	EL. OF SW L		LEVEE ELEVATION		DESIGN SLOPE
		Top	Bottom	Left	Right	
M0.272	30.0	15.830	8.800	9.250	16.438	1:6.184
M0.273	50.0	15.850	8.700	9.300	16.327	1:6.177
M0.274	70.0	15.870	8.600	9.350	16.220	
M0.275	90.0	15.890	8.500	9.350	16.141	1:6.164
M0.276	110.0	15.910	8.400	9.350	16.062	
M0.277	130.0	15.930	8.300	9.350	15.983	1:6.055
M0.278	150.0	15.950	8.200	9.350	15.904	
M0.279	170.0	15.970	8.100	9.350	15.825	1:6.047
M0.280	190.0	15.990	8.000	9.350	15.746	
M0.281	210.0	16.010	7.900	9.350	15.667	1:6.039
M0.282	230.0	16.030	7.800	9.350	15.588	
M0.283	250.0	16.050	7.700	9.350	15.509	1:6.031
M0.284	270.0	16.070	7.600	9.350	15.430	
M0.285	290.0	16.090	7.500	9.350	15.351	1:6.023
M0.286	310.0	16.110	7.400	9.350	15.272	
M0.287	330.0	16.130	7.300	9.350	15.193	1:6.015
M0.288	350.0	16.150	7.200	9.350	15.114	
M0.289	370.0	16.170	7.100	9.350	15.035	1:6.007
M0.290	390.0	16.190	7.000	9.350	14.956	
M0.291	410.0	16.210	6.900	9.350	14.877	1:5.999
M0.292	430.0	16.230	6.800	9.350	14.798	
M0.293	450.0	16.250	6.700	9.350	14.719	1:5.991
M0.294	470.0	16.270	6.600	9.350	14.640	
M0.295	490.0	16.290	6.500	9.350	14.561	1:5.983
M0.296	510.0	16.310	6.400	9.350	14.482	
M0.297	530.0	16.330	6.300	9.350	14.403	1:5.975
M0.298	550.0	16.350	6.200	9.350	14.324	
M0.299	570.0	16.370	6.100	9.350	14.245	1:5.967
M0.300	590.0	16.390	6.000	9.350	14.166	
M0.301	610.0	16.410	5.900	9.350	14.087	1:5.959
M0.302	630.0	16.430	5.800	9.350	14.008	
M0.303	650.0	16.450	5.700	9.350	13.929	1:5.951
M0.304	670.0	16.470	5.600	9.350	13.850	
M0.305	690.0	16.490	5.500	9.350	13.771	1:5.943
M0.306	710.0	16.510	5.400	9.350	13.692	
M0.307	730.0	16.530	5.300	9.350	13.613	1:5.935
M0.308	750.0	16.550	5.200	9.350	13.534	
M0.309	770.0	16.570	5.100	9.350	13.455	1:5.927
M0.310	790.0	16.590	5.000	9.350	13.376	
M0.311	810.0	16.610	4.900	9.350	13.297	1:5.919
M0.312	830.0	16.630	4.800	9.350	13.218	
M0.313	850.0	16.650	4.700	9.350	13.139	1:5.911
M0.314	870.0	16.670	4.600	9.350	13.060	
M0.315	890.0	16.690	4.500	9.350	12.981	1:5.903
M0.316	910.0	16.710	4.400	9.350	12.902	
M0.317	930.0	16.730	4.300	9.350	12.823	1:5.895
M0.318	950.0	16.750	4.200	9.350	12.744	
M0.319	970.0	16.770	4.100	9.350	12.665	1:5.887
M0.320	990.0	16.790	4.000	9.350	12.586	
M0.321	1010.0	16.810	3.900	9.350	12.507	1:5.879
M0.322	1030.0	16.830	3.800	9.350	12.428	
M0.323	1050.0	16.850	3.700	9.350	12.349	1:5.871
M0.324	1070.0	16.870	3.600	9.350	12.270	
M0.325	1090.0	16.890	3.500	9.350	12.191	1:5.863
M0.326	1110.0	16.910	3.400	9.350	12.112	
M0.327	1130.0	16.930	3.300	9.350	12.033	1:5.855
M0.328	1150.0	16.950	3.200	9.350	11.954	
M0.329	1170.0	16.970	3.100	9.350	11.875	1:5.847
M0.330	1190.0	16.990	3.000	9.350	11.796	
M0.331	1210.0	17.010	2.900	9.350	11.717	1:5.839
M0.332	1230.0	17.030	2.800	9.350	11.638	
M0.333	1250.0	17.050	2.700	9.350	11.559	1:5.831
M0.334	1270.0	17.070	2.600	9.350	11.480	
M0.335	1290.0	17.090	2.500	9.350	11.401	1:5.823
M0.336	1310.0	17.110	2.400	9.350	11.322	
M0.337	1330.0	17.130	2.300	9.350	11.243	1:5.815
M0.338	1350.0	17.150	2.200	9.350	11.164	
M0.339	1370.0	17.170	2.100	9.350	11.085	1:5.807
M0.340	1390.0	17.190	2.000	9.350	11.006	
M0.341	1410.0	17.210	1.900	9.350	10.927	1:5.799
