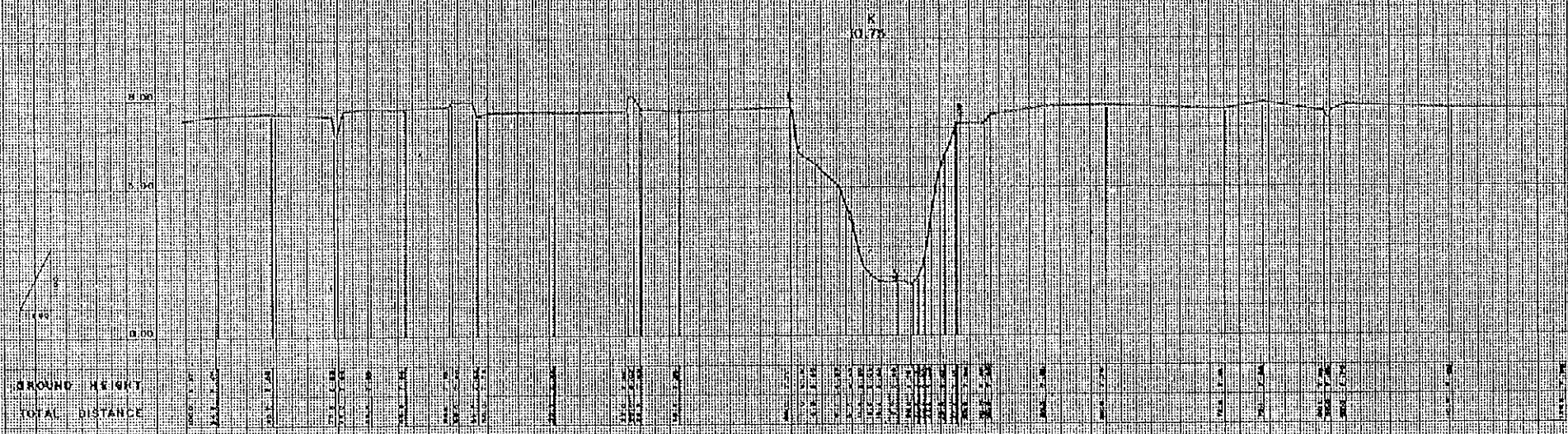
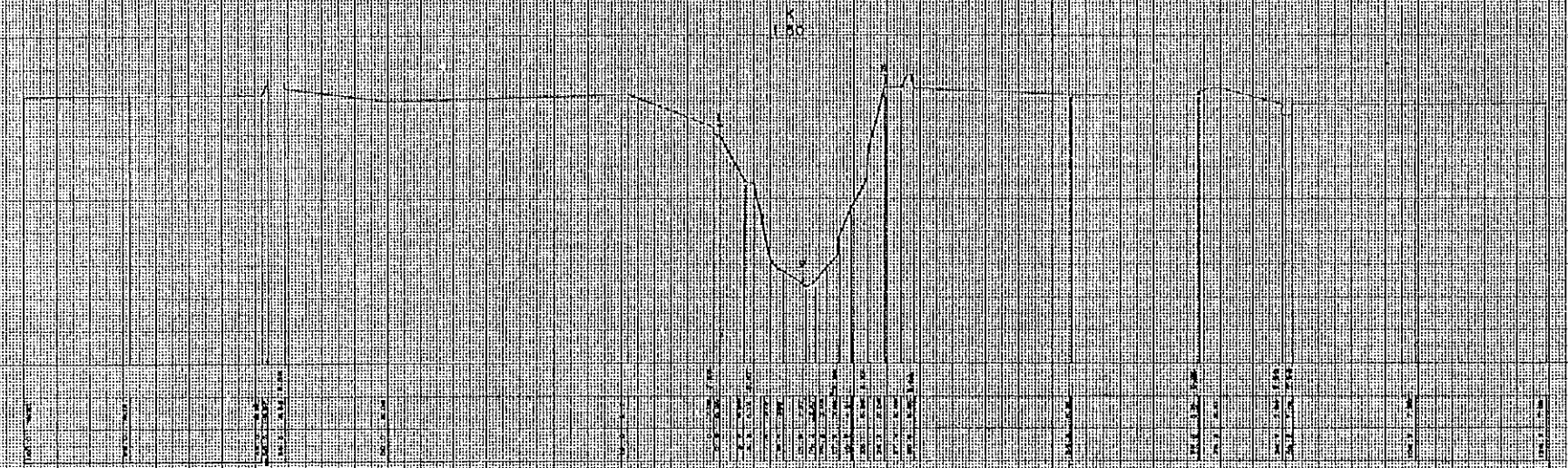

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 MINISTRY OF PUBLIC WORKS
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES
 DEVELOPMENT AND FEASIBILITY STUDY
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
 FOR SEMARANG CITY AND SURBURGS
 CROSS SECTION 9.75—1000
BLORONG RIVER
 DECEMBER 1992
 SHEET NO. 18/24
 JAPAN INTERNATIONAL COOPERATION AGENCY



