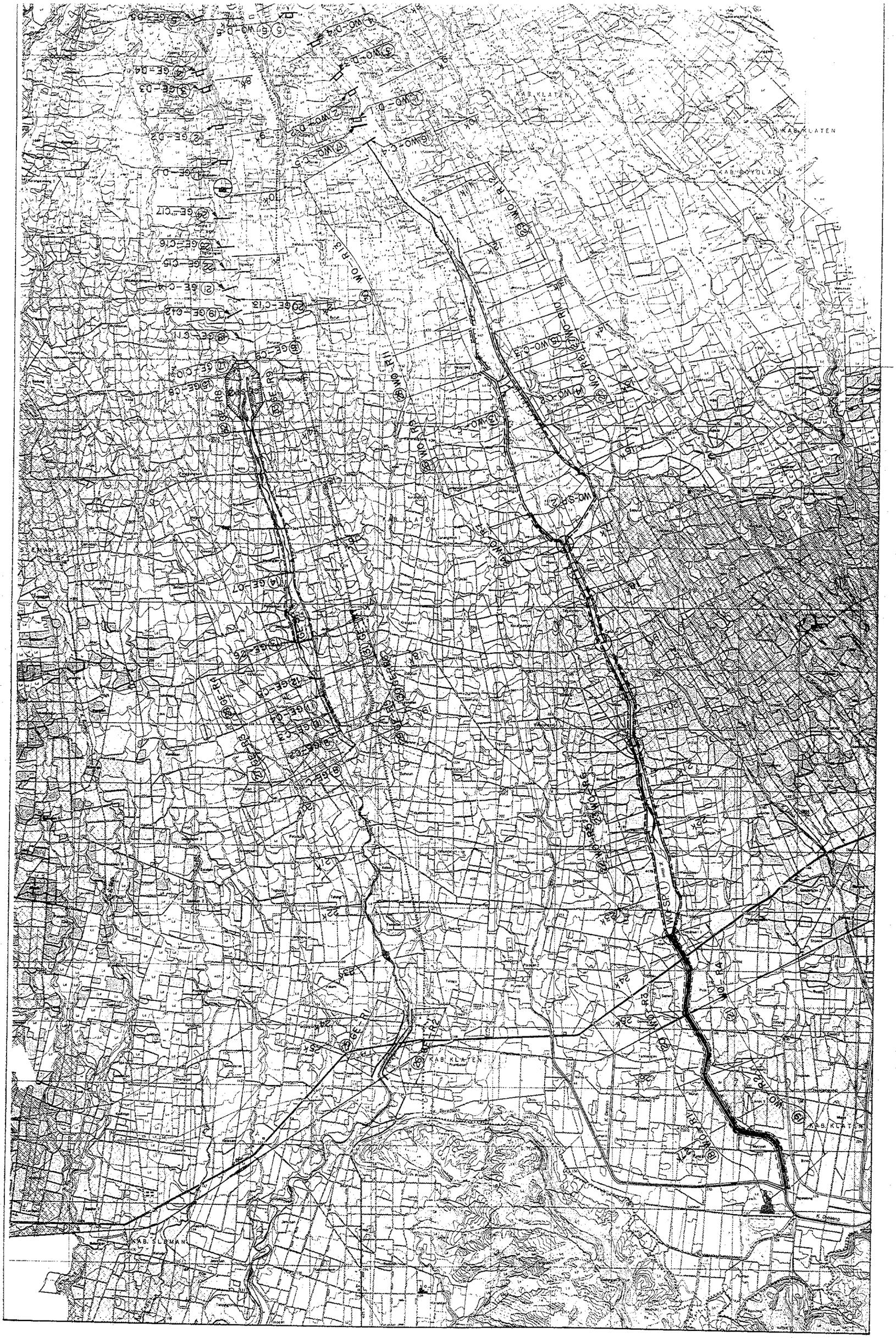
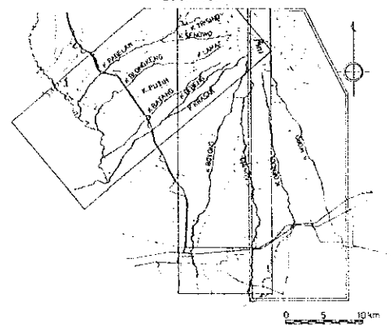

KAB. KLATEN
KAB. BOYOLALI
KAB. SLEMAN
K. Dengeng

LOCATION MAP



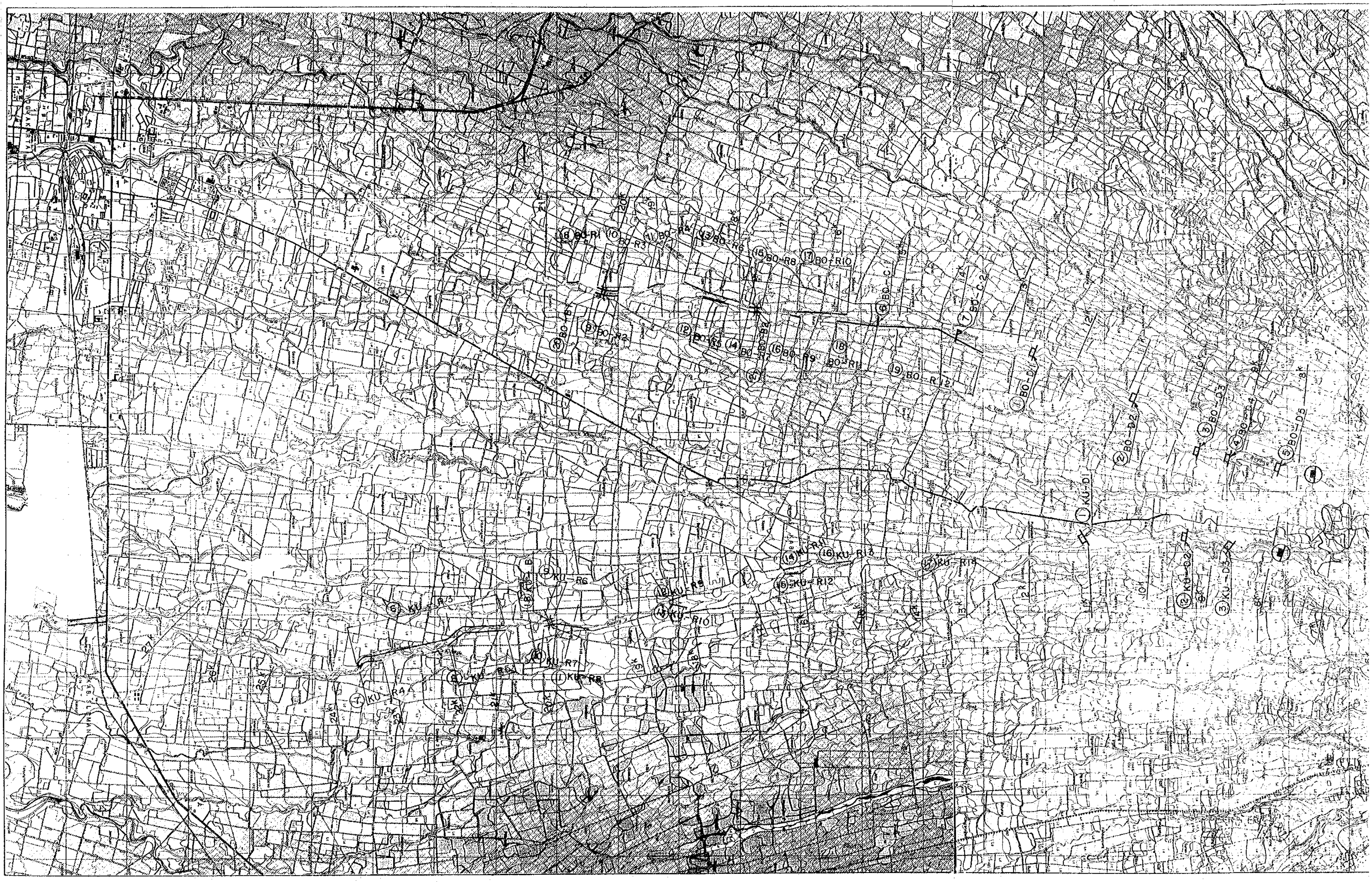
LEGEND

- CHECK DAM
- PROPOSED CHECK DAM
- PROPOSED CONSOLIDATION DAM
- REVETMENT
- PROPOSED REVETMENT

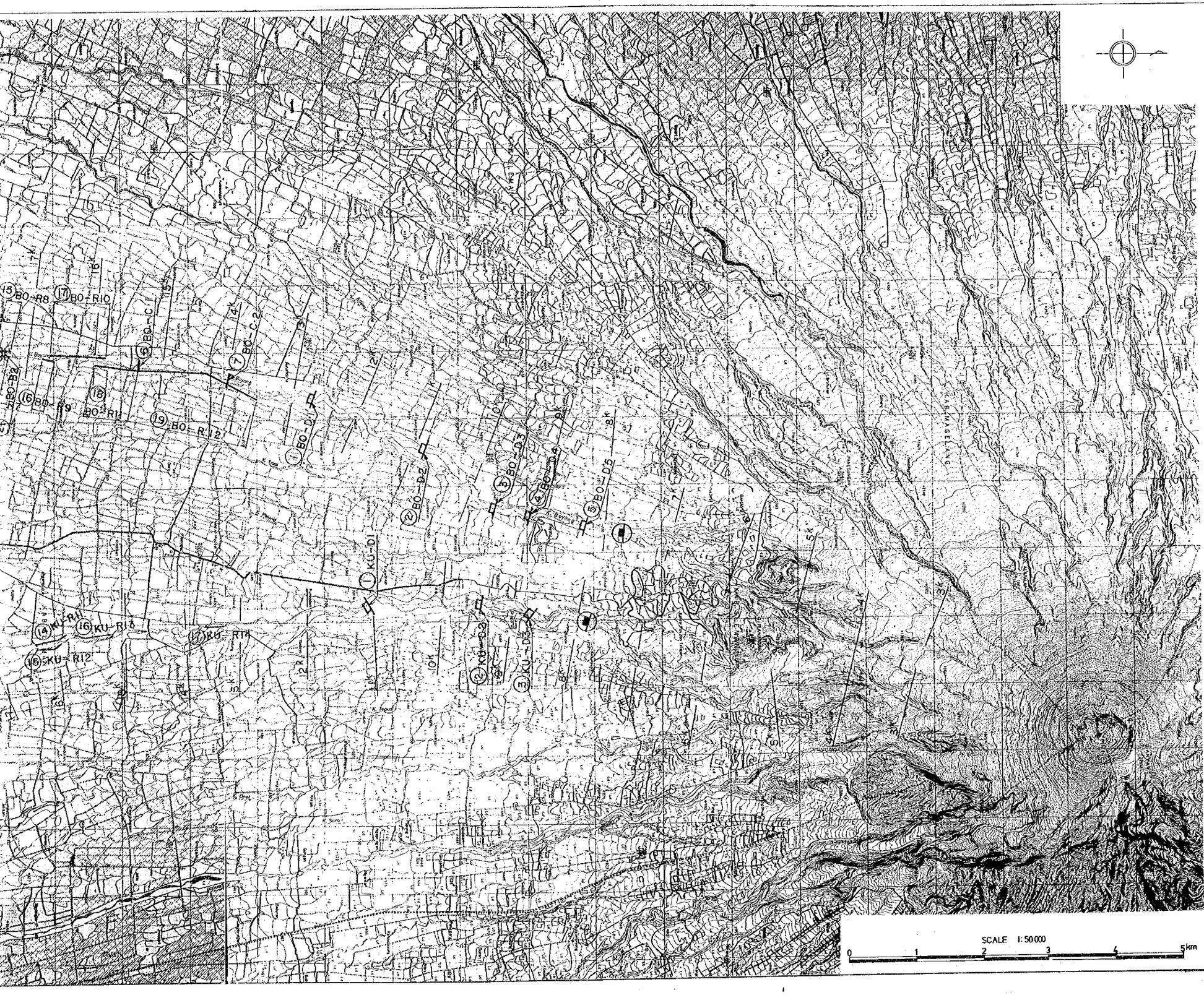
SCALE 1:50 000

0 1 2 3 4 5km

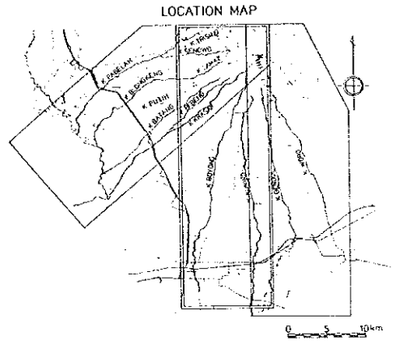
REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
MAP OF SABO FACILITIES LOCATION PLAN (2) 1: K. WORO 2: K. GENDOL	DATE	MARECH. 1980
	SCALE	1:50 000
DWG. NO. 03		3/24
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		



BO-R1
BO-R3
BO-R8
BO-R10
BO-C2
BO-R2
BO-R9
BO-R12
BO-D2
BO-D3
BO-D5
KU-D1
KU-D2
KU-D3
KU-R11
KU-R14
KU-R12
KU-R6
KU-R10
KU-R3
KU-R7
KU-R4