M0.342	1430.0	17.230	1.800	9.350	10.848	
M0.343	1450.0	17.250	1.700	9.350	10.769	1:5.791
M0.344	1470.0	17.270	1.600	9.350	10.690	
M0.345	1490.0	17.290	1.500	9.350	10.611	1:5.783
M0.346	1510.0	17.310	1.400	9.350	10.532	
M0.347	1530.0	17.330	1.300	9.350	10.453	1:5.775
M0.348	1550.0	17.350	1.200	9.350	10.374	
M0.349	1570.0	17.370	1.100	9.350	10.295	1:5.767
M0.350	1590.0	17.390	1.000	9.350	10.216	
M0.351	1610.0	17.410	0.900	9.350	10.137	1:5.759
M0.352	1630.0	17.430	0.800	9.350	10.058	
M0.353	1650.0	17.450	0.700	9.350	9.979	1:5.751
M0.354	1670.0	17.470	0.600	9.350	9.900	
M0.355	1690.0	17.490	0.500	9.350	9.821	1:5.743
M0.356	1710.0	17.510	0.400	9.350	9.742	
M0.357	1730.0	17.530	0.300	9.350	9.663	1:5.735
M0.358	1750.0	17.550	0.200	9.350	9.584	
M0.359	1770.0	17.570	0.100	9.350	9.505	1:5.727
M0.360	1790.0	17.590	0.000	9.350	9.426	
M0.361	1810.0	17.610	0.000	9.350	9.347	1:5.719
M0.362	1830.0	17.630	0.000	9.350	9.268	
M0.363	1850.0	17.650	0.000	9.350	9.189	1:5.711
M0.364	1870.0	17.670	0.000	9.350	9.110	
M0.365	1890.0	17.690	0.000	9.350	9.031	1:5.703
M0.366	1910.0	17.710	0.000	9.350	8.952	
M0.367	1930.0	17.730	0.000	9.350	8.873	1:5.695
M0.368	1950.0	17.750	0.000	9.350	8.794	
M0.369	1970.0	17.770	0.000	9.350	8.715	1:5.687
M0.370	1990.0	17.790	0.000	9.350	8.636	
M0.371	2010.0	17.810	0.000	9.350	8.557	1:5.679
M0.372	2030.0	17.830	0.000	9.350	8.478	
M0.373	2050.0	17.850	0.000	9.350	8.399	1:5.671
M0.374	2070.0	17.870	0.000	9.350	8.320	
M0.375	2090.0	17.890	0.000	9.350	8.241	1:5.663
M0.376	2110.0	17.910	0.000	9.350	8.162	
M0.377	2130.0	17.930	0.000	9.350	8.083	1:5.655
M0.378	2150.0	17.950	0.000	9.350	8.004	
M0.379	2170.0	17.970	0.000	9.350	7.925	1:5.647
M0.380	2190.0	17.990	0.000	9.350	7.846	
M0.381	2210.0	18.010	0.000	9.350	7.767	1:5.639
M0.382	2230.0	18.030	0.000	9.350	7.688	
M0.383	2250.0	18.050	0.000	9.350	7.609	1:5.631
M0.384	2270.0	18.070	0.000	9.350	7.530	
M0.385	2290.0	18.090	0.000	9.350	7.451	1:5.623
M0.386	2310.0	18.110	0.000	9.350	7.372	
M0.387	2330.0	18.130	0.000	9.350	7.293	1:5.615
M0.388	2350.0	18.150	0.000	9.350	7.214	
M0.389	2370.0	18.170	0.000	9.350	7.135	1:5.607
M0.390	2390.0	18.190	0.000	9.350	7.056	
M0.391	2410.0	18.210	0.000	9.350	6.977	1:5.599
M0.392	2430.0	18.230	0.000	9.350	6.898	
M0.393	2450.0	18.250	0.000	9.350	6.819	1:5.591
M0.394	2470.0	18.270	0.000	9.350	6.740	
M0.395	2490.0	18.290	0.000	9.350	6.661	1:5.583
M0.396	2510.0	18.310	0.000	9.350	6.582	
M0.397	2530.0	18.330	0.000	9.350	6.503	1:5.575
M0.398	2550.0	18.350	0.000	9.350	6.424	
M0.399	2570.0	18.370	0.000	9.350	6.345	1:5.567
M0.400	2590.0	18.390	0.000	9.350	6.266	
M0.401	2610.0	18.410	0.000	9.350	6.187	1:5.559
M0.402	2630.0	18.430	0.000	9.350	6.108	
M0.403	2650.0	18.450	0.000	9.350	6.029	1:5.551
M0.404	2670.0	18.470	0.000	9.350	5.950	
M0.405	2690.0	18.490	0.000	9.350	5.871	1:5.543
M0.406	2710.0	18.510	0.000	9.350	5.792	
M0.407	2730.0	18.530	0.000	9.350	5.713	1:5.535
M0.408	2750.0	18.550	0.000	9.350	5.634	
M0.409	2770.0	18.570	0.000	9.350	5.555	1:5.527
M0.410	2790.0	18.590	0.000	9.350	5.476	
M0.411	2810.0	18.610	0.000	9.350	5.397	1:5.519
M0.412	2830.0	18.630	0.000	9.350	5.318	
M0.413	2850.0	18.650	0.000	9.350	5.239	1:5.511
M0.414	2870.					

