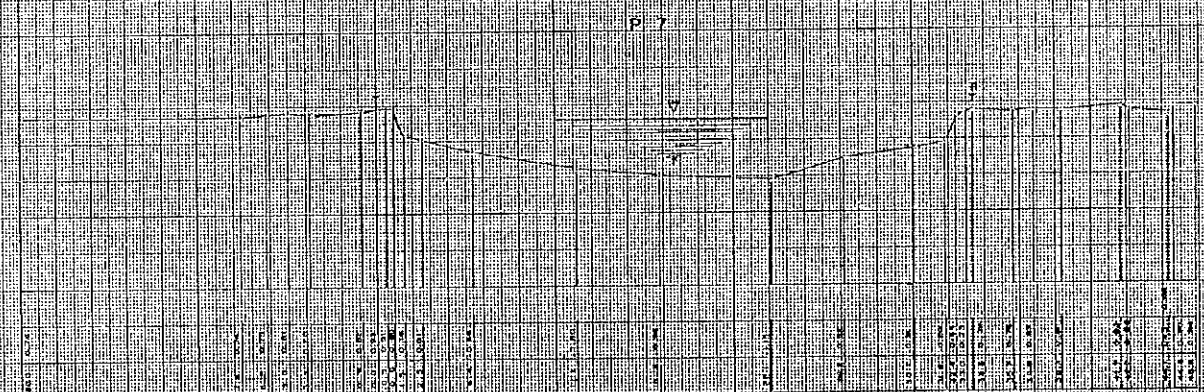

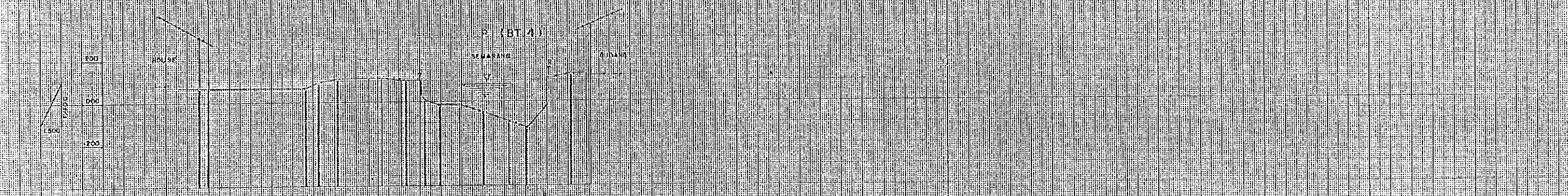


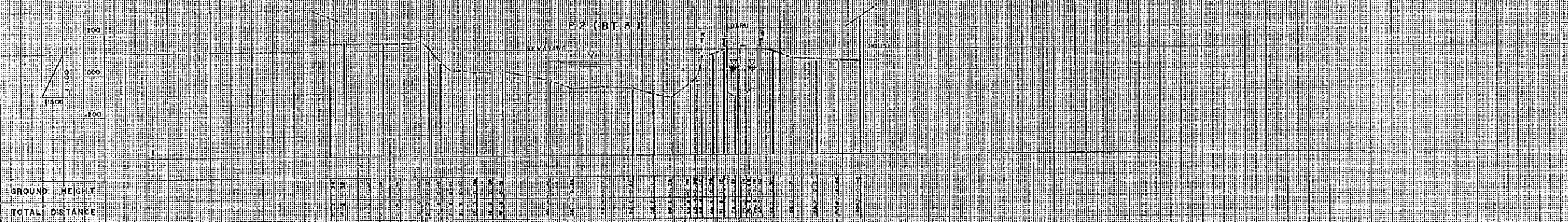
GROUND HEIGHT
TOTAL DISTANCE




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 FOR SEMARANG CITY AND SUBURBS
 CROSS SECTION P 7
 SEMARANG RIVER
 MEI 1993 SHEET NO. 2/2
 JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	
TOTAL DISTANCE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19



