

Figure 2.1 ALIGNMENT OF WESTERN AND EASTERN BANJIR CANALS

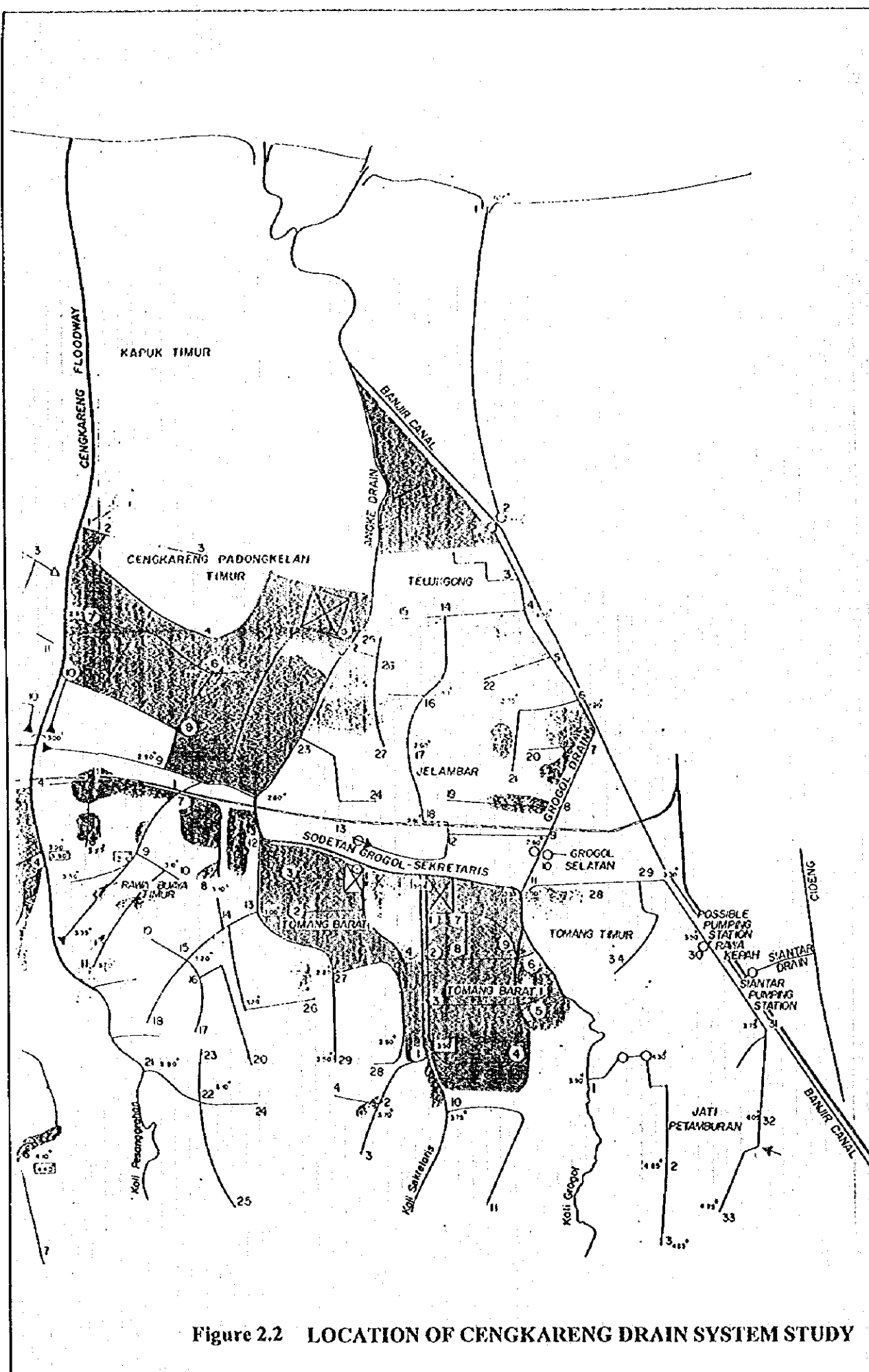
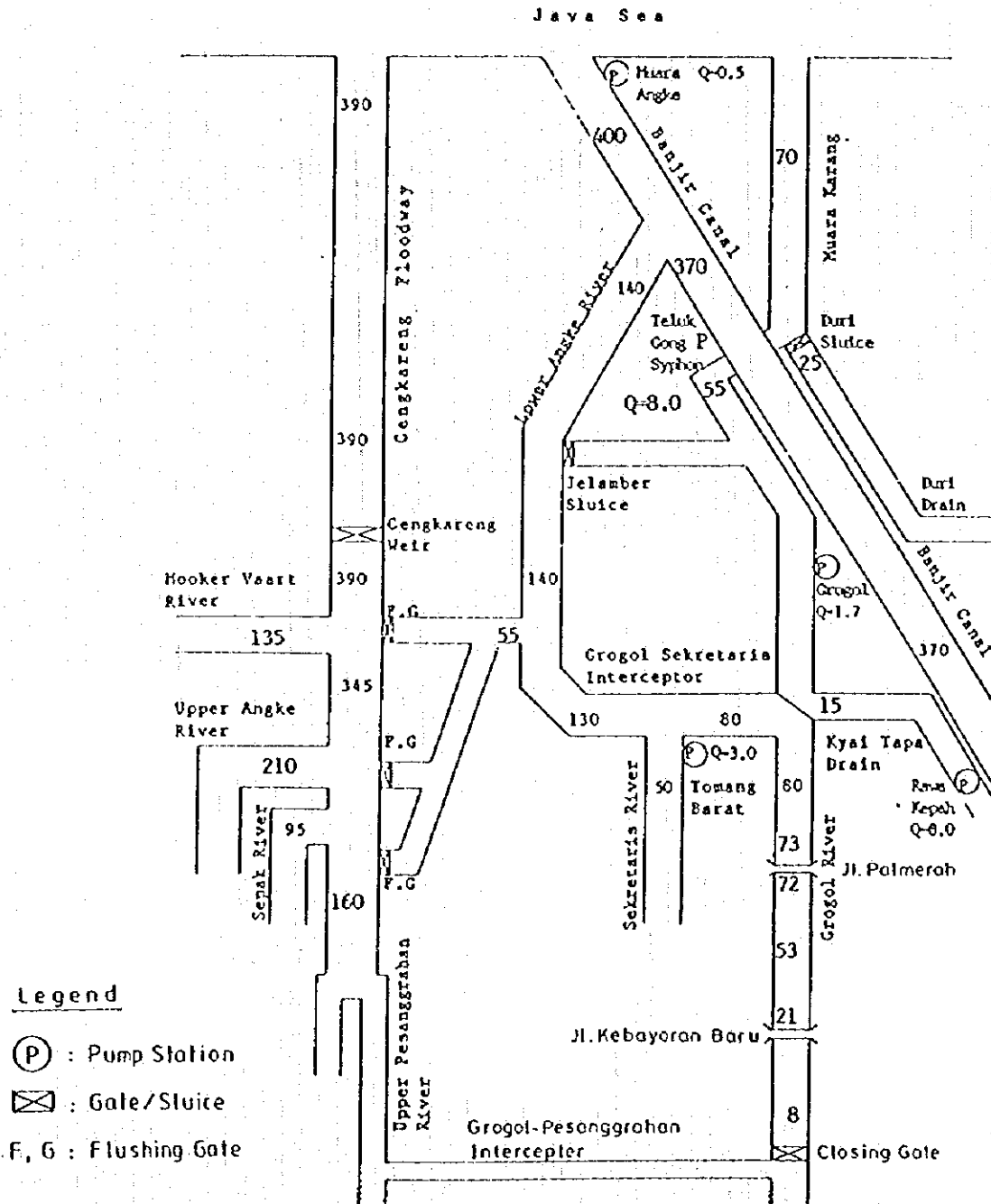


Figure 2.2 LOCATION OF CENGKARENG DRAIN SYSTEM STUDY

(Unit : m³/s)



Note : For Banjir canal, Cengkareng floodway, upper Angke, upper Pesanggrahan rivers, 100-yr discharges are adopted. The 25-yr discharges are adopted for other rivers.

Figure 2.3
DESIGN DISCHARGE DISTRIBUTION OF CENGKARENG DRAIN SYSTEM

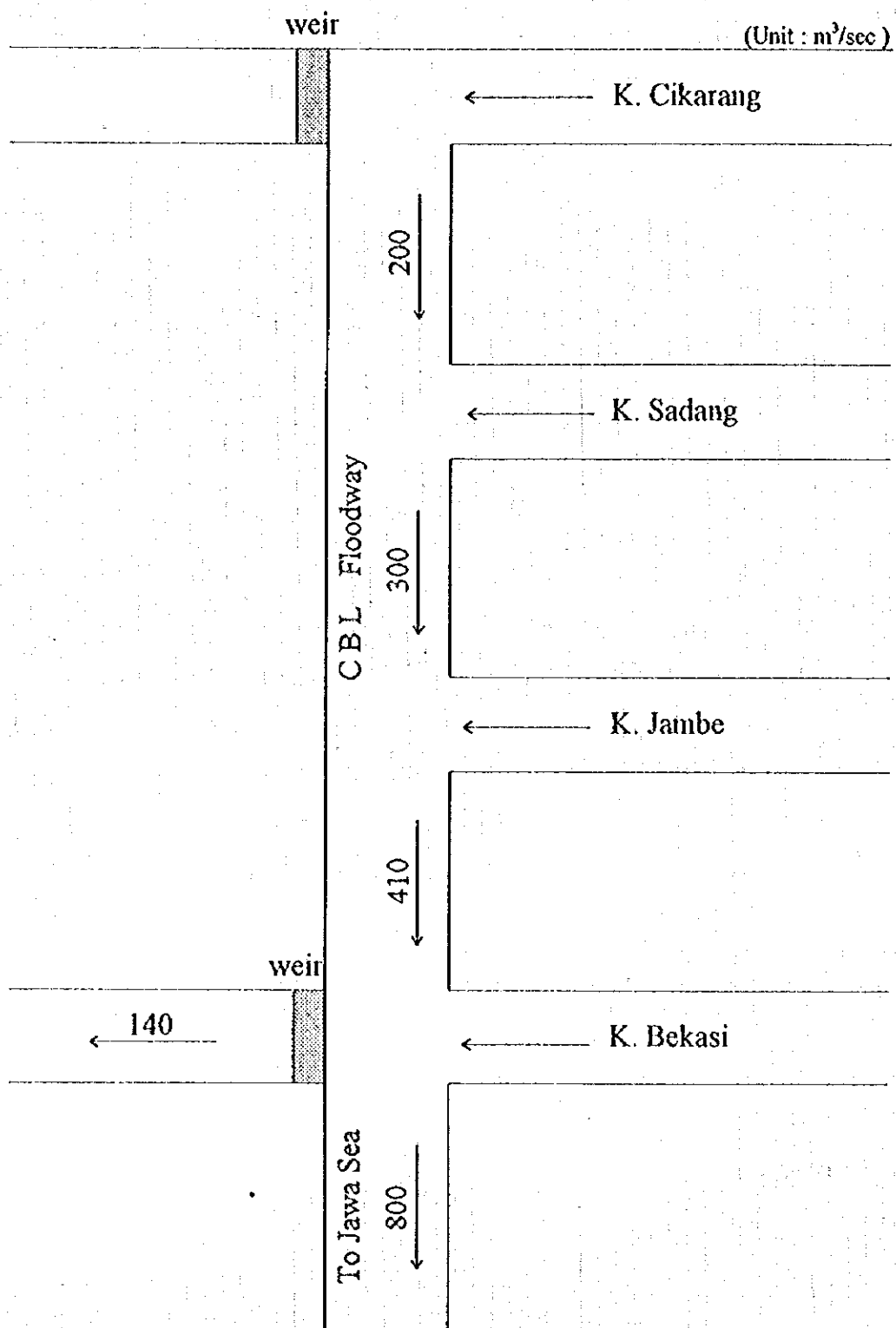
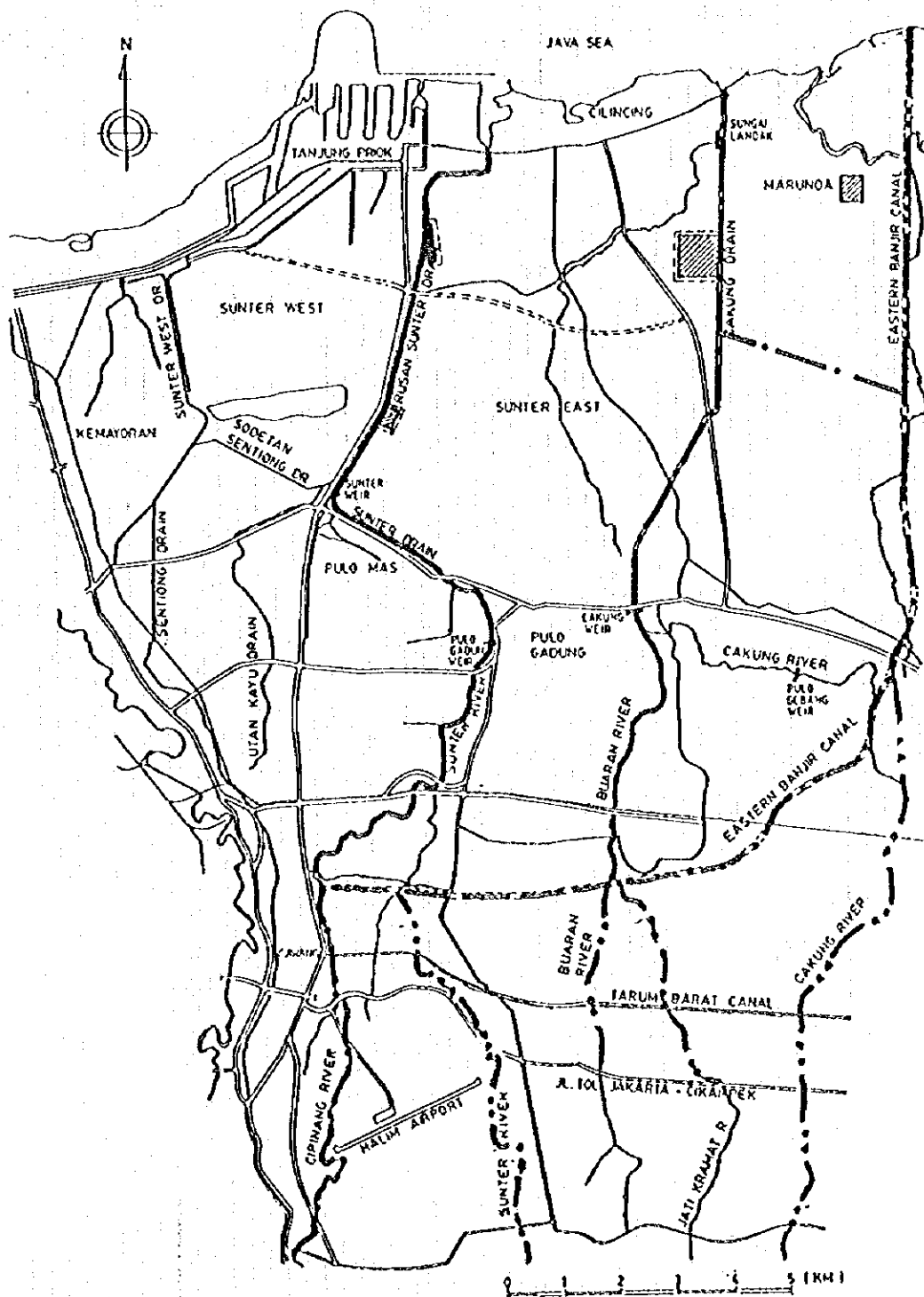


Figure 2.4 DESIGN DISCHARGE DISTRIBUTION OF CBL FLOODWAY



Stage Construction

- | | | | |
|---|-------------|---|------------|
|  | : Stage I |  | : Stage II |
|  | : Stage III |  | : Stage IV |

