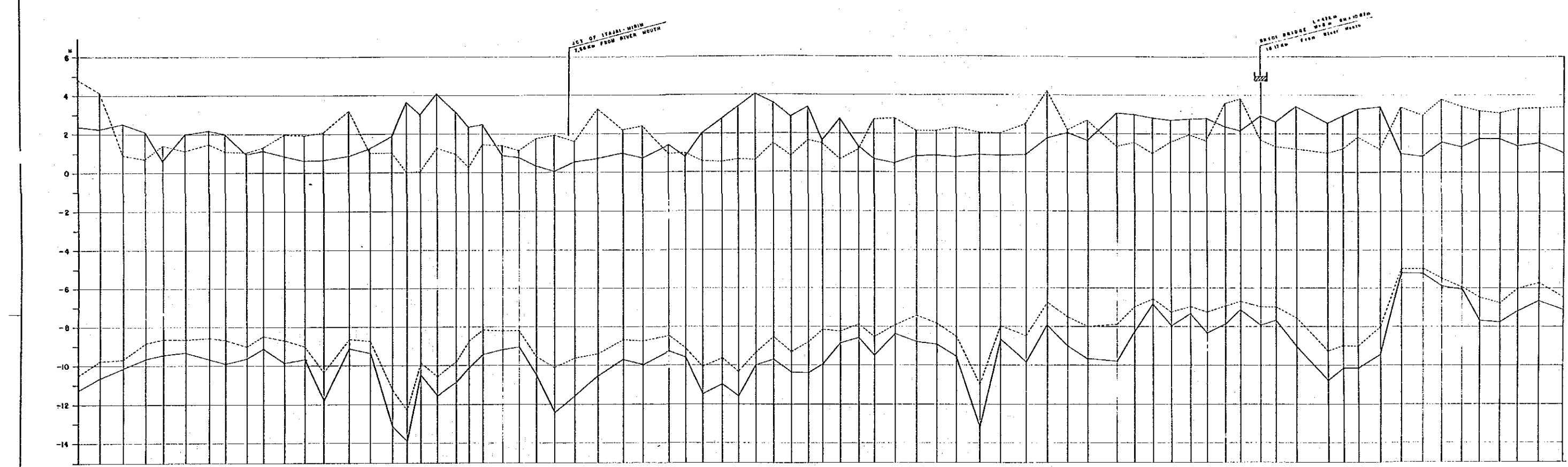


A.3 River Profile and Cross Sections along the Objective Stretches

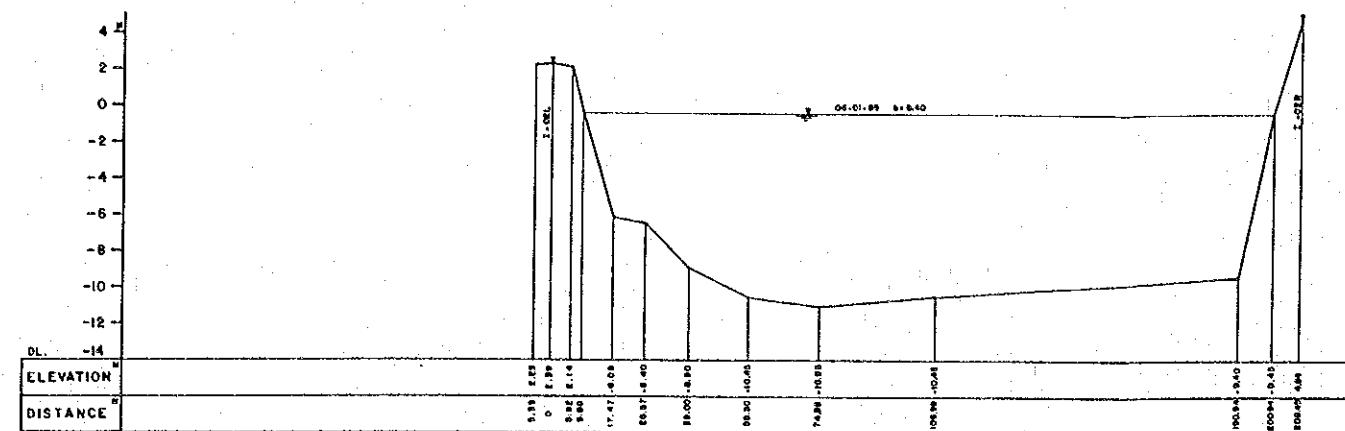
A.3.1 Itajai river

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN		
PROFILE OF THE ITAJAI - AÇU		
SHEET NO.	W.M.R.M.	
SURVEYED DATE	1989.1	
JAPAN INTERNATIONAL COOPERATION AGENCY		

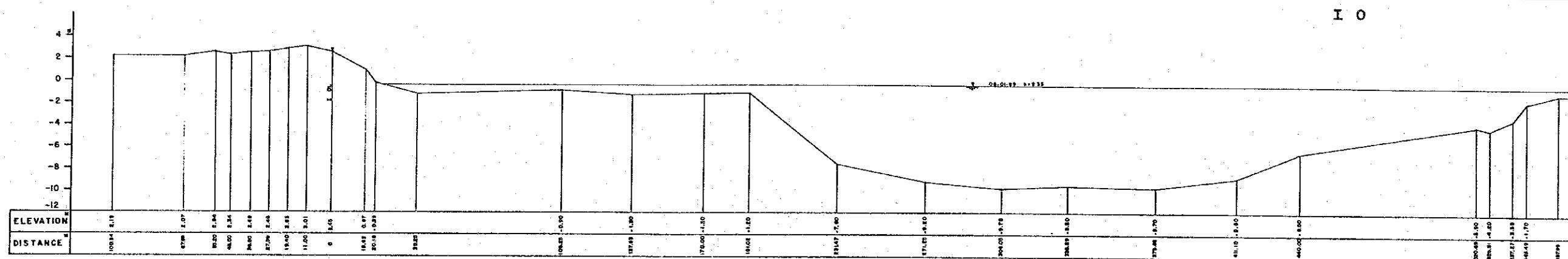


RIGHT BANK G.H.	LEFT BANK G.H.	LOWEST RIVER BED G.H.	AVERAGE RIVER BED G.H.	DISTANCE FROM RIVER MOUTH	SINGLE DISTANCE	RIVER WIDTH	NO OF CROSS SECTION
2.02	2.02	2.02	2.02	0.45	0.45	2.02	2.02
2.03	2.03	2.03	2.03	0.46	0.46	2.03	2.03
2.04	2.04	2.04	2.04	0.47	0.47	2.04	2.04
2.05	2.05	2.05	2.05	0.48	0.48	2.05	2.05
2.06	2.06	2.06	2.06	0.49	0.49	2.06	2.06
2.07	2.07	2.07	2.07	0.50	0.50	2.07	2.07
2.08	2.08	2.08	2.08	0.51	0.51	2.08	2.08
2.09	2.09	2.09	2.09	0.52	0.52	2.09	2.09
2.10	2.10	2.10	2.10	0.53	0.53	2.10	2.10
2.11	2.11	2.11	2.11	0.54	0.54	2.11	2.11
2.12	2.12	2.12	2.12	0.55	0.55	2.12	2.12
2.13	2.13	2.13	2.13	0.56	0.56	2.13	2.13
2.14	2.14	2.14	2.14	0.57	0.57	2.14	2.14
2.15	2.15	2.15	2.15	0.58	0.58	2.15	2.15
2.16	2.16	2.16	2.16	0.59	0.59	2.16	2.16
2.17	2.17	2.17	2.17	0.60	0.60	2.17	2.17
2.18	2.18	2.18	2.18	0.61	0.61	2.18	2.18
2.19	2.19	2.19	2.19	0.62	0.62	2.19	2.19
2.20	2.20	2.20	2.20	0.63	0.63	2.20	2.20
2.21	2.21	2.21	2.21	0.64	0.64	2.21	2.21
2.22	2.22	2.22	2.22	0.65	0.65	2.22	2.22
2.23	2.23	2.23	2.23	0.66	0.66	2.23	2.23
2.24	2.24	2.24	2.24	0.67	0.67	2.24	2.24
2.25	2.25	2.25	2.25	0.68	0.68	2.25	2.25
2.26	2.26	2.26	2.26	0.69	0.69	2.26	2.26
2.27	2.27	2.27	2.27	0.70	0.70	2.27	2.27
2.28	2.28	2.28	2.28	0.71	0.71	2.28	2.28
2.29	2.29	2.29	2.29	0.72	0.72	2.29	2.29
2.30	2.30	2.30	2.30	0.73	0.73	2.30	2.30
2.31	2.31	2.31	2.31	0.74	0.74	2.31	2.31
2.32	2.32	2.32	2.32	0.75	0.75	2.32	2.32
2.33	2.33	2.33	2.33	0.76	0.76	2.33	2.33
2.34	2.34	2.34	2.34	0.77	0.77	2.34	2.34
2.35	2.35	2.35	2.35	0.78	0.78	2.35	2.35
2.36	2.36	2.36	2.36	0.79	0.79	2.36	2.36
2.37	2.37	2.37	2.37	0.80	0.80	2.37	2.37
2.38	2.38	2.38	2.38	0.81	0.81	2.38	2.38
2.39	2.39	2.39	2.39	0.82	0.82	2.39	2.39
2.40	2.40	2.40	2.40	0.83	0.83	2.40	2.40
2.41	2.41	2.41	2.41	0.84	0.84	2.41	2.41
2.42	2.42	2.42	2.42	0.85	0.85	2.42	2.42
2.43	2.43	2.43	2.43	0.86	0.86	2.43	2.43
2.44	2.44	2.44	2.44	0.87	0.87	2.44	2.44
2.45	2.45	2.45	2.45	0.88	0.88	2.45	2.45
2.46	2.46	2.46	2.46	0.89	0.89	2.46	2.46
2.47	2.47	2.47	2.47	0.90	0.90	2.47	2.47
2.48	2.48	2.48	2.48	0.91	0.91	2.48	2.48
2.49	2.49	2.49	2.49	0.92	0.92	2.49	2.49
2.50	2.50	2.50	2.50	0.93	0.93	2.50	2.50
2.51	2.51	2.51	2.51	0.94	0.94	2.51	2.51
2.52	2.52	2.52	2.52	0.95	0.95	2.52	2.52
2.53	2.53	2.53	2.53	0.96	0.96	2.53	2.53
2.54	2.54	2.54	2.54	0.97	0.97	2.54	2.54
2.55	2.55	2.55	2.55	0.98	0.98	2.55	2.55
2.56	2.56	2.56	2.56	0.99	0.99	2.56	2.56
2.57	2.57	2.57	2.57	1.00	1.00	2.57	2.57
2.58	2.58	2.58	2.58	1.01	1.01	2.58	2.58
2.59	2.59	2.59	2.59	1.02	1.02	2.59	2.59
2.60	2.60	2.60	2.60	1.03	1.03	2.60	2.60
2.61	2.61	2.61	2.61	1.04	1.04	2.61	2.61
2.62	2.62	2.62	2.62	1.05	1.05	2.62	2.62
2.63	2.63	2.63	2.63	1.06	1.06	2.63	2.63
2.64	2.64	2.64	2.64	1.07	1.07	2.64	2.64
2.65	2.65	2.65	2.65	1.08	1.08	2.65	2.65
2.66	2.66	2.66	2.66	1.09	1.09	2.66	2.66
2.67	2.67	2.67	2.67	1.10	1.10	2.67	2.67
2.68	2.68	2.68	2.68	1.11	1.11	2.68	2.68
2.69	2.69	2.69	2.69	1.12	1.12	2.69	2.69
2.70	2.70	2.70	2.70	1.13	1.13	2.70	2.70
2.71	2.71	2.71	2.71	1.14	1.14	2.71	2.71
2.72	2.72	2.72	2.72	1.15	1.15	2.72	2.72
2.73	2.73	2.73	2.73	1.16	1.16	2.73	2.73
2.74	2.74	2.74	2.74	1.17	1.17	2.74	2.74
2.75	2.75	2.75	2.75	1.18	1.18	2.75	2.75
2.76	2.76	2.76	2.76	1.19	1.19	2.76	2.76
2.77	2.77	2.77	2.77	1.20	1.20	2.77	2.77
2.78	2.78	2.78	2.78	1.21	1.21	2.78	2.78
2.79	2.79	2.79	2.79	1.22	1.22	2.79	2.79
2.80	2.80	2.80	2.80	1.23	1.23	2.80	2.80
2.81	2.81	2.81	2.81	1.24	1.24	2.81	2.81
2.82	2.82	2.82	2.82	1.25	1.25	2.82	2.82
2.83	2.83	2.83	2.83	1.26	1.26	2.83	2.83
2.84	2.84	2.84	2.84	1.27	1.27	2.84	2.84
2.85	2.85	2.85	2.85	1.28	1.28	2.85	2.85
2.86	2.86	2.86	2.86	1.29	1.29	2.86	2.86
2.87	2.87	2.87	2.87	1.30	1.30	2.87	2.87
2.88	2.88	2.88	2.88	1.31	1.31	2.88	2.88
2.89	2.89	2.89	2.89	1.32	1.32	2.89	2.89
2.90	2.90	2.90	2.90	1.33	1.33	2.90	2.90
2.91	2.91	2.91	2.91	1.34	1.34	2.91	2.91
2.92	2.92	2.92	2.92	1.35	1.35	2.92	2.92
2.93	2.93	2.93	2.93	1.36	1.36	2.93	2.93
2.94	2.94	2.94	2.94	1.37	1.37	2.94	2.94
2.95	2.9						

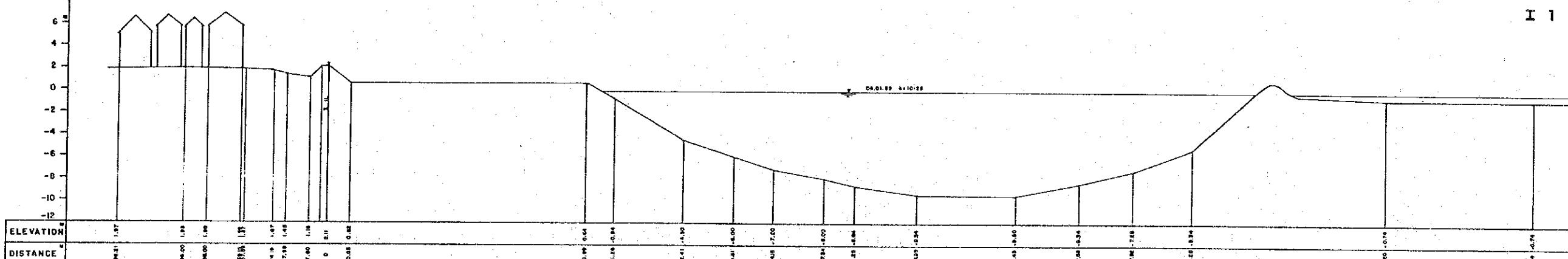
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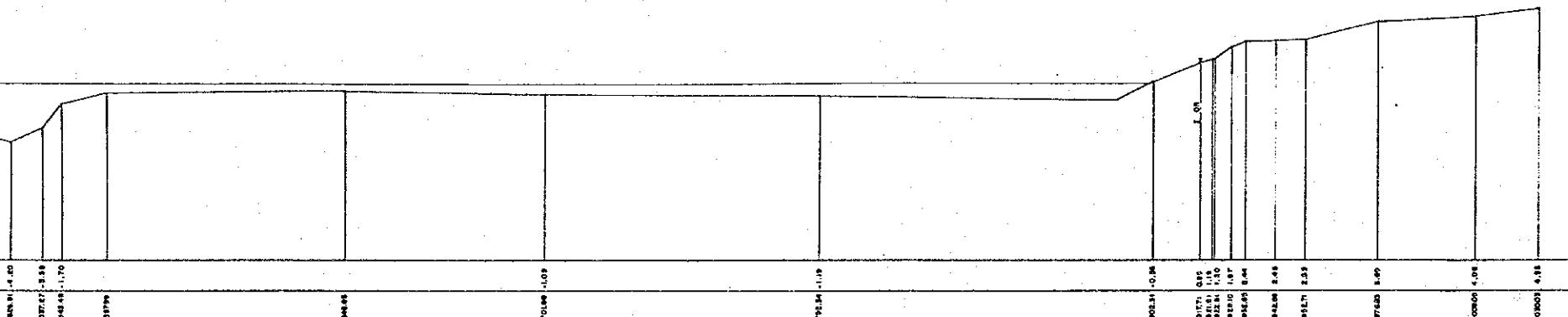
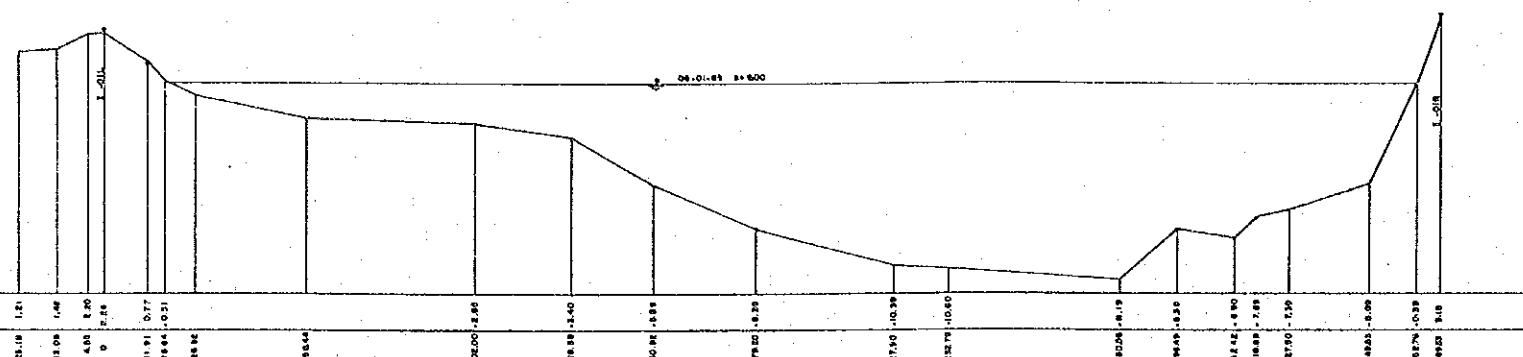
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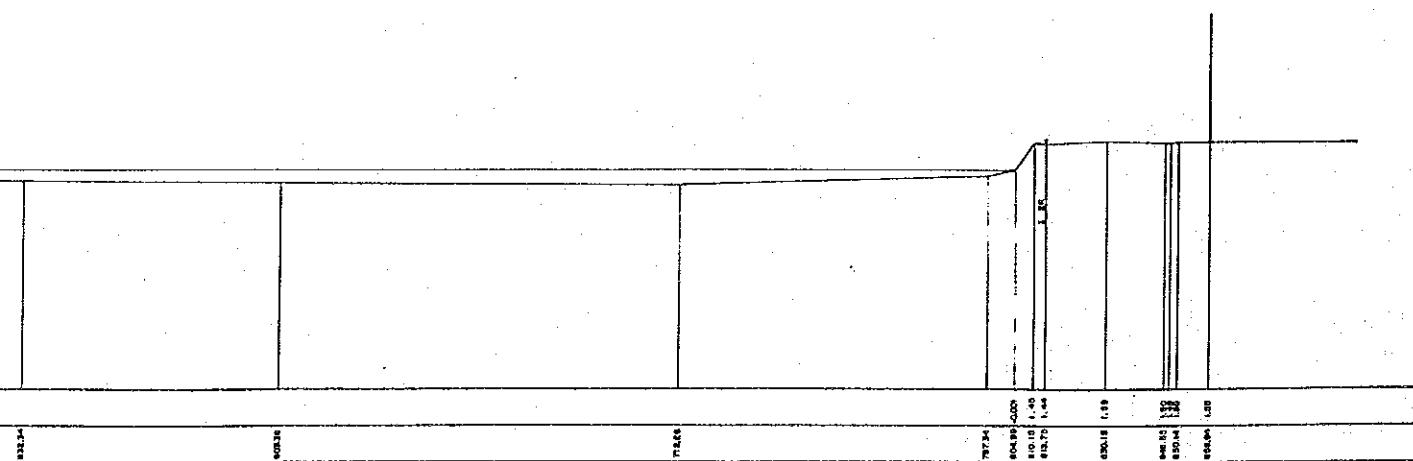
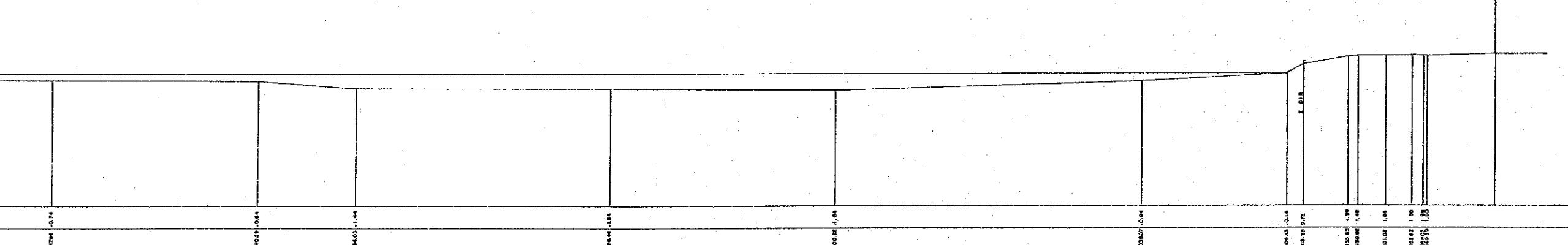
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I -01



二

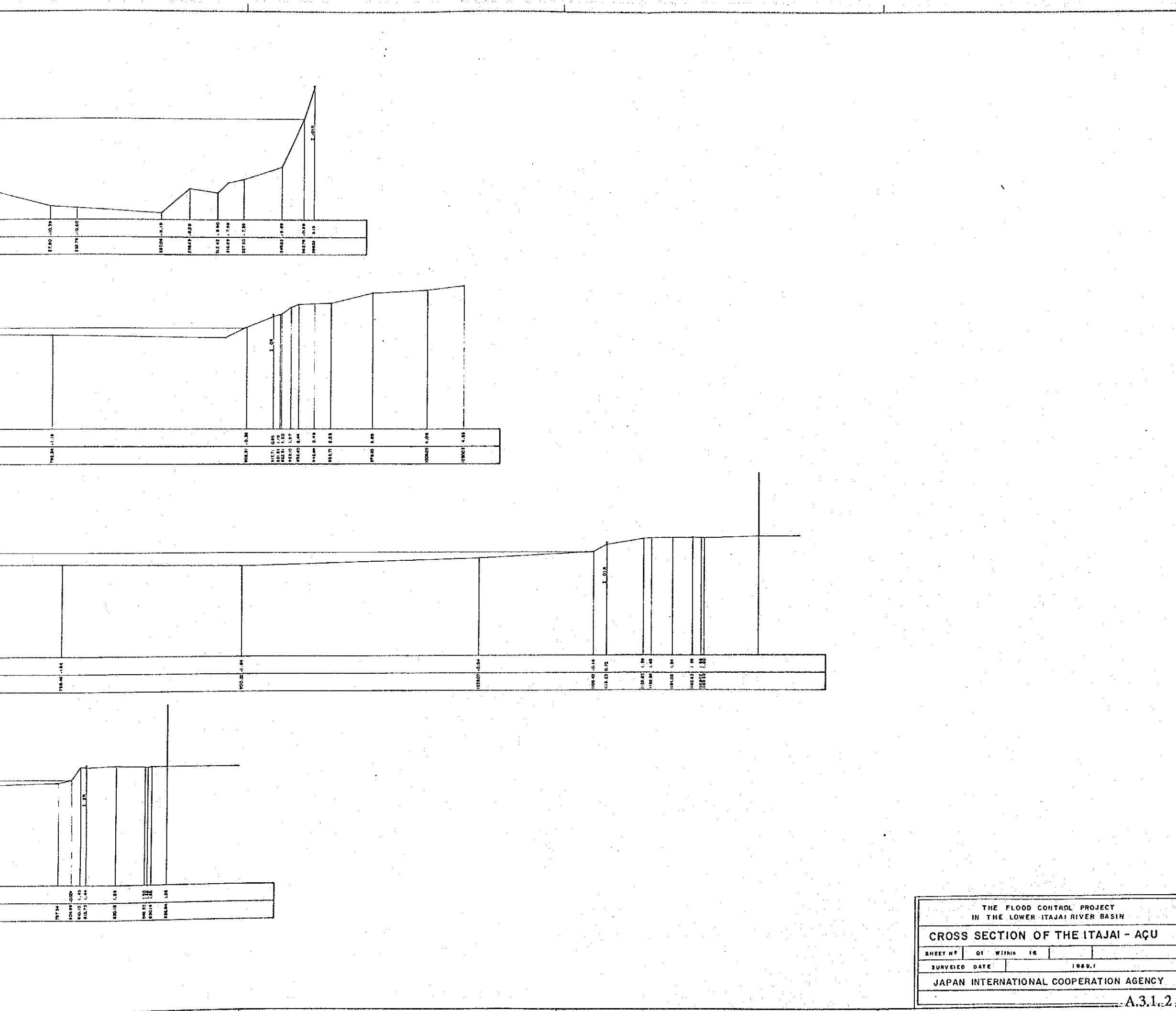


THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN

CROSS SECTION OF THE ITAJAI -

SHEET NO	01 WIIINN 16	
SURVEIED	DATE	1969.1

JAPAN INTERNATIONAL COOPERATION A



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN

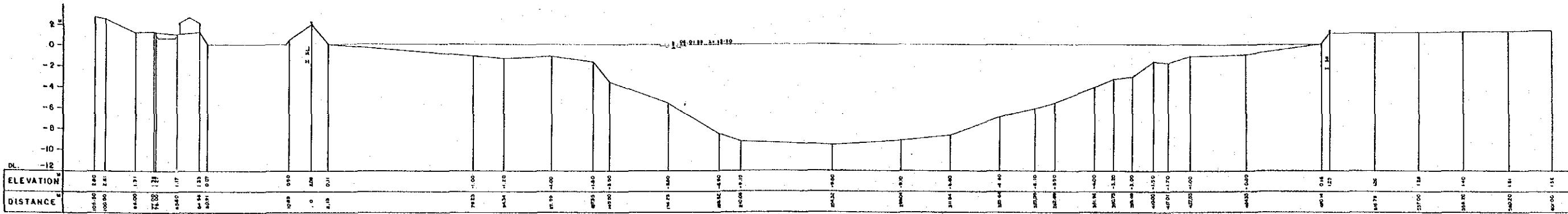
CROSS SECTION OF THE ITAJAI - AÇU

SHEET NO 01 WITHIN 16

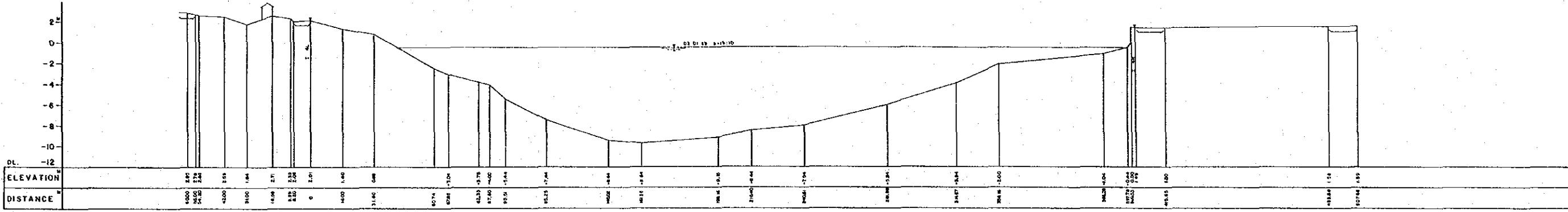
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JAPAN INTERNATIONAL COOPERATION AGENCY

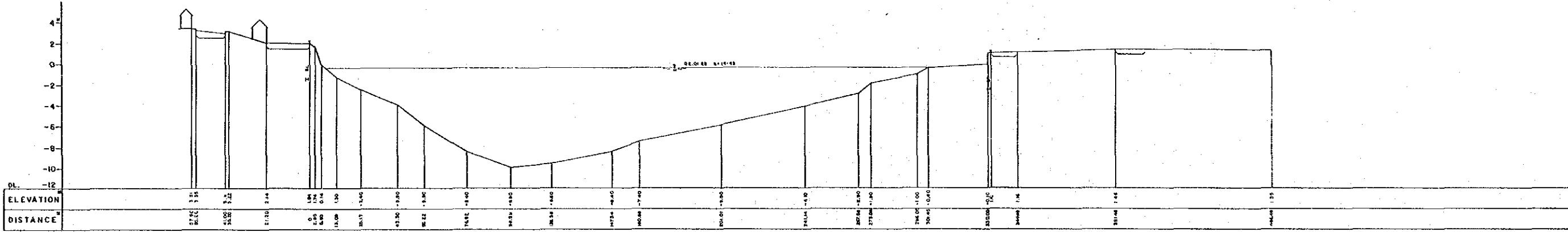
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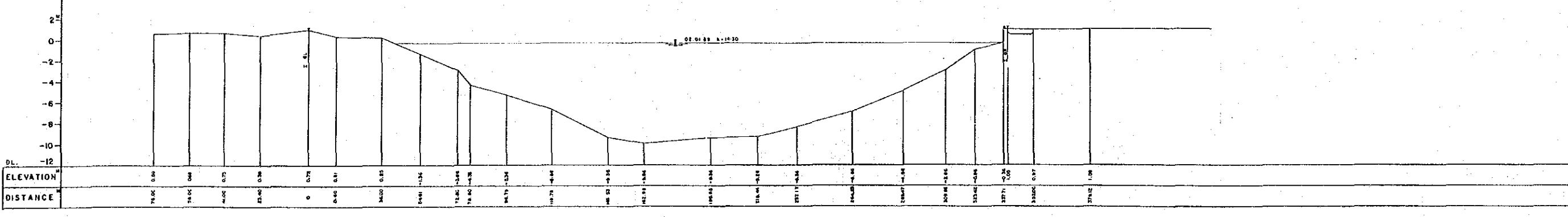
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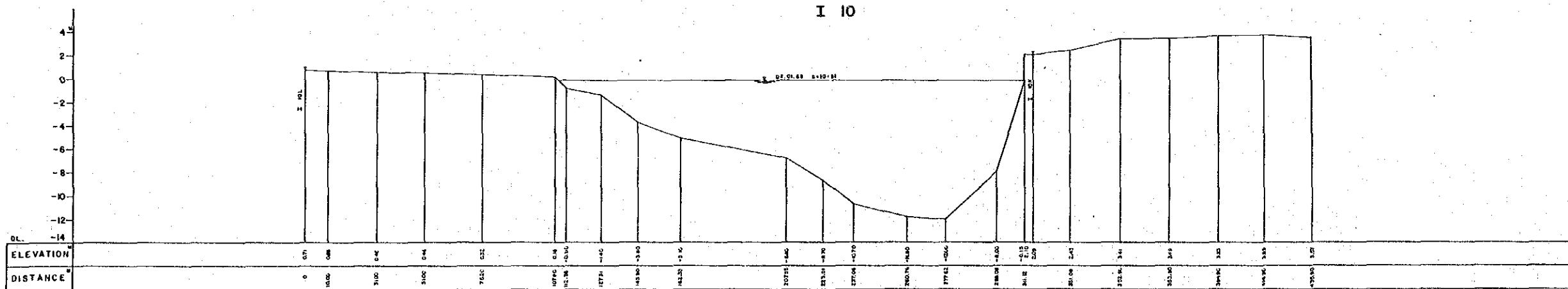
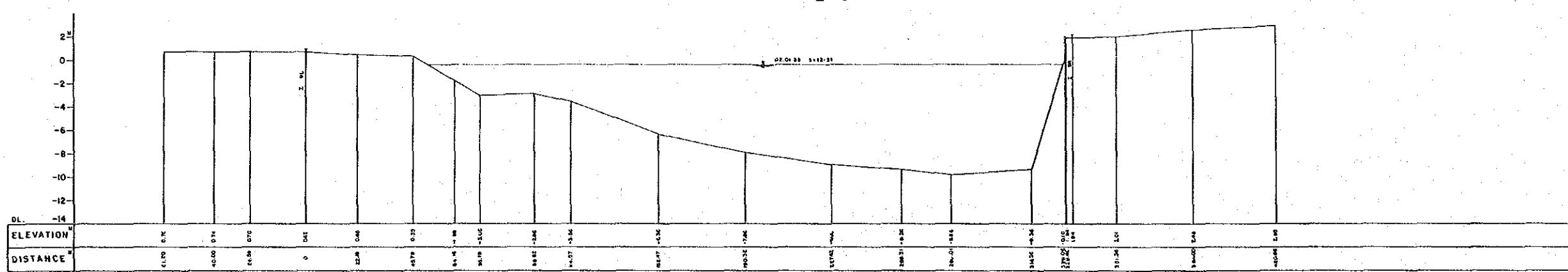
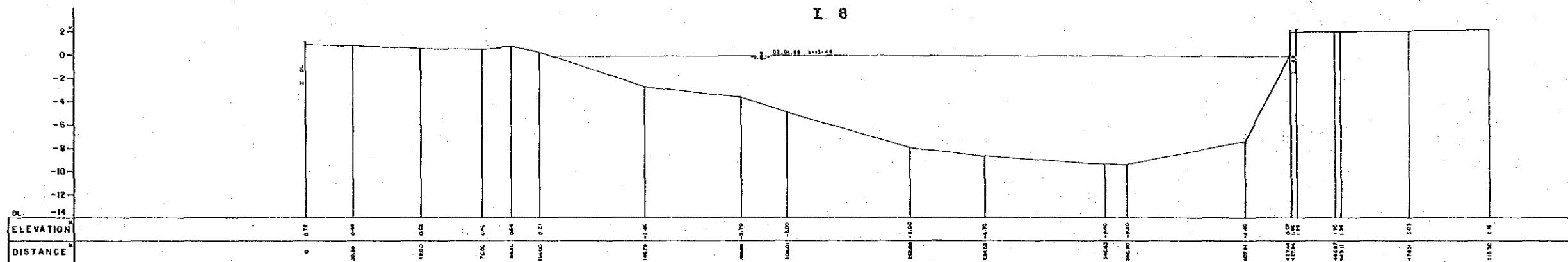
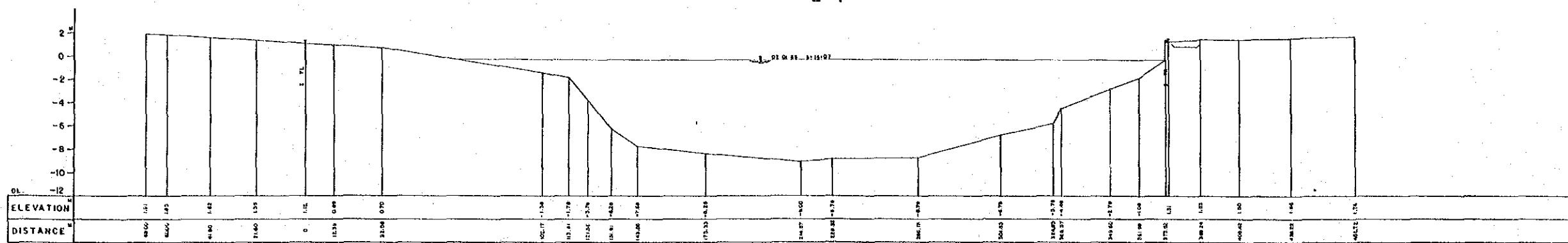
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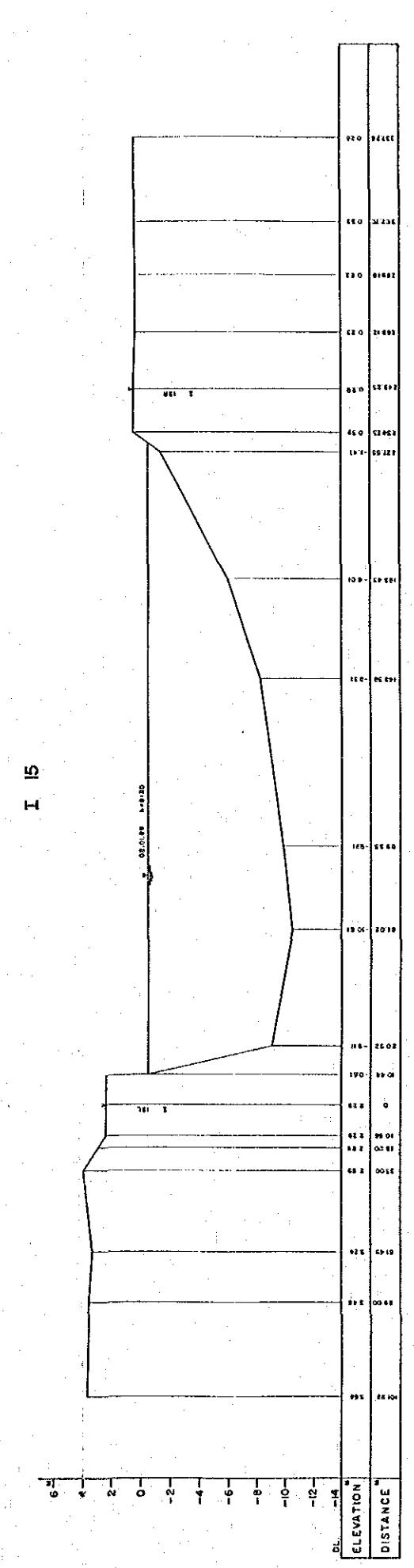
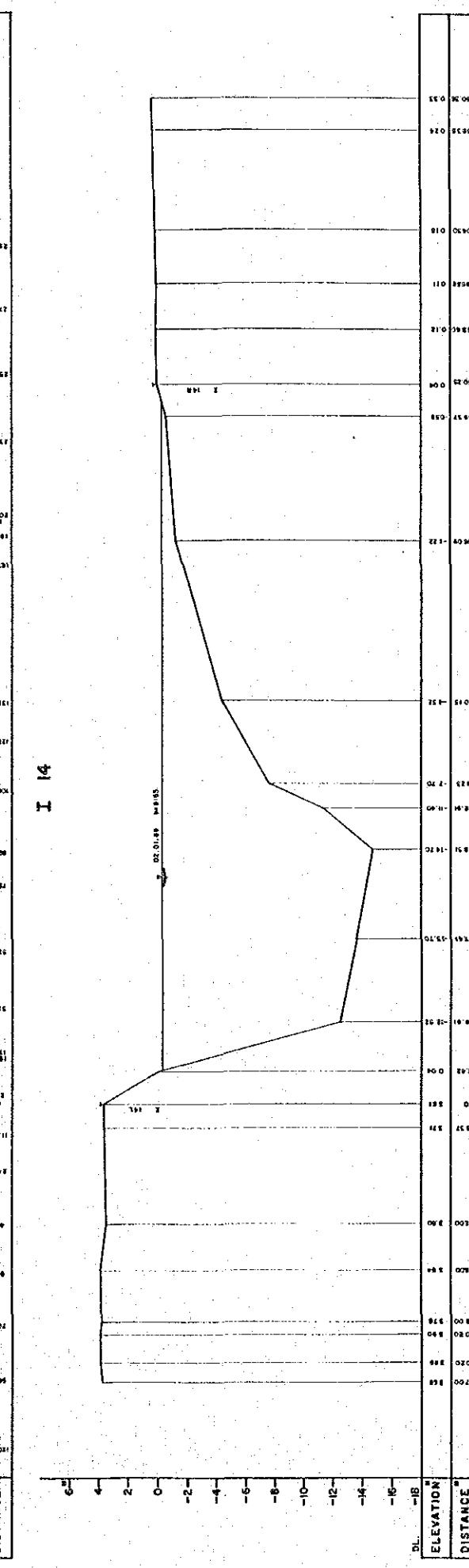
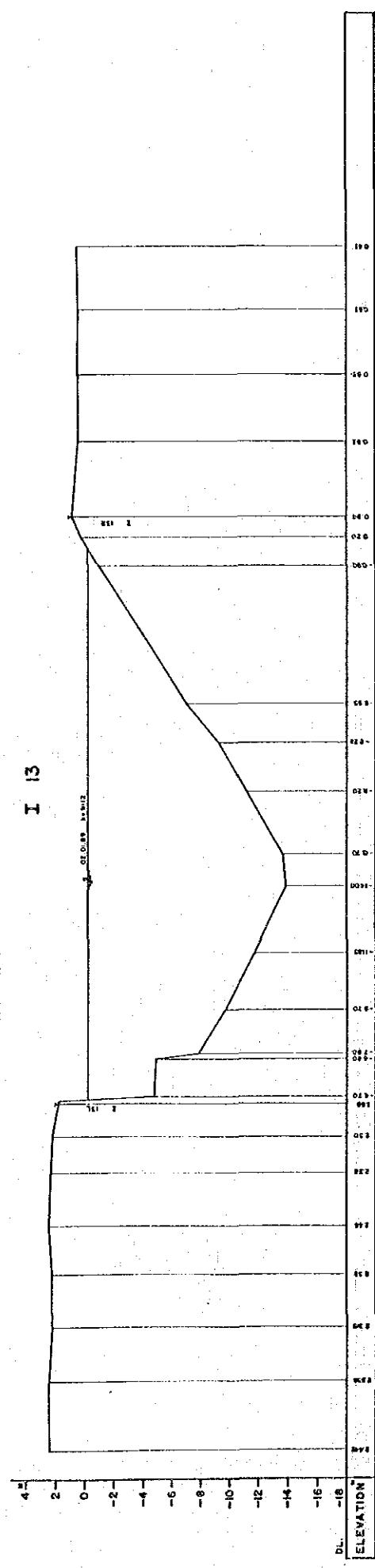
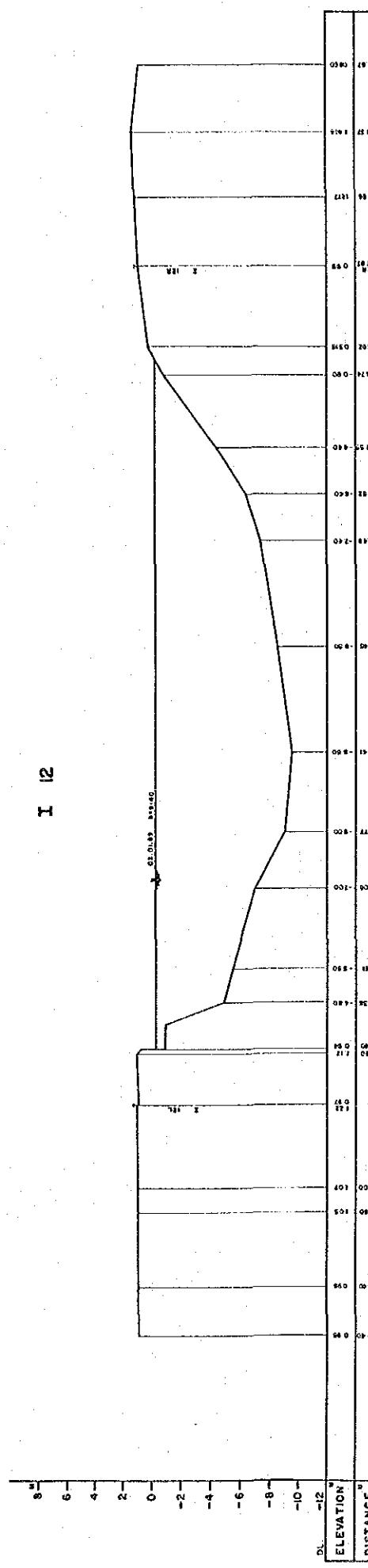
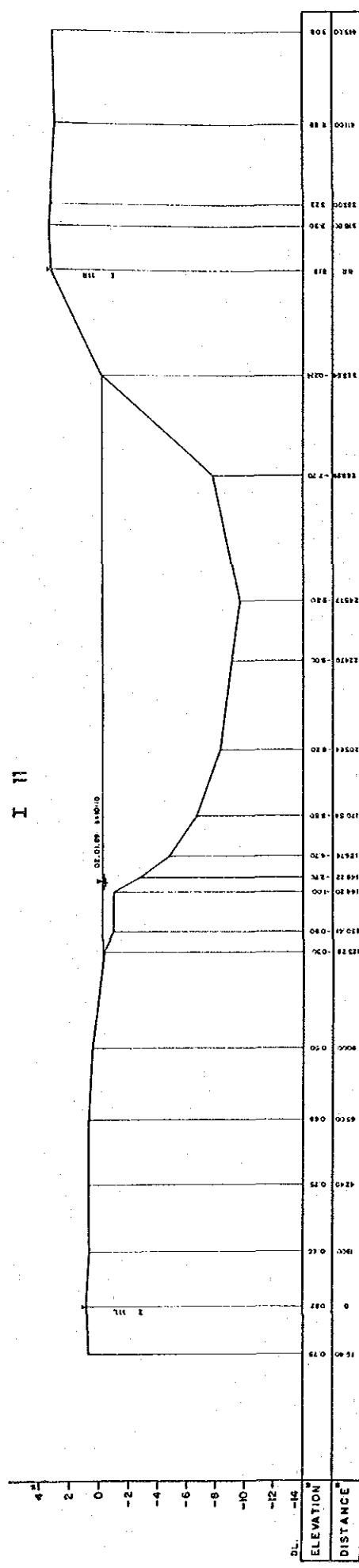
I 6



