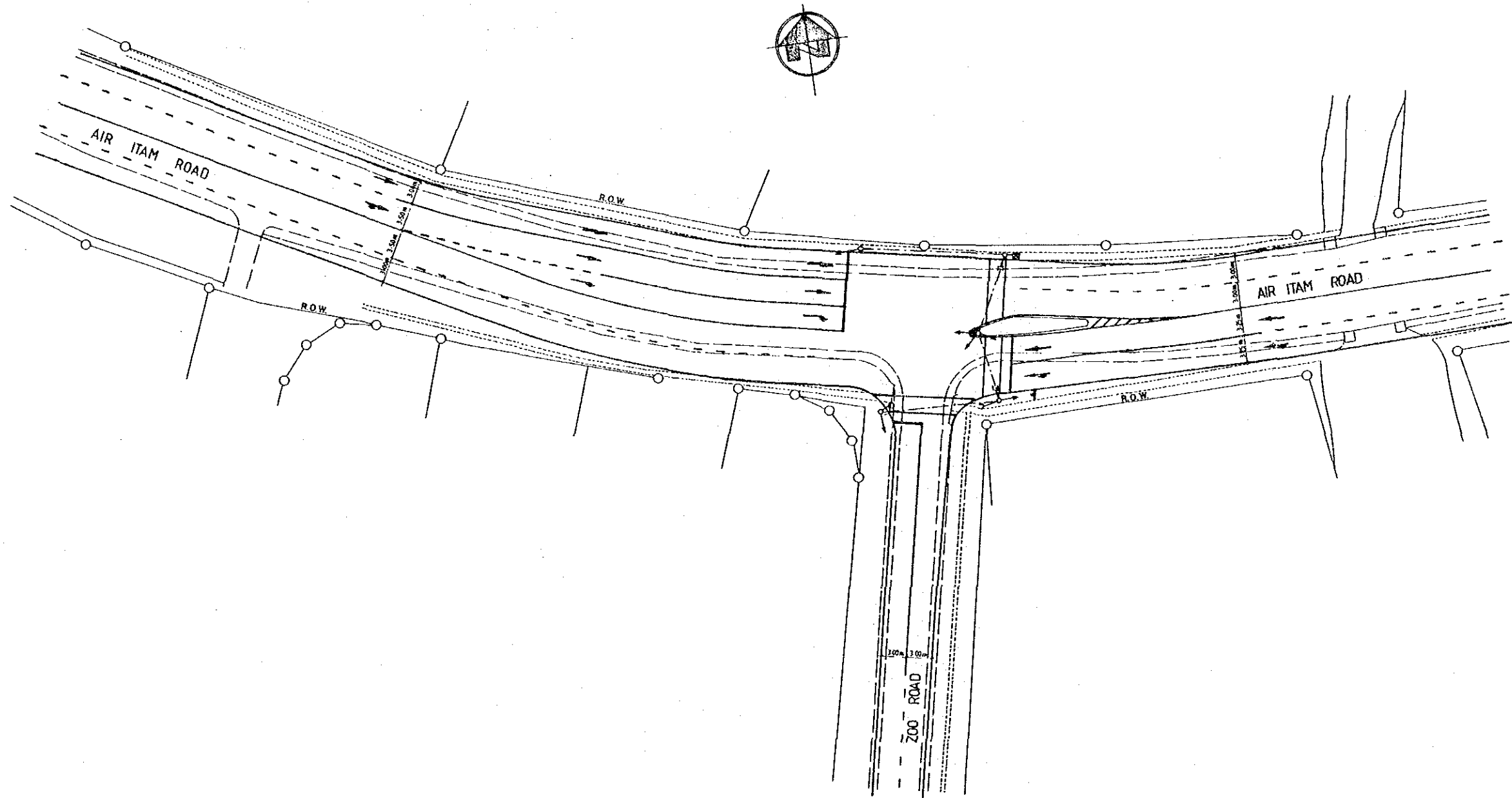
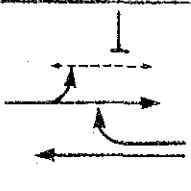
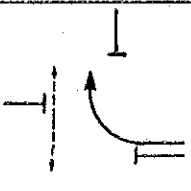
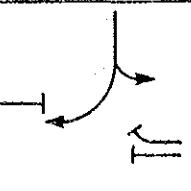
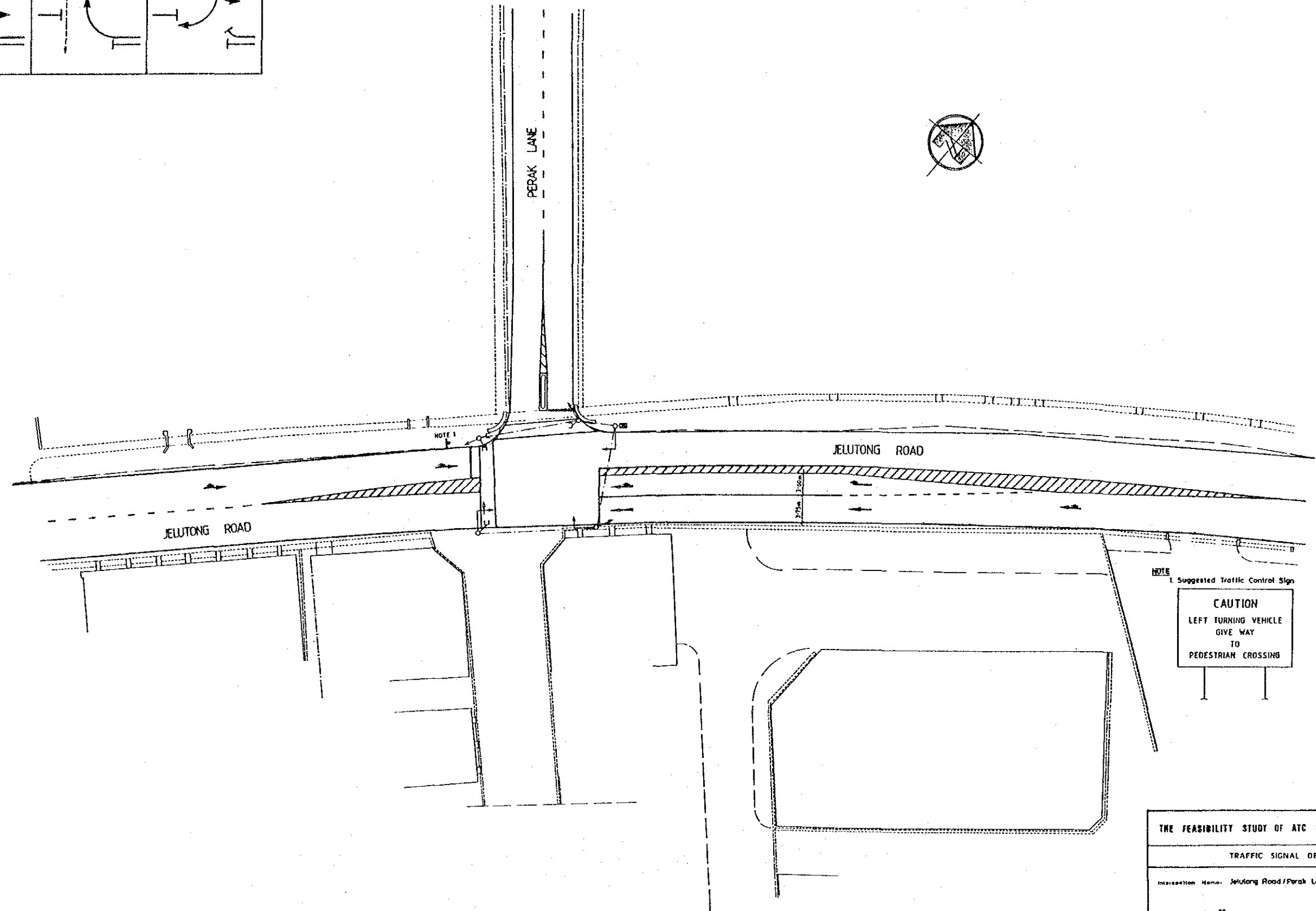


SIGNAL PHASING		
1	2	3



THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Zoo Road / Air Itam Road	
Intersection No. 05	Scale: 1/250
DATE Sept. 1987 SHEET NO. _____ OF _____	PLAN NO. 2040
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL PHASING		
1	2	3
		

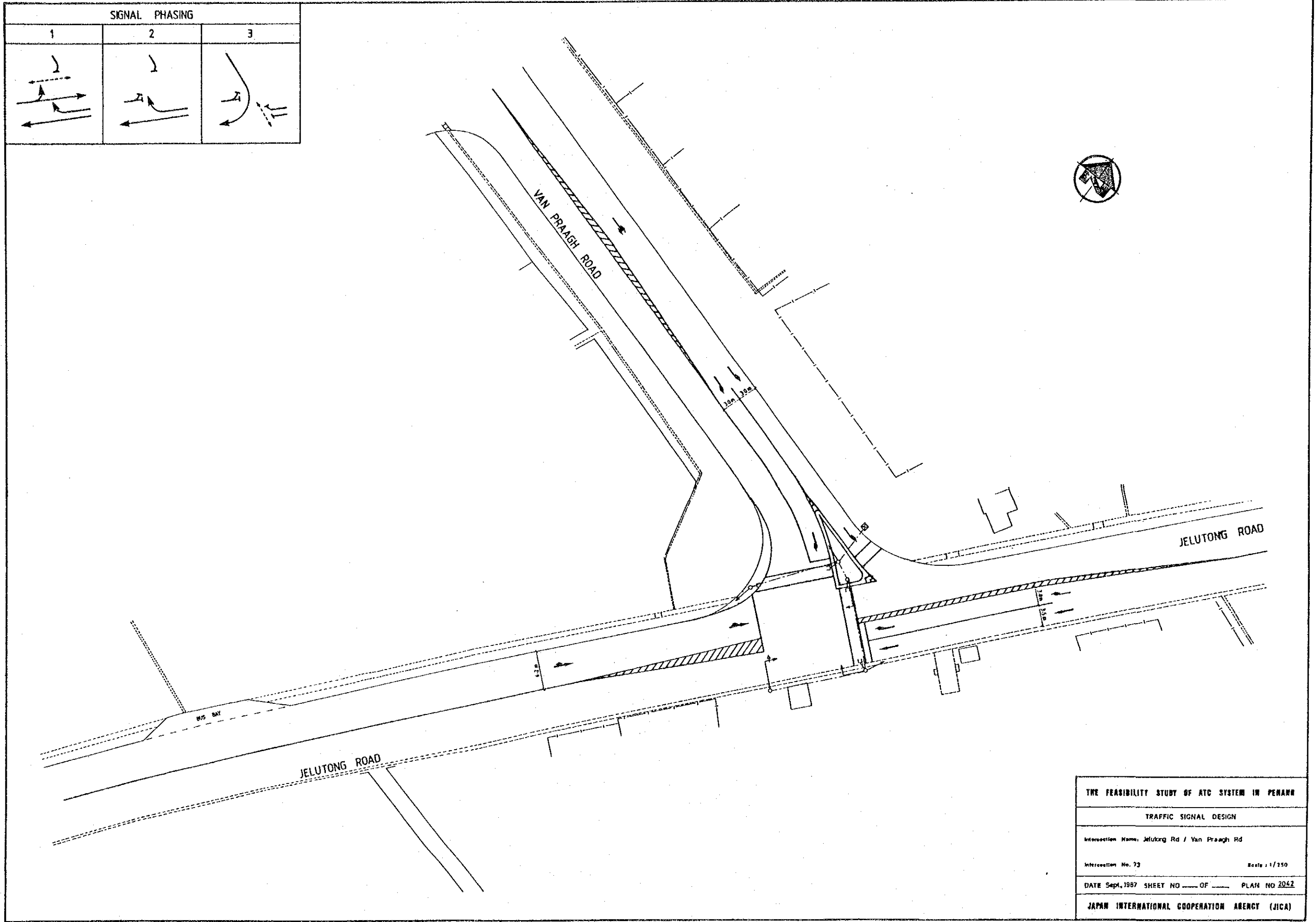


NOTE
1. Suggested Traffic Control Sign

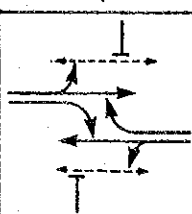
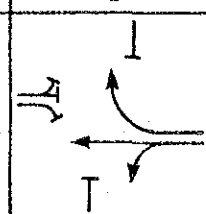
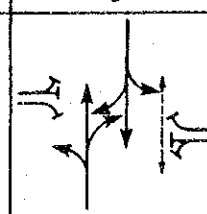
CAUTION
LEFT TURNING VEHICLE
GIVE WAY
TO
PEDESTRIAN CROSSING