Figure 2.5 LOCATION MAP OF EAST JAKARTA FLOOD CONTROL PROJECT

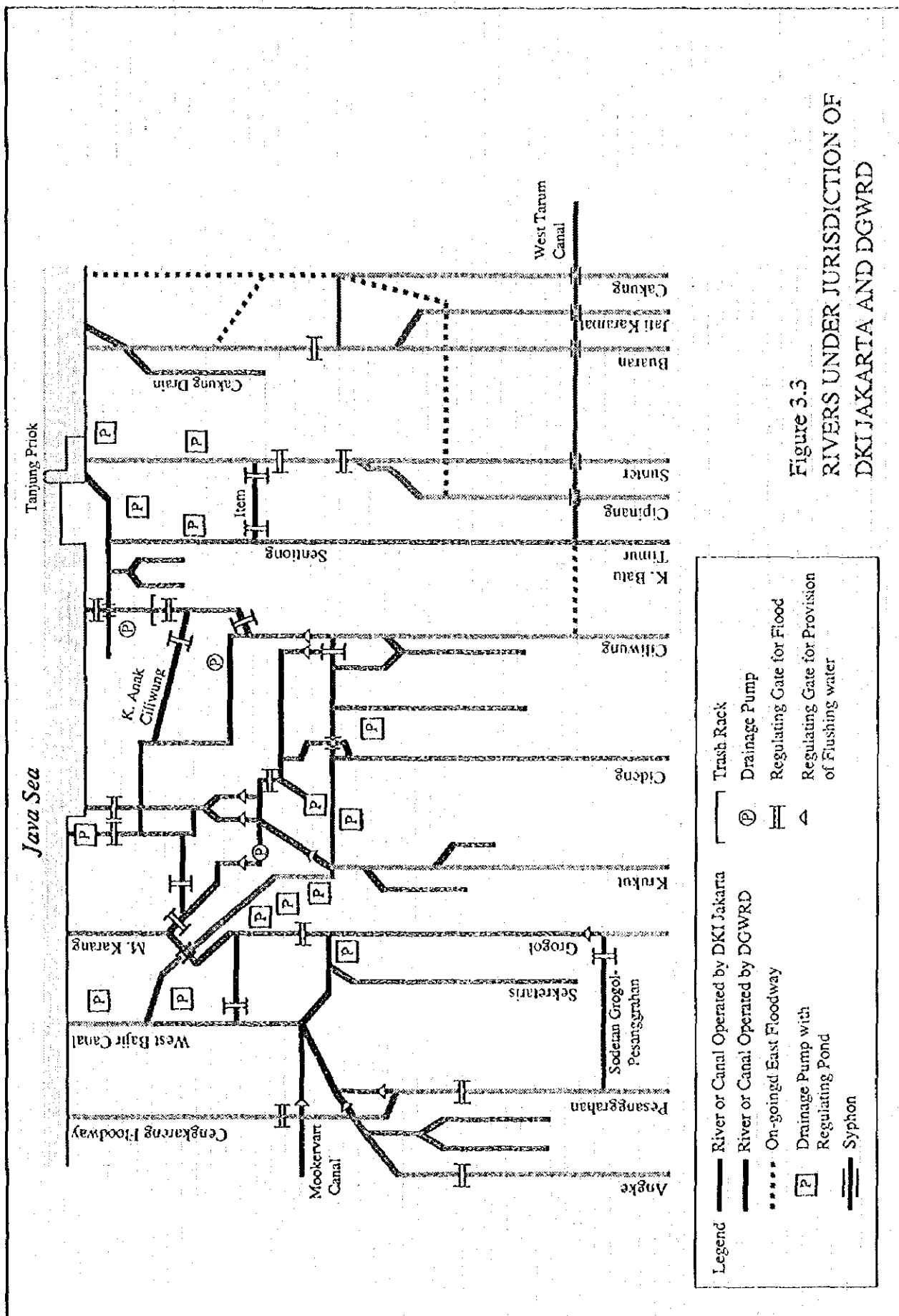


Figure 3.3
RIVERS UNDER JURISDICTION OF
DKI JAKARTA AND DGWRD

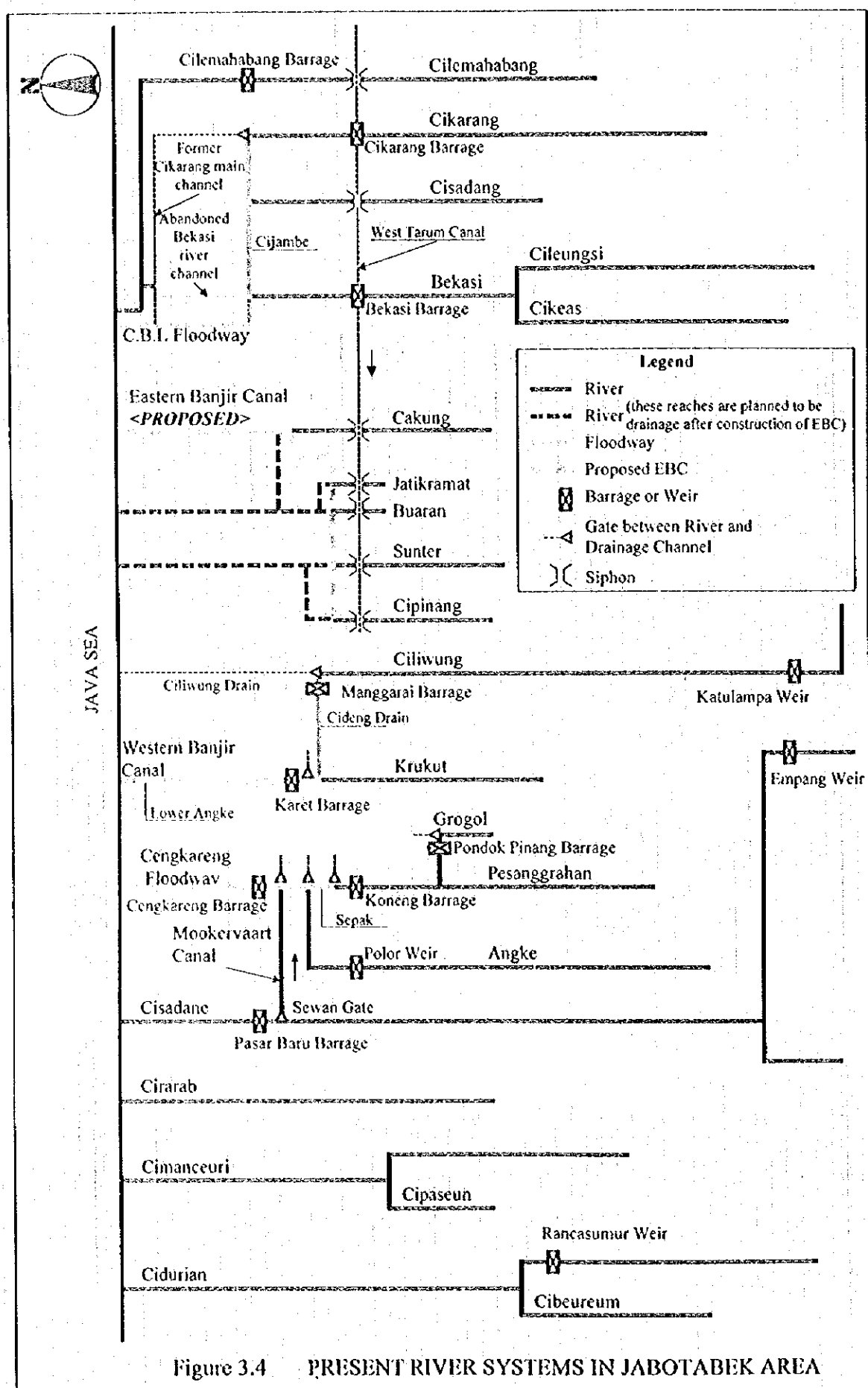


Figure 3.4 PRESENT RIVER SYSTEMS IN JABOTABEK AREA

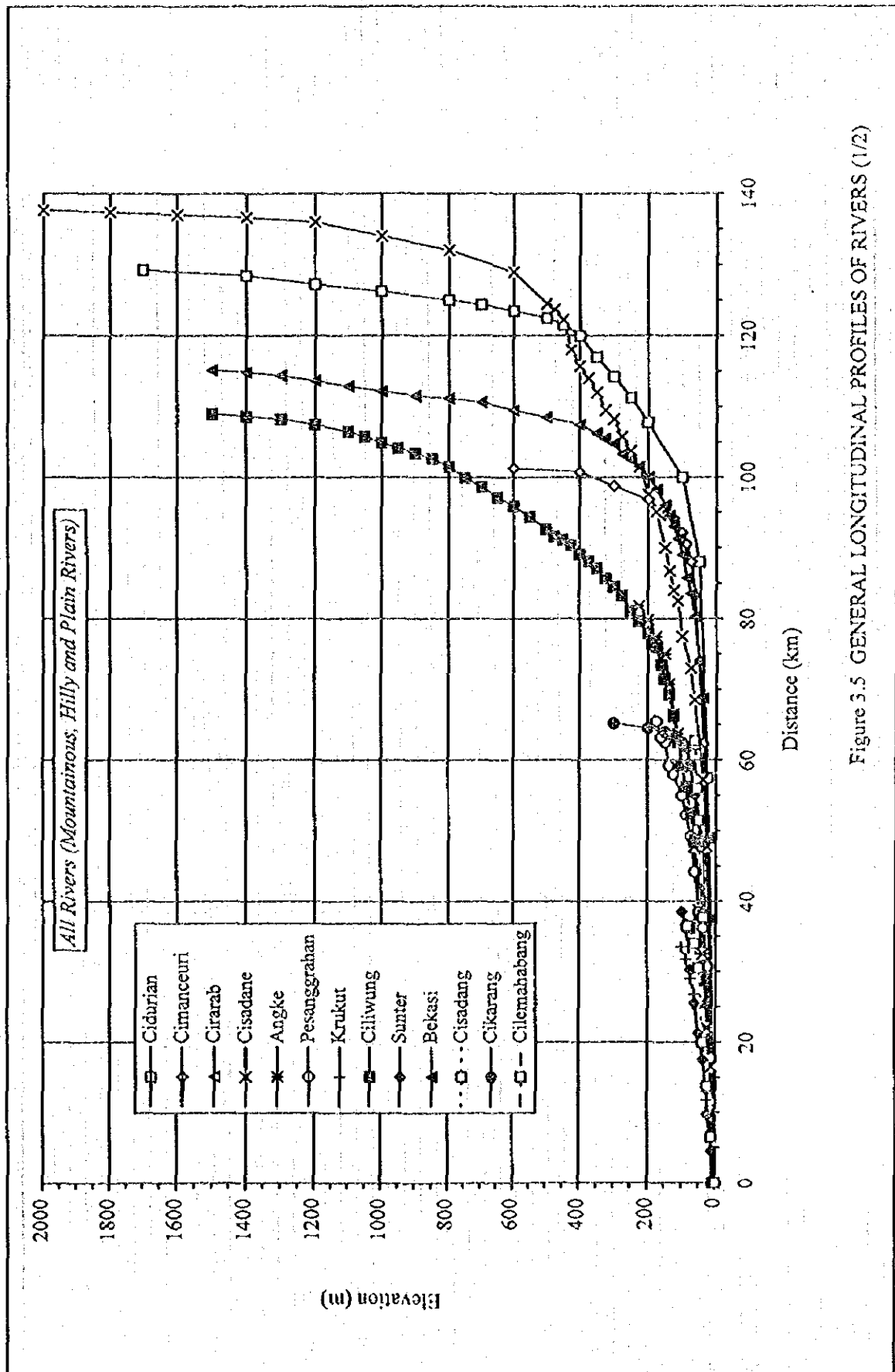


Figure 3.5 GENERAL LONGITUDINAL PROFILES OF RIVERS (1/2)

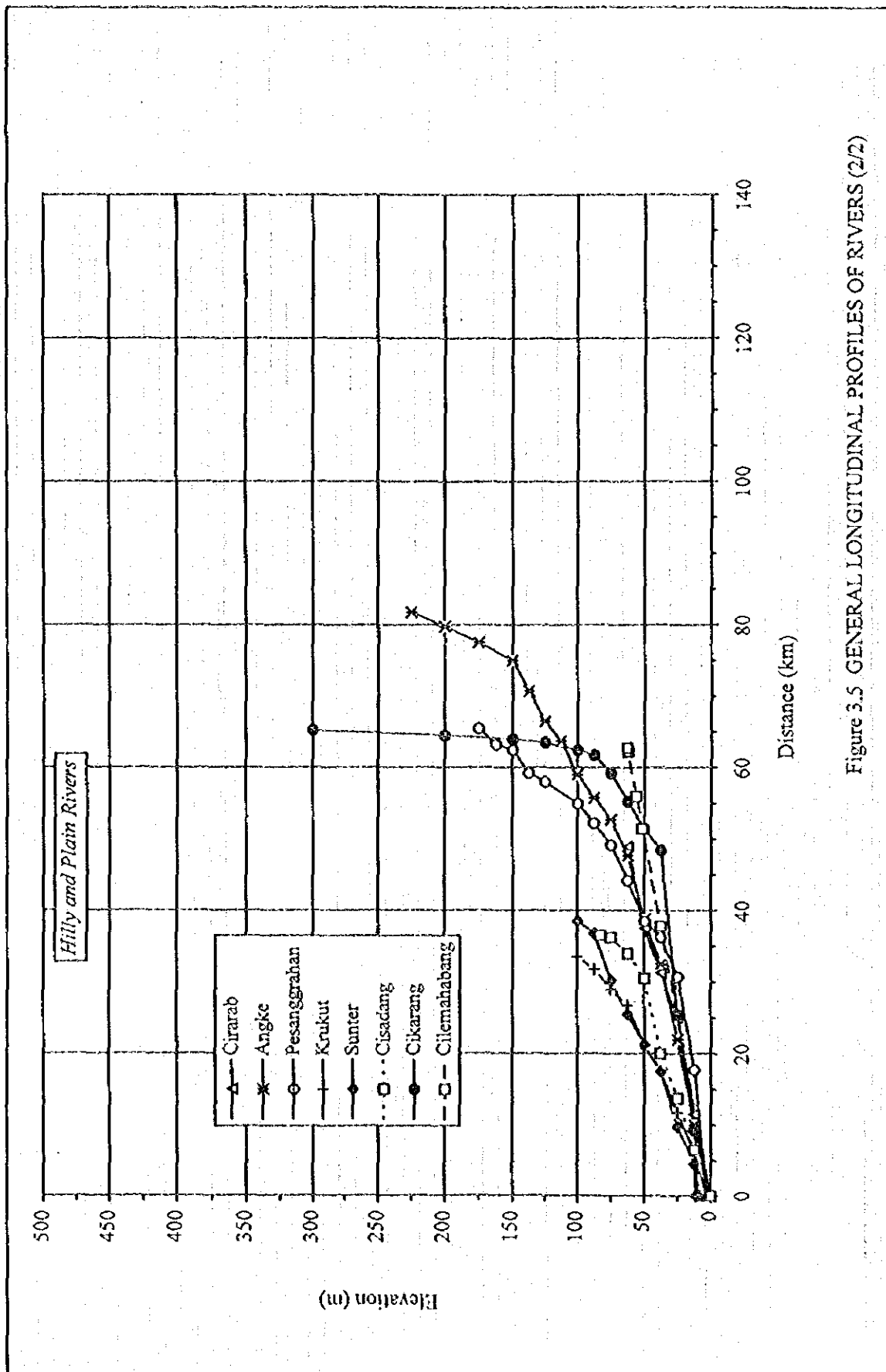
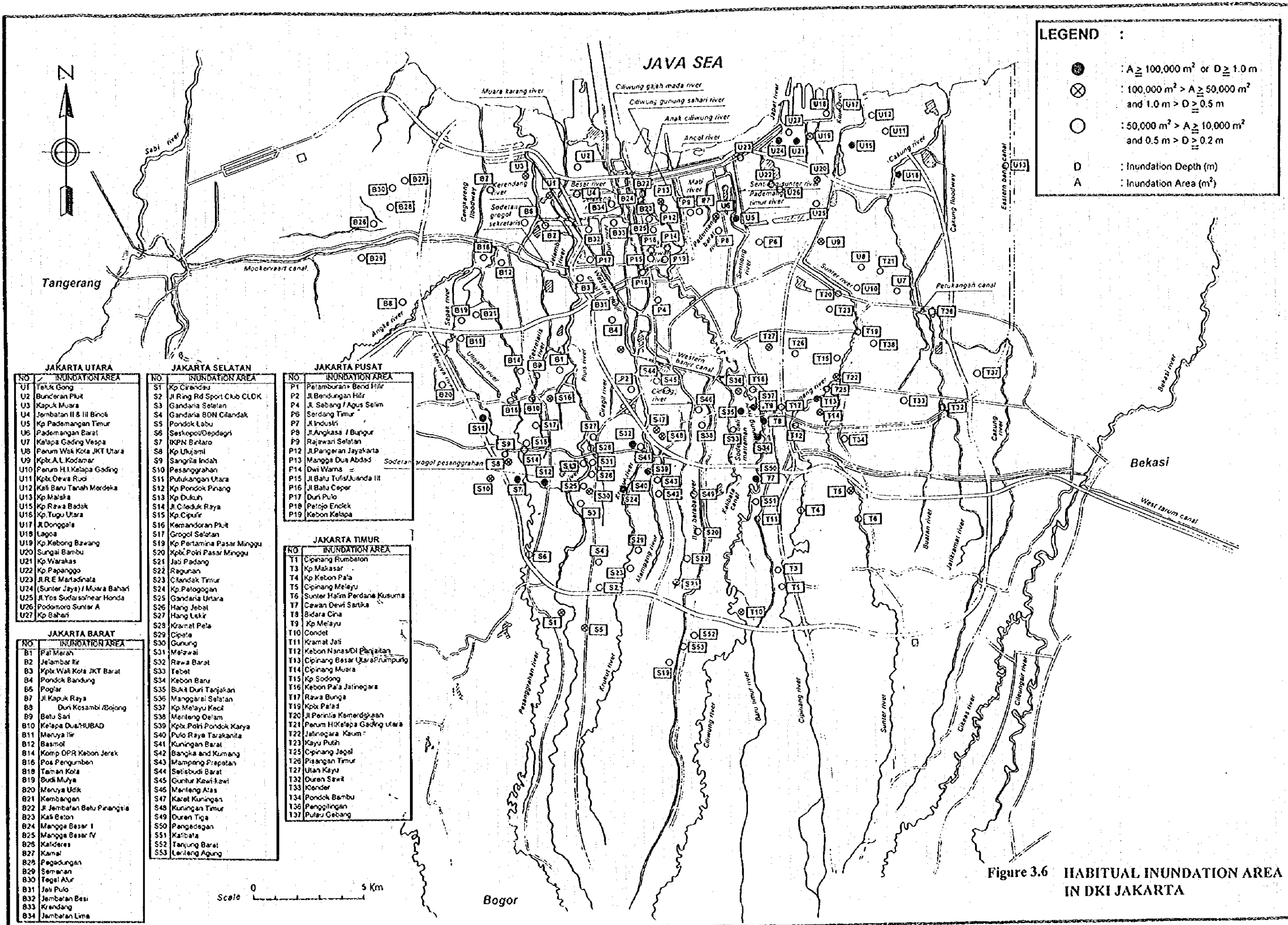
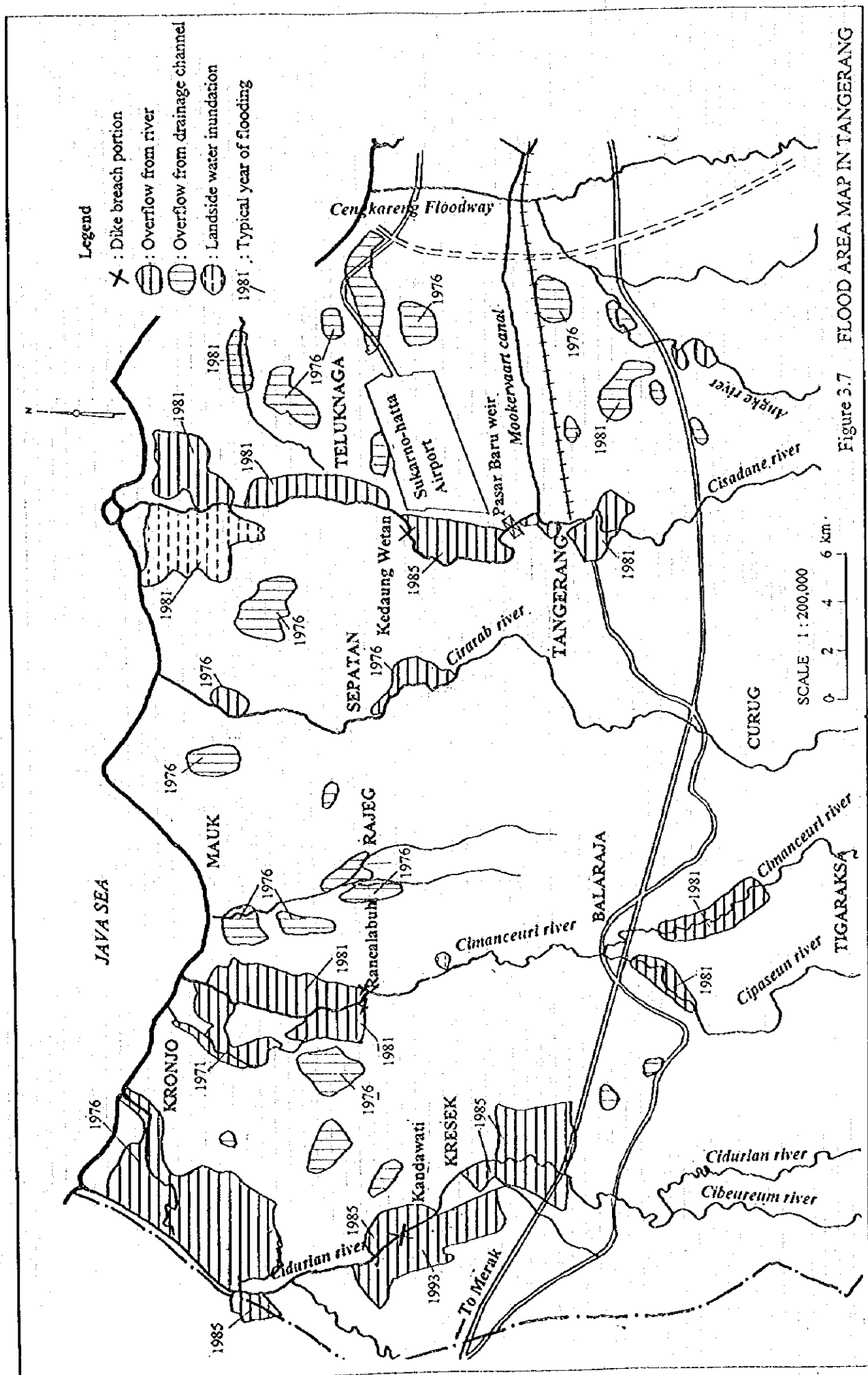


Figure 3.5 GENERAL LONGITUDINAL PROFILES OF RIVERS (2/2)





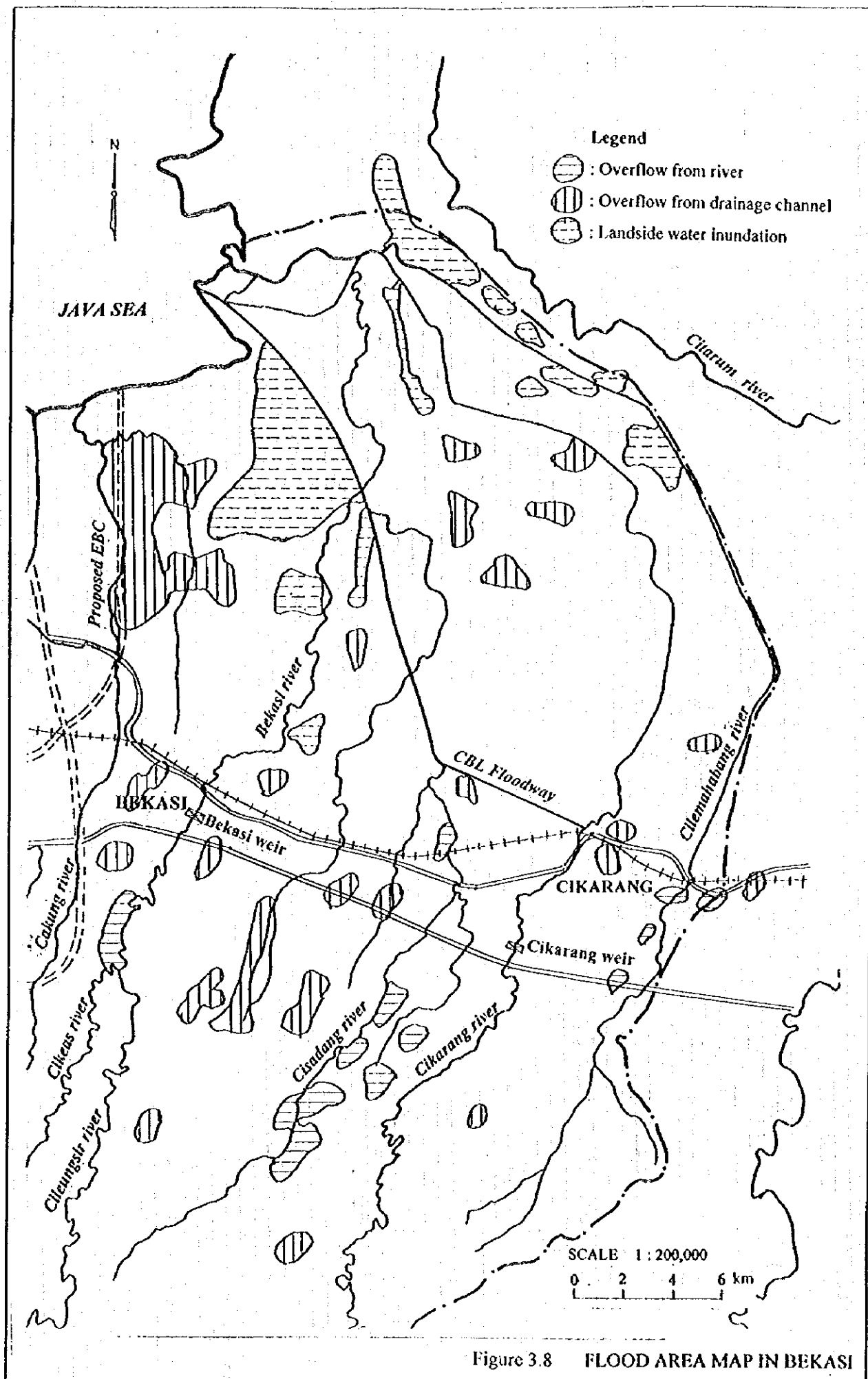
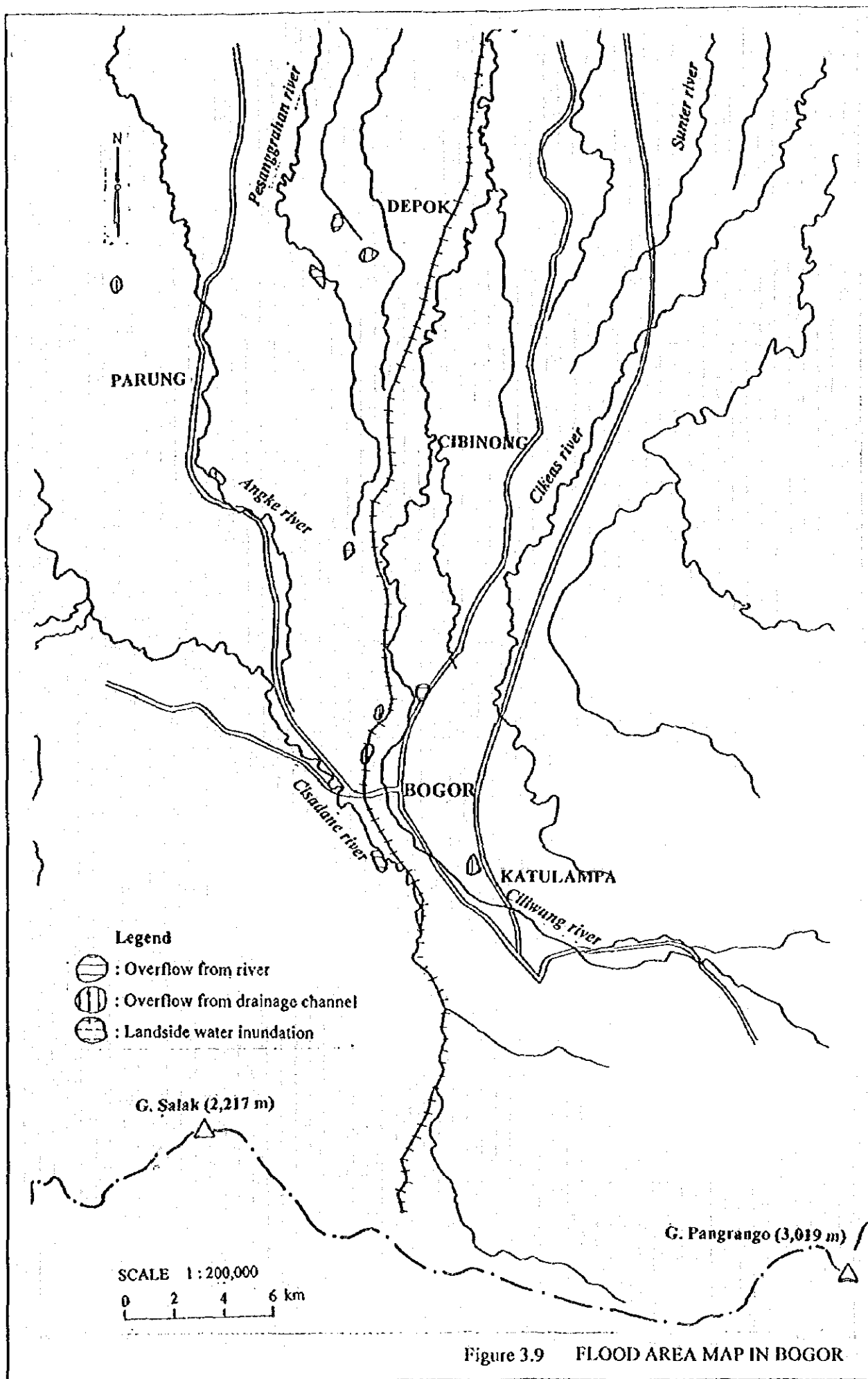


Figure 3.8 FLOOD AREA MAP IN BEKASI



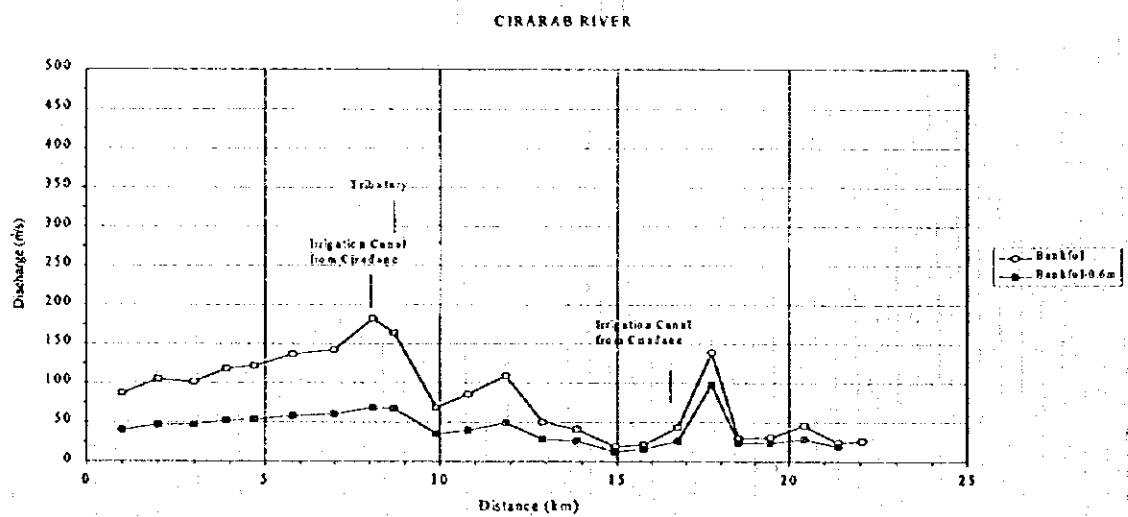
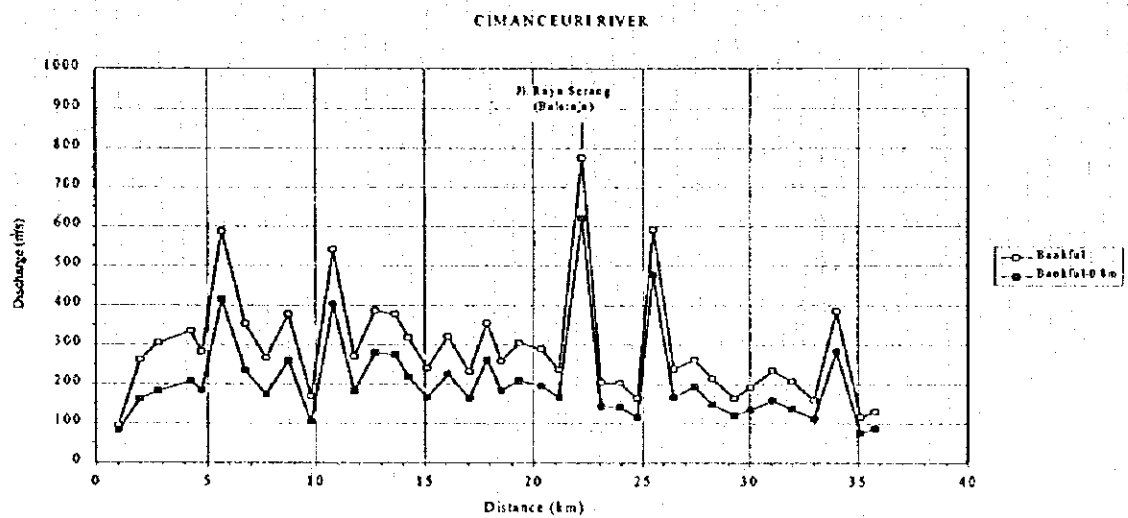
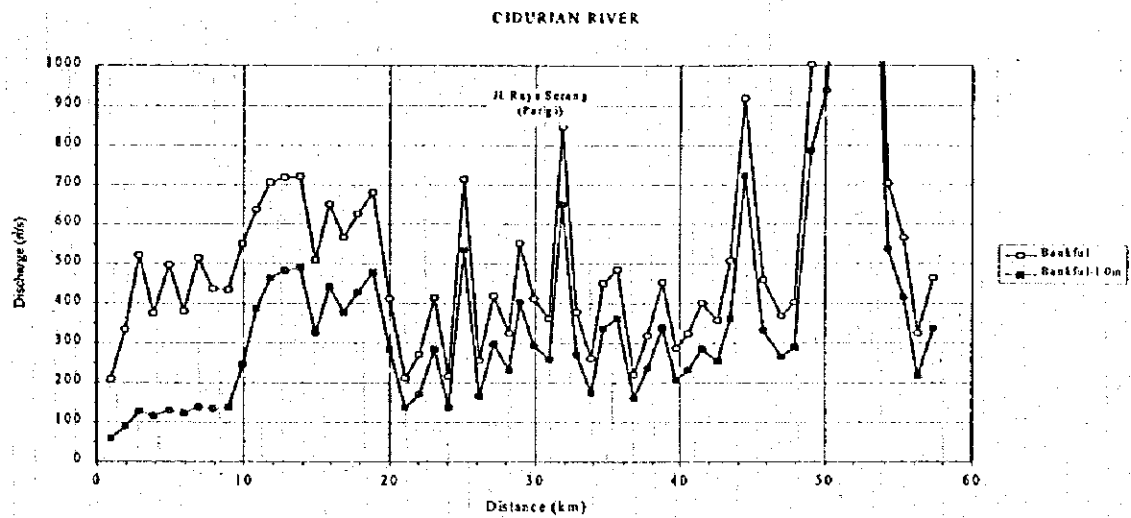


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (1/6)

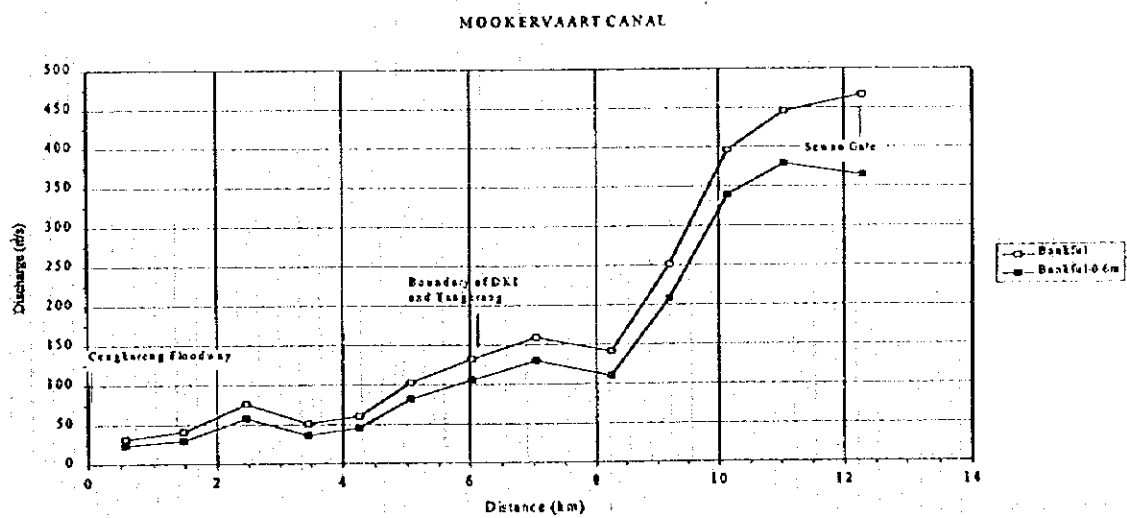
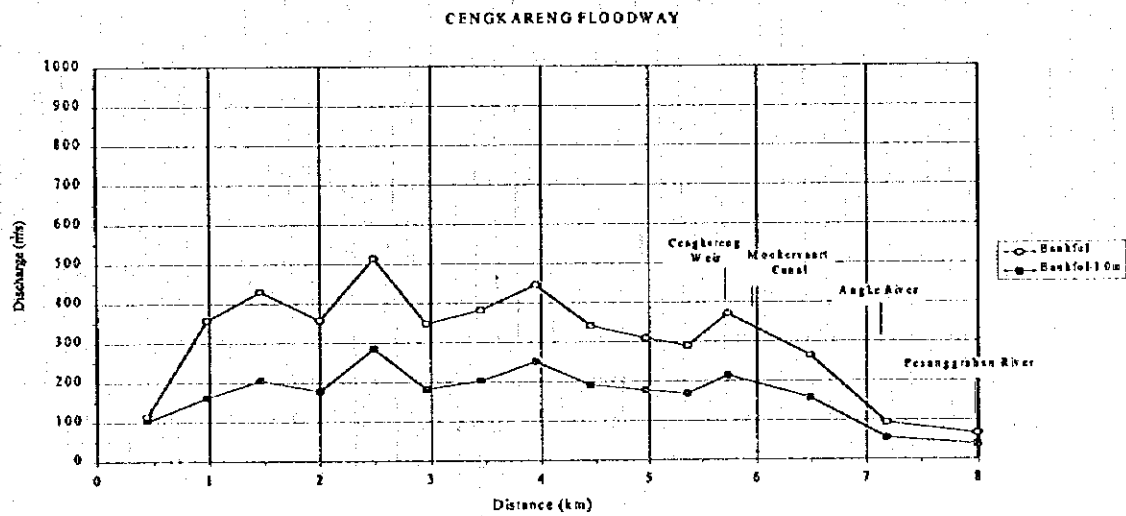
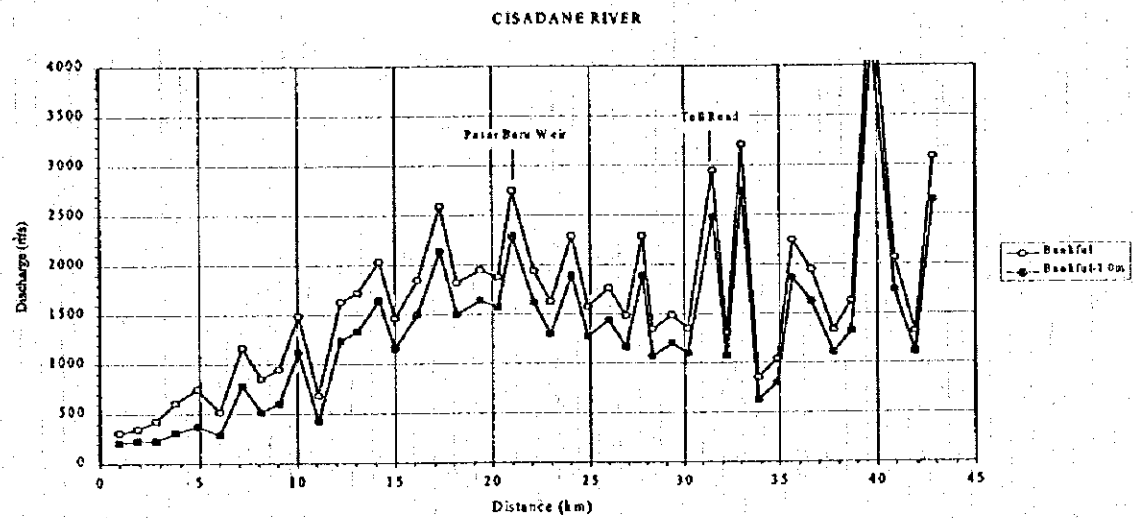


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (2/6)

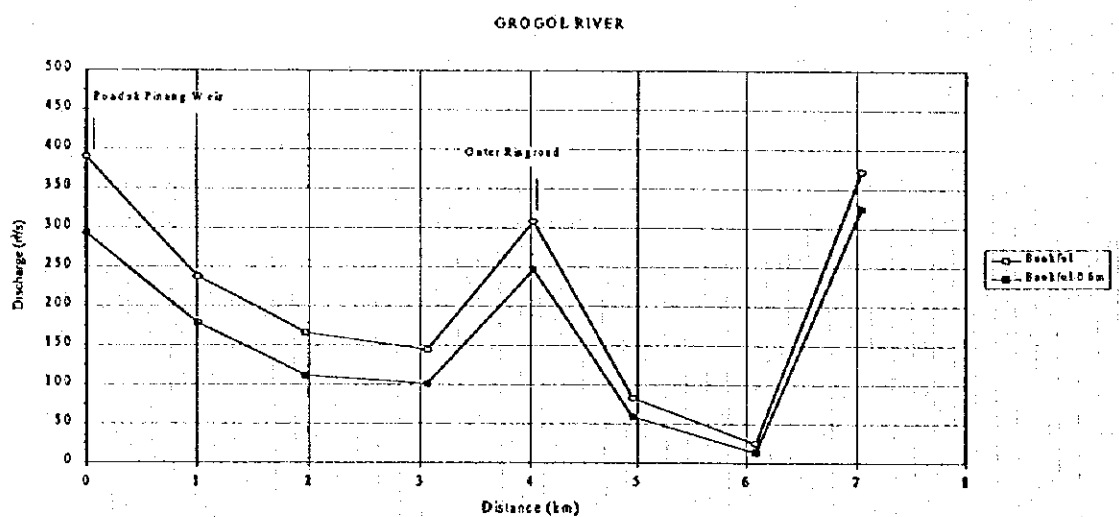
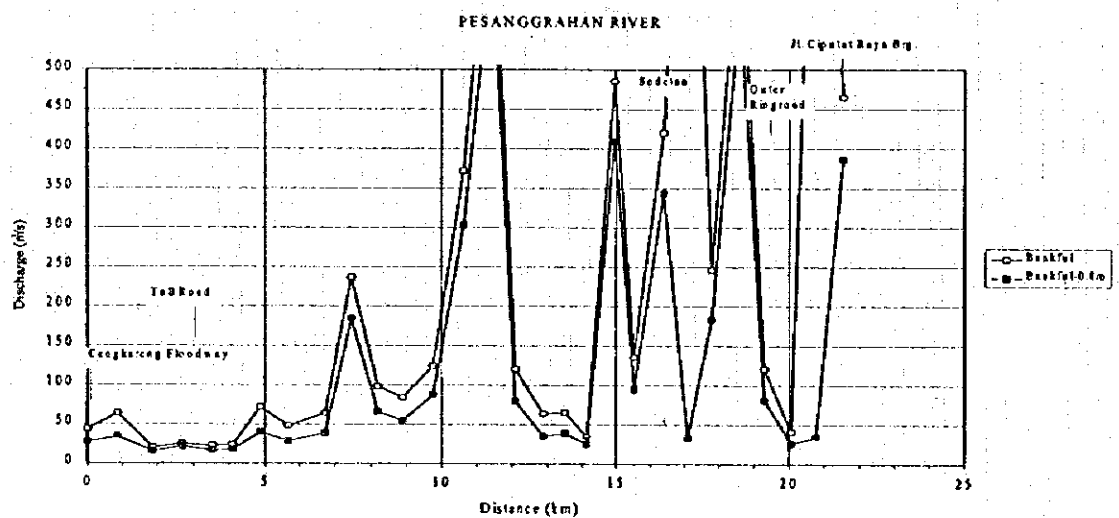
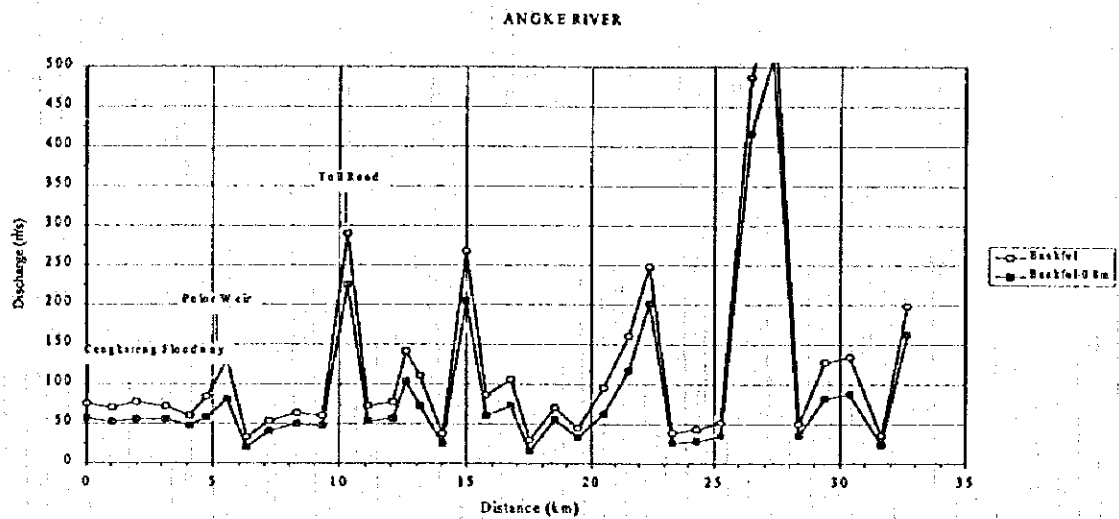


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (3/6)

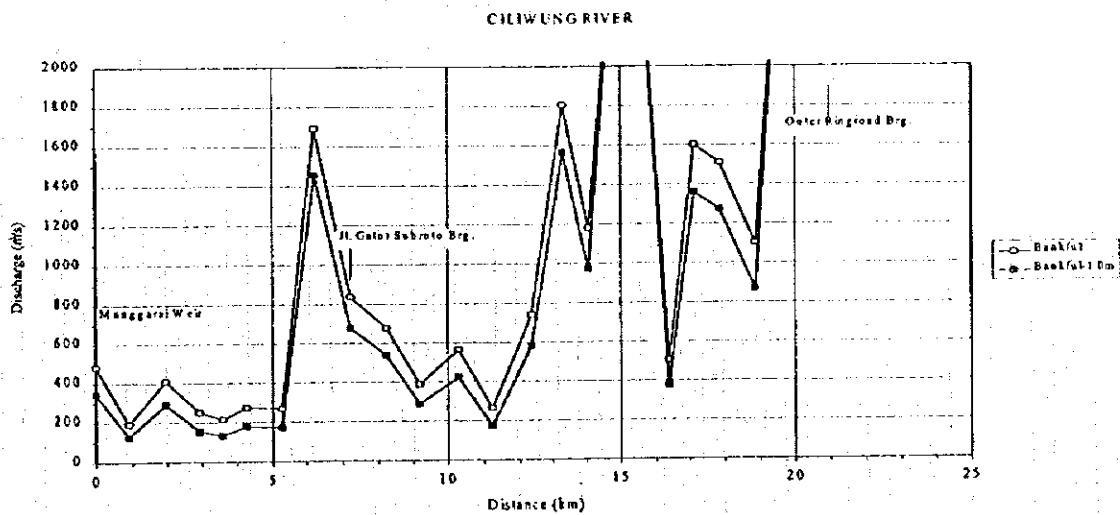
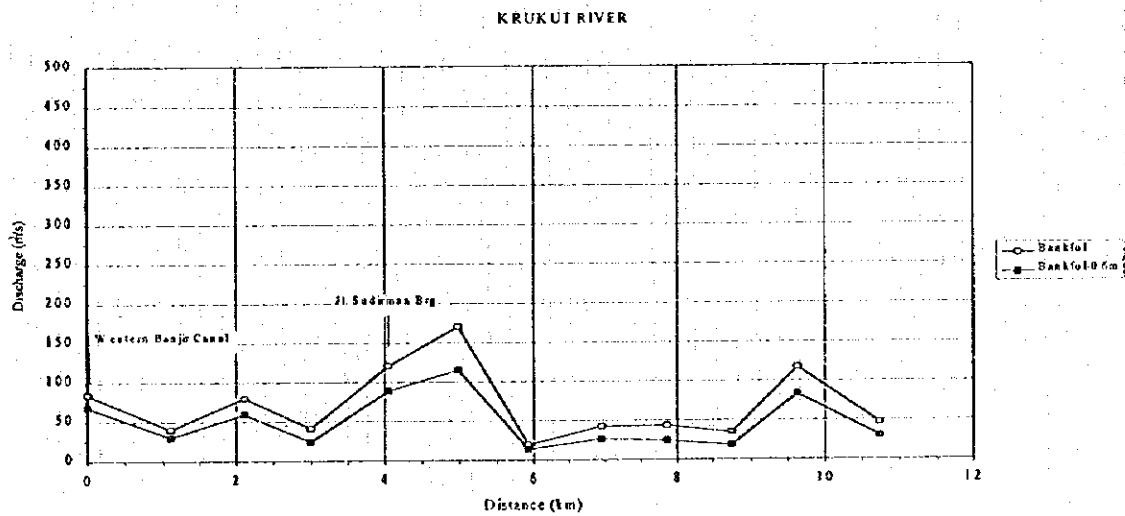
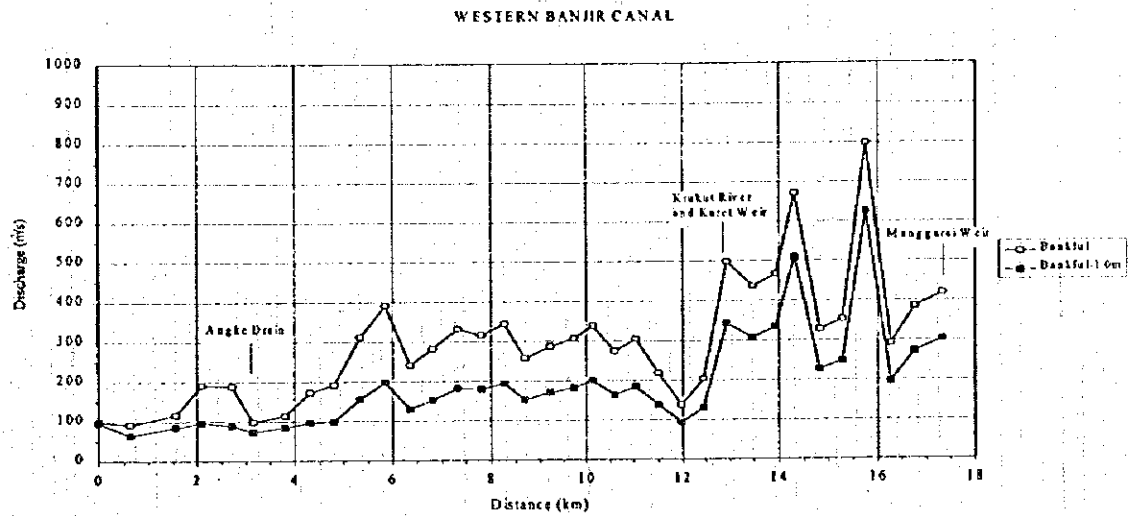


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (4/6)

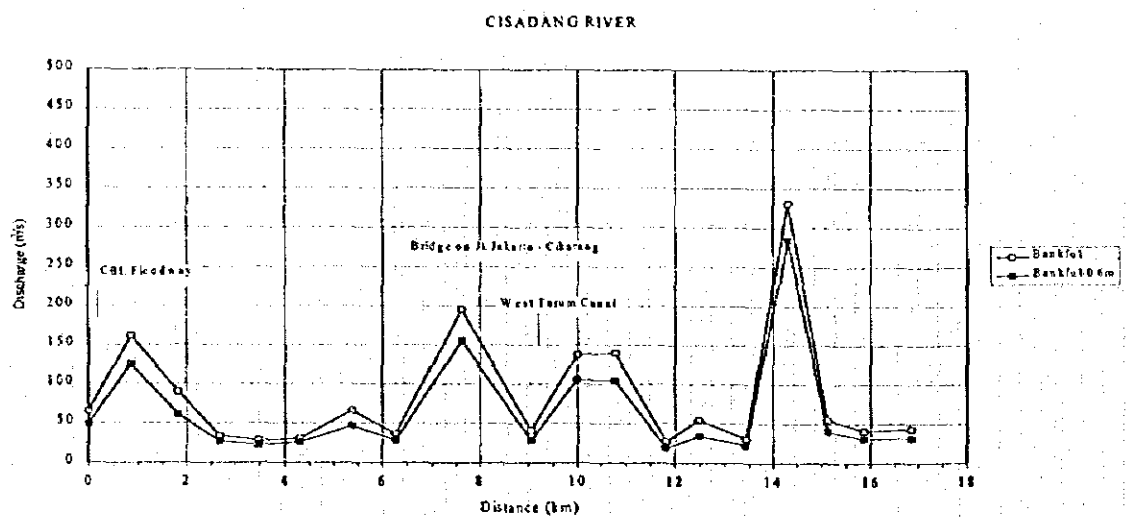
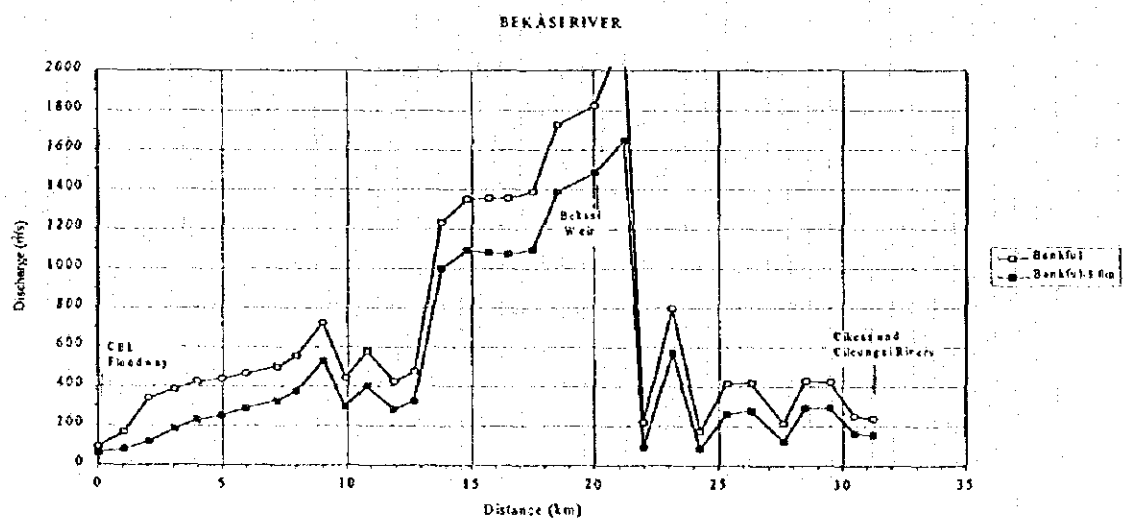
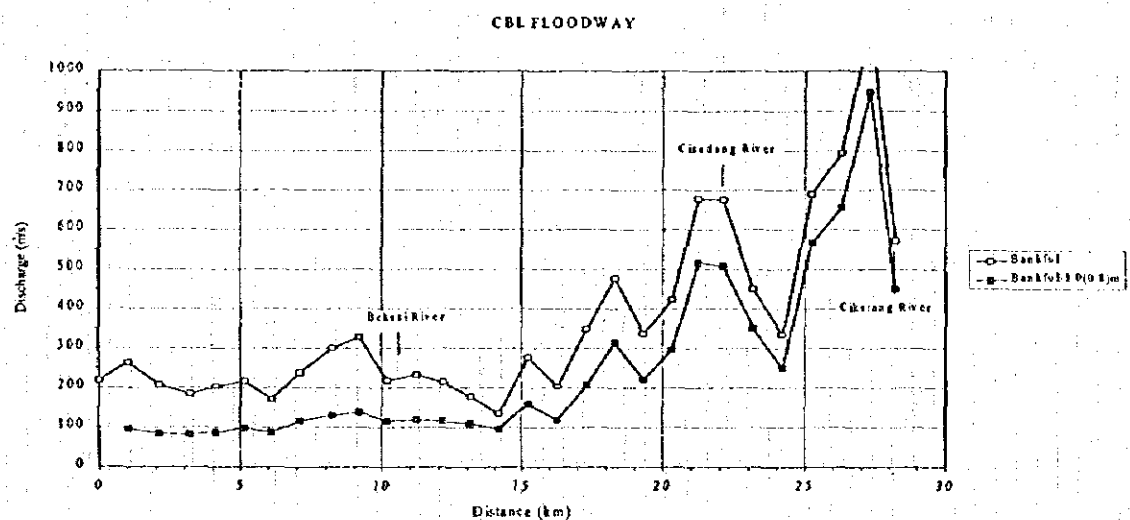


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (5/6)

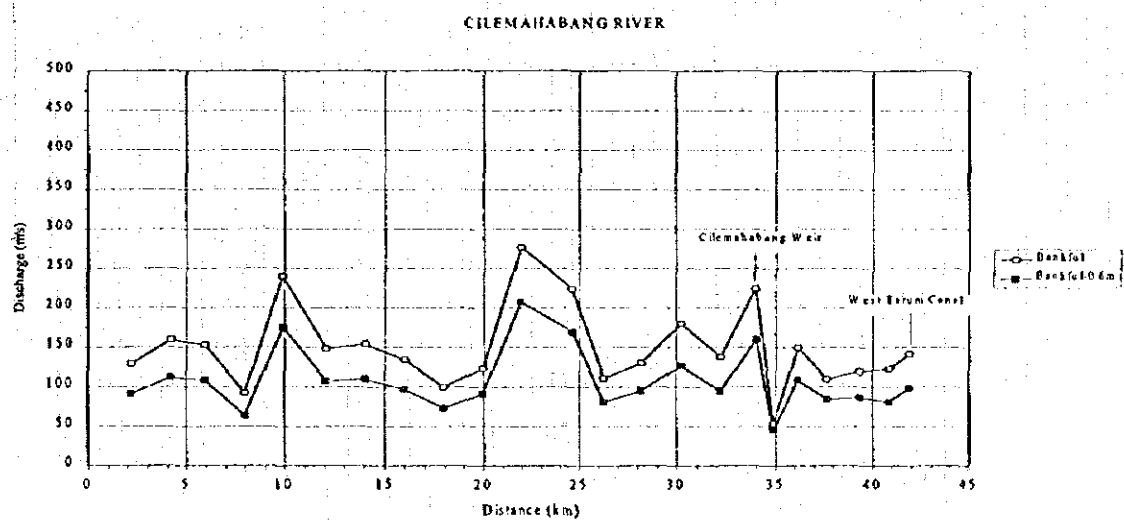
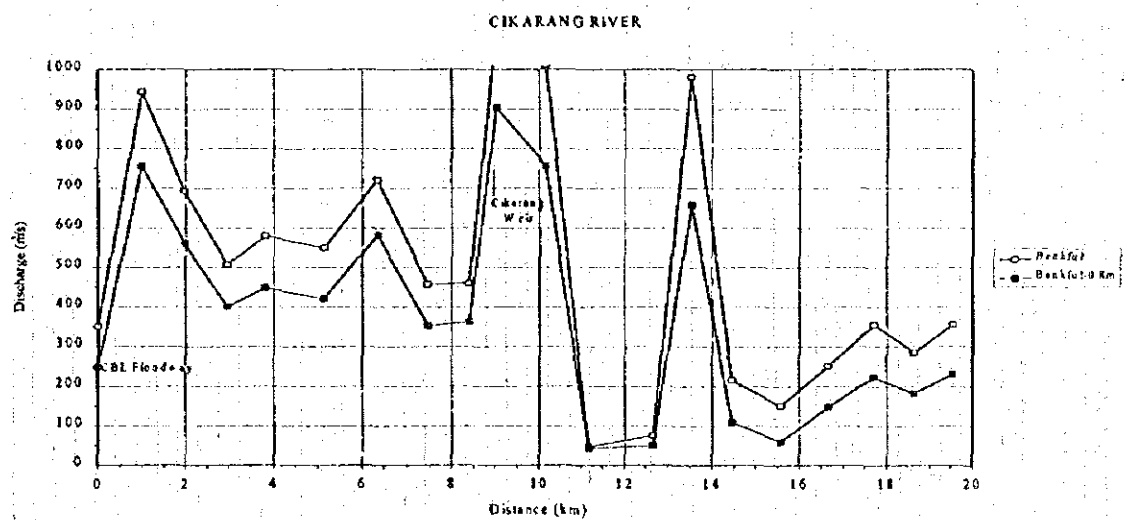
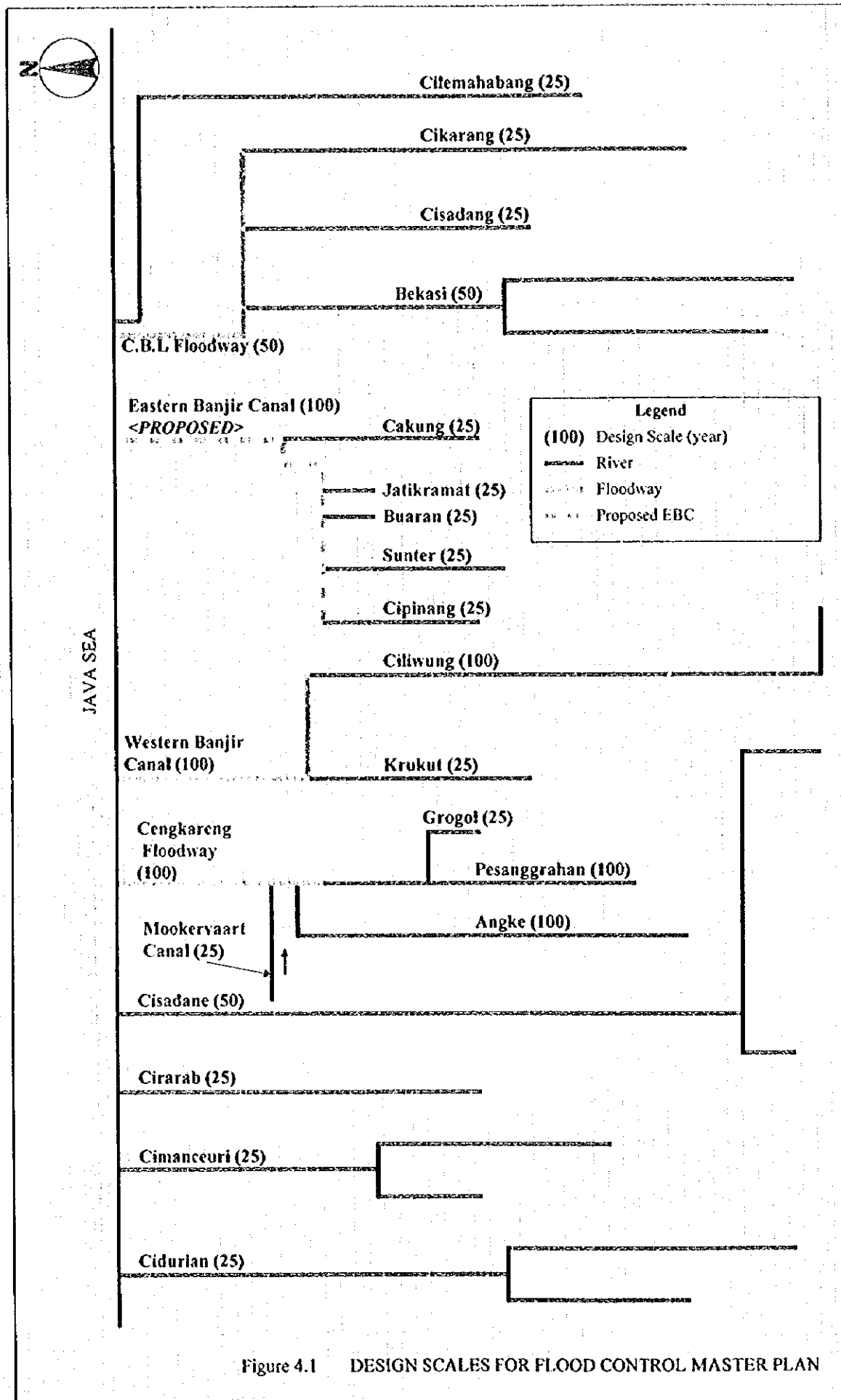


Figure 3.10 PRESENT CARRYING CAPACITIES OF CHANNELS (6/6)



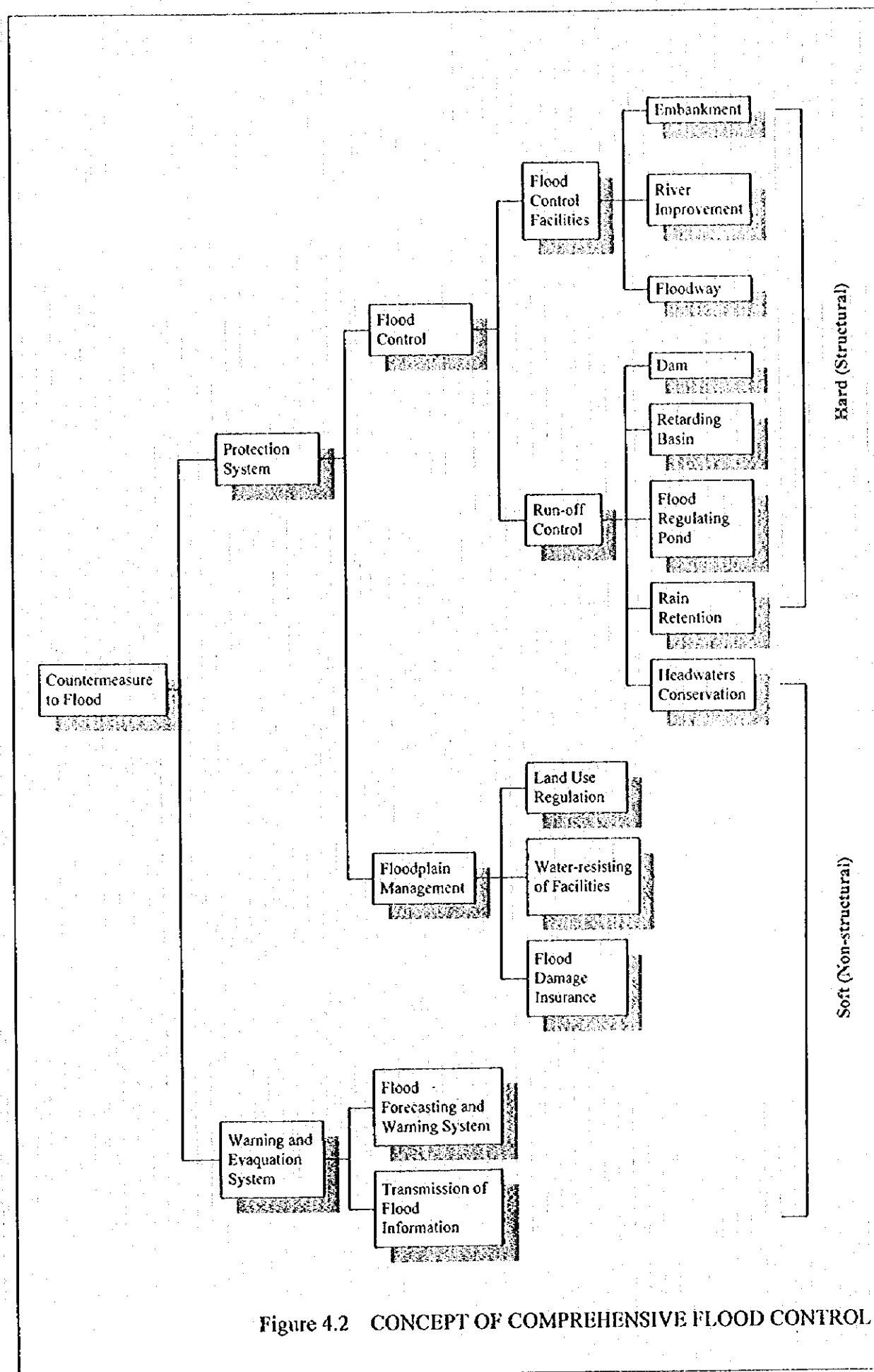
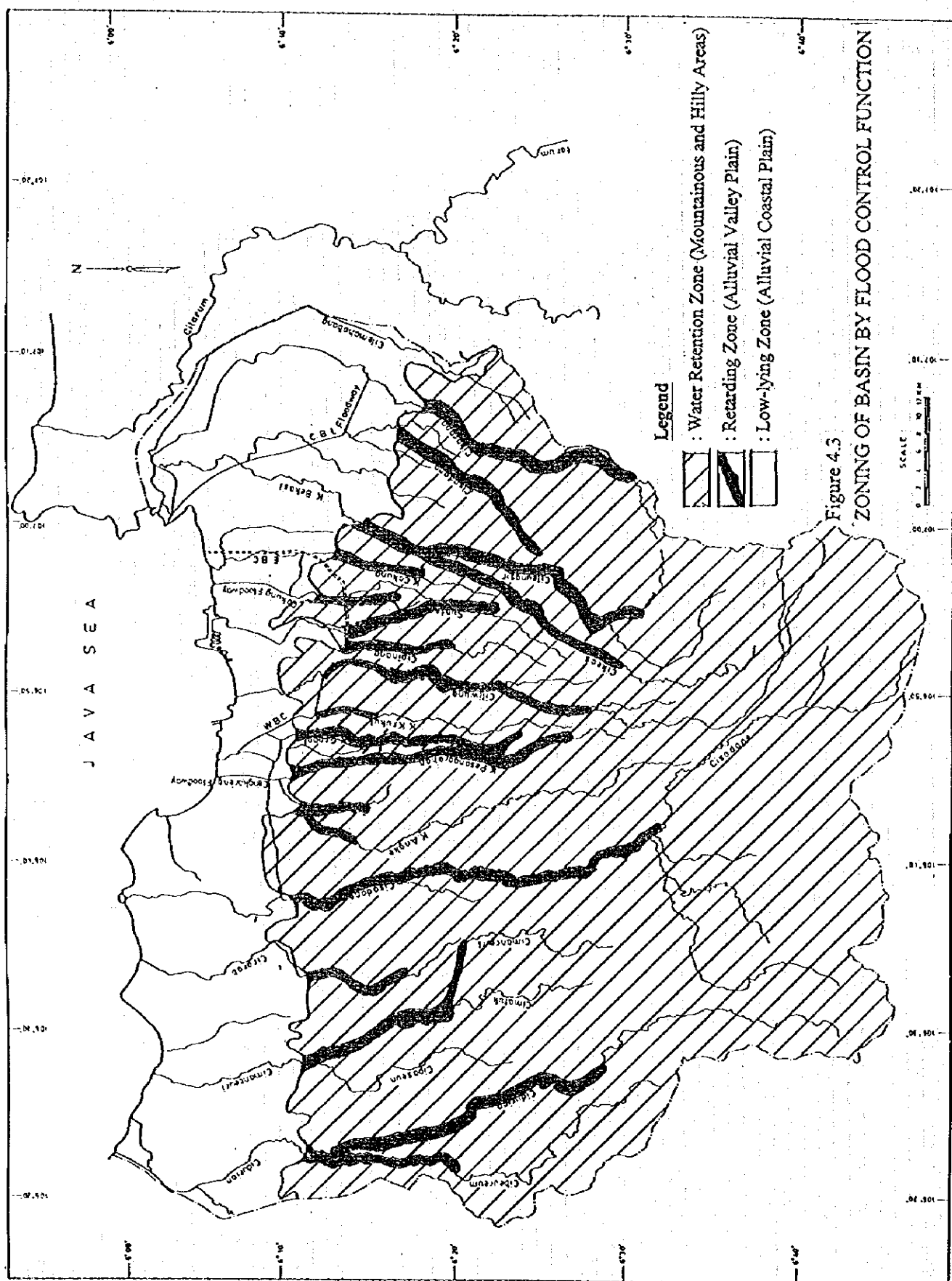
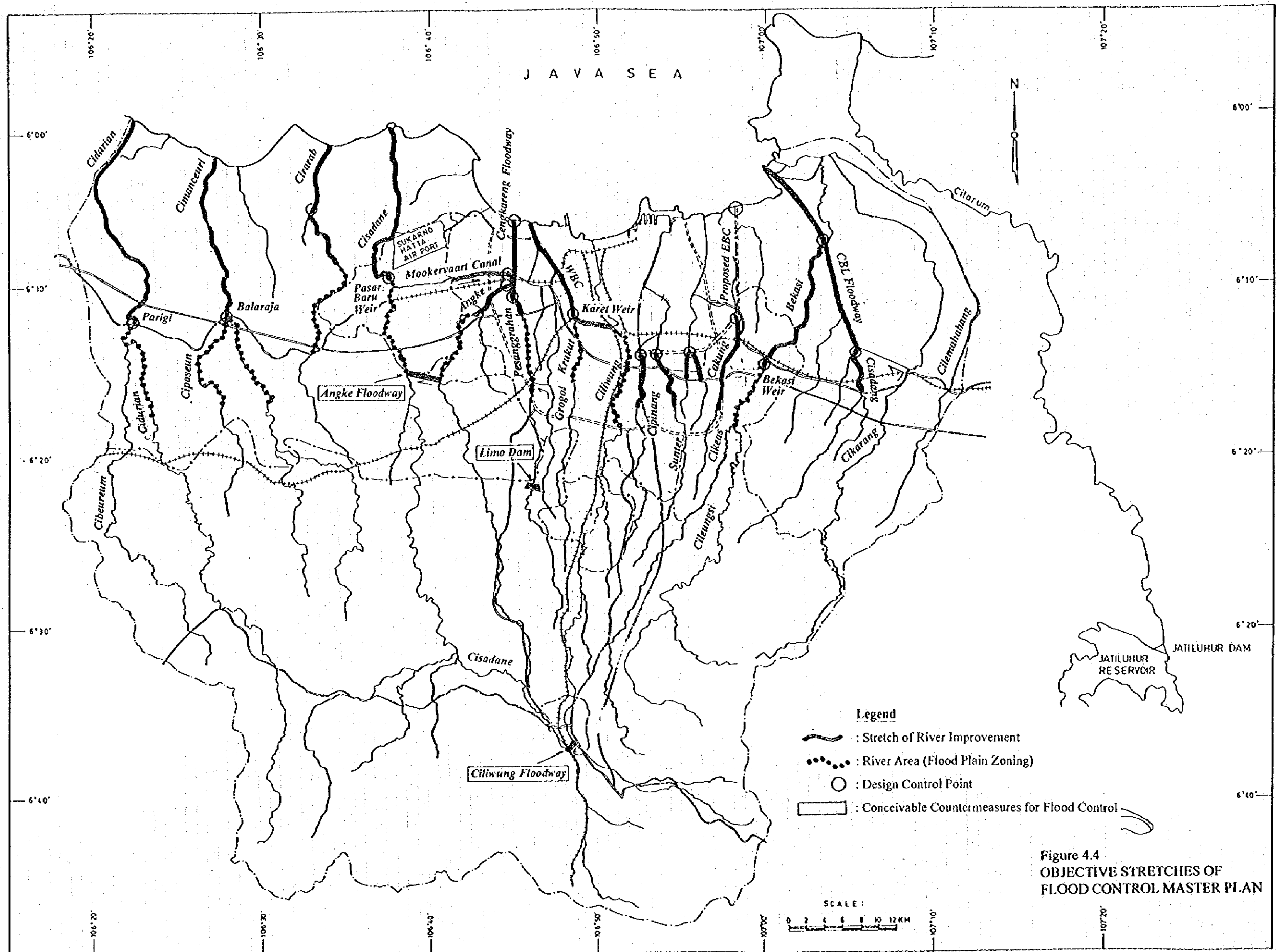


Figure 4.2 CONCEPT OF COMPREHENSIVE FLOOD CONTROL





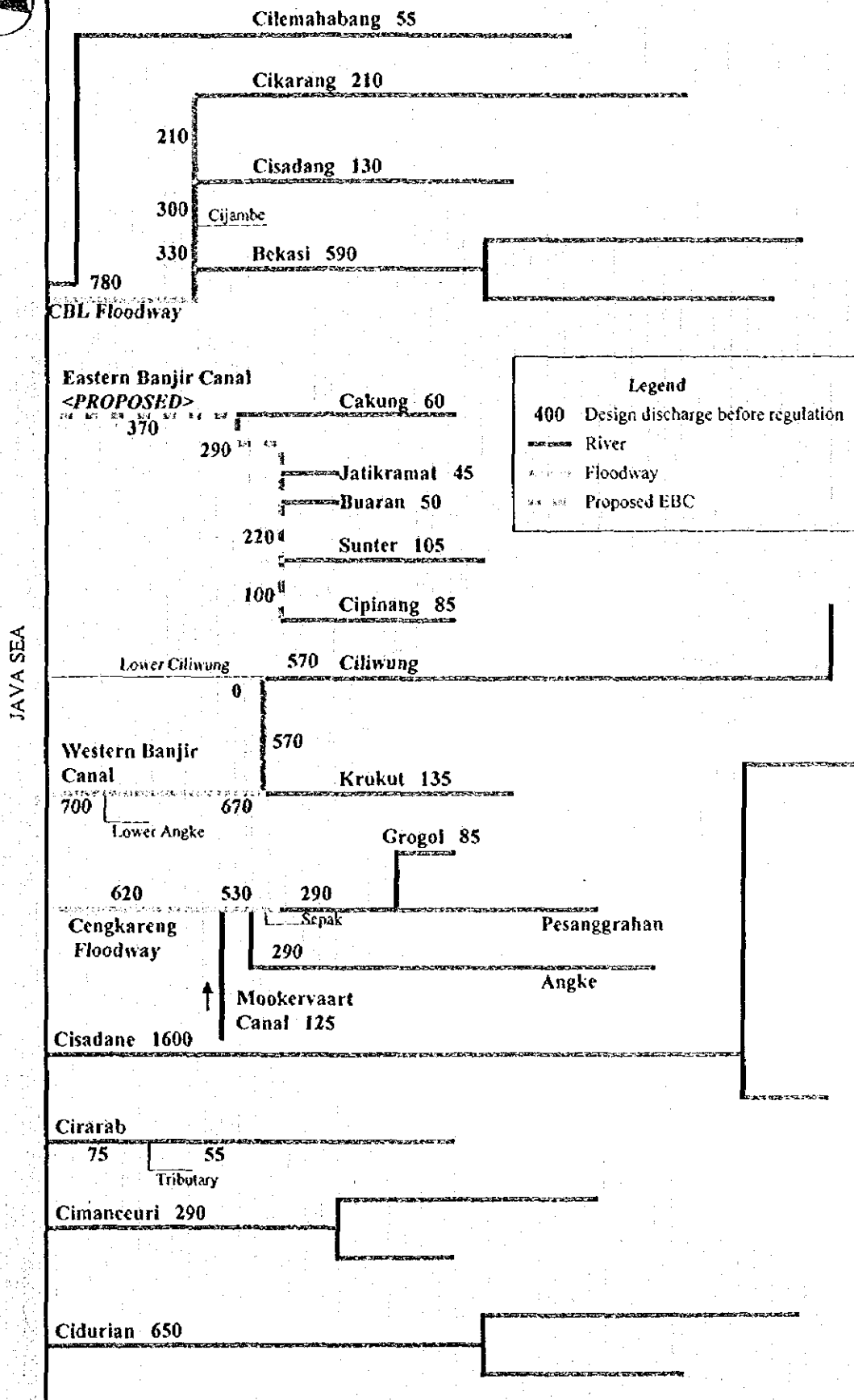
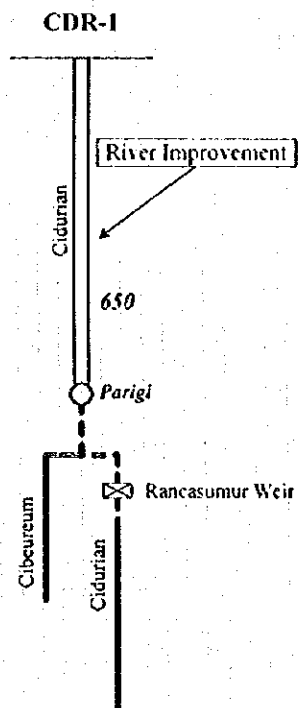
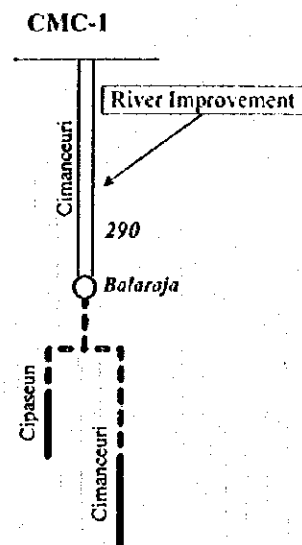


Figure 4.5 DESIGN DISCHARGE BEFORE REGULATION

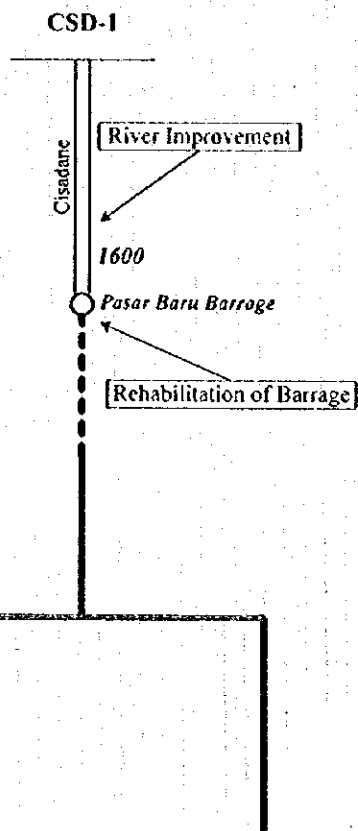
CIDURIAN RIVER



CIMANCEURI RIVER



CISADANE RIVER



CIRARAB RIVER

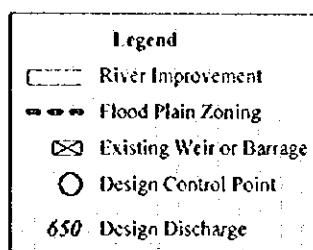
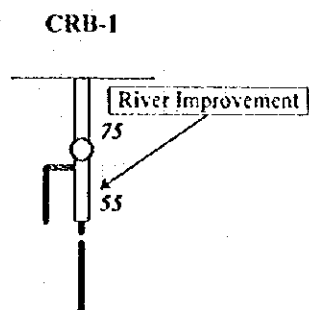


Figure 4.6 CONCEIVABLE COUNTERMEASURES OF FLOOD CONTROL (1/5)

CENGKARENG FLOODWAY SYSTEM

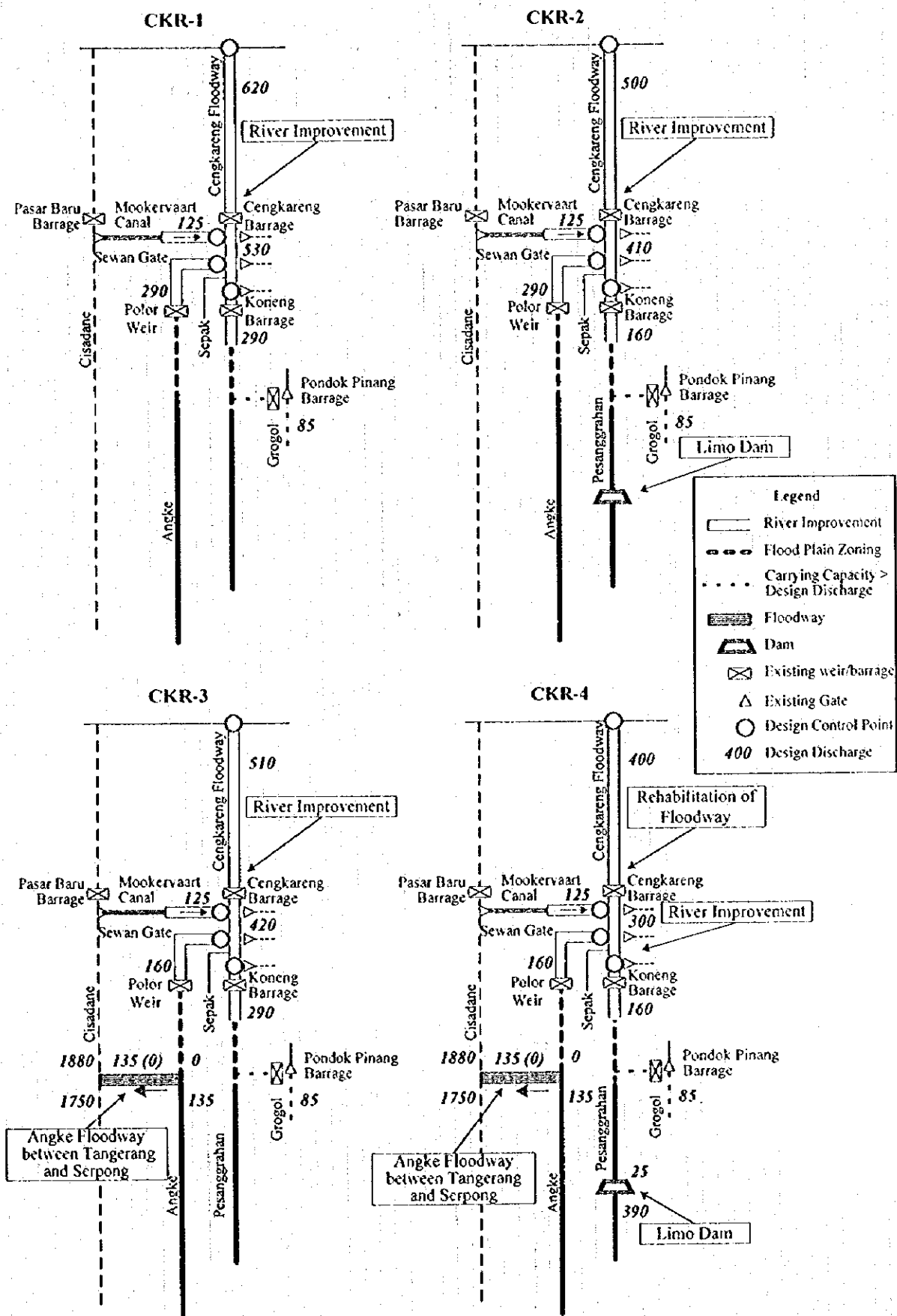


Figure 4.6 CONCEIVABLE COUNTERMEASURES OF FLOOD CONTROL (2/5)

WESTERN BANJIR CANAL SYSTEM

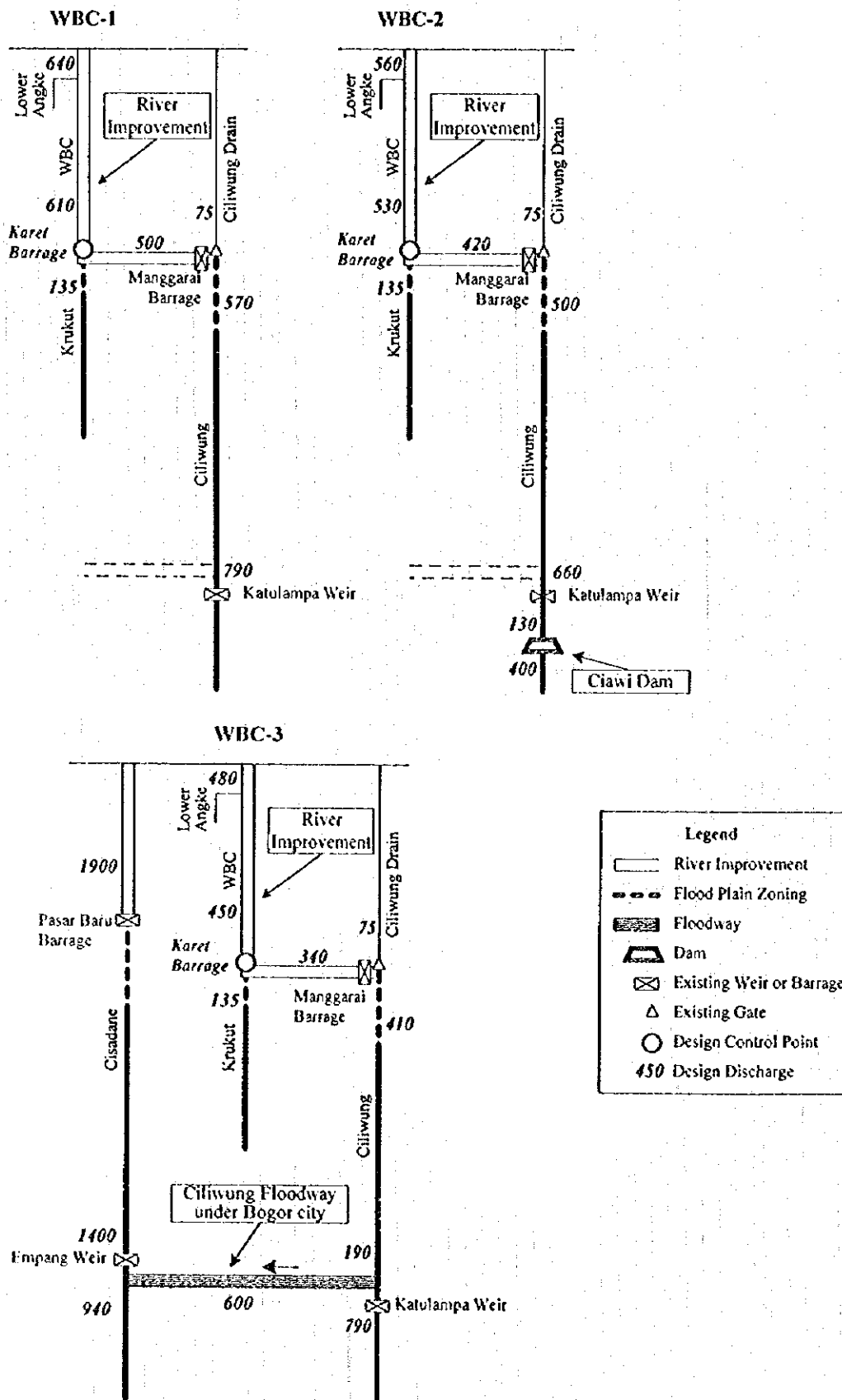
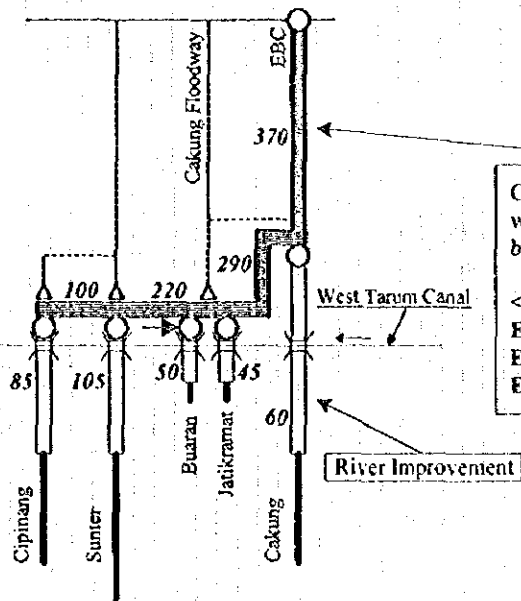


Figure 4.6 CONCEIVABLE COUNTERMEASURES OF FLOOD CONTROL (3/5)

PROPOSED EASTERN BANJIR CANAL SYSTEM

EBC-1



EBC-2

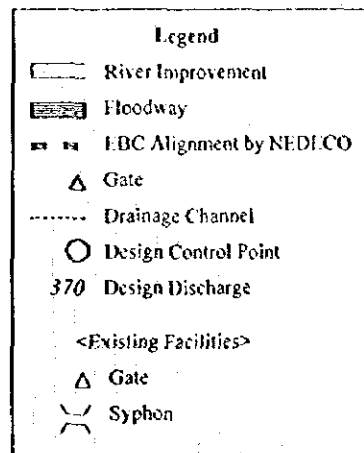
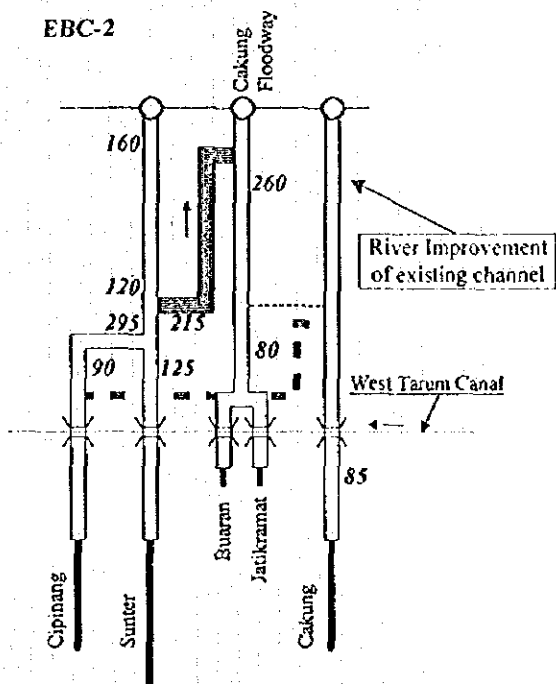


Figure 4.6 CONCEIVABLE COUNTERMEASURES OF FLOOD CONTROL (4/5)

CBL FLOODWAY SYSTEM

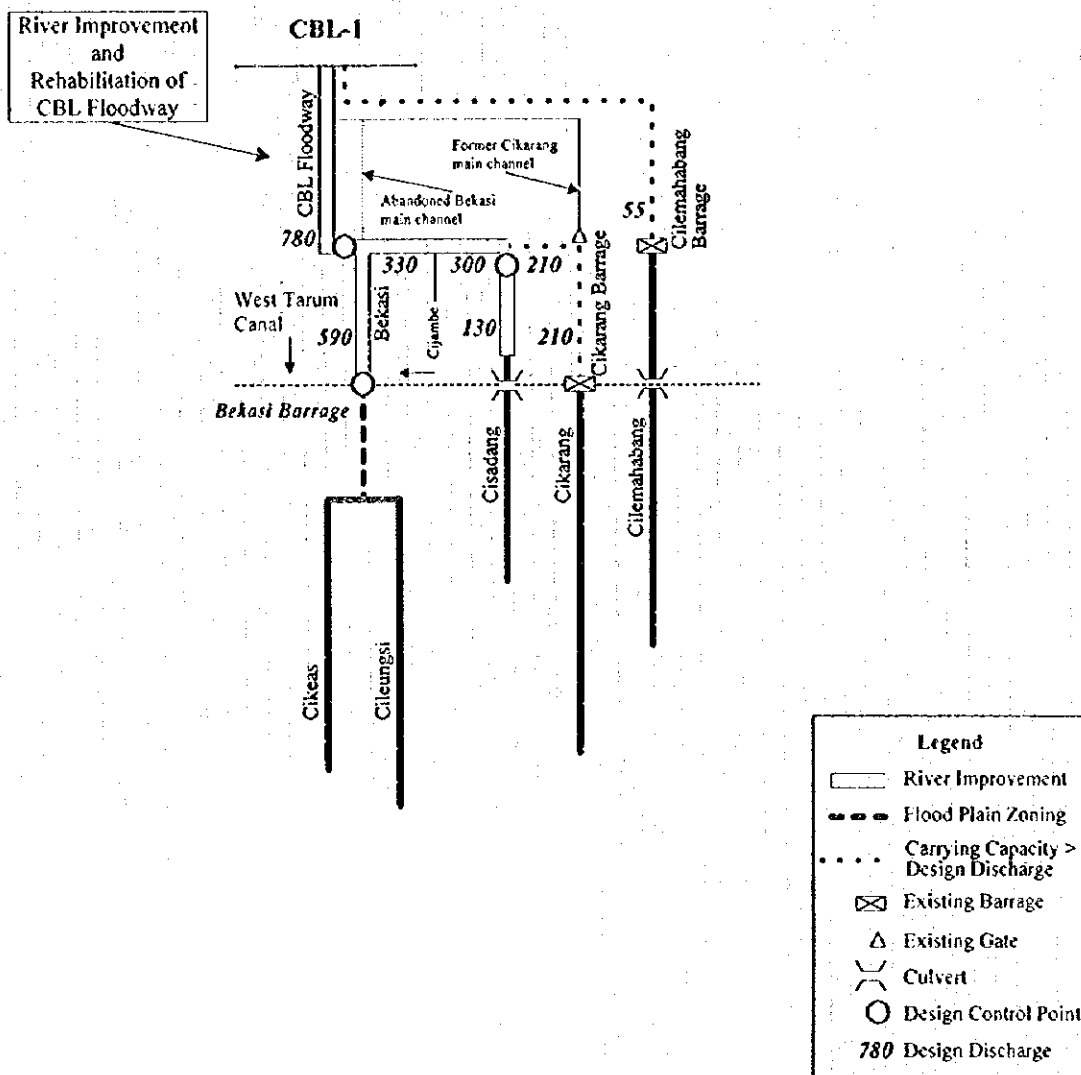


Figure 4.6 CONCEIVABLE COUNTERMEASURES OF FLOOD CONTROL (5/5)

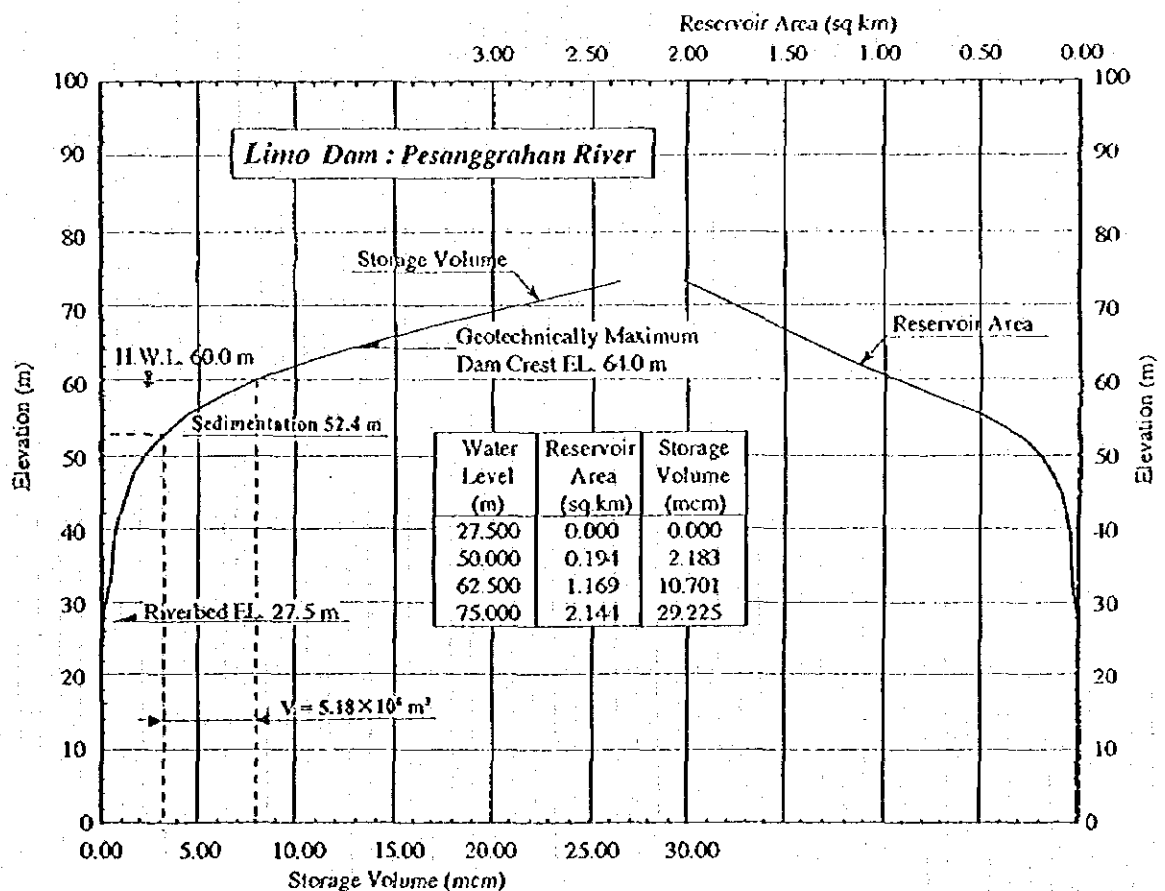
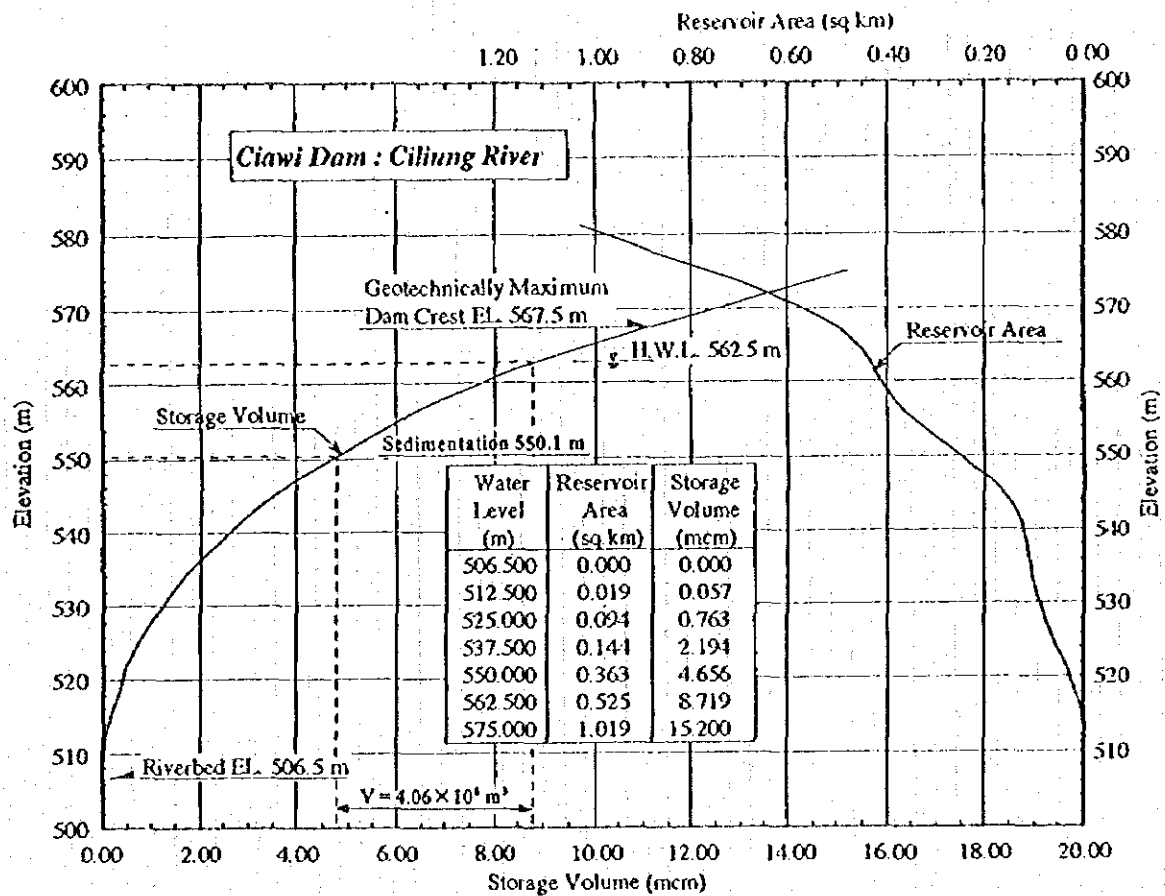
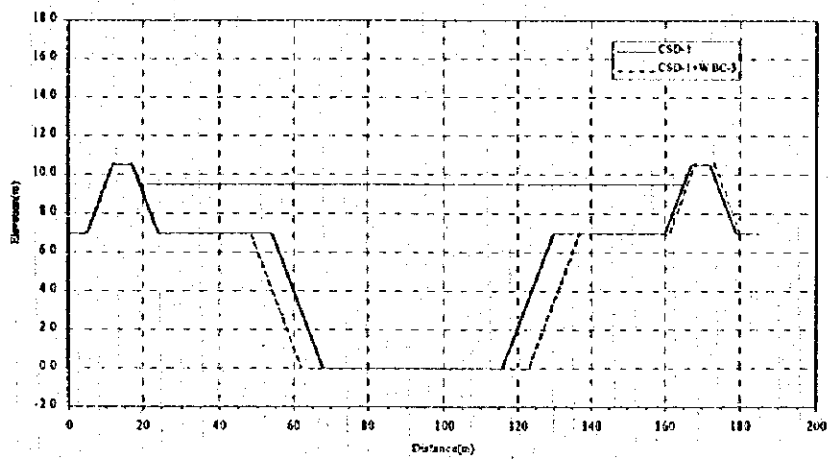
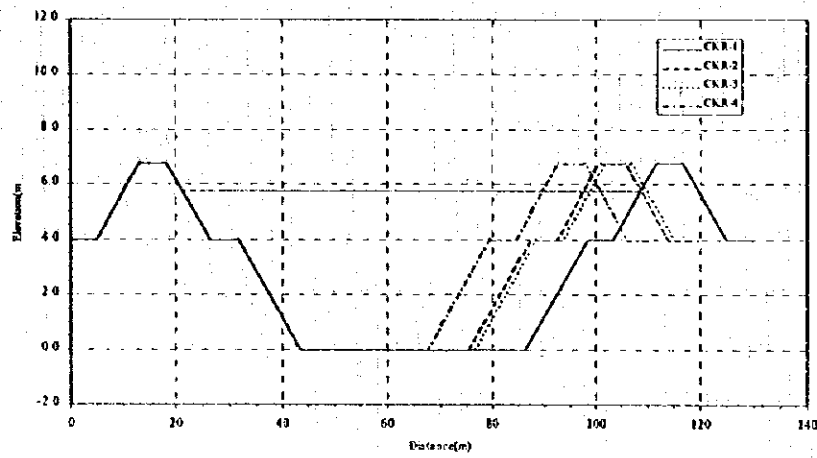


Figure 4.7 RELATIONSHIP BETWEEN RESERVOIR WATER LEVEL, AREA AND STORAGE VOLUME

CISADANE RIVER (Estuary - Pasar Baru Weir)



CENGKARENG FLOODWAY (Estuary - JCF-9)



CENGKARENG FLOODWAY (JCF-9 - Cengkareng weir)

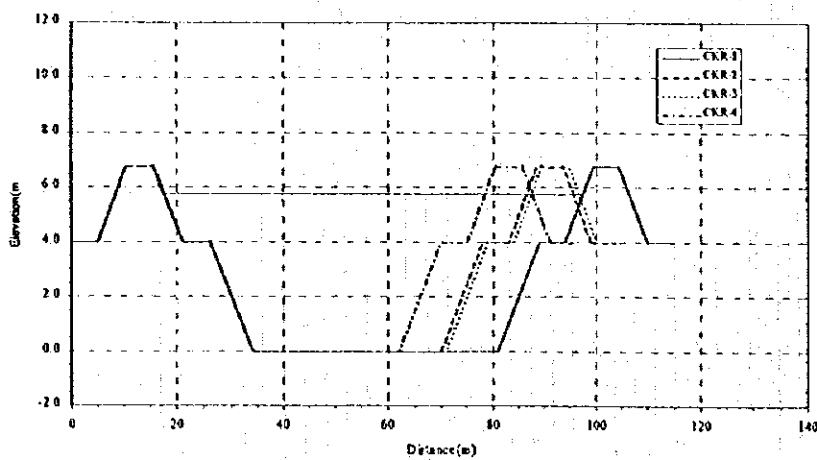
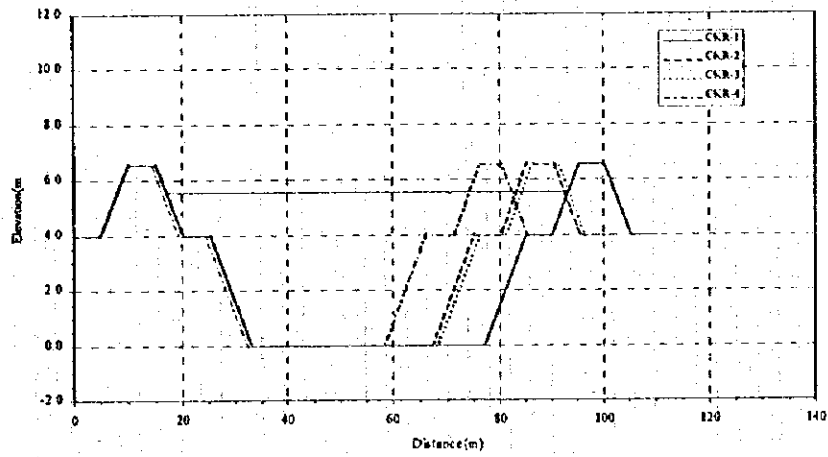
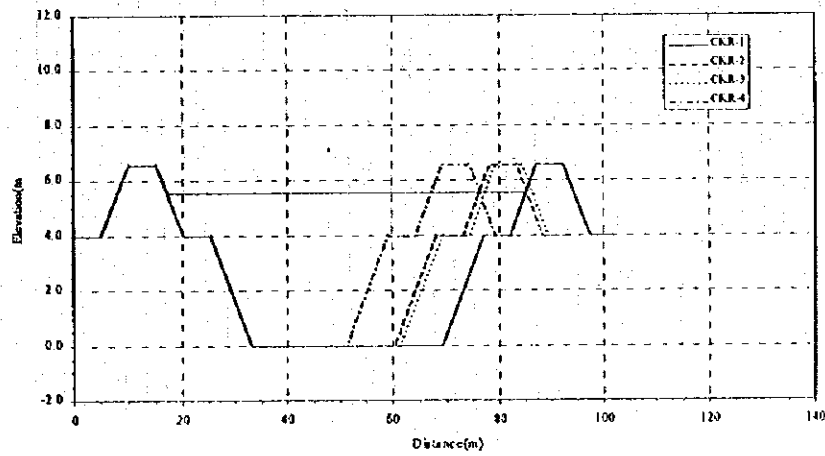


