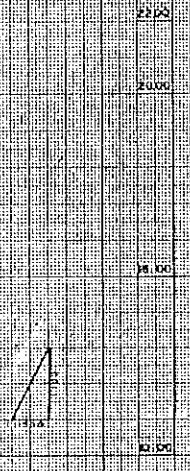


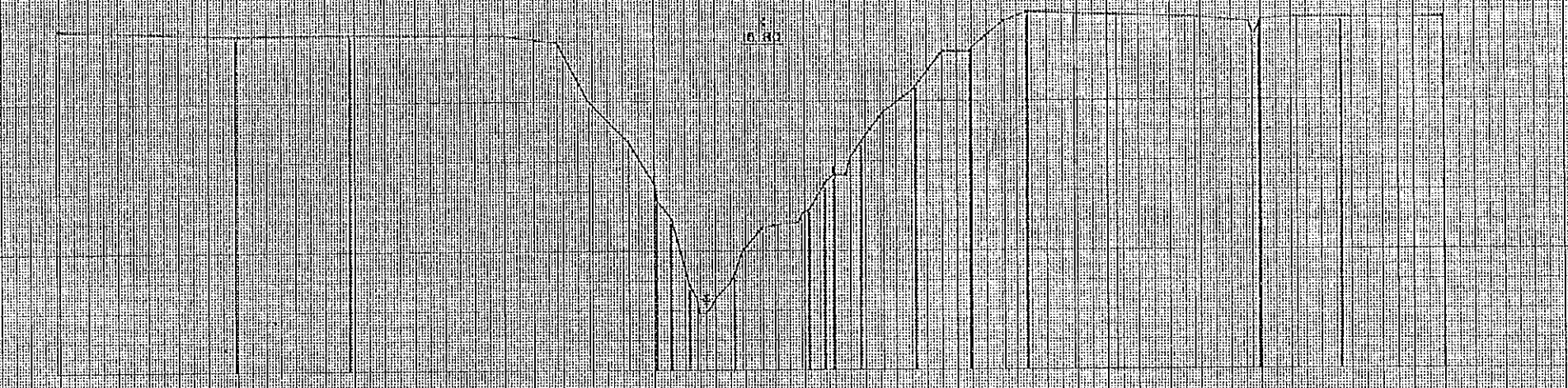
GROUND HEIGHT  
TOTAL DISTANCE



GROUND HEIGHT  
TOTAL DISTANCE



GROUND HEIGHT  
TOTAL DISTANCE



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

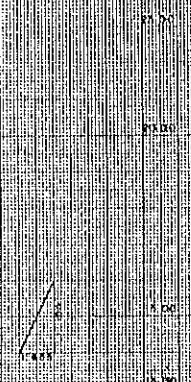


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

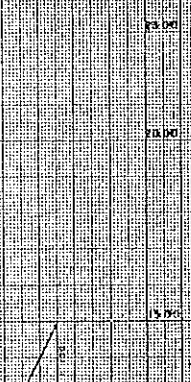


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 154—158  
 BABON RIVER  
 DECEMBER 1990 SHEET 154/158  
 JAPAN INTERNATIONAL COOPERATION AGENCY