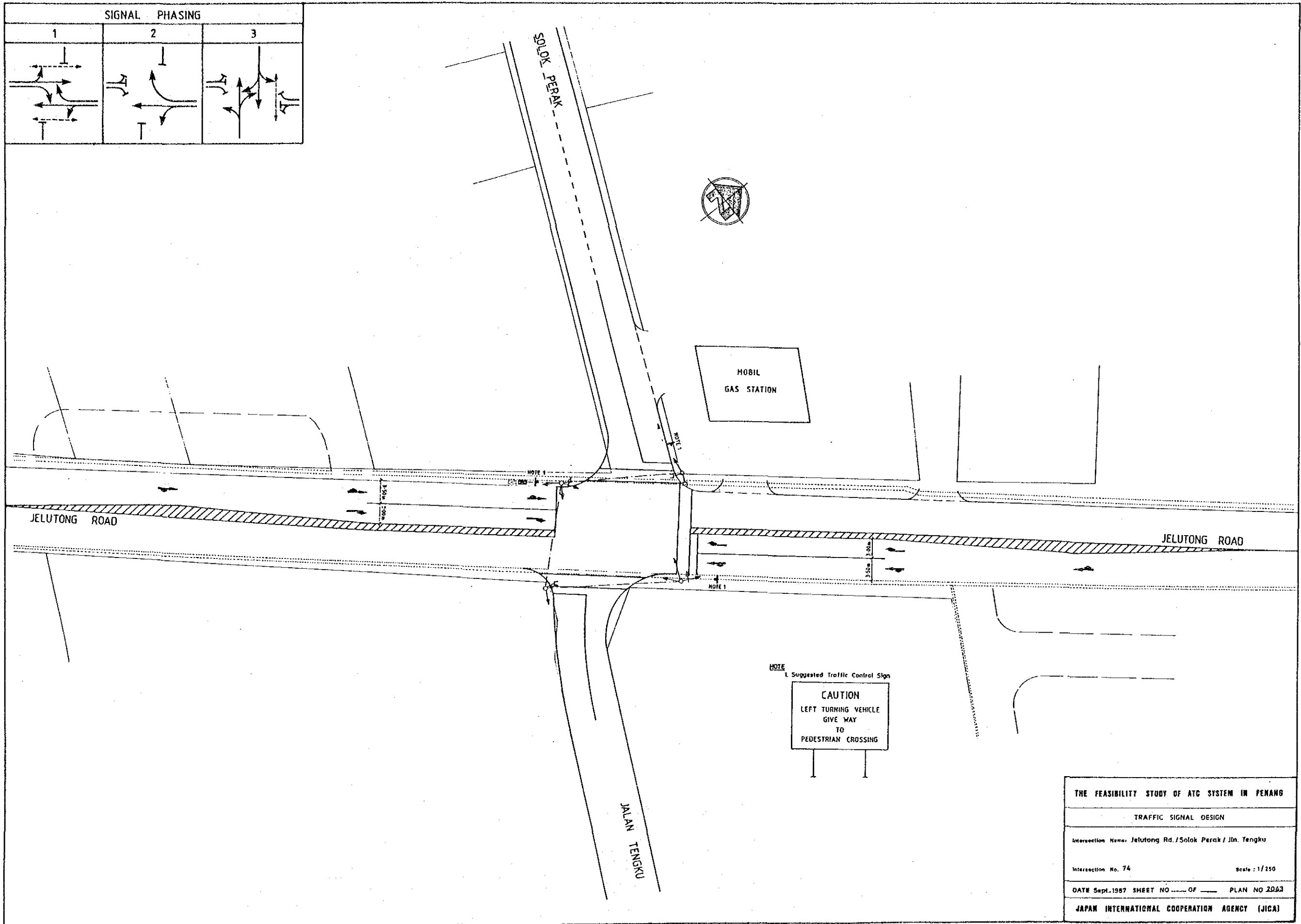
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Jelutong Road/Perak Lane	
Intersection No. 72	Scale: 1/250
DATE Sept. 1987 SHEET NO. _____ OF _____ PLAN NO. 2041.	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL PHASING		
1	2	3



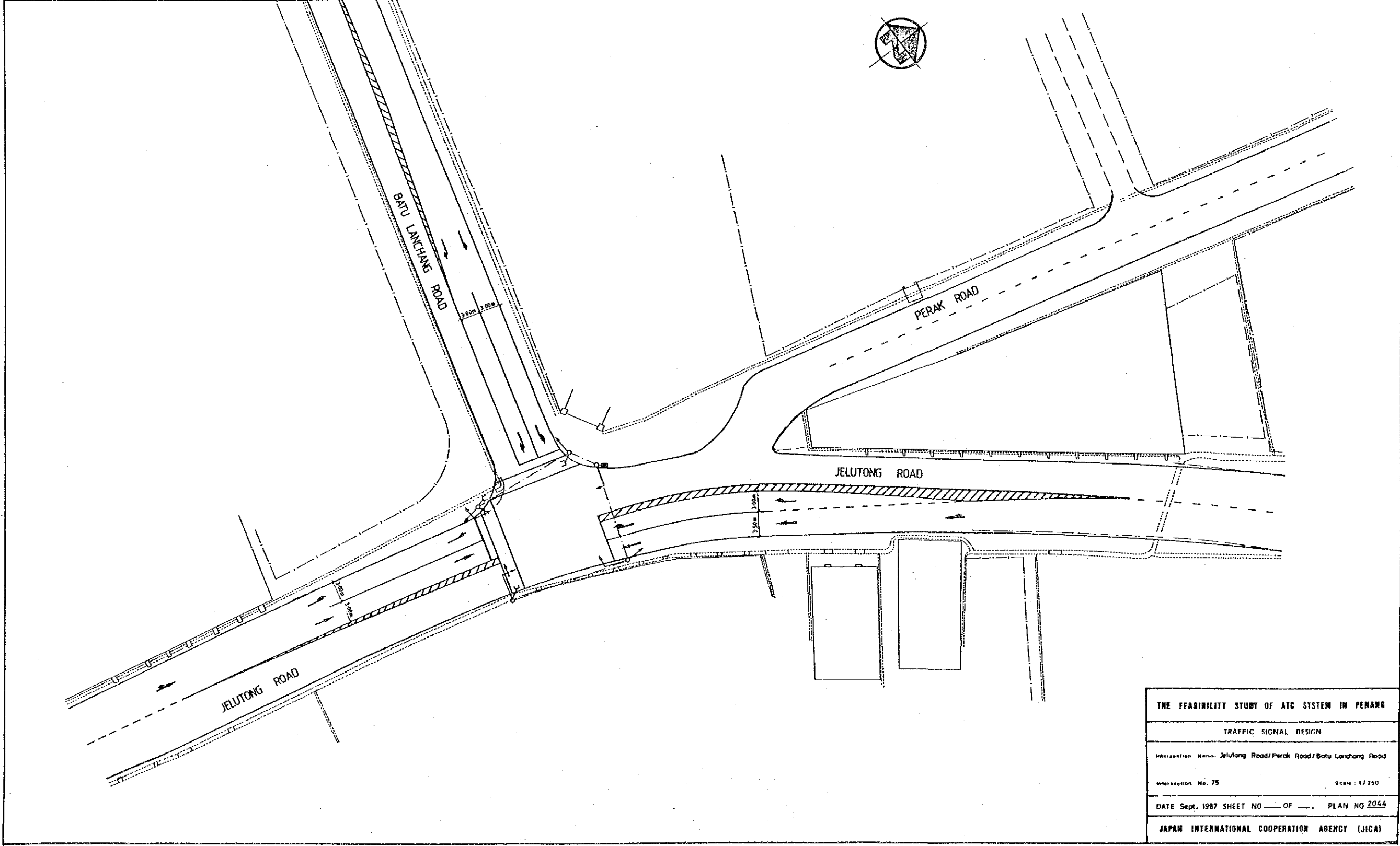
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Jelutong Rd / Van Praagh Rd	
Intersection No. 73	Scale: 1/250
DATE Sept, 1987	SHEET NO. OF PLAN NO 2042
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL PHASING		
1	2	3
		



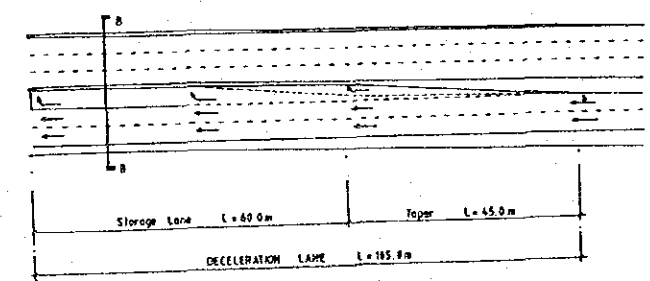
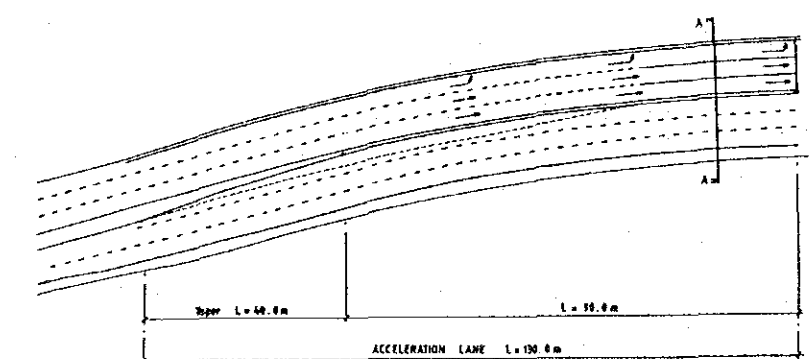
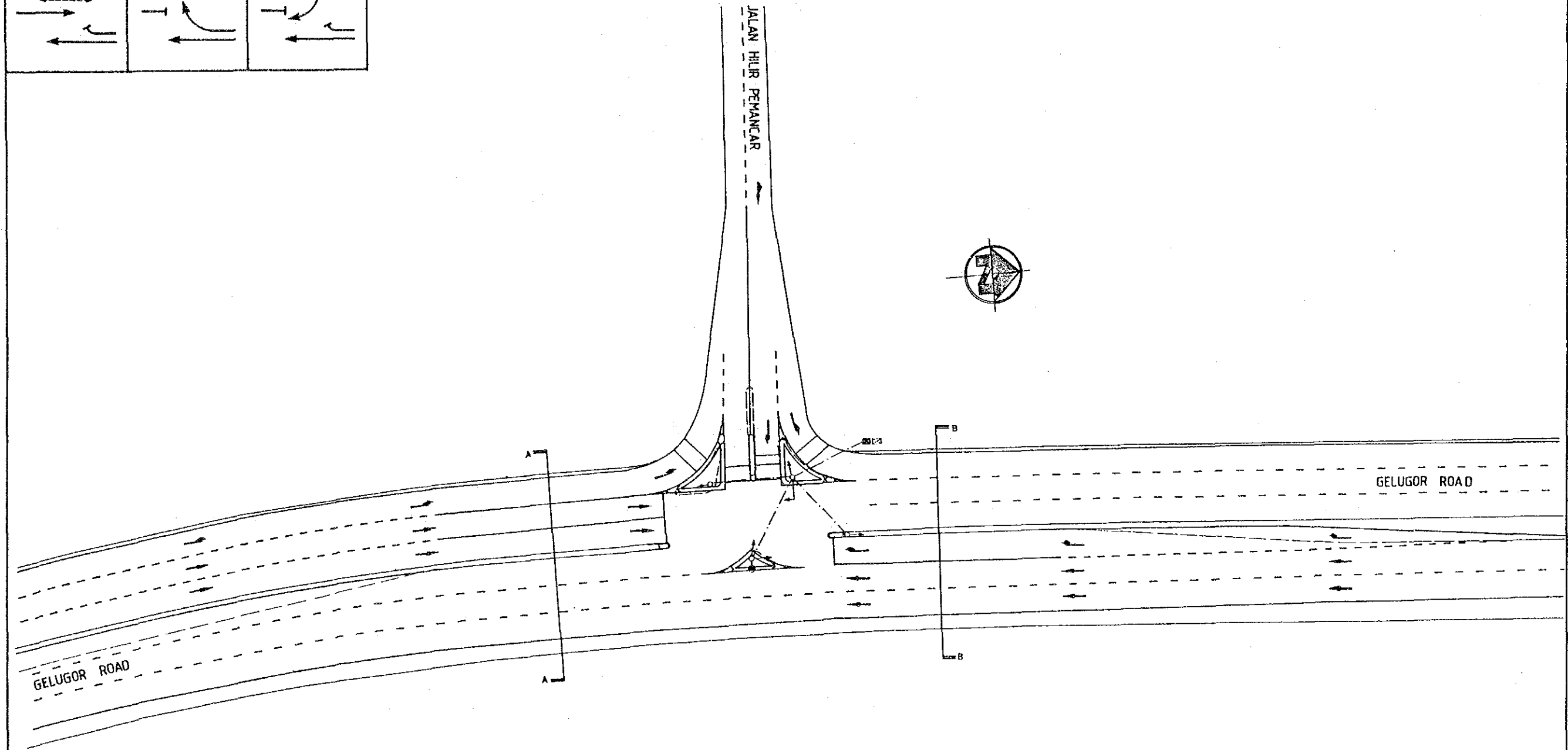
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Jelutong Rd./Solok Perak / Jln. Tengku	
Intersection No. 74	Scale: 1/250
DATE: Sept. 1987 SHEET NO. OF PLAN NO. 2063	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL PHASING		
1	2	3