LOCATION MAP



LEGEND

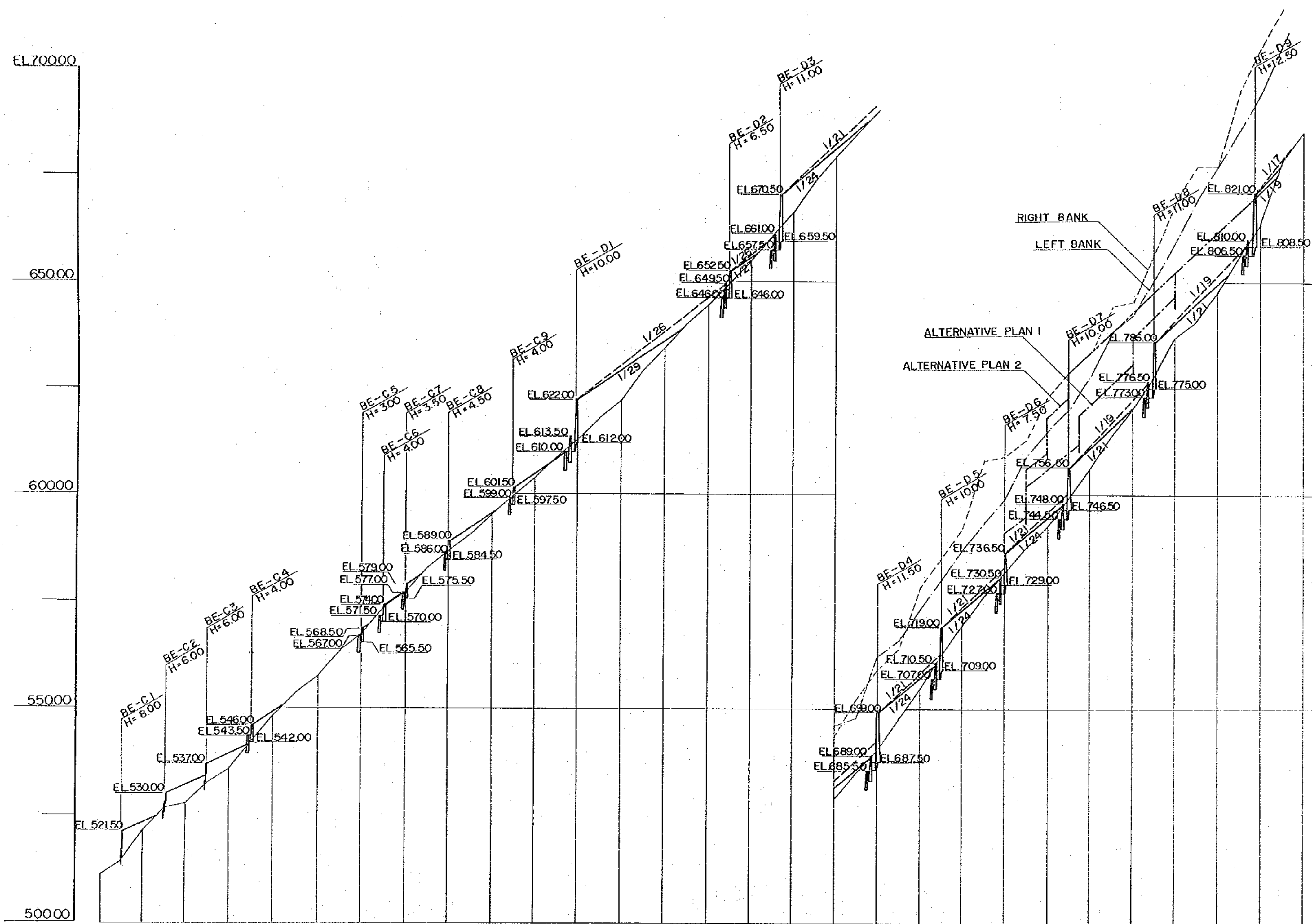
- CHECK DAM
- PROPOSED CHECK DAM
- PROPOSED CONSOLIDATION DAM
- REVETMENT
- PROPOSED REVETMENT
- PROPOSED GROIN
- PROPOSED TRAINING LEVEE
- REBUILDING BRIDGE

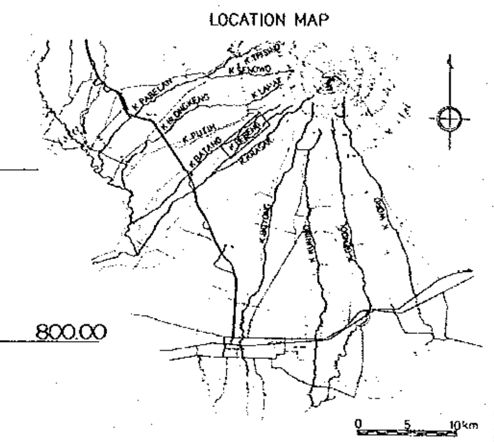
REPUBLIC OF INDONESIA

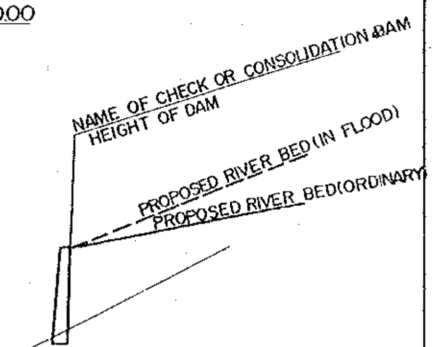
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI

MAP OF SABO FACILITIES LOCATION PLAN (3)	DATE	MARECH. 1980
	SCALE	1:50000
DWG. NO. 04		4/24

J.I.C.A
JAPAN INTERNATIONAL COOPERATION AGENCY







STATION	DISTANCE FROM THE SUMMIT OF G. MERAPI	LOWEST RIVER BED HEIGHT	ACCUMULATED DISTANCE	DISTANCE
12.80		511.30	0	0
12.70		514.80	100	100
12.60		521.60	200	100
12.50		526.90	300	100
12.40		528.00	400	100
12.30		532.60	500	100
12.20		536.00	600	100
12.10		542.10	700	100
12.00	12K	548.40	800	100
11.80		557.70	1000	200
11.60		567.30	1200	200
11.50		573.40	1300	100
11.40		577.20	1400	100
11.20		586.70	1600	200
11.00	11K	595.20	1800	200
10.90		598.70	1900	100
10.80		603.70	2000	100
10.61		612.00	2190	190
10.60		612.80	2200	10
10.40		622.00	2400	200
10.20		634.60	2600	200
10.00	10K	644.50	2800	200
9.90		649.40	2900	100
9.80		655.00	3000	100
9.66		662.52	3140	140
9.60		665.45	3200	60
9.40		679.50	3400	200
9.20		690.25	3600	200
9.00	9K	704.60	3800	200
8.90		712.55	3900	100
8.80		719.50	4000	100
8.60		731.80	4200	200
8.40		742.90	4400	200
8.30		749.25	4500	100
8.20		756.15	4600	100
8.00	8K	770.40	4800	200
7.90		777.80	4900	100
7.80		786.65	5000	100
7.60		797.90	5200	200
7.43		811.69	5370	170
7.40		814.00	5400	30
7.20		835.50	5600	200

GRADIENT OF ORIGINAL RIVER BED:

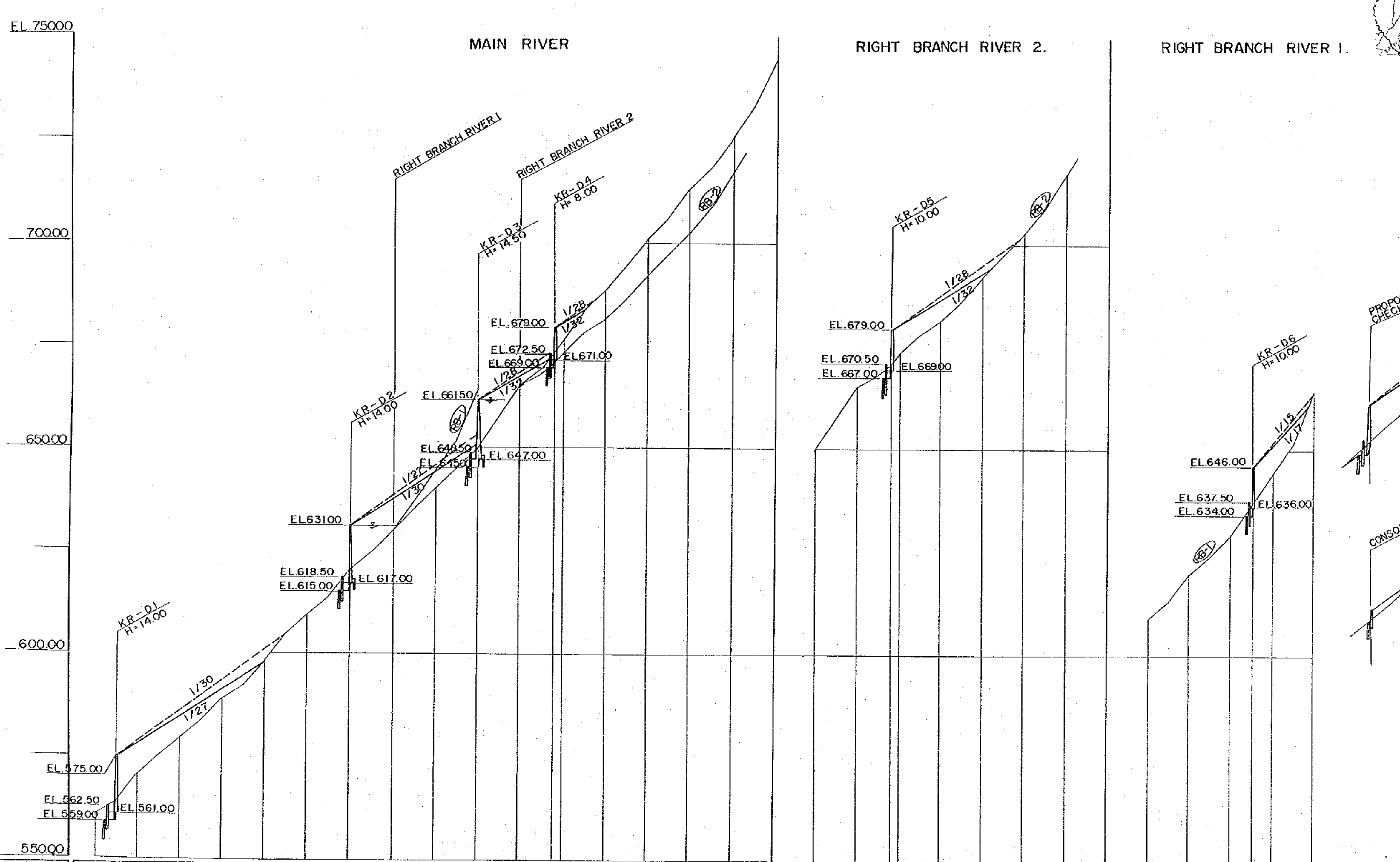
- I=1/22.3, l=900
- I=1/22.0, l=800
- I=1/19.1, l=1200
- I=1/15.7, l=1300
- I=1/13.9, l=900
- I=1/12.5, l=200

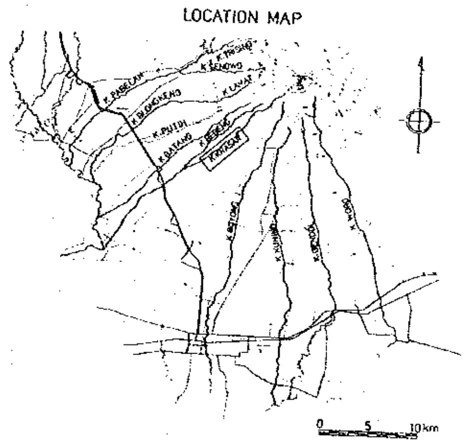
REPUBLIC OF INDONESIA

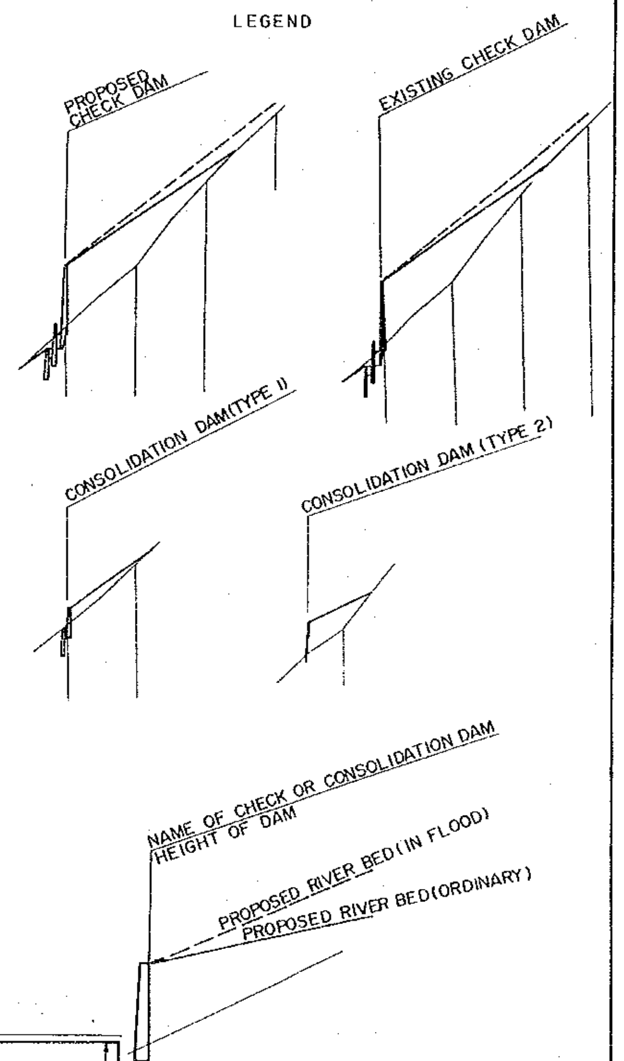
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI

GENERAL LONGITUDINAL PROFILE OF K. BEBENG	DATE	MARECH. 1980
	SCALE	V=1:1000 H=1:20000
DWG. NO. 05	5/24	

J.I.C.A
JAPAN INTERNATIONAL COOPERATION AGENCY







MAIN RIVER

STATION	11.20	11.00	10.80	10.60	10.40	10.20	10.00	9.80	9.60	9.40	9.20	9.05	9.00	8.80	8.60	8.40	8.20
DISTANCE FROM THE SUMMIT OF G.MERAPI		11K					10K						9K				
LOWEST RIVER BED HEIGHT	560.80	570.40	579.40	588.80	597.60	609.20	620.00	629.65	640.00	650.10	655.25	673.00	676.20	688.55	701.05	713.10	726.05
ACCUMULATED DISTANCE	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2150	2200	2400	2600	2800	3000
DISTANCE	0	200	200	200	200	200	200	200	200	200	200	150	50	200	200	200	200

GRADIENT OF ORIGINAL RIVER BED: I=1/20.2, l=1200; I=1/19.9, l=600; I=1/21.0, l=800; I=1/16.0, l=400

RIGHT BRANCH RIVER 2.

STATION	9.40	9.20	9.05	9.00	8.80	8.60	8.40	8.20
DISTANCE FROM THE SUMMIT OF G.MERAPI				9K				
LOWEST RIVER BED HEIGHT	650.10	665.25	671.00	673.70	681.20	692.20	702.40	717.00
ACCUMULATED DISTANCE	0	200	350	400	600	800	1000	1200
DISTANCE	0	200	150	50	200	200	200	200

GRADIENT OF ORIGINAL RIVER BED: I=1/16.7, l=350; I=1/20.7, l=650

RIGHT BRANCH RIVER I.