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN	
CROSS SECTION OF THE ITAJAI - ACU	
SHEET NO	2 WIHIA 16
SURVEYED DATE	1989.1
JAPAN	



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN	
CROSS SECTION OF THE ITAJAI - AÇU	
SHEET NO	03 WITHIN 16
SURVEYED DATE	F 988.1
JAPAN INTERNATIONAL COOPERATION AGENCY	
A.3.1.4	



THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN

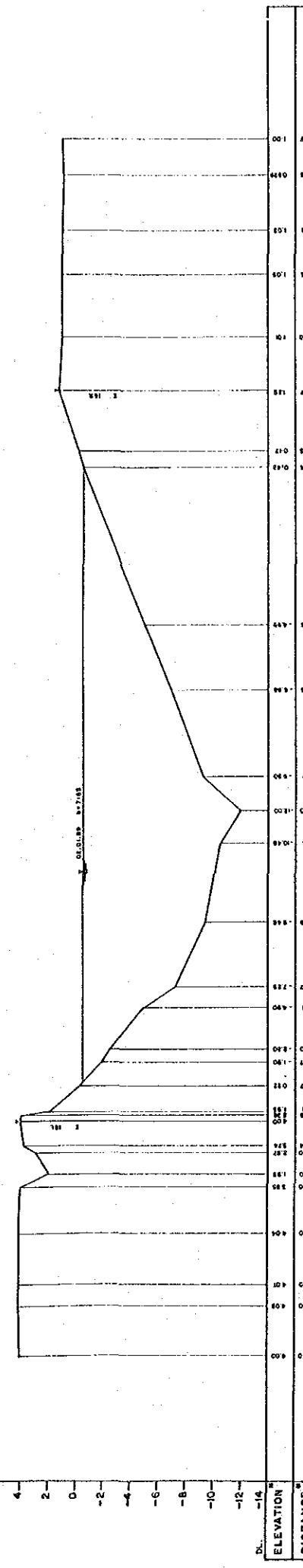
CROSS SECTION OF THE ITAJAI - ACU

SHEET NO. 04 WITHIN 16

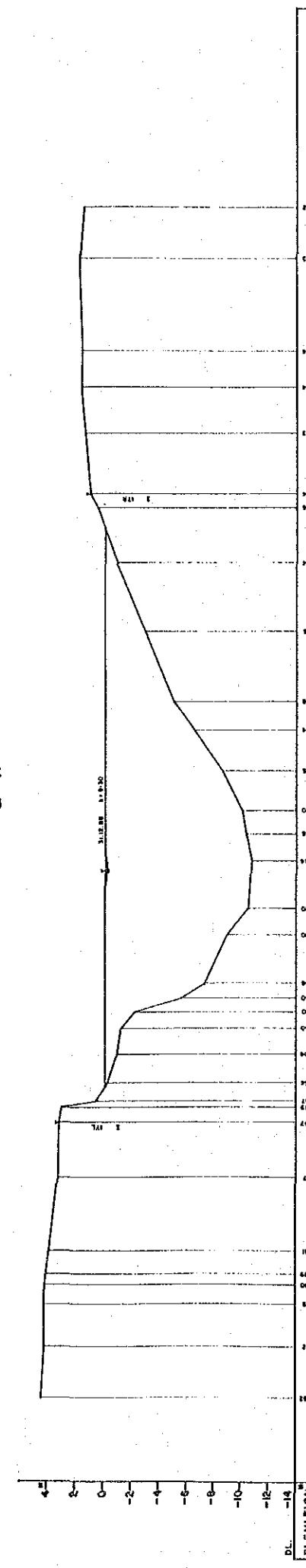
SURVEYED DATE 1989.5

JAPAN INTERNATIONAL COOPERATION AGENCY

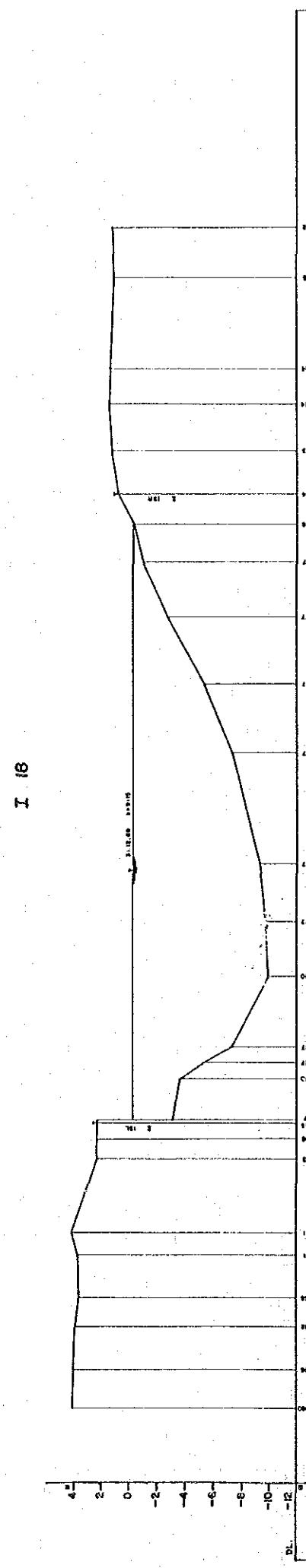
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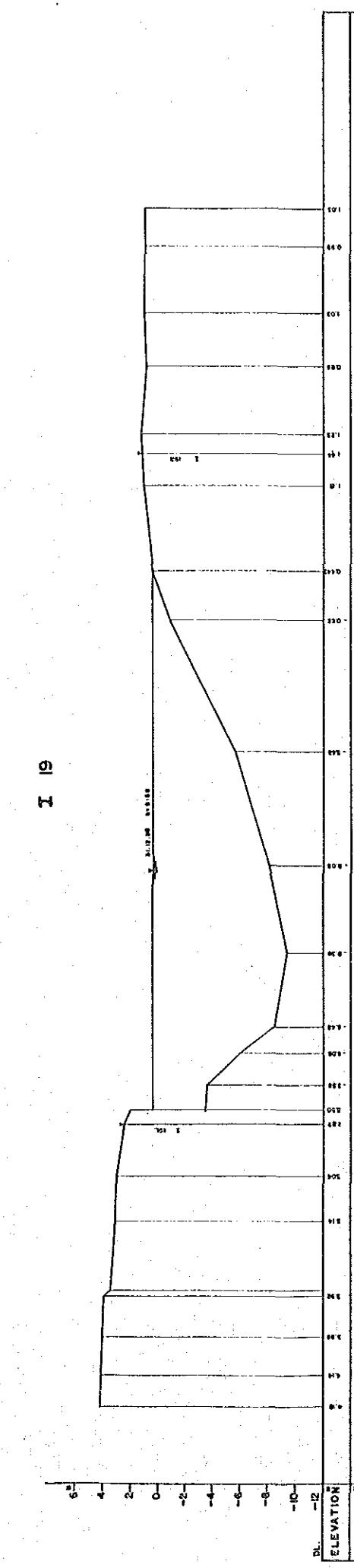
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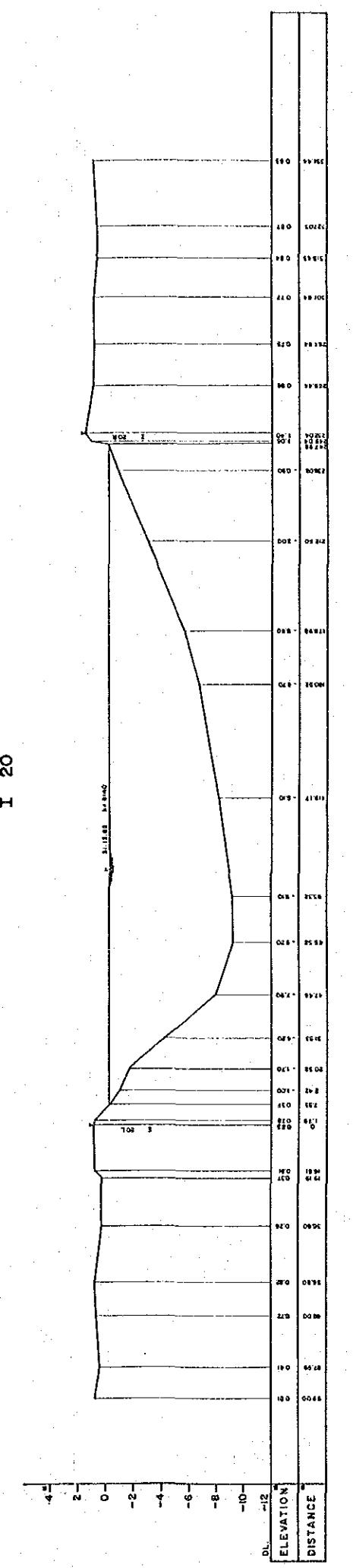
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I 19



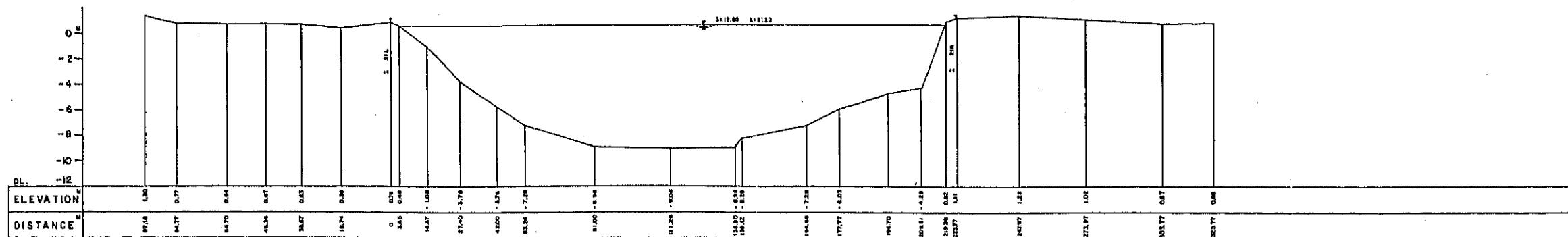
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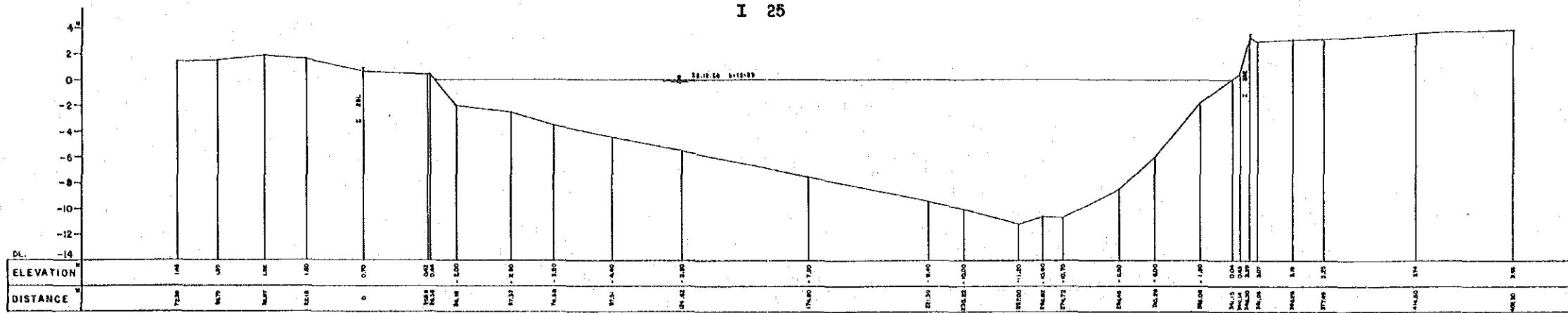
A.3.1.6

THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF THE ITAJAI - AÇU
SHEET NO. 05 WITHIN 16
SURVEYED DATE 1990.1
JAPAN INTERNATIONAL COOPERATION AGENCY

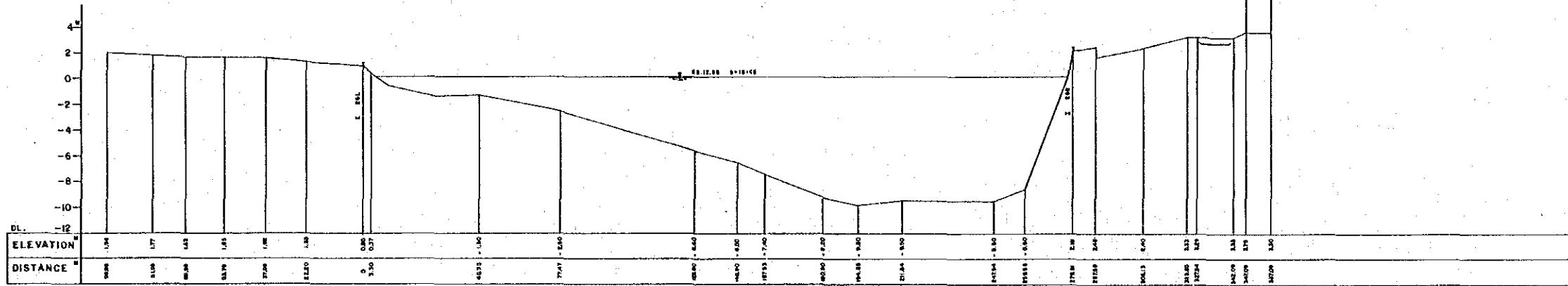
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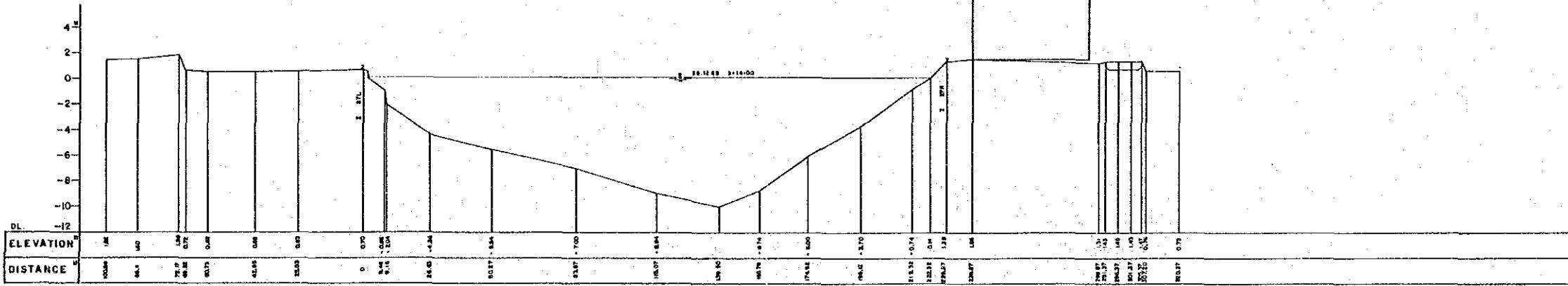
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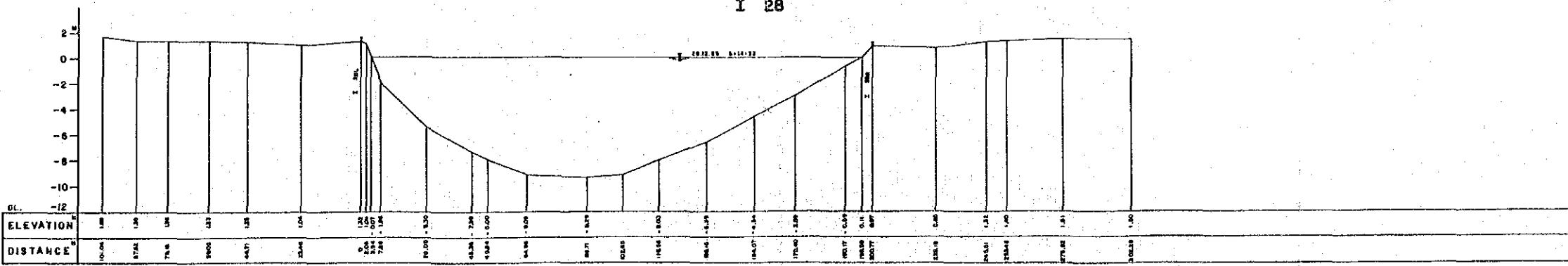
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I 27



I 28



THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN

CROSS SECTION OF THE ITAJAI - ACU

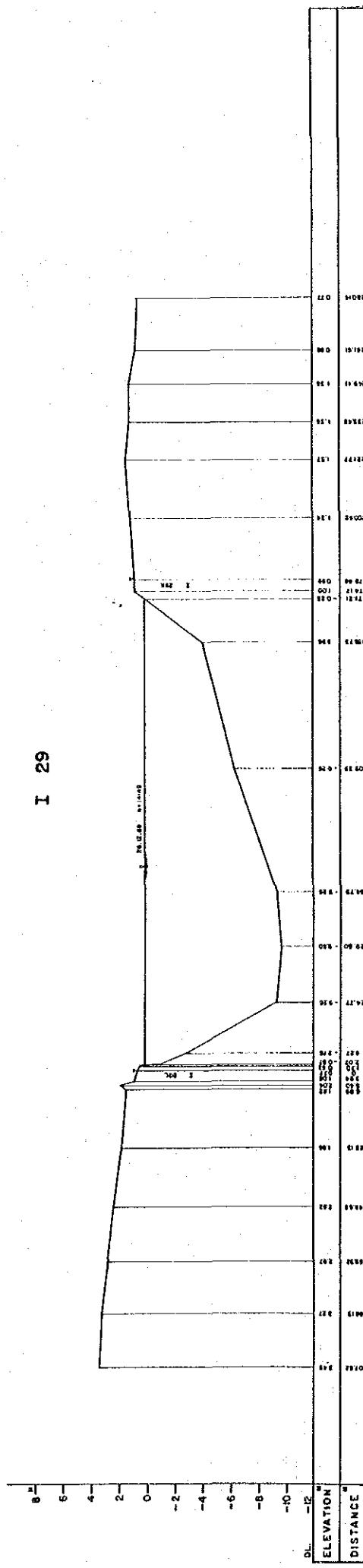
SHEET NO. 07 WITNA 16

SURVEYED DATE 1989.1

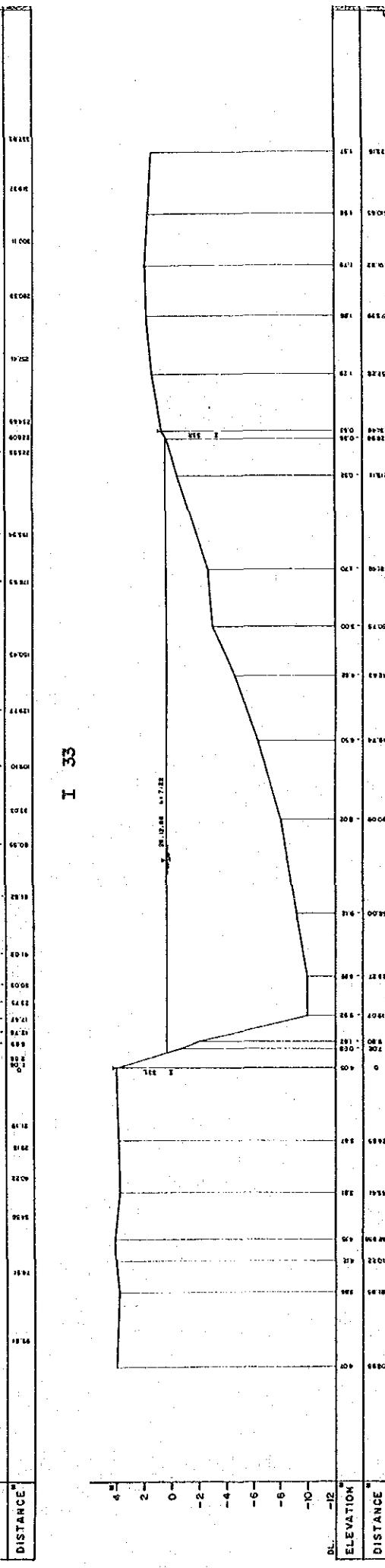
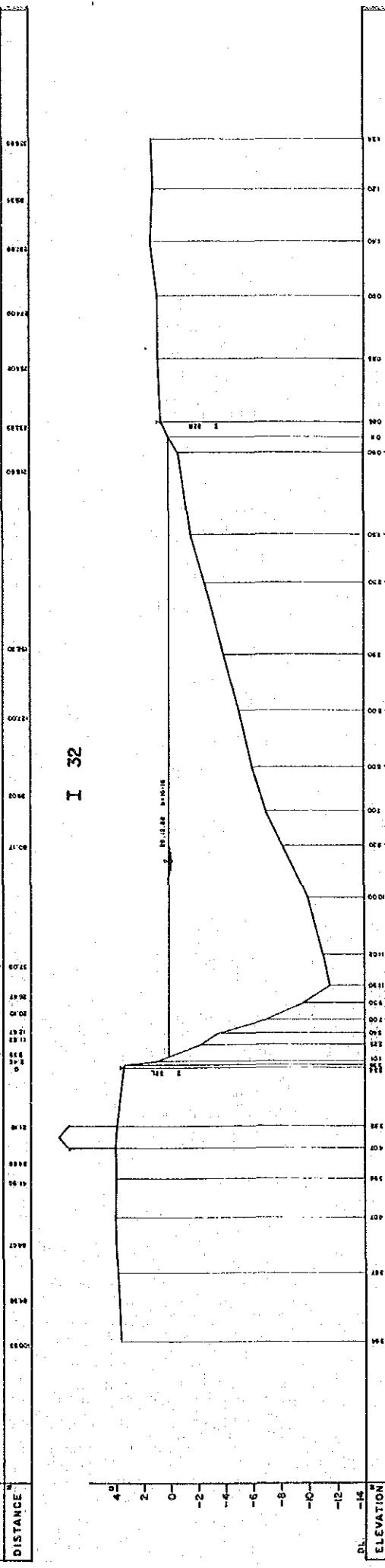
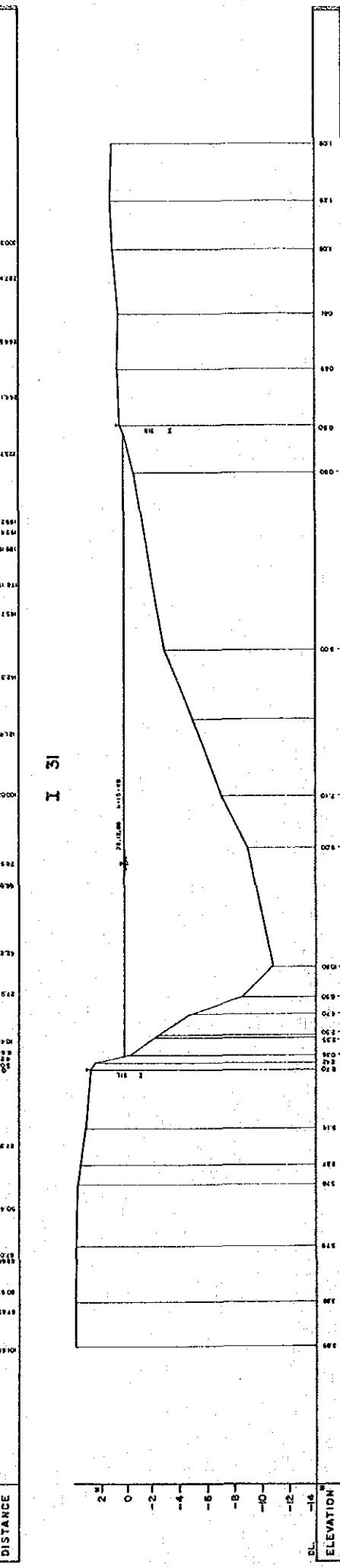
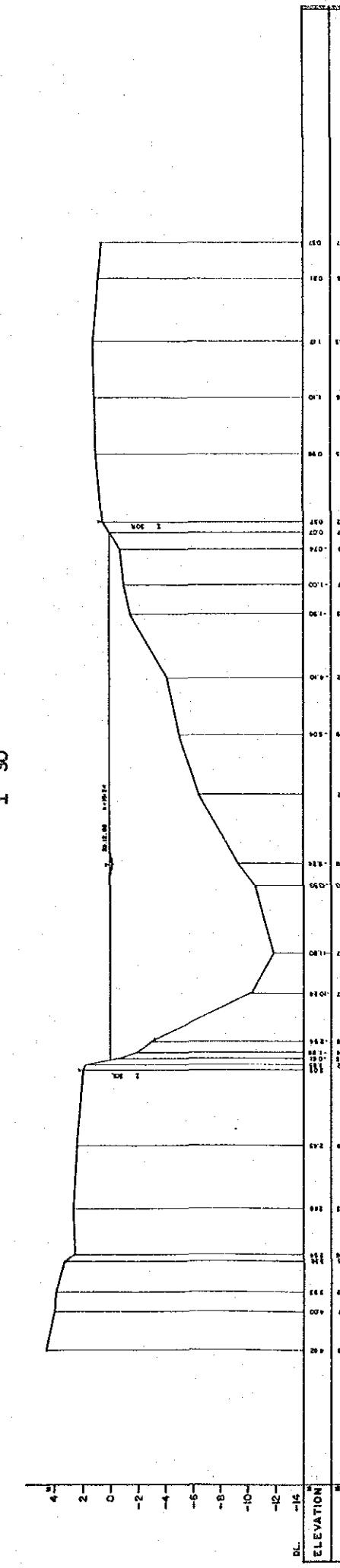
JAPAN INTERNATIONAL COOPERATION AGENCY

A.3.1.8

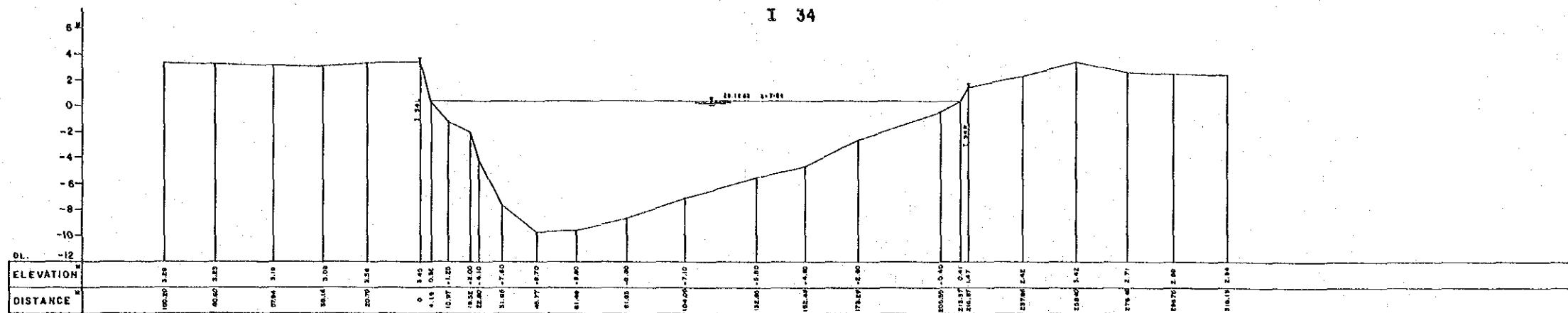
I 29



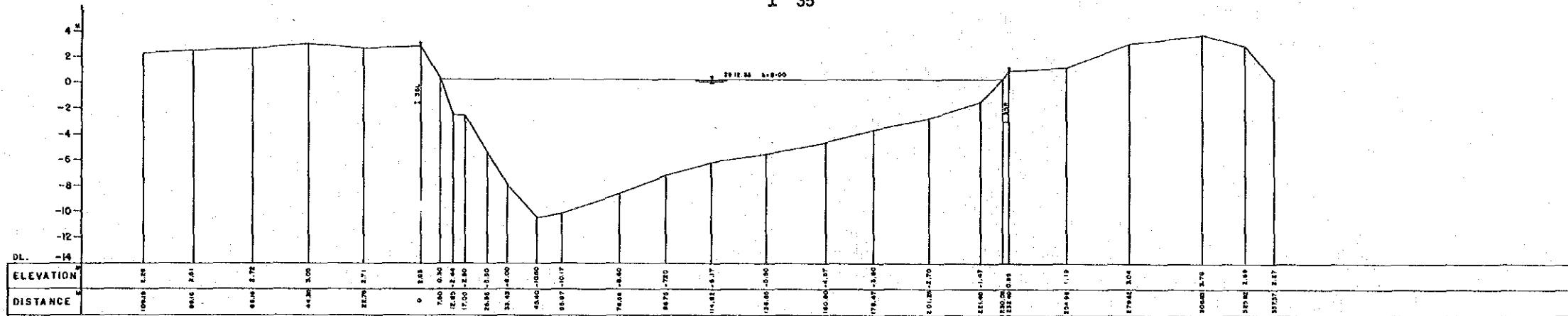
I 30



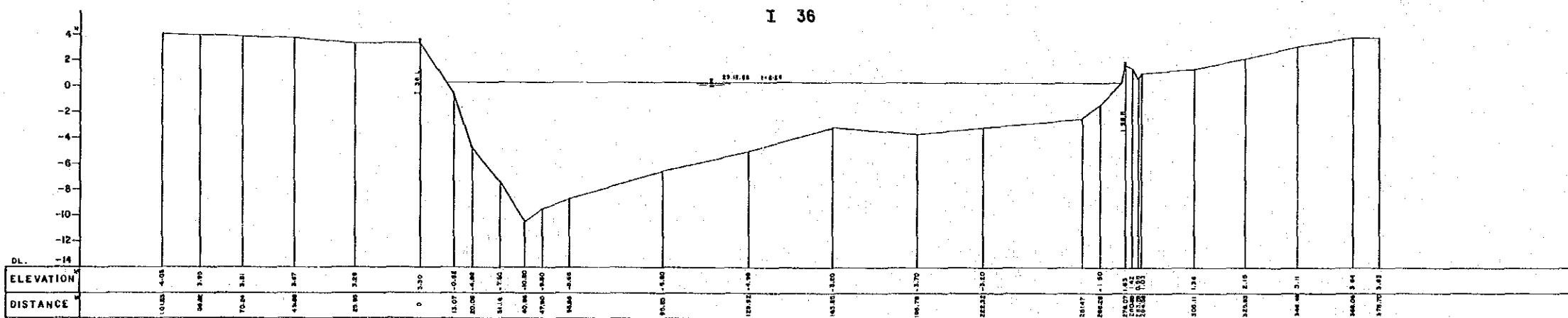
THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF THE ITAJAI - AÇU
SHEET NO. 08 WITHIN 16
SURVEYED DATE 1989-1
JAPAN INTERNATIONAL COOPERATION AGENCY