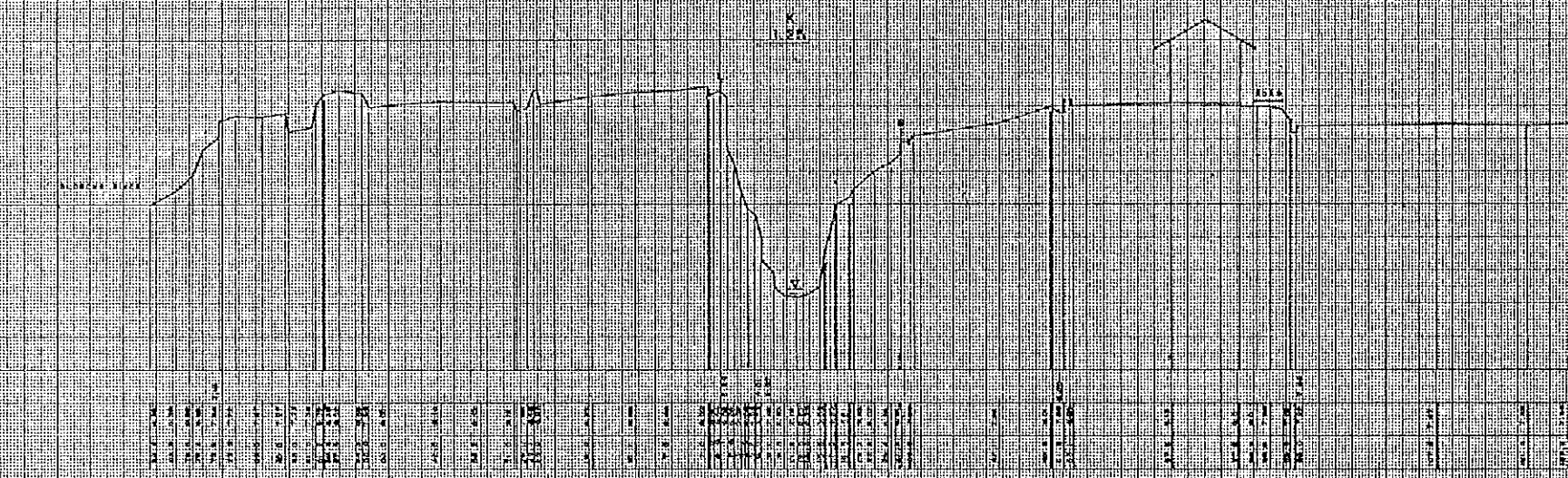
THE REPUBLIC OF INDONESIA
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 DEVELOPMENT AND FEASIBILITY STUDY
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION 10.25—10.75
BORONG RIVER
 DECEMBER 1992 SHEET NO. 10/24
 JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT
TOTAL DISTANCE



