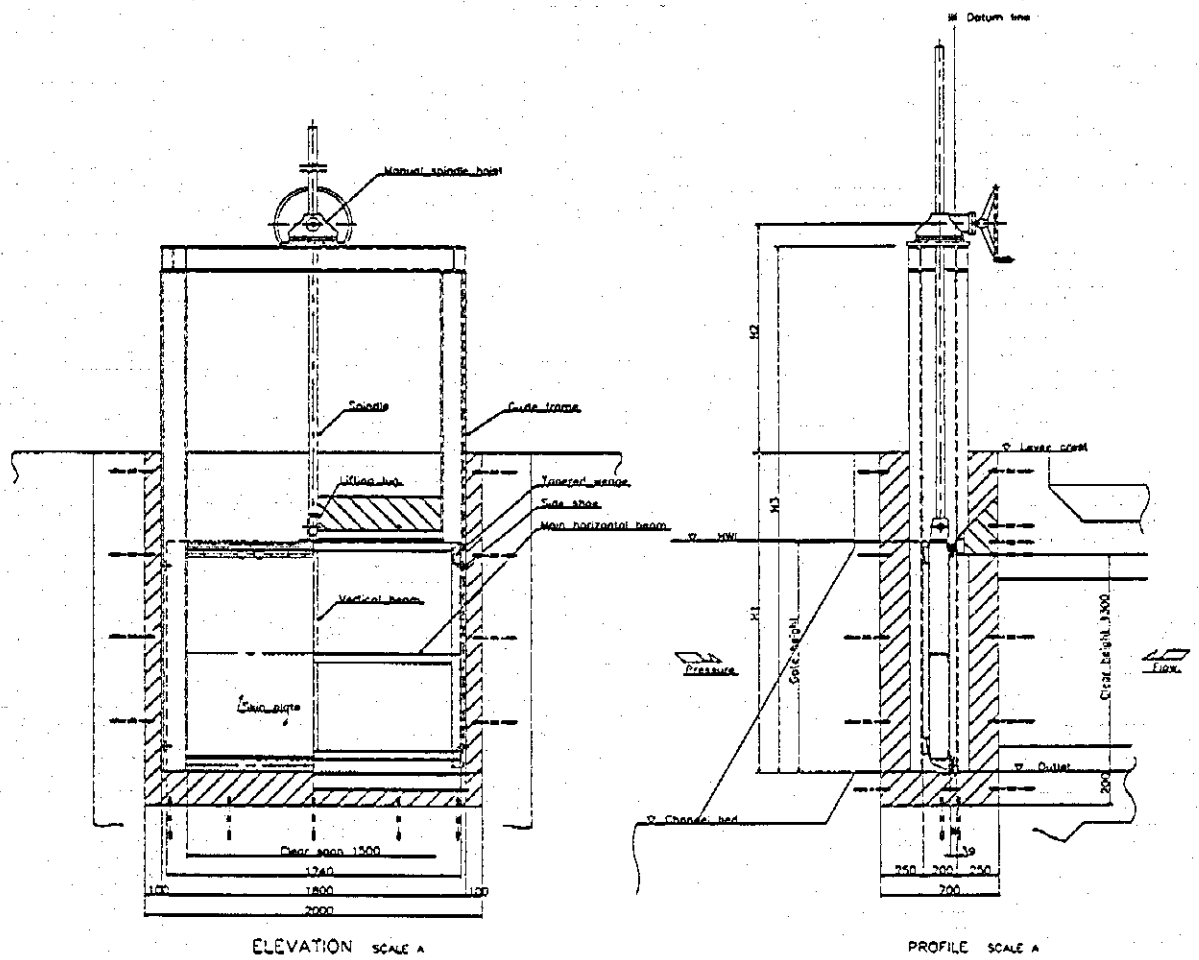
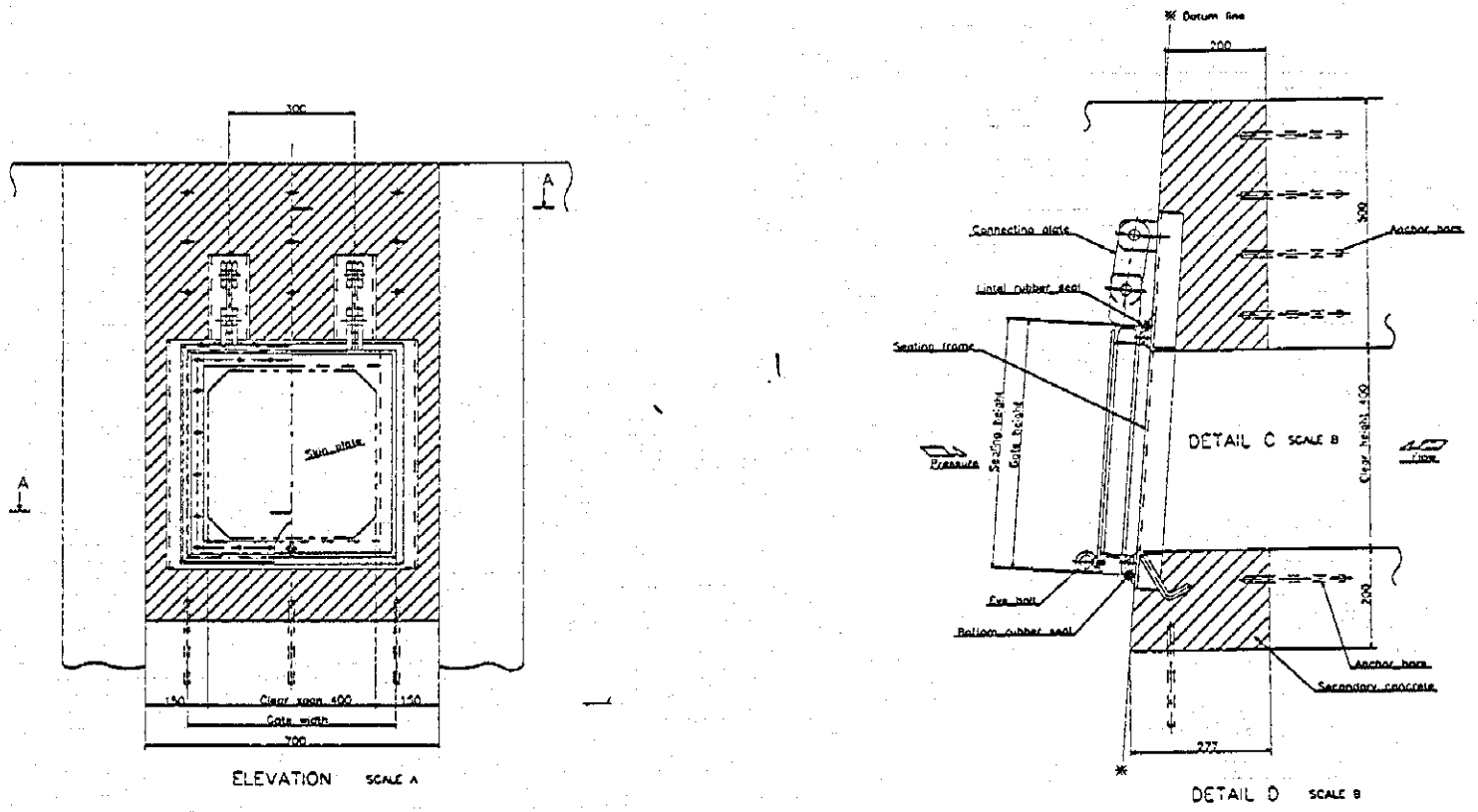


SLIDE GATE

Fig 4.3.7 General Features of Sluiceway Gates (1/2)



FLAP GATE

Fig 4.3.7 General Features of Sluiceway Gates (2/2)

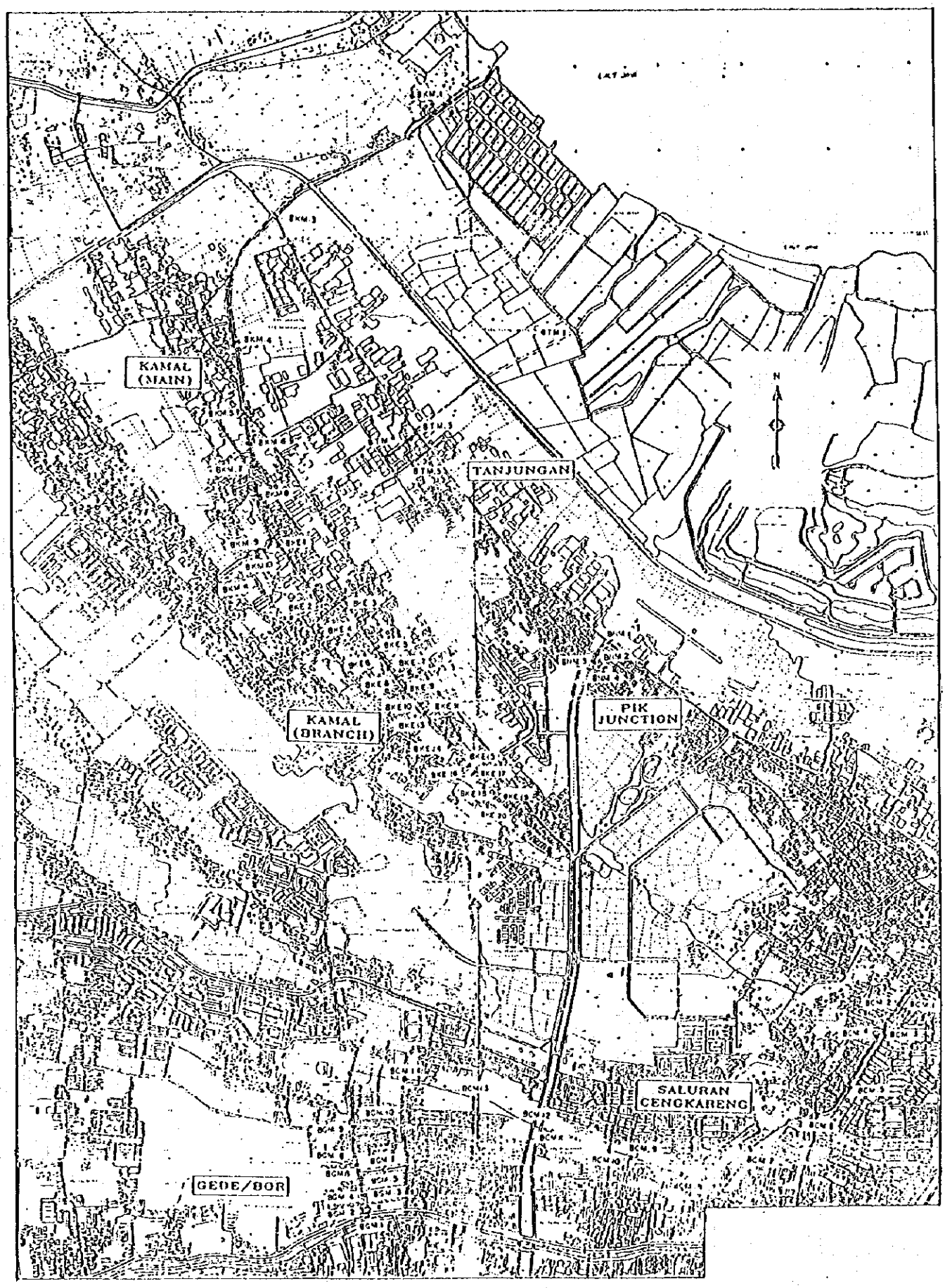


Fig 4.4.1 Location Map of Bridges (1/2)