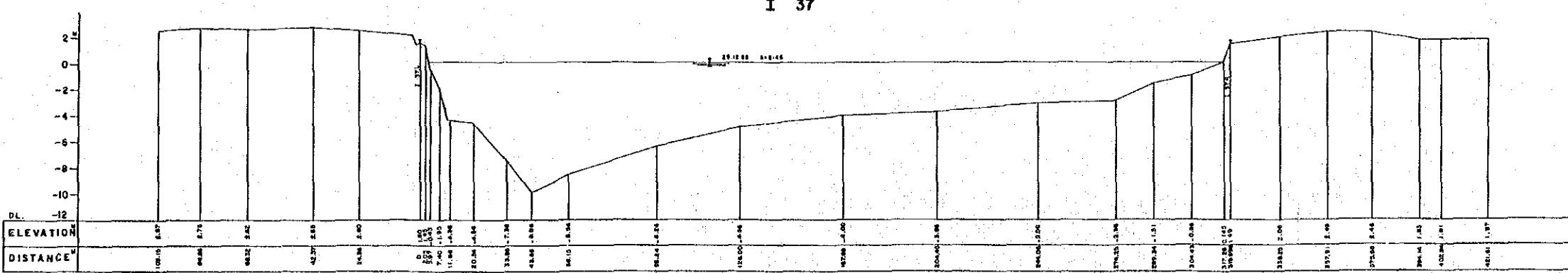
I 35



I 36



I 37



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN

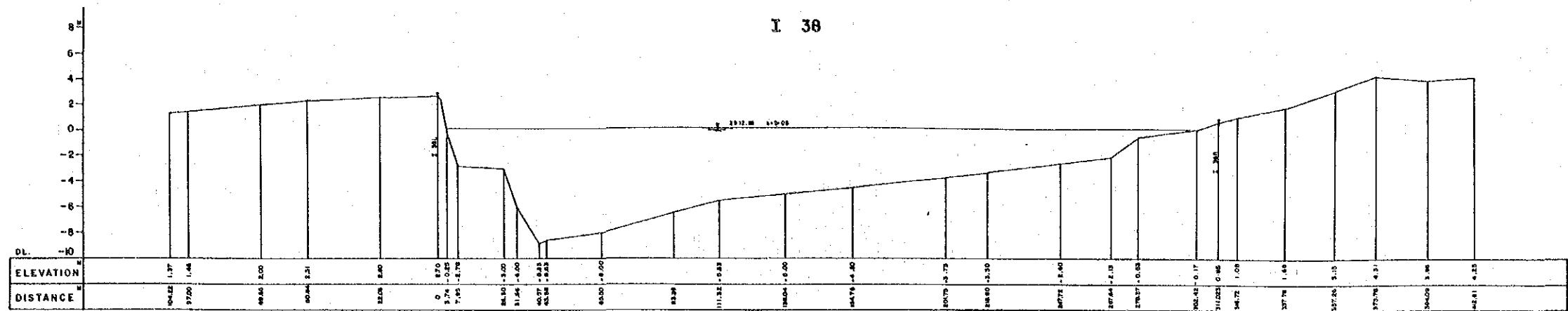
CROSS SECTION OF THE ITAJAI - ACU

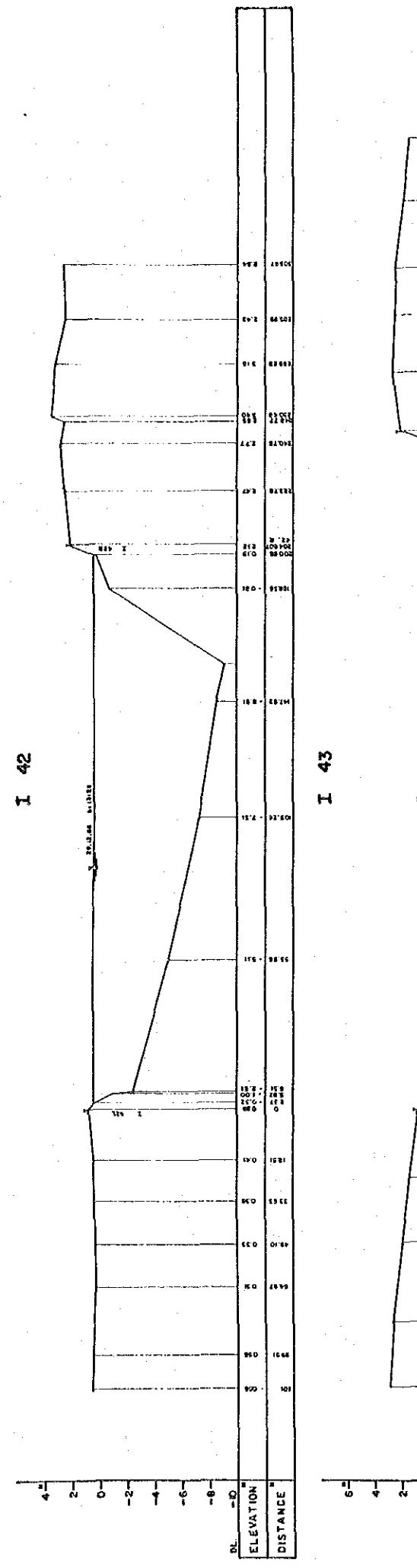
ET NR 08 Within 16

REVIEWED - DATE 1989.1

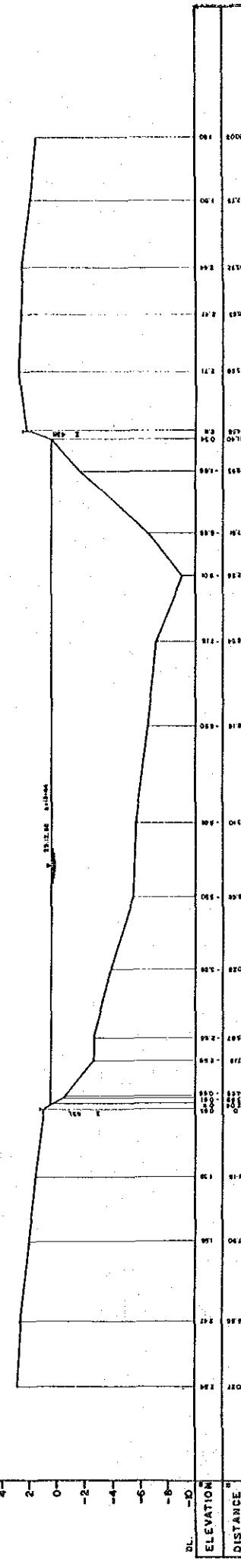
JAPAN INTERNATIONAL COOPERATION AGENCY

I 38

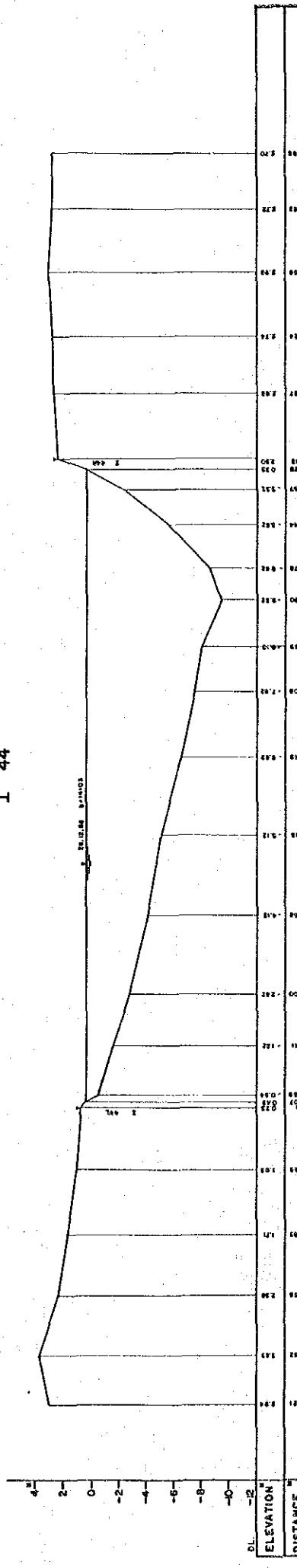




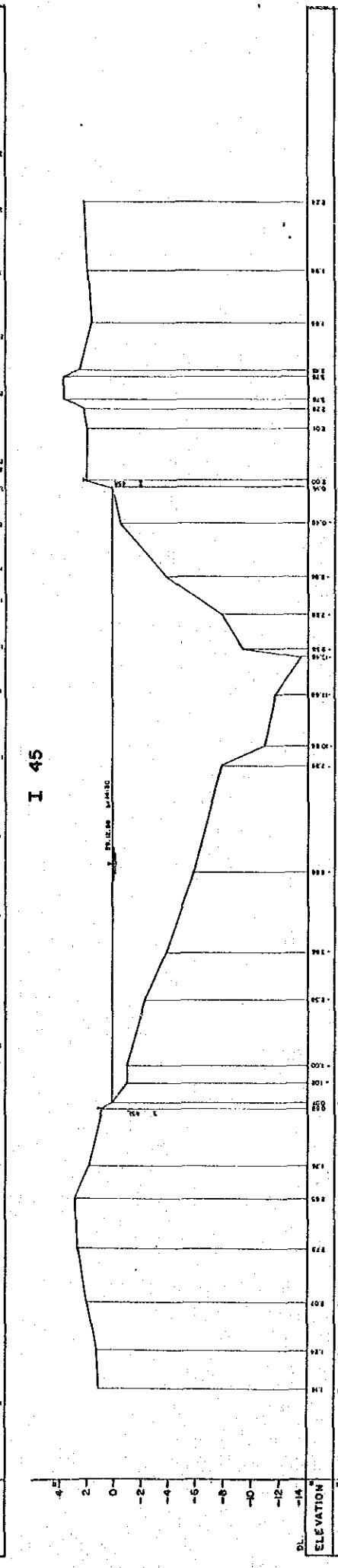
43



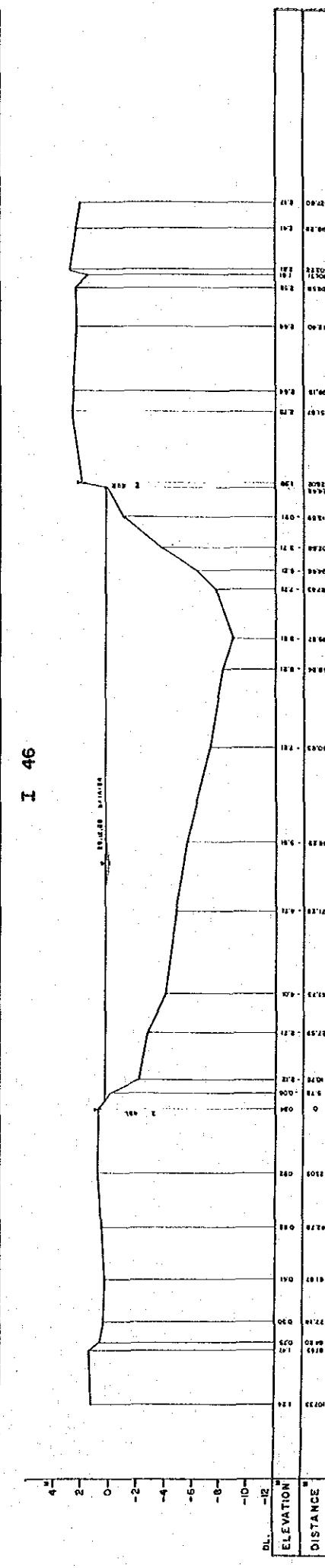
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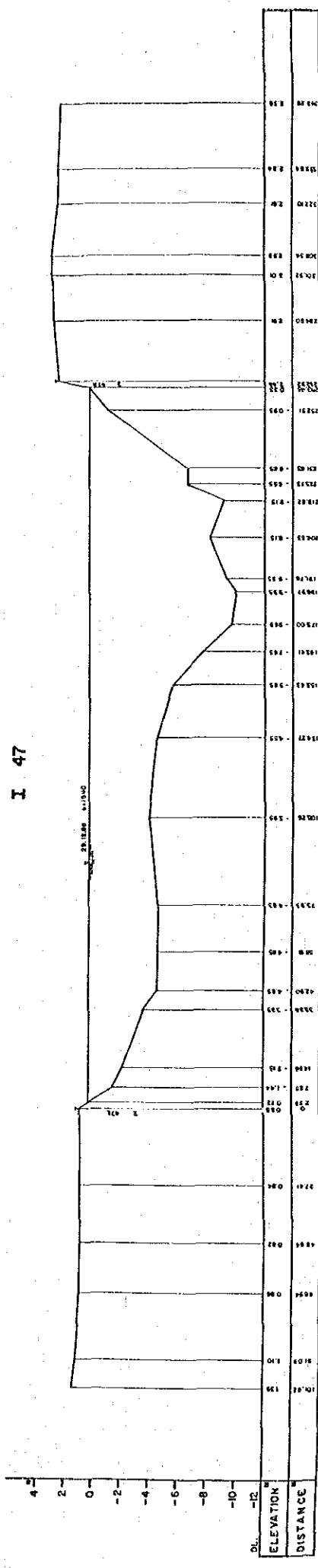
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10% - 48.00

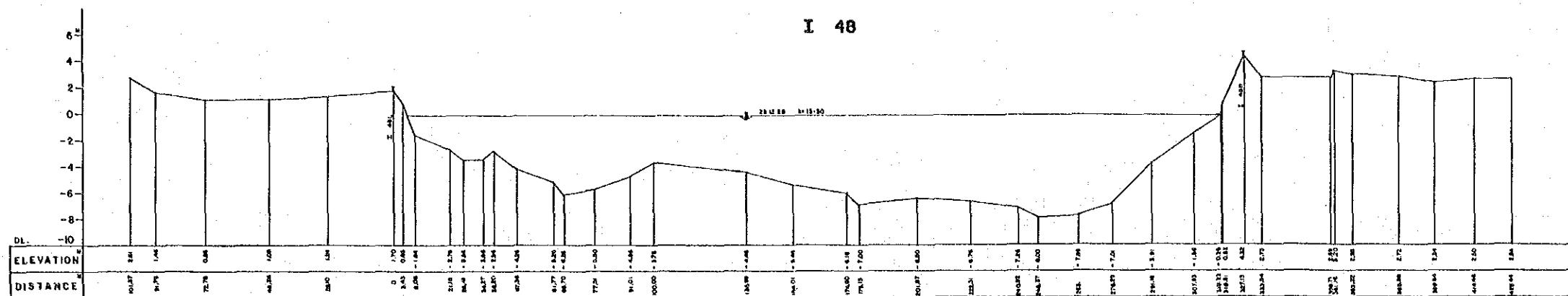


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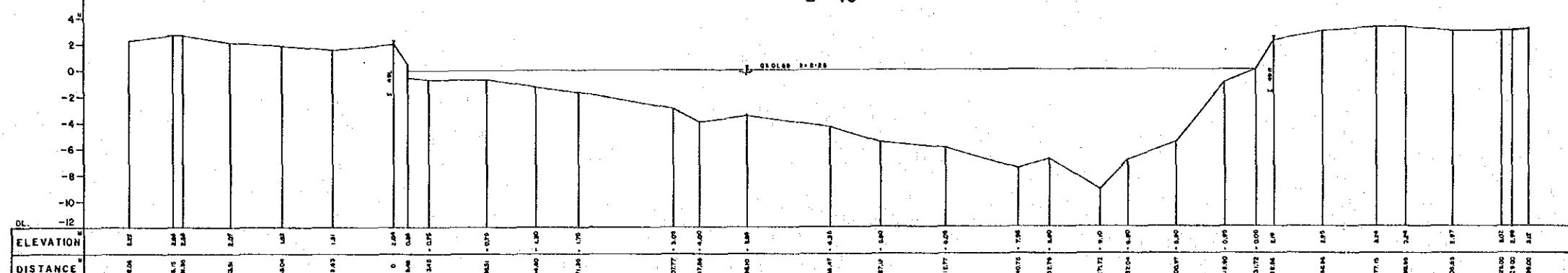


THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF THE ITAJAI - ACU

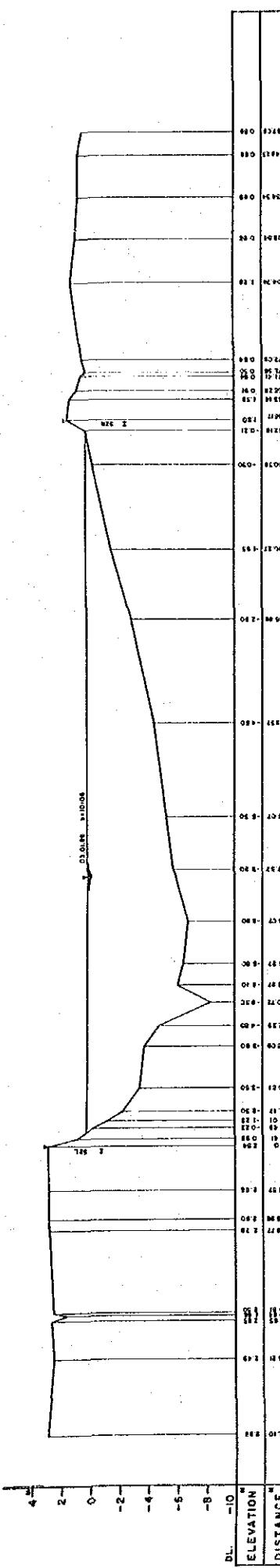
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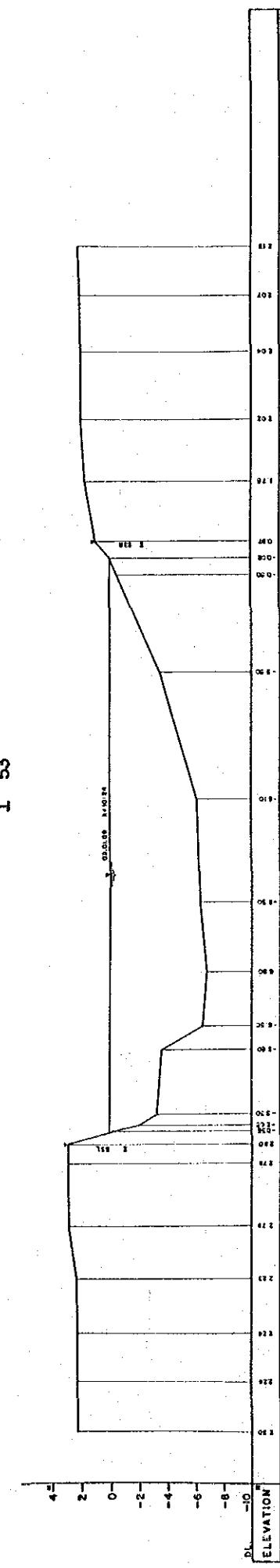
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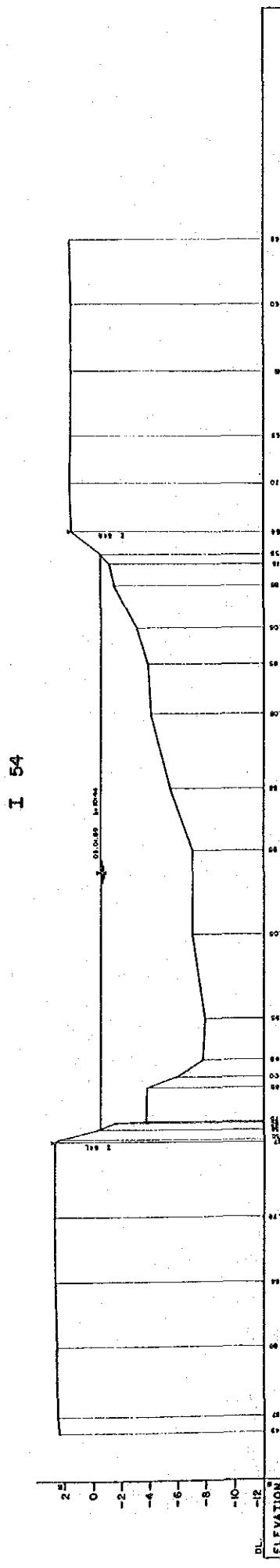
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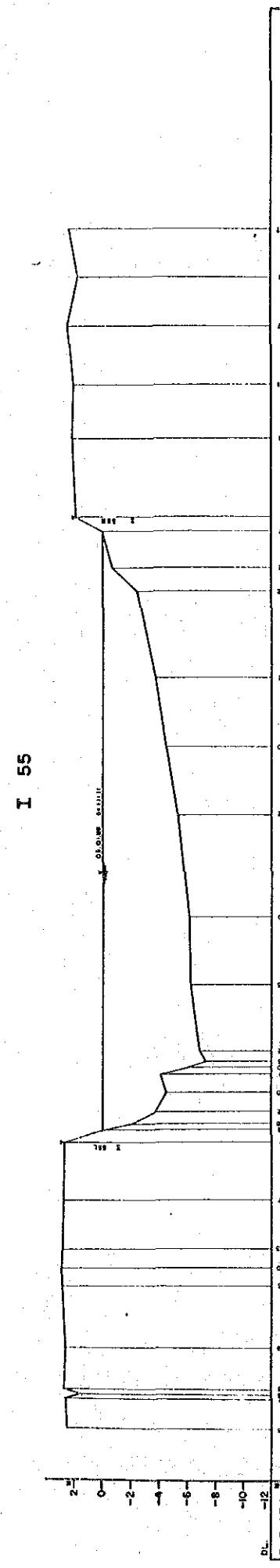
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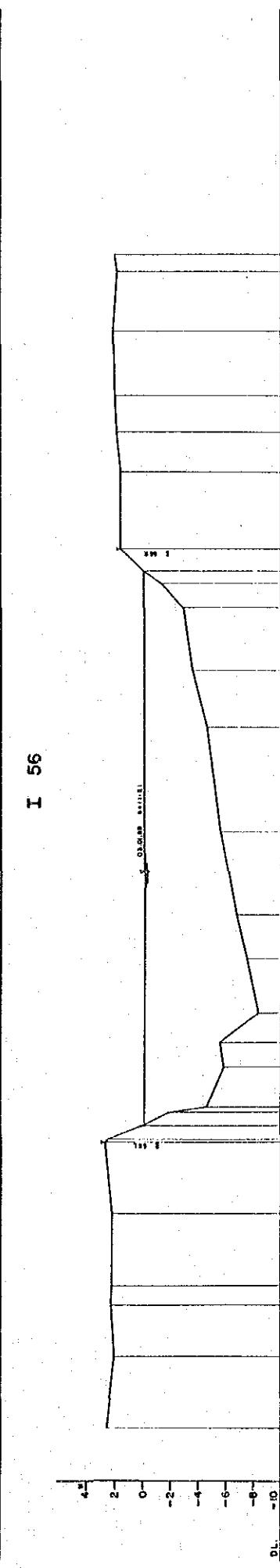
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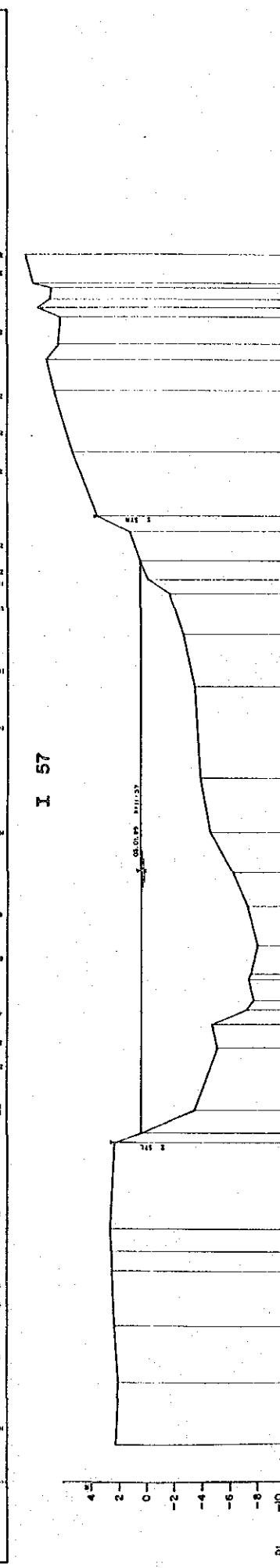
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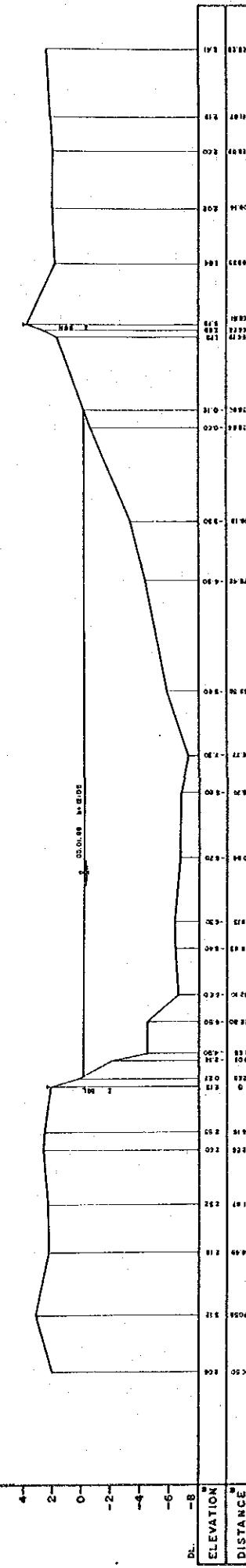
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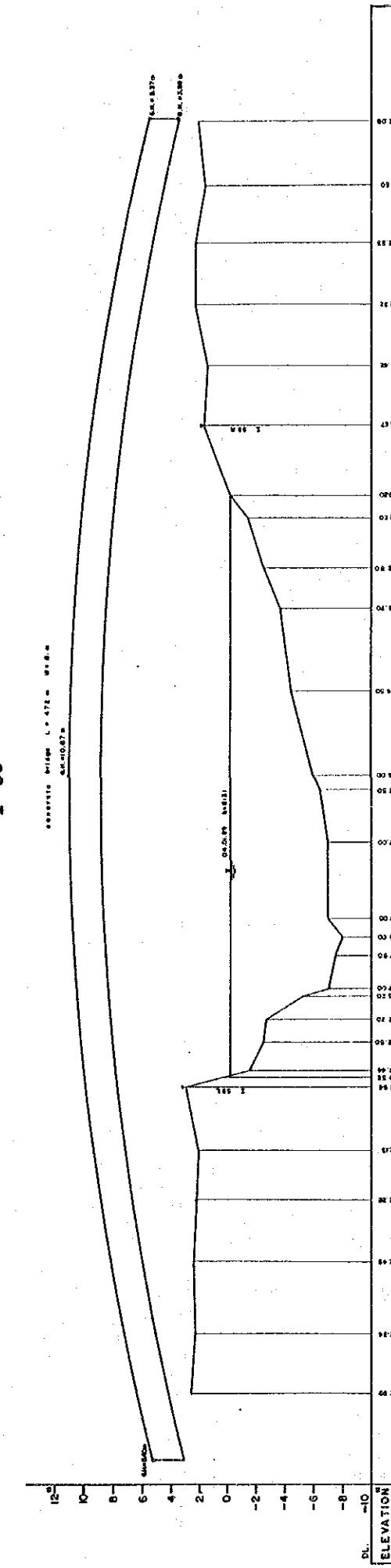
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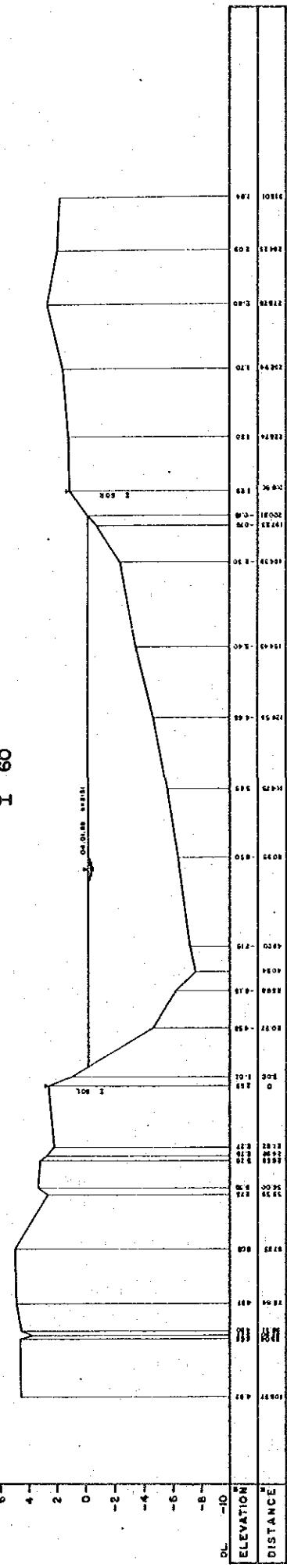
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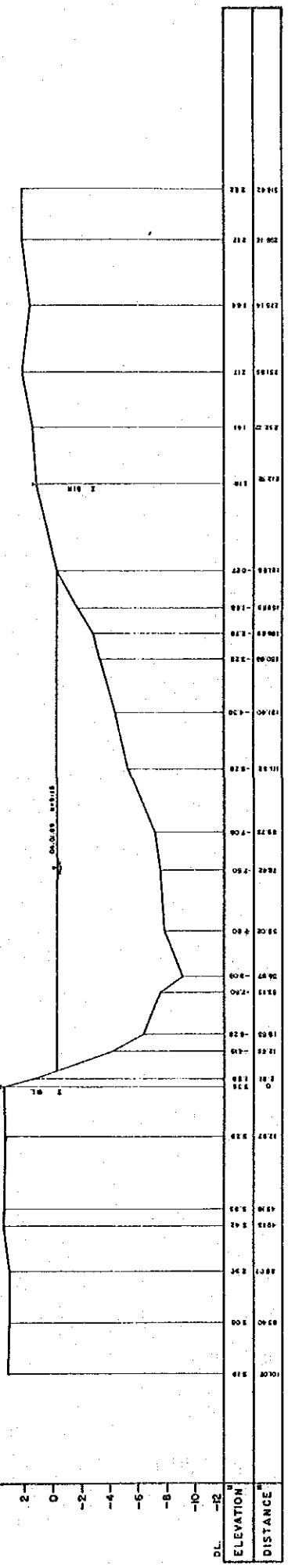
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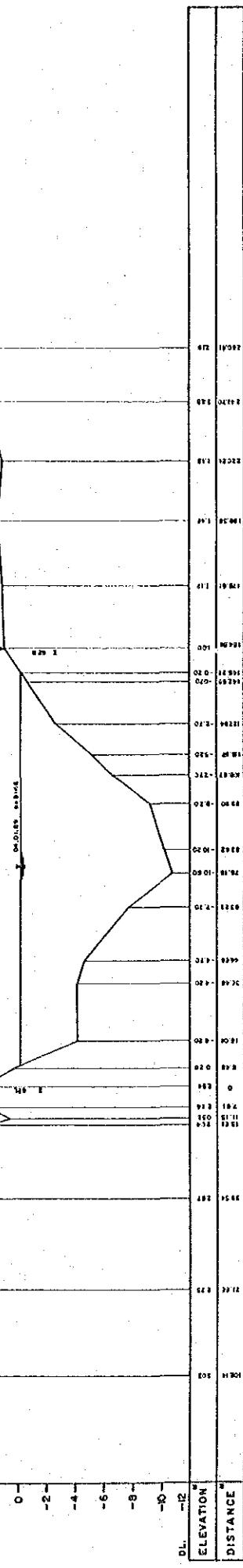
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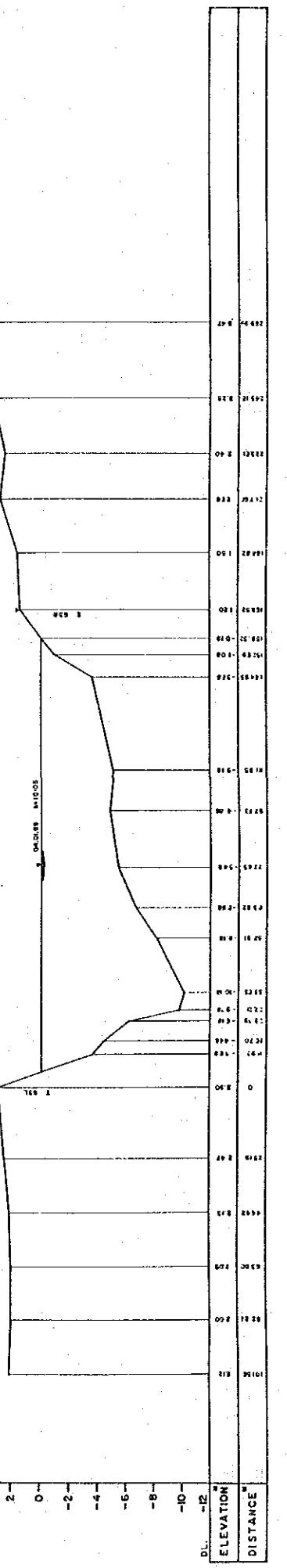
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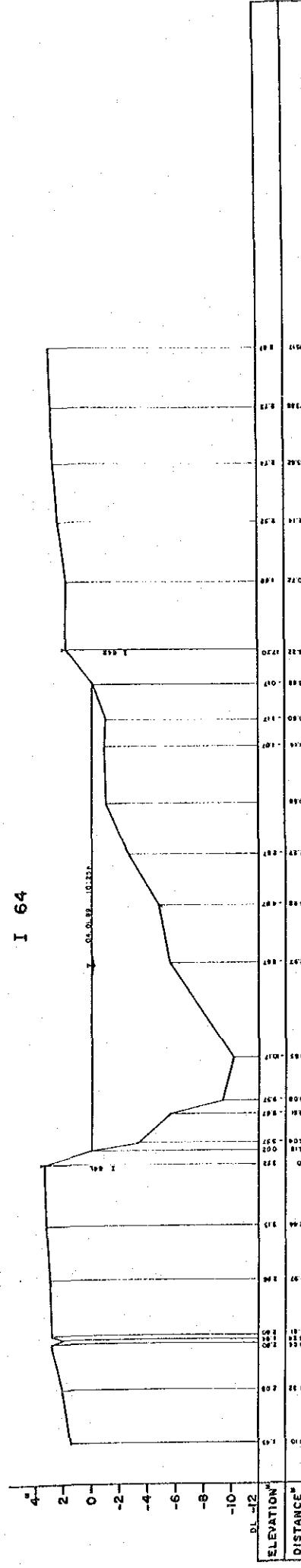
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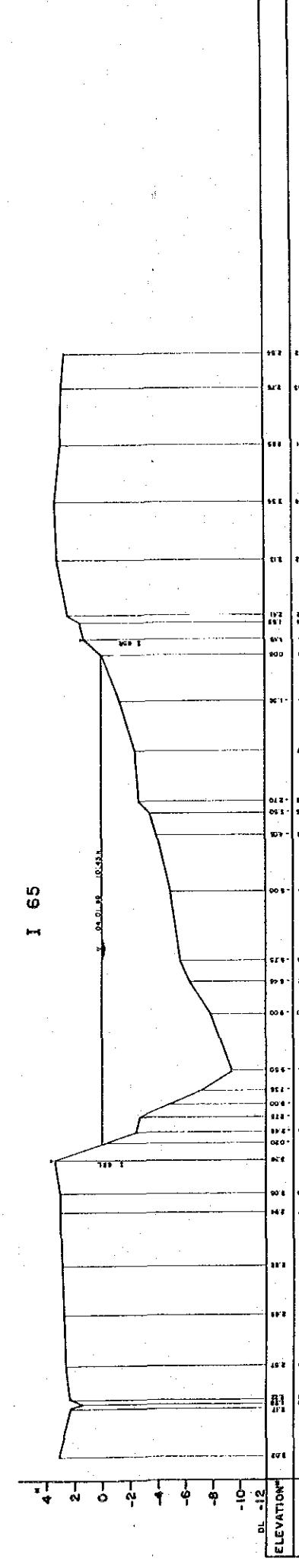
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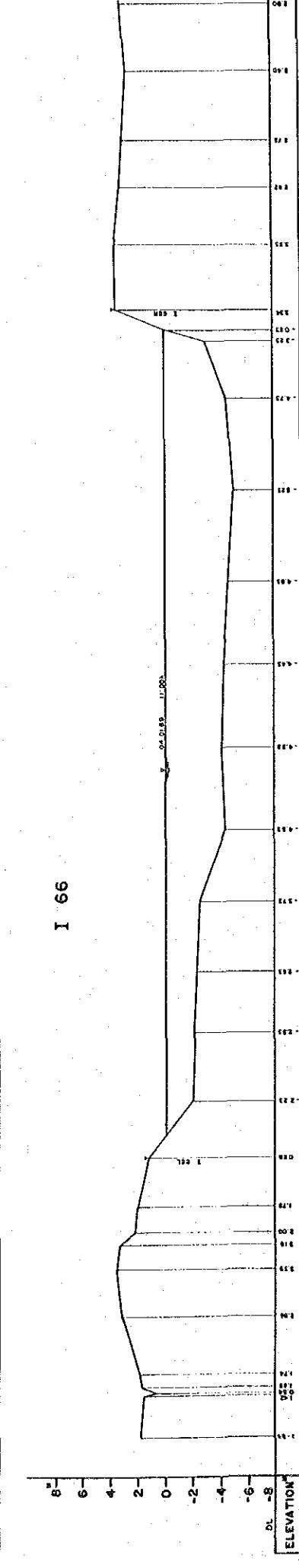
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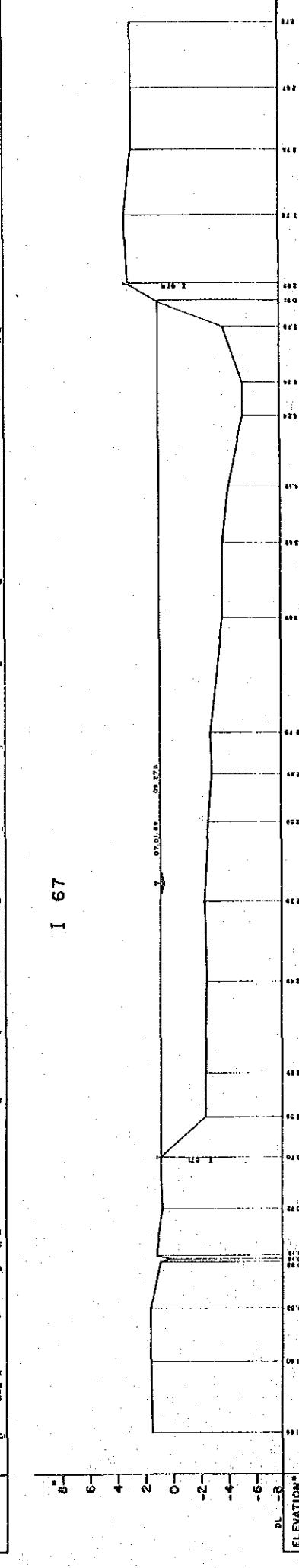
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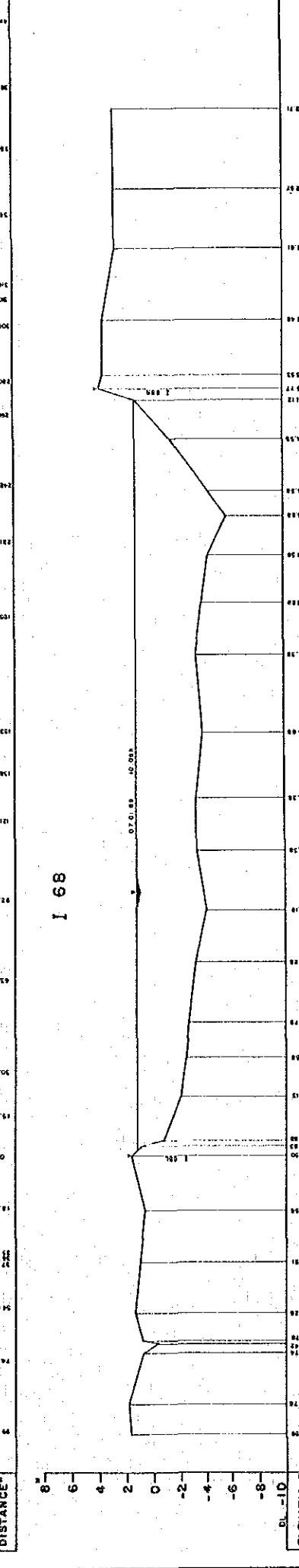
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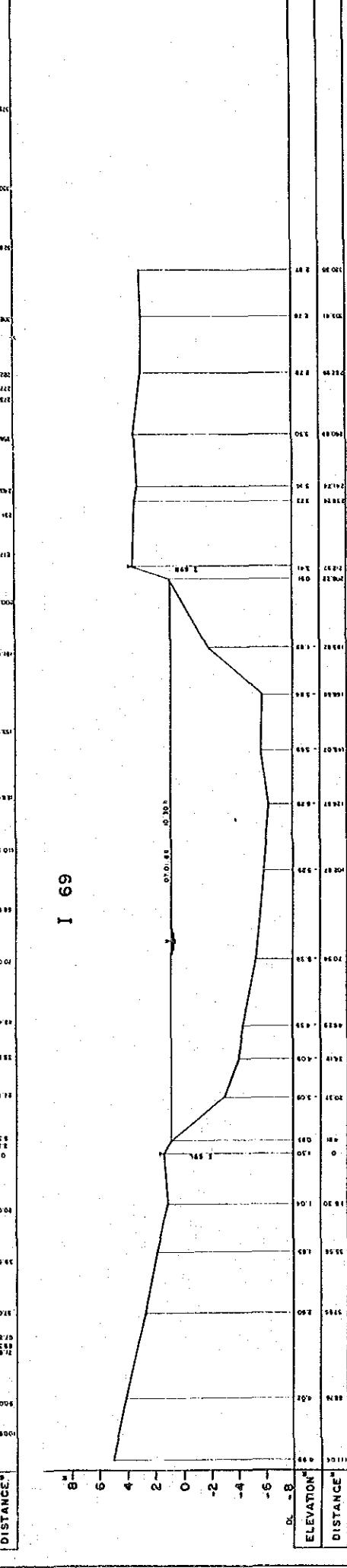
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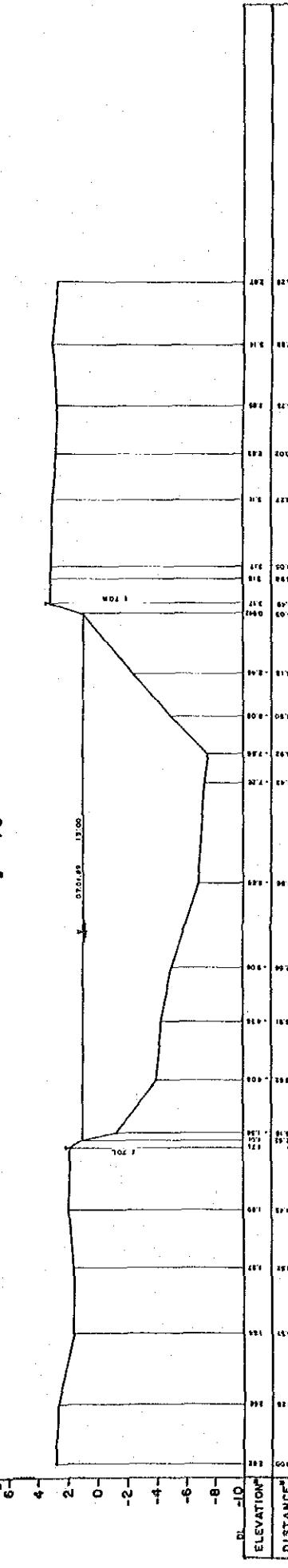
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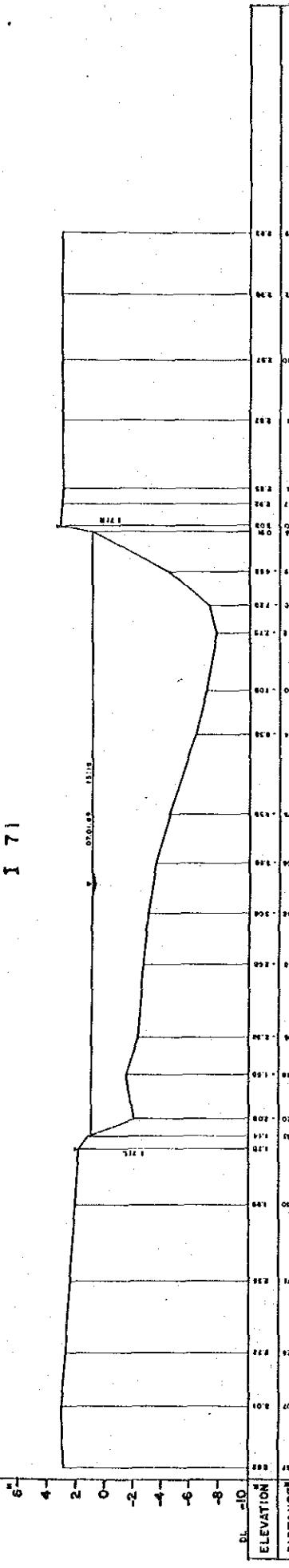
A.3.1. 16

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN	
CROSS SECTION OF THE ITAJAI - ACU	
SHEET NO.	IS WITHIN
15	16
SURVEYED DATE	1969.1
JAPAN INTERNATIONAL COOPERATION AGENCY	