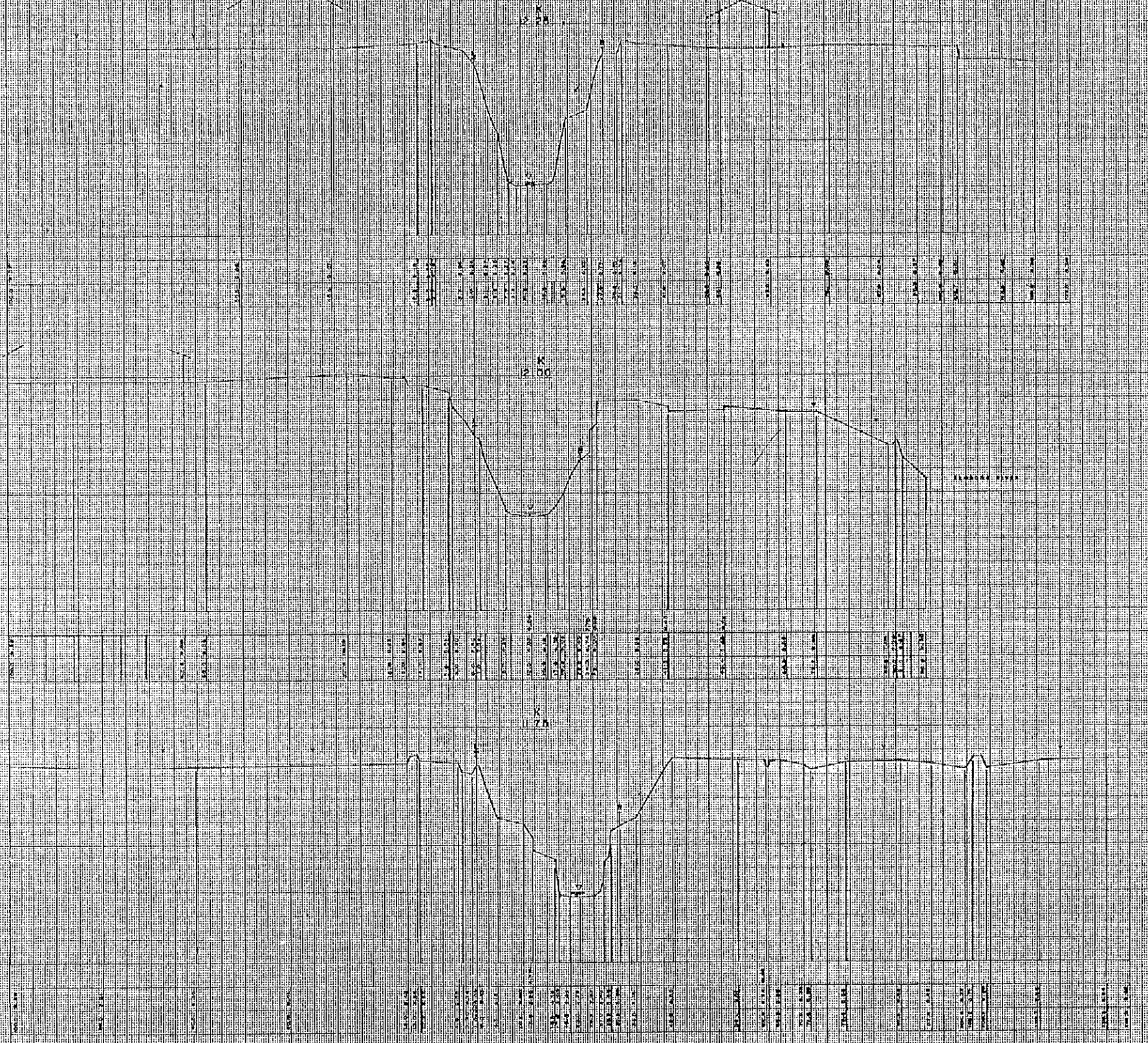
GROUND HEIGHT
TOTAL DISTANCE



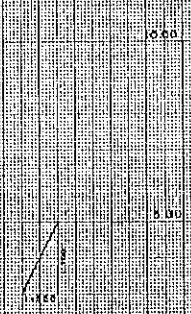
GROUND HEIGHT
TOTAL DISTANCE



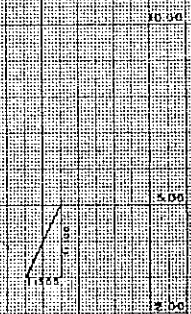
THE REPUBLIC OF INDONESIA
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MINISTRY OF PUBLIC WORKS
THE STUDY OF THE MASTER PLAN ON WATER RESOURCES
DEVELOPMENT AND FEASIBILITY STUDY
FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
FOR SEMARANG CITY AND SURBURGS
CROSS SECTION 11.00 — 11.50
BLORONG RIVER



THE REPUBLIC OF INDONESIA
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 DEVELOPMENT AND FEASIBILITY STUDY
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION 11.75—12.25
 BLORONG RIVER
 DECEMBER 1992 SHEET 10/18/24