STATION	10.20	10.00	9.80	9.70	9.60	9.40	9.20	9.00
DISTANCE FROM THE SUMMIT OF G.MERAPI		10K						9K
LOWEST RIVER BED HEIGHT	609.20	620.00	629.65	637.80	644.70	665.00		
ACCUMULATED DISTANCE	0	200	400	500	600	800	1000	1200
DISTANCE	0	200	200	100	100	200	200	200

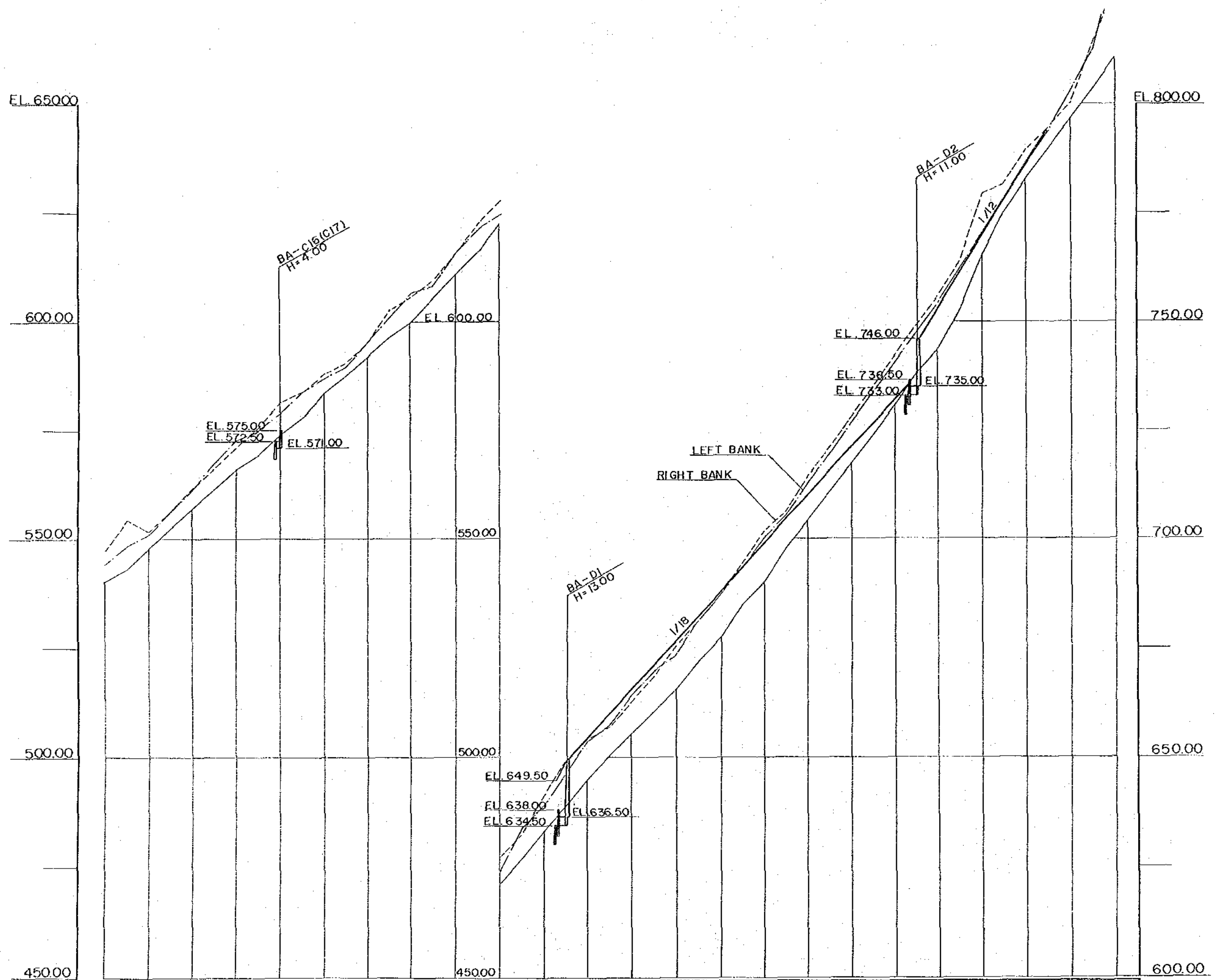
GRADIENT OF ORIGINAL RIVER BED: I=1/17.5, l=500; I=1/11.0, l=300

REPUBLIC OF INDONESIA

MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI

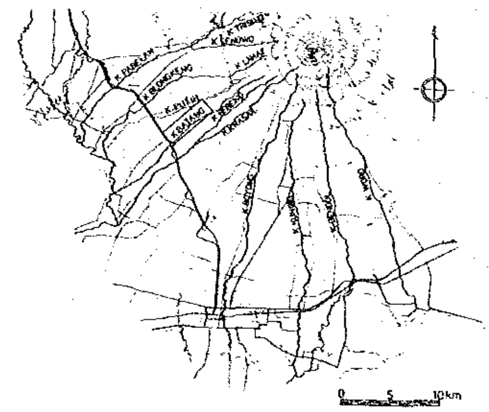
GENERAL LONGITUDINAL PROFILE OF K. KRASAK	DATE	MARECH.1980
	SCALE	V=1:1000 H=1:20000
DWG. NO.06		6/24

J.I.C.A
JAPAN INTERNATIONAL COOPERATION AGENCY

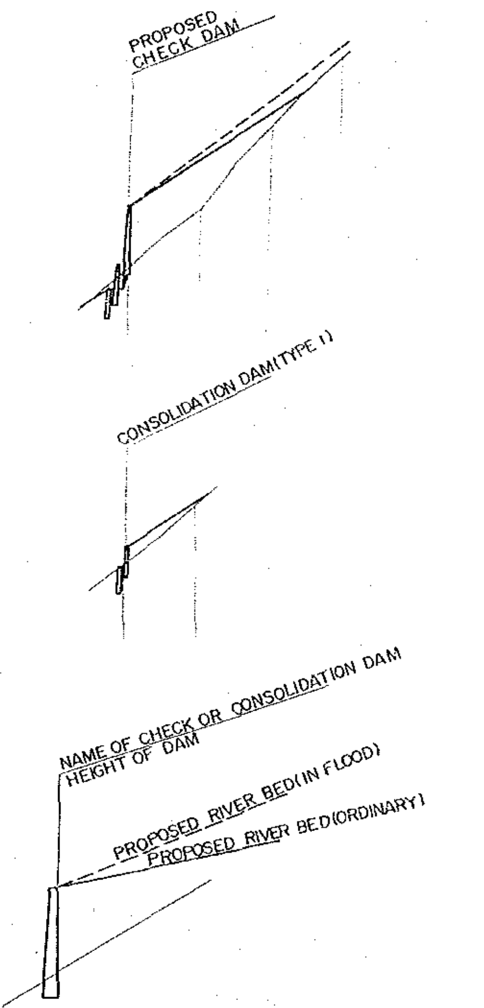


STATION	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8
DISTANCE FROM THE SUMMIT OF G.MERAPI			12K					11K					10K					9K						
GRADIENT OF ORIGINAL RIVER BED					I=1/23.2 ℓ=1 500							I=1/18.0 ℓ=1 300					I=1/15.1 ℓ=1 000					I=1/12.1 ℓ=1 100		
LOWEST RIVER BED HEIGHT	540.50	548.20	557.20	566.20	574.35	583.30	591.65	599.60	610.30	622.15	633.60	645.10	655.60	665.50	677.25	689.80	714.40	717.20	730.80	743.45	763.30	782.65	796.10	812.60
ACCUMULATED DISTANCE	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600
DISTANCE	0	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200

LOCATION MAP



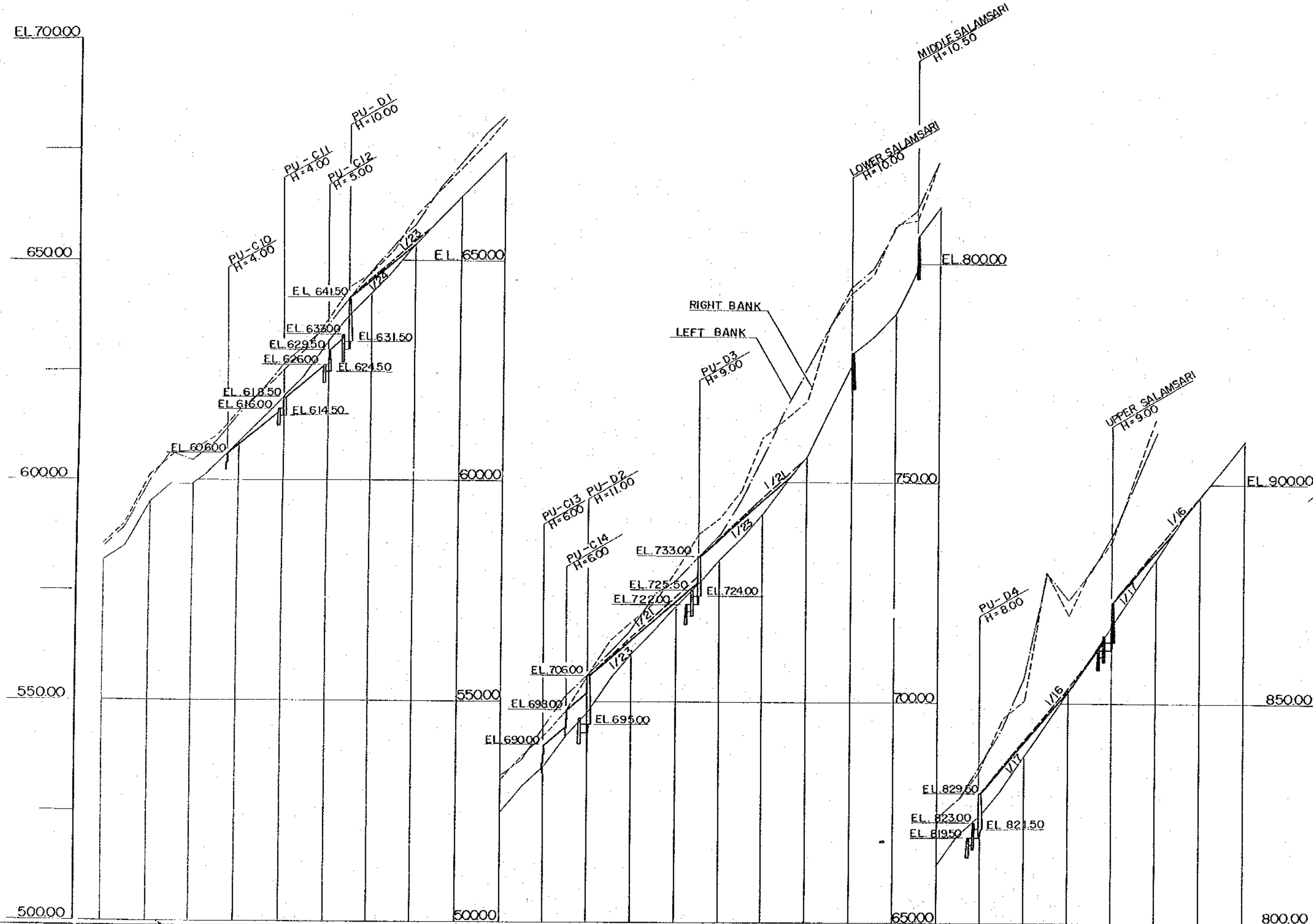
LEGEND

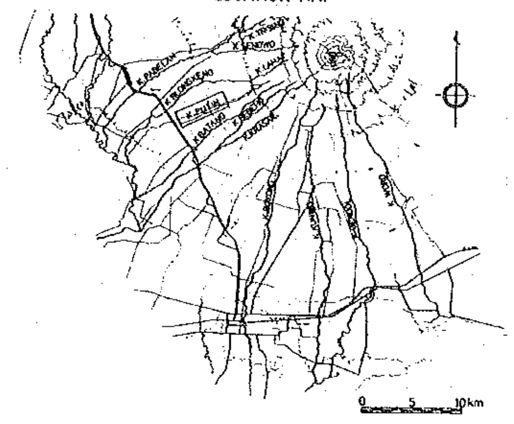


REMARK

THIS PROFILE WAS MADE BY JICA IN 1977.

REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K. BATANG	DATE	MARECH.1980
	SCALE	V=1:1000 H=1:20000
DWG. NO. 07	7/24	
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		





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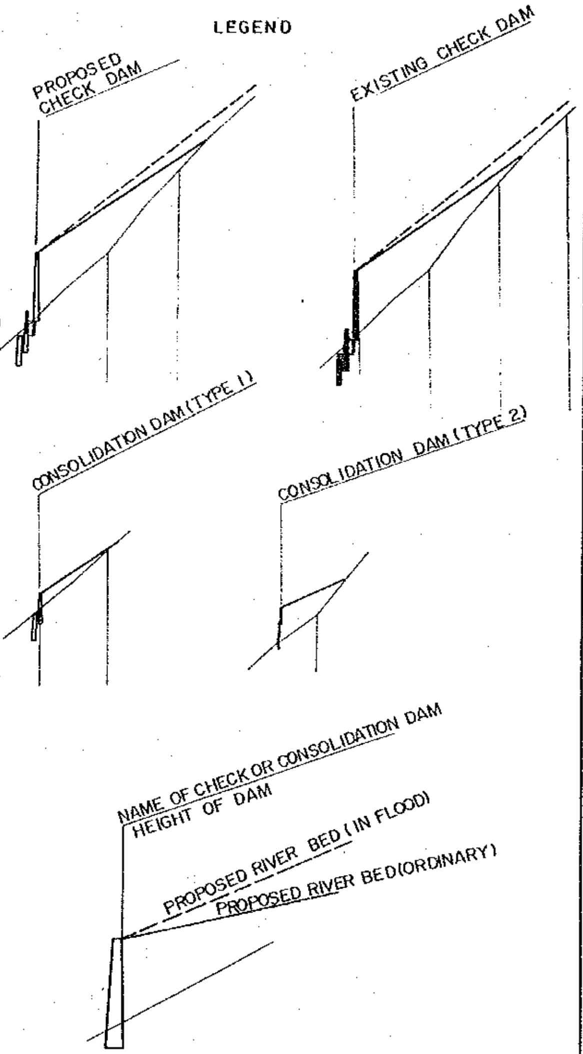


STATION	DISTANCE	ACCUMULATED DISTANCE	LOWEST RIVER BED HEIGHT	DISTANCE FROM THE SUMMIT OF G. MERAPI
11.6	0	0	581.70	
11.4	200	200	595.10	
11.2	200	400	599.00	
11.2 +150	150	550	606.05	
11.2	50	600	608.40	11K
10.8	200	800	619.00	
10.6	200	1 000	631.60	
10.6 +100	100	1 100	637.90	
10.4	100	1 200	642.50	
10.2	200	1 400	653.80	
10.0	200	1 600	664.40	10K
9.8	200	1 800	674.85	
9.6	200	2 000	685.15	
9.6 +100	100	2 100	692.15	
9.4	100	2 200	697.35	
9.2	200	2 400	710.70	
9.0	200	2 600	721.60	9K
9.0 +100	100	2 700	726.90	
8.8	100	2 800	732.80	
8.6	200	3 000	743.25	
8.4	200	3 200	756.20	
8.2	200	3 400	776.50 / 779.50	
8.0	200	3 600	788.60	8K
8.0 +100	100	3 700	798.05 / 806.00	
7.8	100	3 800	806.70	
7.6	200	4 000	824.00	
7.4	200	4 200	837.50	
7.2	200	4 400	852.00	
7.0	200	4 600	967.00	7K
6.8	200	4 800	882.50	
6.6	200	5 000	897.00	
6.4	200	5 200	909.50	

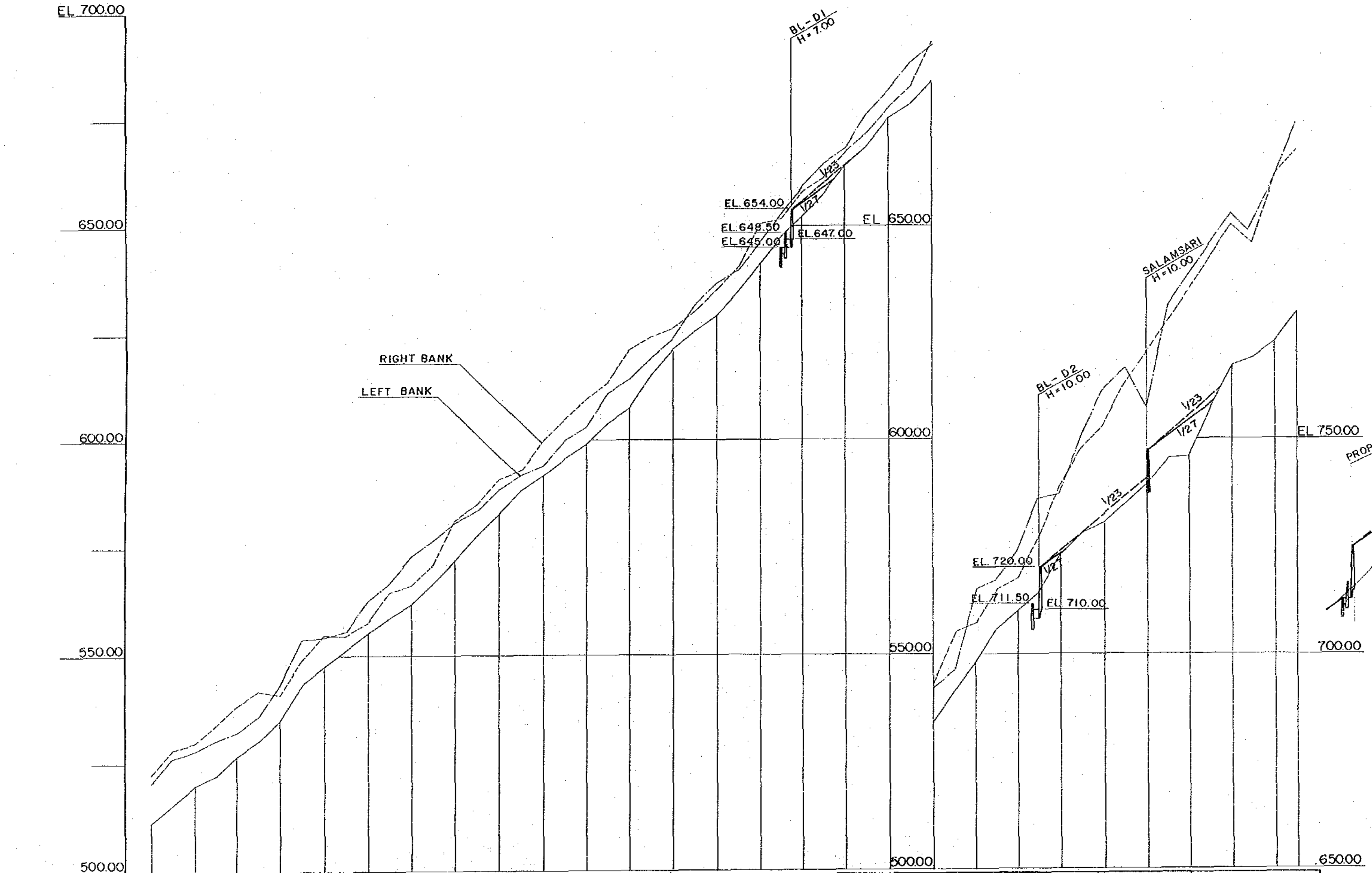
GRADIENT OF ORIGINAL RIVER BED:

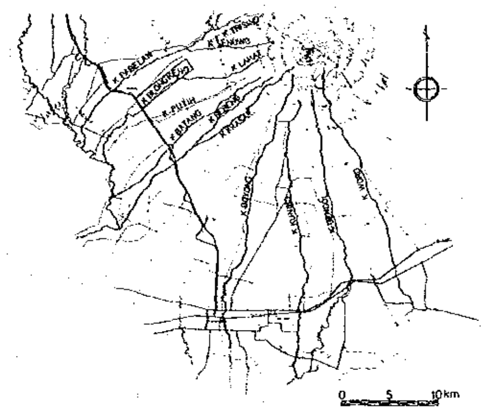
From station	To station	Gradient
11.2	9.4	I=1/18.1, ℓ=1 700
9.4	8.4	I=1/17.0, ℓ=1 000
7.6	6.4	I=1/12.4, ℓ=1 200

REMARK

THIS PROFILE WAS MADE BY JICA IN 1977.

REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL	DATE	MARECH.1980
PROFILE OF K.PUTIH	SCALE	V=1:1000 H=1:20 000
DWG. NO. 08		8/24
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		





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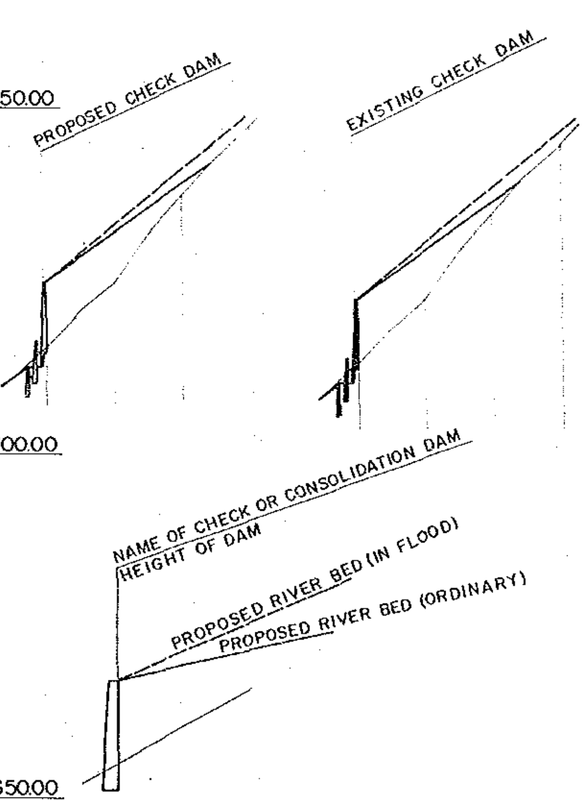
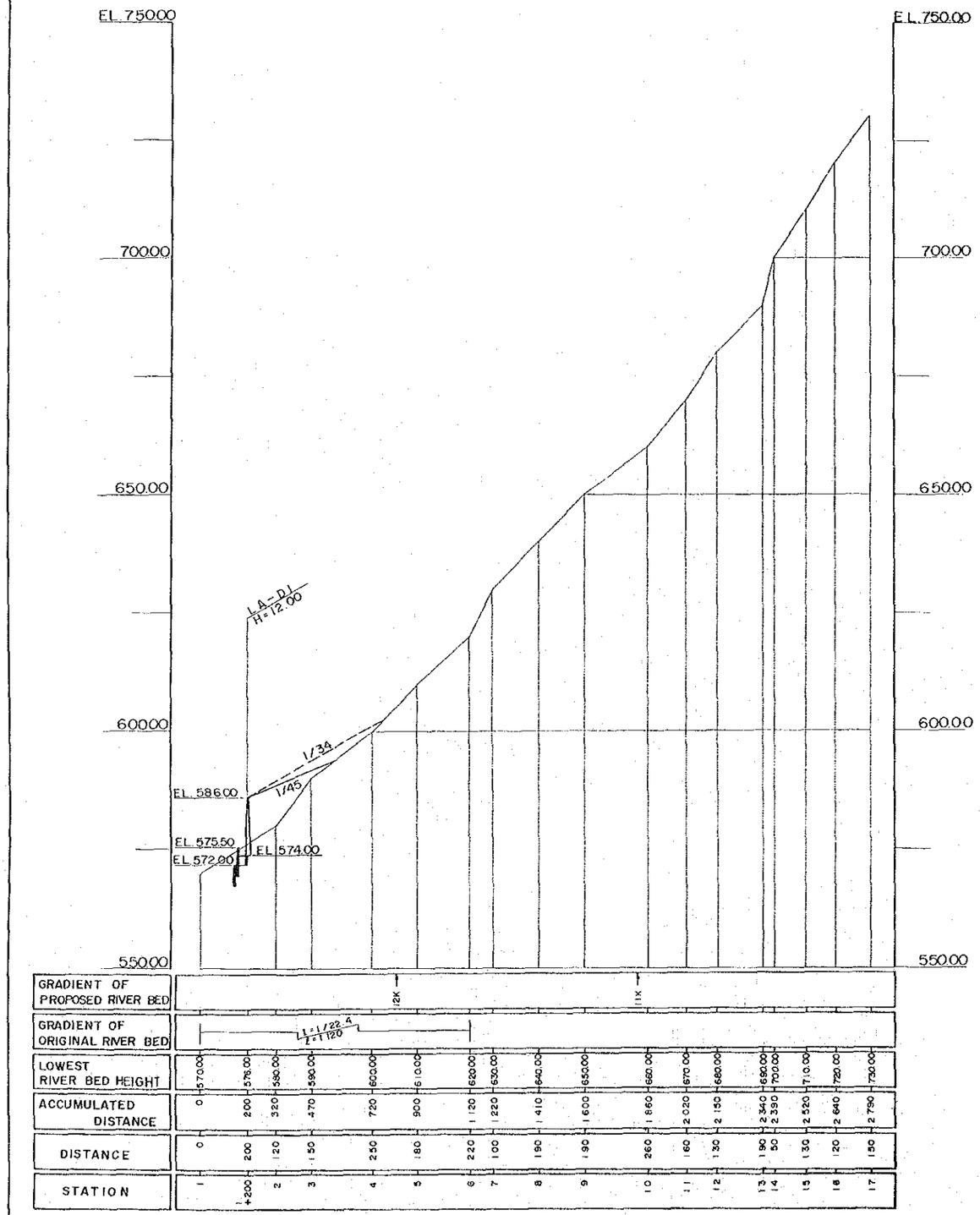


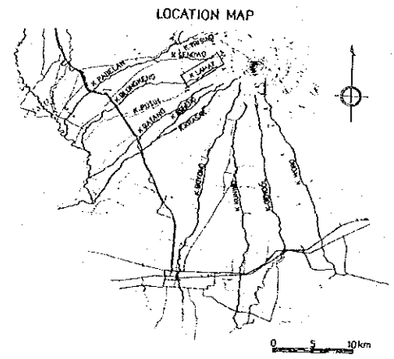
STATION	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	11.0 +100	10.8	10.6	10.4	10.4 +100	10.2
DISTANCE FROM THE SUMMIT OF G.MERAPI					12 K					11 K						
GRADIENT OF ORIGINAL RIVER BED																
LOWEST RIVER BED HEIGHT	511.60	520.25	527.20	535.40	547.75	555.45	561.90	572.00	582.70	591.60	595.65	598.90	607.20	621.15	625.40	629.20
ACCUMULATED DISTANCE	0	200	400	600	800	1 000	1 200	1 400	1 600	1 800	1 900	2 000	2 200	2 400	2 500	2 600
DISTANCE	0	200	200	200	200	200	200	200	200	200	100	100	200	200	100	100

STATION	10.0	10.0 +150	9.8	9.6	9.4	9.2	9.0	8.8	8.8 +100	8.6	8.4	8.2	8.0	7.8	7.6	7.5
DISTANCE FROM THE SUMMIT OF G.MERAPI	10 K						9 K						8 K			
GRADIENT OF ORIGINAL RIVER BED		I = 1/18.3, ℓ = 1200							I = 1/18.1, ℓ = 1200							
LOWEST RIVER BED HEIGHT	641.20	649.95	652.40	664.00	675.05	683.80	697.80	709.30	713.05	722.80	730.75	739.45	745.60	766.80	772.80	779.40
ACCUMULATED DISTANCE	2 800	2 950	3 000	3 200	3 400	3 600	3 800	4 000	4 100	4 200	4 400	4 600	4 800	5 000	5 200	5 300
DISTANCE	200	150	50	200	200	200	200	200	100	100	200	200	200	200	200	100

REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K. BLONGKENG	DATE	MARECH. 1980
	SCALE	V = 1 : 1000 H = 1 : 20000
DWG. NO. 09	9/24	
J.I.C.A. JAPAN INTERNATIONAL COOPERATION AGENCY		