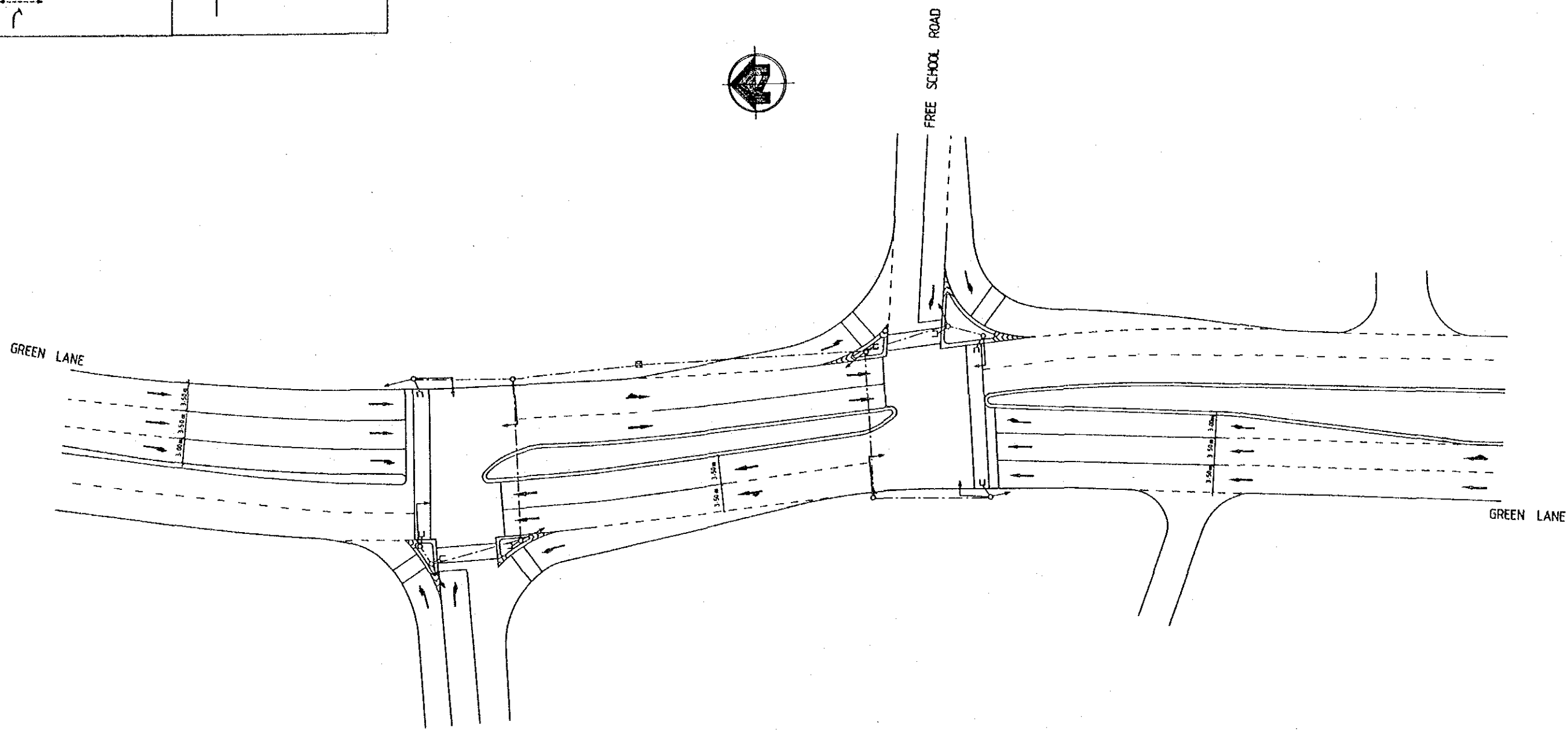
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Jelutong Road/Perak Road/Batu Lanchang Road	
Intersection No. 75	Scale: 1/250
DATE Sept. 1987 SHEET NO. OF PLAN NO 2044	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL PHASING		
1	2	3



THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Gelugor Road / Jalan Hillir Pemancah	
Intersection No. 77	Scale: 1/250
DATE Sept. 1987 SHEET NO. — OF —	PLAN NO 2043
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

SIGNAL		PHASING	
1		2	

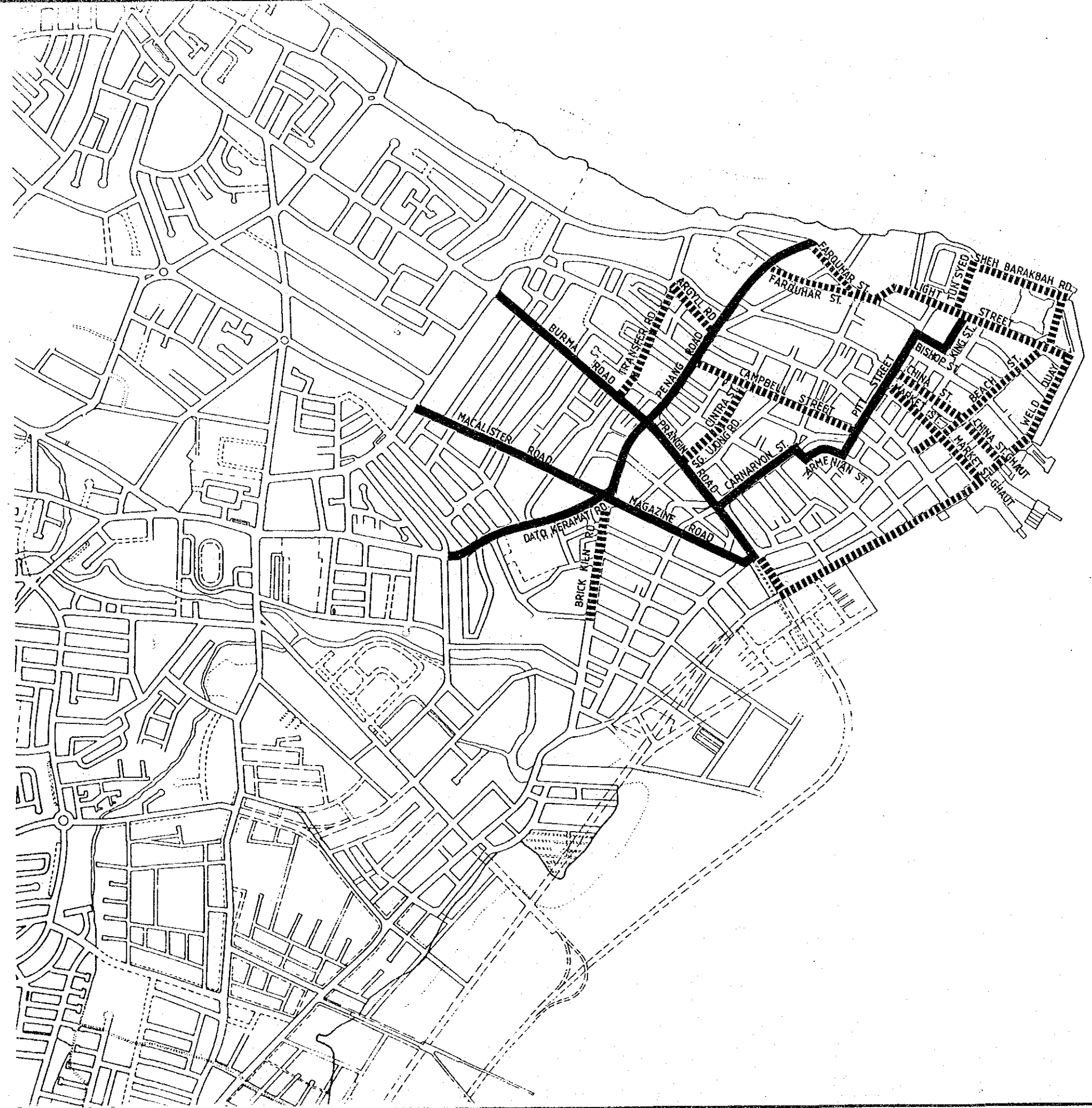
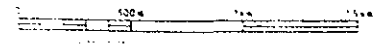
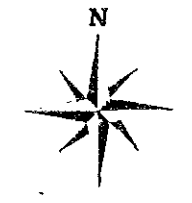


THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG	
TRAFFIC SIGNAL DESIGN	
Intersection Name: Green Lane / Free School Rd	
Intersection No. 118	Scale: 1/250
DATE: Sept. 1987	SHEET NO. _____ OF _____ PLAN NO. 2048
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	


3. PEDESTRIAN PATH DESIGN


INDEX

	Plan No.
Location Map	3000
Pedestrian Path Designs :	
• Burma Road	3001
• Dato Keramat Road	3002
• Carnarvon Street	3003
• Pitt Street	3004
• Bishop Street ~ King Street	3005
• Market Street	3006
• Penang Road (Northern Region)	3007