GROUND HEIGHT	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00
TOTAL DISTANCE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19



GROUND HEIGHT	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00
TOTAL DISTANCE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19



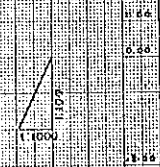
GROUND HEIGHT	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00	745.00
TOTAL DISTANCE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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 MINISTRY OF PUBLIC WORKS

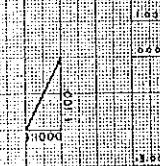
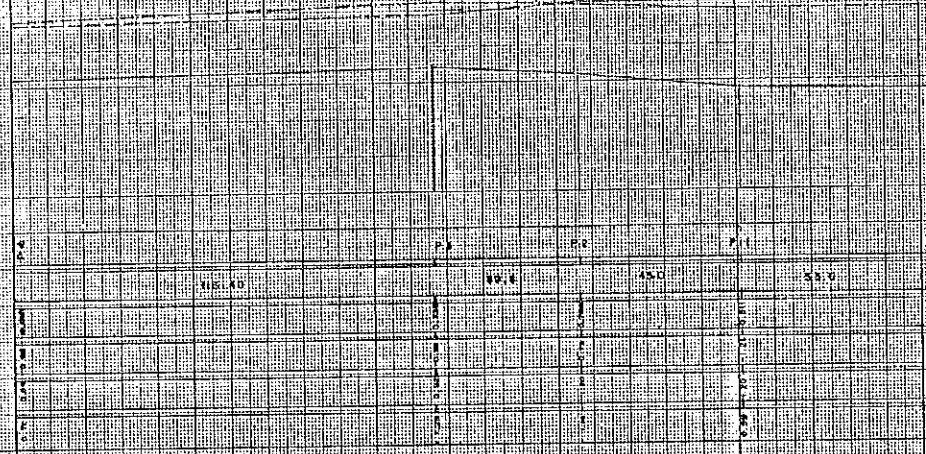
THE STUDY OF THE MASTER PLAN ON WATER RESOURCES
 DEVELOPMENT AND FEASIBILITY STUDY
 FOR URGENT FLOOD CONTROL AND URBAN DRAINAGE
 FOR SEMARANG CITY AND SUBURBS

CROSS SECTION 4 ———
 SEMARANG - BARU RIVER

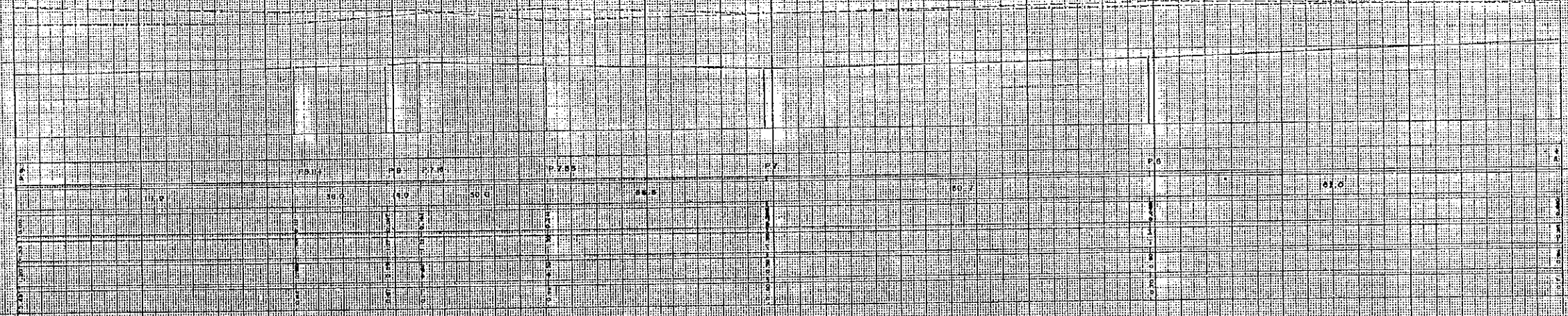
ME 1993 SHEET NO 17



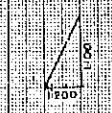
POINT NO	
ACTUAL DISTANCE	
ACCUMULATED DISTANCE	
LOWEST SPOT OF C/SEC	
RIGHT BANK	
LEFT BANK	