(Cengkareg West Area)

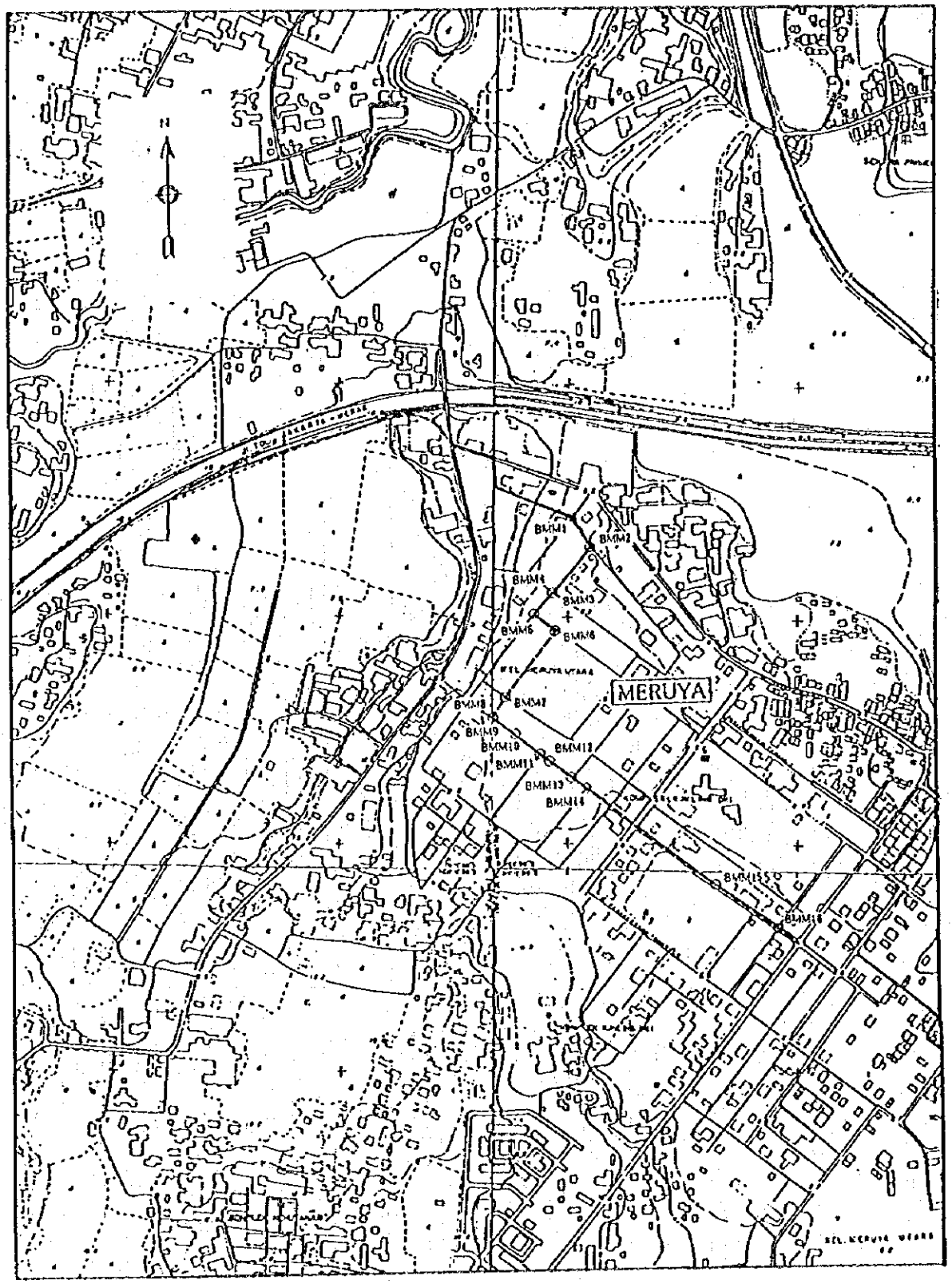
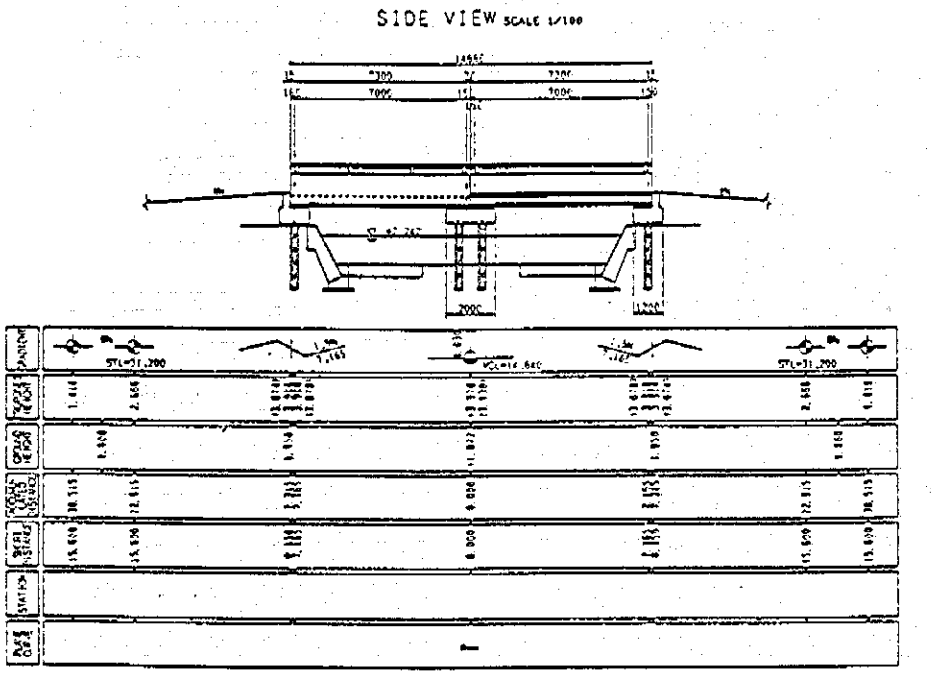
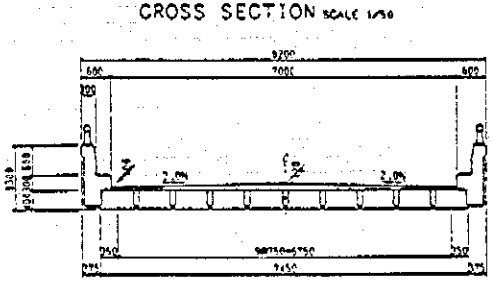
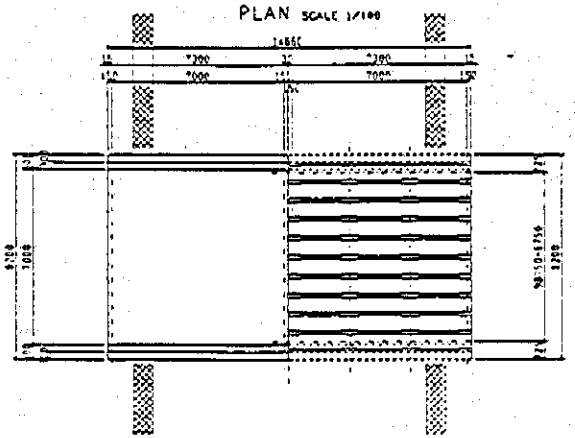


Fig 4.4.1 Location Map of Bridges (2/2)
(Meruya Area)