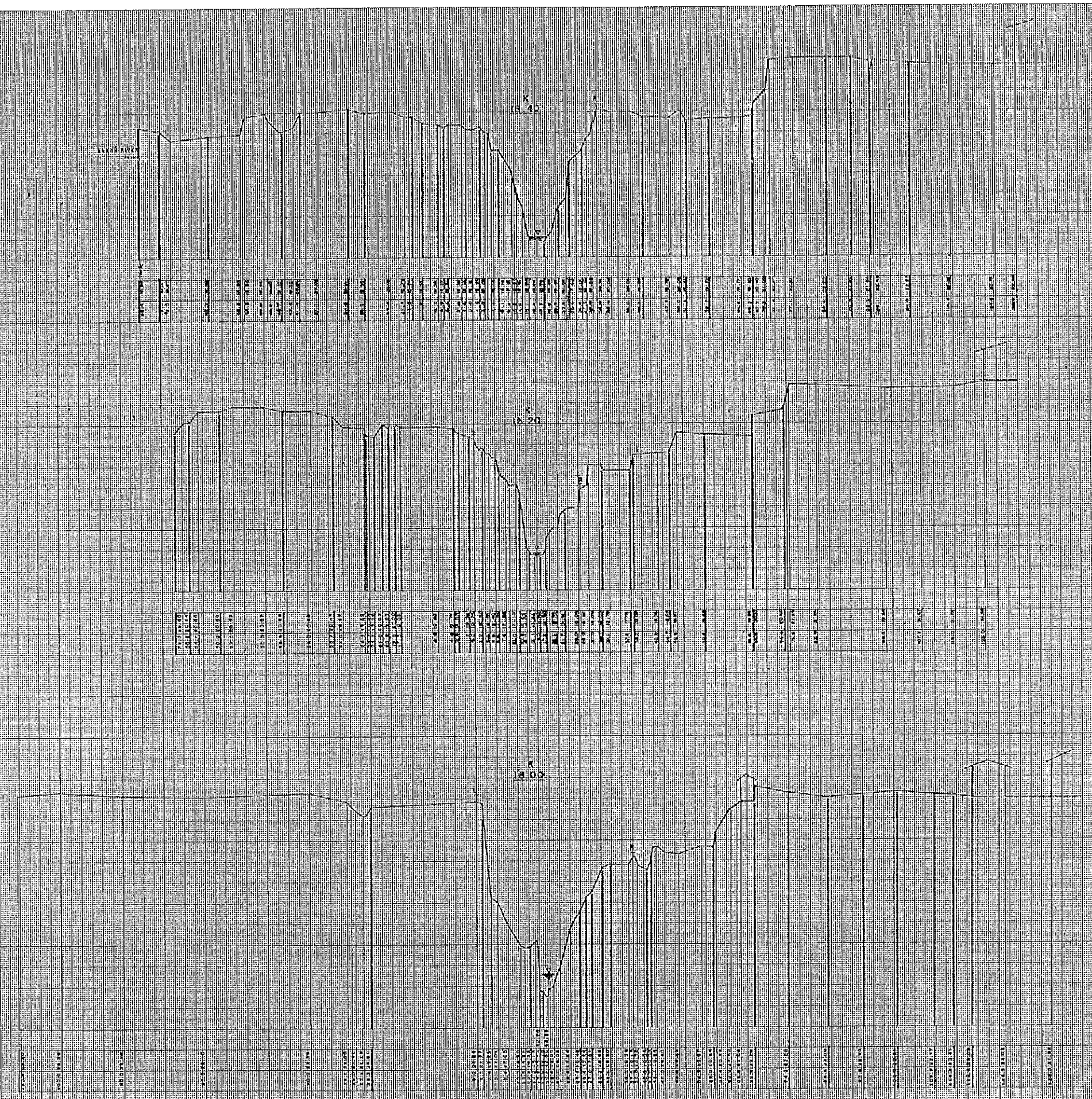
GROUND HEIGHT  
TOTAL DISTANCE



GROUND HEIGHT  
TOTAL DISTANCE



GROUND HEIGHT  
TOTAL DISTANCE



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

THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
DEVELOPMENT AND FEASIBILITY STUDY  
FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
FOR SEMARANG CITY AND SUBURBS

CROSS SECTION 16.0—16.4  
**BABON RIVER**

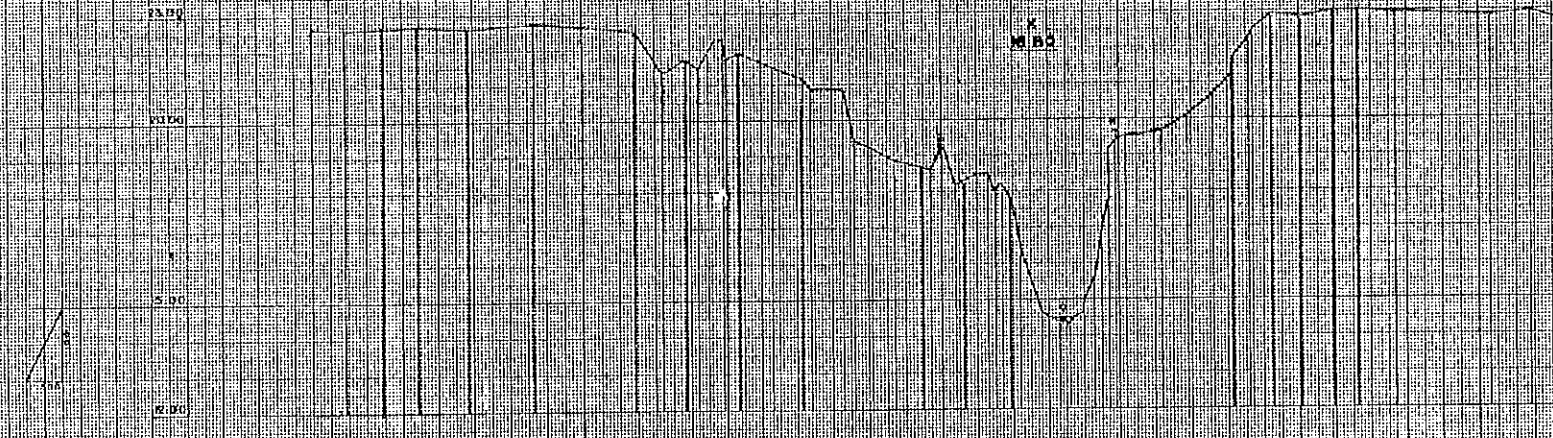
DECEMBER 1992 SHEET NO. 28/83  
JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT	TOTAL DISTANCE	REMARKS
13.00	0	START OF SECTION
13.00	10	ROAD
13.00	20	ROAD
13.00	30	ROAD
13.00	40	ROAD
13.00	50	ROAD
13.00	60	ROAD
13.00	70	ROAD
13.00	80	ROAD
13.00	90	ROAD
13.00	100	END OF SECTION