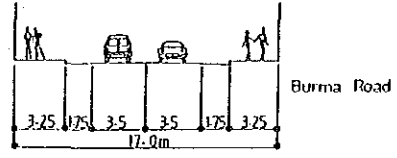
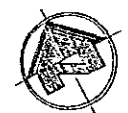
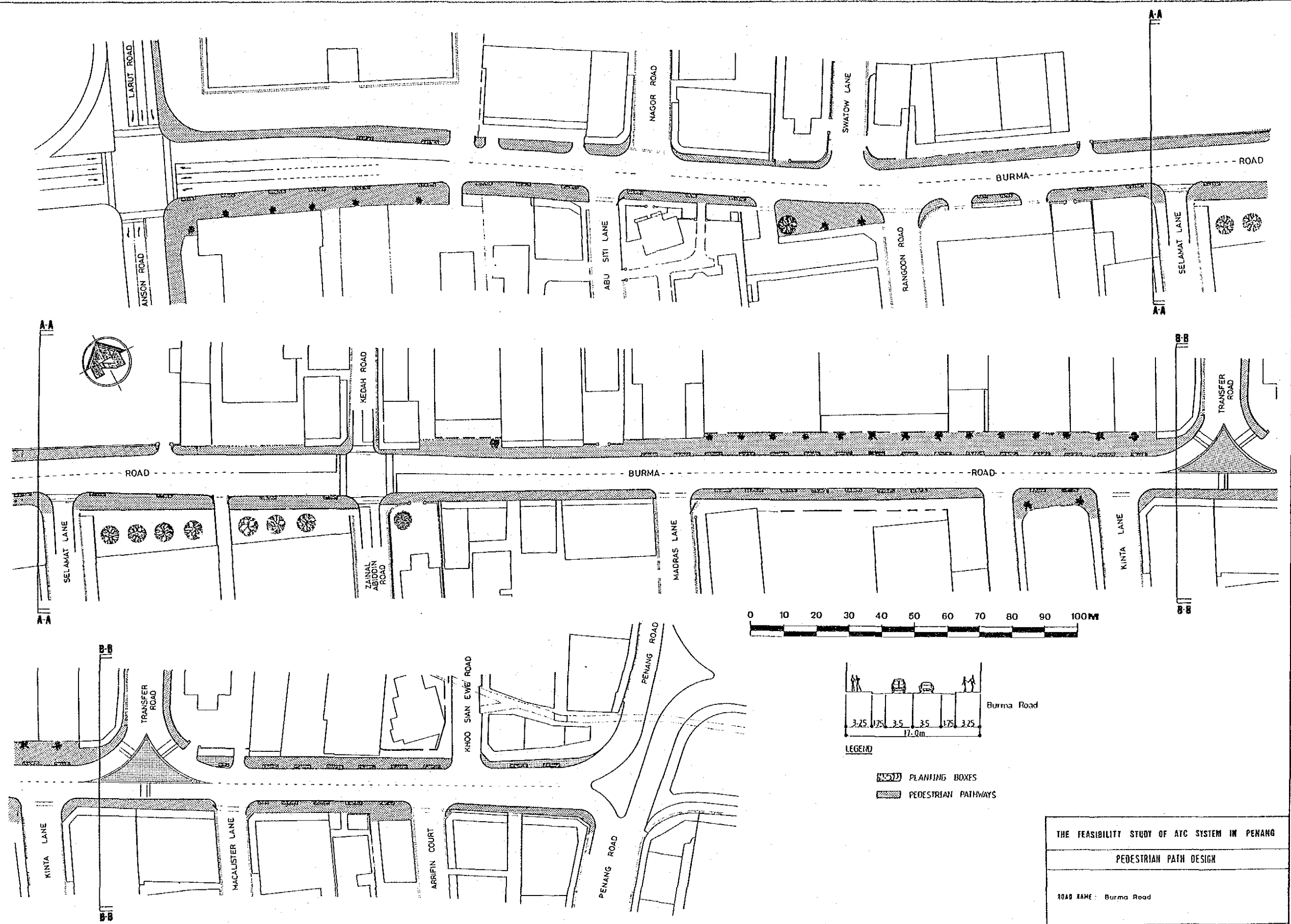


LEGEND

 PRIMARY PEDESTRIAN PATHWAY

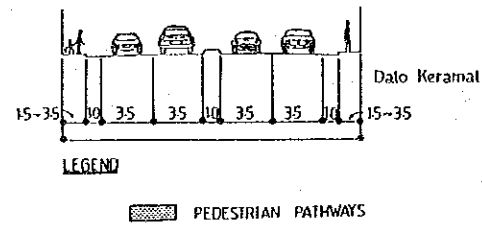
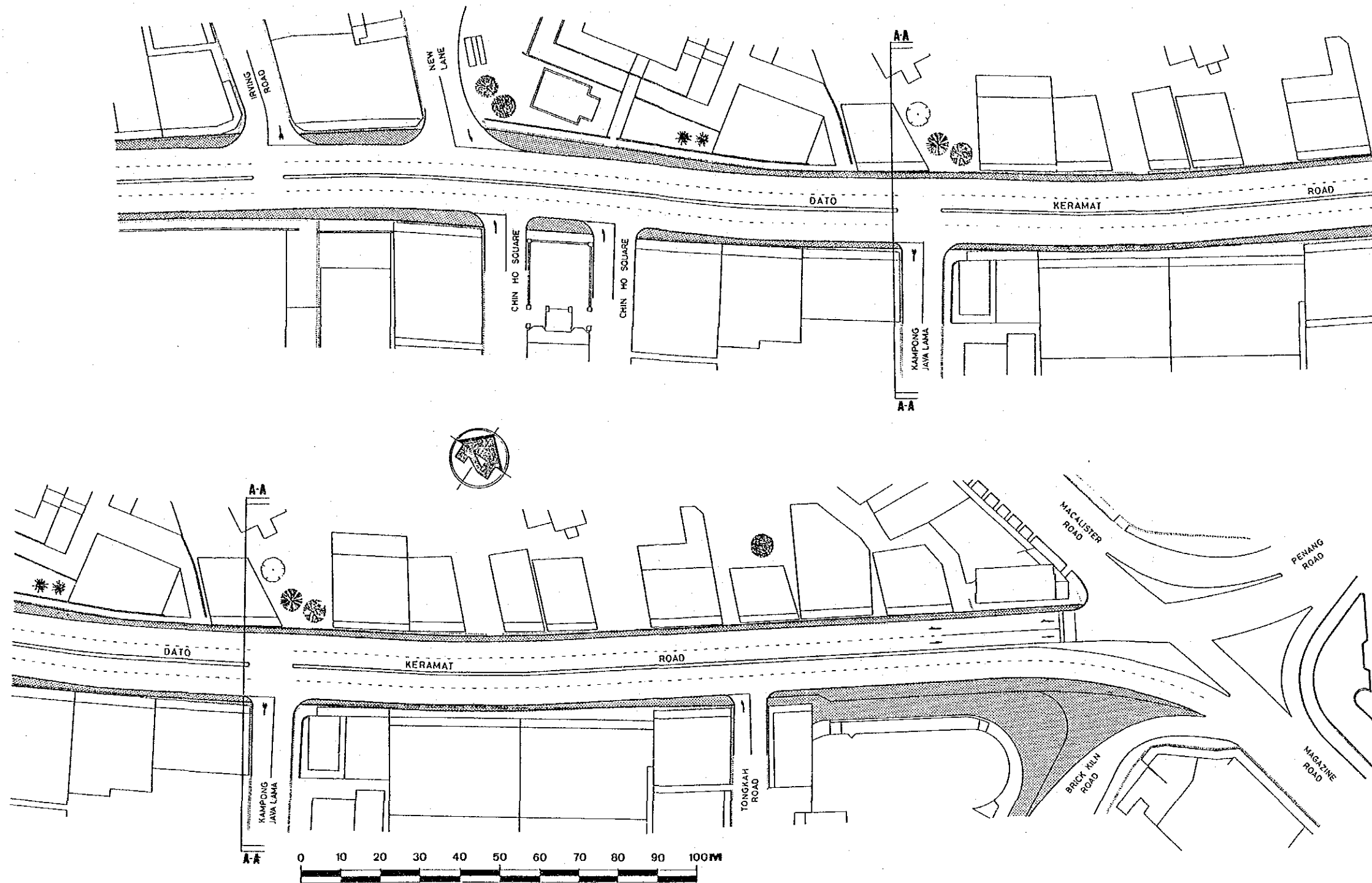
 SECONDARY PEDESTRIAN PATHWAY

THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
Pedestrian Path Network
DATE Sept. 1967 SHEET NO. OF PLAN NO. 3000
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

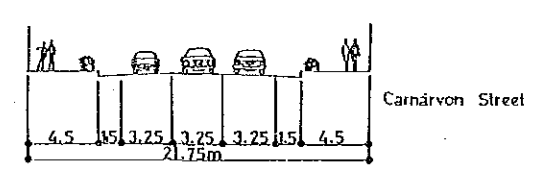
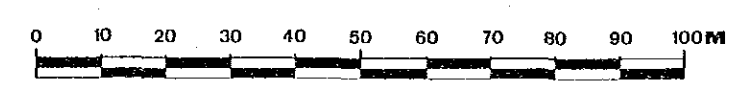
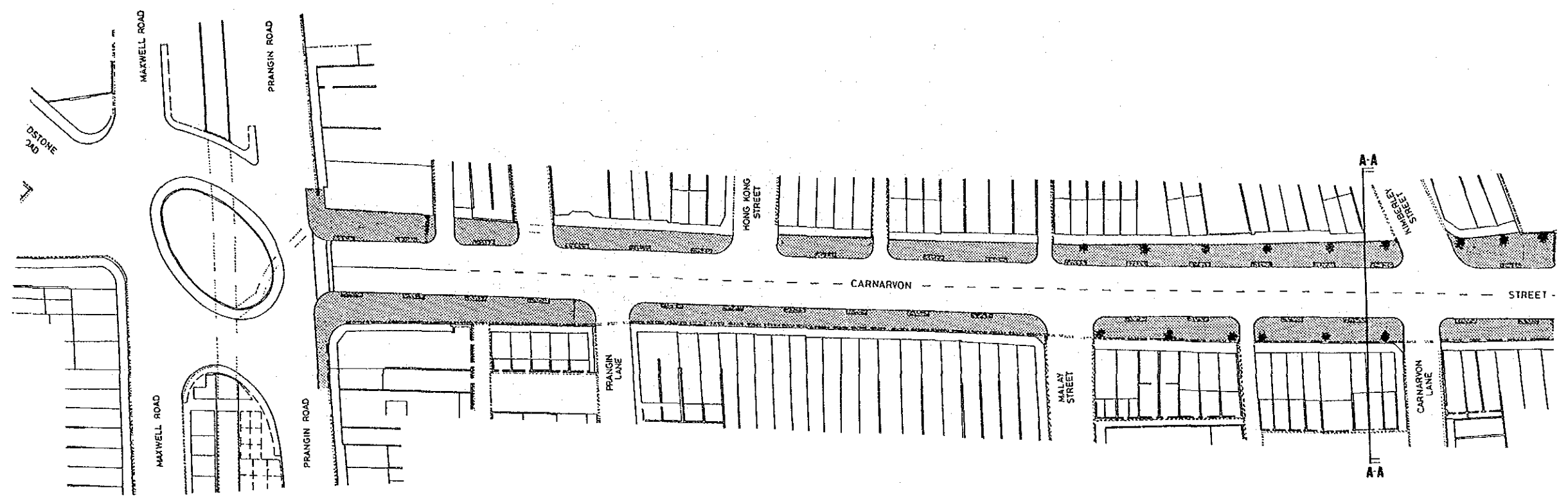