DESIGN CONDITION

BRIDGE NAME	BKE13 (KE14-2)
LIVE LOAD	B$_W$ 20
GIRDER LENGTH	31.20 m
SPAN LENGTH	31.00 m
WIDTH	9.20 m
BRIDGE ANGLE	90°

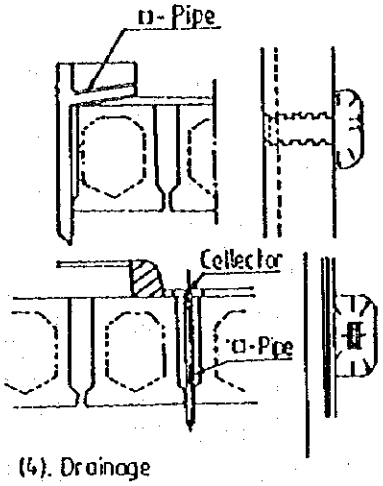
REACTION

	MOMENT (tf)	P (tf)
DEAD LOAD	42.2	84.3
LIVE LOAD	40.0	40.0
TOTAL	82.2	124.3

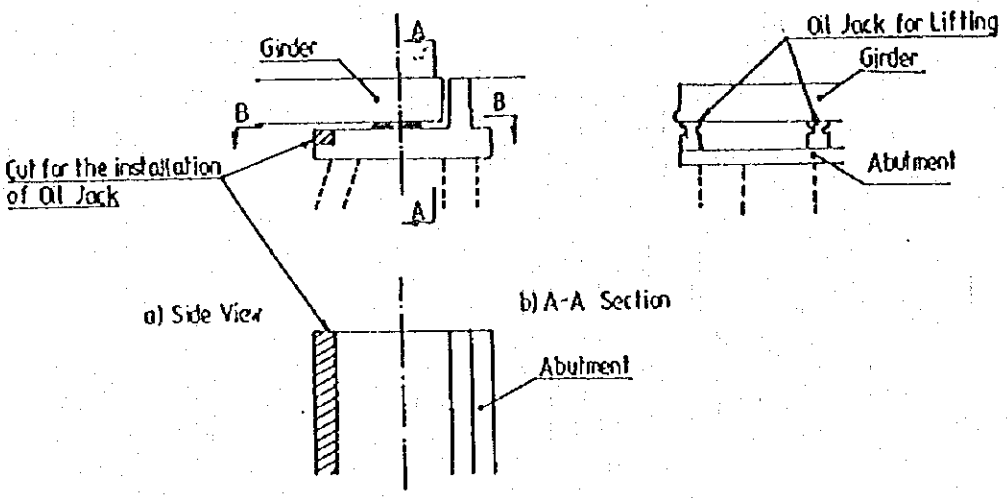
MATERIAL TABLE

KIND OF MATERIAL			UNIT	VOLUME	DESCRIPTION
MAIN GIRDER		NUMBER	no	20	BWTG-01
FORMING	CONCRETE	DESIGN STRENGTH	m^3	5.7	
	FORM		m^2	11.2	
MISCELLANEOUS	ROADWAY	PAVEMENT	m^2	182.2	
	SIDE WALK	PAVEMENT	m^2	—	
		SUB-CONCRETE	m^2	—	
		SIDE BLOCK	m	—	
		FILLING MORTAR	m^2	—	
	GUARD RAIL	CONCRETE	m^3	12.6	
		FORM	m^2	71.4	
		RE-BAR	kg	0.484	
		STEEL-RAILING	m	29.2	
	DRAINAGE	NUMBER		6	
	EXPANSION		m	24.8	
CROSS GIRDER	PC-TENDON	NUMBER		24	
		LENGTH	m	7,230	
		TOTAL LENGTH	m	173,520	
		TOTAL WEIGHT	tf	0.291	
	SHEATH		m	62.2	
	GROUT		m	173.4	

Fig 4.4.2 Typical Section of Girder Type Bridge



(4). Drainage



(5) Pits for lifting bridges with Oil Jack

Remarks : In case of the usage of flat jack with 30-40mm depth, the corner cut is not necessary.