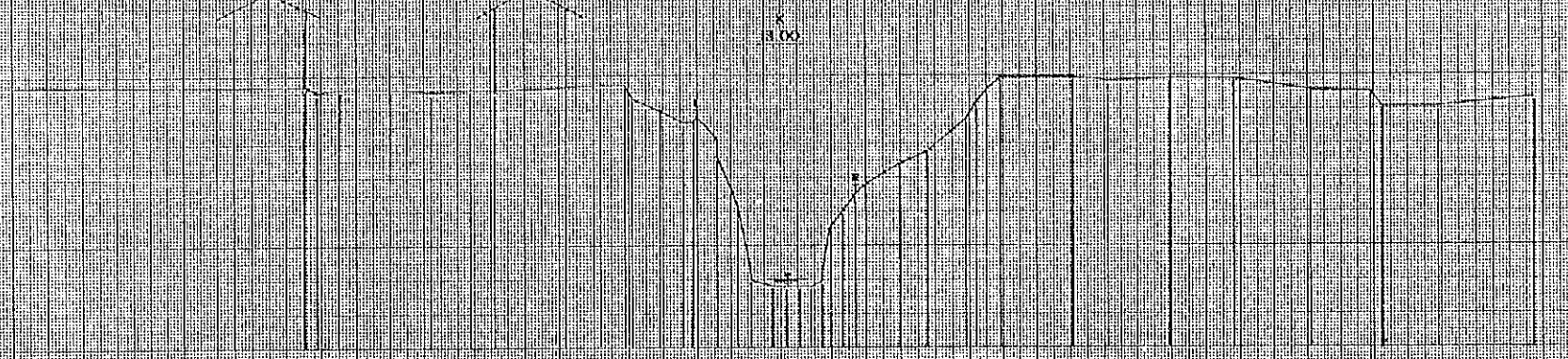
GROUND HEIGHT
TOTAL DISTANCE



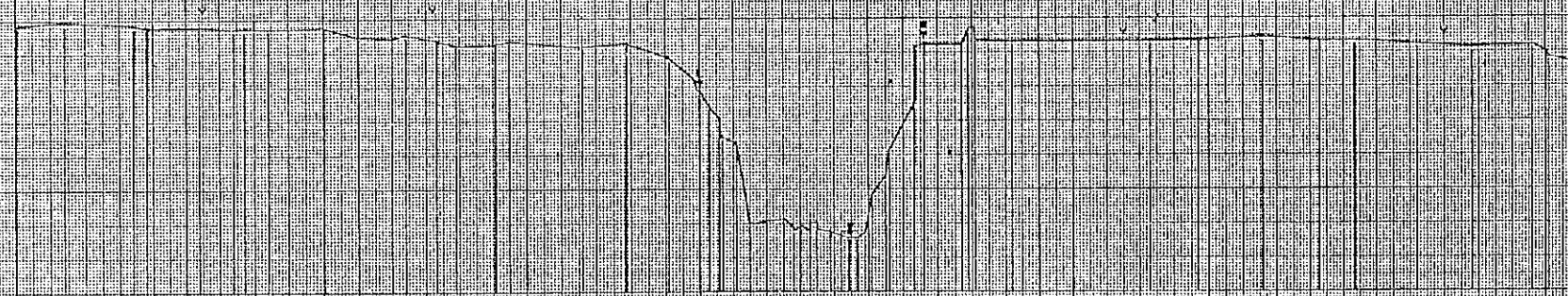
GROUND HEIGHT
TOTAL DISTANCE



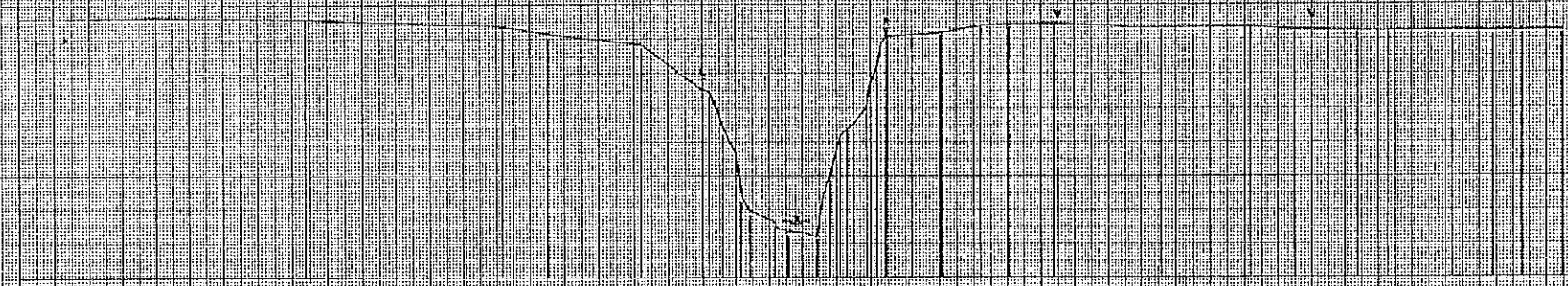
GROUND HEIGHT
TOTAL DISTANCE



0+00	10.00	10.00
0+10	10.00	10.00
0+20	10.00	10.00
0+30	10.00	10.00
0+40	10.00	10.00
0+50	10.00	10.00
0+60	10.00	10.00
0+70	10.00	10.00
0+80	10.00	10.00
0+90	10.00	10.00
0+100	10.00	10.00
0+110	10.00	10.00
0+120	10.00	10.00
0+130	10.00	10.00
0+140	10.00	10.00
0+150	10.00	10.00
0+160	10.00	10.00
0+170	10.00	10.00
0+180	10.00	10.00
0+190	10.00	10.00
0+200	10.00	10.00
0+210	10.00	10.00
0+220	10.00	10.00
0+230	10.00	10.00
0+240	10.00	10.00
0+250	10.00	10.00
0+260	10.00	10.00
0+270	10.00	10.00
0+280	10.00	10.00
0+290	10.00	10.00
0+300	10.00	10.00

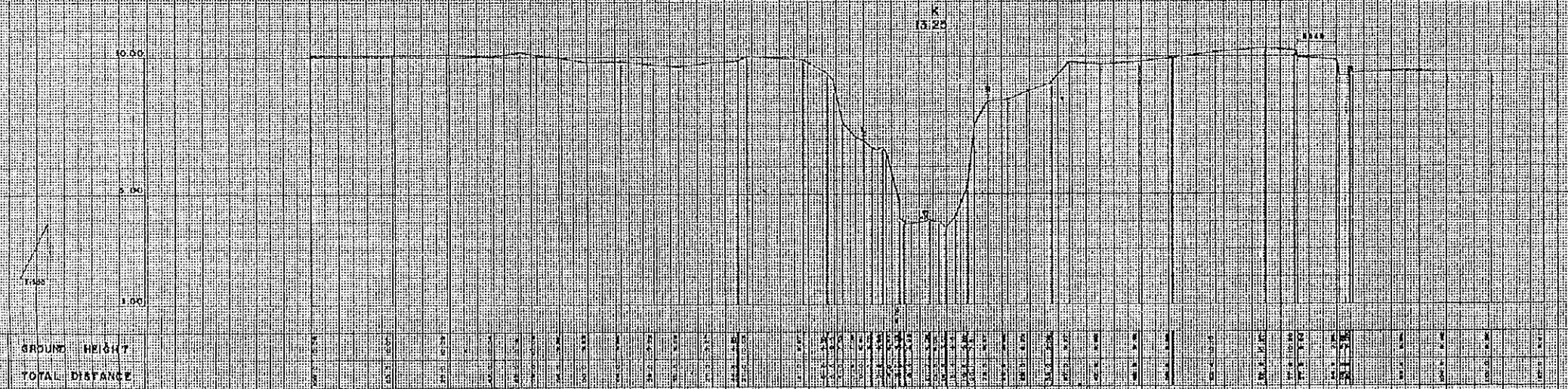
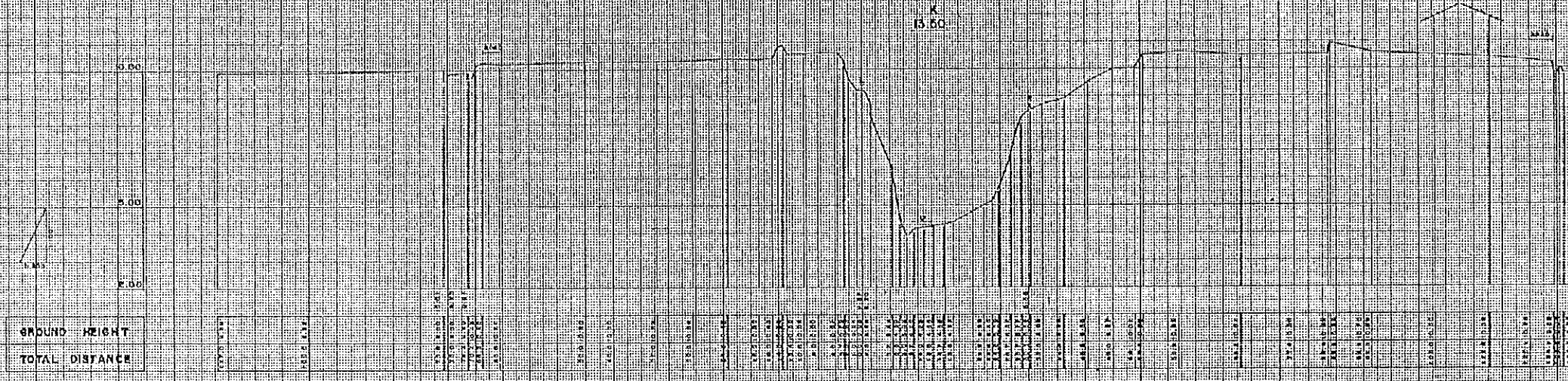
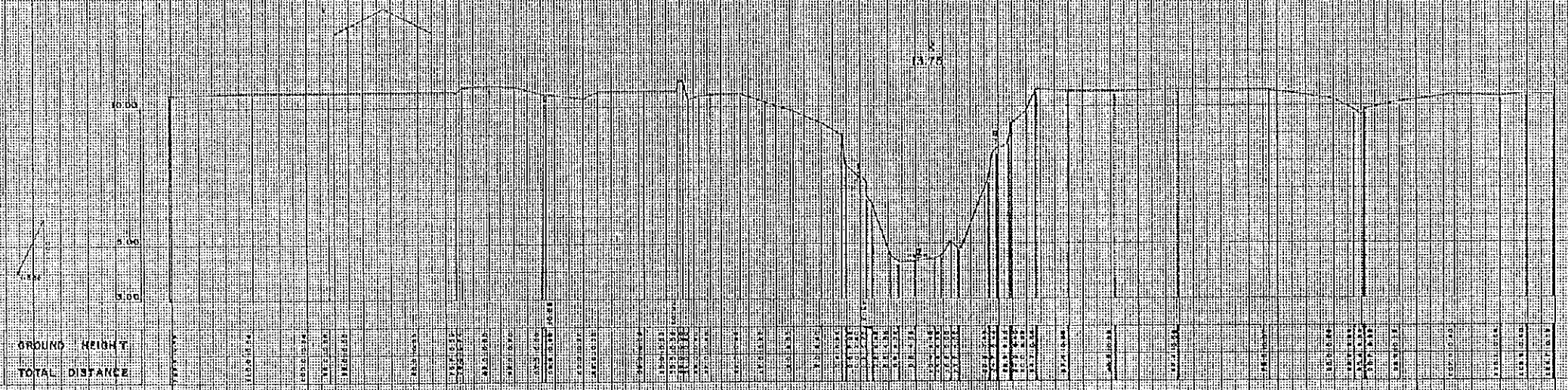


0+00	10.00	10.00
0+10	10.00	10.00
0+20	10.00	10.00
0+30	10.00	10.00
0+40	10.00	10.00
0+50	10.00	10.00
0+60	10.00	10.00
0+70	10.00	10.00
0+80	10.00	10.00
0+90	10.00	10.00
0+100	10.00	10.00
0+110	10.00	10.00
0+120	10.00	10.00
0+130	10.00	10.00
0+140	10.00	10.00
0+150	10.00	10.00
0+160	10.00	10.00
0+170	10.00	10.00
0+180	10.00	10.00
0+190	10.00	10.00
0+200	10.00	10.00
0+210	10.00	10.00
0+220	10.00	10.00
0+230	10.00	10.00
0+240	10.00	10.00
0+250	10.00	10.00
0+260	10.00	10.00
0+270	10.00	10.00
0+280	10.00	10.00
0+290	10.00	10.00
0+300	10.00	10.00

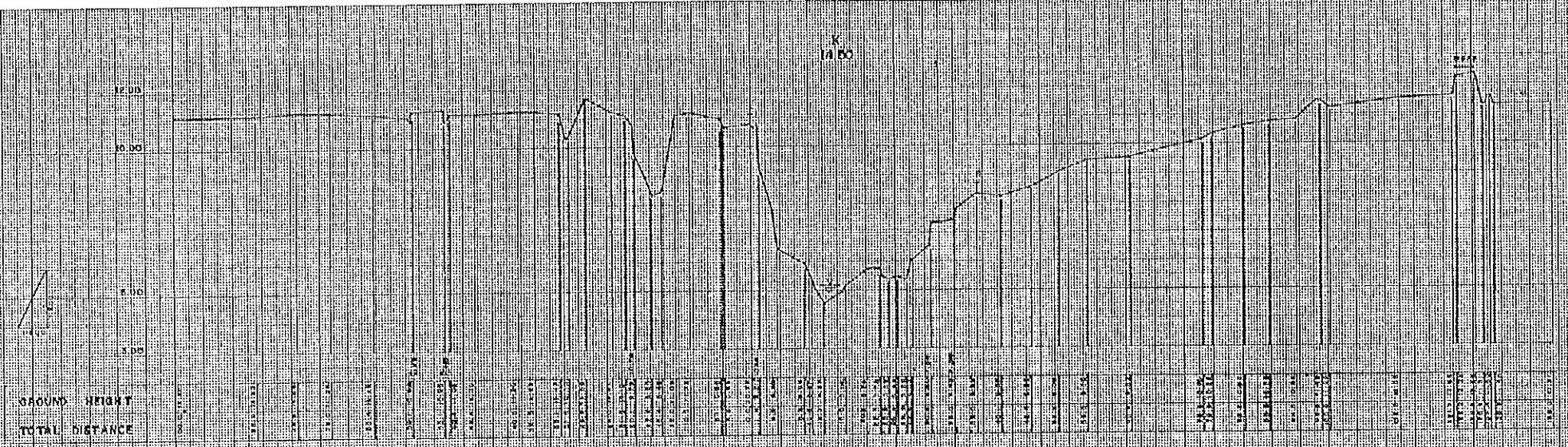


0+00	10.00	10.00
0+10	10.00	10.00
0+20	10.00	10.00
0+30	10.00	10.00
0+40	10.00	10.00
0+50	10.00	10.00
0+60	10.00	10.00
0+70	10.00	10.00
0+80	10.00	10.00
0+90	10.00	10.00
0+100	10.00	10.00
0+110	10.00	10.00
0+120	10.00	10.00
0+130	10.00	10.00
0+140	10.00	10.00
0+150	10.00	10.00
0+160	10.00	10.00
0+170	10.00	10.00
0+180	10.00	10.00
0+190	10.00	10.00
0+200	10.00	10.00
0+210	10.00	10.00
0+220	10.00	10.00
0+230	10.00	10.00
0+240	10.00	10.00
0+250	10.00	10.00
0+260	10.00	10.00
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0+280	10.00	10.00
0+290	10.00	10.00
0+300	10.00	10.00

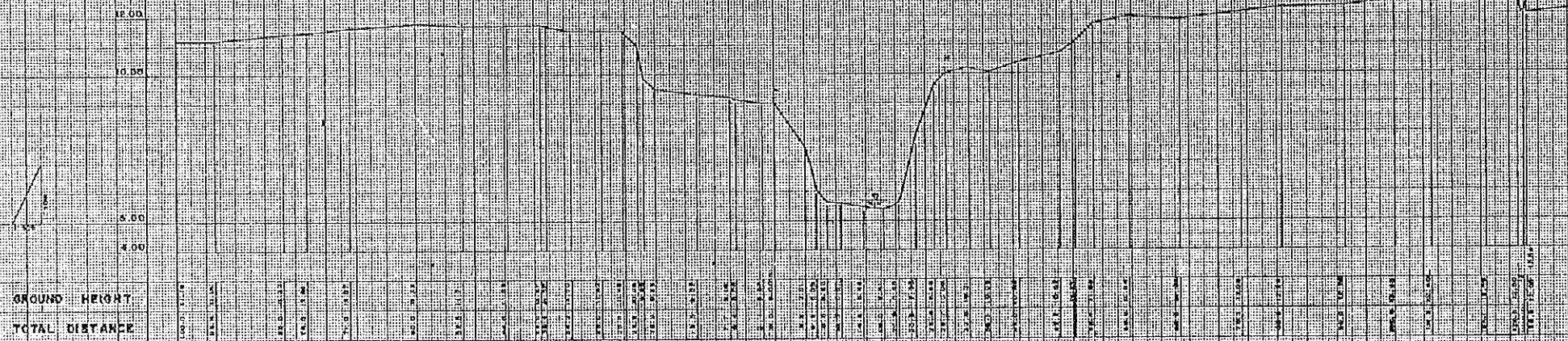
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 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION 12.50—13.00
 BLORONG RIVER
 DECEMBER 1992 SHEET NO. 19/24



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 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION 13.25—13.75
BLORONG RIVER
 DECEMBER 1992
 SHEET NO. 10/24
 JAPAN INTERNATIONAL COOPERATION AGENCY



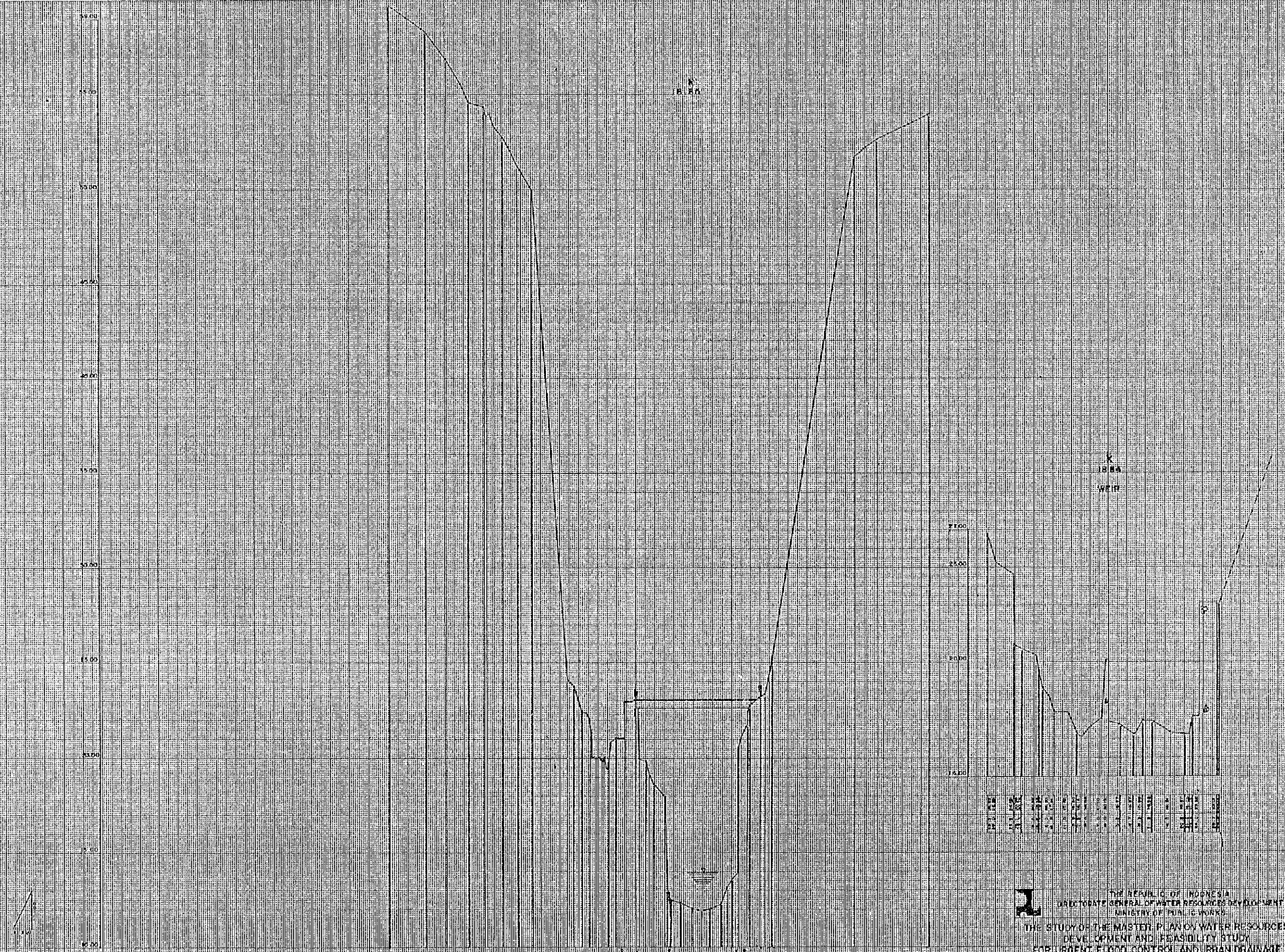
THE REPUBLIC OF INDONESIA
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 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES
 DEVELOPMENT AND FEASIBILITY STUDY
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION ON 14.00 — 14.50
BLDRONG RIVER
 DECEMBER 1992 SHEET 105 / 24
 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 14.75—15.00
BLORONG RIVER
 DECEMBER 1992