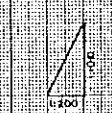
POINT NO	
ACTUAL DISTANCE	
ACCUMULATED DISTANCE	
LOWEST SPOT OF C/SEC	
RIGHT BANK	
LEFT BANK	



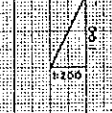
THE REPUBLIC OF INDONESIA
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 MINISTRY OF PUBLIC WORKS
 THE STUDY OF THE MASTER PLAN ON WATER RESOURCES
 DEVELOPMENT AND FEASIBILITY STUDY
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 FOR SEMARANG CITY AND SUBURBS
 LONGITUDINAL P.9--P.11
 BARU RIVER
 SHEET NO. 1/1
 JAPAN INTERNATIONAL COOPERATION AGENCY



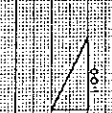
GROUND HEIGHT
TOTAL DISTANCE



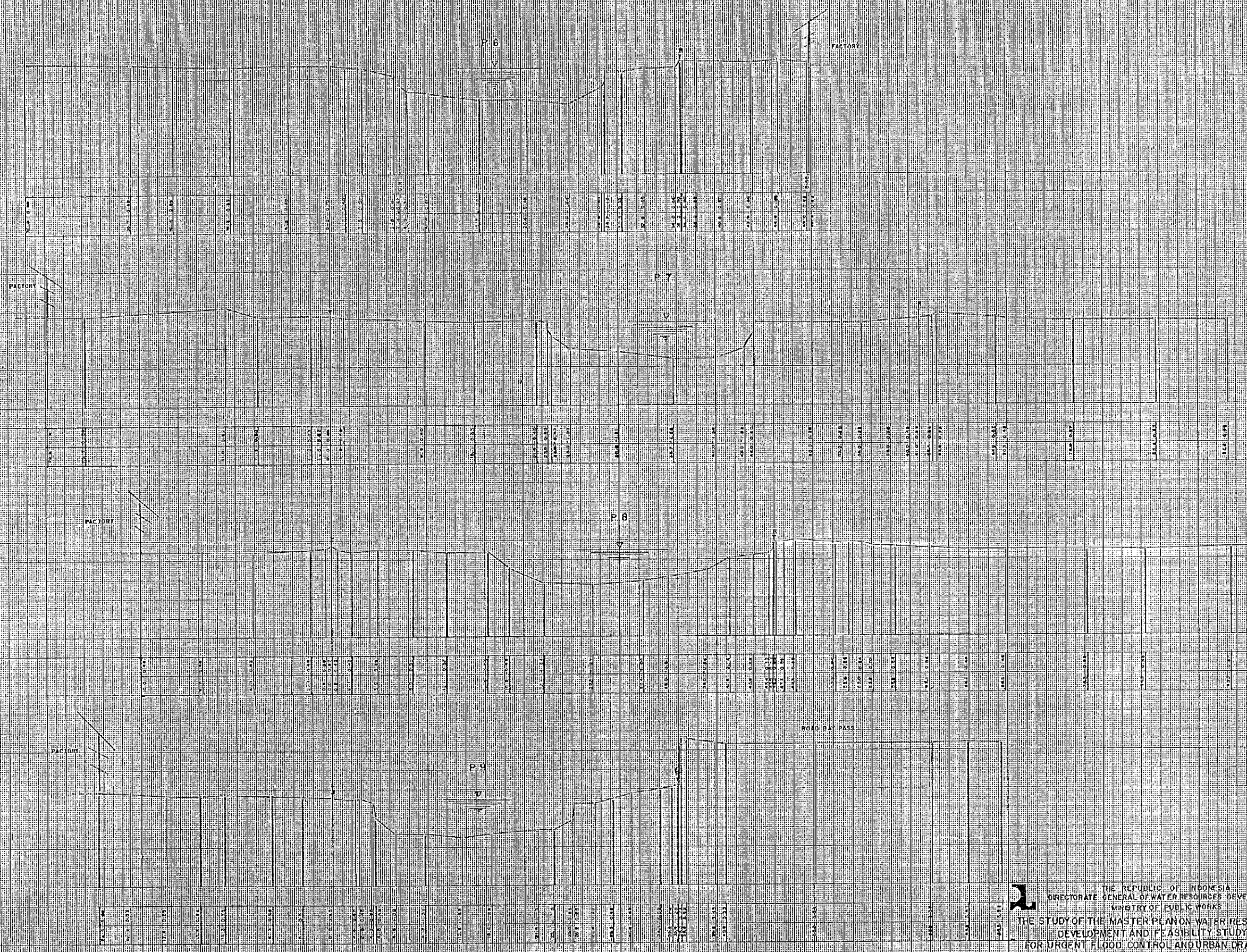
GROUND HEIGHT
TOTAL DISTANCE



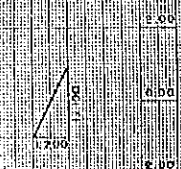
GROUND HEIGHT
TOTAL DISTANCE



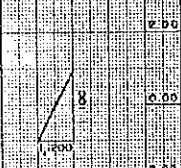
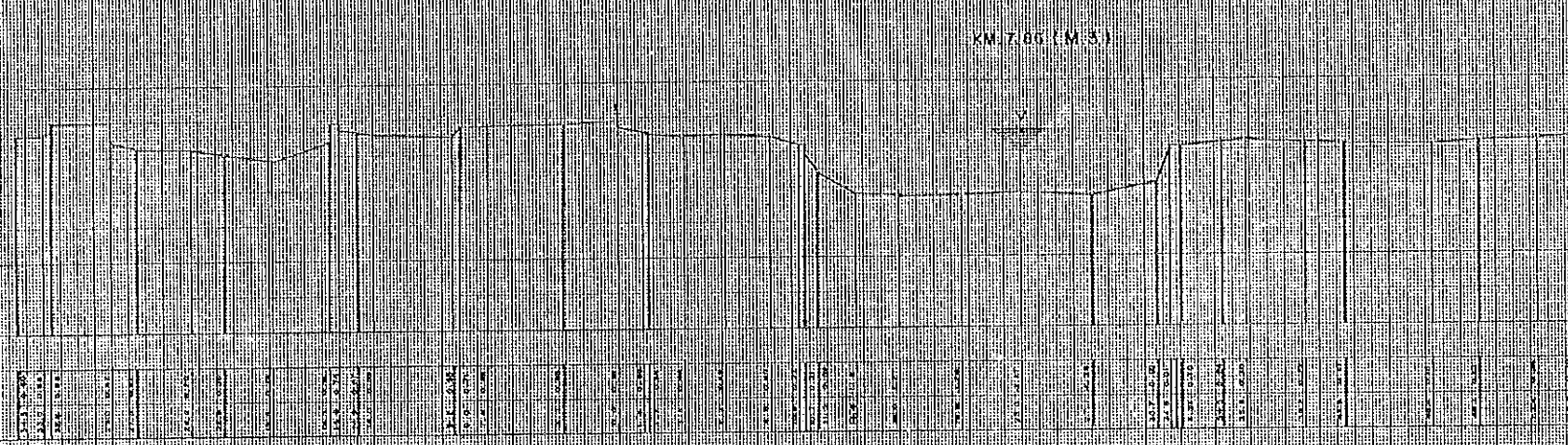
GROUND HEIGHT
TOTAL DISTANCE