Fig 4.4.3 Ancillary Structure

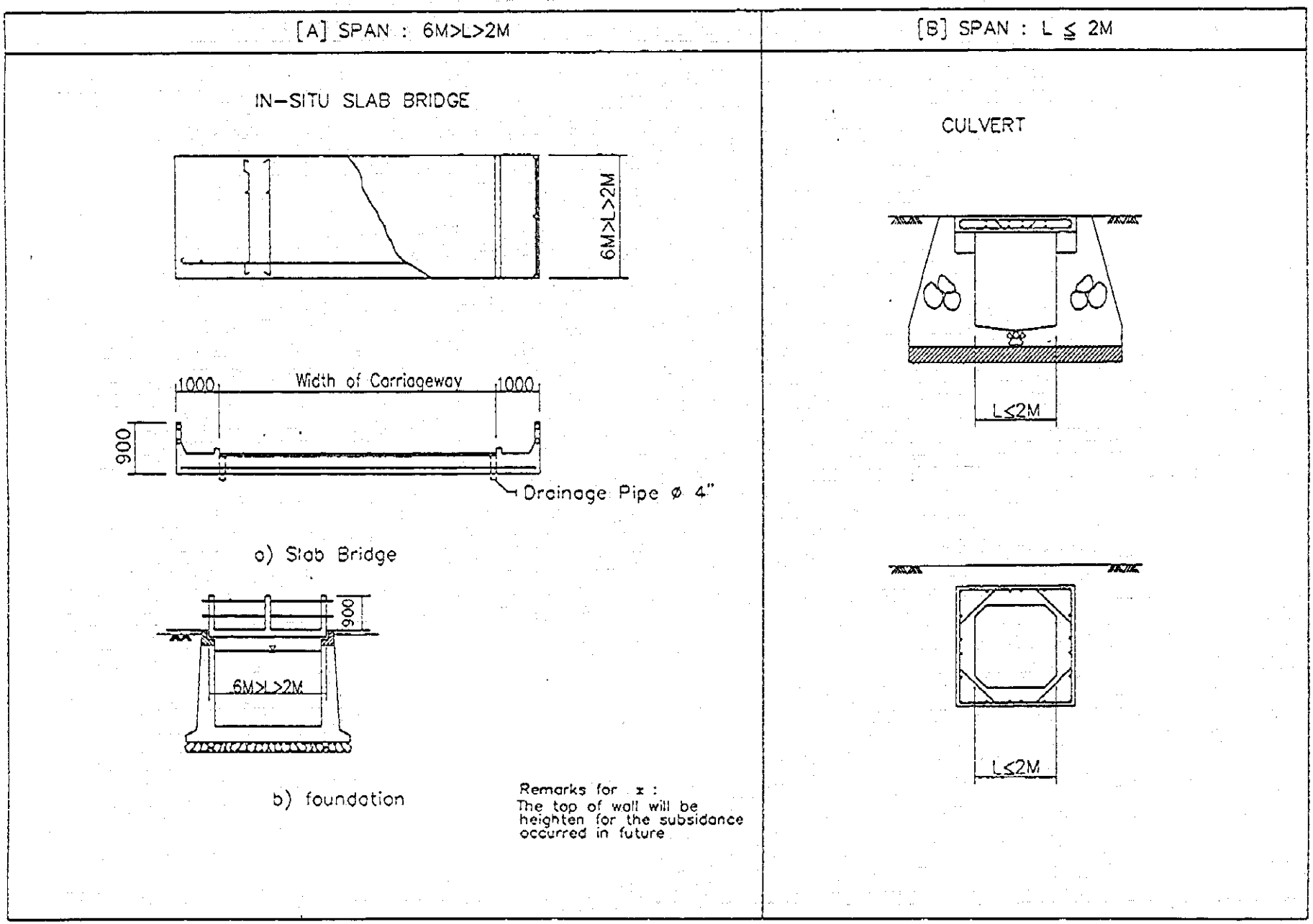


Fig 4.4.4 Typical Section of In-Situ Slab Bridge and Culvert

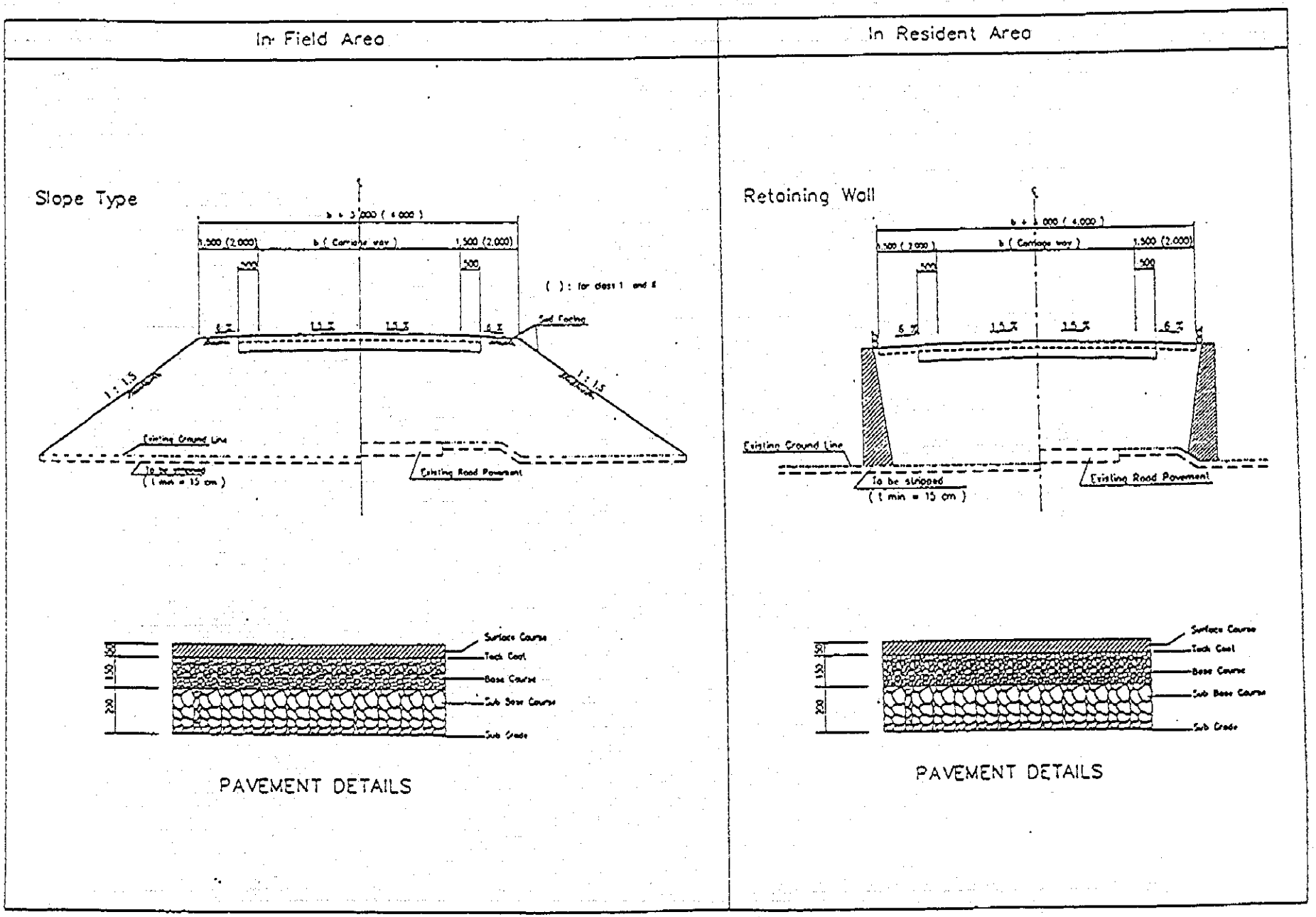


Fig 4.4.5 Typical Cross Section of Access Road

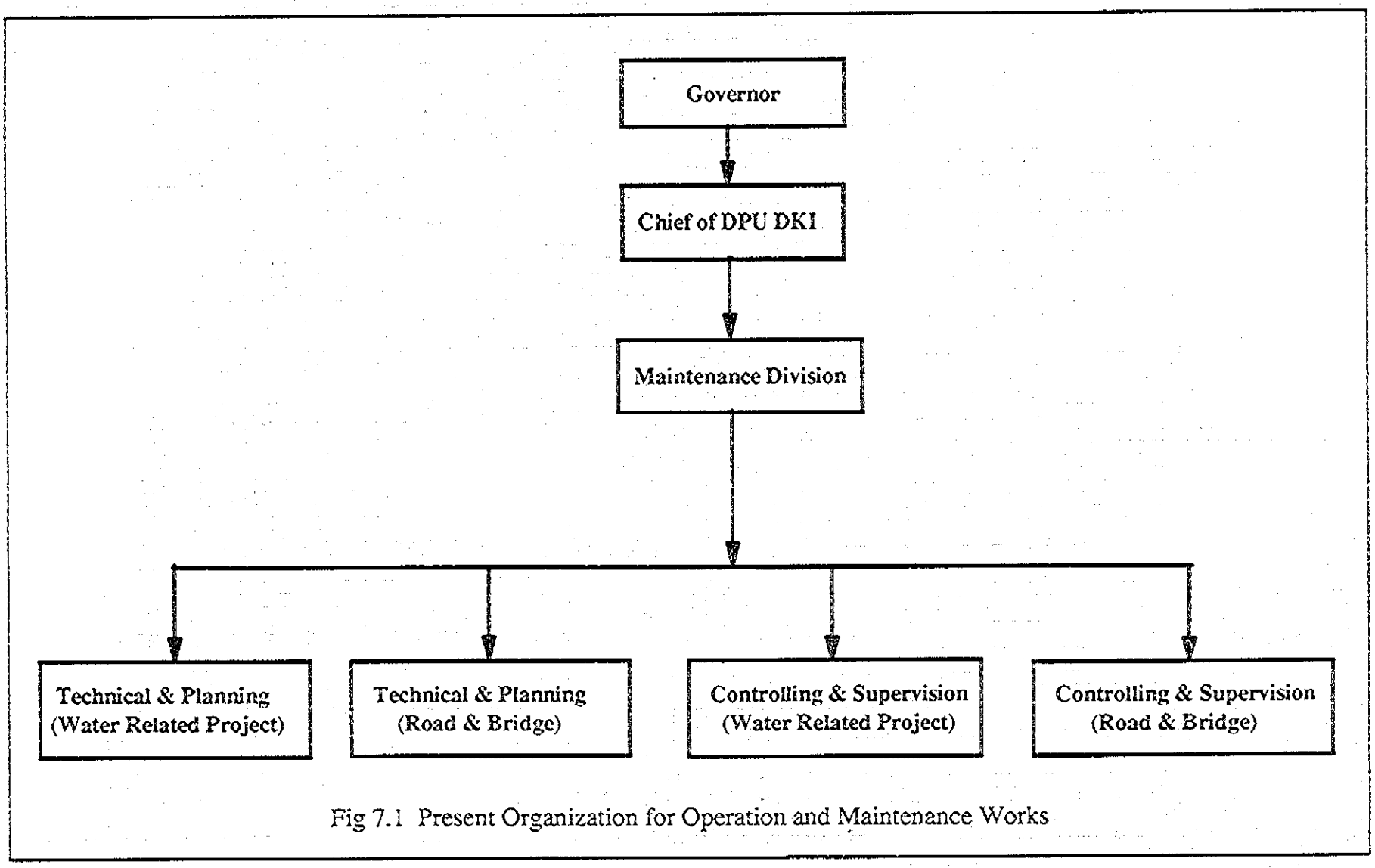


Fig 7.1 Present Organization for Operation and Maintenance Works