- LEGEND
- PLANTING BOXES
 - PEDESTRIAN PATHWAYS

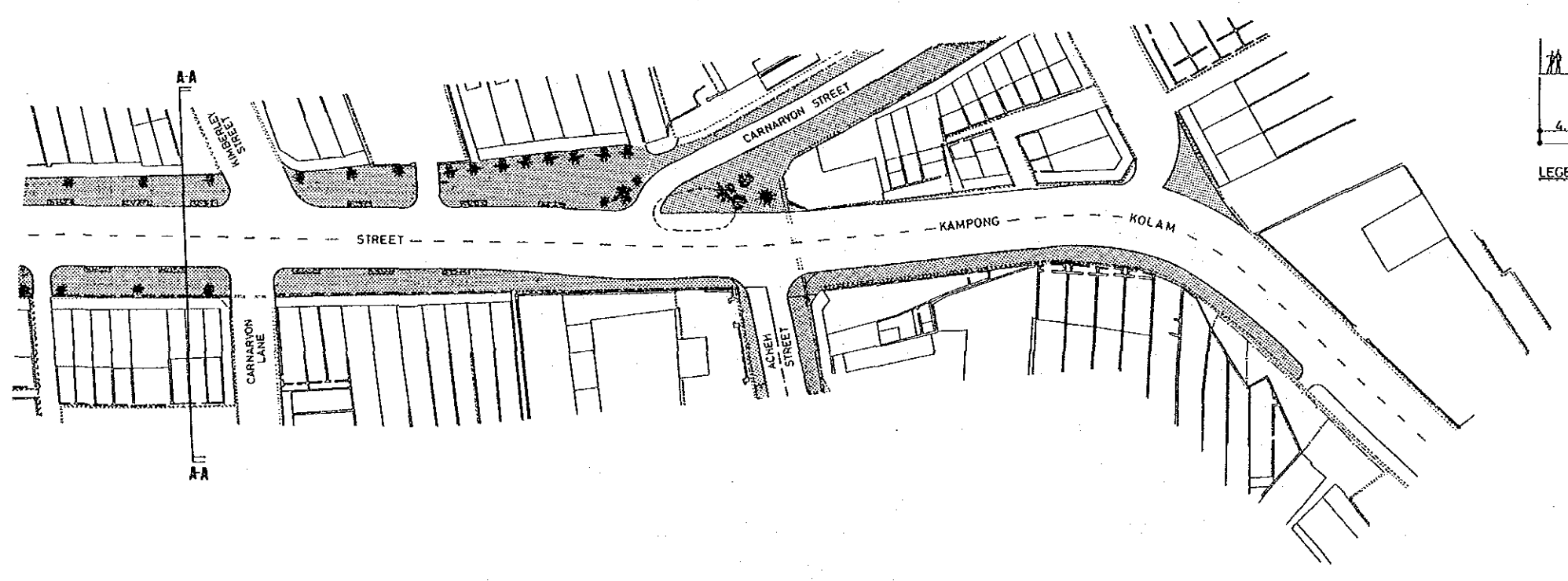
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME: Burma Road
DATE Sept, 1987 SHEET NO. _____ OF _____ PLAN NO 3001
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



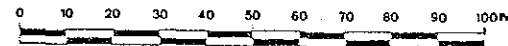
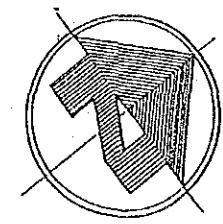
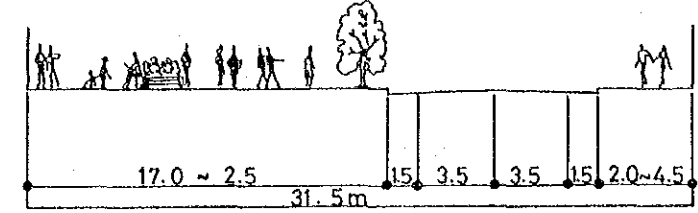
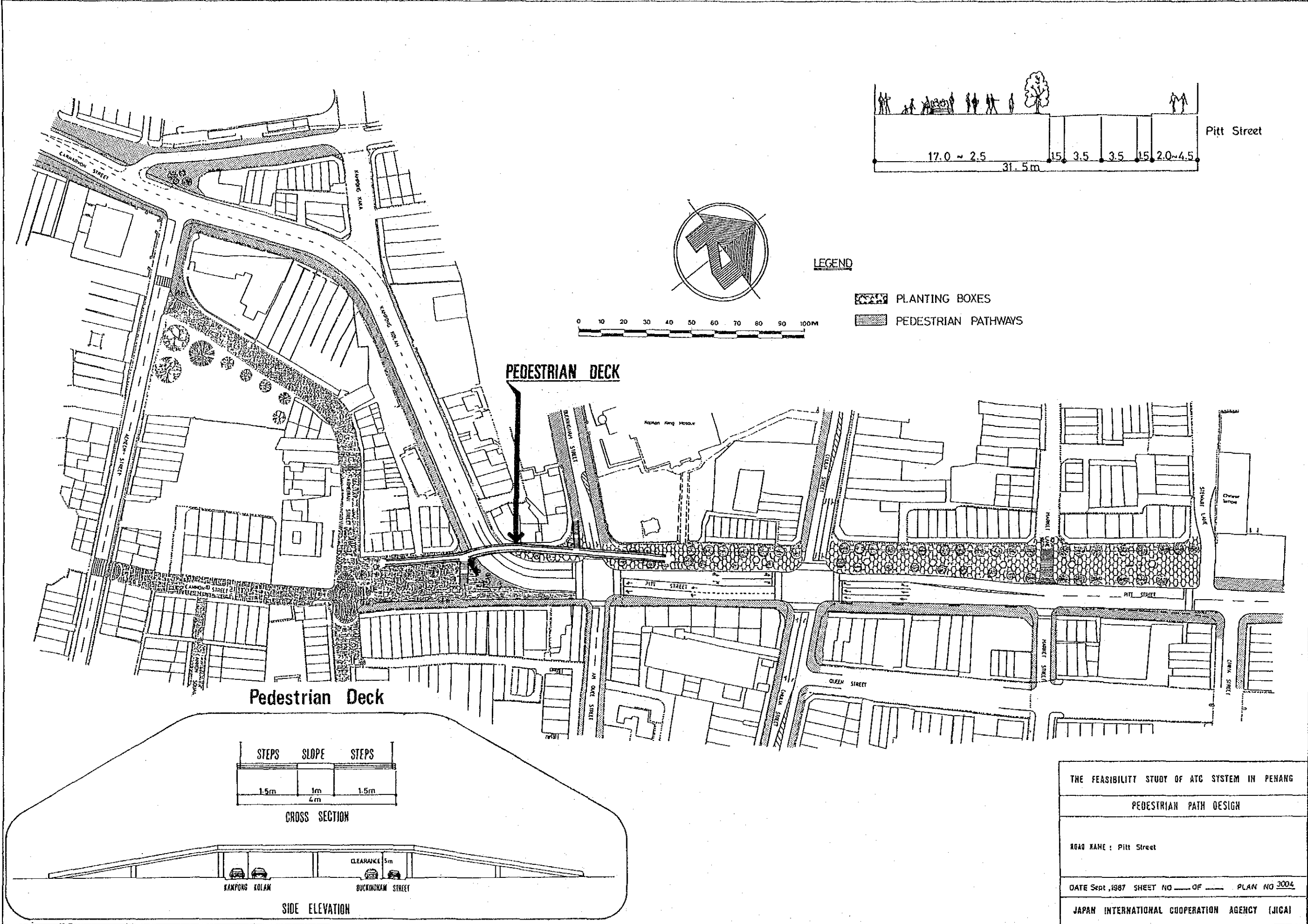
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME: Dato Keramat Road
DATE Sept. 1987 SHEET NO. OF PLAN NO 1002
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)





LEGEND
 PLANTING BOXES
 PEDESTRIAN PATHWAYS



THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME: Carnarvon Street
DATE Sept. 1987 SHEET NO. ___ OF ___ PLAN NO. 3003
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

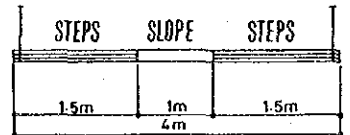


LEGEND

-  PLANTING BOXES
-  PEDESTRIAN PATHWAYS

PEDESTRIAN DECK

Pedestrian Deck

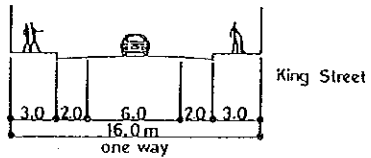
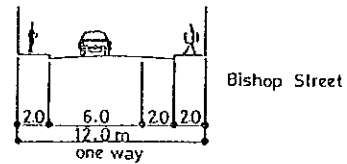
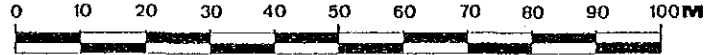
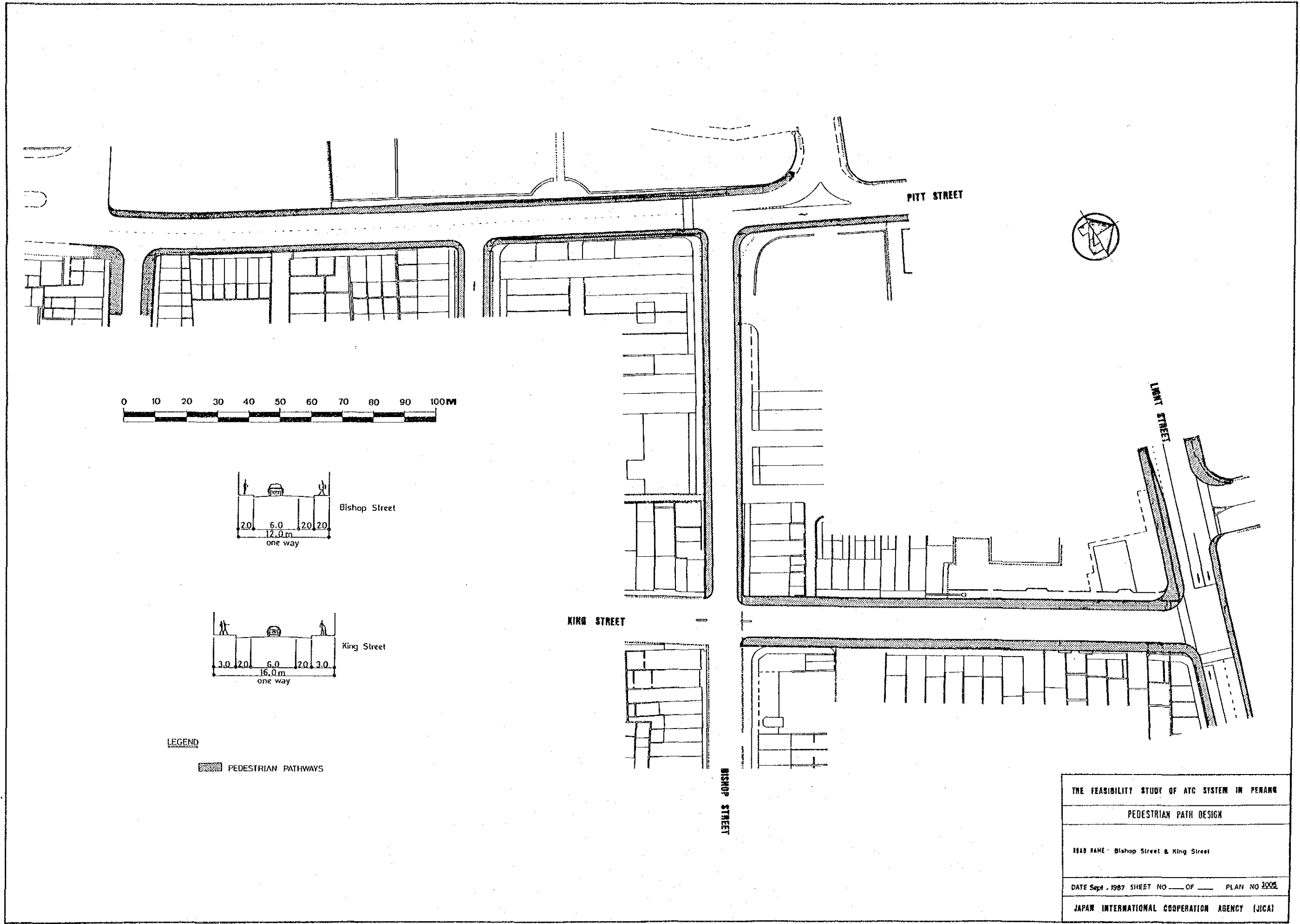


CROSS SECTION



SIDE ELEVATION

THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME : Pitt Street
DATE Sept, 1987 SHEET NO. ___ OF ___ PLAN NO. 3004
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