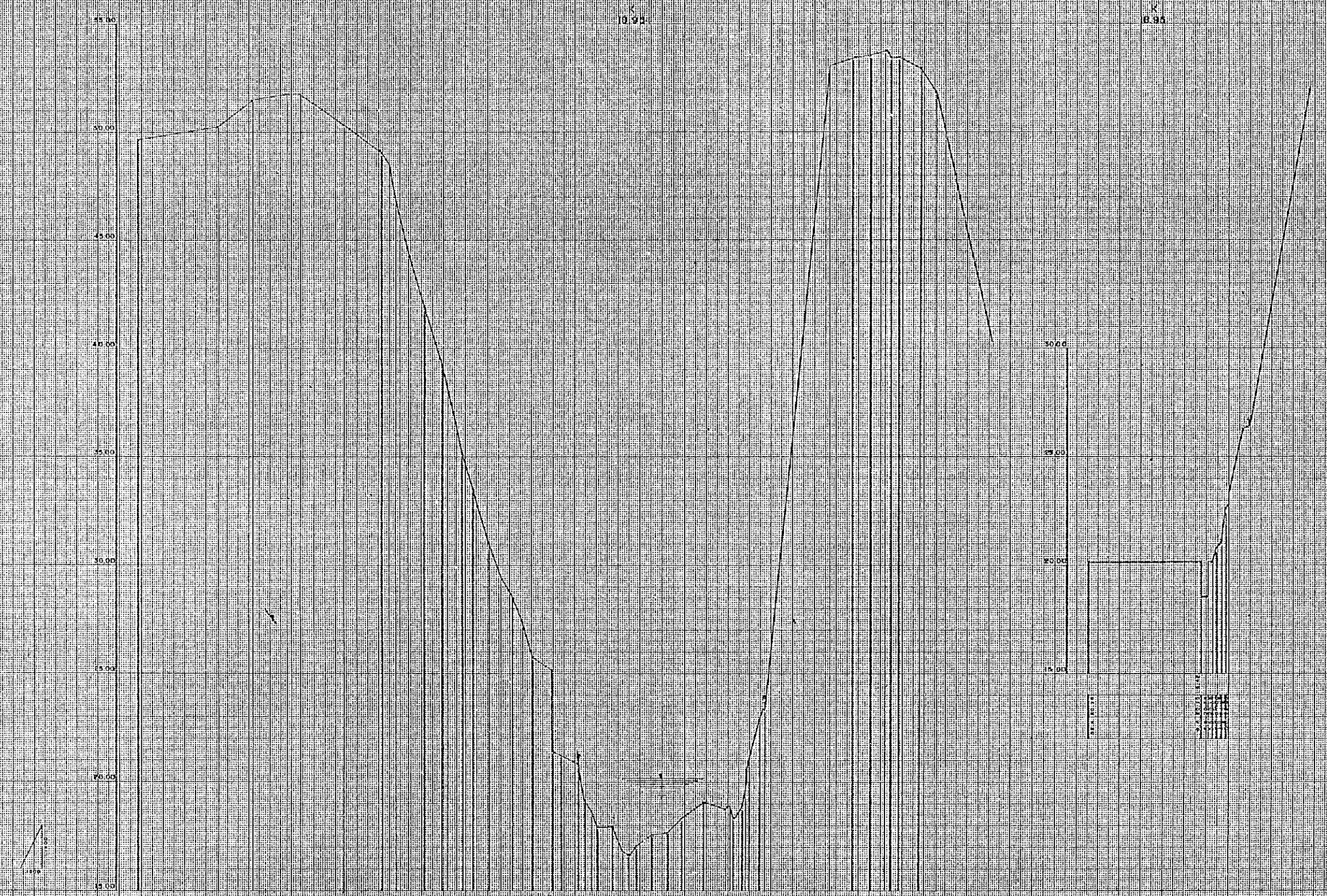


GROUND HEIGHT	TOTAL DISTANCE
30.00	0+00
25.00	0+50
20.00	1+00

STATION	GROUND HEIGHT (M)	PROPOSED HEIGHT (M)	DEPTH (M)	WIDTH (M)	AREA (M ²)	PERCENT
0+00	30.00	28.00	2.00	1.00	2.00	6.67
0+10	29.50	27.50	2.00	1.00	2.00	6.77
0+20	29.00	27.00	2.00	1.00	2.00	6.88
0+30	28.50	26.50	2.00	1.00	2.00	7.00
0+40	28.00	26.00	2.00	1.00	2.00	7.14
0+50	27.50	25.50	2.00	1.00	2.00	7.29
0+60	27.00	25.00	2.00	1.00	2.00	7.41
0+70	26.50	24.50	2.00	1.00	2.00	7.54
0+80	26.00	24.00	2.00	1.00	2.00	7.69
0+90	25.50	23.50	2.00	1.00	2.00	7.84
1+00	25.00	23.00	2.00	1.00	2.00	8.00
1+10	24.50	22.50	2.00	1.00	2.00	8.17
1+20	24.00	22.00	2.00	1.00	2.00	8.33
1+30	23.50	21.50	2.00	1.00	2.00	8.51
1+40	23.00	21.00	2.00	1.00	2.00	8.70
1+50	22.50	20.50	2.00	1.00	2.00	8.90
1+60	22.00	20.00	2.00	1.00	2.00	9.11
1+70	21.50	19.50	2.00	1.00	2.00	9.33
1+80	21.00	19.00	2.00	1.00	2.00	9.56
1+90	20.50	18.50	2.00	1.00	2.00	9.80
2+00	20.00	18.00	2.00	1.00	2.00	10.00

STATION	GROUND HEIGHT (M)	PROPOSED HEIGHT (M)	DEPTH (M)	WIDTH (M)	AREA (M ²)	PERCENT
18+85	27.00	25.00	2.00	1.00	2.00	7.41
18+90	26.50	24.50	2.00	1.00	2.00	7.54
18+95	26.00	24.00	2.00	1.00	2.00	7.69
19+00	25.50	23.50	2.00	1.00	2.00	7.84
19+05	25.00	23.00	2.00	1.00	2.00	8.00
19+10	24.50	22.50	2.00	1.00	2.00	8.17
19+15	24.00	22.00	2.00	1.00	2.00	8.33
19+20	23.50	21.50	2.00	1.00	2.00	8.51
19+25	23.00	21.00	2.00	1.00	2.00	8.70
19+30	22.50	20.50	2.00	1.00	2.00	8.90
19+35	22.00	20.00	2.00	1.00	2.00	9.11
19+40	21.50	19.50	2.00	1.00	2.00	9.33
19+45	21.00	19.00	2.00	1.00	2.00	9.56
19+50	20.50	18.50	2.00	1.00	2.00	9.80
19+55	20.00	18.00	2.00	1.00	2.00	10.00

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 FOR SEMARANG CITY AND SUBURBS
CROSS SECTION 18.85-18.94
BLORONG RIVER
 DECEMBER 1992



GROUND HEIGHT	STATION	DEPTH	REMARKS
45.00	1+000		
44.00	1+050		
43.00	1+100		
42.00	1+150		
41.00	1+200		
40.00	1+250		
39.00	1+300		
38.00	1+350		
37.00	1+400		
36.00	1+450		
35.00	1+500		
34.00	1+550		
33.00	1+600		
32.00	1+650		
31.00	1+700		
30.00	1+750		
29.00	1+800		
28.00	1+850		
27.00	1+900		
26.00	1+950		
25.00	2+000		
24.00	2+050		
23.00	2+100		
22.00	2+150		
21.00	2+200		
20.00	2+250		
19.00	2+300		
18.00	2+350		
17.00	2+400		
16.00	2+450		
15.00	2+500		

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 FOR SEMARANG CITY AND SUBURBS
CROSSSECTION 18.95
BLORONG RIVER
 DECEMBER 1992