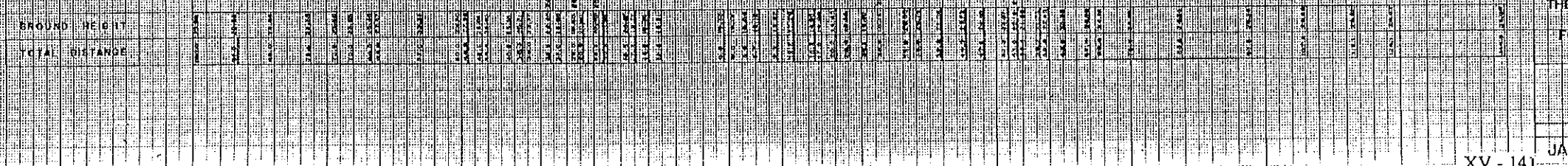
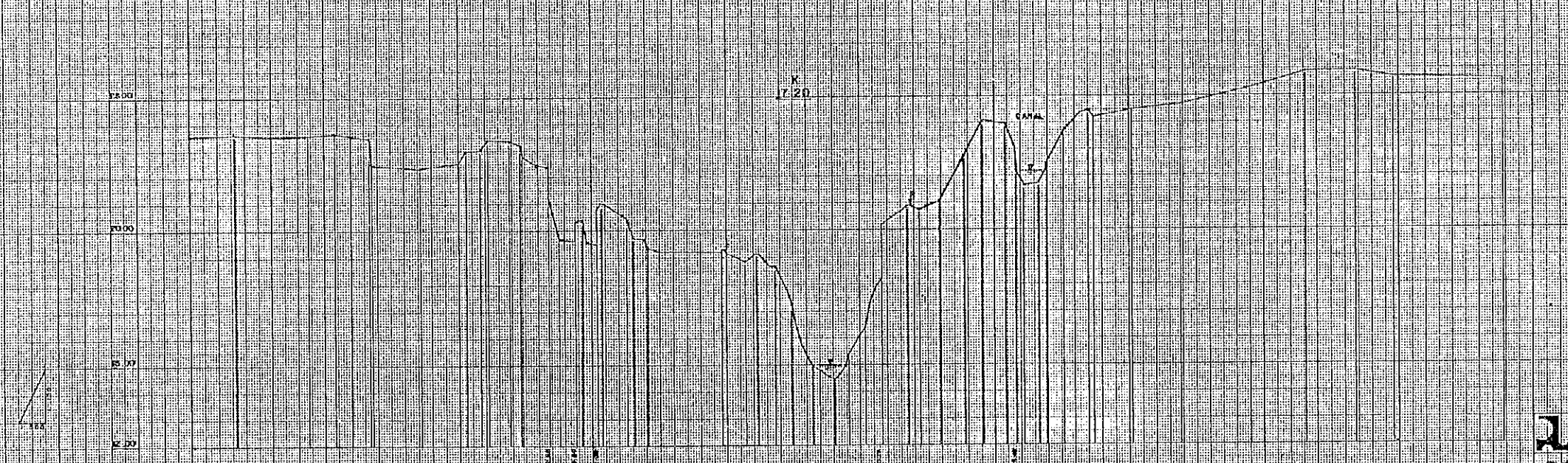
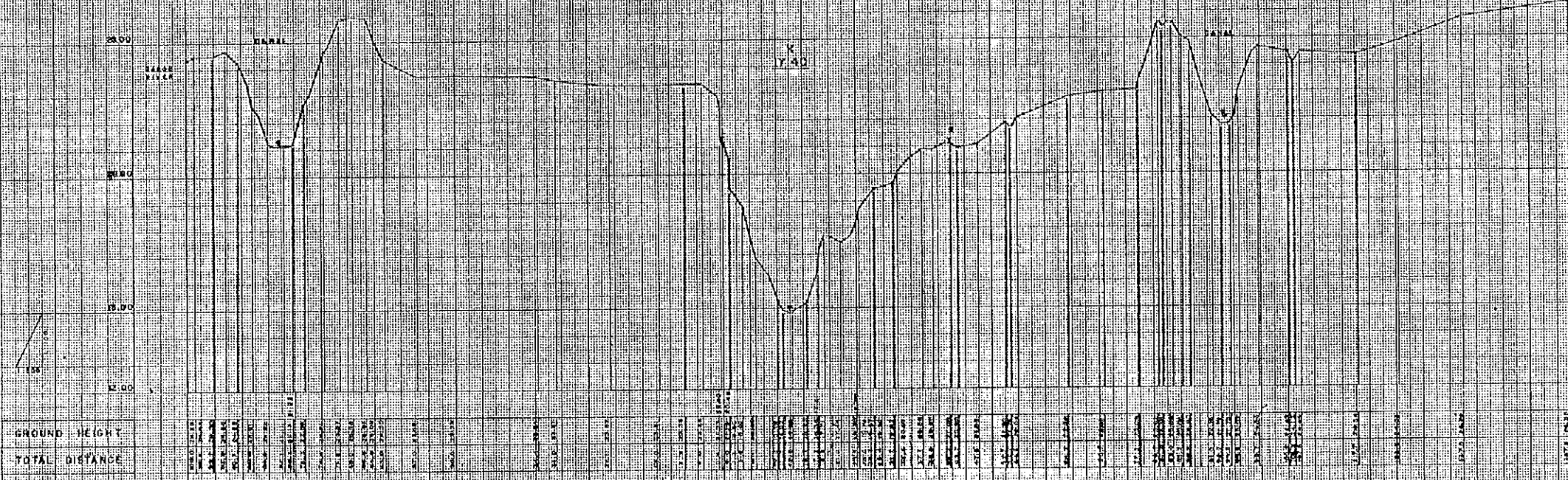


GROUND HEIGHT	TOTAL DISTANCE	REMARKS
13.00	0	START OF SECTION
13.00	10	ROAD
13.00	20	ROAD
13.00	30	ROAD
13.00	40	ROAD
13.00	50	ROAD
13.00	60	ROAD
13.00	70	ROAD
13.00	80	ROAD
13.00	90	ROAD
13.00	100	END OF SECTION