EL. M.
 25.0
 20.0
 15.0
 10.0
 5.0
 0.0

No. 2982550
 WEIR

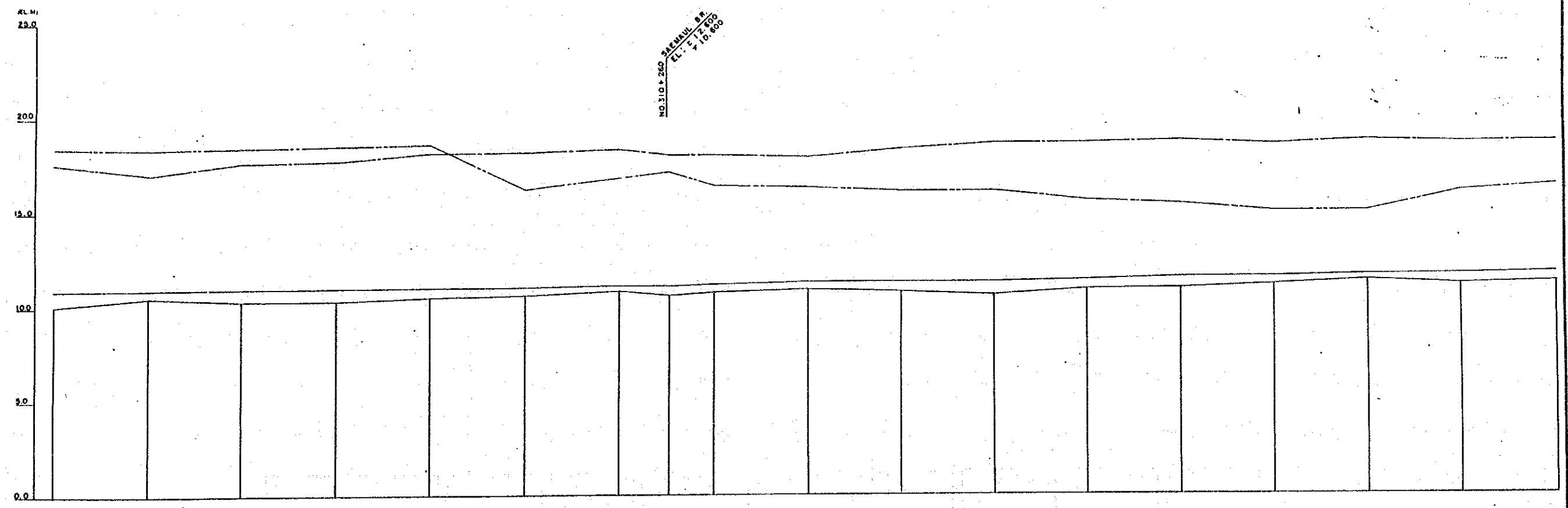


STATION	DIST. FROM 0+000	EL. OF S.W.L.	DESIGN		DESIGN
			W L	H L	
0+000	0.0	14.400	8.500	10.200	16.586
0+100	100.0	14.450	8.502	10.204	16.693
0+200	200.0	14.500	8.504	10.208	16.800
0+300	300.0	14.550	8.506	10.212	16.907
0+400	400.0	14.600	8.508	10.216	17.014
0+500	500.0	14.650	8.510	10.220	17.121
0+600	600.0	14.700	8.512	10.224	17.228
0+700	700.0	14.750	8.514	10.228	17.335
0+800	800.0	14.800	8.516	10.232	17.442
0+900	900.0	14.850	8.518	10.236	17.549
0+1000	1000.0	14.900	8.520	10.240	17.656
0+1100	1100.0	14.950	8.522	10.244	17.763
0+1200	1200.0	15.000	8.524	10.248	17.870
0+1300	1300.0	15.050	8.526	10.252	17.977
0+1400	1400.0	15.100	8.528	10.256	18.084
0+1500	1500.0	15.150	8.530	10.260	18.191
0+1600	1600.0	15.200	8.532	10.264	18.298
0+1700	1700.0	15.250	8.534	10.268	18.405
0+1800	1800.0	15.300	8.536	10.272	18.512
0+1900	1900.0	15.350	8.538	10.276	18.619
0+2000	2000.0	15.400	8.540	10.280	18.726
0+2100	2100.0	15.450	8.542	10.284	18.833
0+2200	2200.0	15.500	8.544	10.288	18.940
0+2300	2300.0	15.550	8.546	10.292	19.047
0+2400	2400.0	15.600	8.548	10.296	19.154
0+2500	2500.0	15.650	8.550	10.300	19.261
0+2600	2600.0	15.700	8.552	10.304	19.368
0+2700	2700.0	15.750	8.554	10.308	19.475
0+2800	2800.0	15.800	8.556	10.312	19.582
0+2900	2900.0	15.850	8.558	10.316	19.689
0+3000	3000.0	15.900	8.560	10.320	19.796
0+3100	3100.0	15.950	8.562	10.324	19.903