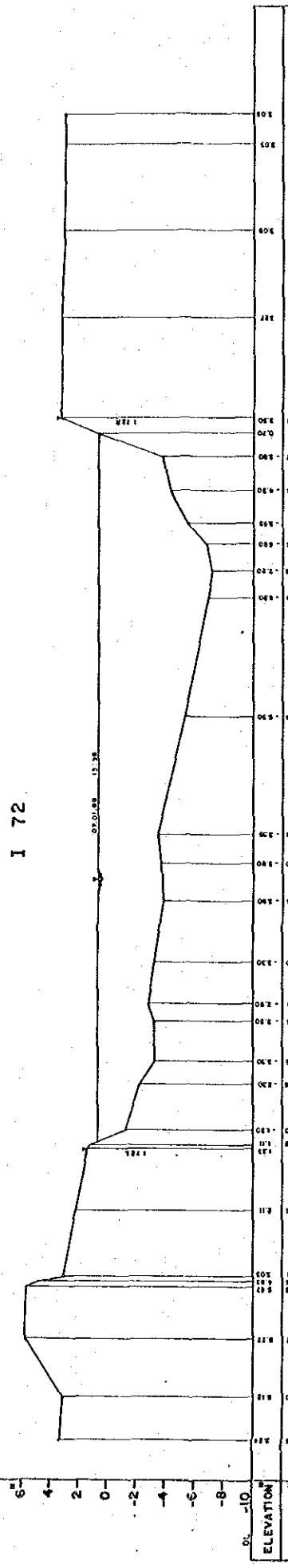
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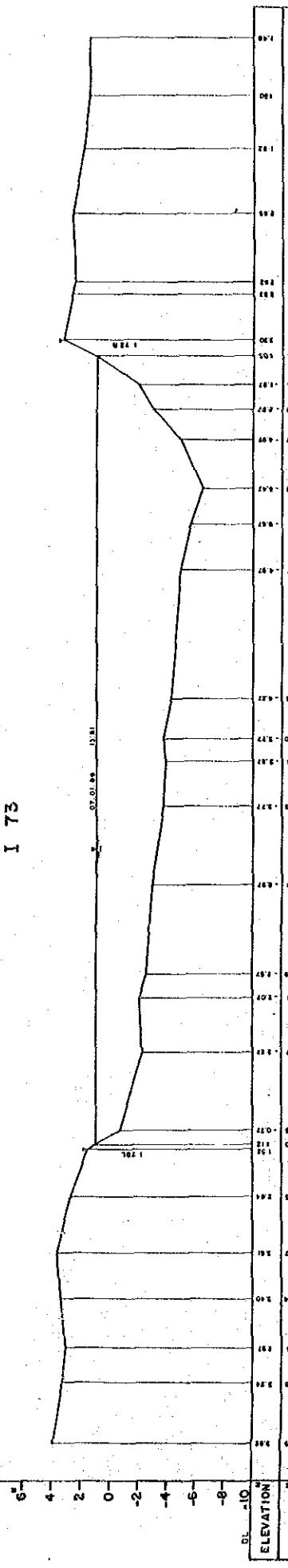
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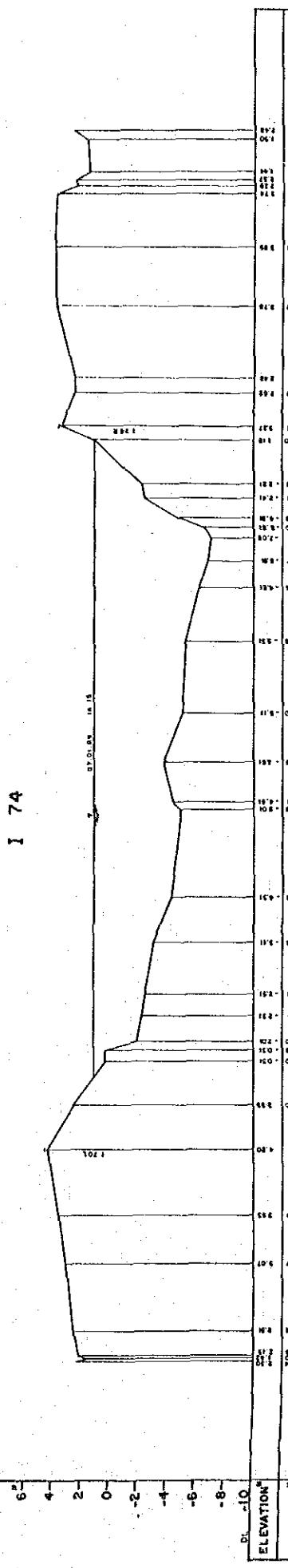
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I 73



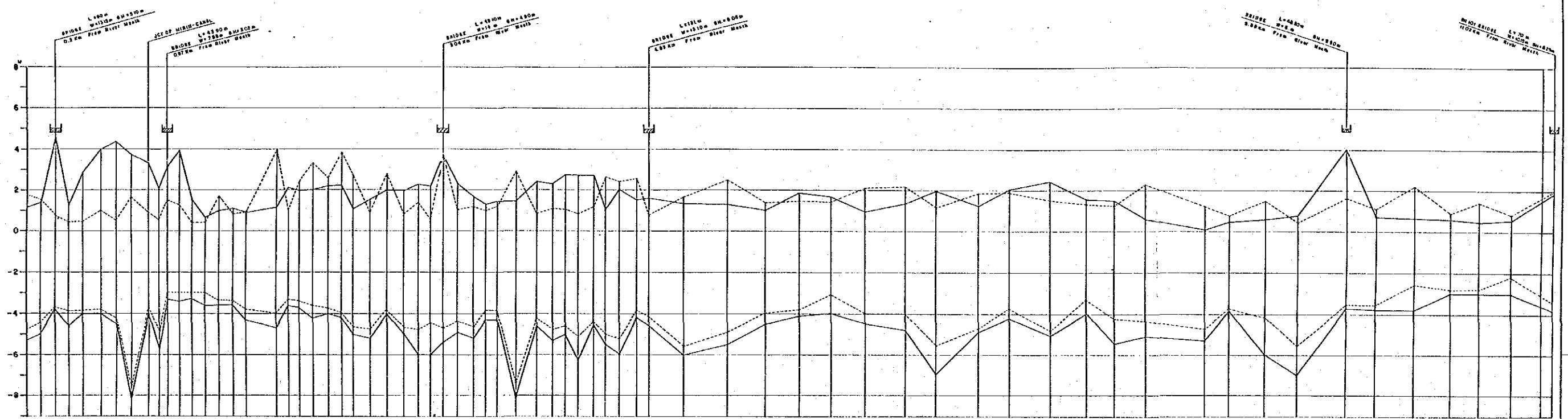
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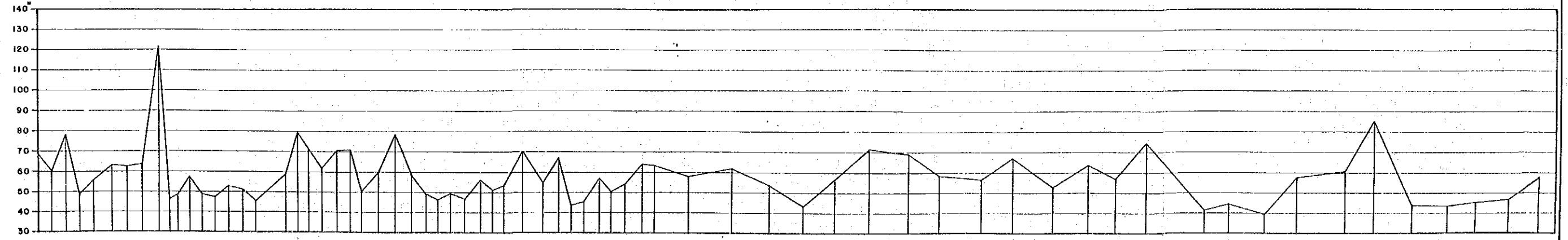
THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF THE ITAJAI - ACU
SHEET NO. 16 Width 16 SURVEYED DATE 1989.1
JAPAN INTERNATIONAL COOPERATION AGENCY

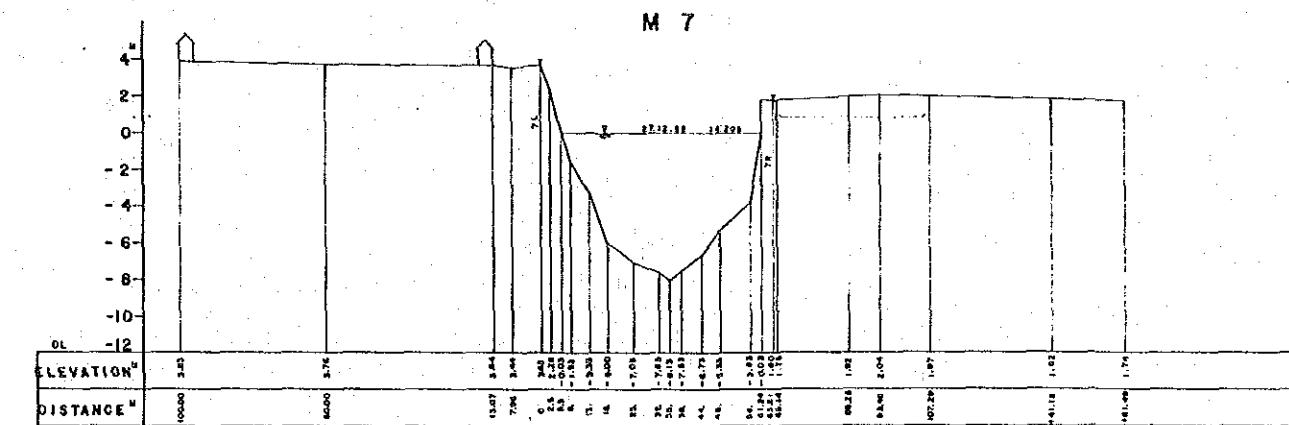
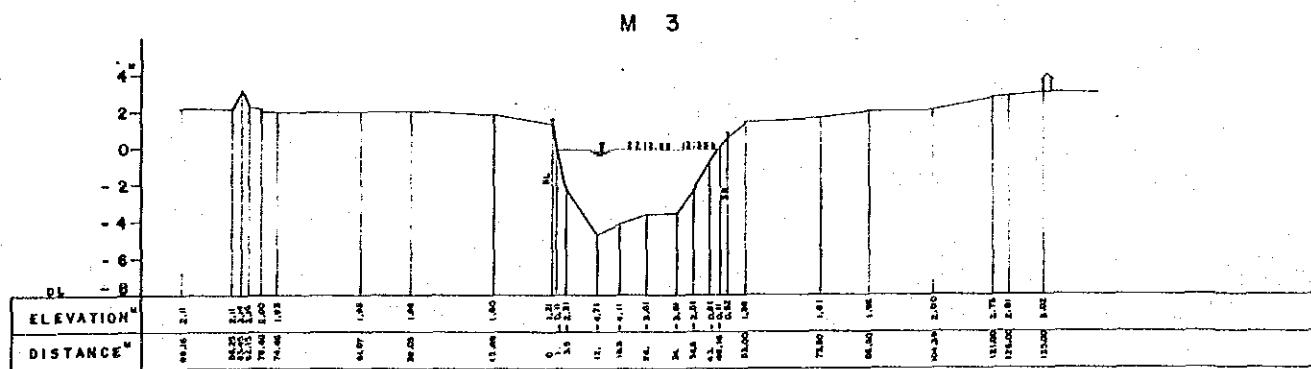
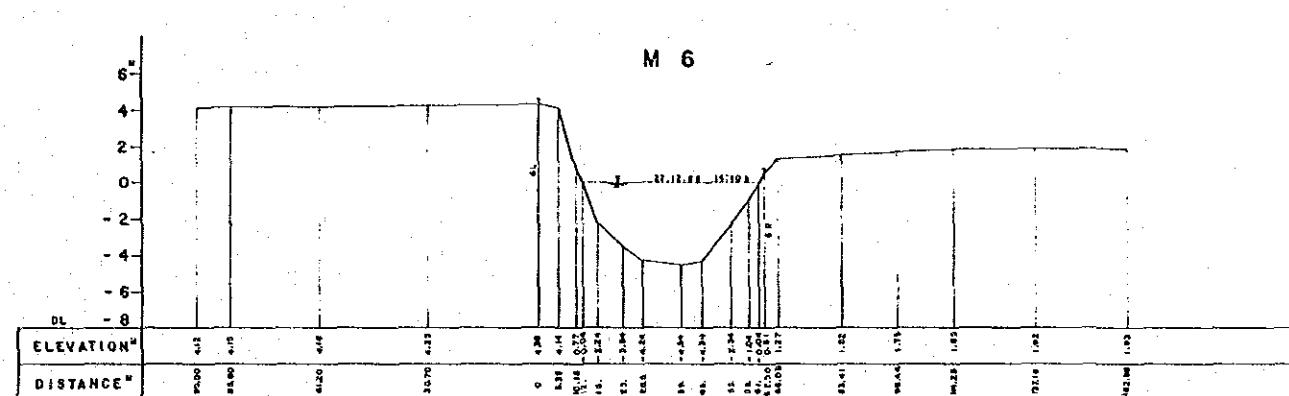
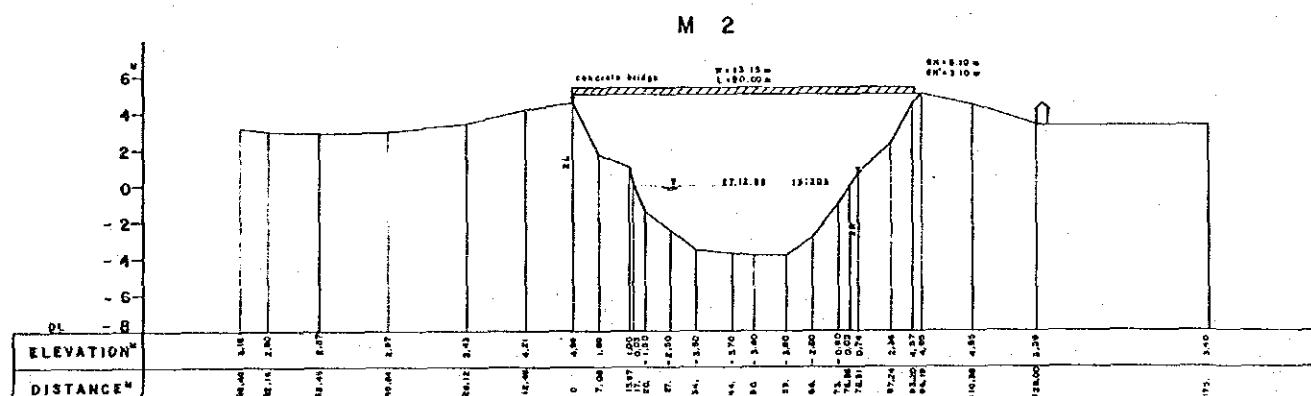
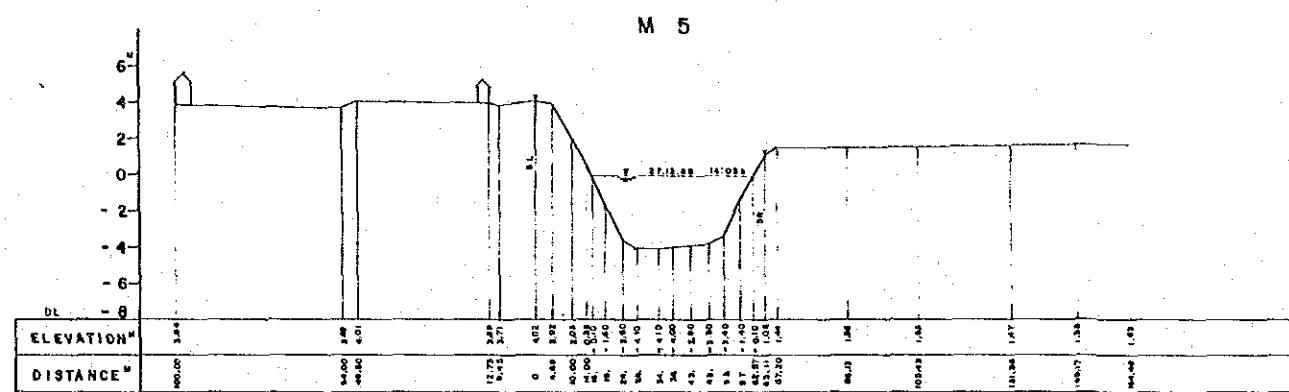
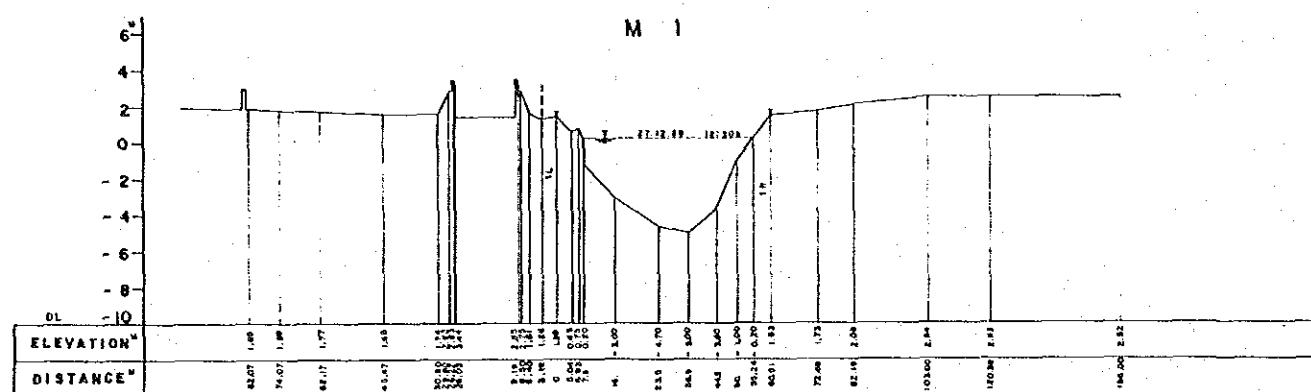
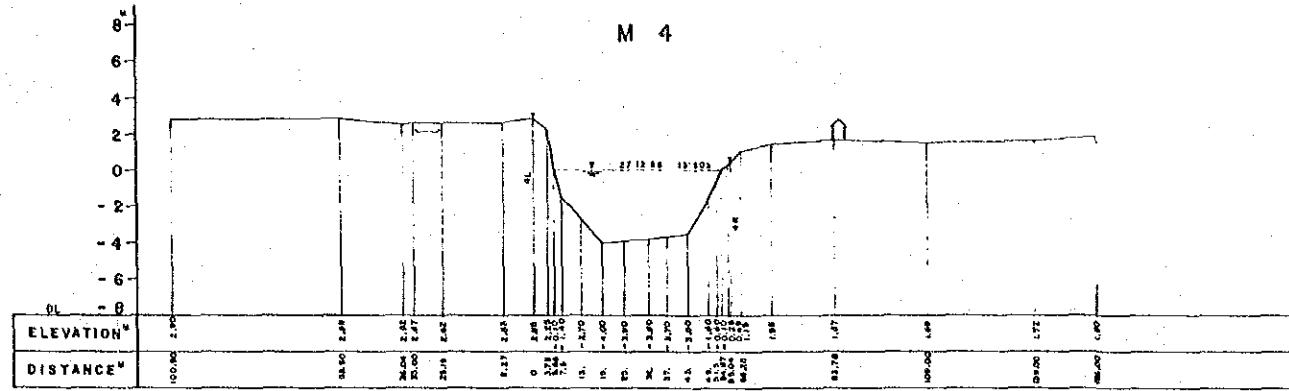
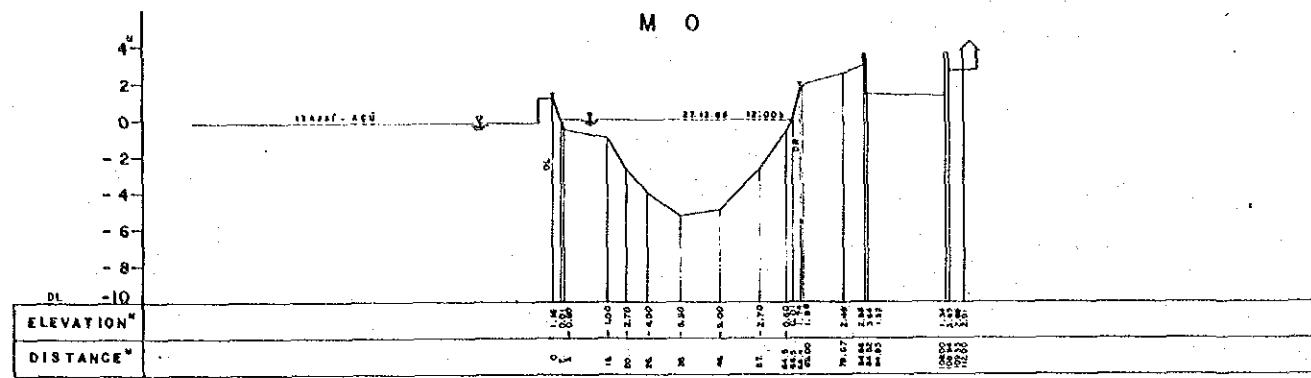
A.3.2 *Itajai Mirim river*

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN	
PROFILE OF THE ITAJAI - MIRIM	
ST. NO.	WIND
SURVEYED DATE	1989.1
JAPAN INTERNATIONAL COOPERATION AGENCY	



RIGHT BANK GH		LEFT BANK GH		LOWEST GH RIVERBED		AVERAGE RIVERBED GH		DISTANCE FROM RIVER MOUTH		SINGLE DISTANCE		RIVER WIDTH		NO OF CROSS SECTION	
N 00 44.38		N 01 44.41		N 02 44.42		N 03 44.44		N 04 44.45		N 05 44.46		N 06 44.47		N 07 44.48	
W 00 00.00		W 01 00.00		W 02 00.00		W 03 00.00		W 04 00.00		W 05 00.00		W 06 00.00		W 07 00.00	
E 00 00.00		E 01 00.00		E 02 00.00		E 03 00.00		E 04 00.00		E 05 00.00		E 06 00.00		E 07 00.00	
N 08 44.49		N 09 44.50		N 10 44.51		N 11 44.52		N 12 44.53		N 13 44.54		N 14 44.55		N 15 44.56	
W 08 00.00		W 09 00.00		W 10 00.00		W 11 00.00		W 12 00.00		W 13 00.00		W 14 00.00		W 15 00.00	
E 08 00.00		E 09 00.00		E 10 00.00		E 11 00.00		E 12 00.00		E 13 00.00		E 14 00.00		E 15 00.00	
N 16 44.57		N 17 44.58		N 18 44.59		N 19 44.60		N 20 44.61		N 21 44.62		N 22 44.63		N 23 44.64	
W 16 00.00		W 17 00.00		W 18 00.00		W 19 00.00		W 20 00.00		W 21 00.00		W 22 00.00		W 23 00.00	
E 16 00.00		E 17 00.00		E 18 00.00		E 19 00.00		E 20 00.00		E 21 00.00		E 22 00.00		E 23 00.00	
N 24 44.65		N 25 44.66		N 26 44.67		N 27 44.68		N 28 44.69		N 29 44.70		N 30 44.71		N 31 44.72	
W 24 00.00		W 25 00.00		W 26 00.00		W 27 00.00		W 28 00.00		W 29 00.00		W 30 00.00		W 31 00.00	
E 24 00.00		E 25 00.00		E 26 00.00		E 27 00.00		E 28 00.00		E 29 00.00		E 30 00.00		E 31 00.00	
N 32 44.73		N 33 44.74		N 34 44.75		N 35 44.76		N 36 44.77		N 37 44.78		N 38 44.79		N 39 44.80	
W 32 00.00		W 33 00.00		W 34 00.00		W 35 00.00		W 36 00.00		W 37 00.00		W 38 00.00		W 39 00.00	
E 32 00.00		E 33 00.00		E 34 00.00		E 35 00.00		E 36 00.00		E 37 00.00		E 38 00.00		E 39 00.00	
N 40 44.81		N 41 44.82		N 42 44.83		N 43 44.84		N 44 44.85		N 45 44.86		N 46 44.87		N 47 44.88	
W 40 00.00		W 41 00.00		W 42 00.00		W 43 00.00		W 44 00.00		W 45 00.00		W 46 00.00		W 47 00.00	
E 40 00.00		E 41 00.00		E 42 00.00		E 43 00.00		E 44 00.00		E 45 00.00		E 46 00.00		E 47 00.00	
N 48 44.89		N 49 44.90		N 50 44.91		N 51 44.92		N 52 44.93		N 53 44.94		N 54 44.95		N 55 44.96	
W 48 00.00		W 49 00.00		W 50 00.00		W 51 00.00		W 52 00.00		W 53 00.00		W 54 00.00		W 55 00.00	
E 48 00.00		E 49 00.00		E 50 00.00		E 51 00.00		E 52 00.00		E 53 00.00		E 54 00.00		E 55 00.00	
N 56 44.97		N 57 44.98		N 58 44.99		N 59 44.00		N 60 44.01		N 61 44.02		N 62 44.03		N 63 44.04	
W 56 00.00		W 57 00.00		W 58 00.00		W 59 00.00		W 60 00.00		W 61 00.00		W 62 00.00		W 63 00.00	
E 56 00.00		E 57 00.00		E 58 00.00		E 59 00.00		E 60 00.00		E 61 00.00		E 62 00.00		E 63 00.00	
N 64 44.05		N 65 44.06		N 66 44.07		N 67 44.08		N 68 44.09		N 69 44.10		N 70 44.11		N 71 44.12	
W 64 00.00		W 65 00.00		W 66 00.00		W 67 00.00		W 68 00.00		W 69 00.00		W 70 00.00		W 71 00.00	
E 64 00.00		E 65 00.00		E 66 00.00		E 67 00.00		E 68 00.00		E 69 00.00		E 70 00.00		E 71 00.00	
N 72 44.13		N 73 44.14		N 74 44.15		N 75 44.16		N 76 44.17		N 77 44.18		N 78 44.19		N 79 44.20	
W 72 00.00		W 73 00.00		W 74 00.00		W 75 00.00		W 76 00.00		W 77 00.00		W 78 00.00		W 79 00.00	
E 72 00.00		E 73 00.00		E 74 00.00		E 75 00.00		E 76 00.00		E 77 00.00		E 78 00.00		E 79 00.00	
N 80 44.21		N 81 44.22		N 82 44.23		N 83 44.24		N 84 44.25		N 85 44.26		N 86 44.27		N 87 44.28	
W 80 00.00		W 81 00.00		W 82 00.00		W 83 00.00		W 84 00.00		W 85 00.00		W 86 00.00		W 87 00.00	
E 80 00.00		E 81 00.00		E 82 00.00		E 83 00.00		E 84 00.00		E 85 00.00		E 86 00.00		E 87 00.00	
N 88 44.29		N 89 44.30		N 90 44.31		N 91 44.32		N 92 44.33		N 93 44.34		N 94 44.35		N 95 44.36	
W 88 00.00		W 89 00.00		W 90 00.00		W 91 00.00		W 92 00.00		W 93 00.00		W 94 00.00		W 95 00.00	
E 88 00.00		E 89 00.00		E 90 00.00		E 91 00.00		E 92 00.00		E 93 00.00		E 94 00.00		E 95 00.00	
N 96 44.37		N 97 44.38		N 98 44.39		N 99 44.40		N 100 44.41		N 101 44.42		N 102 44.43		N 103 44.44	
W 96 00.00		W 97 00.00		W 98 00.00		W 99 00.00		W 100 00.00		W 101 00.00		W 102 00.00		W 103 00.00	
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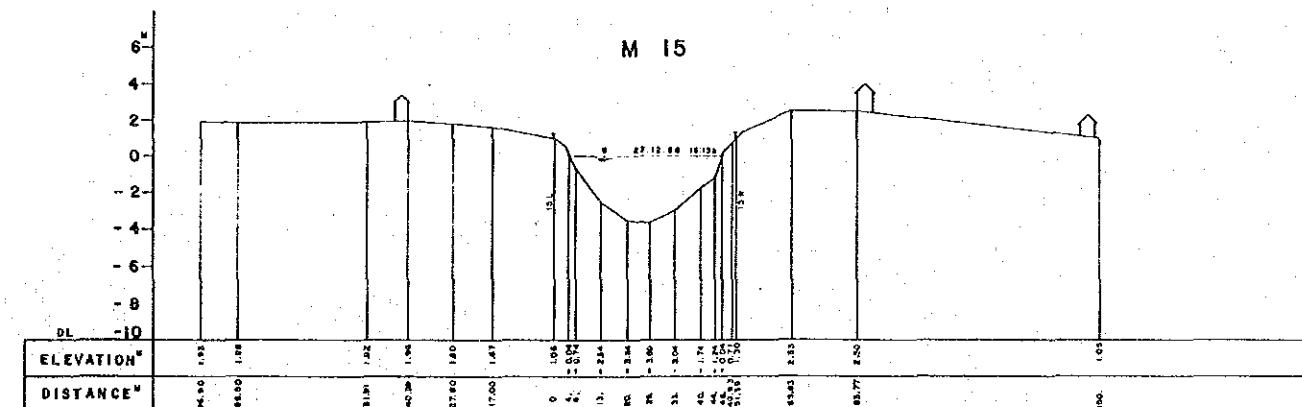
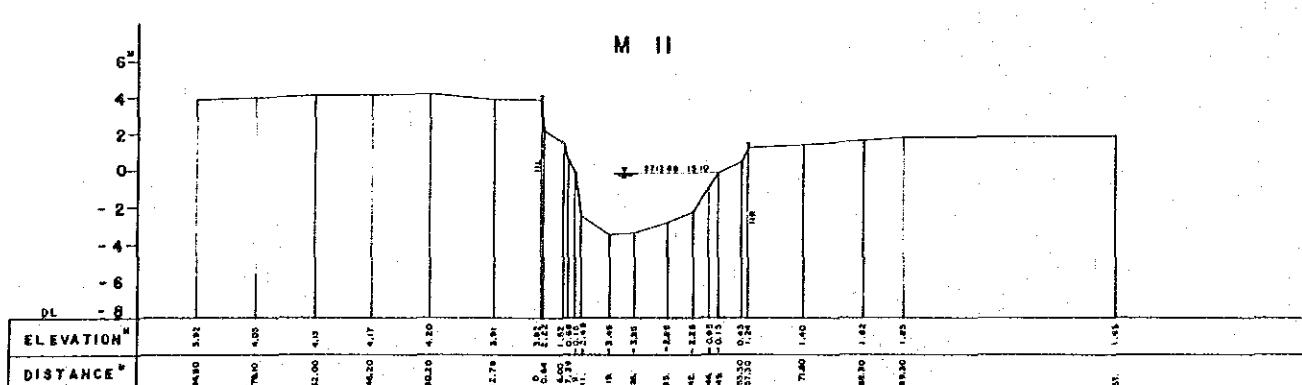
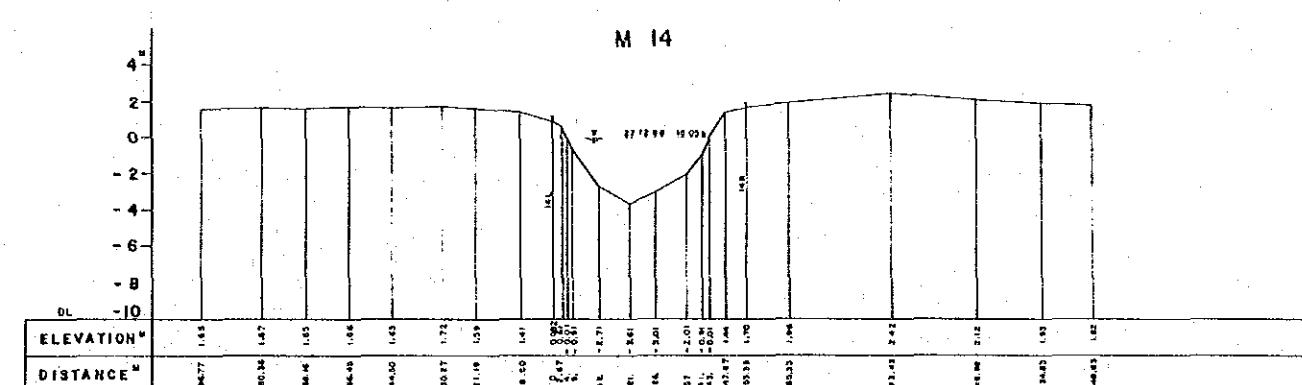
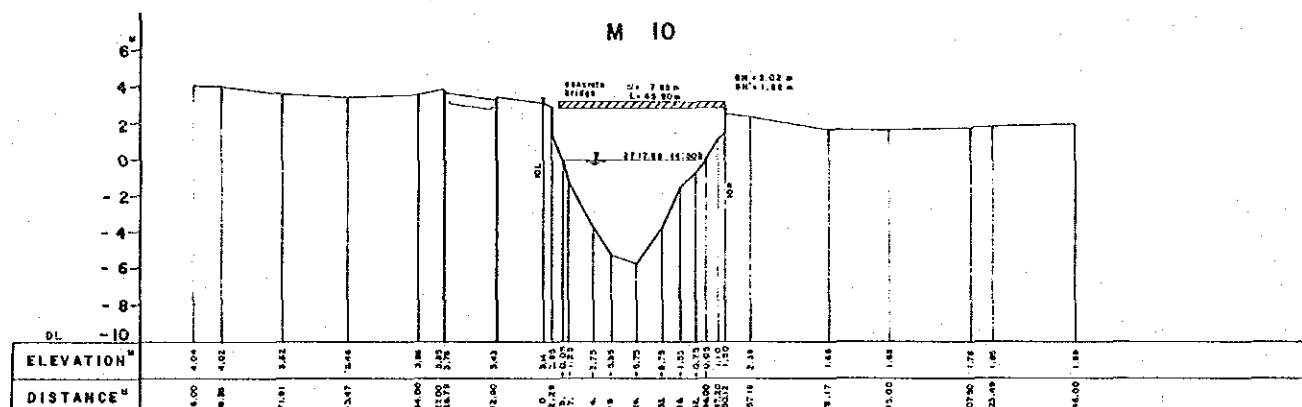
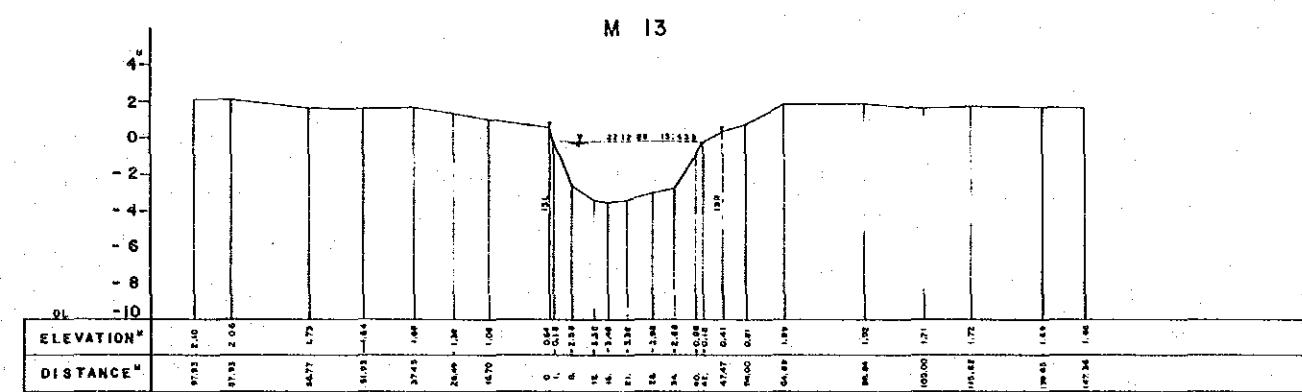
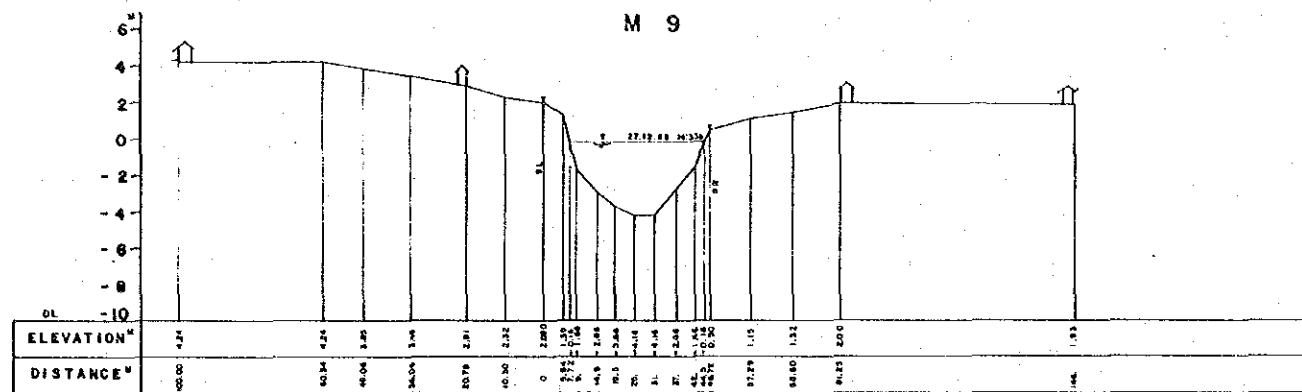
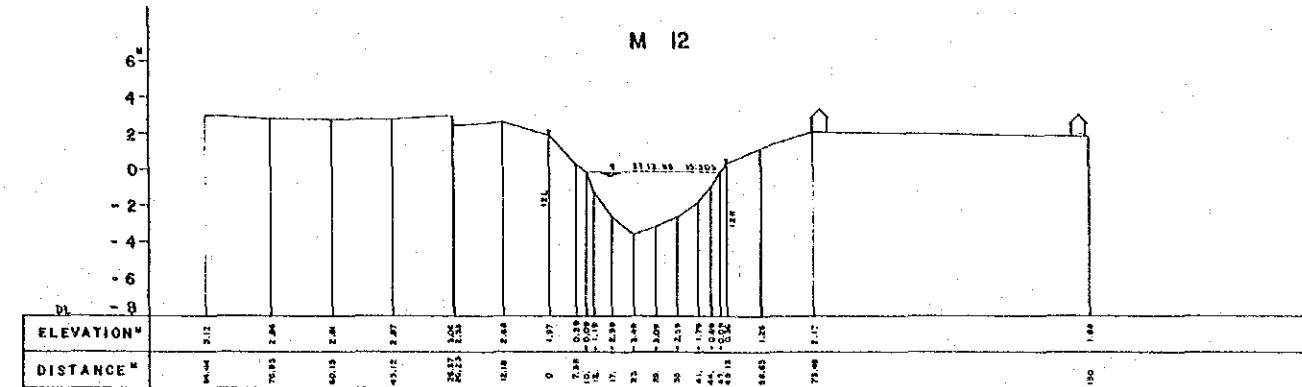
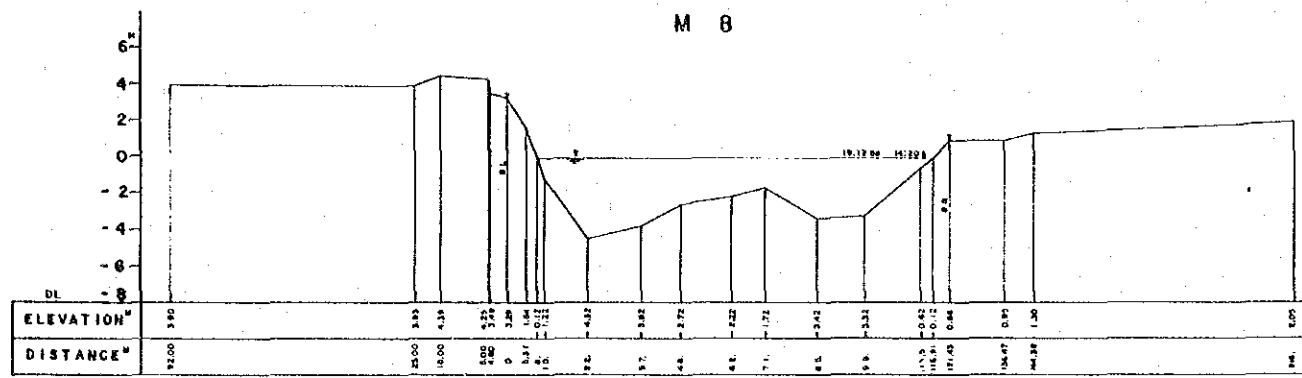