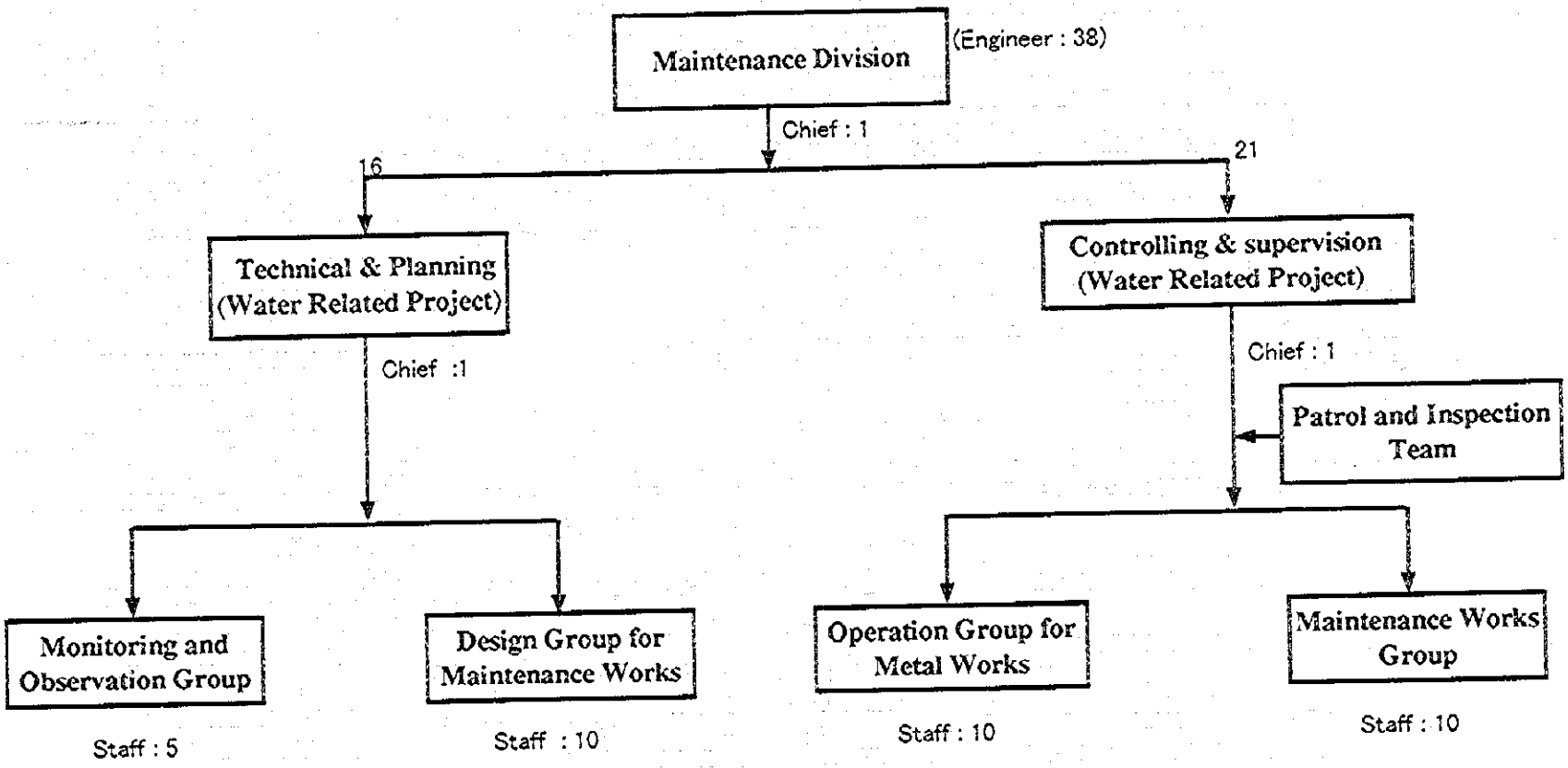


Fig 7.2 Proposed Organization for Operation and Maintenance Works

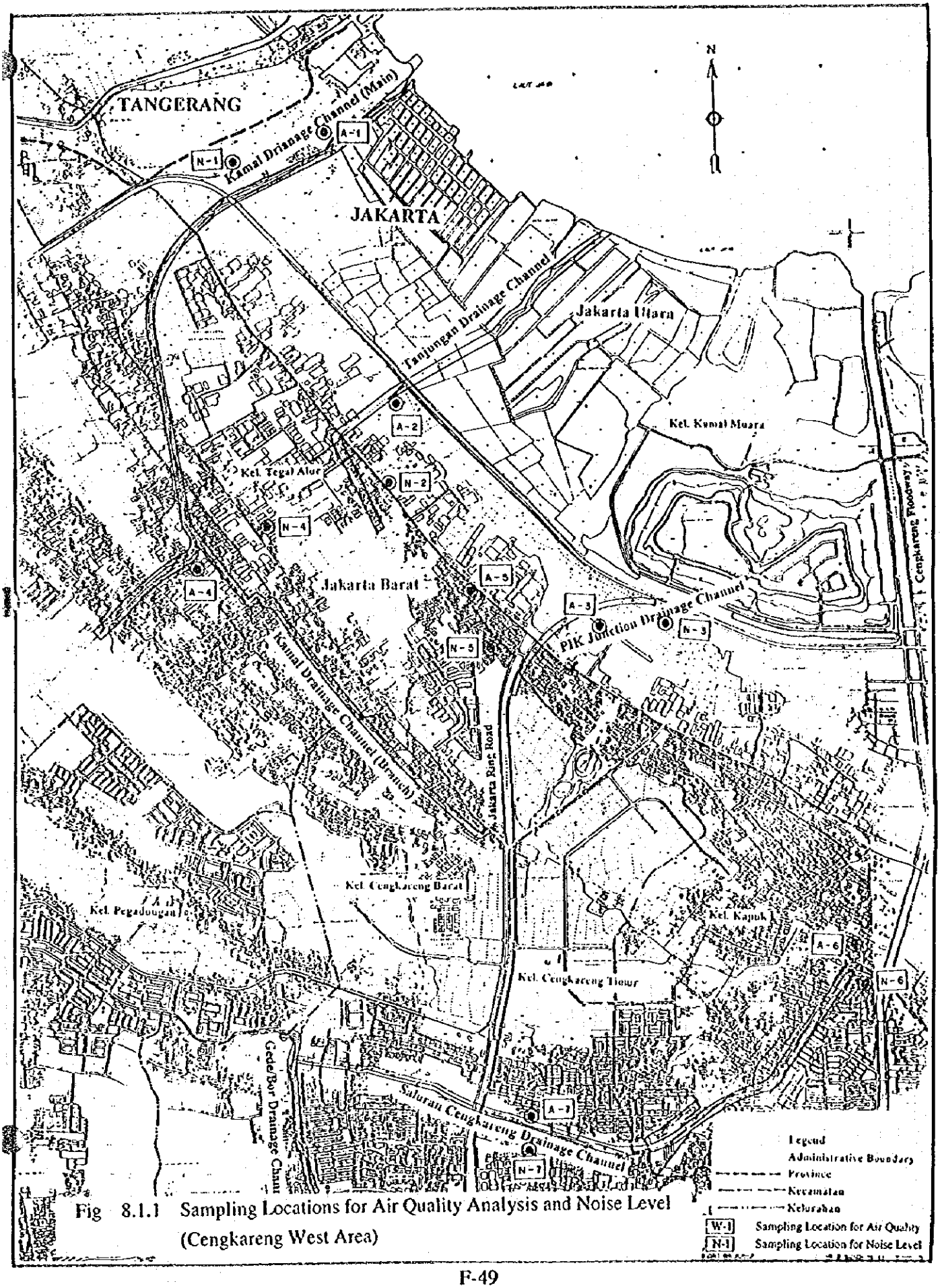


Fig 8.1.1 Sampling Locations for Air Quality Analysis and Noise Level (Cengkareng West Area)

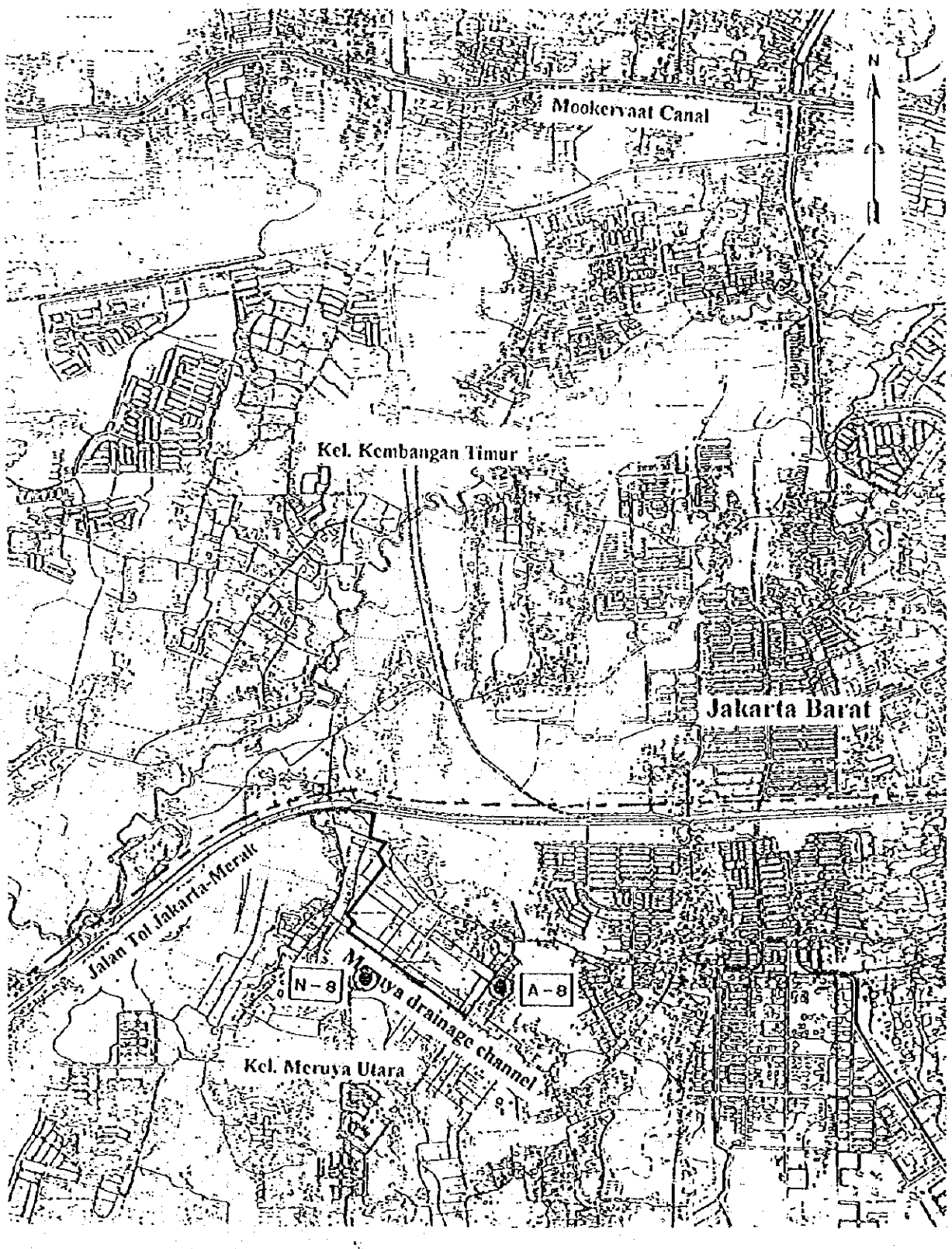


Fig 8.1.2 Sampling Locations for Air Quality Analysis and Noise Level (Meruya Area)