PEDESTRIAN PATHWAYS

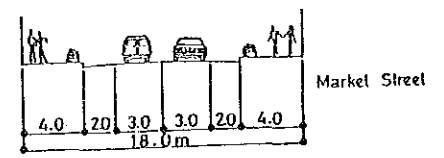
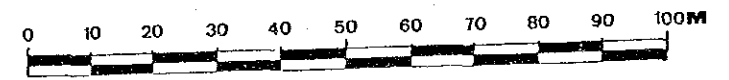
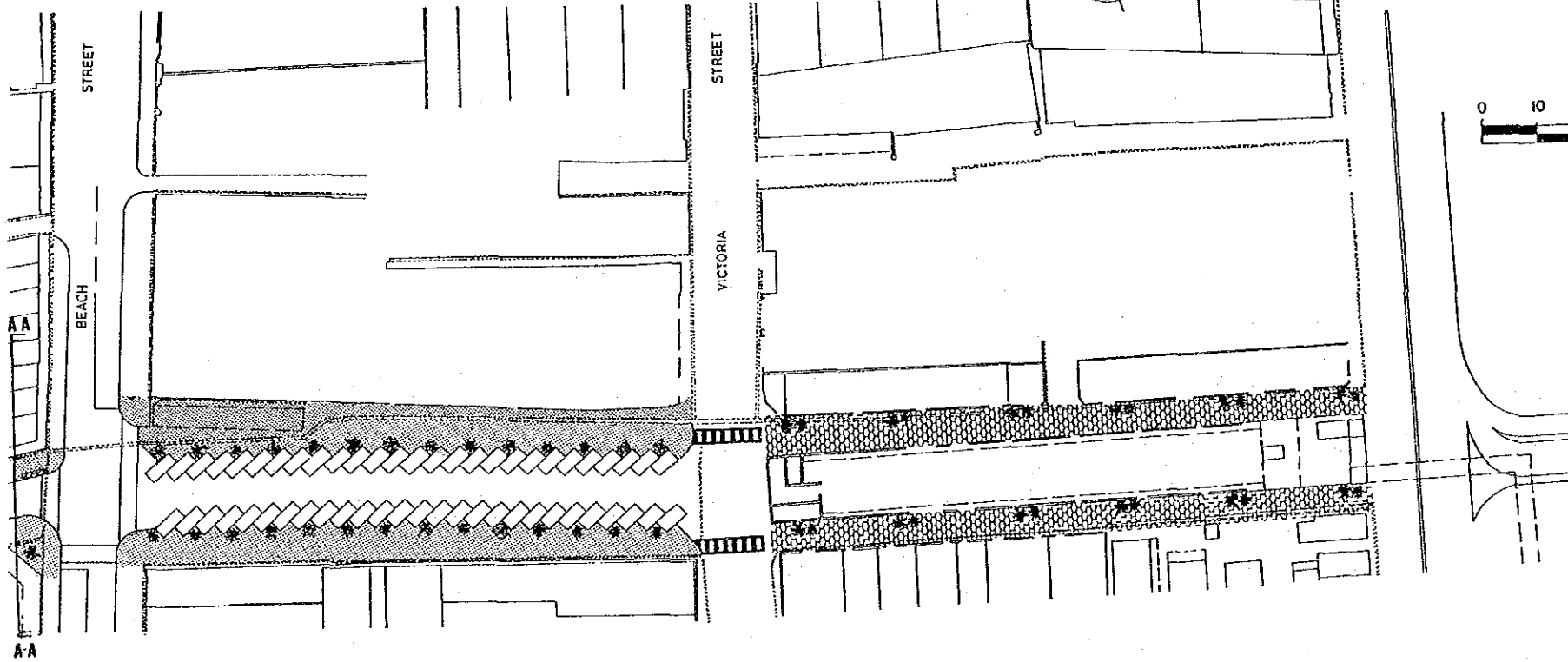
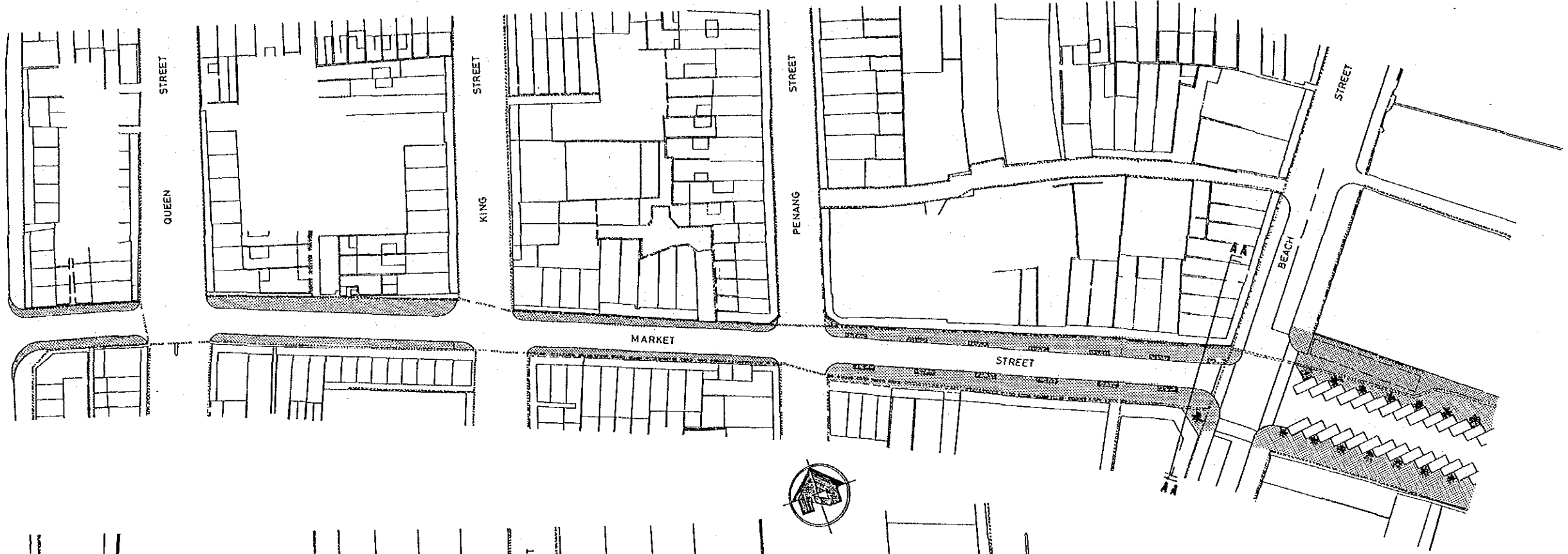
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG

PEDESTRIAN PATH DESIGN

ROAD NAME - Bishop Street & King Street

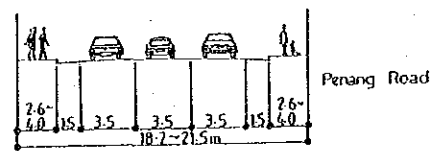
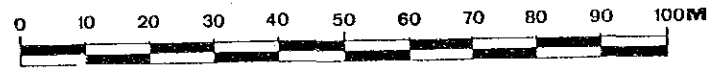
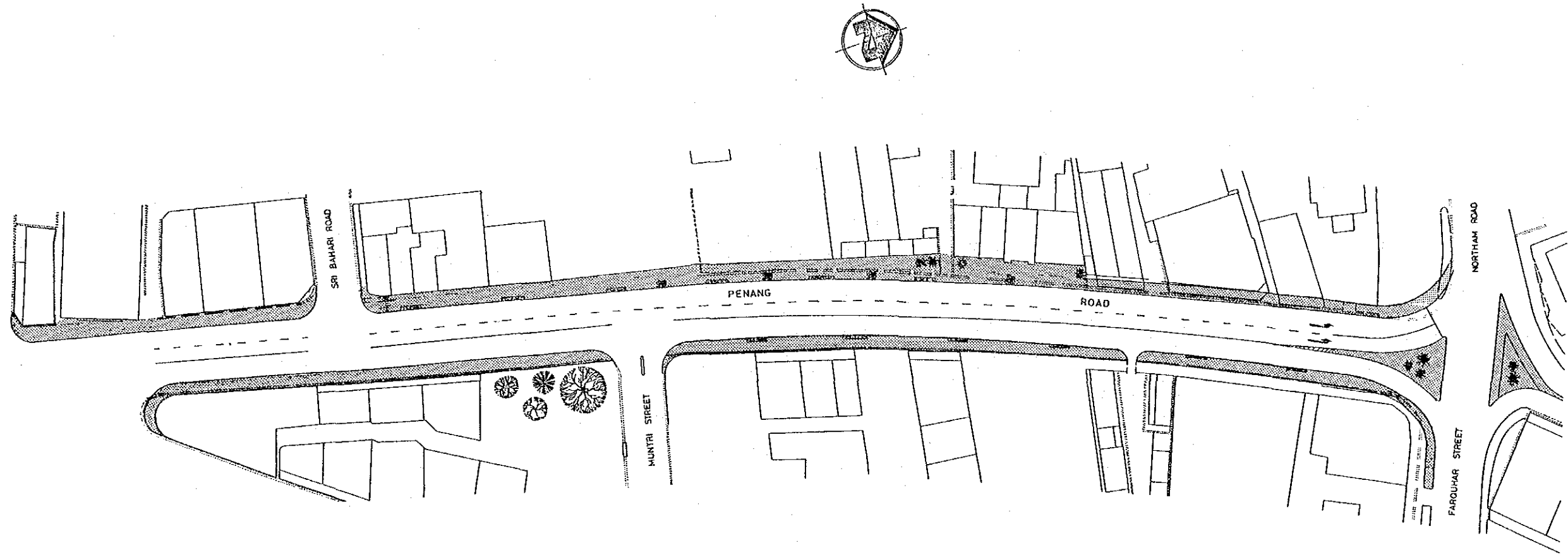
DATE Sept, 1987 SHEET NO ____ OF ____ PLAN NO 1006

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)





- LEGEND
- PLANTING BOXES
 - PEDESTRIAN PATHWAYS

THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME : Market Street
DATE Sept, 1987 SHEET NO ____ OF ____ PLAN NO 3008
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

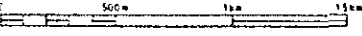
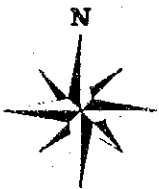
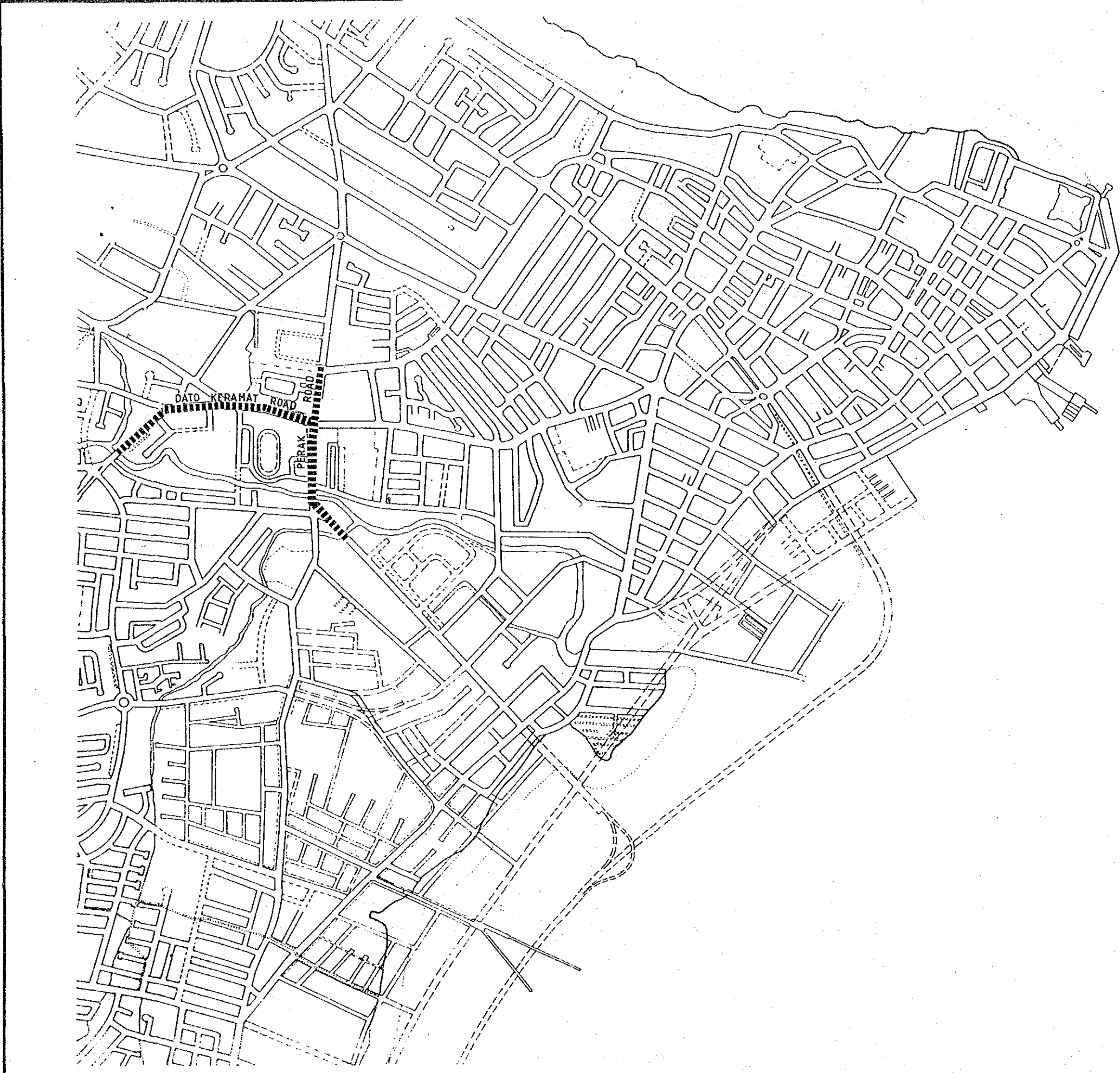
-  PLANTING BOXES
-  PEDESTRIAN PATHWAYS

THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
PEDESTRIAN PATH DESIGN
ROAD NAME : Penang Road
DATE Sept. 1987 SHEET NO. ____ OF ____ PLAN NO 3007
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

4. ROAD IMPROVEMENT DESIGN

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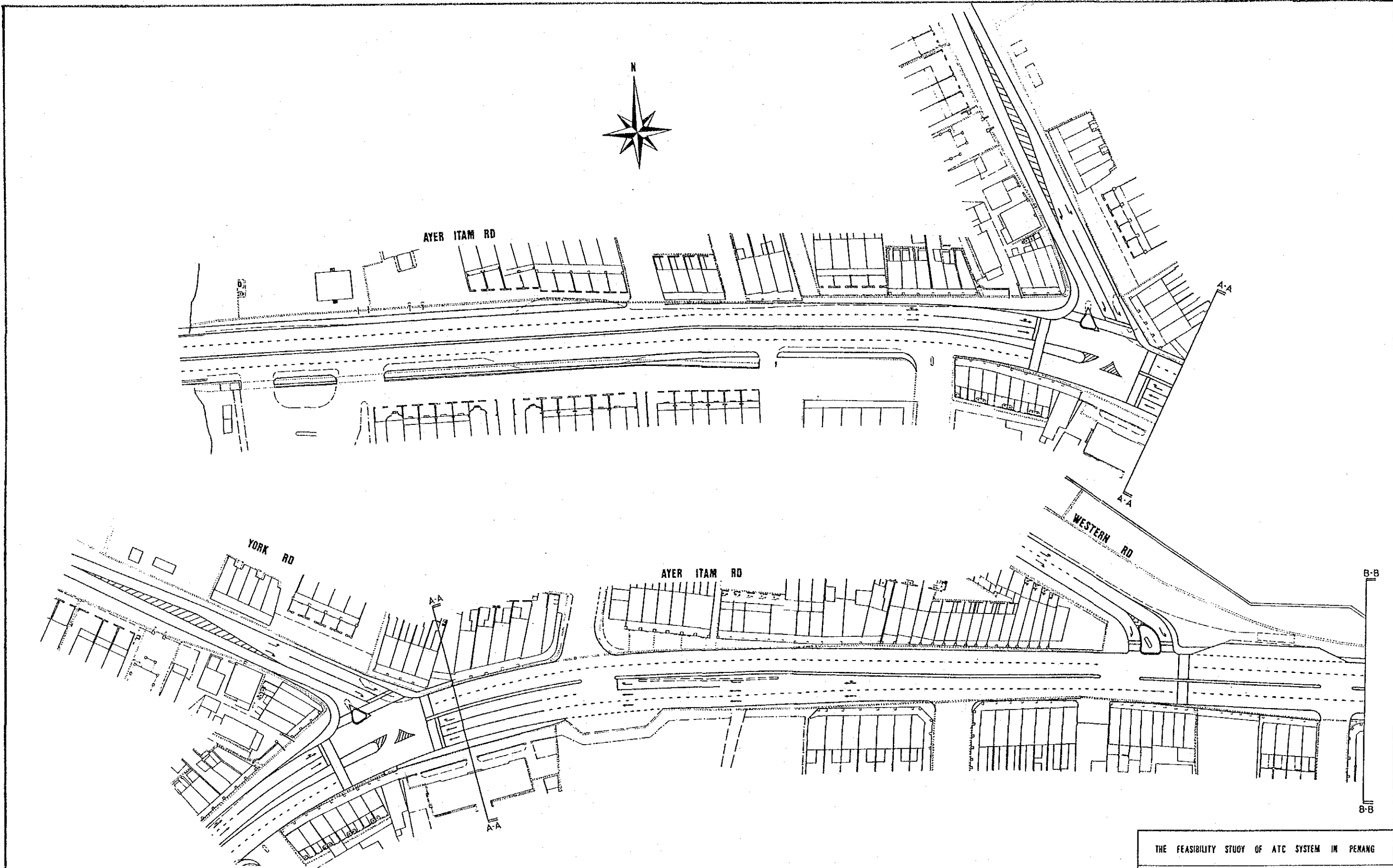
	Plan No.
Location Map	4000
Road Improvement Design:	
• Dato Keramat Road	4001 - 4002
• Perak Road	4003 - 4004
• Flyover on Dato Keramat	4005



LEGEND

■■■■■■■■ ROAD IMPROVEMENT SITE

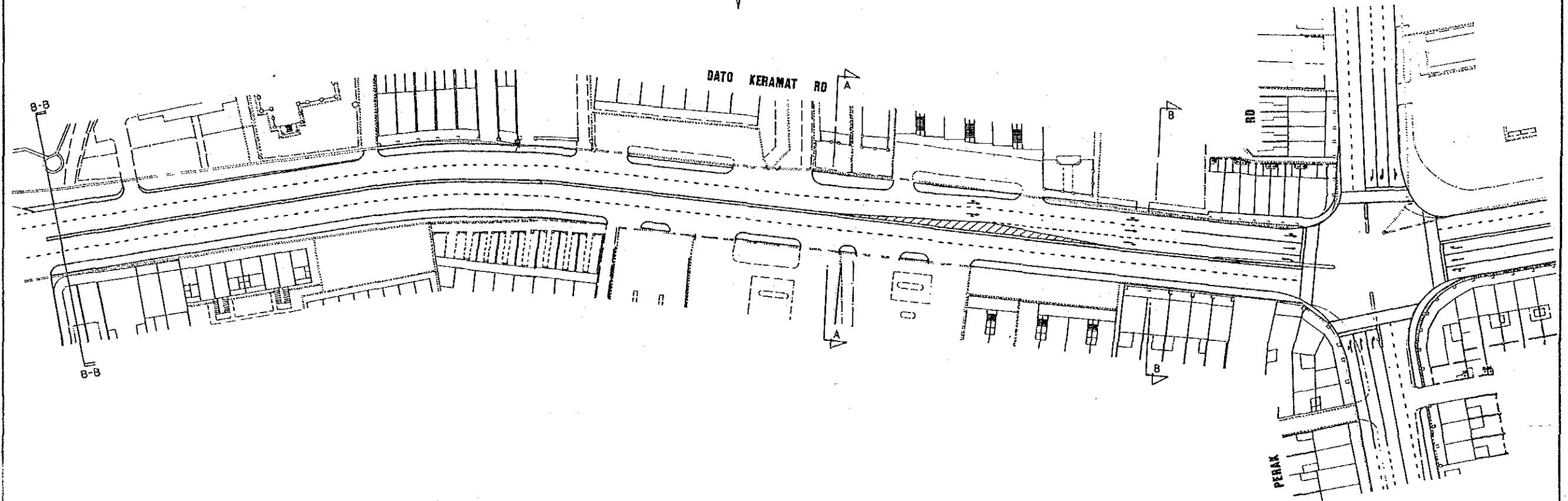
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
ROAD IMPROVEMENT DESIGN
Location Map
DATE Sept. 1987 SHEET NO. --- OF --- PLAN NO. 4-000
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

i) Lane lines	(a) Broken		± 100mm
	(b) Unbroken		± 100mm
ii) Edge lines			± 150mm
iii) Continuity lines			± 200mm

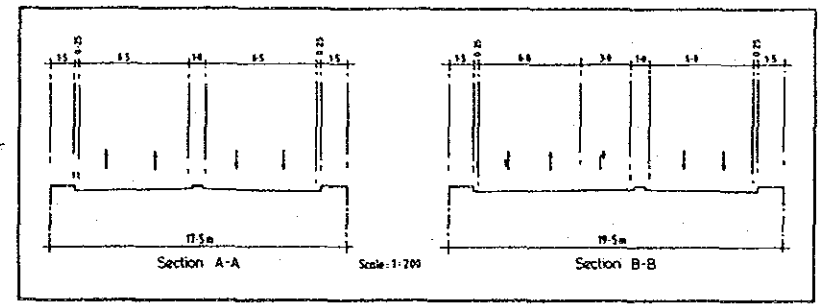
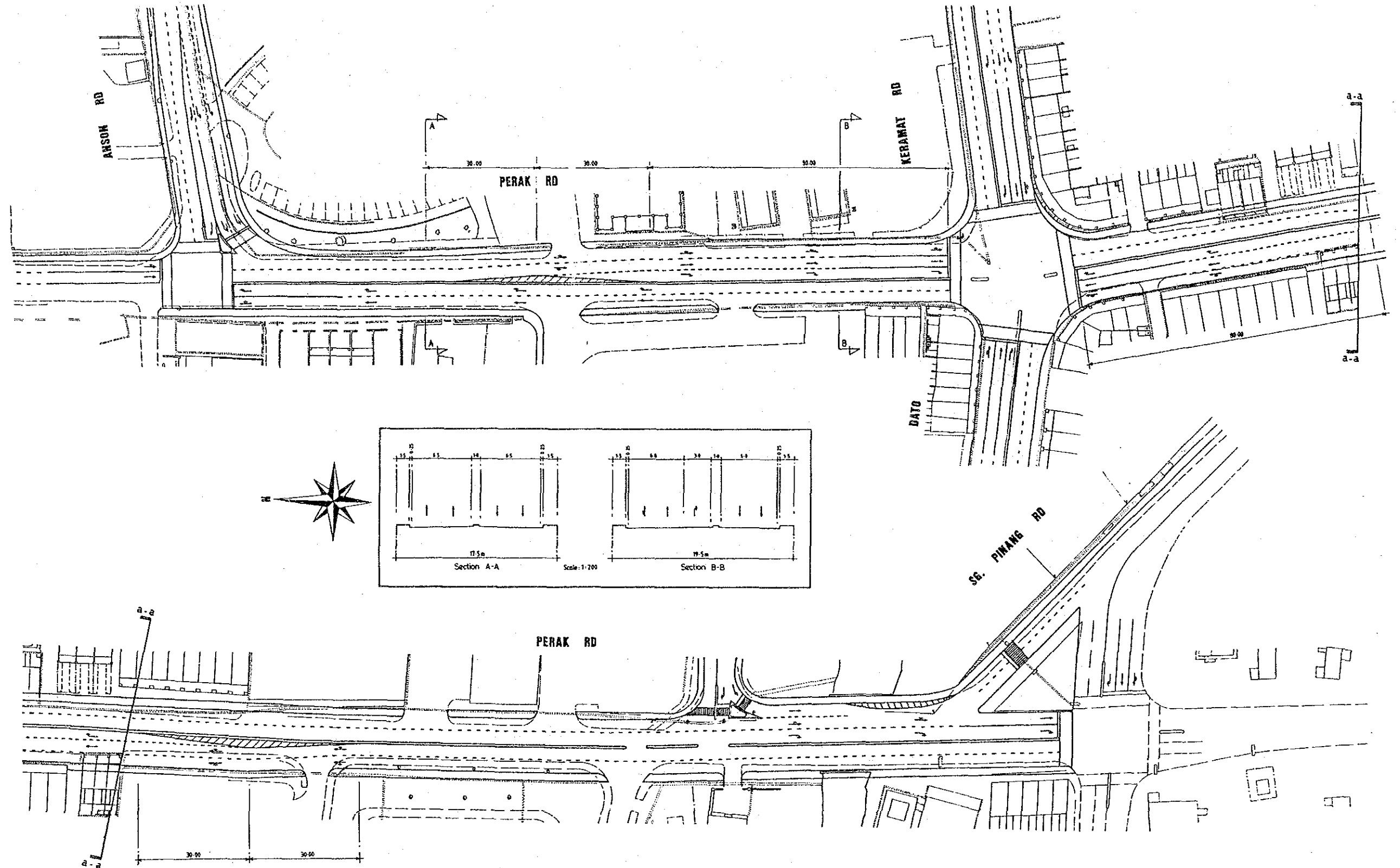
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
ROAD IMPROVEMENT DESIGN
ROAD NAME: DATO KERAMAT ROAD FROM YORK RD TO PERAK RD (1)
SCALE 1/100
DATE Sep., 1987 SHEET NO. ___ OF ___ PLAN NO. 4001
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