REMARKS

ROAD
T.B.M.
BUILDING

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN			
CROSS SECTION OF THE ITAJAI-MIRIM			
SHEET NO.	01	WEIR NO.	09
SURVEYED DATE	1989.1		
JAPAN INTERNATIONAL COOPERATION AGENCY			



THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN

CROSS SECTION OF THE ITAJAI-MIRIM

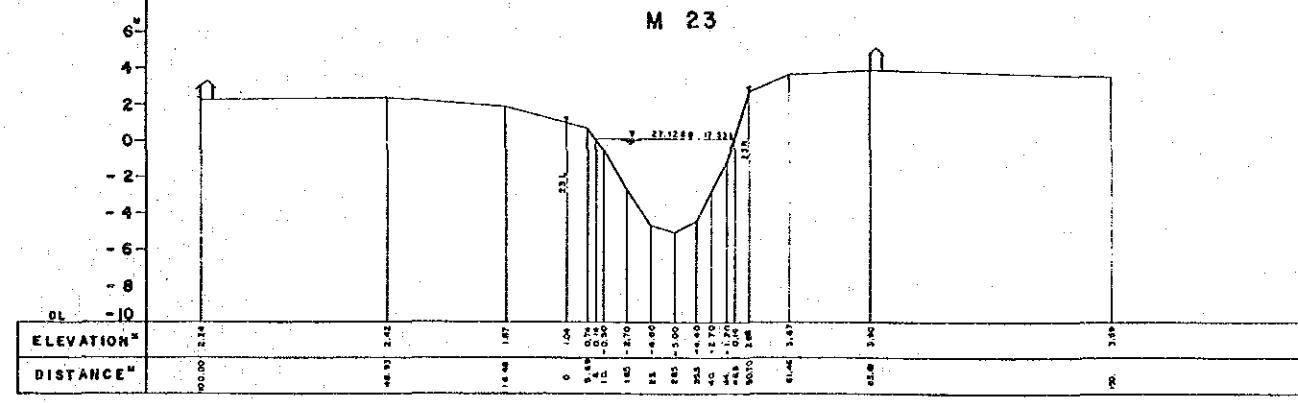
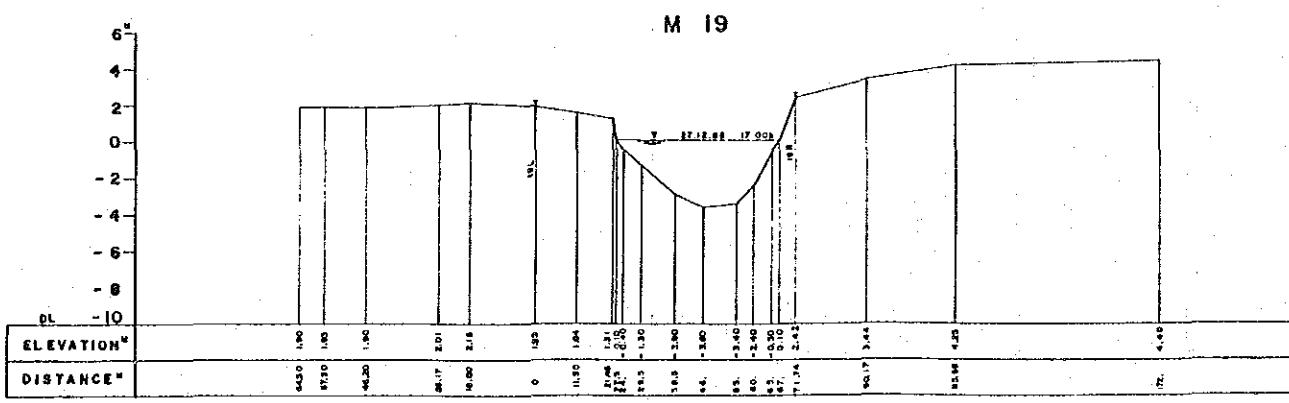
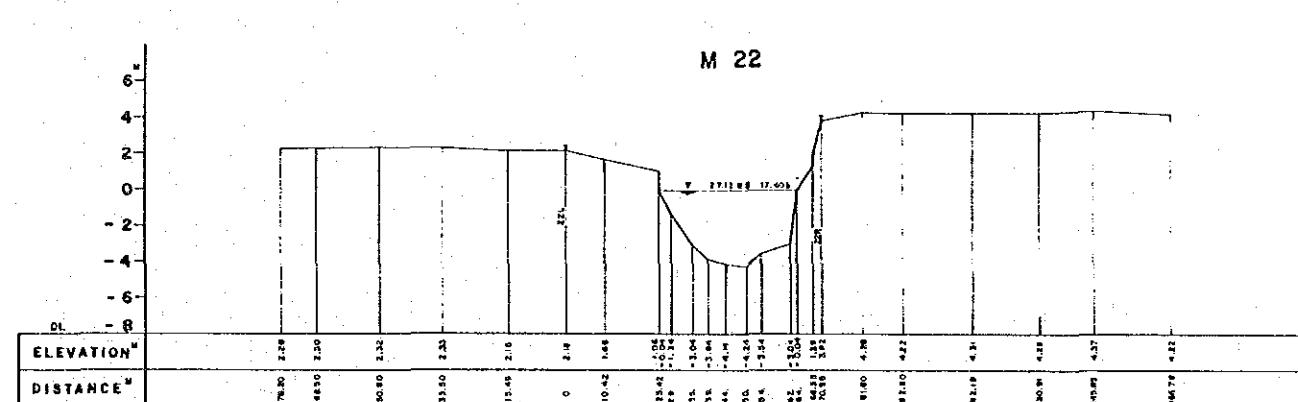
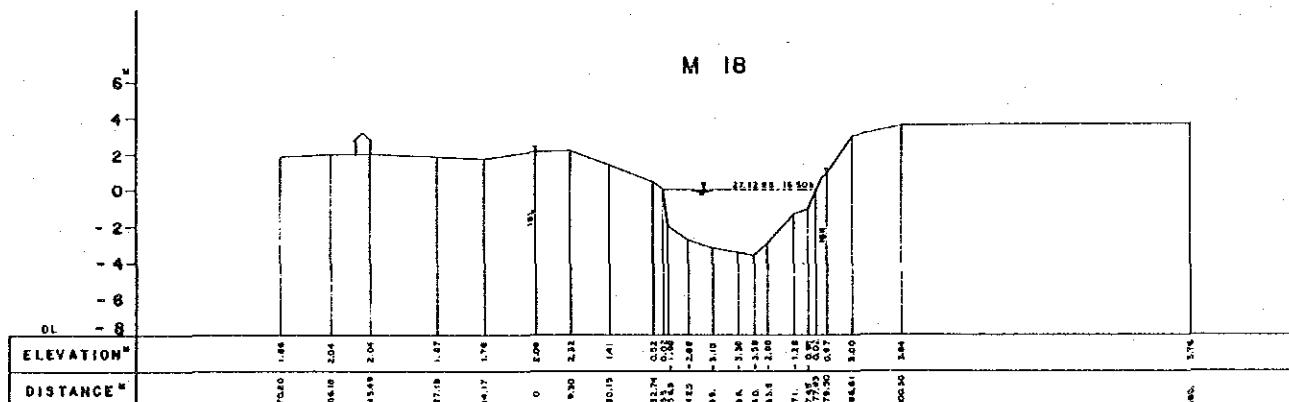
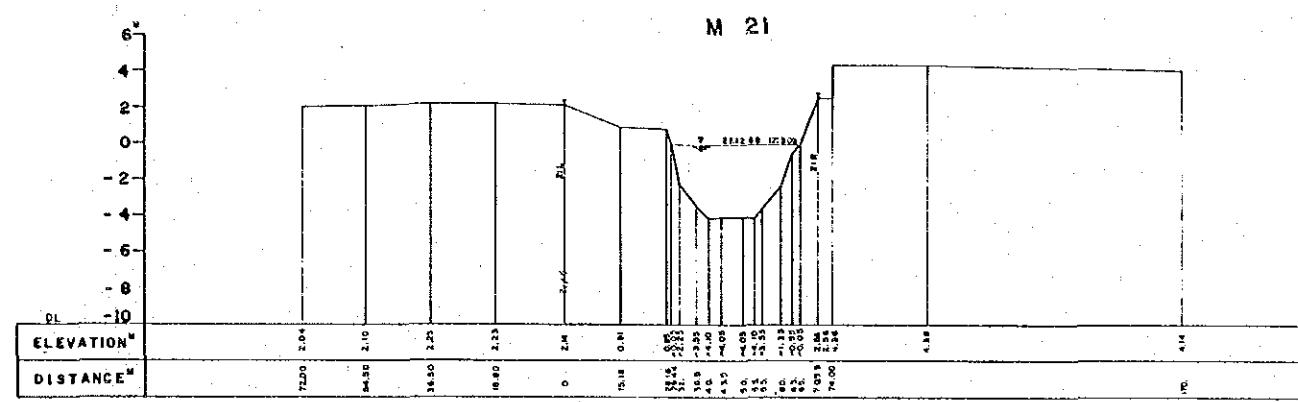
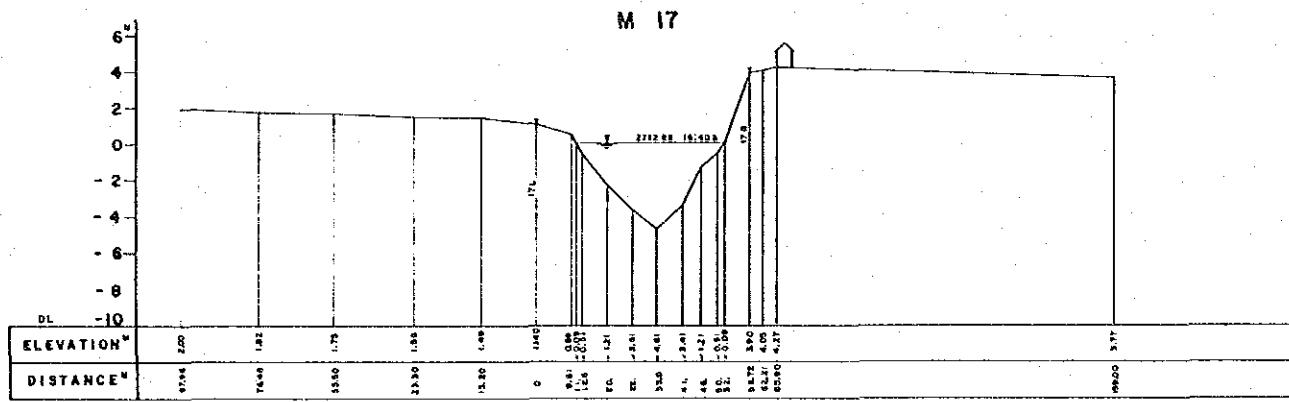
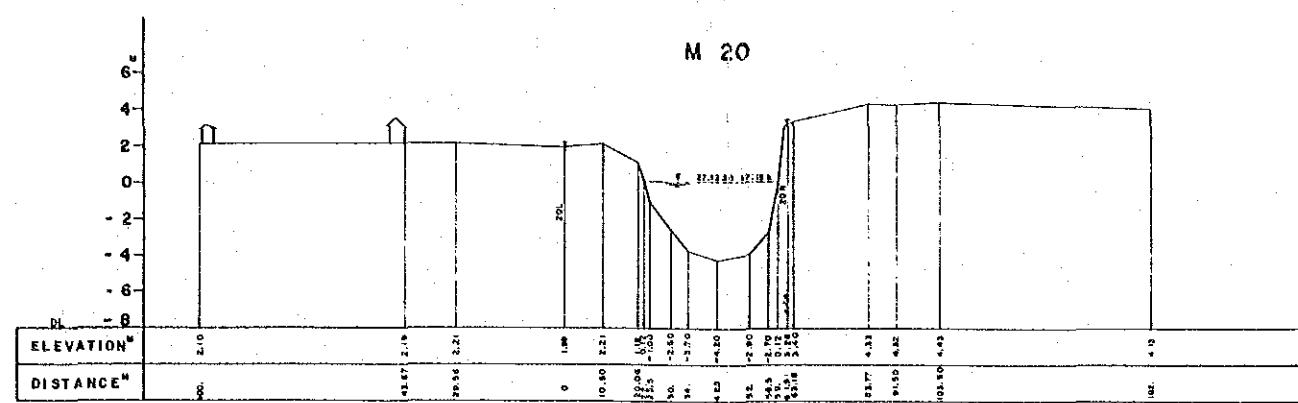
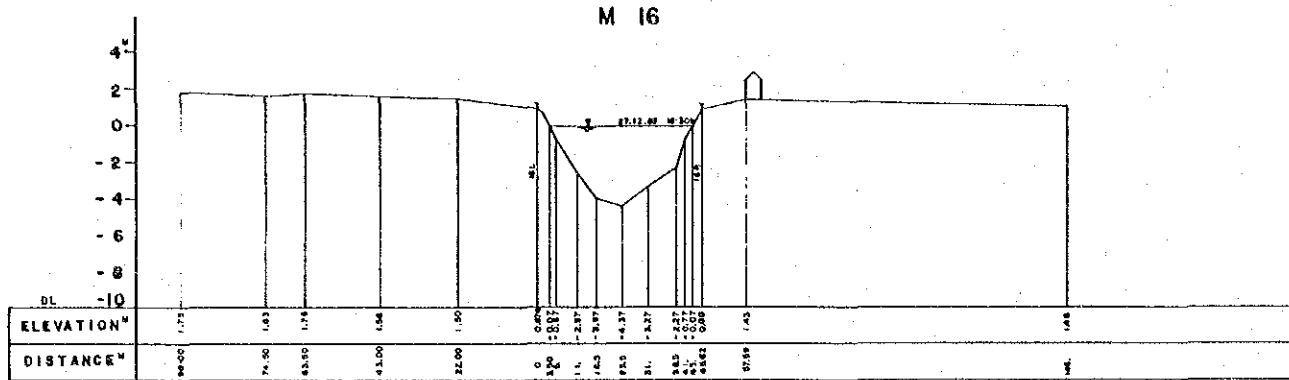
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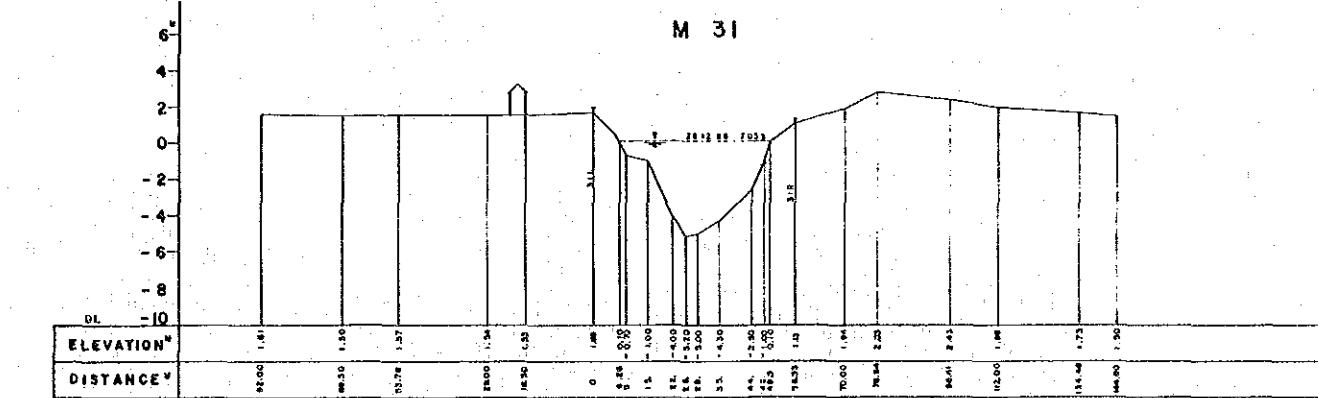
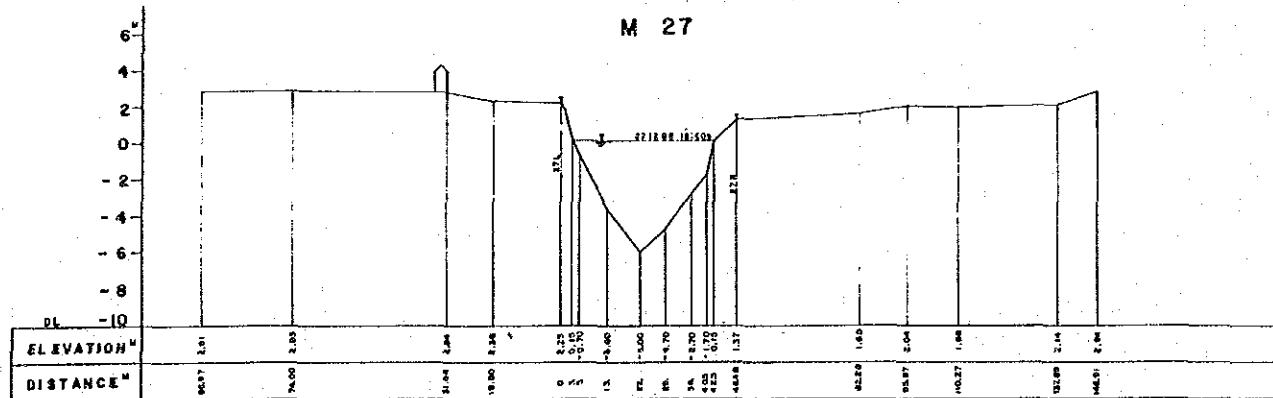
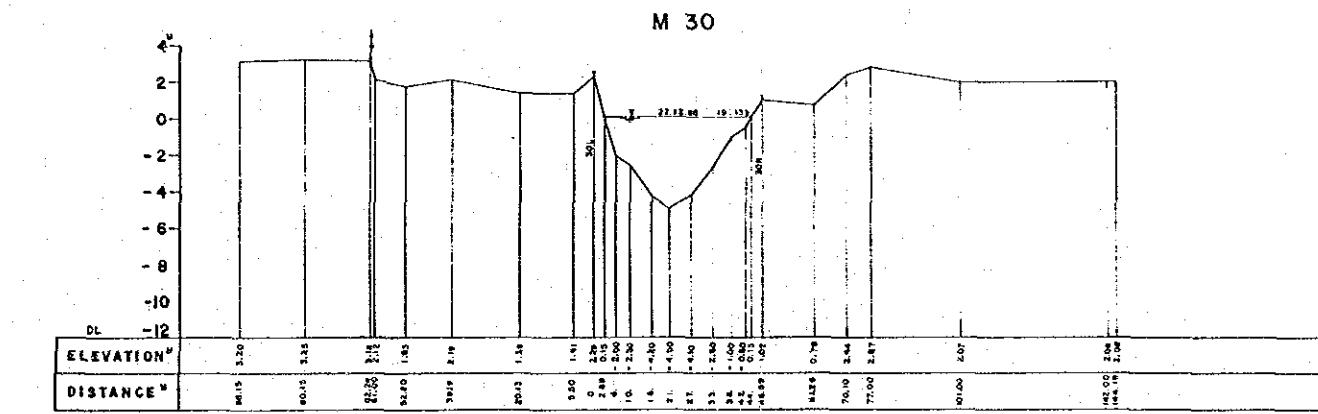
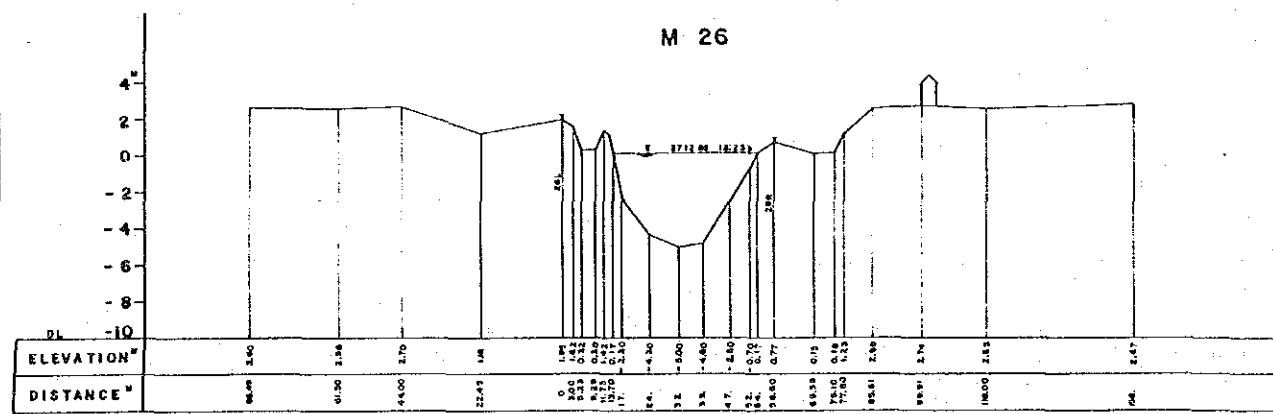
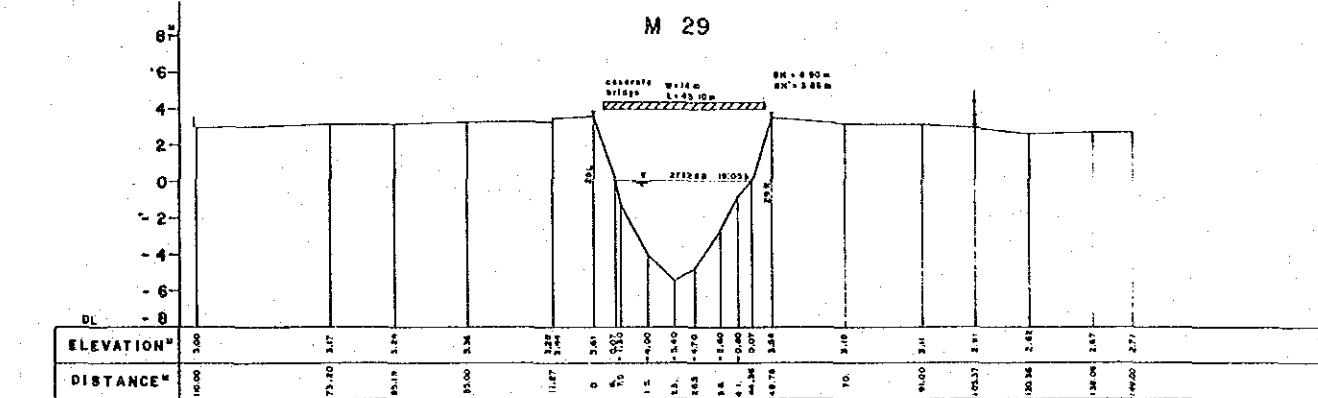
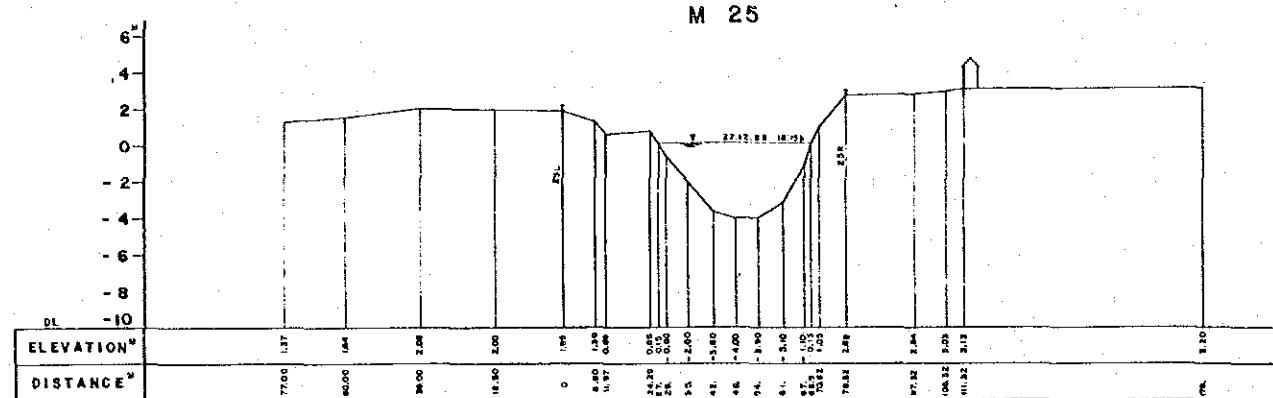
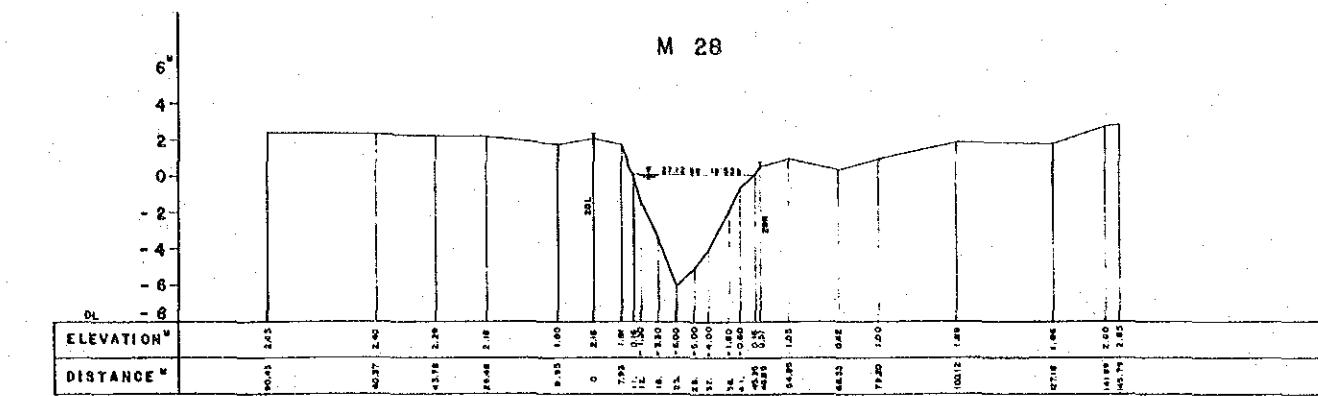
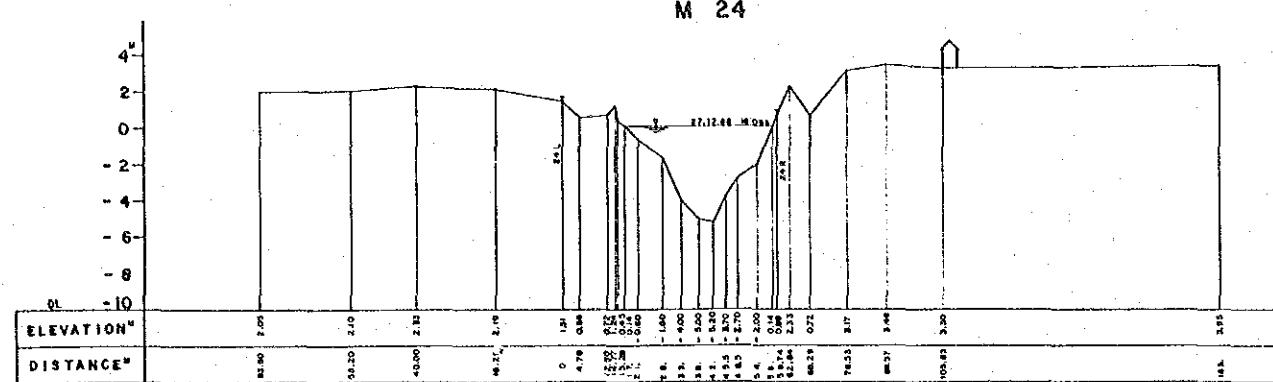
URVEIED DATE 1989.1

39.1

JAPAN INTERNATIONAL COOPERATION AGENCY

A 32 3





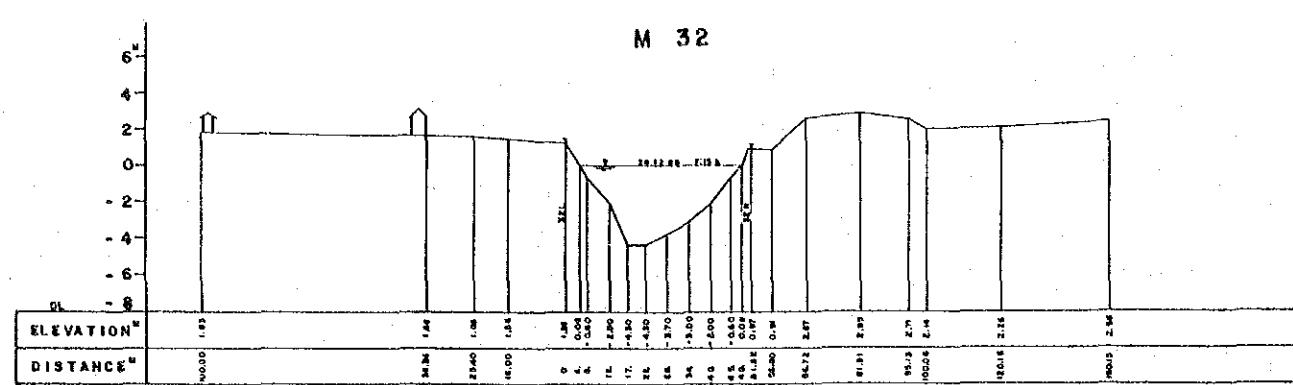
THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN

CROSS SECTION OF THE ITAJAI-MIRIM

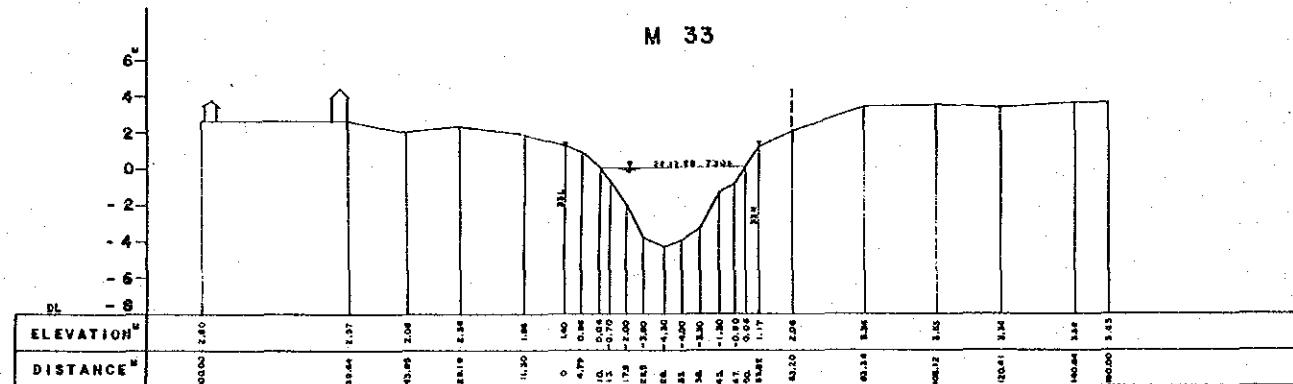
SHEET #9 04 WISHLA 09

MENAI INTERNATIONAL COOPERATION AGENCY

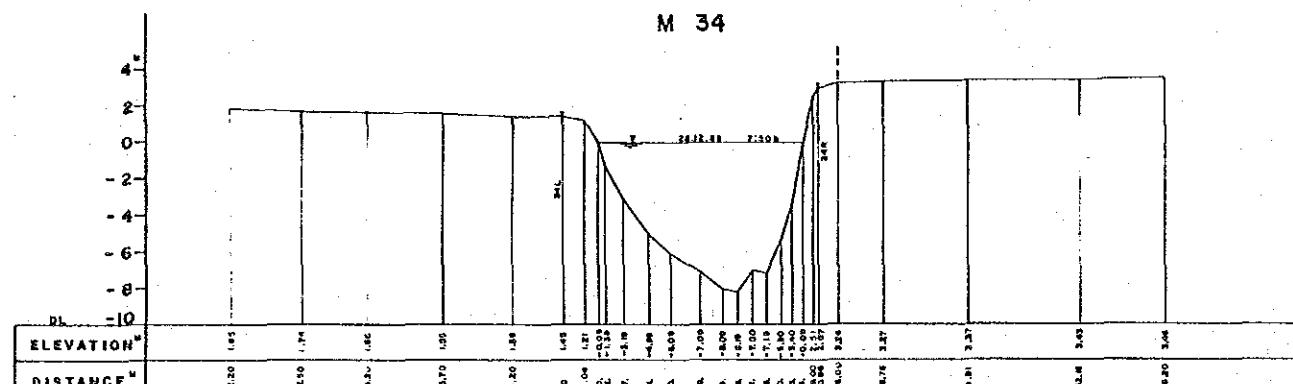
JAPAN INTERNATIONAL COOPERATION AGENCY A325



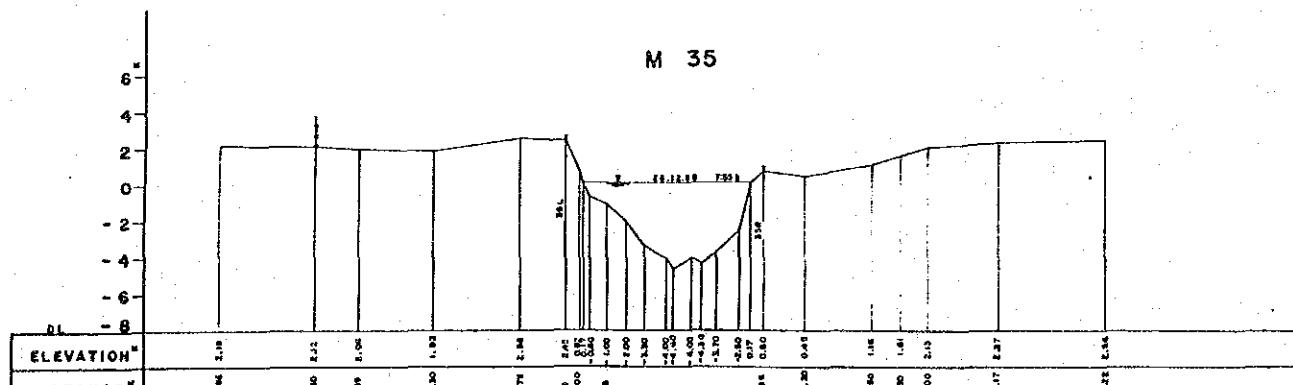
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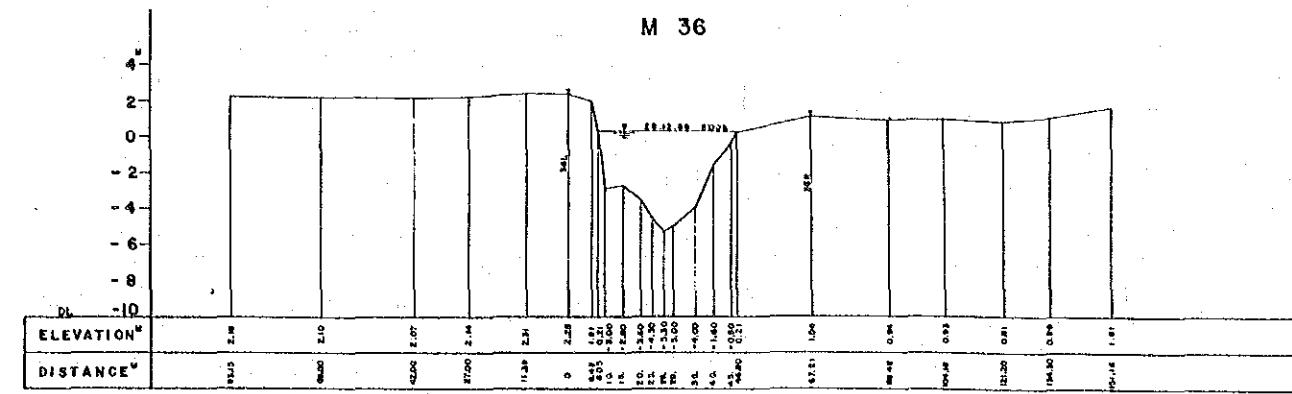
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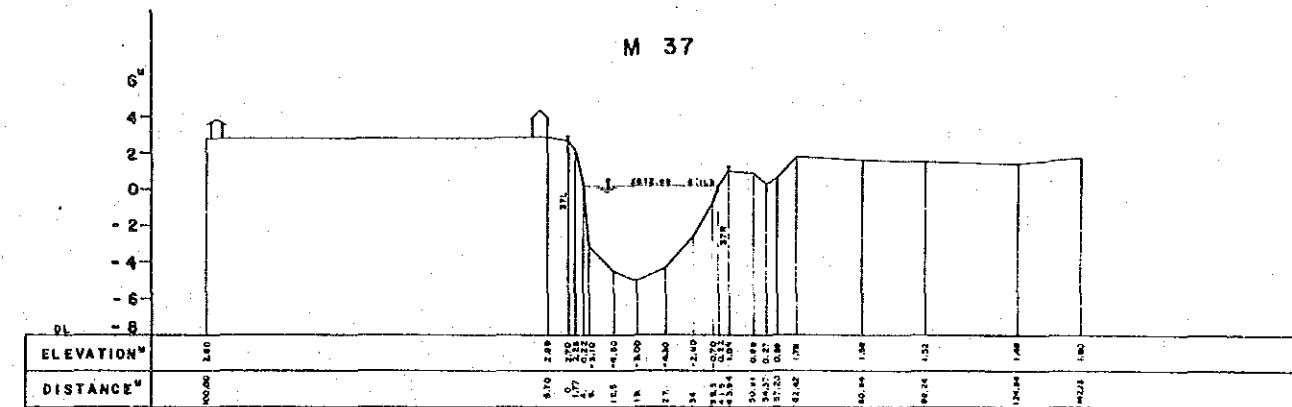
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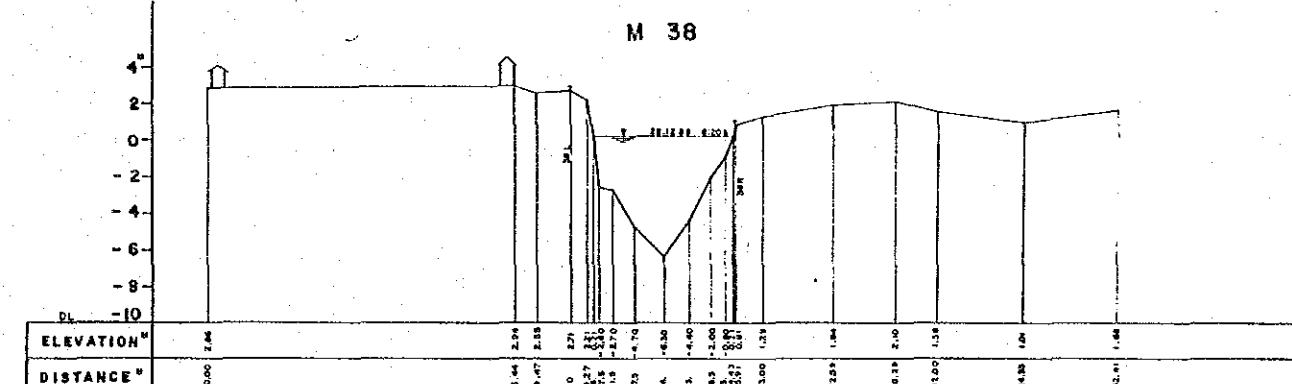
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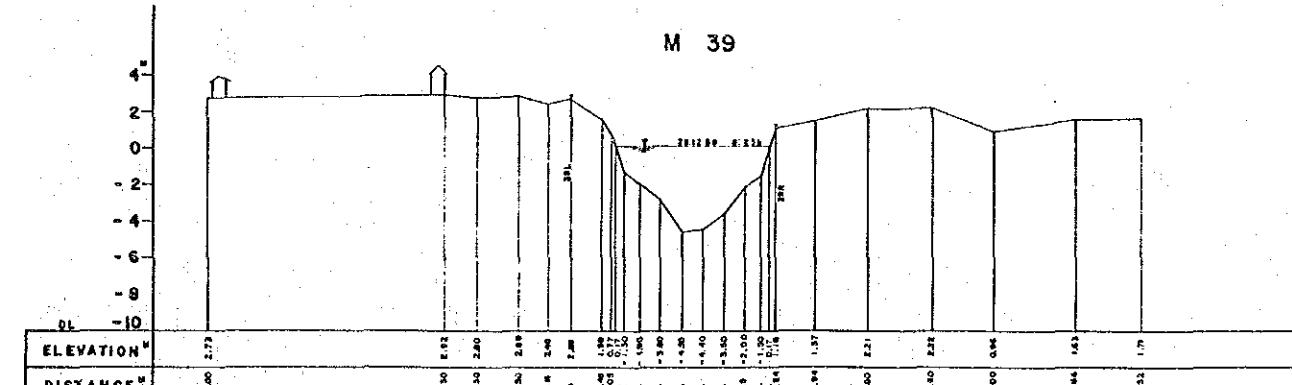
M 30