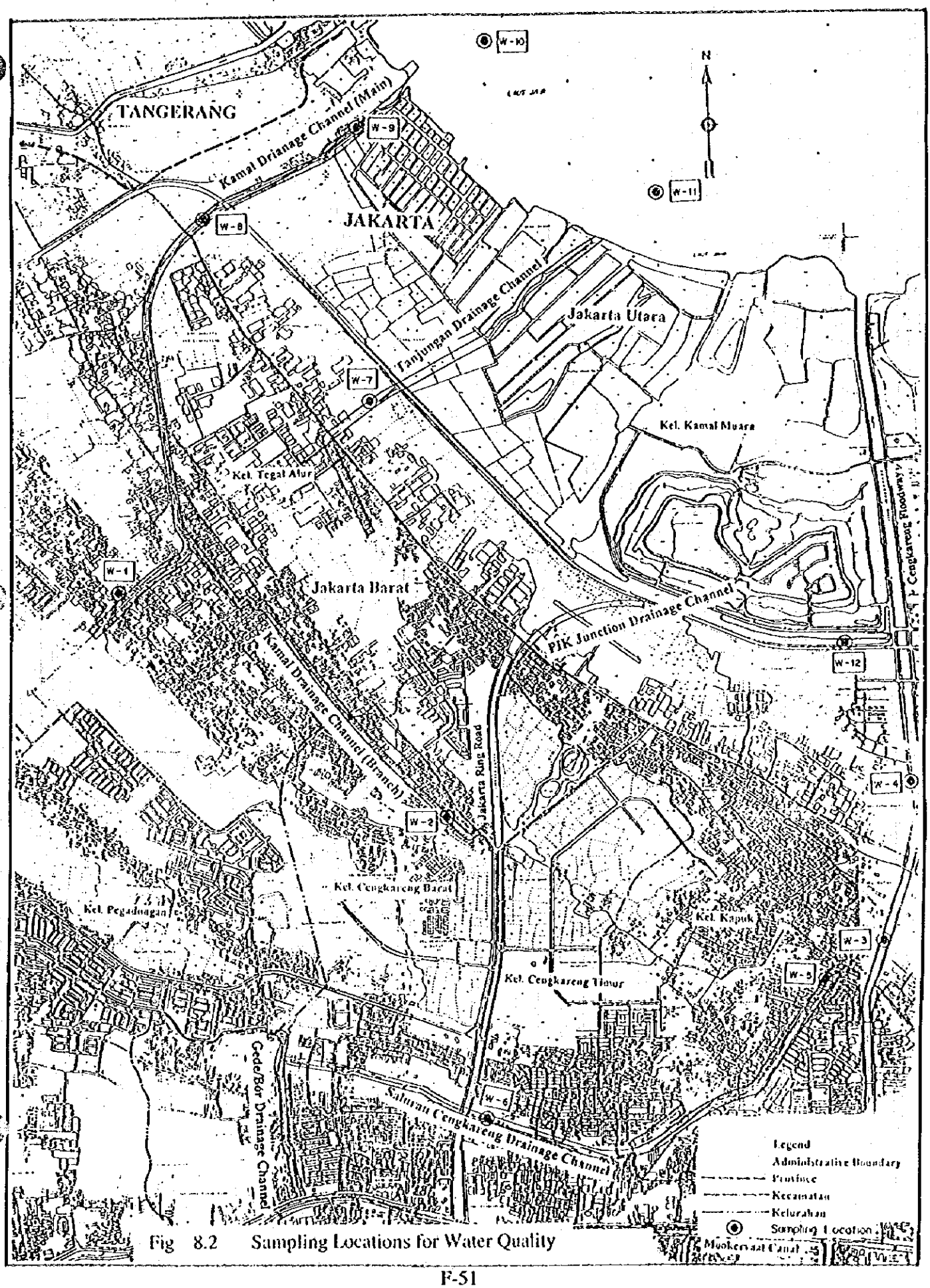


Fig 8.2 Sampling Locations for Water Quality

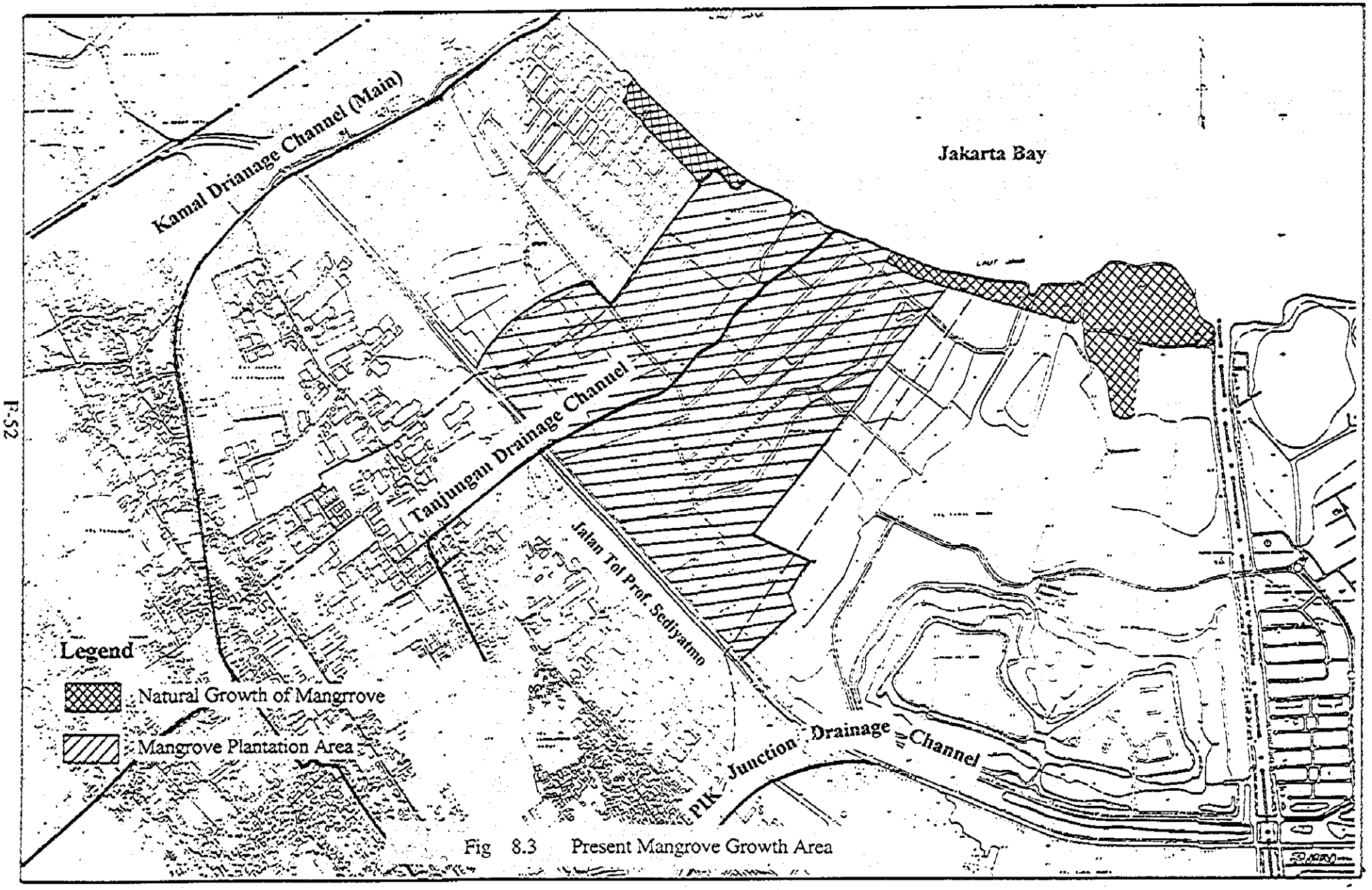


Fig 8.3 Present Mangrove Growth Area

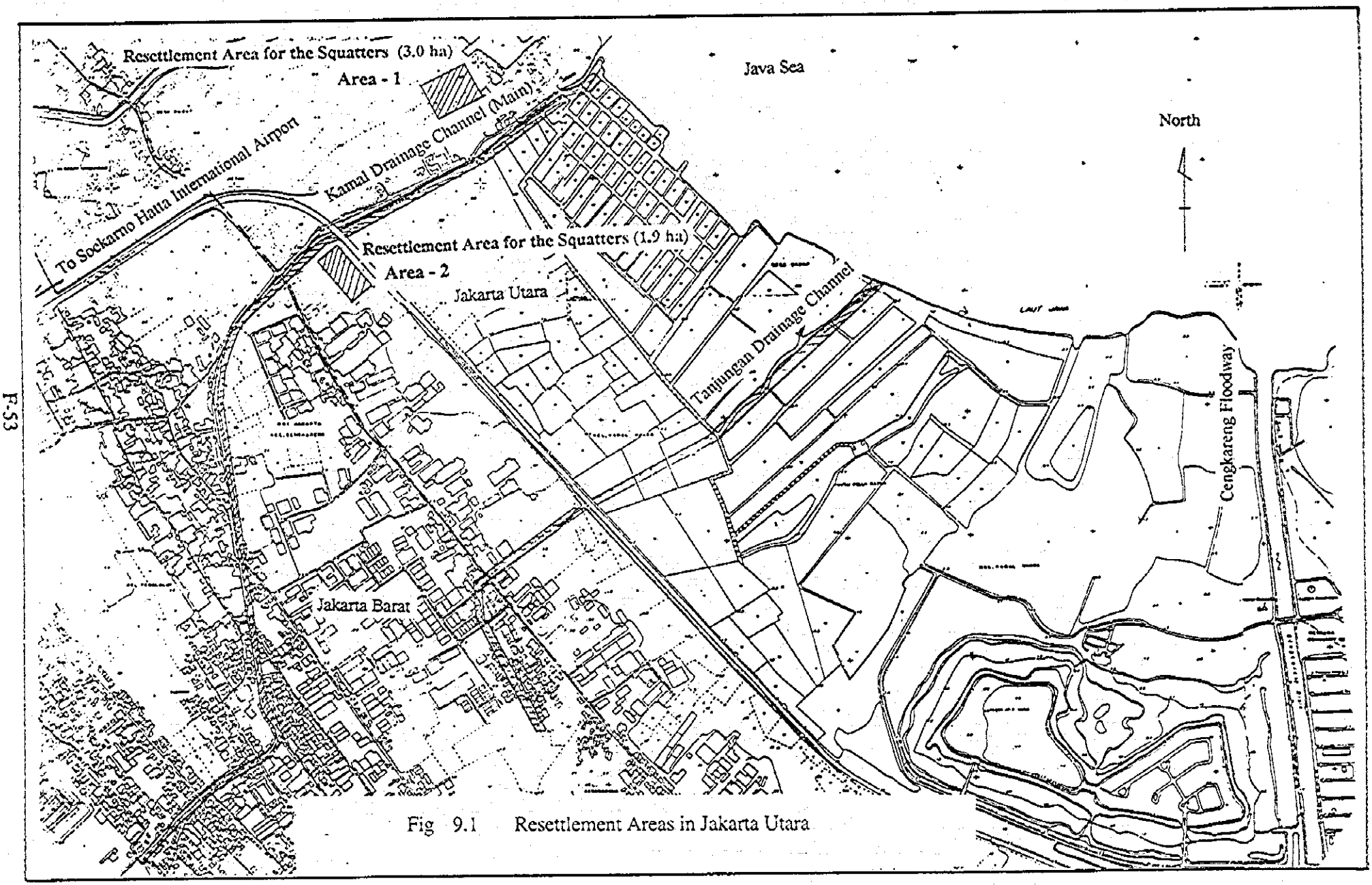


Fig 9.1 Resettlement Areas in Jakarta Utara

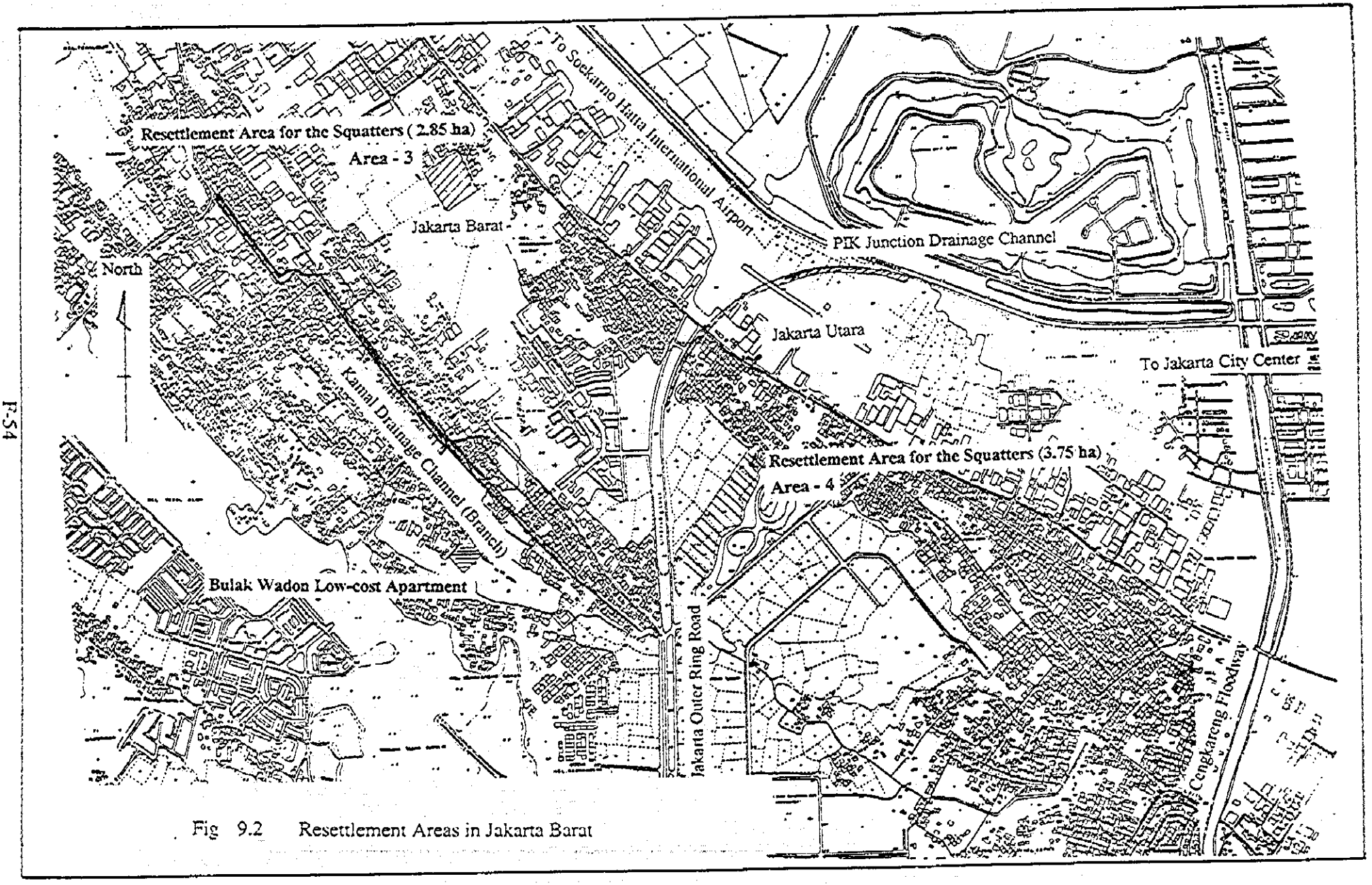