0+3200	3200.0	16.000	8.564	10.328	20.010
0+3300	3300.0	16.050	8.566	10.332	20.117
0+3400	3400.0	16.100	8.568	10.336	20.224
0+3500	3500.0	16.150	8.570	10.340	20.331
0+3600	3600.0	16.200	8.572	10.344	20.438
0+3700	3700.0	16.250	8.574	10.348	20.545
0+3800	3800.0	16.300	8.576	10.352	20.652
0+3900	3900.0	16.350	8.578	10.356	20.759
0+4000	4000.0	16.400	8.580	10.360	20.866



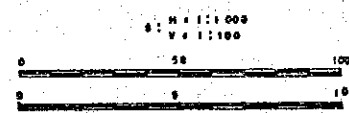
LEGEND	FIG
	AL 19
	SOURCE : JICA STUDY TEAM
	SCALE : AS SHOWN
	DATE OF DRAWING : 1999. 12. 31
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity	

NO. 310 + 260
SARMAUL BR.
EL. = 12.700
10.800



STA NO	DISTANCE FROM STA 304 (M)	EL. OF SWL (M)		DESIGN SLOPE		DESIGN SLOPE
		LEFT	RIGHT	LEFT	RIGHT	
NO. 304	0.0	10.00	10.00	1:1	1:1	1:1
NO. 305	50.0	10.00	10.00	1:1	1:1	1:1
NO. 306	100.0	10.00	10.00	1:1	1:1	1:1
NO. 307	150.0	10.00	10.00	1:1	1:1	1:1
NO. 308	200.0	10.00	10.00	1:1	1:1	1:1
NO. 309	250.0	10.00	10.00	1:1	1:1	1:1
NO. 310	300.0	10.00	10.00	1:1	1:1	1:1
NO. 311	350.0	10.00	10.00	1:1	1:1	1:1
NO. 312	400.0	10.00	10.00	1:1	1:1	1:1
NO. 313	450.0	10.00	10.00	1:1	1:1	1:1
NO. 314	500.0	10.00	10.00	1:1	1:1	1:1
NO. 315	550.0	10.00	10.00	1:1	1:1	1:1
NO. 316	600.0	10.00	10.00	1:1	1:1	1:1
NO. 317	650.0	10.00	10.00	1:1	1:1	1:1
NO. 318	700.0	10.00	10.00	1:1	1:1	1:1
NO. 319	750.0	10.00	10.00	1:1	1:1	1:1
NO. 320	800.0	10.00	10.00	1:1	1:1	1:1
NO. 321	850.0	10.00	10.00	1:1	1:1	1:1
NO. 322	900.0	10.00	10.00	1:1	1:1	1:1
NO. 323	950.0	10.00	10.00	1:1	1:1	1:1