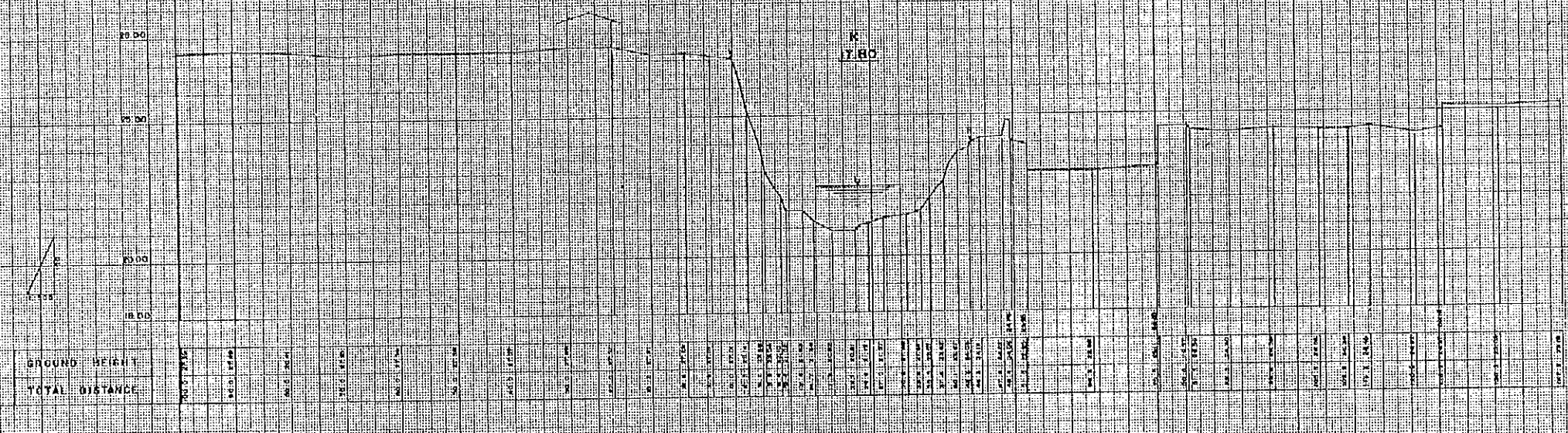
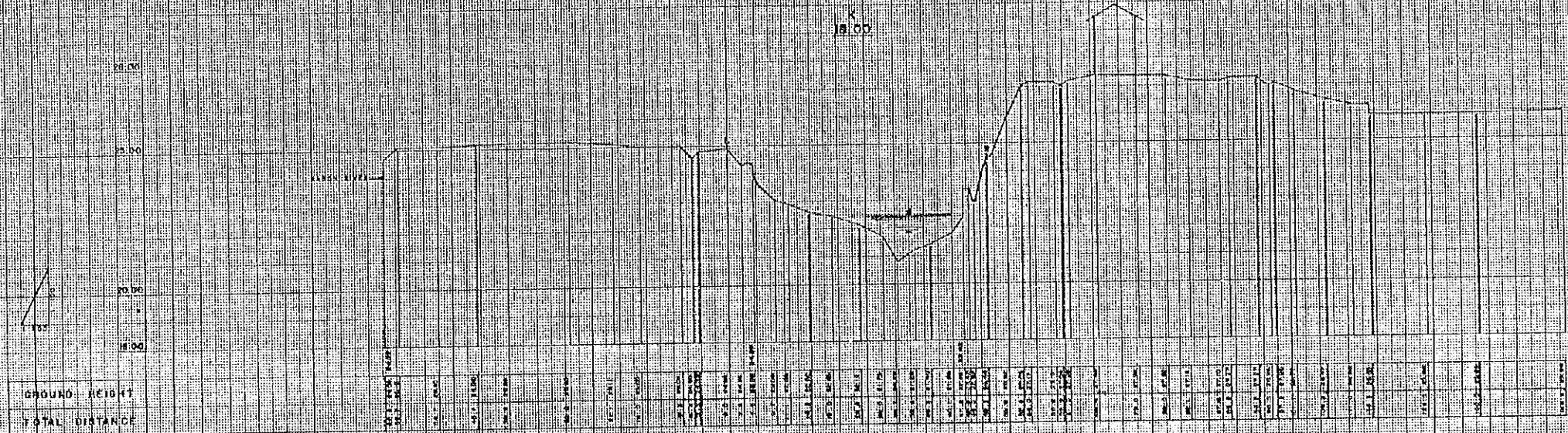


GROUND HEIGHT	TOTAL DISTANCE	REMARKS
13.00	0	START OF SECTION
13.00	10	ROAD
13.00	20	ROAD
13.00	30	ROAD
13.00	40	ROAD
13.00	50	ROAD
13.00	60	ROAD
13.00	70	ROAD
13.00	80	ROAD
13.00	90	ROAD
13.00	100	END OF SECTION

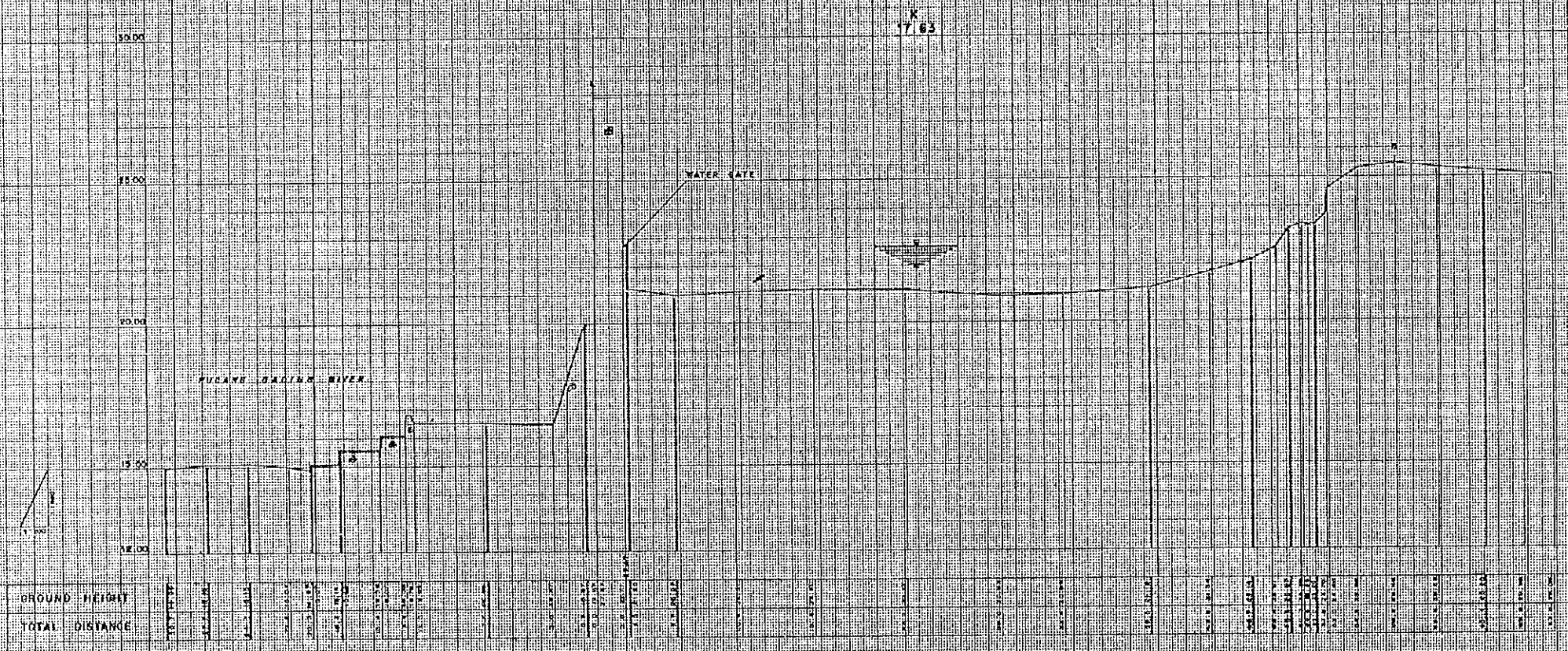
THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 16.6—17.0  
**BABON RIVER**  
 DECEMBER 1962  
 SHEET NO. 30237  
 JAPAN INTERNATIONAL COOPERATION AGENCY



THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 17.2-17.22  
**BABON RIVER**  
 DECEMBER 1992 SHEET NO. 11/22  
 JAPAN INTERNATIONAL COOPERATION AGENCY

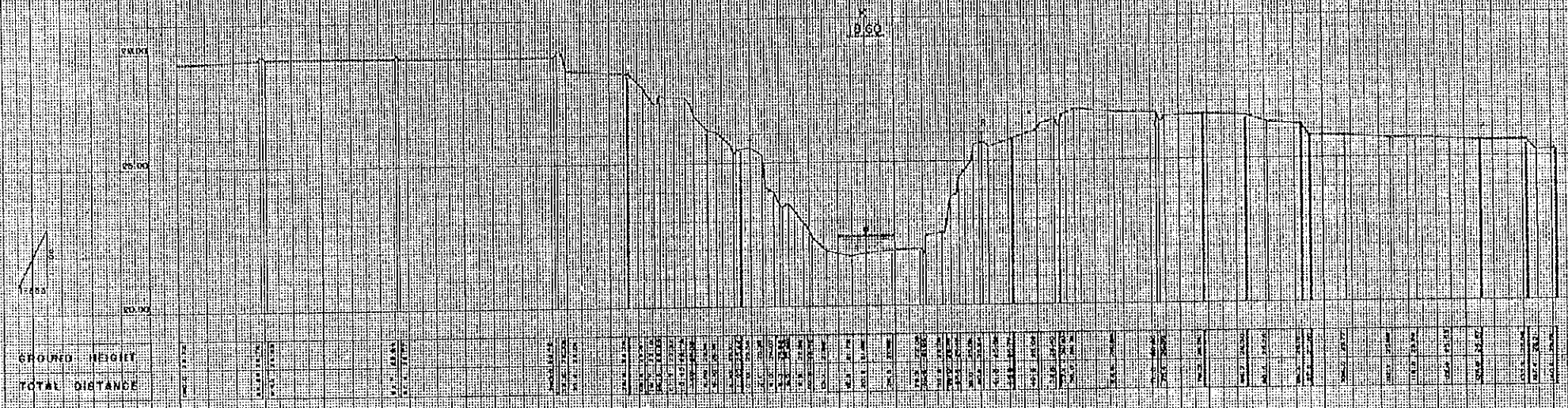


THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 176 — 80  
**BABON RIVER**  
 DECEMBER 1992 SHEET NO. 32/58  
 JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00
TOTAL DISTANCE	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00

THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 1763  
**BABON RIVER**  
 DECEMBER 1955 SITE NO. 35/56  
 JAPAN INTERNATIONAL COOPERATION AGENCY

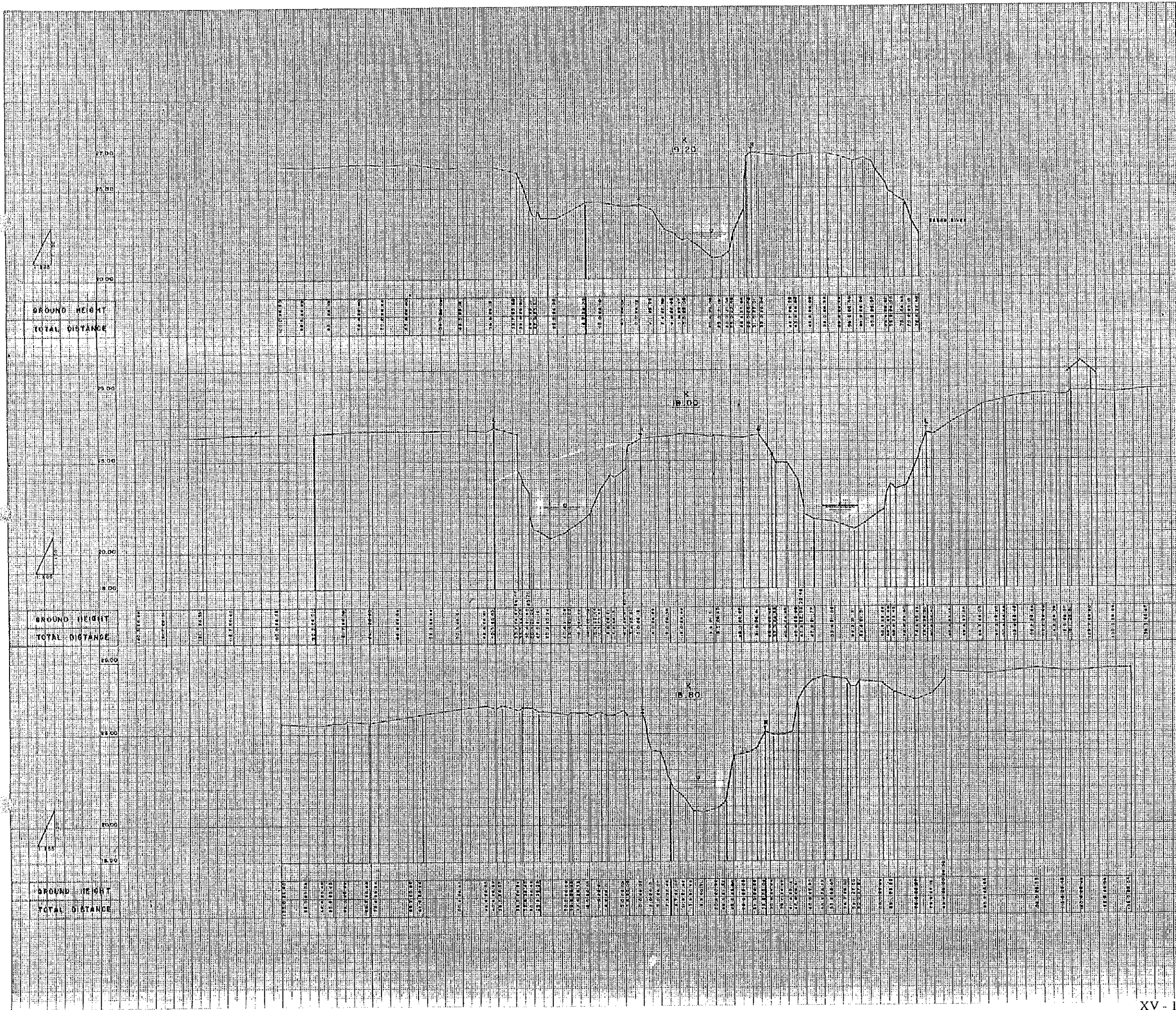


THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS

THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS

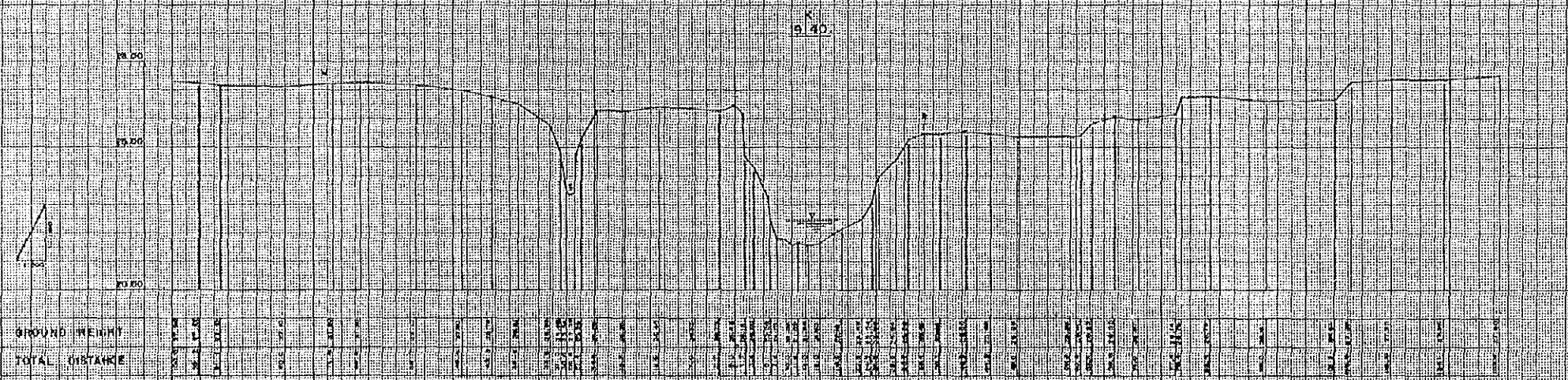
CROSS SECTION 18.2-186  
**BABON RIVER**

DECEMBER 1970 SHEET NO. 34/35  
 JAPAN INTERNATIONAL COOPERATION AGENCY

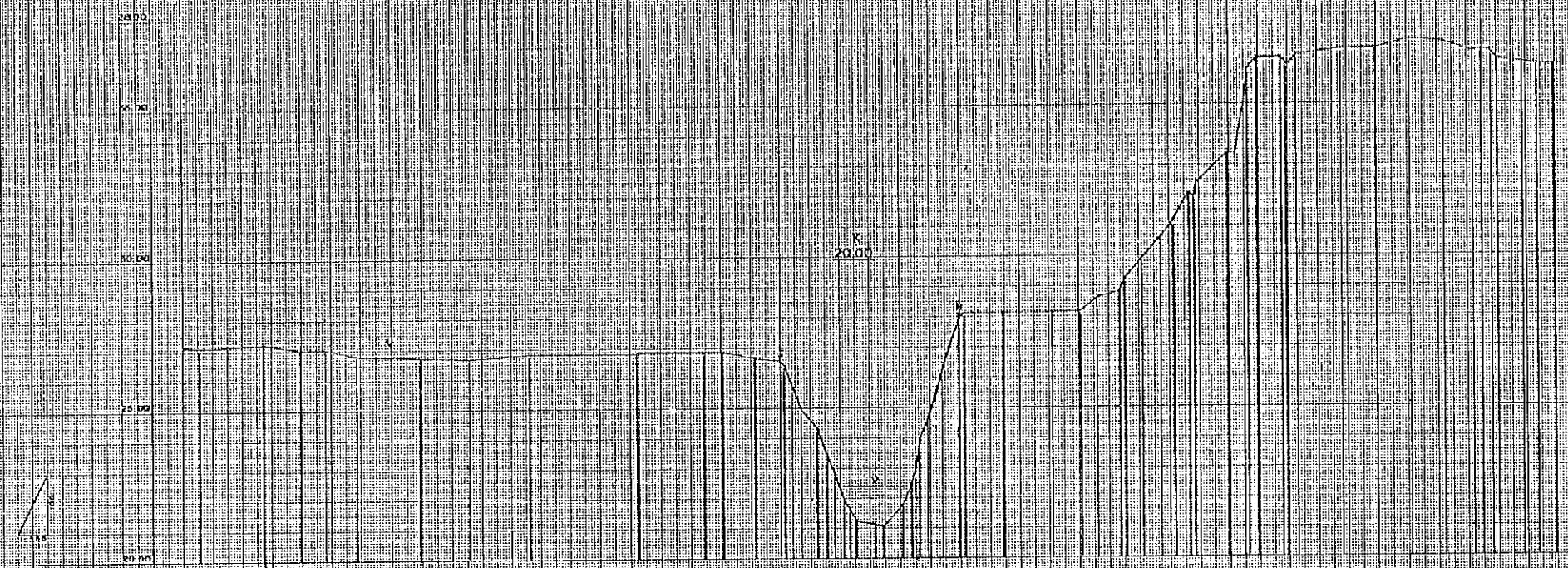


THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 18.8—19.2  
**BABON RIVER**  
 DECEMBER 1992  
 JAPAN INTERNATIONAL COOPERATION AGENCY

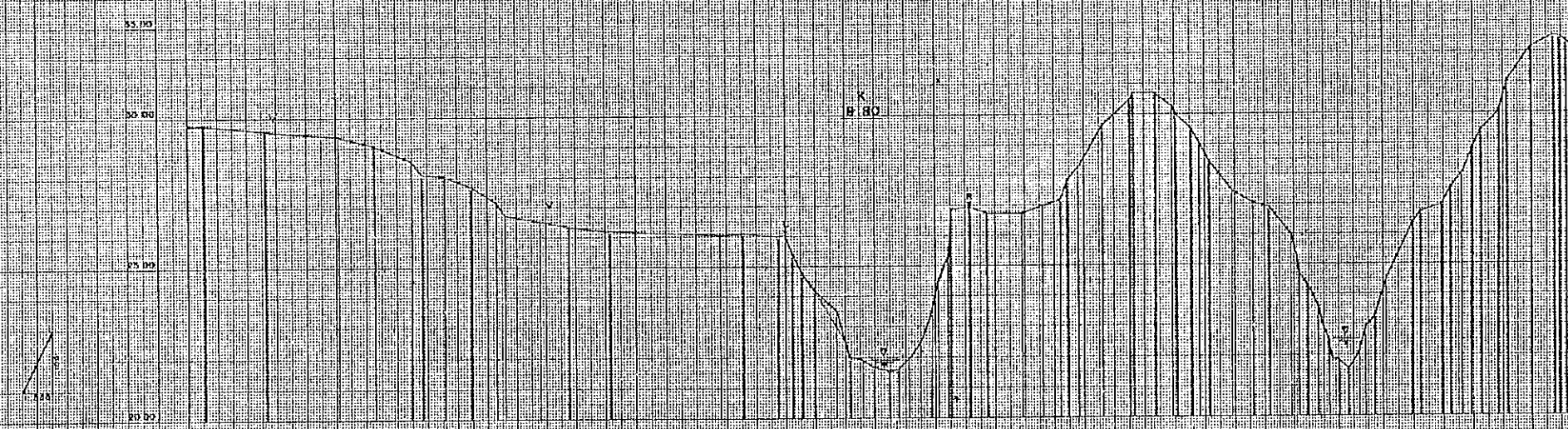




THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 1964 — 1966  
 BABON RIVER  
 DECEMBER 1966  
 SHEET NO. 86/86  
 JAPAN INTERNATIONAL COOPERATION AGENCY