M 31

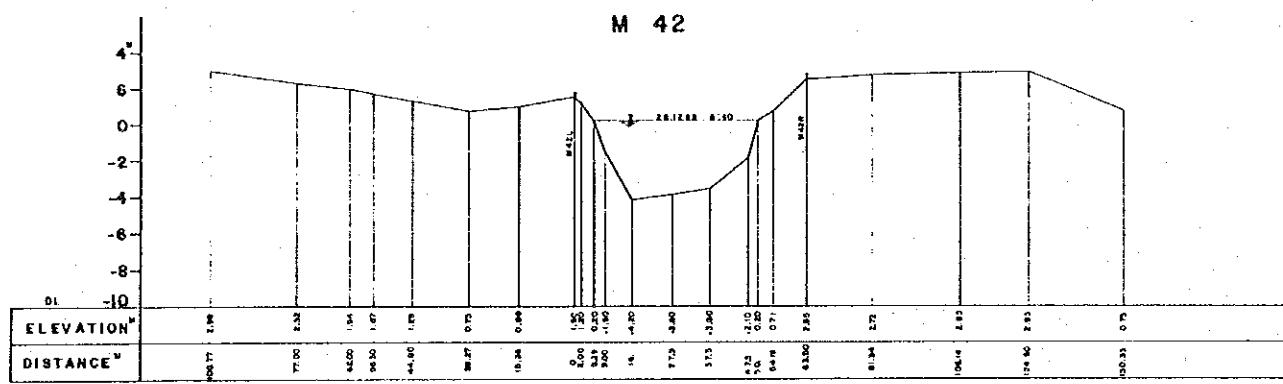
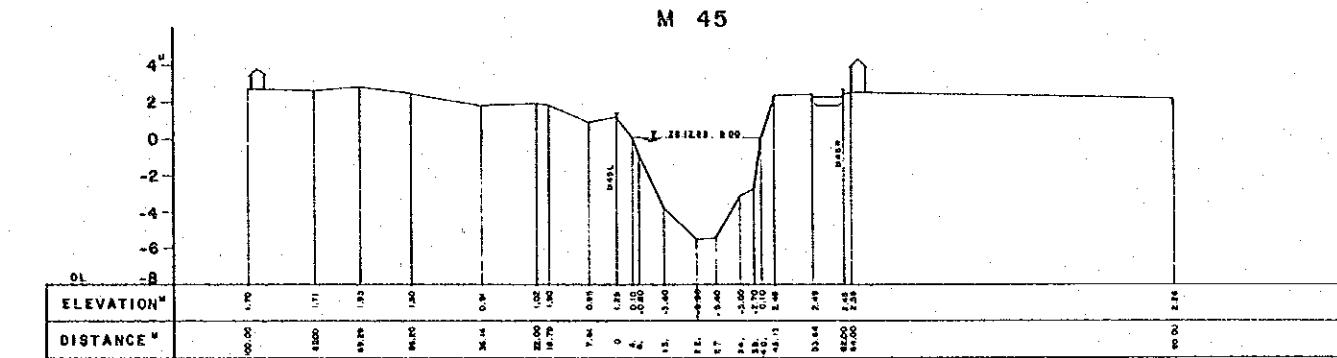
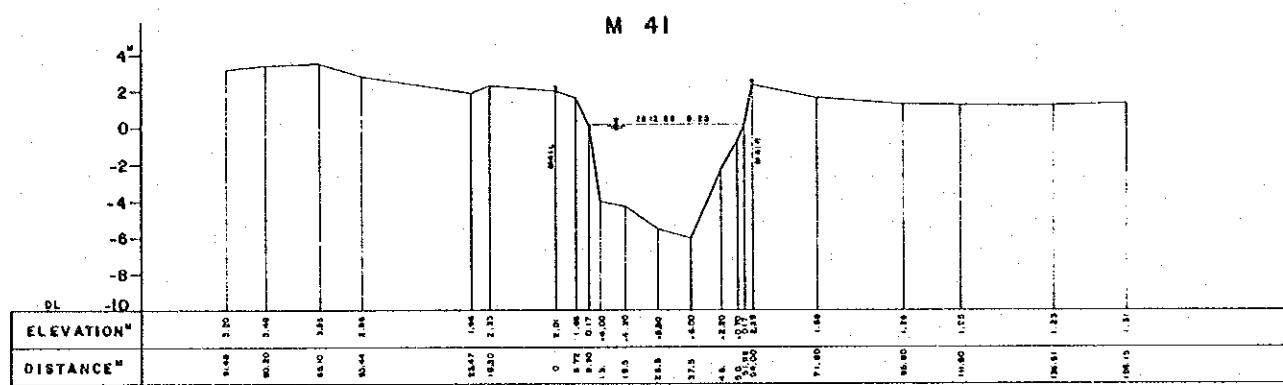
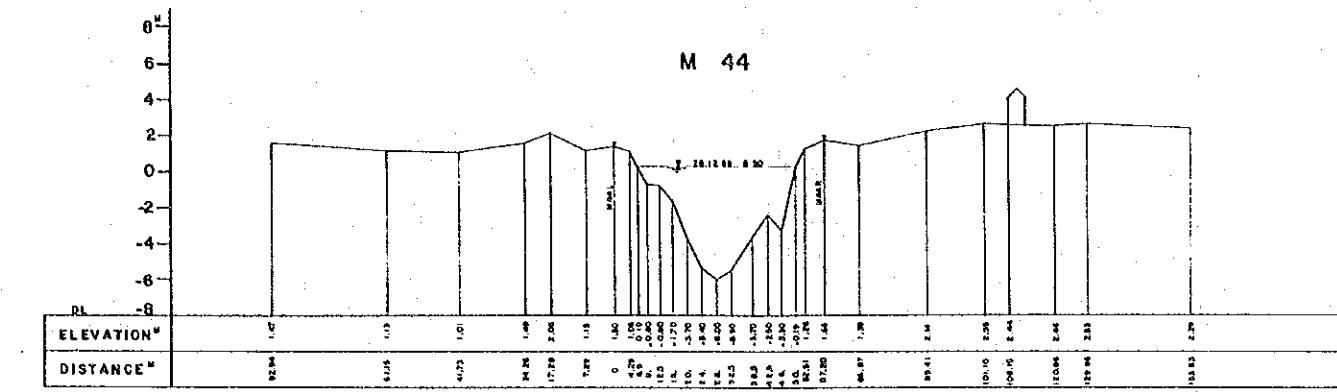
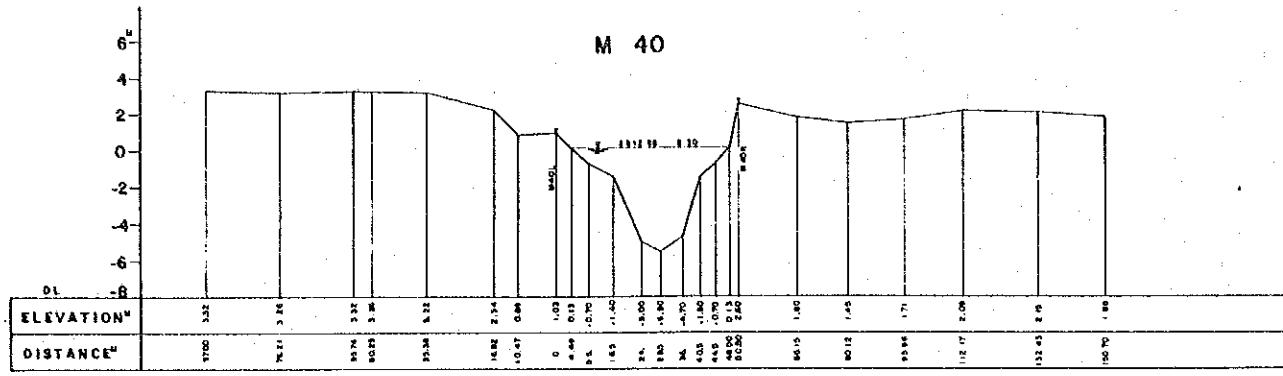


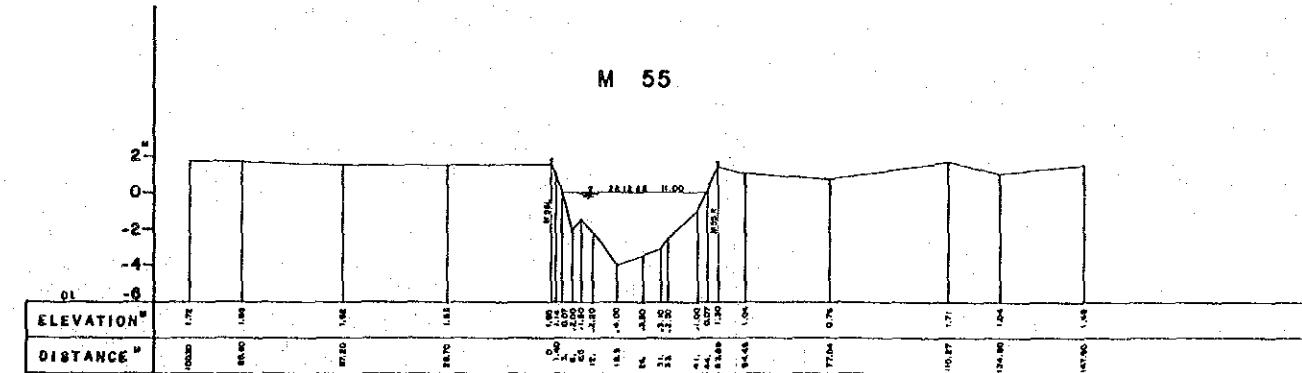
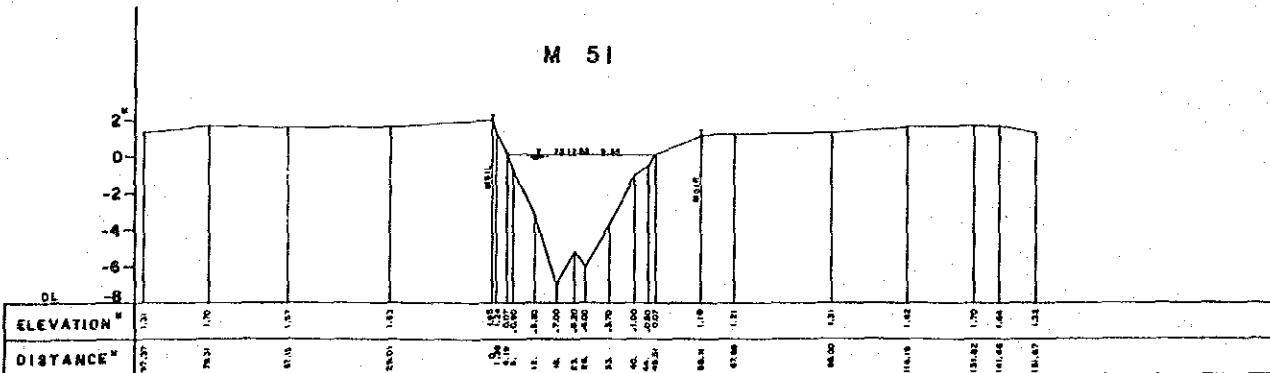
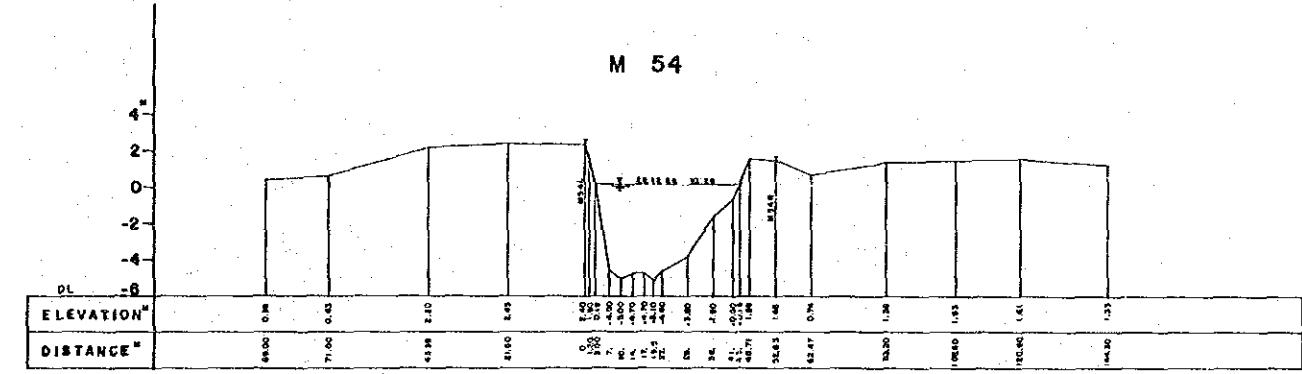
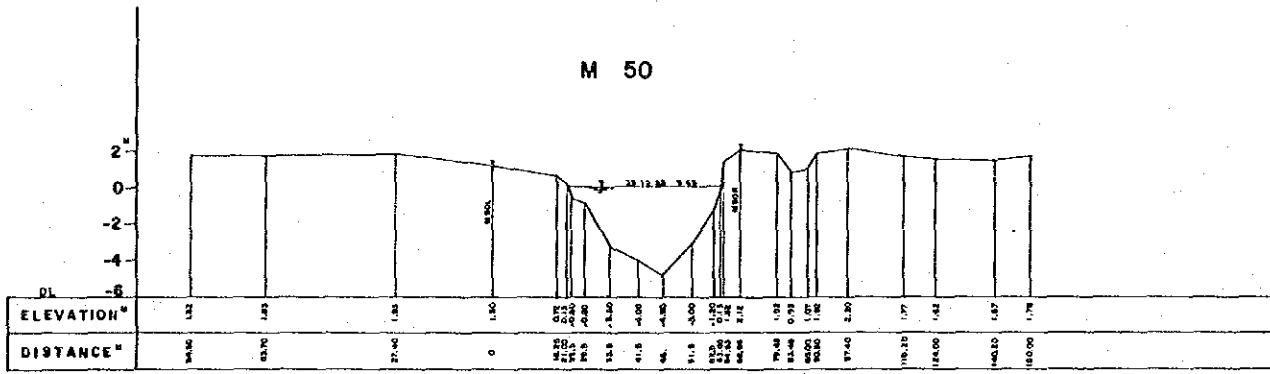
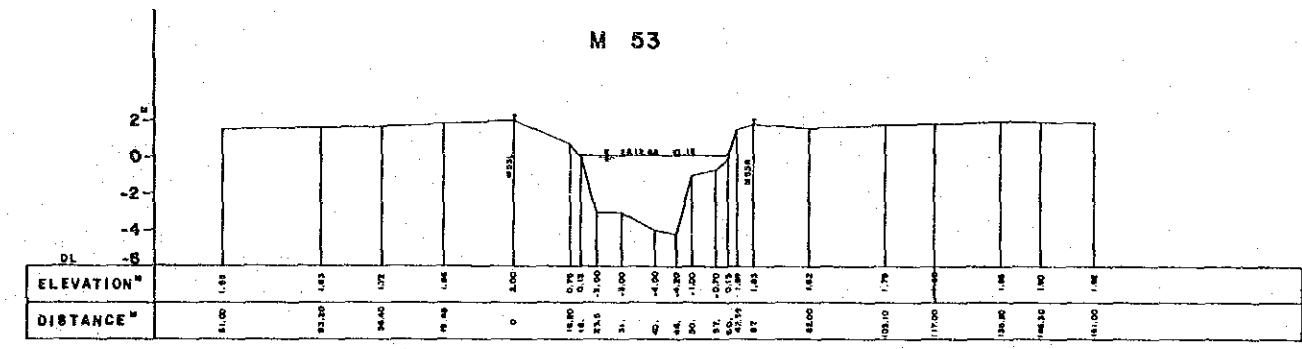
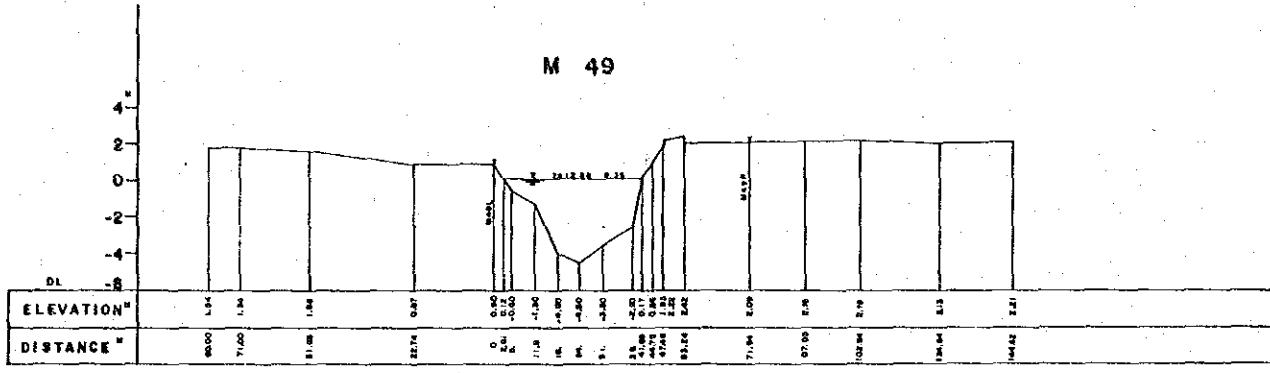
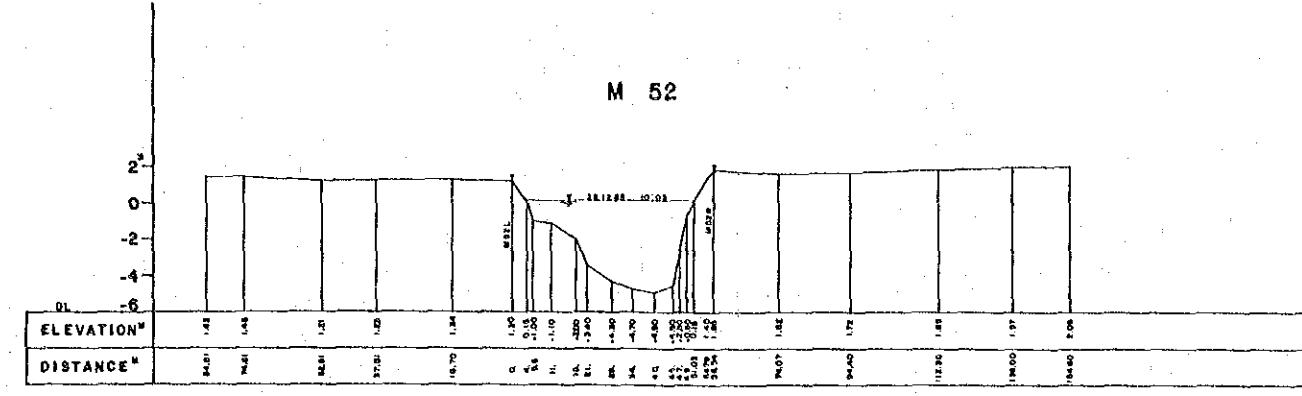
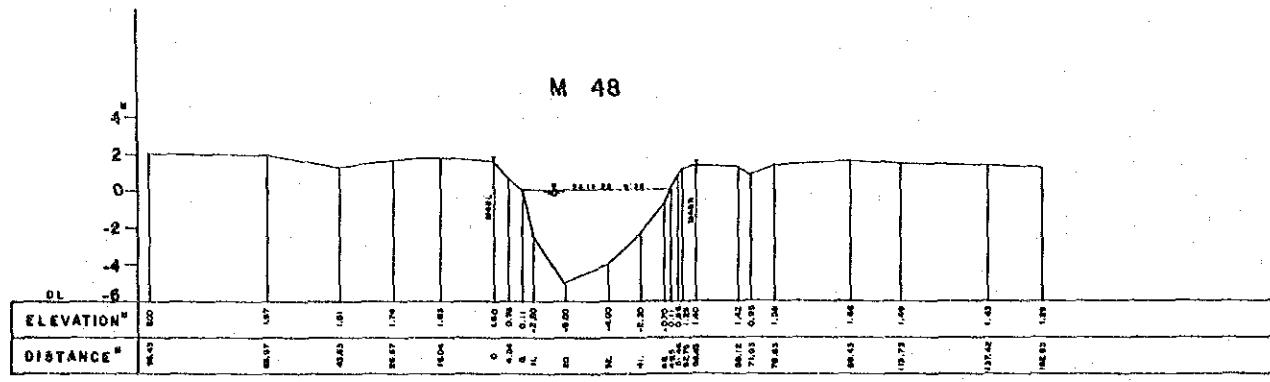
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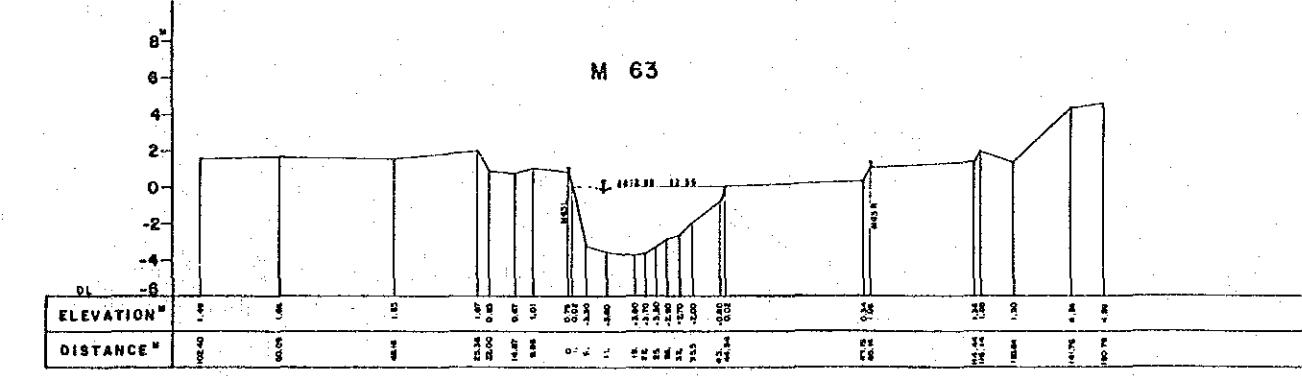
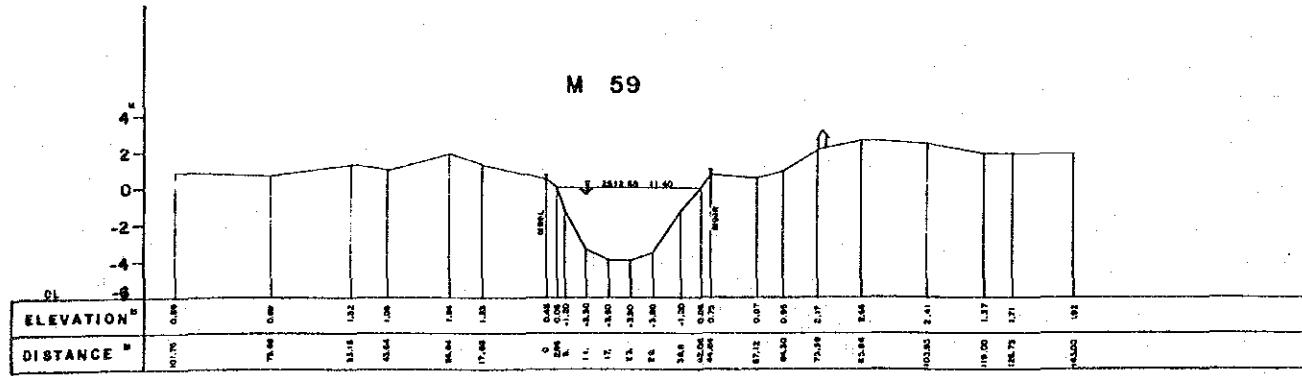
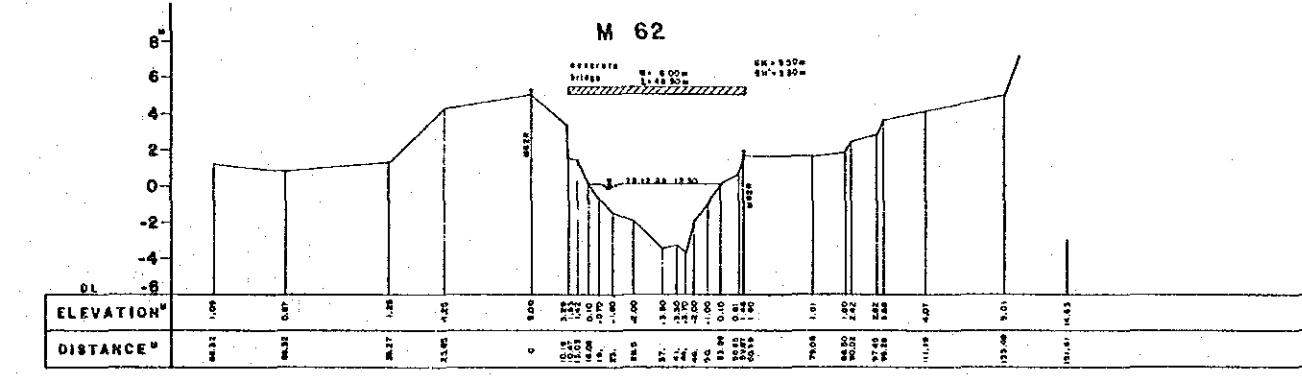
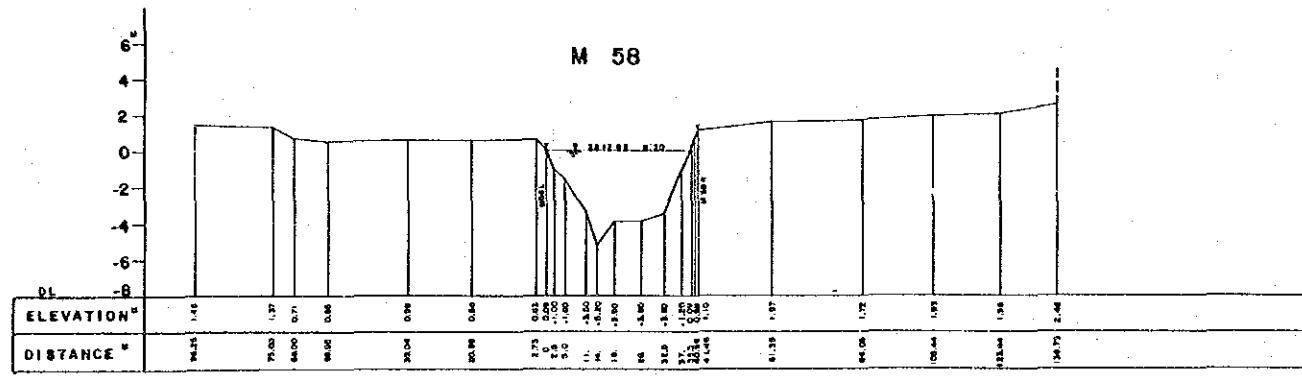
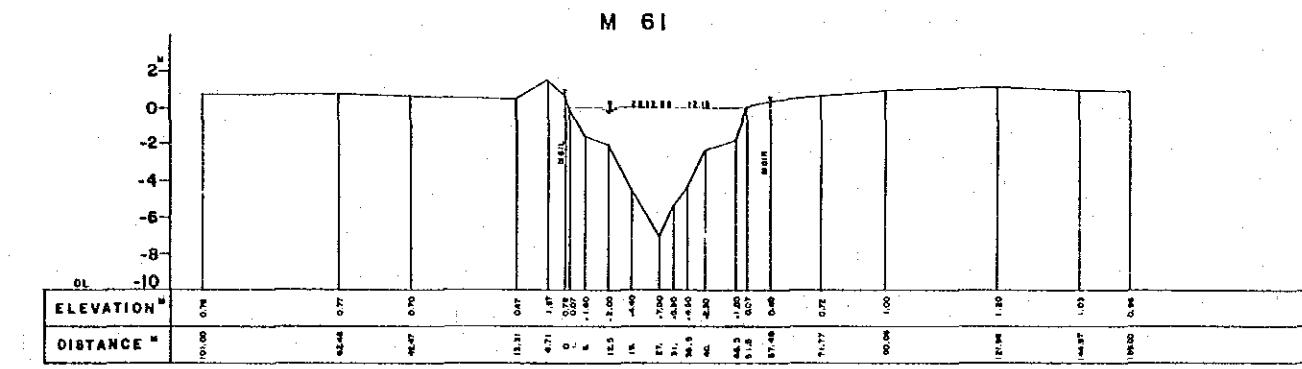
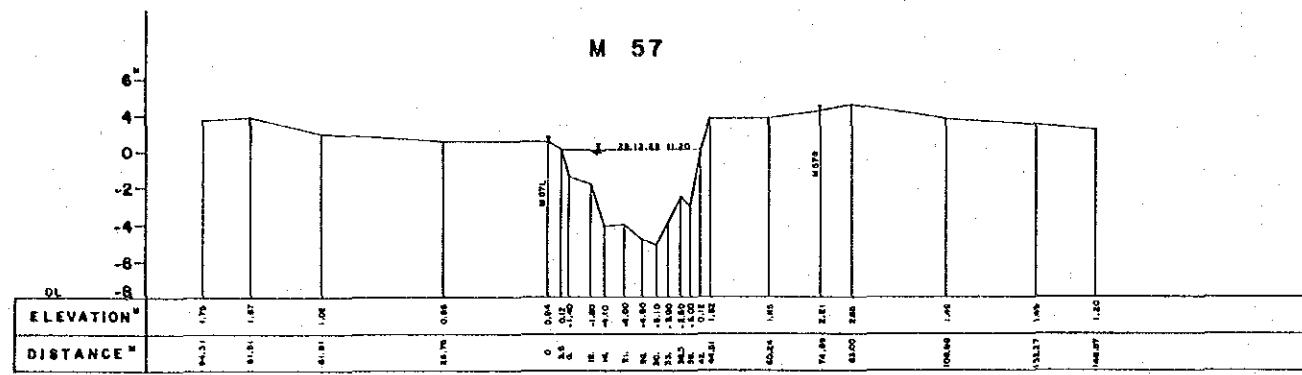
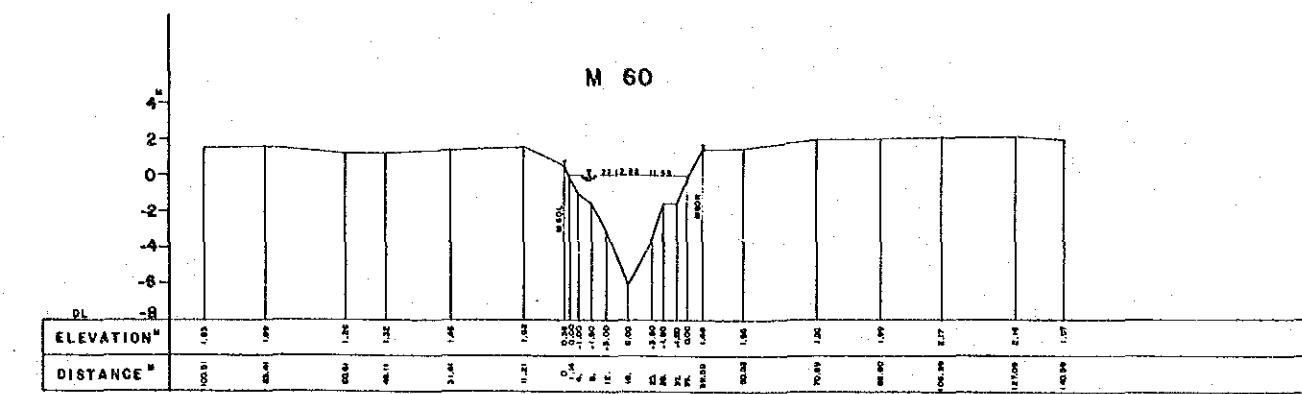
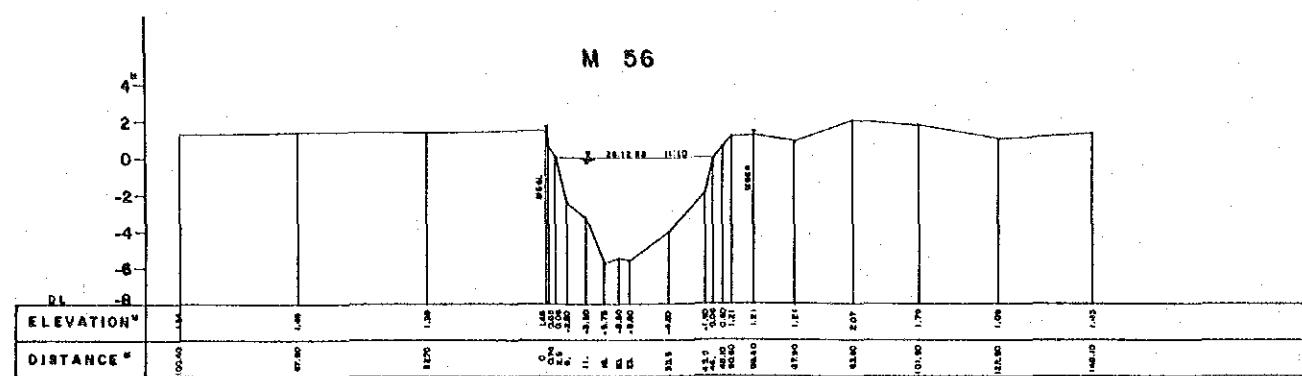
M 3

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN			
CROSS SECTION OF THE ITAJAI-MIRIM			
SHEET NO	OS. WITHIN OS		
SURVEIED DATE	1889-1		
JAPAN INTERNATIONAL COOPERATION AGENCY			
A.3.2.6			





THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN			
CROSS SECTION OF THE ITAJAI-MIRIM			
SHEET NO	07	WHICH IS	09
SURVEYED DATE	1989.1		
JAPAN INTERNATIONAL COOPERATION AGENCY			
A.3.2.8			



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN

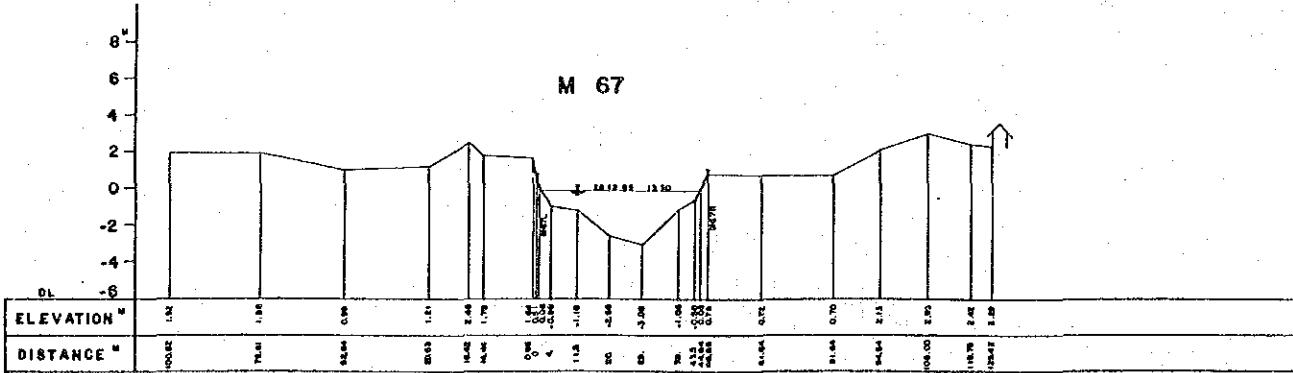
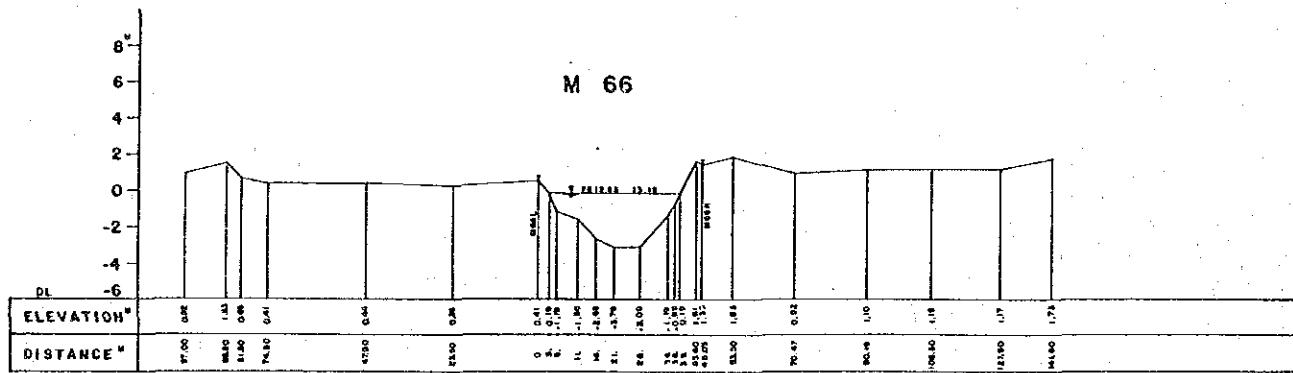
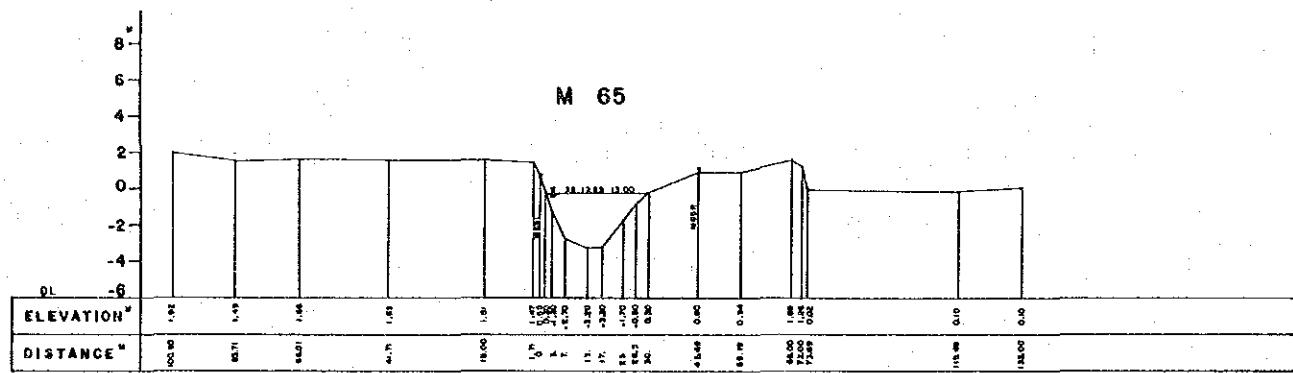
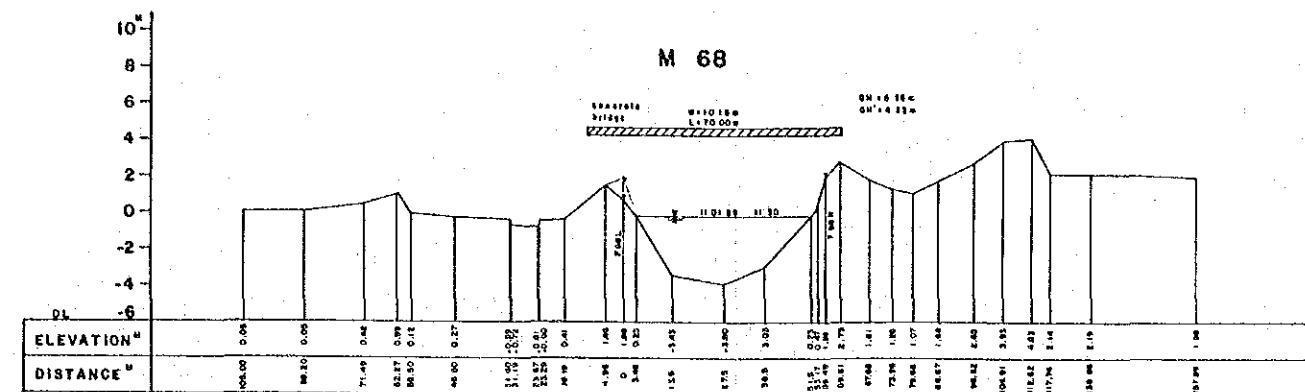
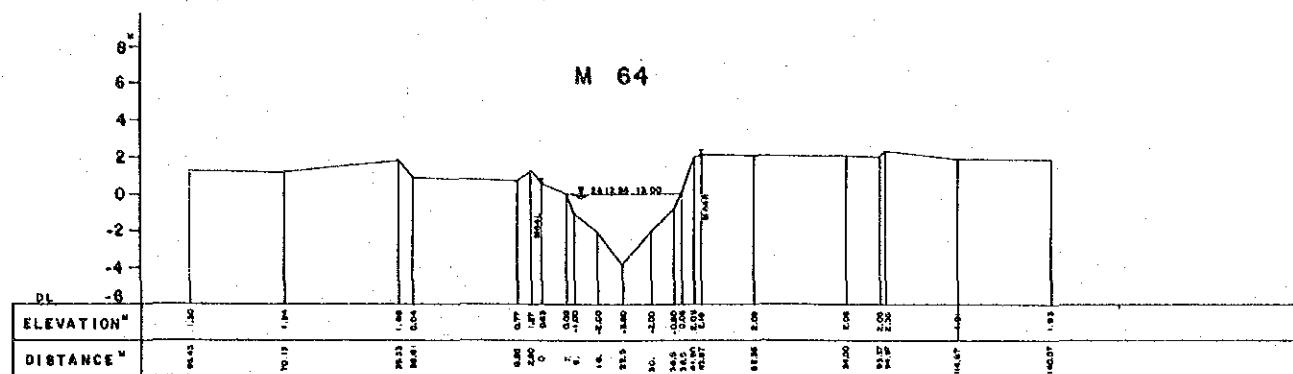
CROSS SECTION OF THE ITAJAI-MIRIM