1:100
1:1000



LEGEND

FIG : _____

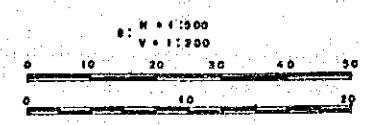
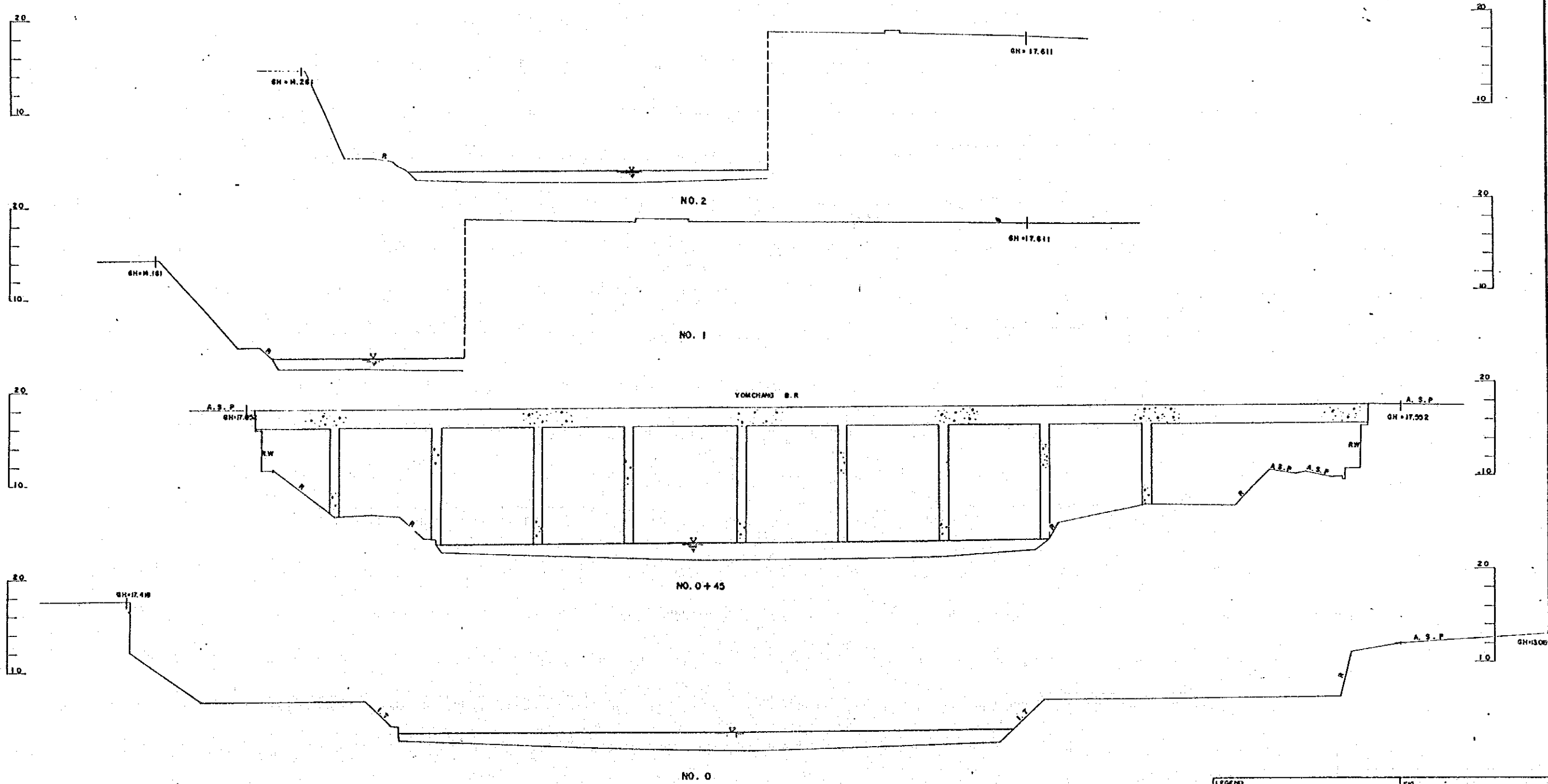
AL 20

SOURCE : JICA STUDY TEAM

SCALE : AS SHOWN

DATE OF DRAWING : 1990. 12. 31

The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity



LEGEND	FIG :
	AC I
	SOURCE : JICA STUDY TEAM
	SCALE : AS SHOWN
	DATE OF DRAWING : 1990.12.31
The Study on River Environment Improvement for The Tributaries of Han River System in Seoul Municipality and Its Vicinity	