Fig 9.2 Resettlement Areas in Jakarta Barat

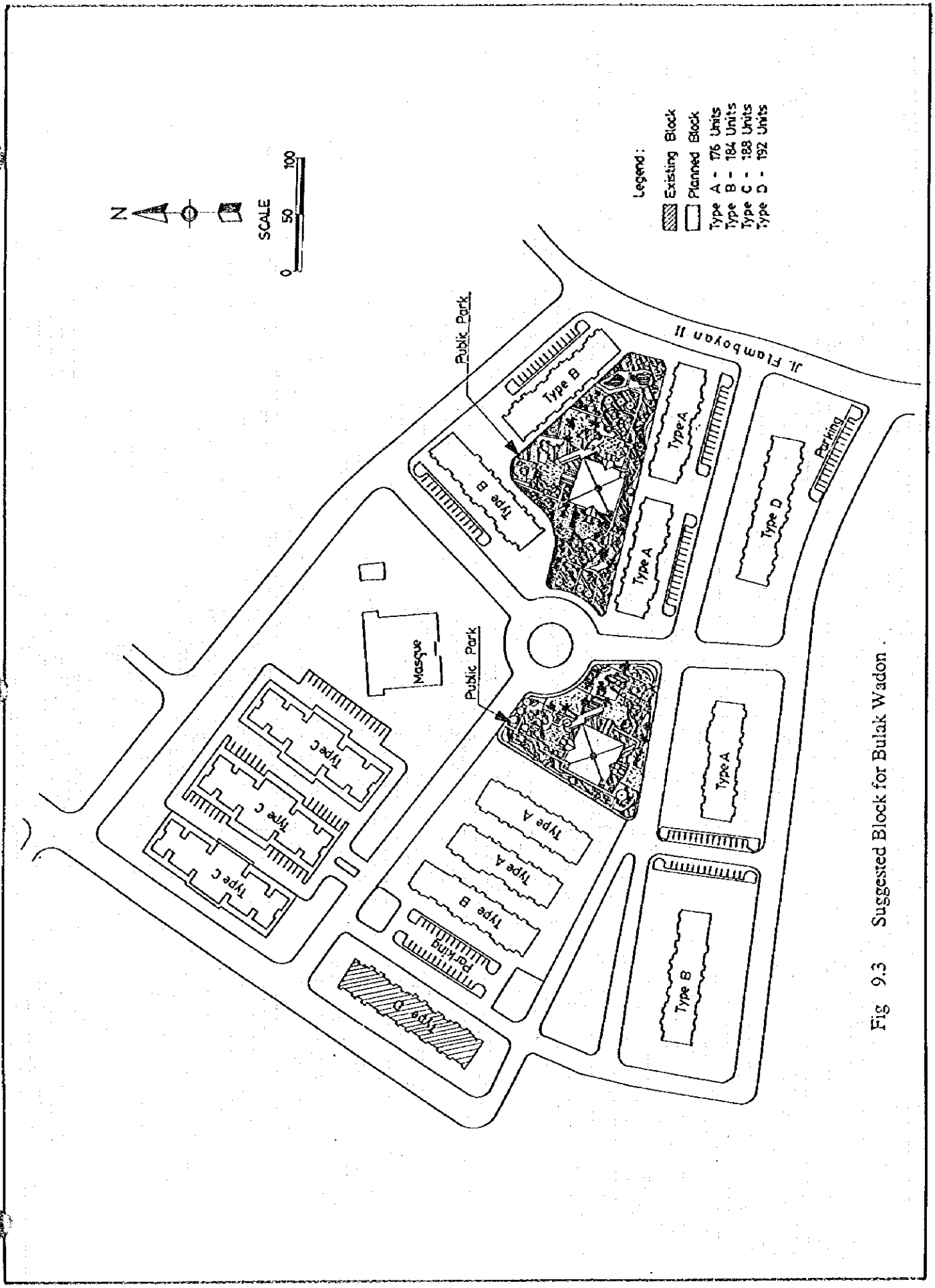


Fig 9.3 Suggested Block for Bulak Wadon .

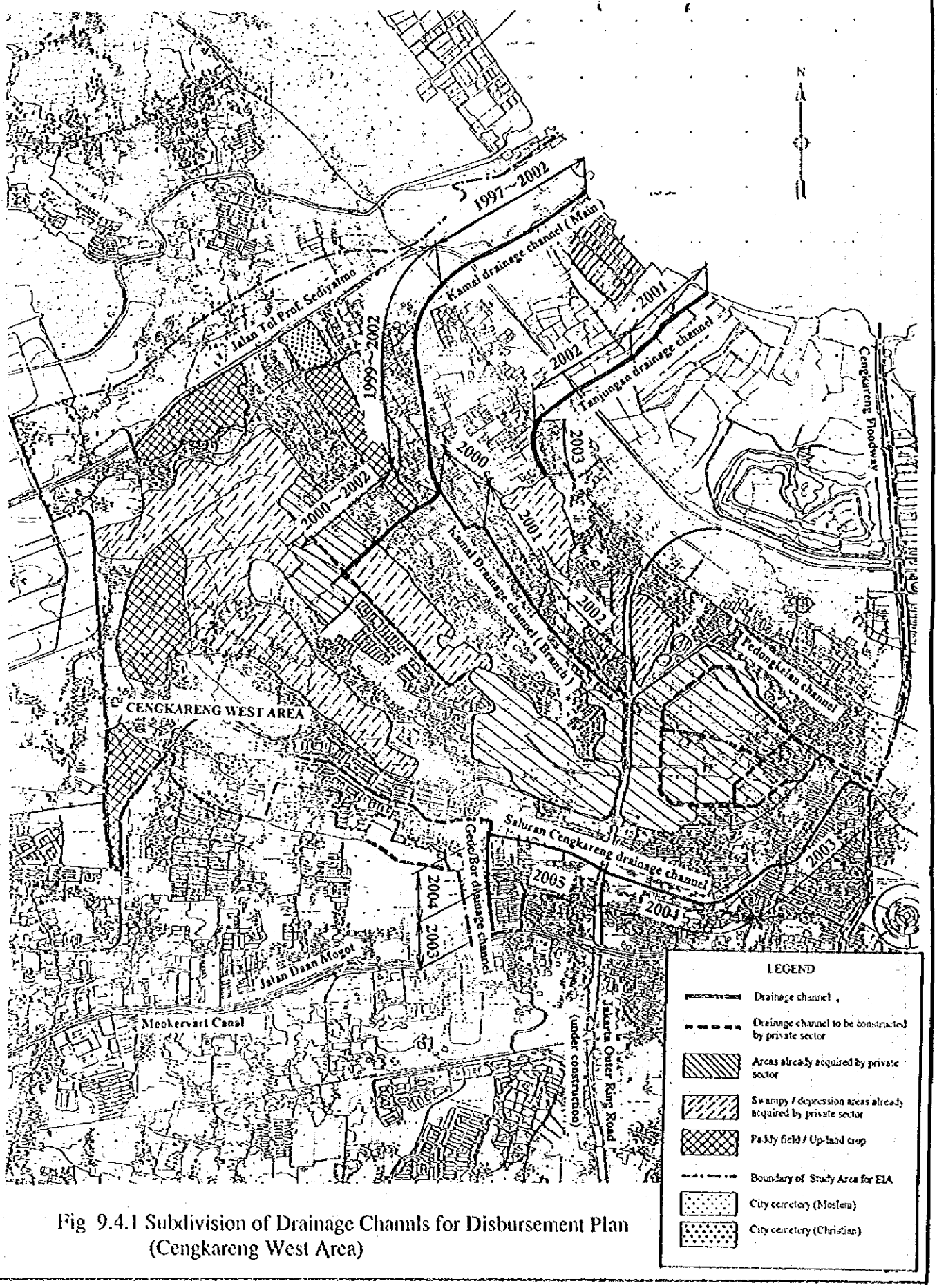


Fig 9.4.1 Subdivision of Drainage Channls for Disbursement Plan (Cengkareng West Area)