i) Lane lines	(a) Broken		± 100mm
	(b) Unbroken		± 100mm
ii) Edge lines			± 150mm
iii) Continuity lines			± 200mm

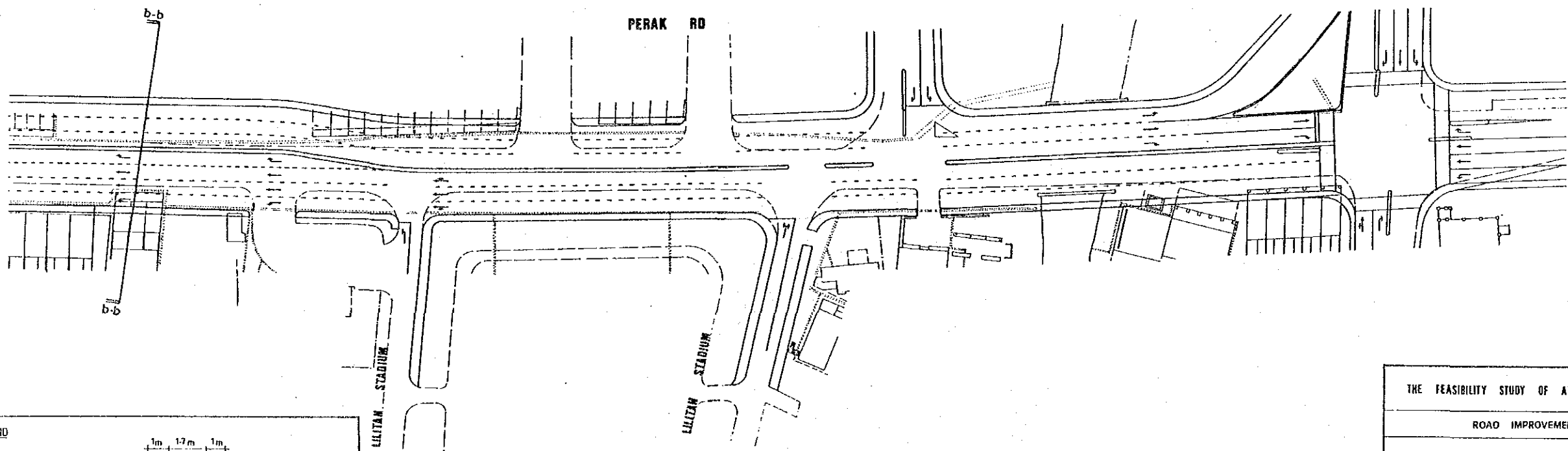
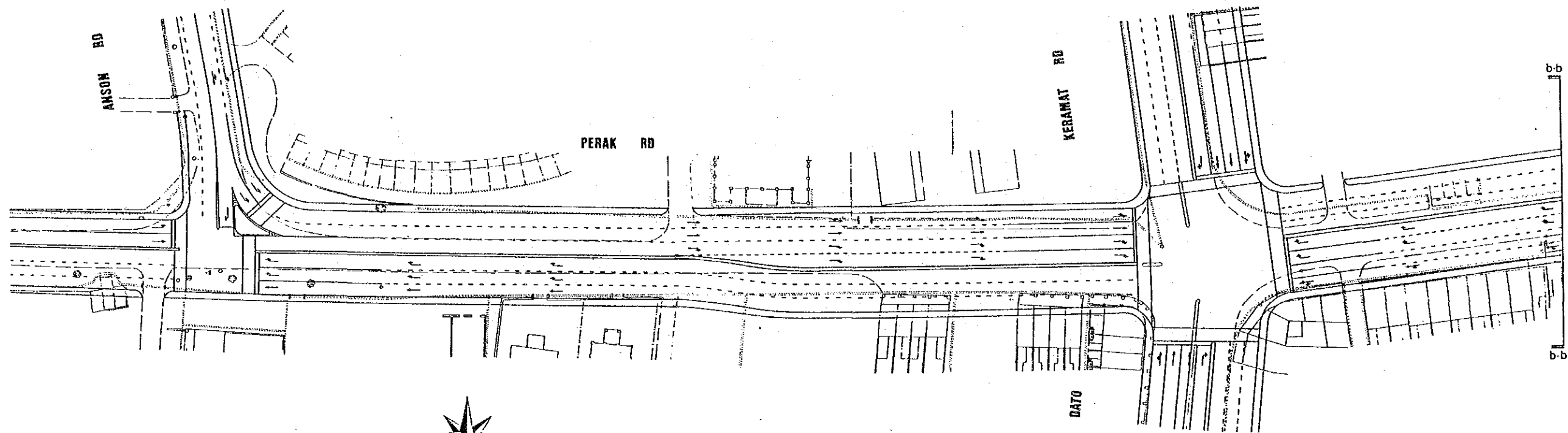
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
ROAD IMPROVEMENT DESIGN
ROAD NAME DATO KERAMAT RD (FROM TRUK RD TO PERAK RD) (2)
SCALE 1/400
DATE Sep., 1987 SHEET NO. ____ OF ____ PLAN NO. 4002
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

i) Lane lines	(a) Broken		± 100mm
	(b) Unbroken		± 100mm
ii) Edge lines			± 150mm
iii) Continuity lines			± 200mm

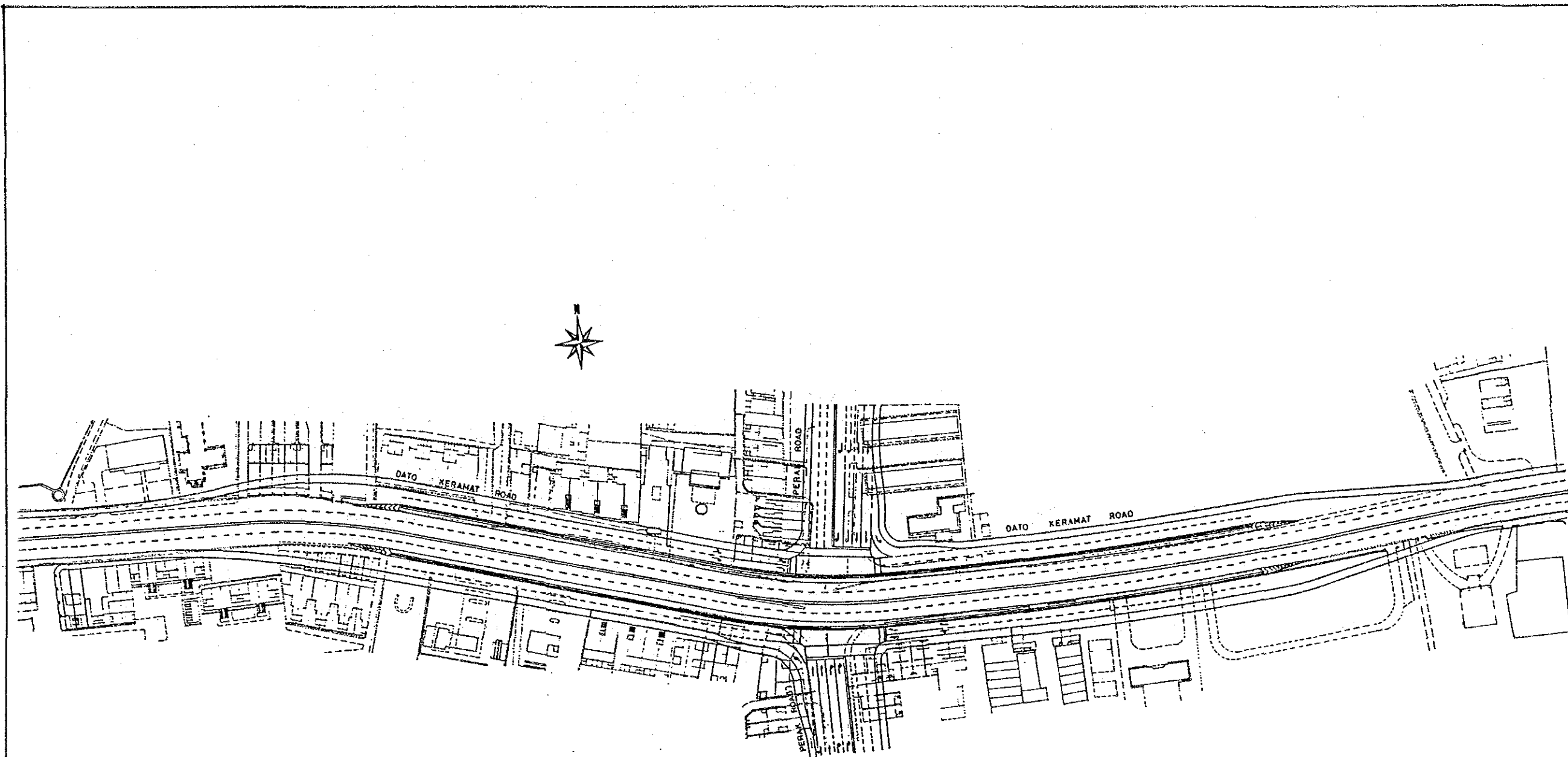
THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
 ROAD IMPROVEMENT DESIGN
 ROAD NAME: PERAK RD. (FROM JAMBU TO N. H. PINANG 12.1 (4 lanes)
 SCALE: 1/400
 DATE Sep., 1987 SHEET NO. ___ OF ___ PLAN NO. 4003
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



LEGEND

i) Lane lines	(a) Broken		± 100mm
	(b) Unbroken		± 100mm
ii) Edge lines			± 150mm
iii) Continuity lines			± 200mm

THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
ROAD IMPROVEMENT DESIGN
ROAD NAME - PERAK RD (EXISTING ROAD IN 50' WIDEN RD.) (6 lanes)
SCALE - 1/400
DATE Sep. 1987 SHEET NO. ___ OF ___ PLAN NO. 4004
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



THE FEASIBILITY STUDY OF ATC SYSTEM IN PENANG
FLYOVER ON DATO KERAMAT ROAD
DATE Sept., 1987 SHEET NO. OF PLAN NO. 4005
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA