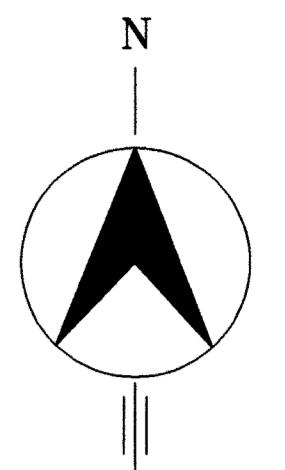
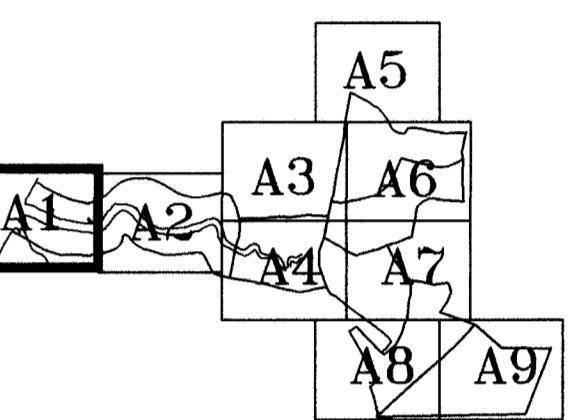


## **5. TOPOGRAPHIC MAP**



TOPOGRAPHIC MAPPING  
FOR THE STUDY  
ON INTEGRATED URBAN DRAINAGE IMPROVEMENT  
FOR MELAKA AND SUNGAI PETANI  
IN MALAYSIA

INDEX TO ADJOINING SHEETS



LEGEND	
AREA UNDER CONSTRUCTION	[Symbol: outline box]
PERMANENT BUILDING	[Symbol: solid box]
WOODEN HOUSE	[Symbol: cross-hatch]
BRIDGE (CONCRETE)	[Symbol: bridge icon]
CULVERT PIPE	[Symbol: pipe icon]
METALLED ROAD	[Symbol: road icon]
TRACK	[Symbol: track icon]
RAILWAY	[Symbol: railway icon]
RIVER/STREAM/DRINK	[Symbol: river icon]
WATER LOG AREA	[Symbol: water log icon]
POOL/POUND/LAKE	[Symbol: pool/lake icon]
CUTTING	[Symbol: cutting icon]
SLOPE	[Symbol: slope icon]
RUBBLE WALL	[Symbol: rubble wall icon]
CONTOURS	[Symbol: contour lines icon]
INTERMEDIATE CONTOURS (OPEN AREA)	[Symbol: dashed contour lines icon]
TRANSMISSION LINE	[Symbol: transmission line icon]
SPOT LEVEL	[Symbol: spot level icon]
GRASS FIELD/ALANG	[Symbol: grass field icon]
ANGLE	[Symbol: angle icon]
ORDNANCE	[Symbol: ordnance icon]
DAMP	[Symbol: damp icon]
PADDY	[Symbol: paddy icon]
OL. PALM	[Symbol: oil palm icon]
RUBBER	[Symbol: rubber icon]
SCRUB/BUSH	[Symbol: scrub/bush icon]
VEGETABLE FARM	[Symbol: vegetable farm icon]
CLEARED LAND	[Symbol: cleared land icon]
NURSERY	[Symbol: nursery icon]

NOTE  
Kedah State Grid Coordinates in metre  
Photography taken in SEPTEMBER 1999  
Ground Survey SEPTEMBER 1999  
Mapping Work SEPTEMBER 1999



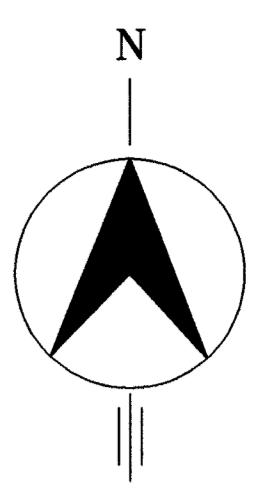
JAPAN INTERNATIONAL  
COOPERATION AGENCY  
GOVERNMENT OF MALAYSIA

DATE:
DRAWN BY:
CHECKED BY:

PLAN NO: JP/99/MEL/99/A1

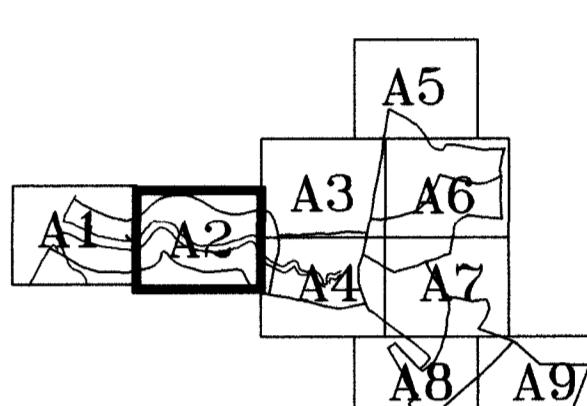
SCALE 1 : 2,000  
HORIZONTAL 20 40  
200 400 metres

HEIGHS IN METRES ABOVE MEAN SEA LEVEL



TOPOGRAPHIC MAPPING  
FOR THE STUDY  
ON INTEGRATED URBAN DRAINAGE IMPROVEMENT  
FOR MELAKA AND SUNGAI PETANI  
IN MALAYSIA

INDEX TO ADJOINING SHEETS



LEGEND	
AREA UNDER CONSTRUCTION	A.U.C.
PERMANENT BUILDING	■
WOODEN HOUSE	□
BRIDGE (CONCRETE)	△
CULVERT PIPE	○
METALLED ROAD	—
TRACK	—
RAILWAY	—
RIVER/STREAM/DRAIN	—
WATER LOG AREA	—
POOL/POND/LAKE	—
CUTTING	—
SLOPE	—
RUBBLE WALL	—
CONTOURS	—
INTERVALLE CONTOURS BY 0.5 METRE	—
TRANSMISSION LINE	—
SPOT LEVEL	133.4
GRASS FIELD/PLAINS	—
JUNGLE	—
ORDARD	—
SWAMP	—
PADDY	—
OL PALM	—
RUBBER	—
SONG/RUSH	—
VEGETABLE FARM	—
CLEARED LAND	—
NURSERY	—

NOTE

Kedah State Grid Coordinates in metre  
Photography taken in SEPTEMBER 1999  
Ground Survey in SEPTEMBER 1999  
Mapping Work in SEPTEMBER 1999

JICA


JAPAN INTERNATIONAL  
COOPERATION AGENCY

GOVERNMENT OF MALAYSIA

DATE:
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JICA  
JAPAN INTERNATIONAL COOPERATION AGENCY  
GOVERNMENT OF MALAYSIA

DATE:
DRAWN BY:
CHECKED BY:

PLAN NO: JP/99/MEL/99/A3

SCALE 1 : 2,000  
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 metres

HEIGHS IN METRES ABOVE MEAN SEA LEVEL