LOCATION MAP



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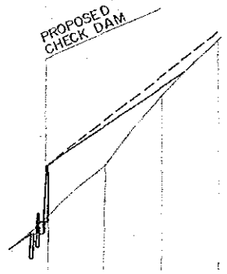
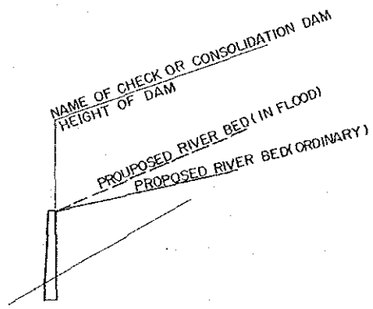
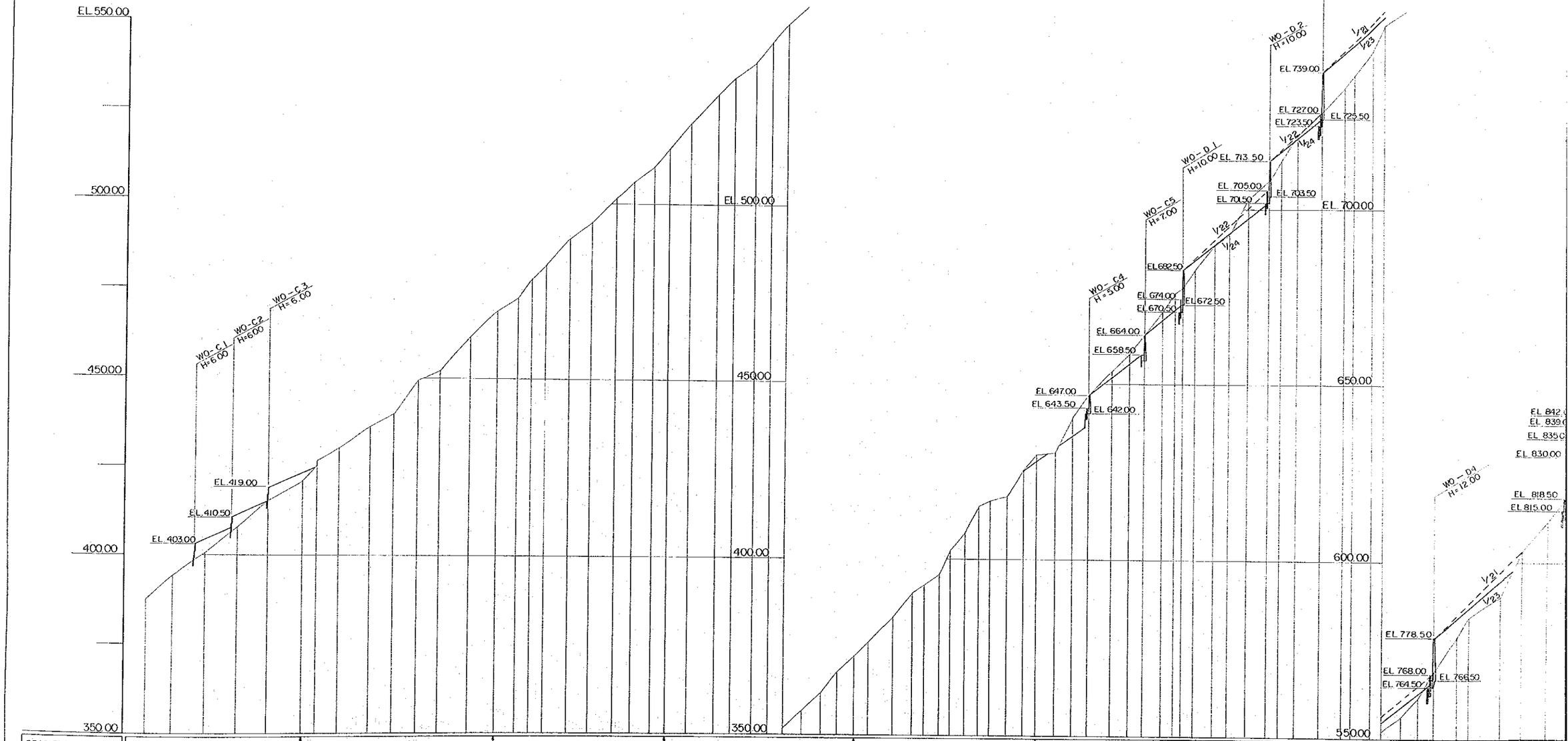




REMARK

THIS PROFILE WAS MADE BY JAPANESE STUDY TEAM IN 1979.

REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K.LAMAT	DATE	MARECH. 1980
	SCALE	V = 1:1000 H = 1:20000
DWG. NO.10		10/24
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		


EL. 550.00
500.00
450.00
400.00
350.00
WO-C1 H=6.00
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EL. 410.50
EL. 403.00
EL. 500.00
450.00
400.00
350.00
WO-D3 H=13.50
WO-D2 H=10.00
WO-D1 H=10.00
WO-C5 H=7.00
WO-C4 H=5.00
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EL 729.50
EL 713.50
EL 705.00
EL 703.50
EL 700.00
EL 682.50
EL 674.00
EL 670.50
EL 672.50
EL 664.00
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EL 642.00
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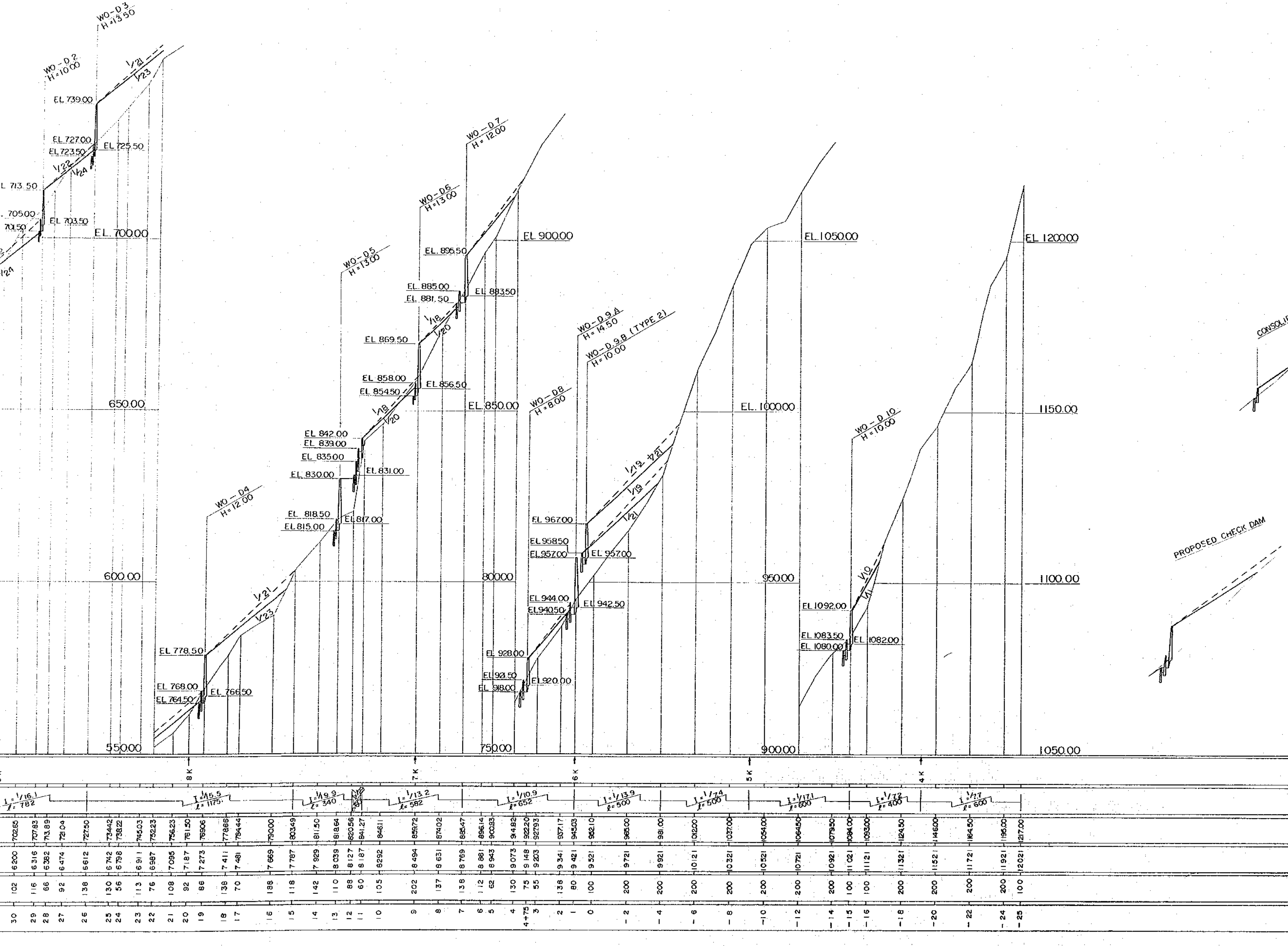
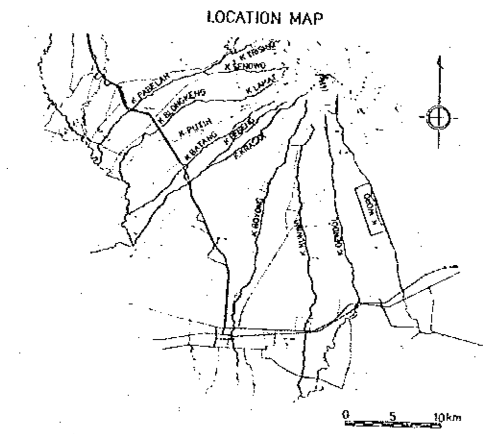
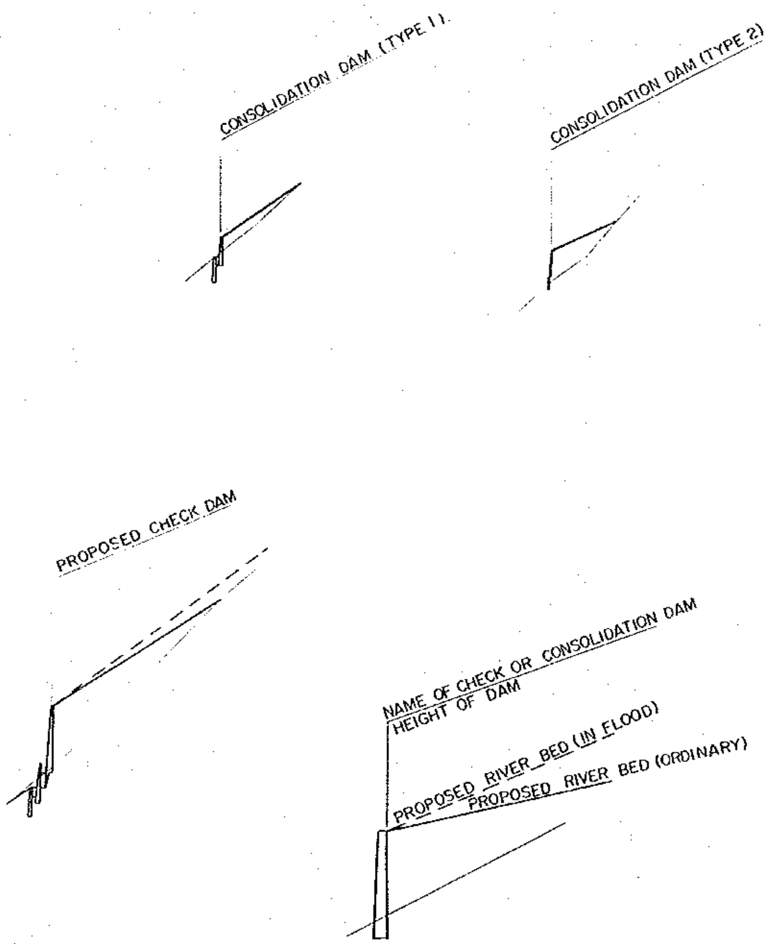
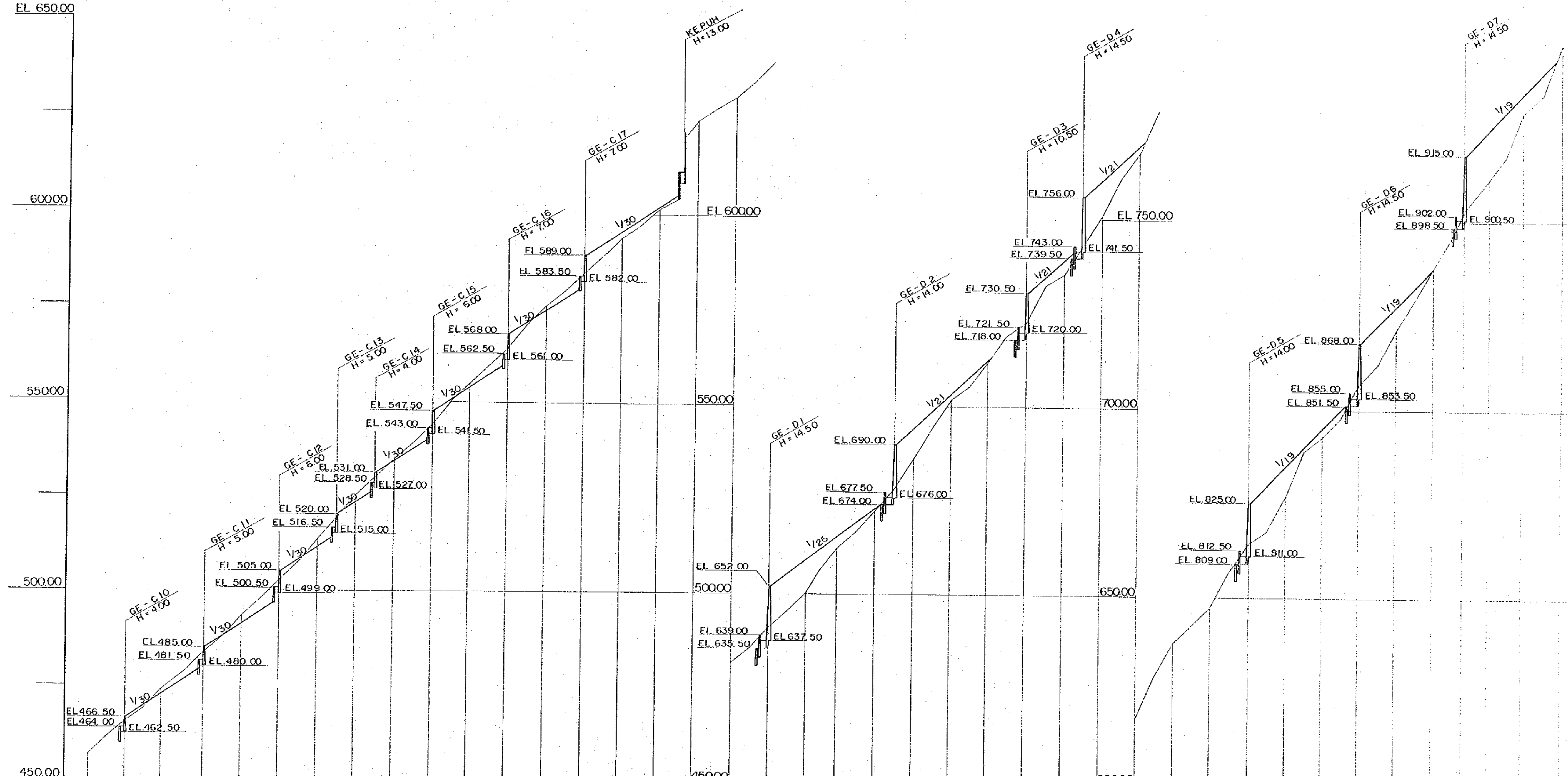
600.00
550.00
WO-D4 H=12.00
EL 818.50
EL 815.00
EL 778.50
EL 768.00
EL 764.50
EL 766.50
GRADIENT OF PROPOSED RIVER BED
14K
13K
12K
11K
10K
9K
8K
GRADIENT OF ORIGINAL RIVER BED
I=1/25.2 L=1825
I=1/19.7 L=1960
I=1/18.1 L=1722
I=1/17.0 L=523
I=1/16.1 L=782
I=1/15.5 L=1175.
LOWEST RIVER BED HEIGHT
ACCUMULATED DISTANCE
DISTANCE
STATION