SHEET NO. 08 WITHIN 08

SURVEYED DATE 1988.1

JAPAN INTERNATIONAL COOPERATION AGENCY

A.3.2.9



THE FLOOD CONTROL PROJECT IN THE LOWER ITAJAI RIVER BASIN			
CROSS SECTION OF THE ITAJAI-MIRIM			
SHEET NO.	09	WING	09
SURVEIED DATE	1989.1		
JAPAN INTERNATIONAL COOPERATION AGENCY			
A.3.2. 10			

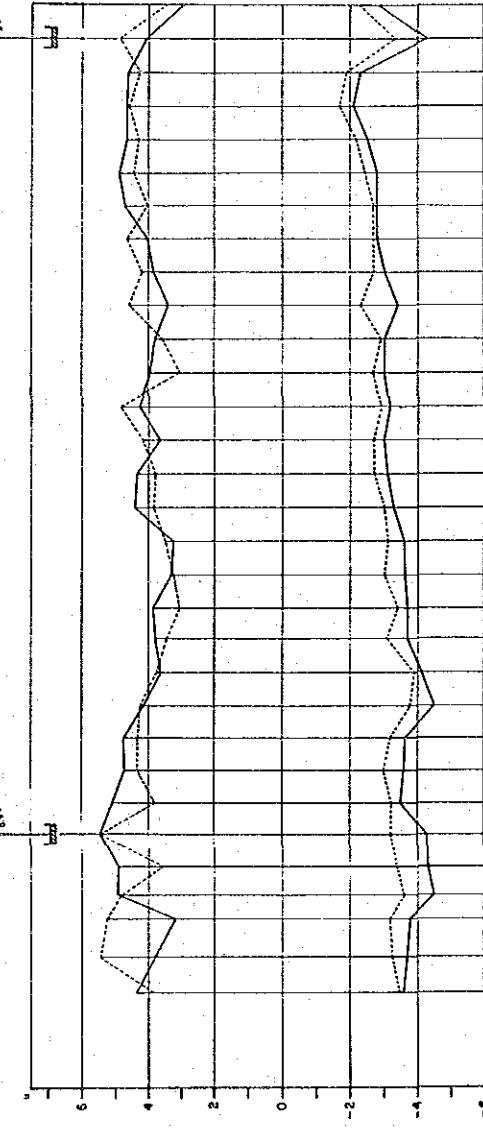
A.3.3 *Itajai Mirim* short-cut channel

THE FLOOD CONTROL PROJECT

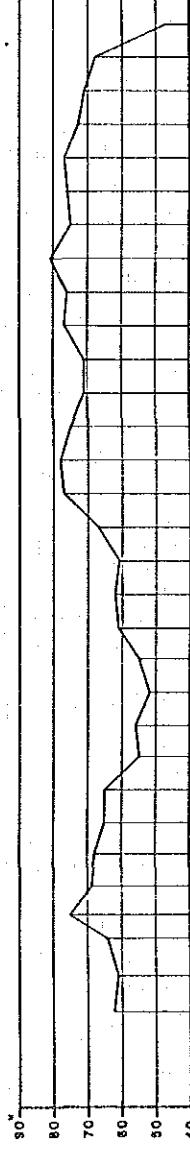
IN THE LOWER ITAJAI RIVER BASIN
PROFILE OF THE MIRIM - CANAL

SHEET NO.	W.M.B.
SURVEYED DATE	1980.1
JAPAN INTERNATIONAL COOPERATION AGENCY	
TERRA FOTO S.A. (SURVEYOR)	

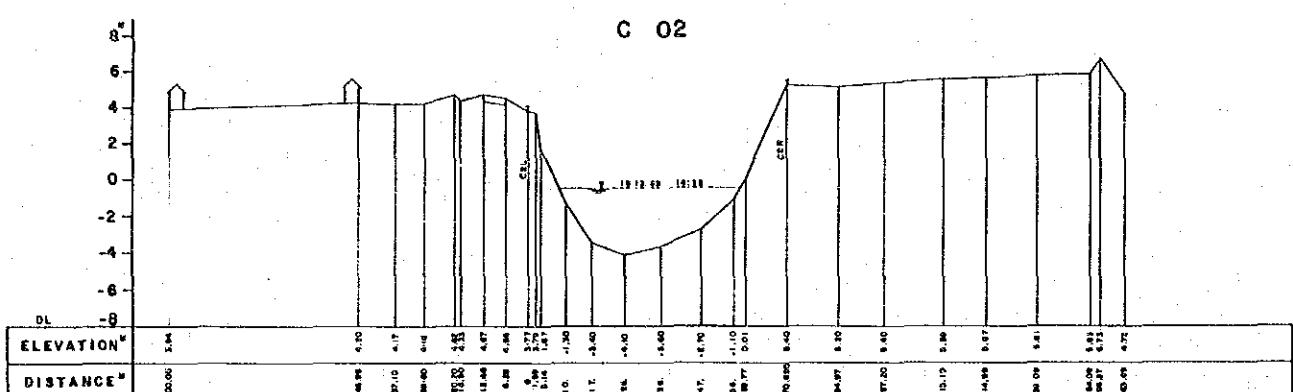
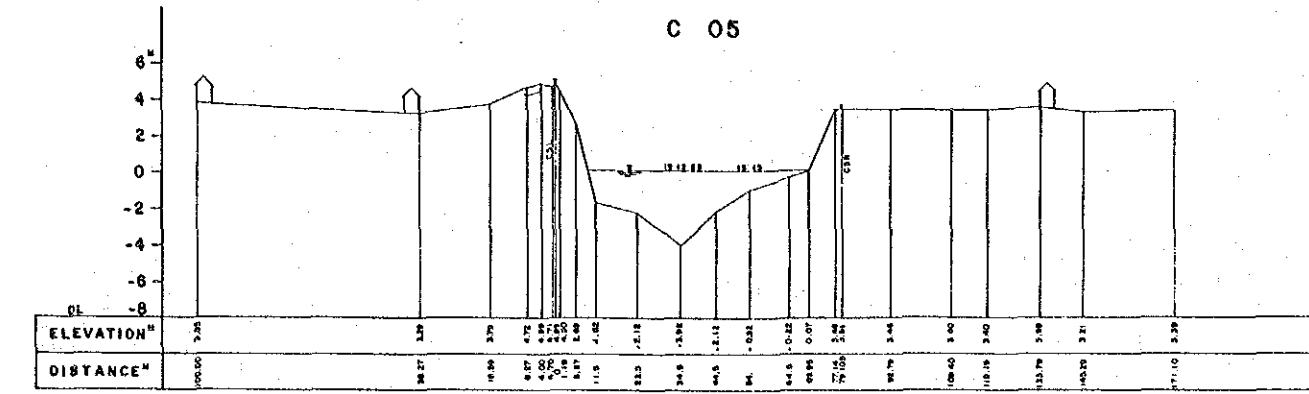
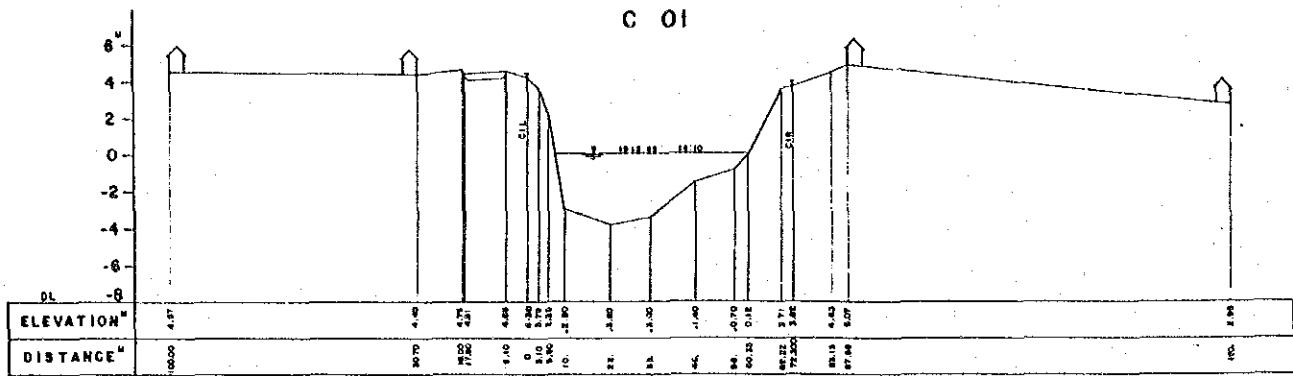
SECTION MIRIM - CANAL
Mile 12.25 River Mouth
Left Bank



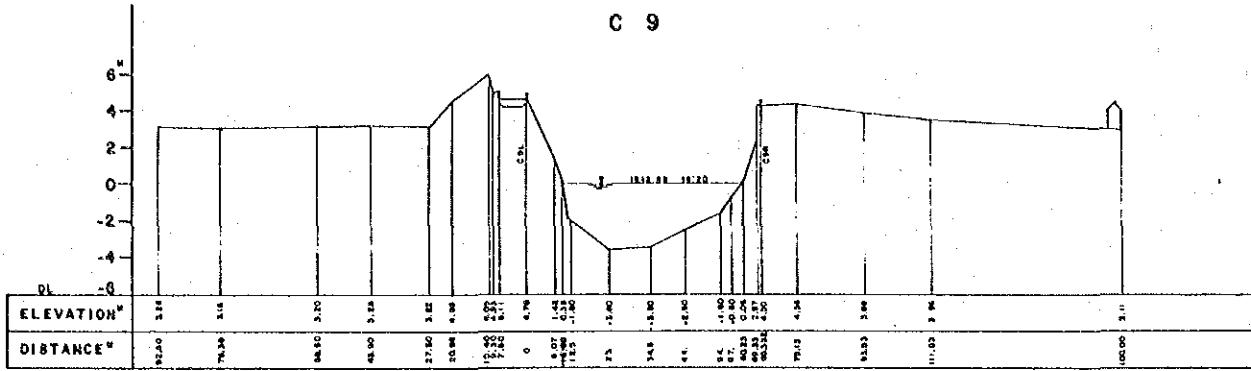
RIGHT BANK "G.H."	
LEFT BANK G.H.	
LOWEST RIVERBED G.H.	
AVERAGE G.H.	
RIVERBED G.H.	
DISTANCE FROM RIVER MOUTH	
SINGLE DISTANCE	
RIVER WIDTH	
NO. OF CROSS SECTION	



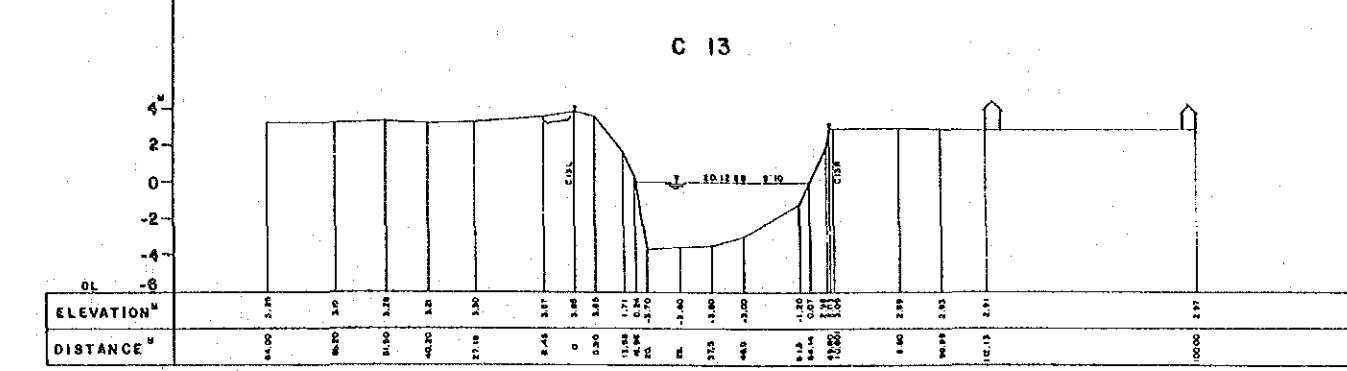
A.3.3. 1



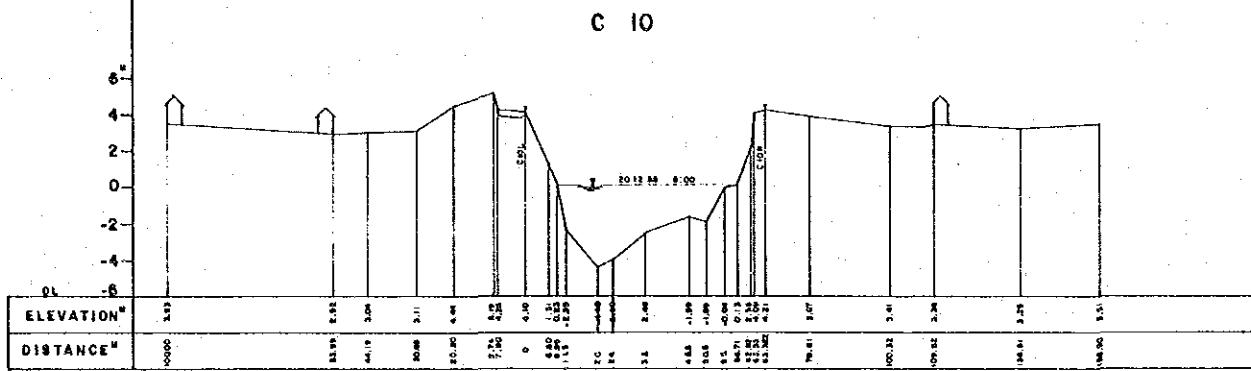
C 9

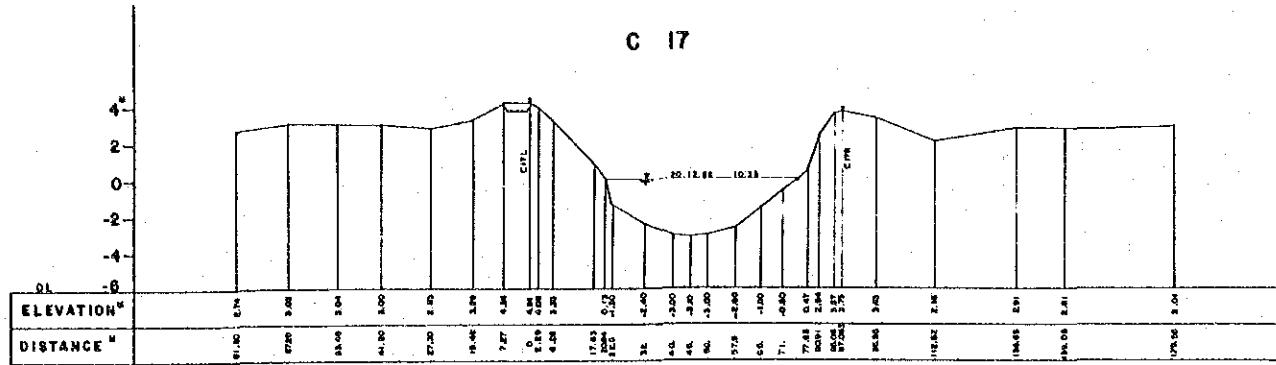


C 13

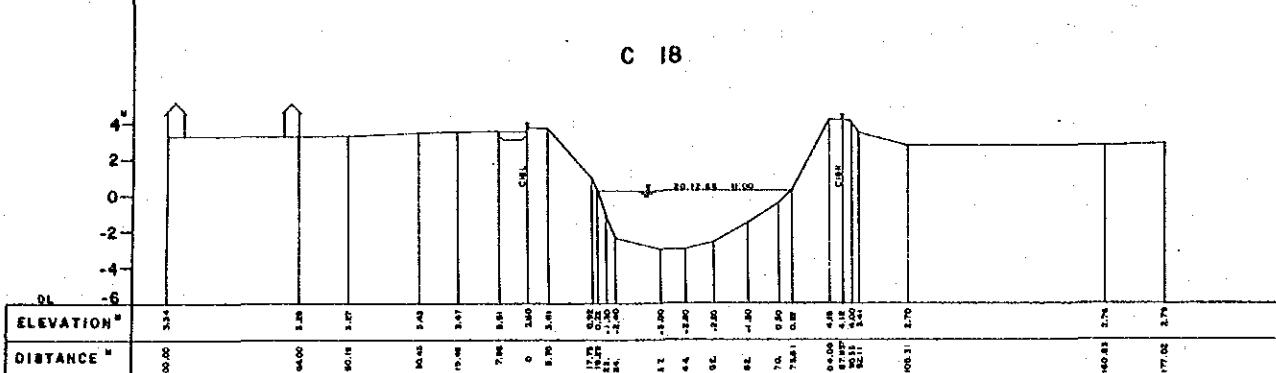


C 10

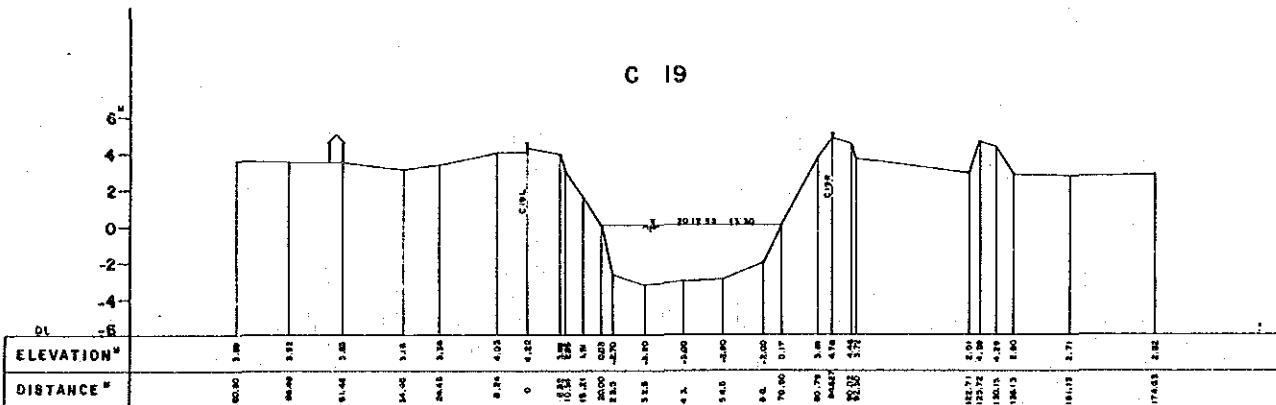




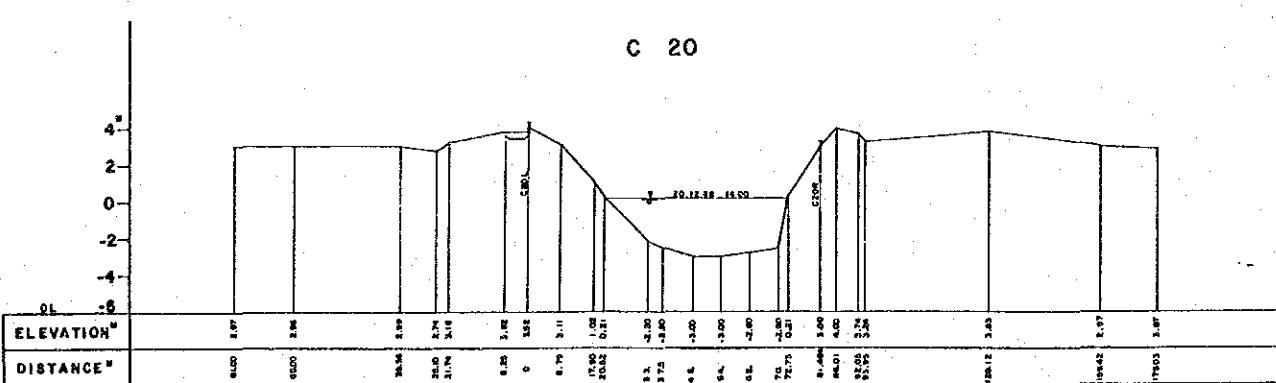
C 17



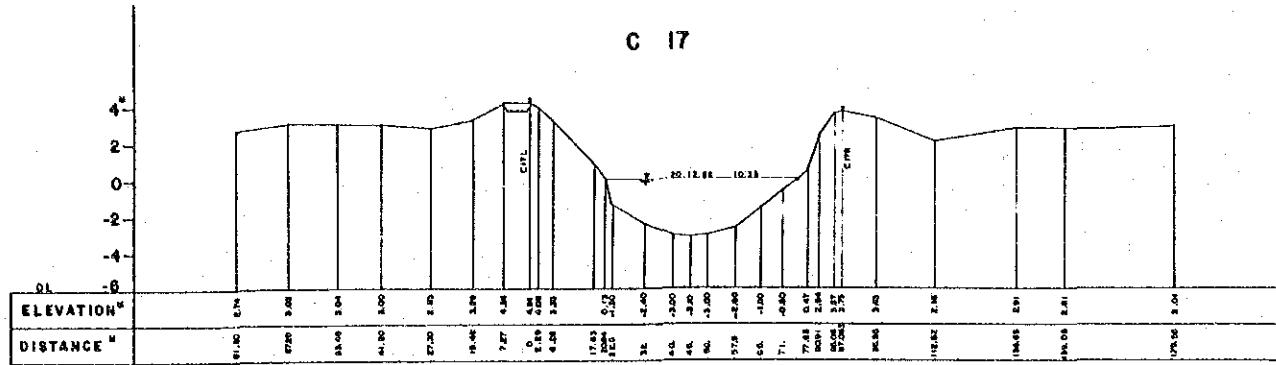
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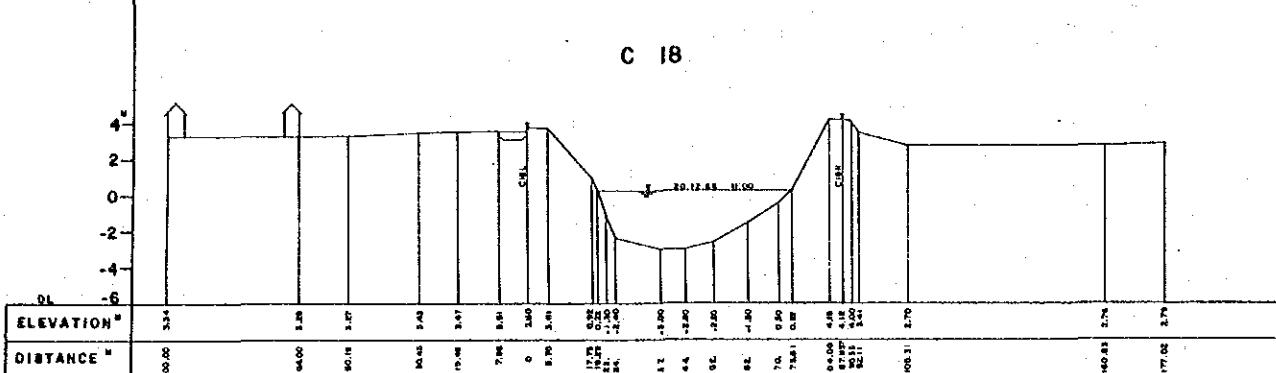
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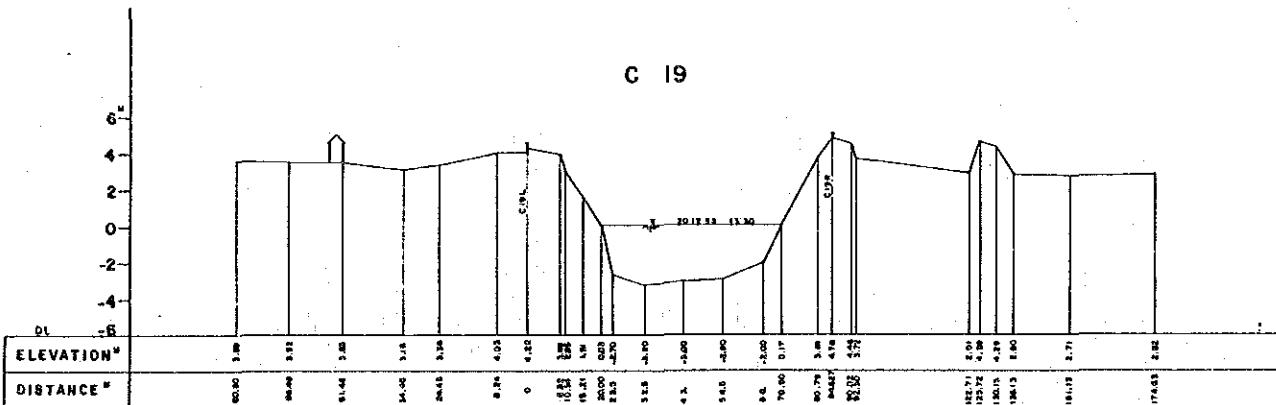
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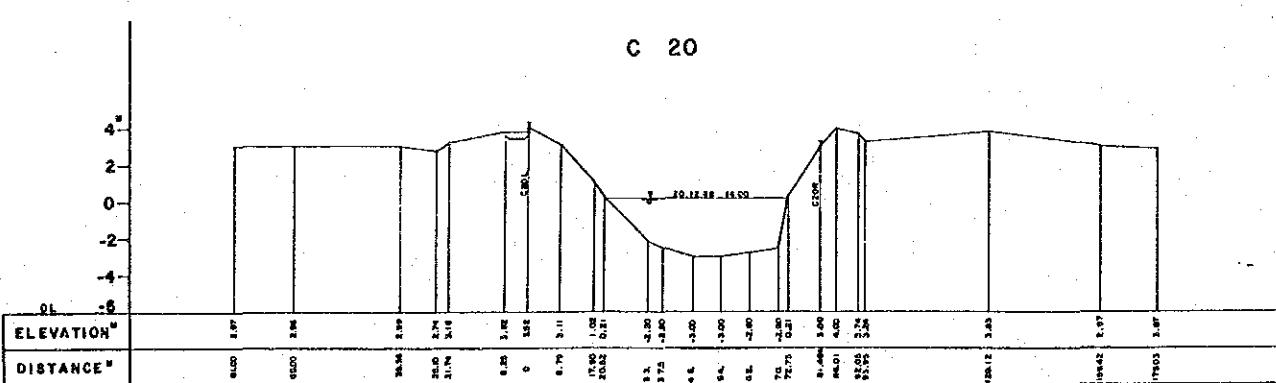
C 2



c 2



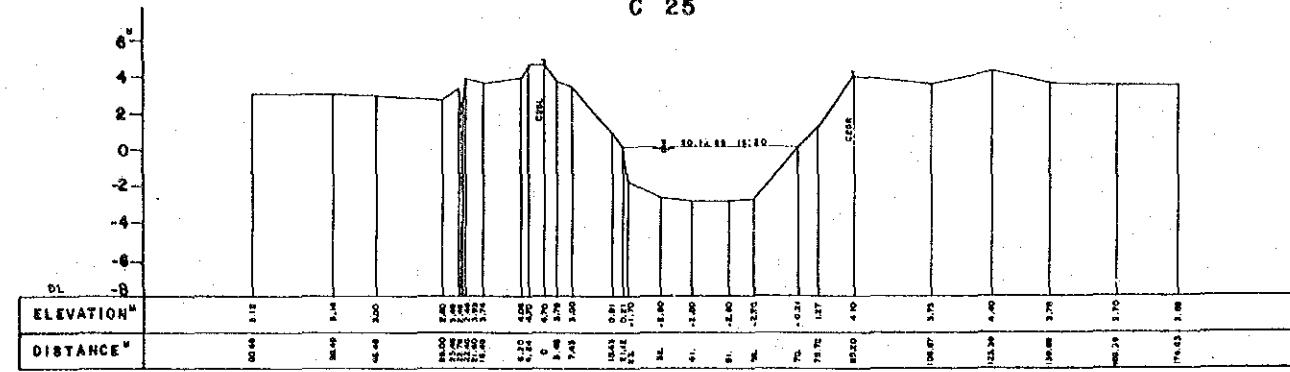
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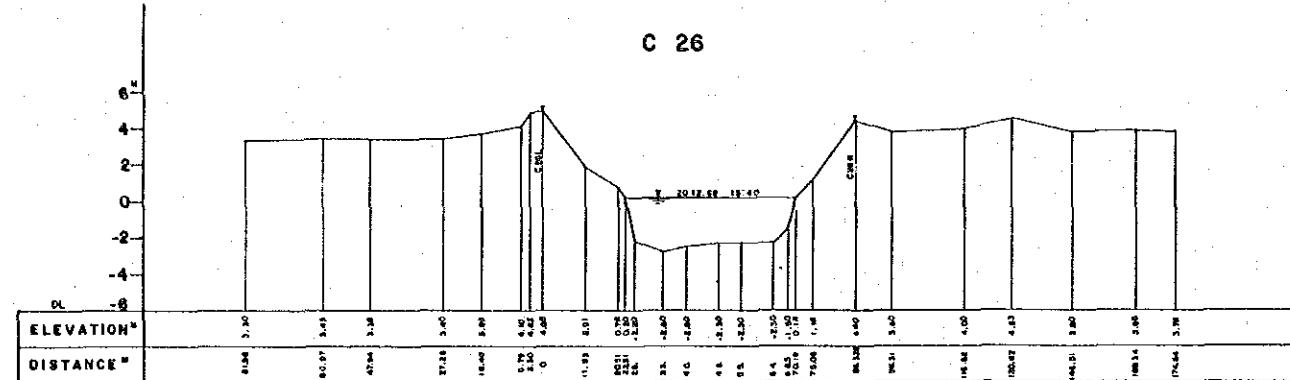
C

THE FLOOD CONTROL PROJECT IN THE LOWER ITAJI RIVER BASIN				
CROSS SECTION OF THE MIRIN-CANAL				
SHEET NO	03	WININ	04	
SURVEYED DATE	1989.1			
JAPAN INTERNATIONAL COOPERATION AGENCY				
A.3.3. 4				

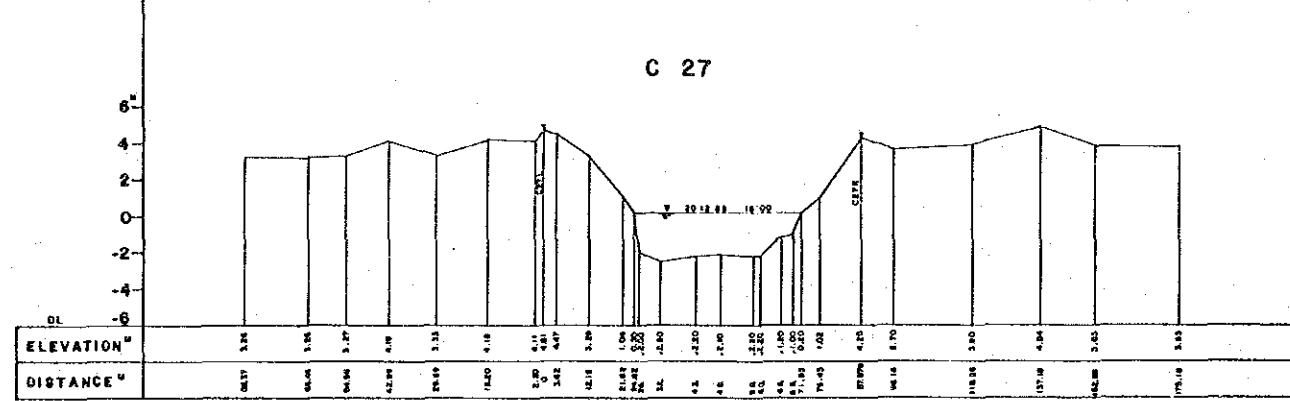
C 25



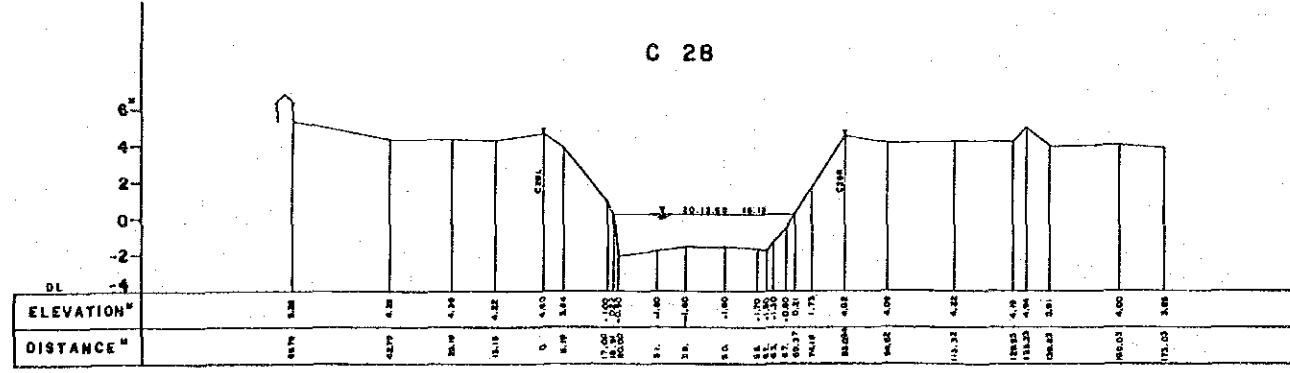
C 26



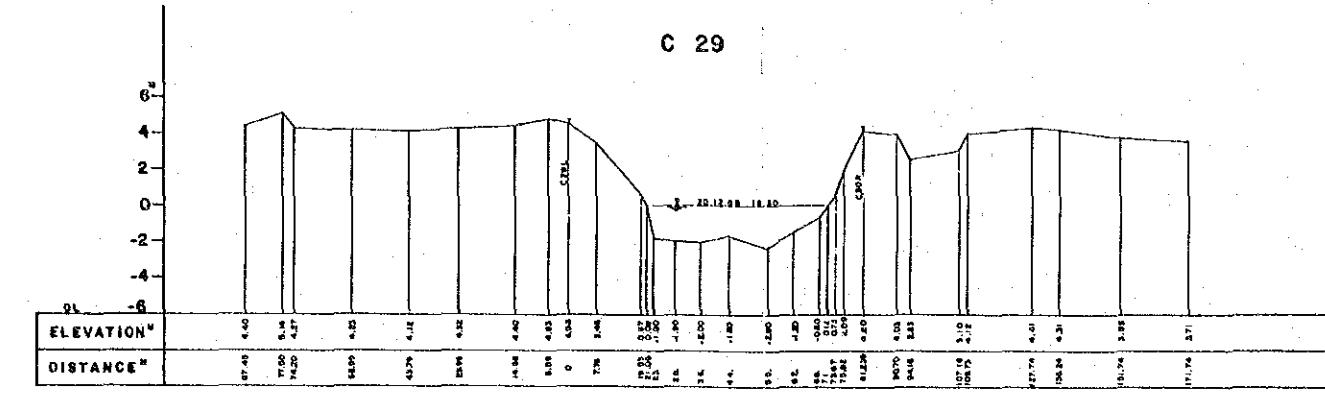
C 27



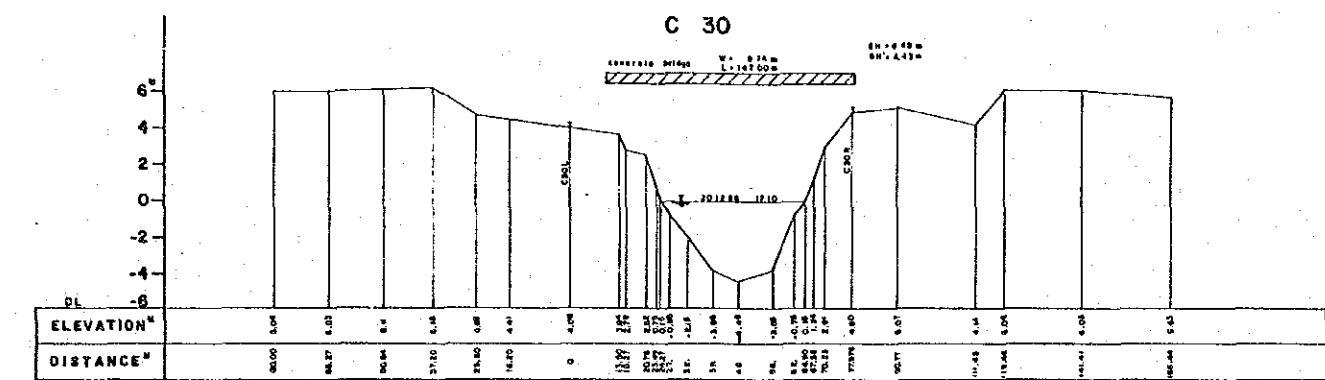
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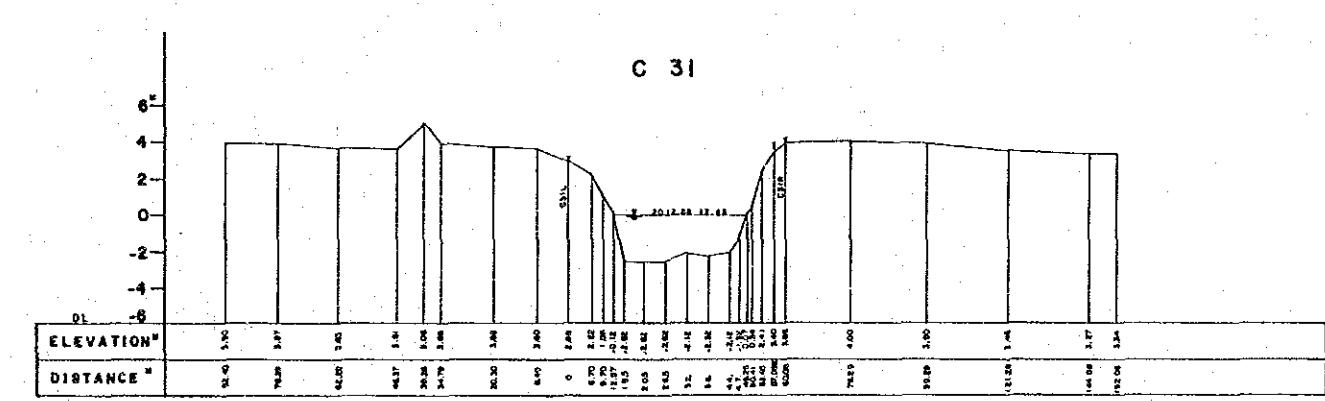
C 29