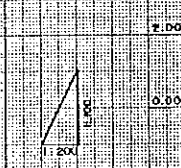
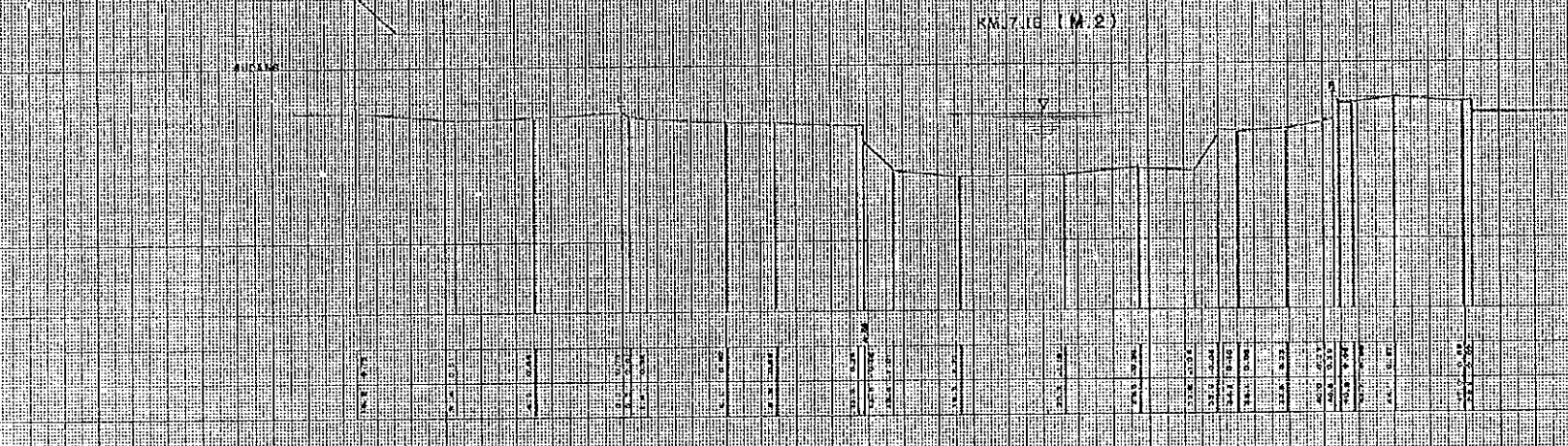
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FOR BEMARANG CITY AND SUBURBS
CROSS SECTION P9—P6
BARU RIVER
MEL 1993
SHEET NO. 1/3
JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT
TOTAL DISTANCE



GROUND HEIGHT
TOTAL DISTANCE



GROUND HEIGHT
TOTAL DISTANCE

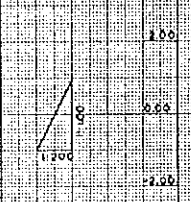


GOVERNMENT AREA

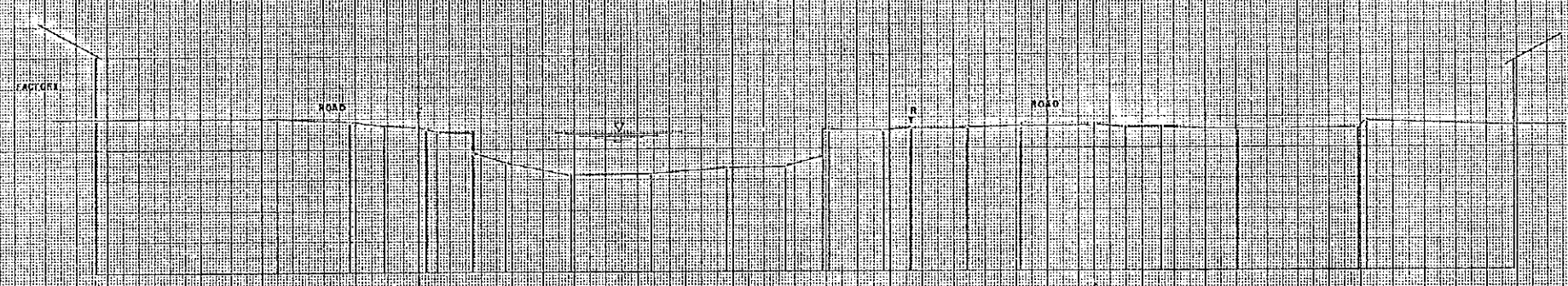
INDONESIA

ARMY AREA

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FOR SEMARANG CITY AND SUBURBS
CROSS SECTION 8.11 — 7.86
BARU RIVER
MEL 1993 SHEET NO 2/5
JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT
TOTAL DISTANCE