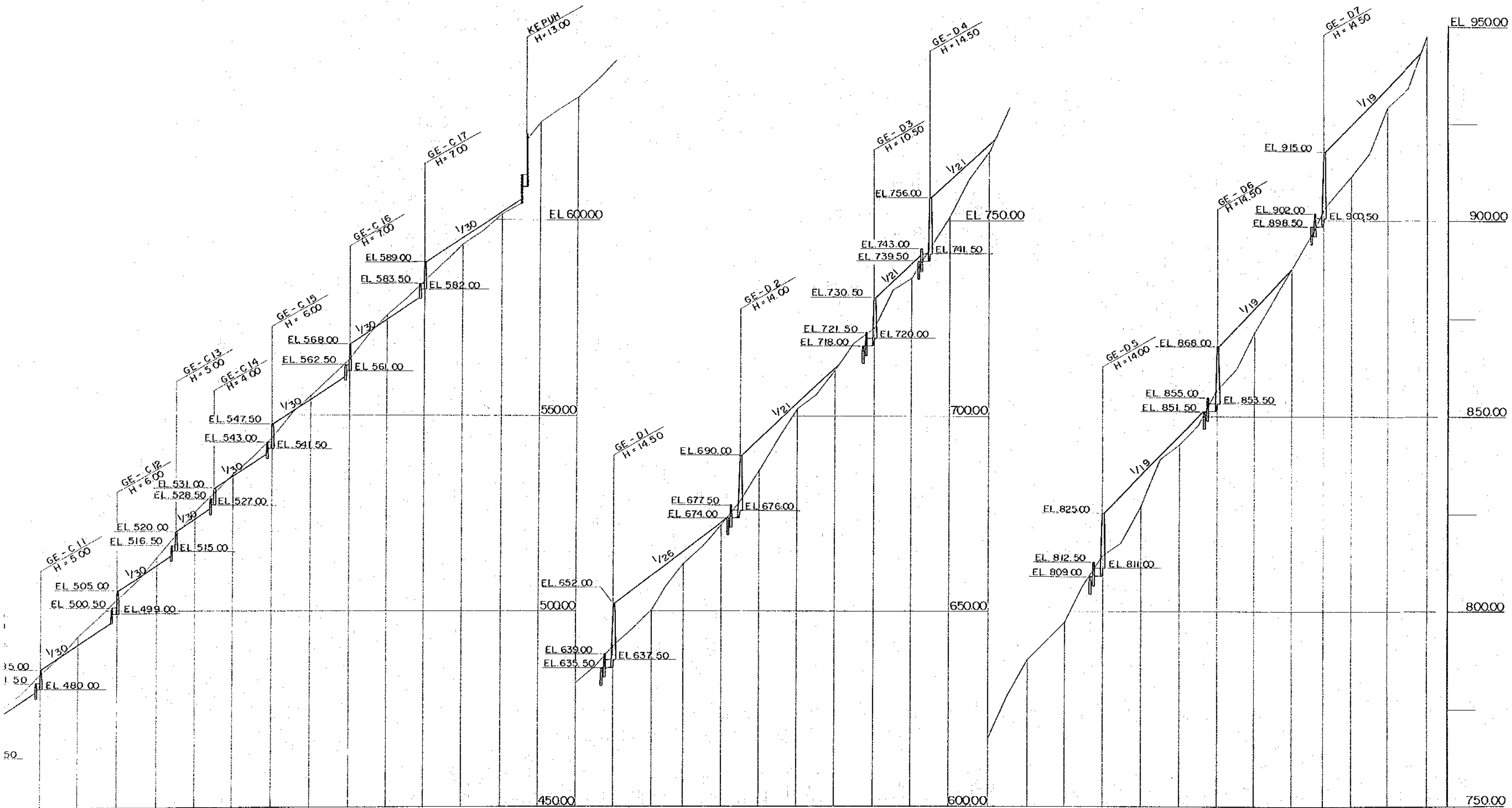




REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT MERAPI		
GENERAL LONGITUDINAL	DATE	MARECH. 1980
PROFILE OF K.WORO	SCALE	V=1:1000 H=1:20000
DWG. NO. 11		11/24
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		



STATION	DISTANCE	ACCUMULATED DISTANCE	LOWEST RIVER BED HEIGHT	DISTANCE FROM THE SUMMIT OF G. MERAPI	GRADIENT OF ORIGINAL RIVERBED
8	0	0	456.95	13 K	
10	199.3	199.3	465.60		
12	199.0	398.3	473.97		
14	201.7	600.0	483.49		
16	199.1	799.1	493.25		
18	196.6	995.7	502.08	12K	
20	197.5	1193.2	513.37		I = 1/20.0 ℓ = 2268
22	197.4	1390.6	525.15		
24	196.4	1587.0	534.36		
26	197.4	1784.4	543.72		
28	193.9	1978.3	554.84	11 K	
30	195.6	2173.9	563.87		
32	195.7	2369.6	575.37		
34	196.3	2565.9	584.22		
36	197.9	2763.8	593.21		
38	197.8	2961.6	601.13	10 K	
40	193.3	3154.4	624.78		
42	197.9	3352.8	631.37		I = 1/17.6 ℓ = 1733
44	197.3	3550.1	640.89	9 K	
46	194.7	3744.8	650.42		
48	160.5	3905.3	662.26		
50	197.0	4102.3	641.94		
52	195.0	4297.3	685.99		
54	193.0	4490.3	701.85		
56	194.0	4684.3	711.71		
58	196.0	4880.3	722.64		
60	198.0	5078.3	735.29	8 K	I = 1/14.0 ℓ = 1661
62	196.0	5274.3	750.71		
64	197.5	5471.8	767.33		
66	197.0	5668.8	787.67		
68	192.5	5861.3	797.00		
70	197.0	6058.3	814.31	7 K	
72	182.0	6240.3	827.04		
74	193.0	6433.3	842.29		
76	190.0	6623.3	856.87		I = 1/12.8 ℓ = 1544
78	188.0	6811.3	871.43		
80	193.5	7004.8	887.56	6 K	
82	163.0	767.8	902.96		
84	237.5	7405.3	917.19		
86	190.5	7556.8	933.92		
88	178.0	7773.8	950.54		

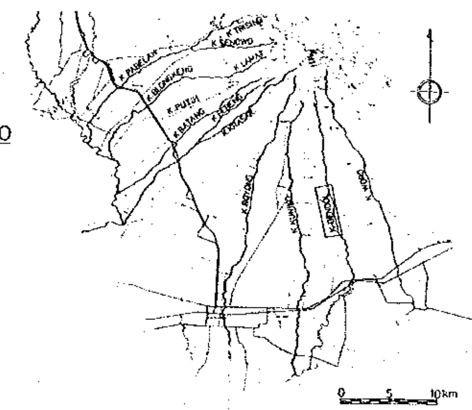


12K · 11K · 10K · 9K · 8K · 7K · 6K

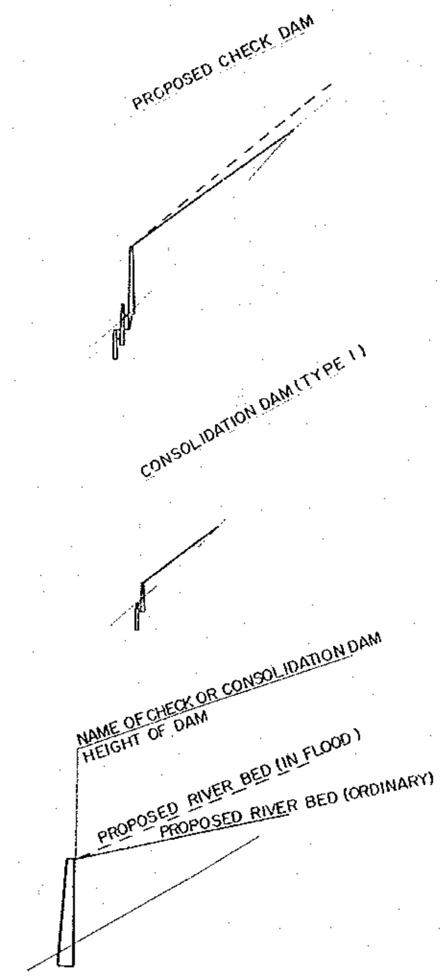
I = 1/20.0, ℓ = 2268 · I = 1/17.6, ℓ = 1733 · I = 1/14.0, ℓ = 1661 · I = 1/12.8, ℓ = 1544

14	201.7	600.0	483.49
16	199.1	799.1	493.25
18	196.6	995.7	502.08
20	197.5	1193.2	513.37
22	197.4	1390.6	525.15
24	196.4	1587.0	534.36
26	197.4	1784.4	543.72
28	193.9	1978.3	554.84
30	195.6	2173.9	563.87
32	195.7	2369.6	575.37
34	196.3	2565.9	584.22
36	197.9	2763.8	593.21
38	197.8	2961.6	601.13
40	193.3	3154.4	624.78
42	197.9	3352.8	631.37
44	197.3	3550.1	640.89
46	194.7	3744.8	650.42
48	160.5	3905.3	662.26
50	197.0	4102.3	641.94
52	195.0	4297.3	685.99
54	193.0	4490.3	701.85
56	194.0	4684.3	711.71
58	196.0	4880.3	722.64
60	198.0	5078.3	735.29
62	196.0	5274.3	750.71
64	197.5	5471.8	767.33
66	197.0	5668.8	787.67
68	192.5	5861.3	797.00
70	197.0	6058.3	814.31
72	182.0	6240.3	827.04
74	193.0	6433.3	842.29
76	190.0	6623.3	856.87
78	188.0	6811.3	871.43
80	193.5	7004.8	887.56
82	163.0	767.8	902.96
84	237.5	7405.3	917.19
86	190.5	7595.8	933.92
88	178.0	7773.8	950.54

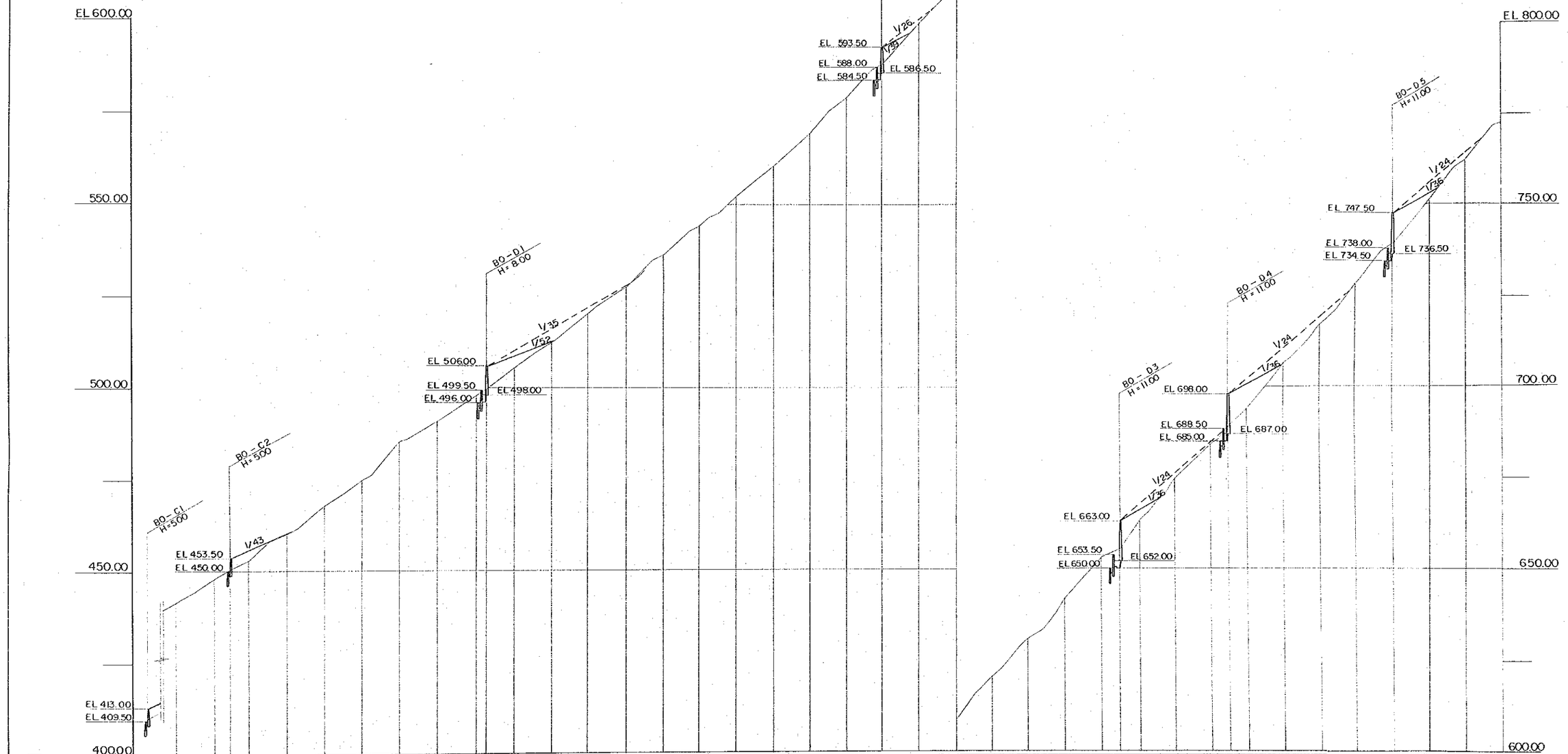
LOCATION MAP

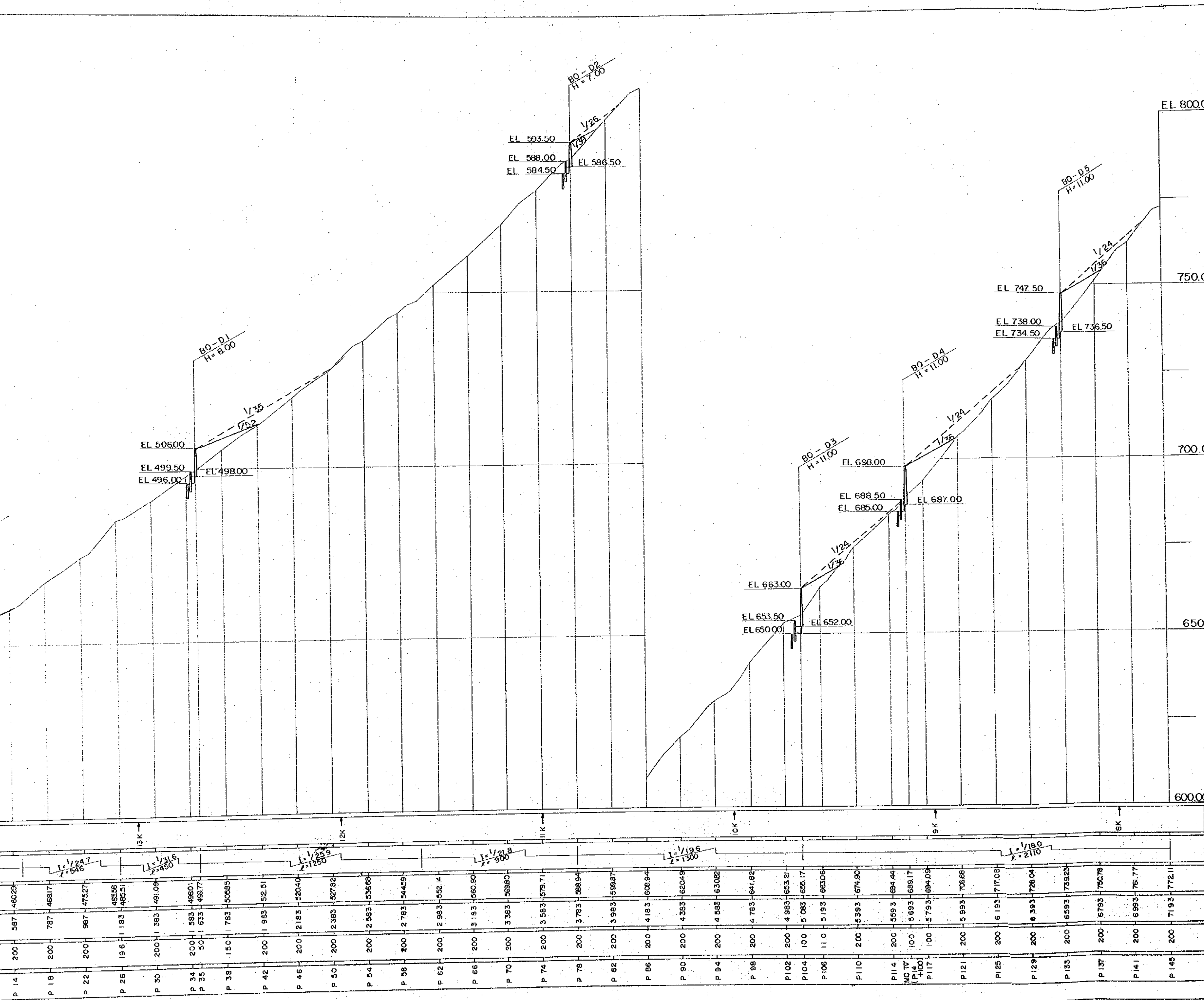


LEGEND

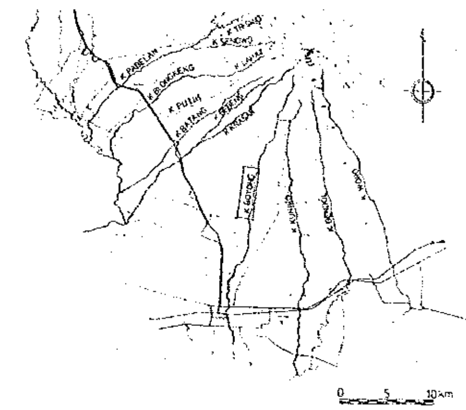


REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K. GENDOL	DATE	MARECH. 1980
	SCALE	V = 1:1000 H = 1:20000
DWG. NO. 12	12/24	
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		

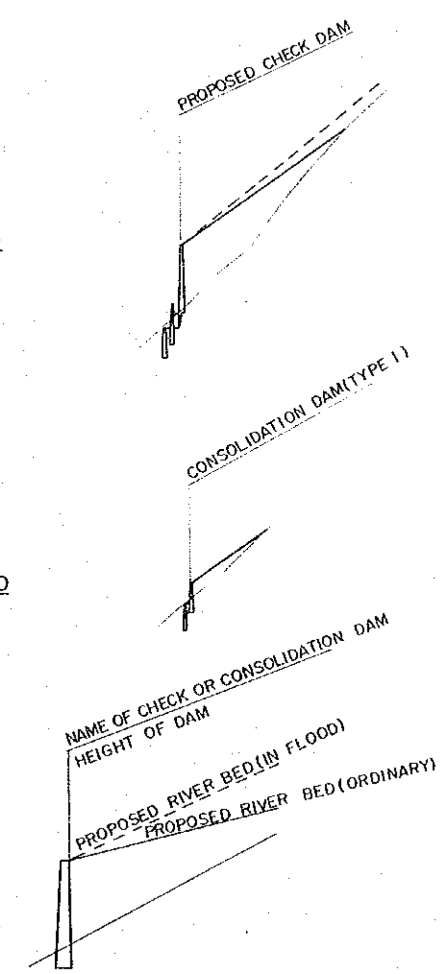

EL 600.00
550.00
500.00
450.00
EL 413.00
EL 409.50
400.00
EL 800.00
750.00
700.00
650.00
600.00
B0 - D1
H = 8.00
B0 - D2
H = 7.00
B0 - D3
H = 11.00
B0 - D4
H = 11.00
B0 - D5
H = 11.00
B0 - C1
H = 5.00
B0 - C2
H = 5.00
EL 506.00
EL 499.50
EL 496.00
EL 498.00
EL 593.50
EL 588.00
EL 584.50
EL 586.50
EL 453.50
EL 450.00
EL 698.00
EL 688.50
EL 685.00
EL 687.00
EL 747.50
EL 738.00
EL 734.50
EL 736.50
EL 663.00
EL 653.50
EL 650.00
EL 652.00
1/35
1/52
1/26
1/39
1/43
1/24
1/36
DISTANCE FROM THE SUMMIT OF G. MERAPI
13K
12K
11K
10K
9K
8K
GRADIENT OF ORIGINAL RIVER BED
I = 1/32.5 L = 637
I = 1/24.7 L = 546
I = 1/31.6 L = 450
I = 1/29.9 L = 1250
I = 1/21.8 L = 900
I = 1/19.6 L = 1300
I = 1/180 L = 2110
LOWEST RIVER BED HEIGHT
410.00 441.92 448.14 450.92 453.15 460.29 468.17 475.27 483.58 485.51 491.09 498.01 499.77 505.85 512.51 520.40 527.82 536.68 544.59 552.14 560.90 569.80 579.71 588.94 596.87 608.94 620.49 630.82 641.82 653.21 665.17 683.06 674.90 684.44 689.17 694.09 705.85 717.08 728.04 739.23 750.78 761.77 772.11
ACCUMULATED DISTANCE
1100 0 206 297 387 587 787 987 1183 1383 1583 1633 1783 1983 2183 2383 2583 2783 2983 3183 3383 3583 3783 3983 4183 4383 4583 4783 4983 5083 5193 5393 5593 5693 5793 5993 6193 6393 6593 6793 6993 7193
DISTANCE
1100 0 206 91 90 200 200 200 196 200 200 50 150 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 100 110 200 200 100 100 200 200 200 200 200 200 200
STATION
P 1 P 0 P 5 P 8 P 10 P 14 P 18 P 22 P 26 P 30 P 34 P 35 P 38 P 42 P 46 P 50 P 54 P 58 P 62 P 66 P 70 P 74 P 78 P 82 P 86 P 90 P 94 P 98 P 102 P 104 P 106 P 110 P 114 NID 17 (P 114 +100) P 117 P 121 P 125 P 129 P 133 P 137 P 141 P 145



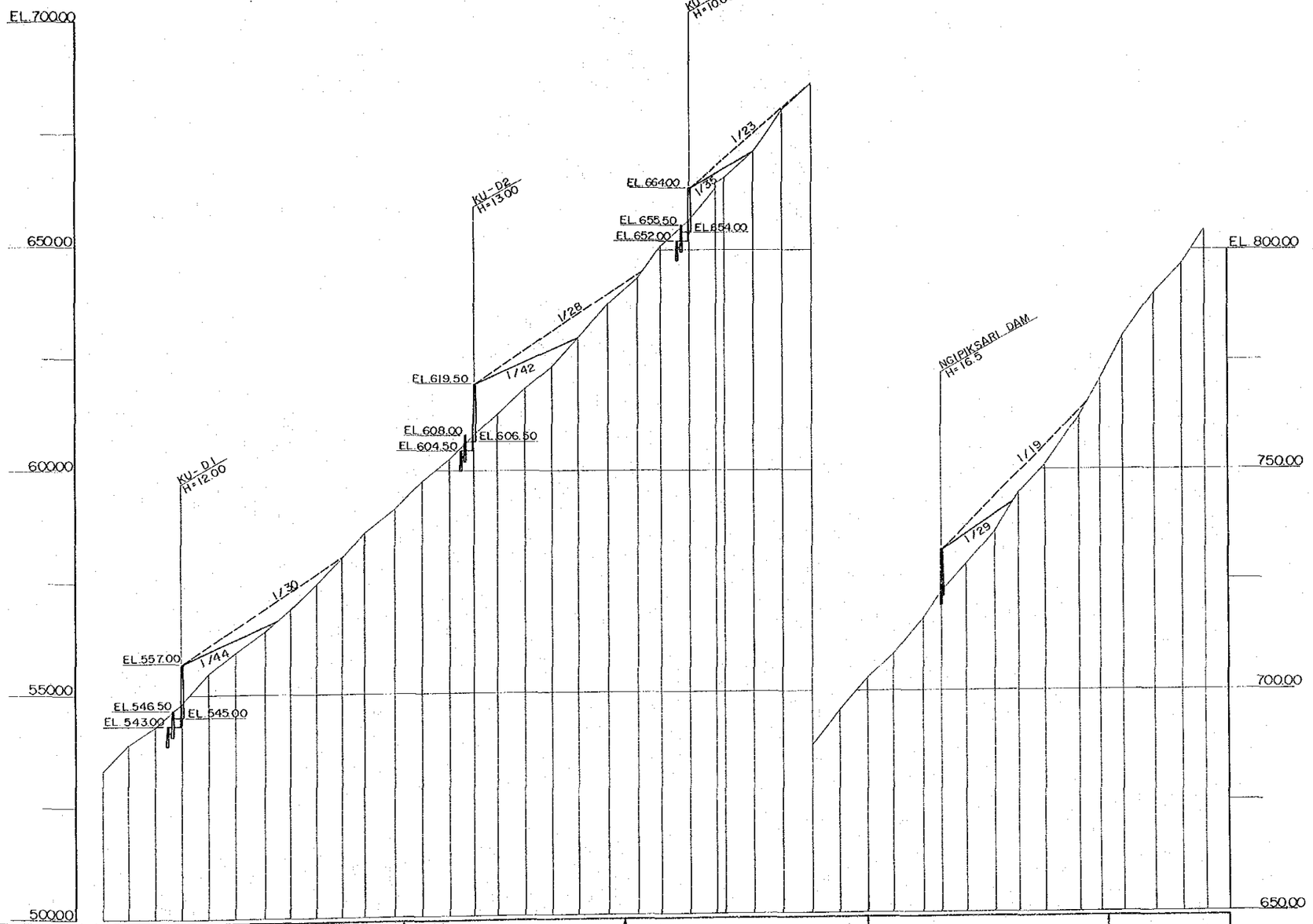
LOCATION MAP



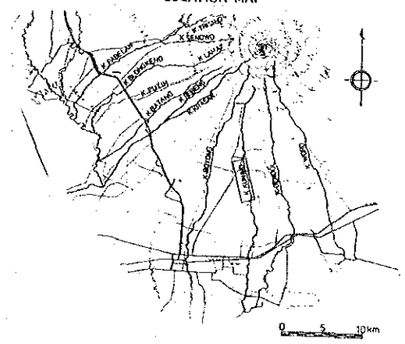
LEGEND



REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K. BOYONG	DATE	MARECH. 1980
	SCALE	V = 1 : 1000 H = 1 : 20000
DWG. NO. 13	13/24	
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		



LOCATION MAP



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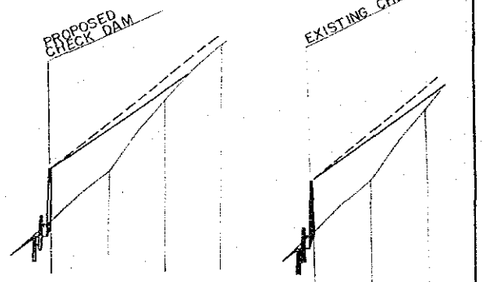
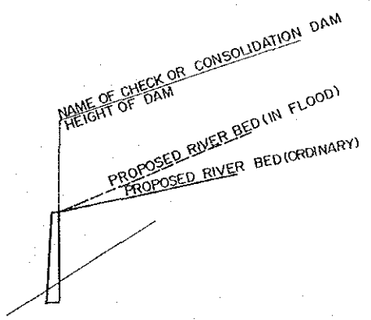




REMARK

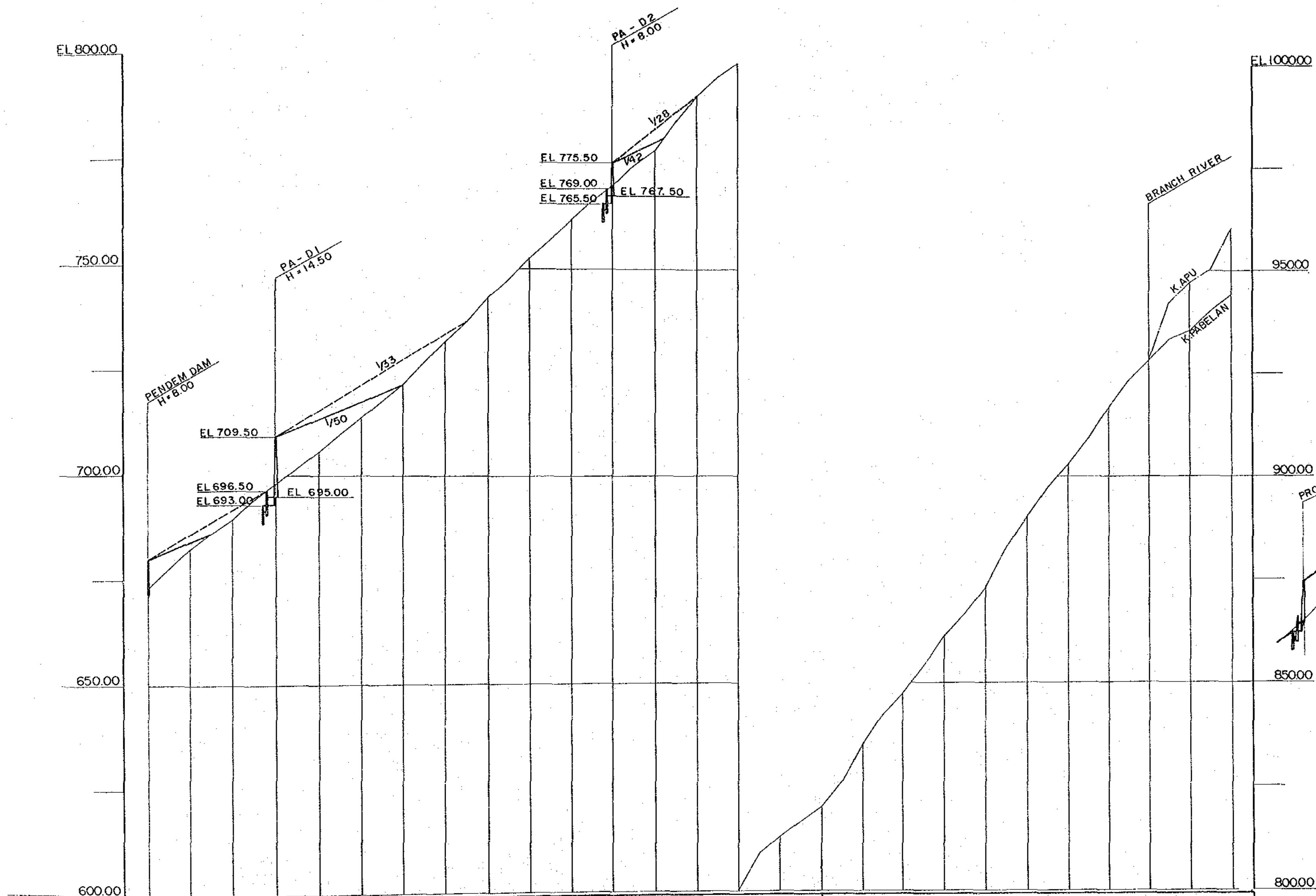
THIS PROFILE WAS MADE BY MERAPI OFFICE IN 1978.

REPUBLIC OF INDONESIA

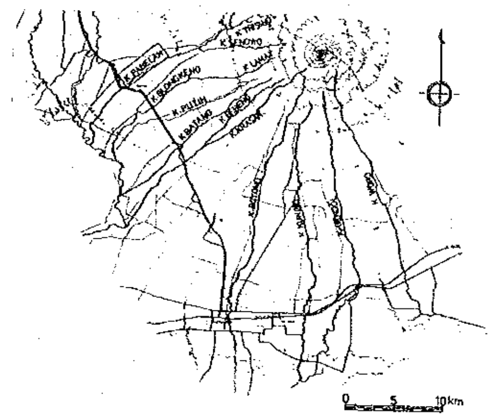
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI

GENERAL LONGITUDINAL PROFILE OF K. KUNING	DATE	MARECH. 1980
	SCALE	V= 1: 1000 H= 1: 20000
DWG. NO. 14		14/24

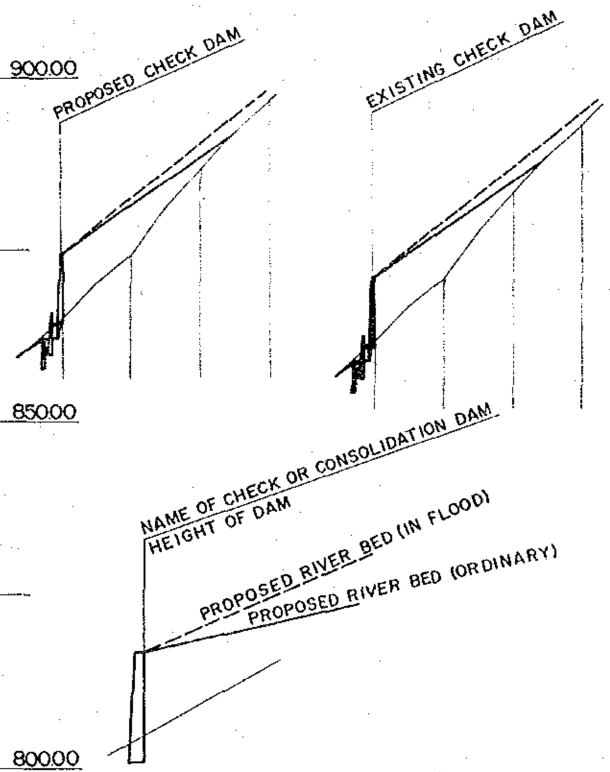
J.I.C.A
JAPAN INTERNATIONAL COOPERATION AGENCY



LOCATION MAP



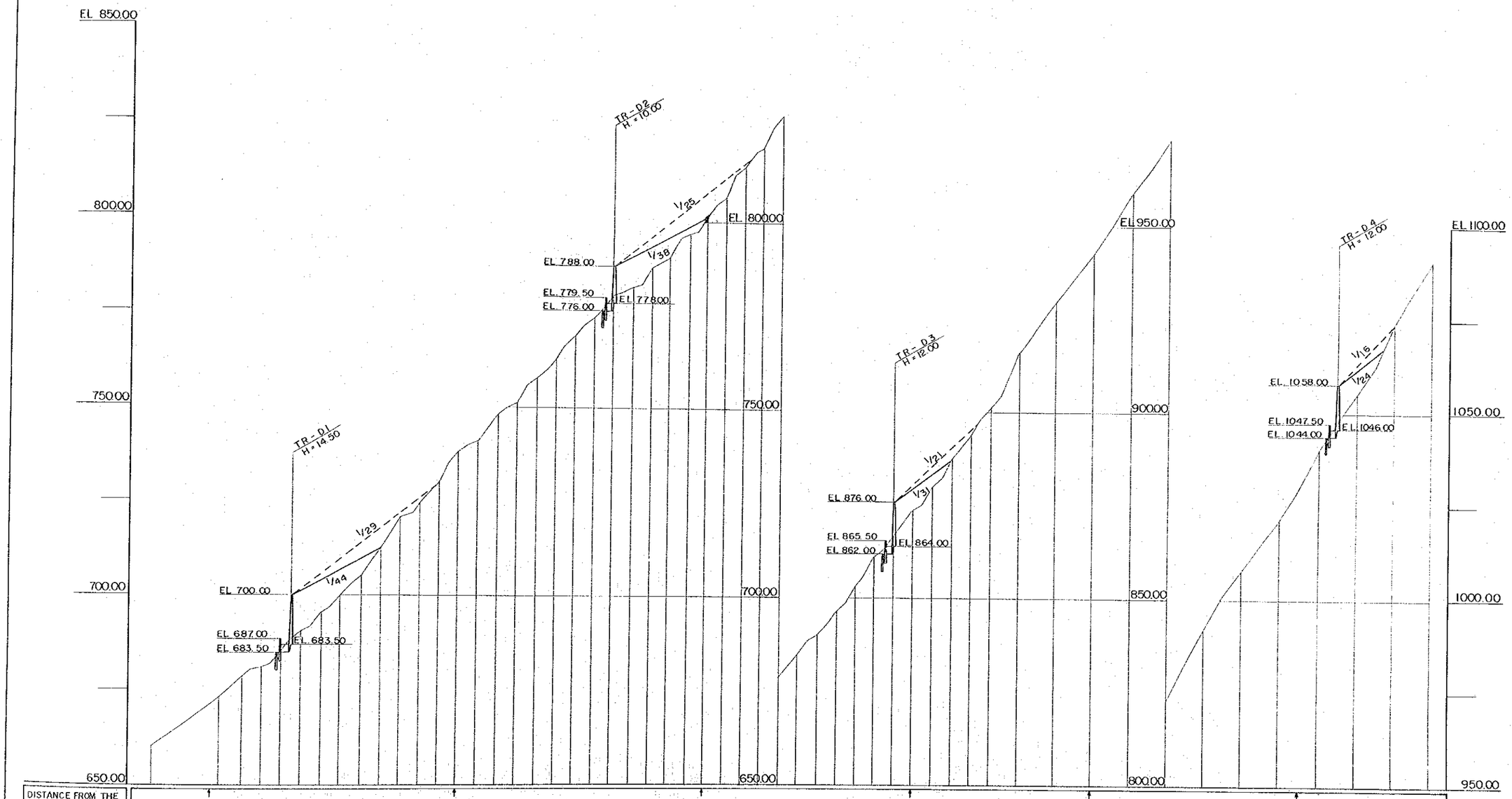
LEGEND



STATION	0	2	4	6	8	10	12	14	16	18	20	22	24
DISTANCE FROM THE SUMMIT OF G.MERAPI		12K					11K					10K	
GRADIENT OF ORIGINAL RIVER BED	I = 1/24.7, L = 1200						I = 1/12.1, L = 1200						
LOWEST RIVER BED HEIGHT	673.50	682.50	690.50	698.00	705.50	714.00	722.00	732.50	743.00	753.00	762.00	770.00	779.00
ACCUMULATED DISTANCE	0	200	400	600	800	1 000	1 200	1 400	1 600	1 800	2 000	2 200	2 400
DISTANCE	0	200	200	200	200	200	200	200	200	200	200	200	200

STATION	26	28	30	32	34	36	38	40	42	44	46	48	50	52
DISTANCE FROM THE SUMMIT OF G.MERAPI				9K										
GRADIENT OF ORIGINAL RIVER BED		I = 1/19.2, L = 1200					I = 1/13.5, L = 1100							
LOWEST RIVER BED HEIGHT	792.00	800.00	813.00	820.00	835.00	841.50	861.50	873.00	890.00	903.00	916.50	928.00	935.00	944.00
ACCUMULATED DISTANCE	2 600	2 800	3 000	3 200	3 400	3 600	3 800	4 000	4 200	4 400	4 600	4 800	5 000	5 200
DISTANCE	200	200	200	200	200	200	200	200	200	200	200	200	200	200

REPUBLIC OF INDONESIA		
MASTER PLAN FOR LAND EROSION AND VOLCANIC DEBRIS CONTROL IN THE AREA OF MT. MERAPI		
GENERAL LONGITUDINAL PROFILE OF K.PABELAN	DATE	MARECH 1980
	SCALE	V 1:1000 H 1:20000
DWG. NO. 15	15/24	
J.I.C.A JAPAN INTERNATIONAL COOPERATION AGENCY		


EL 850.00
800.00
750.00
700.00
650.00
TR - D2
H = 16.00
1/25
1/38
EL 800.00
EL 788.00
EL. 779.50
EL. 776.00
EL 778.00
750.00
TR - D1
H = 14.50
1/29
1/44
EL 700.00
EL 687.00
EL 683.50
EL. 683.50
700.00
TR - D3
H = 12.00
EL 950.00
1/21
1/31
EL 876.00
EL 865.50
EL 862.00
EL 864.00
900.00
850.00
800.00
TR - D4
H = 12.00
EL 1100.00
1/15
1/24
EL 1058.00
EL 1047.50
EL 1044.00
EL 1046.00
1050.00
1000.00
950.00
LEGEN
NAM
HE
DISTANCE FROM THE SUMMIT OF G. MERAPI
11K
10K
9K
8K
7K
6K
GRADIENT OF ORIGINAL RIVER BED
I = 1/220 i = 674
I = 1/18.8 i = 1898
I = 1/15.4 i = 1525
I = 1/120 i = 1400
LOWEST RIVER BED HEIGHT
673.24 679.20 681.07 685.30 690.78 695.90 699.86 705.08 712.65 720.78 724.73 729.65 738.20 740.90 748.25 751.22 757.90 762.77 769.20 774.00 780.15 782.47 787.77 790.47 796.84 801.00 808.35 814.81 819.74 828.79 834.81 839.96 846.46 853.18 861.20 866.59 873.45 879.88 887.19 893.88 901.07 916.00 930.00 942.50 955.00 973.00 991.00 1007.50 1021.50 1040.50 1055.00 1073.50 1090.00
ACCUMULATED DISTANCE
0 116 216 316 414 518 614 724 826 926 1028 1126 1224 1324 1424 1524 1630 1732 1832 1934 2034 2134 2232 2328 2428 2522 2624 2724 2822 2926 3020 3126 3228 3331 3431 3536 3636 3740 3842 3948 4046 4198 4398 4598 4798 4998 5198 5398 5598 5798 5998 6198 6398
DISTANCE
0 116 100 100 98 104 96 110 102 100 102 98 98 100 100 100 106 102 100 102 100 100 98 96 100 94 102 100 98 104 94 106 102 103 100 105 100 104 102 98 106 152 200 200 200 200 200 200 200 200 200 200 200
STATION
82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 -2 -4 -6 -8 -10 -12 -14 -16 -18 -20 -22