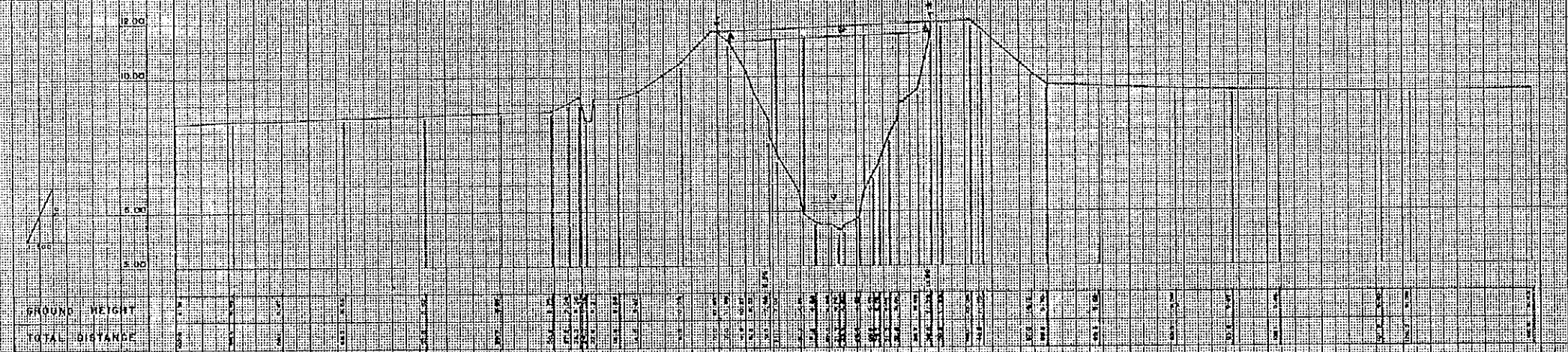
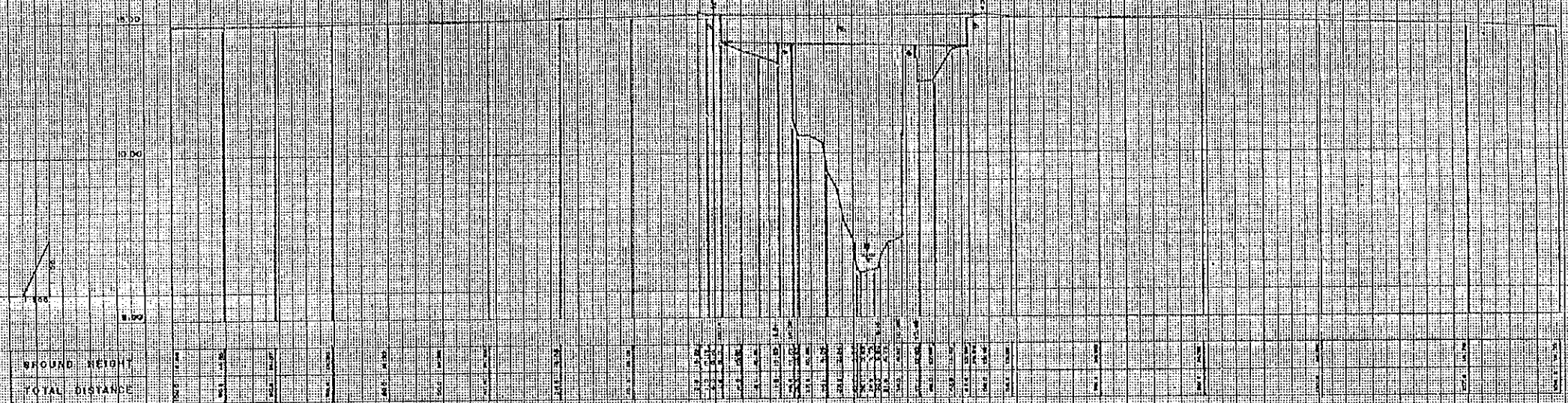



GROUND HEIGHT	24.00	23.50	23.00	22.50	22.00	21.50	21.00	20.50	20.00
TOTAL DISTANCE	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00



GROUND HEIGHT	35.00	30.00	25.00	20.00
TOTAL DISTANCE	0.00	10.00	20.00	30.00

THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 19B-200A  
**BABON RIVER**  
 DECEMBER 1972  
 JAPAN INTERNATIONAL COOPERATION AGENCY




 THE REPUBLIC OF INDONESIA  
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
 MINISTRY OF PUBLIC WORKS  
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES  
 DEVELOPMENT AND FEASIBILITY STUDY  
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE  
 FOR SEMARANG CITY AND SUBURBS  
 CROSS SECTION 7.33—10.95  
**BABON RIVER**  
 DECEMBER 1992  
 JAPAN INTERNATIONAL COOPERATION AGENCY