C 30



C 31

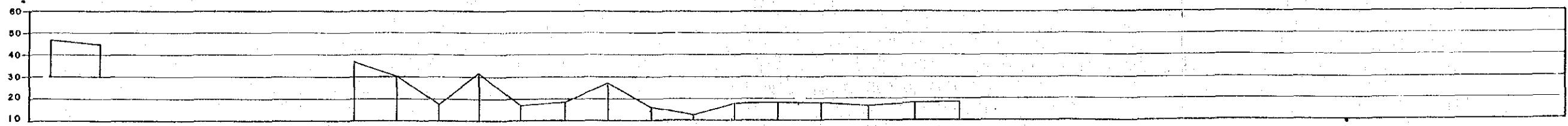
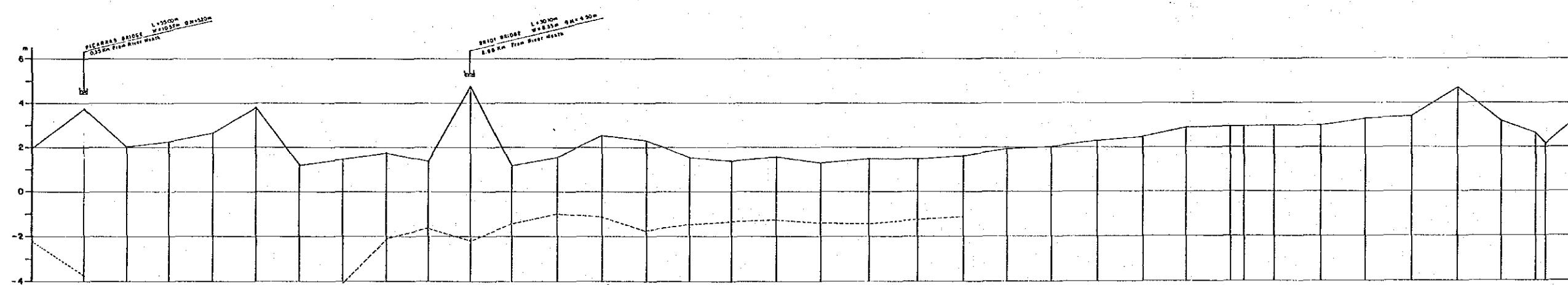


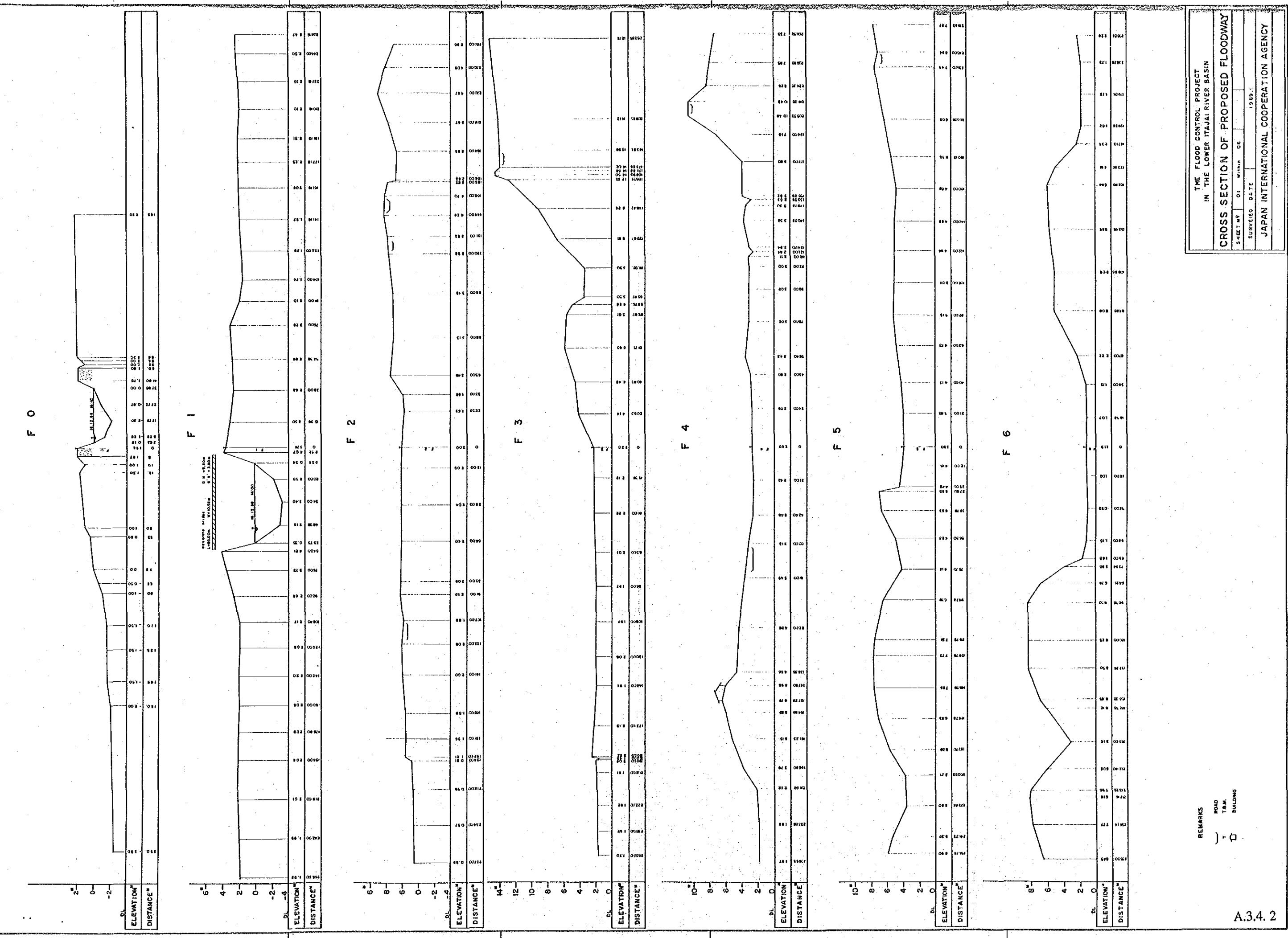
A.3.4 *Floodway route to Piçarras coast*

**THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN**

PROFILE OF PROPOSED FLOODWAY

EY NO	WILMIA	
REVIEWED	DATE	1989.1
JAPAN INTERNATIONAL COOPERATION AGENCY		

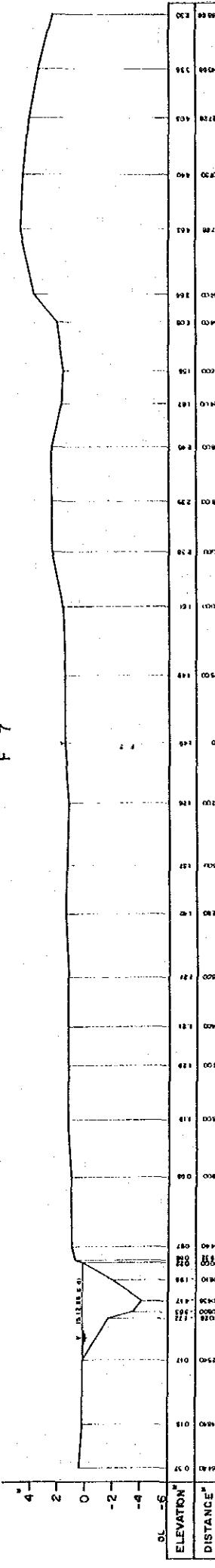




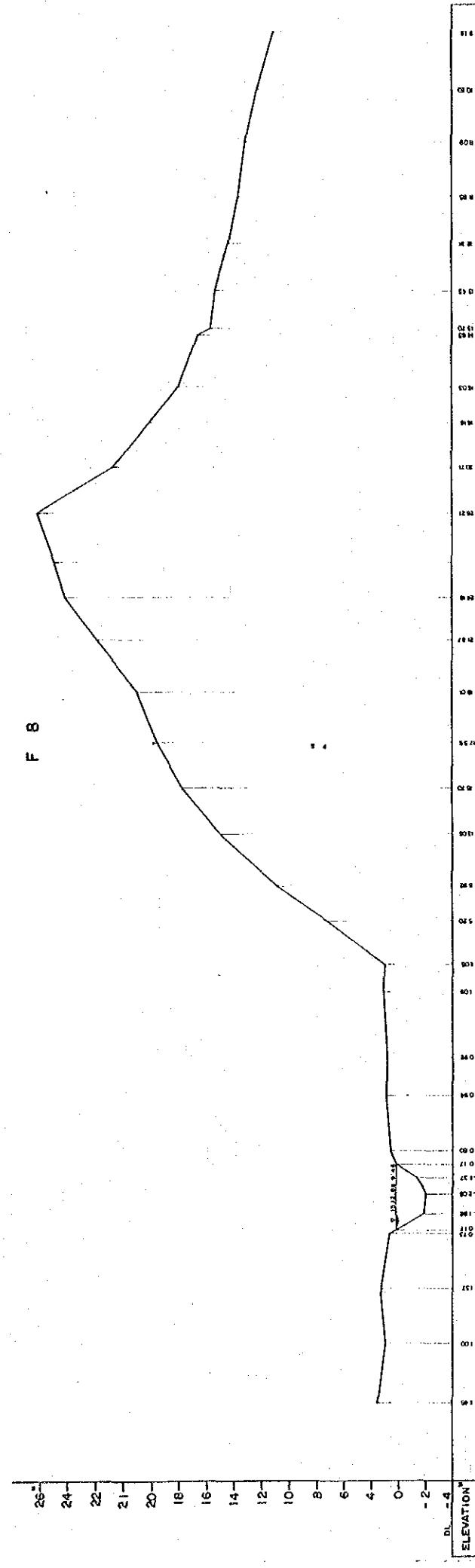
THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF PROPOSED FLOODWAY

STREET NO	01	WATER NO	06	DATE	1969.1
SURVEYED DATE					
JAPAN INTERNATIONAL COOPERATION AGENCY					

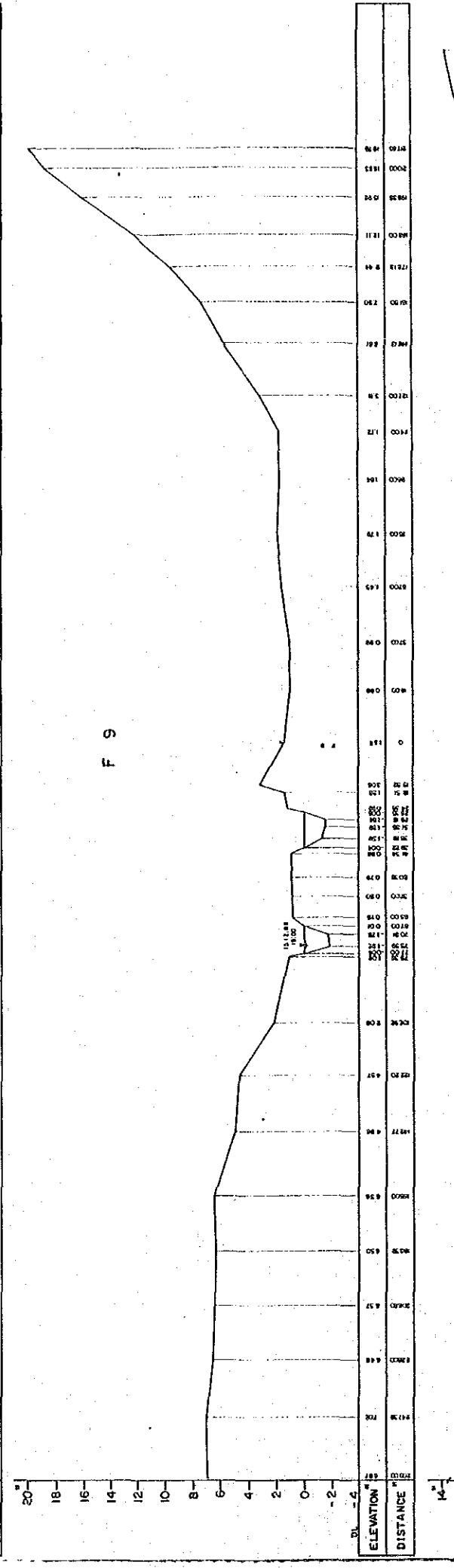
F 7



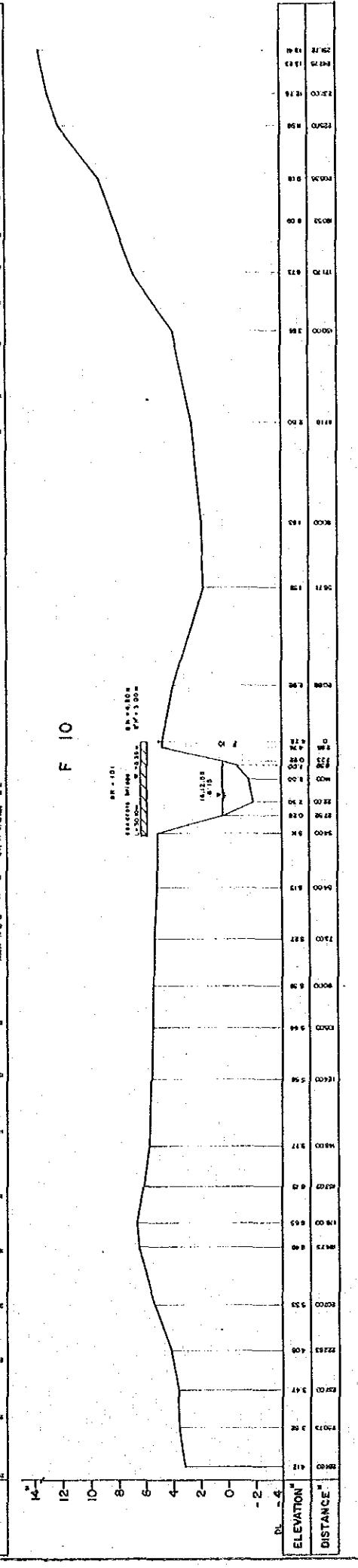
F 8



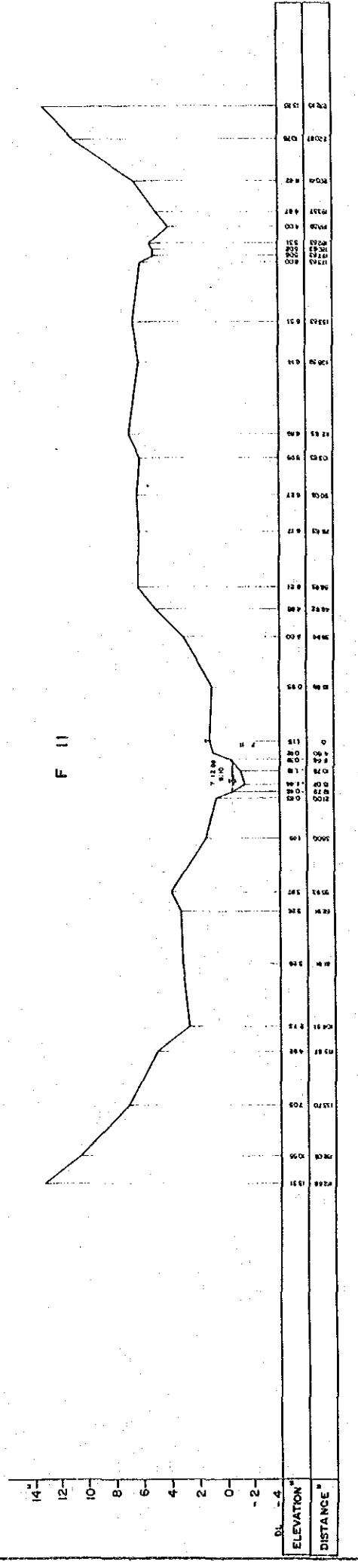
F 9



F 10

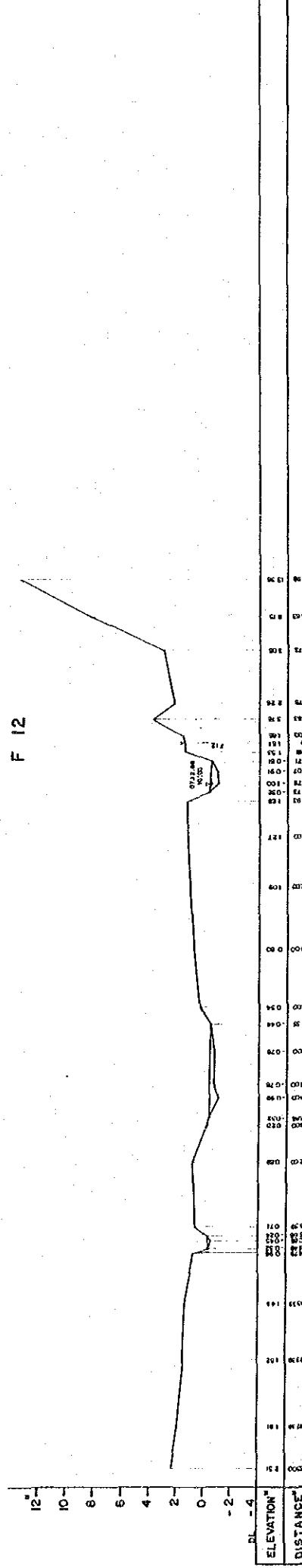


F 11

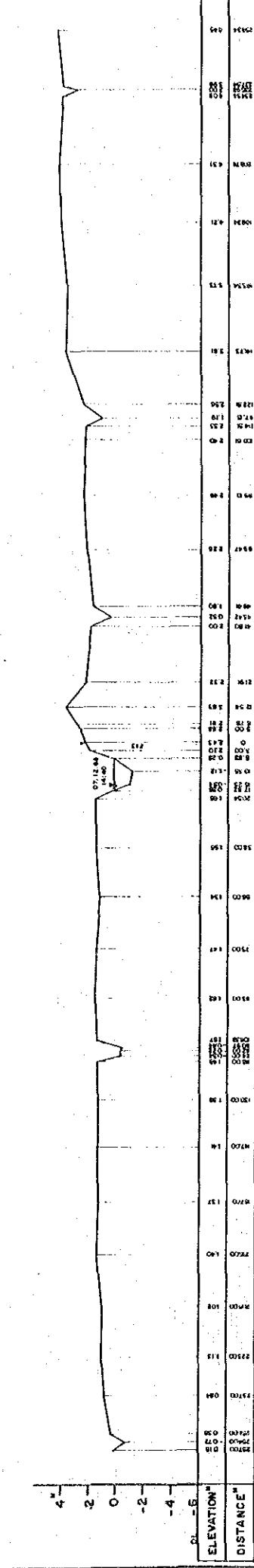


THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJAI RIVER BASIN
CROSS SECTION OF PROPOSED FLOODWAY
SECTION NO. C2 Width 06
SURVEYED DATE 1955.1
JAPAN INTERNATIONAL COOPERATION AGENCY

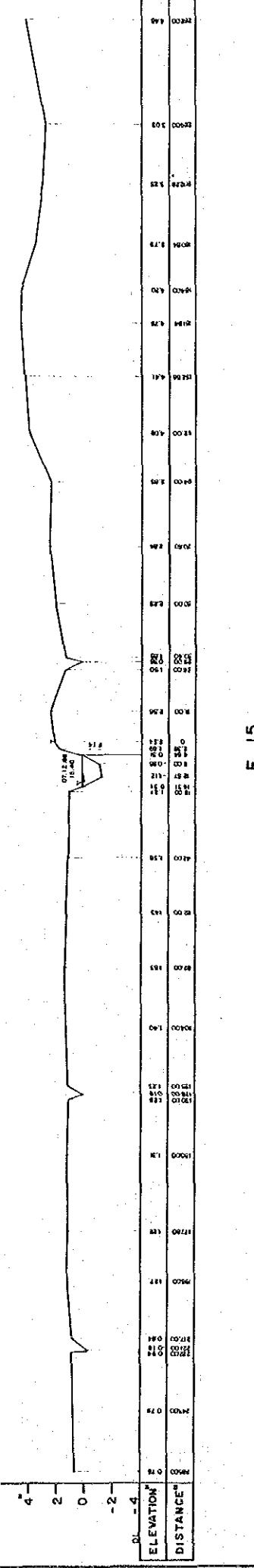
F 12



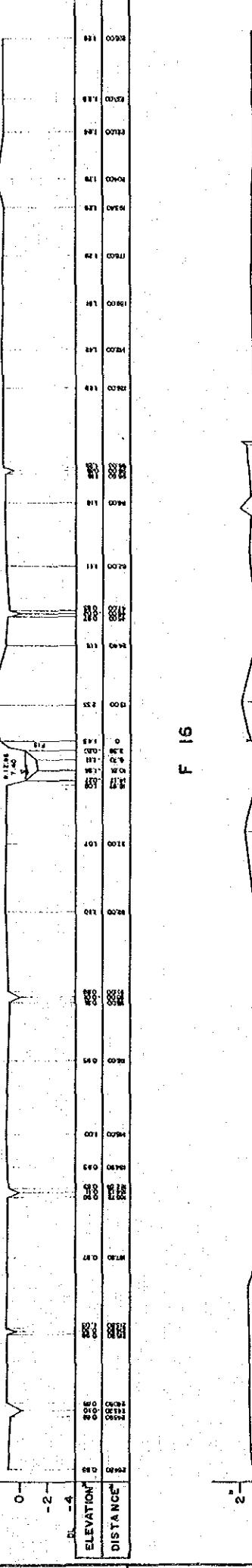
F 13



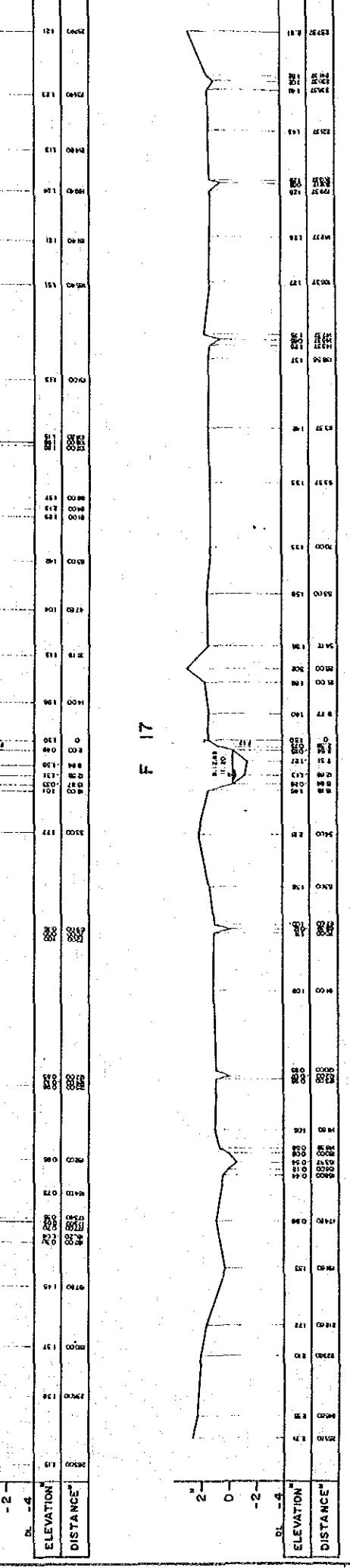
F 14



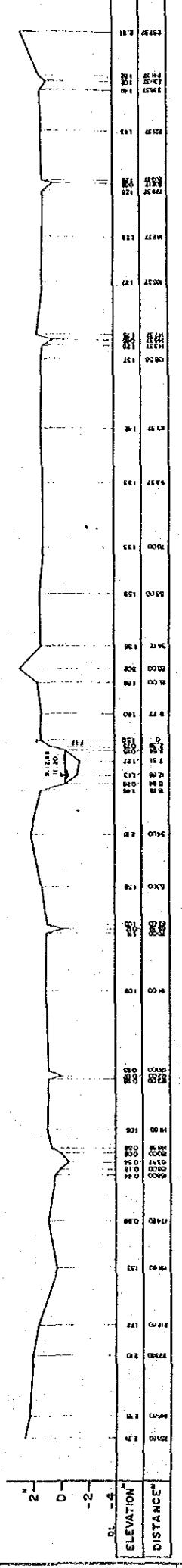
F 15



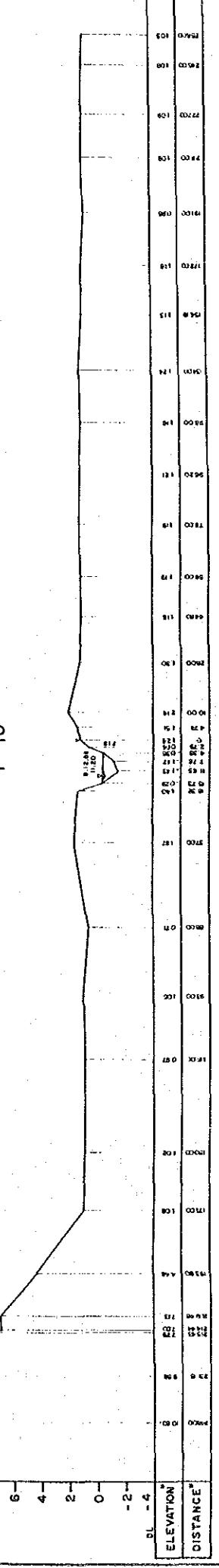
F 16



F 17



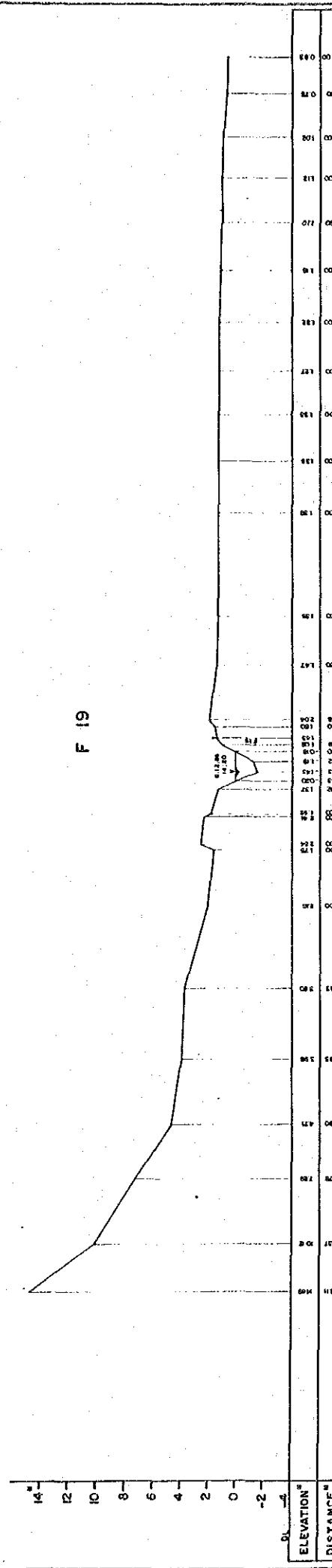
F 18



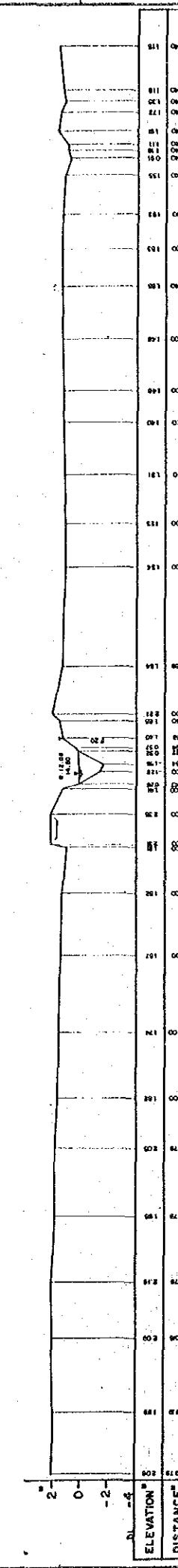
A.3.4.4

THE FLOOD CONTROL PROJECT
IN THE LOWER ITAI RIVER BASIN
CROSS SECTION OF PROPOSED FLOODWAY
SHEET NO. OS. W

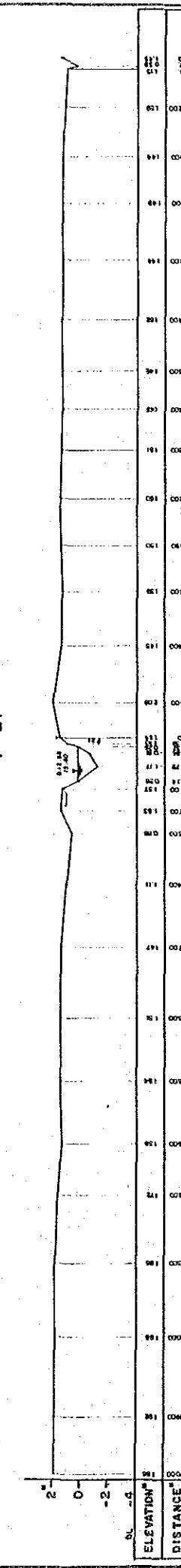
F 19



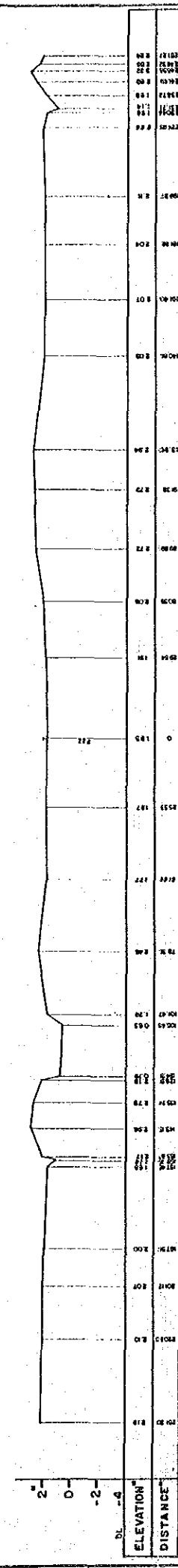
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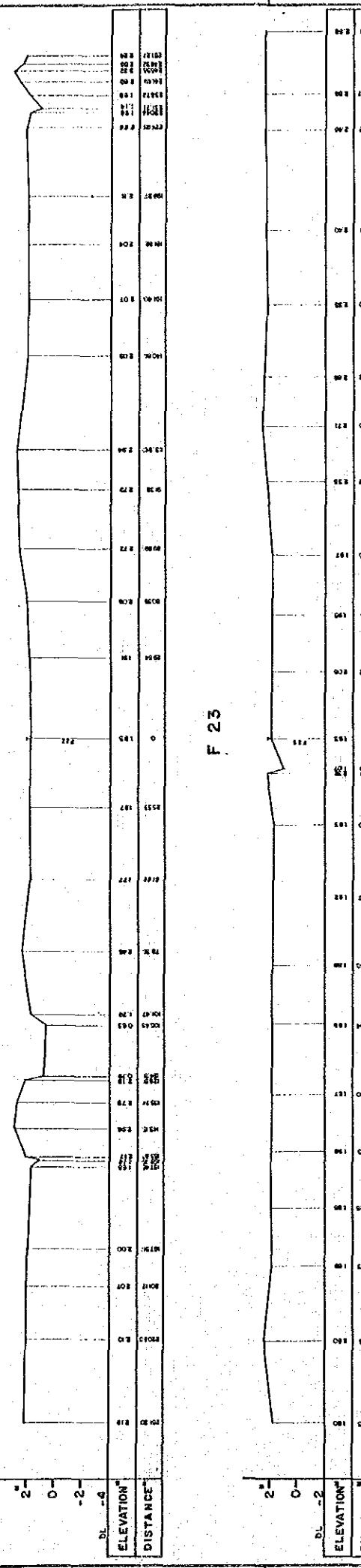
F 21



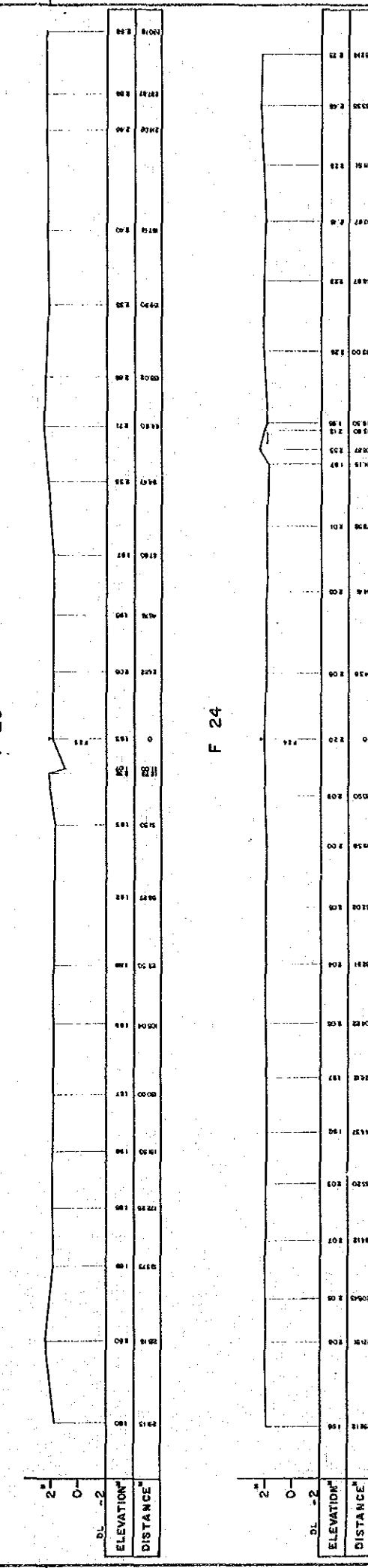
F 22



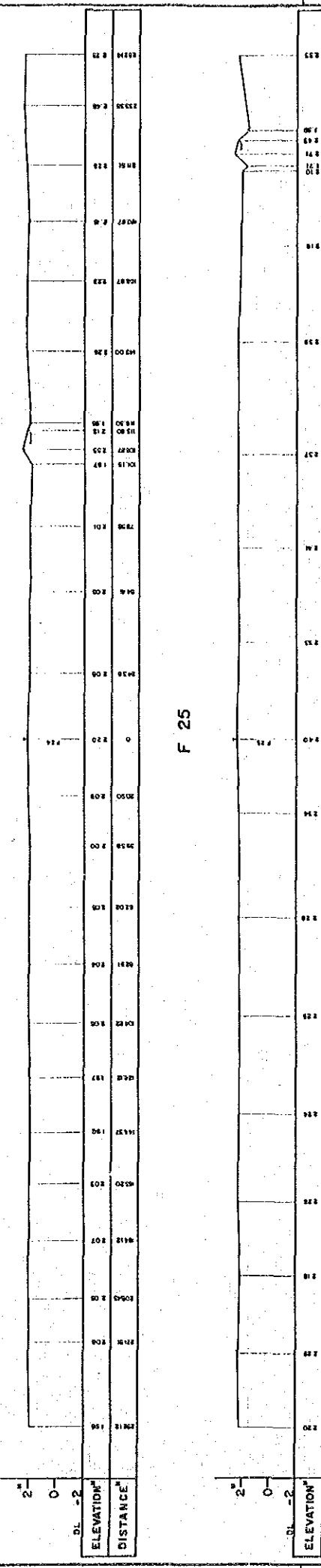
F 23



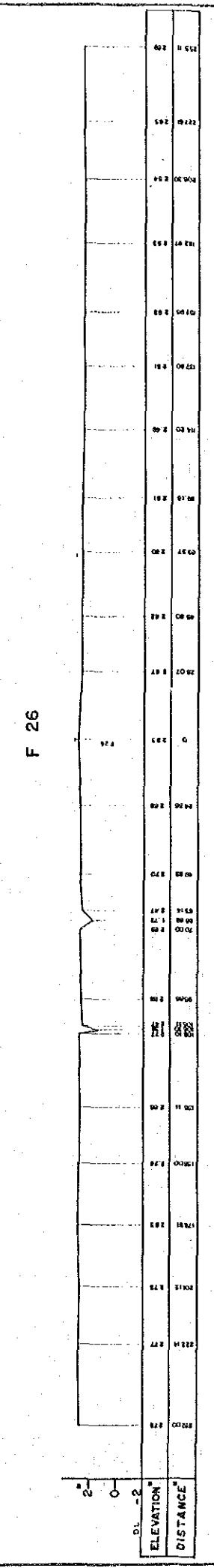
F 24



F 25



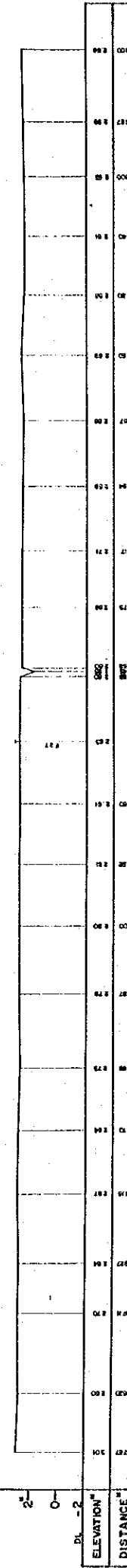
F 26



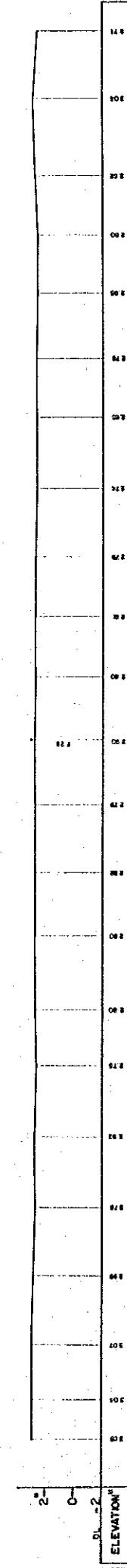
A.3.4.5

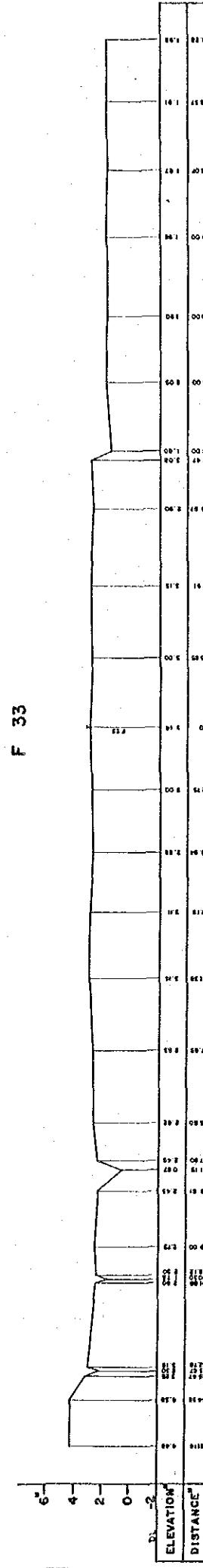
THE FLOOD CONTROL PROJECT
IN THE LOWER ITAJA RIVER BASIN
CROSS SECTION OF PROPOSED FLOODWAY
SHEET NO. 04 Width 61' SURVEYED DATE 1983.1
JAPAN INTERNATIONAL COOPERATION AGENCY

F 27

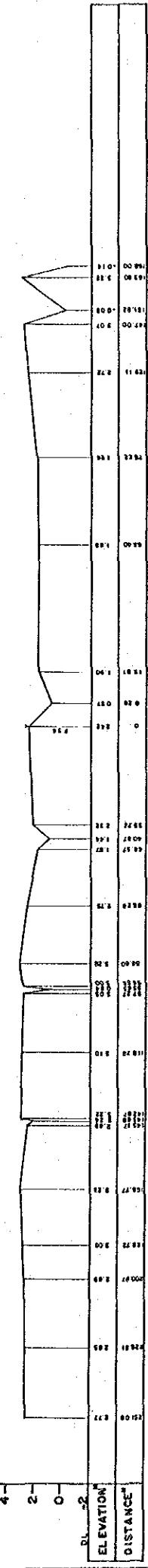


F 28

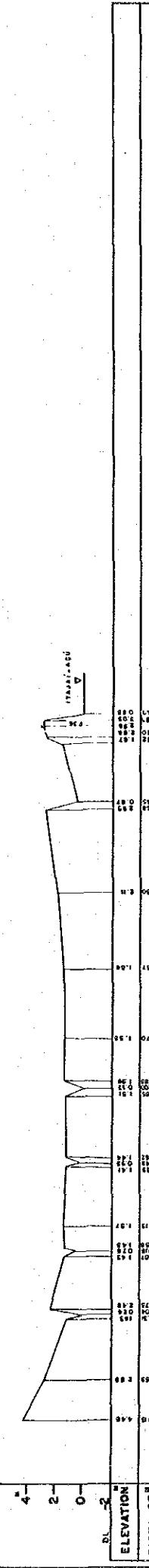




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26

CROSS SECTION OF PROPOSED FLOODWAY

SHEET NO.	05	WITHIN	06	
SURVEYED	DA	TC		1989.1
JAPAN INTERNATIONAL COOPERATION AGENCY				