00.00	00.50	01.00	01.50	02.00	02.50	03.00	03.50	04.00	04.50	05.00	05.50	06.00	06.50	07.00	07.50	08.00	08.50	09.00	09.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.00	19.50	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	29.50	30.00	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	39.50	40.00	40.50	41.00	41.50	42.00	42.50	43.00	43.50	44.00	44.50	45.00	45.50	46.00	46.50	47.00	47.50	48.00	48.50	49.00	49.50	50.00	50.50	51.00	51.50	52.00	52.50	53.00	53.50	54.00	54.50	55.00	55.50	56.00	56.50	57.00	57.50	58.00	58.50	59.00	59.50	60.00	60.50	61.00	61.50	62.00	62.50	63.00	63.50	64.00	64.50	65.00	65.50	66.00	66.50	67.00	67.50	68.00	68.50	69.00	69.50	70.00	70.50	71.00	71.50	72.00	72.50	73.00	73.50	74.00	74.50	75.00	75.50	76.00	76.50	77.00	77.50	78.00	78.50	79.00	79.50	80.00	80.50	81.00	81.50	82.00	82.50	83.00	83.50	84.00	84.50	85.00	85.50	86.00	86.50	87.00	87.50	88.00	88.50	89.00	89.50	90.00	90.50	91.00	91.50	92.00	92.50	93.00	93.50	94.00	94.50	95.00	95.50	96.00	96.50	97.00	97.50	98.00	98.50	99.00	99.50	100.00
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 CROSS SECTION P/2
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 MEI 1993 SHEET NO 3/3
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POINT NO	
ACTUAL DISTANCE	000
ACCUMULATED DISTANCE	
LOWEST SPOT OF C/SEC	
RIGHT BANK	
LEFT BANK	