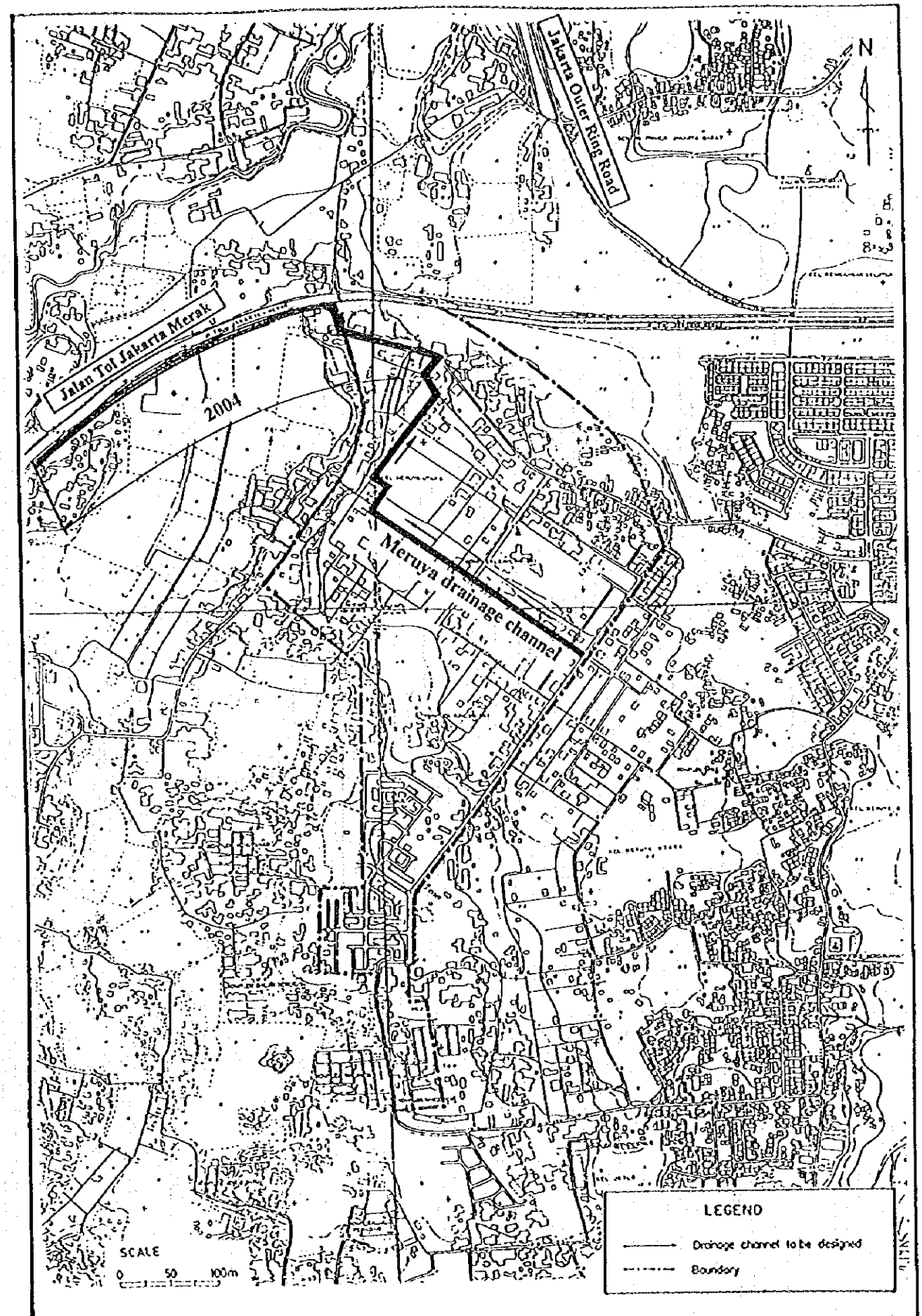


Fig 9.4.2 Subdivision of Drainage Channels for Disbursement Plan (Meruya Area)

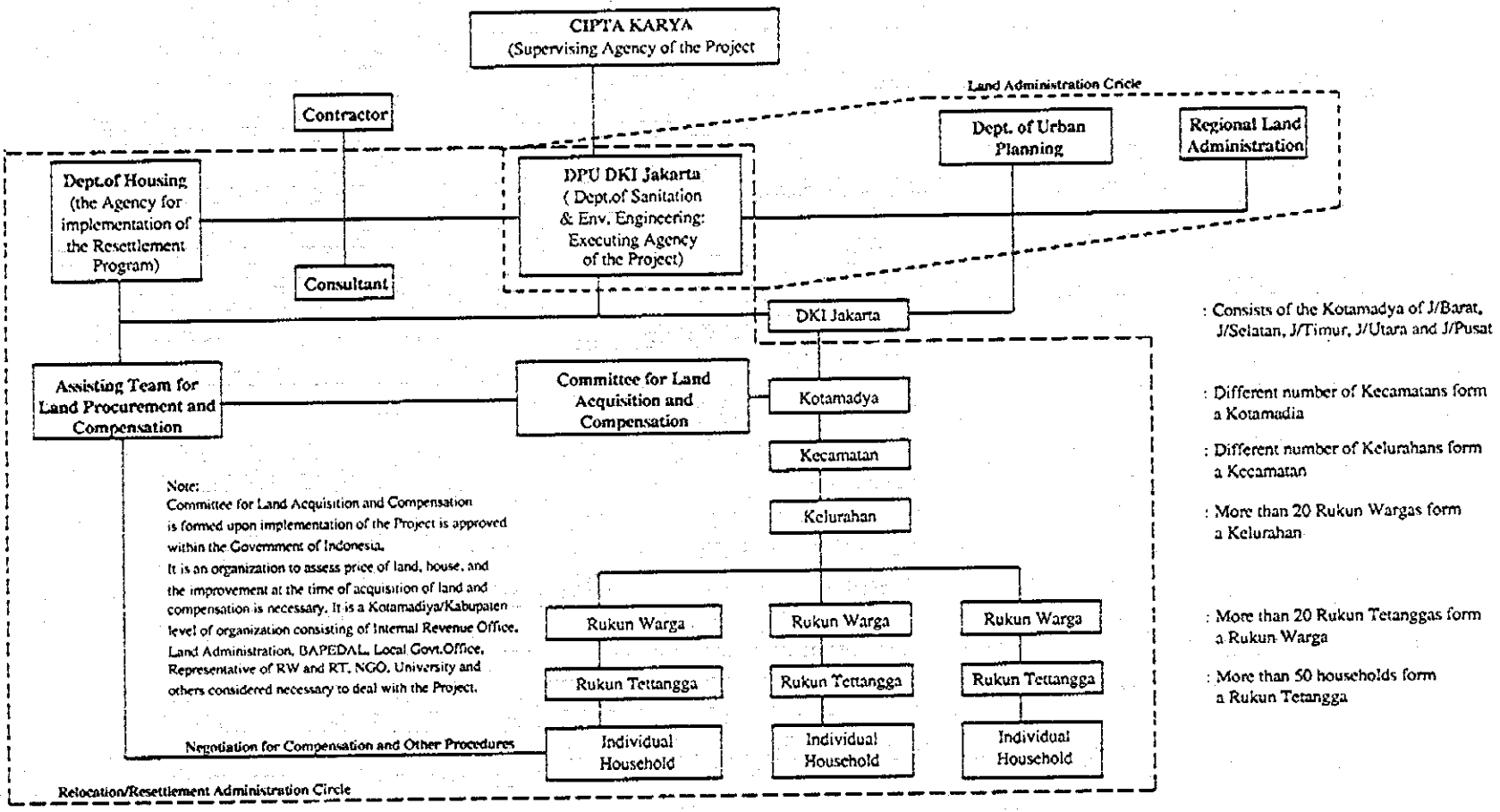


Fig 9.5 Local Government Administration Concerned with Relocation Operation

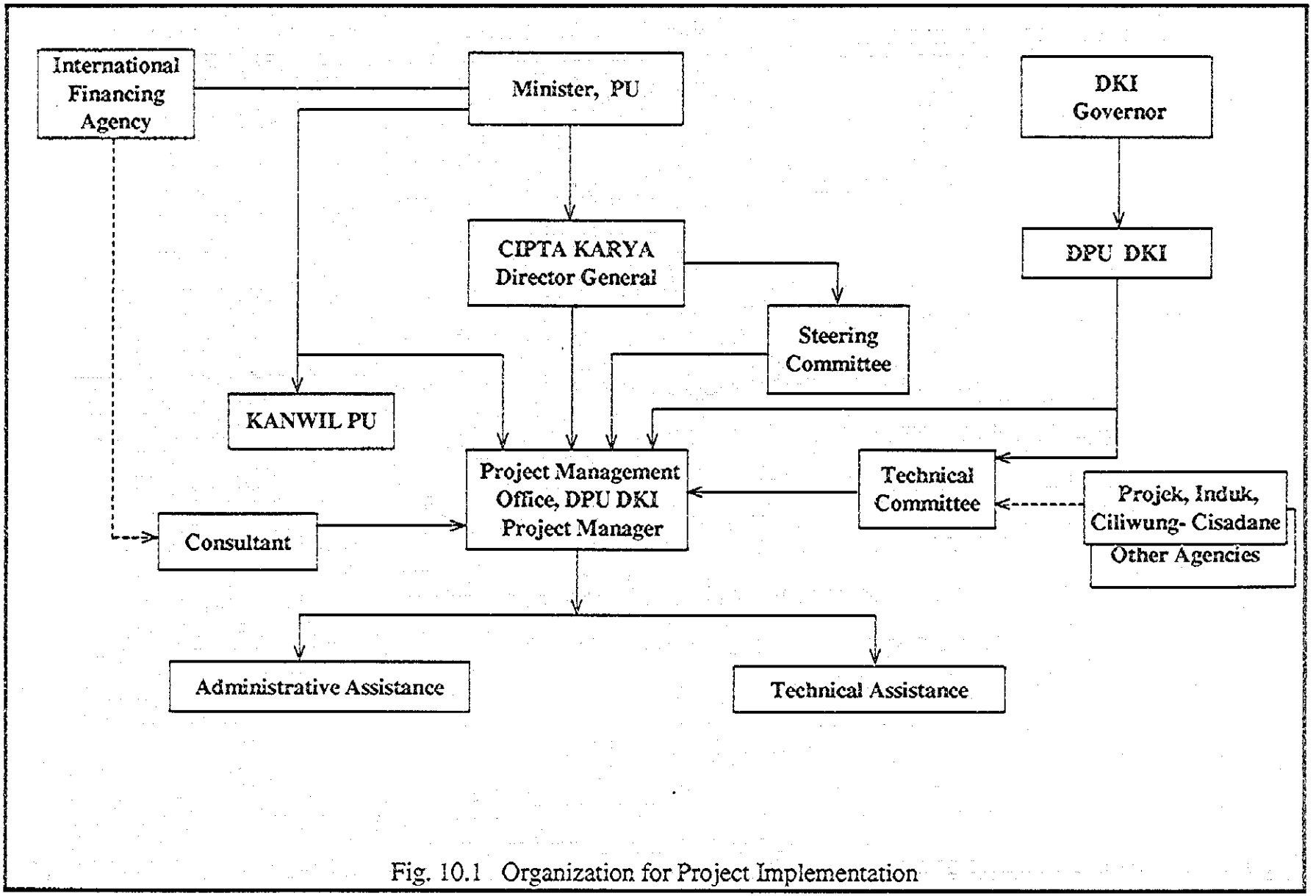


Fig. 10.1 Organization for Project Implementation

Fig. 10.2 Overall Implementation Schedule