ELEVATION
1.00
0.00
-1.00



POINT NO	
ACTUAL DISTANCE	000
ACCUMULATED DISTANCE	
LOWEST SPOT OF C/SEC	
RIGHT BANK	
LEFT BANK	

ELEVATION
2.00
0.00
-2.00

MT. MARIBU ST
BRIDGE

BRIDGE

RAH WAY
RAIL WAY

BRIDGE

MAKARA RABU ST
BRIDGE

OWARON ST
BRIDGE

WILAY PARKALAY ST
BRIDGE

WARSUR ST
BRIDGE

SEYOUNG RABU ST
BRIDGE

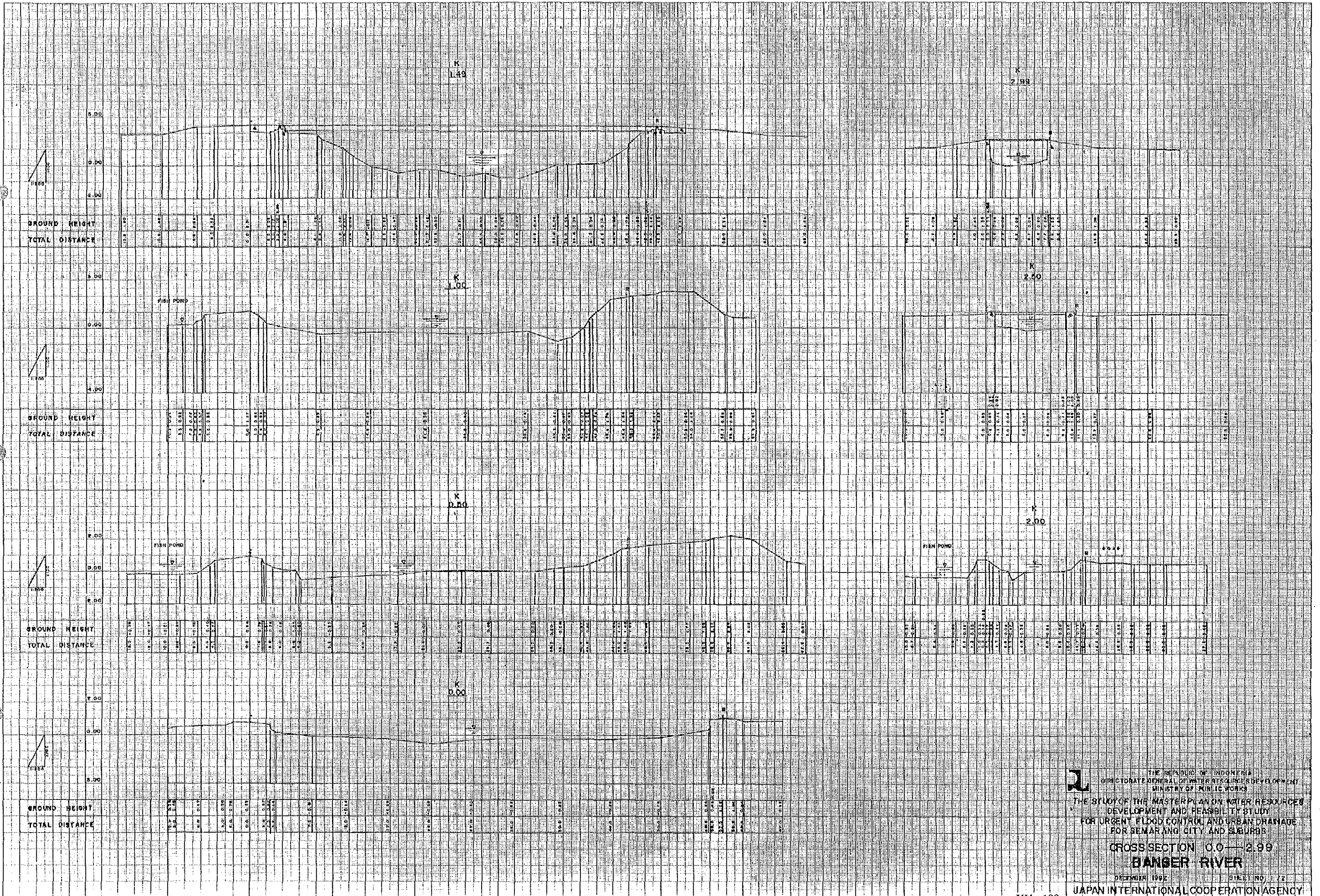
SEYOUNG ST
BRIDGE


WALIM TIRMAN ST
BRIDGE

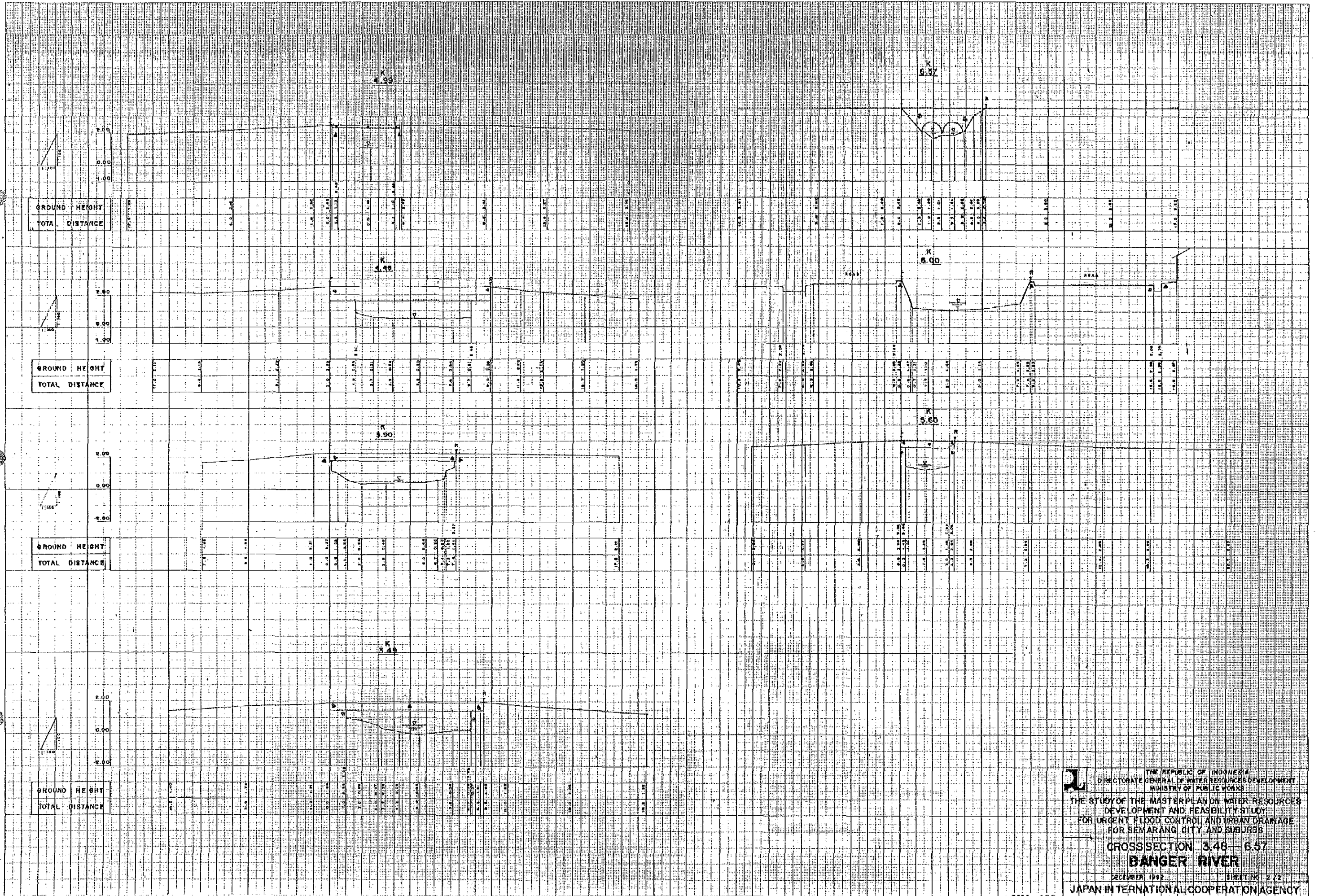
WILAY ST
BRIDGE

000	050	100	150	200	217	250	265	300	370	410	465	490	540	600	640	680
000	500	1000	1500	2000	2170	2500	2650	3000	3700	4100	4650	4900	5400	6000	6400	6800

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 FOR SEMARANG CITY AND SUBURBS
 LONGITUDINAL 0.00 - 6.58
BANGER RIVER
 DECEMBER 1992 SHEET NO. 171




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 FOR SEMARANG CITY AND SURBUB
CROSS SECTION 0.0—2.99
BANGER RIVER
 DECEMBER 1992 SHEET NO. 72
 JAPAN INTERNATIONAL COOPERATION AGENCY



GROUND HEIGHT
TOTAL DISTANCE

GROUND HEIGHT
TOTAL DISTANCE

GROUND HEIGHT
TOTAL DISTANCE

GROUND HEIGHT
TOTAL DISTANCE

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FOR SEMARANG CITY AND SUBURBS

CROSSSECTION 3.48 - 6.57
BANGER RIVER

DECEMBER 1992 SHEET NO. 2/2
JAPAN INTERNATIONAL COOPERATION AGENCY