Figure 4.8 STANDARD CROSS SECTIONS OF ALTERNATIVES (1/5)

CENGKARENG FLOODWAY (Cengkareng weir - Mockervart canal)



CENGKARENG FLOODWAY (Mockervart canal - Angke river)



CENGKARENG FLOODWAY (Angke river - upper end)

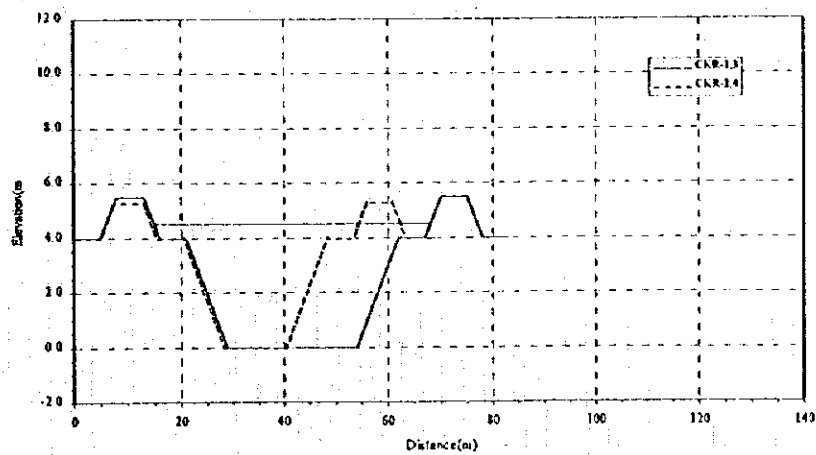
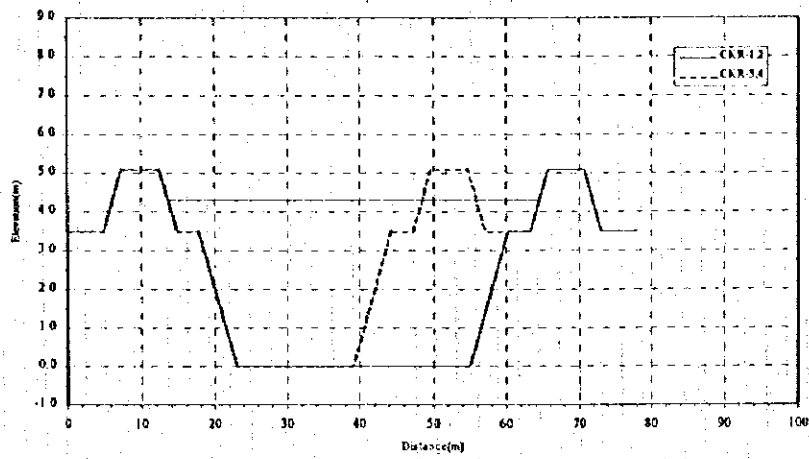


Figure 4.8 STANDARD CROSS SECTIONS OF ALTERNATIVES (2/5)

ANGKE RIVER (Conf with Cengkareng Floodway - Pokir weir)



PESANGGRAHAN RIVER(Conf with Cengkareng Floodway - Toll Jakarta-Merak)

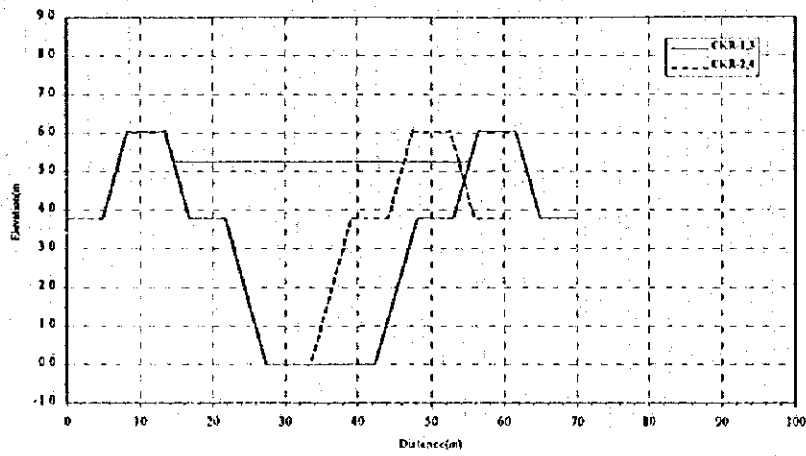


Figure 4.8 STANDARD CROSS SECTIONS OF ALTERNATIVES (3/5)

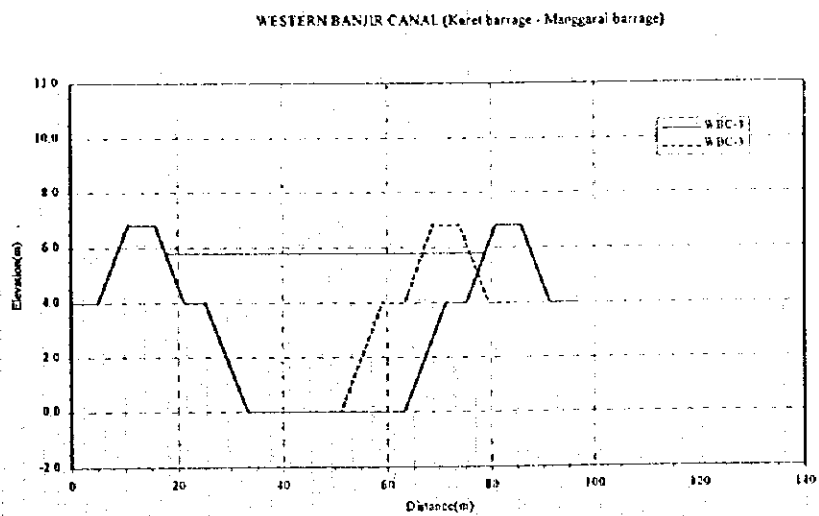
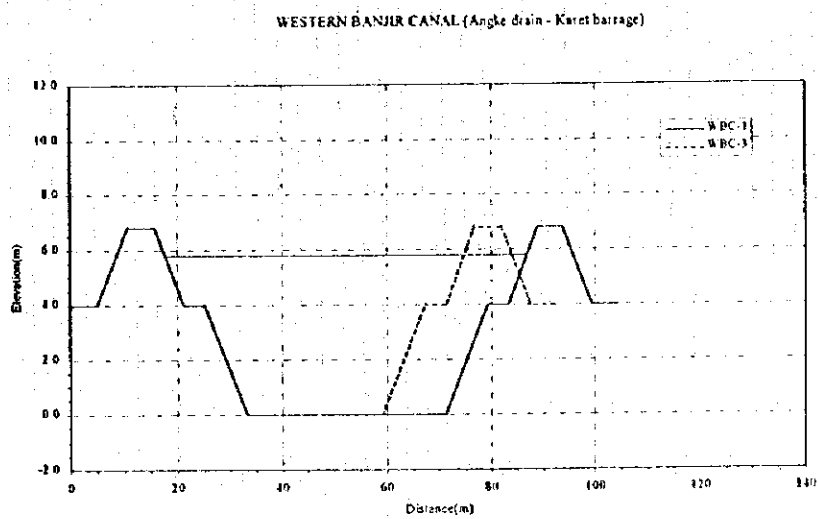
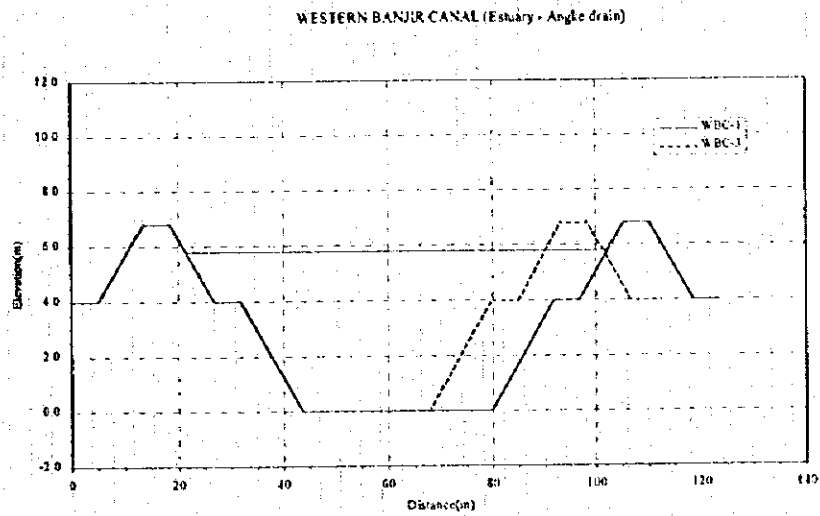


Figure 4.8 STANDARD CROSS SECTIONS OF ALTERNATIVES (4/5)

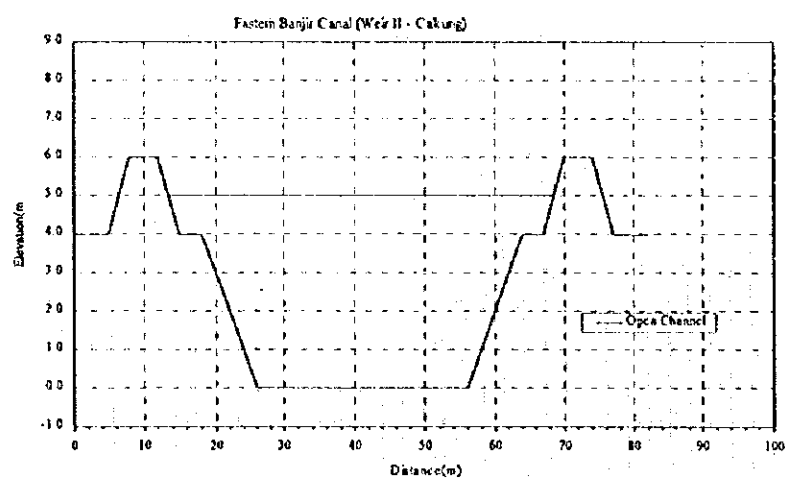
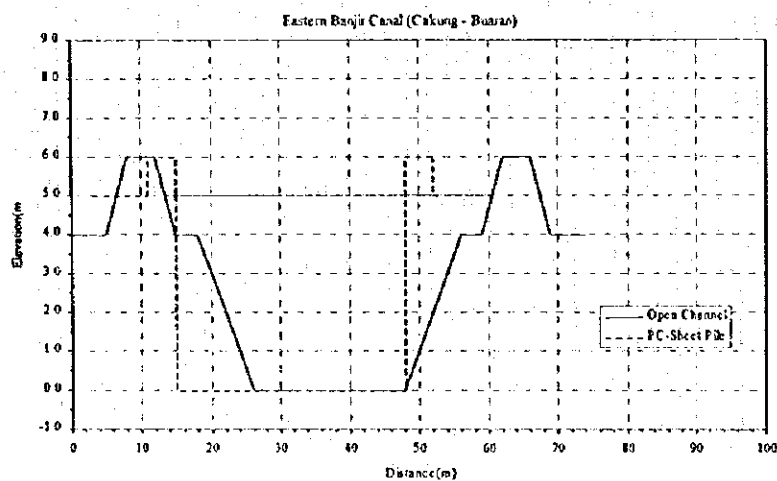
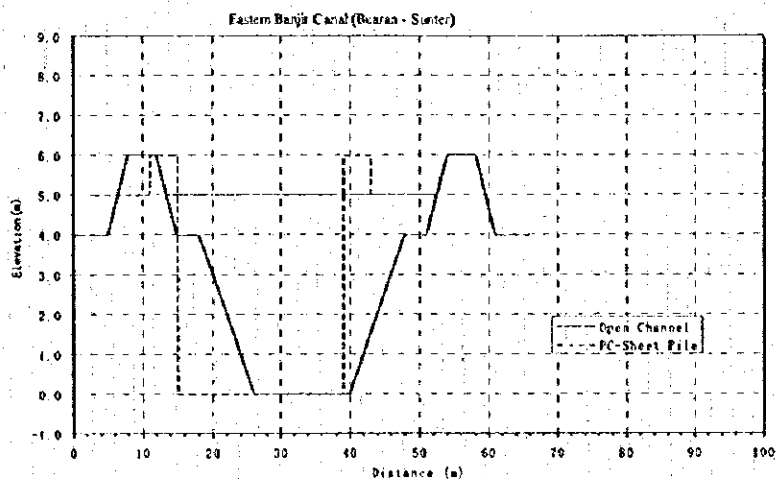


Figure 4.8 STANDARD CROSS SECTIONS OF ALTERNATIVES (5/5)

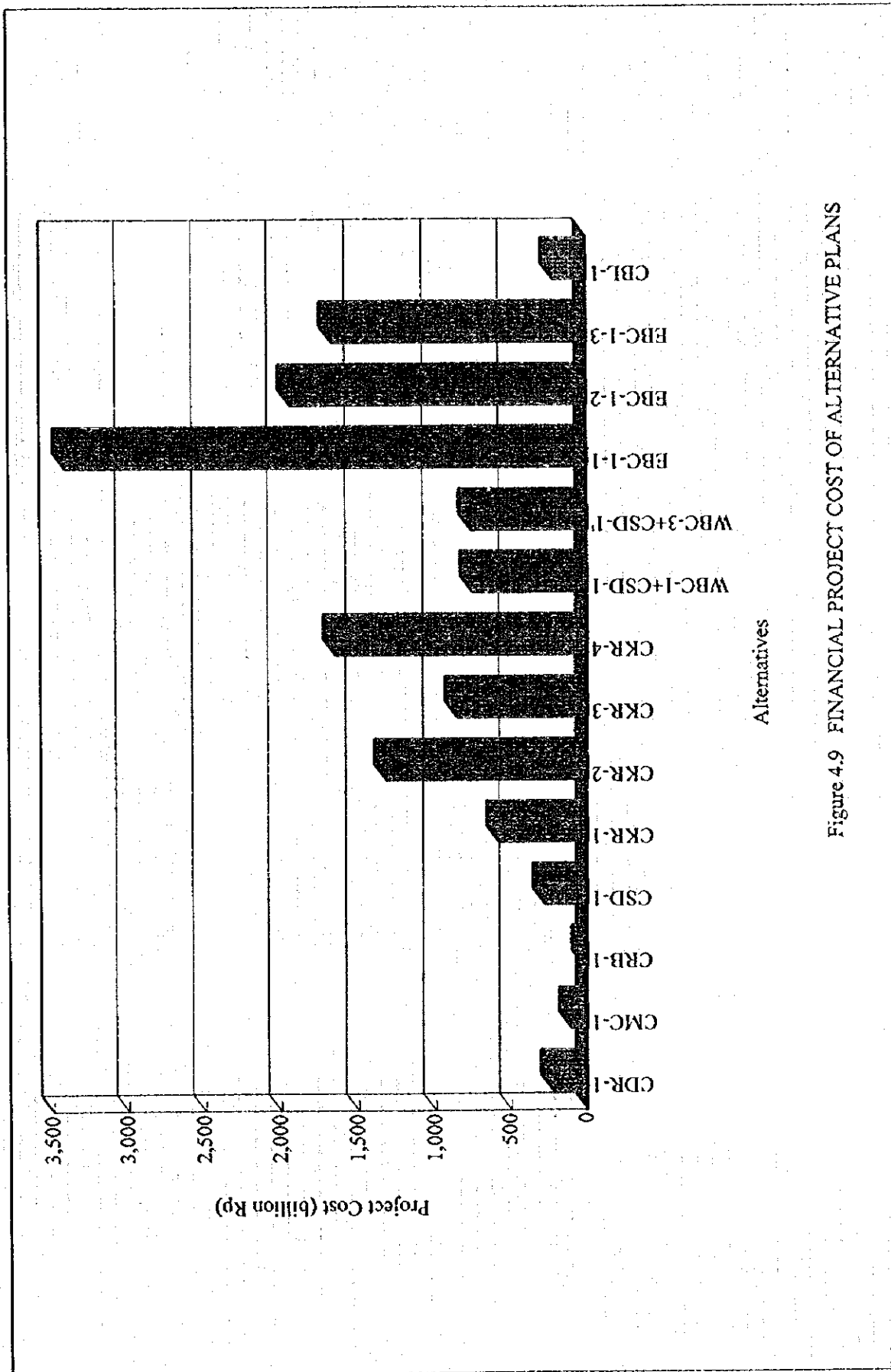


Figure 4.9 FINANCIAL PROJECT COST OF ALTERNATIVE PLANS

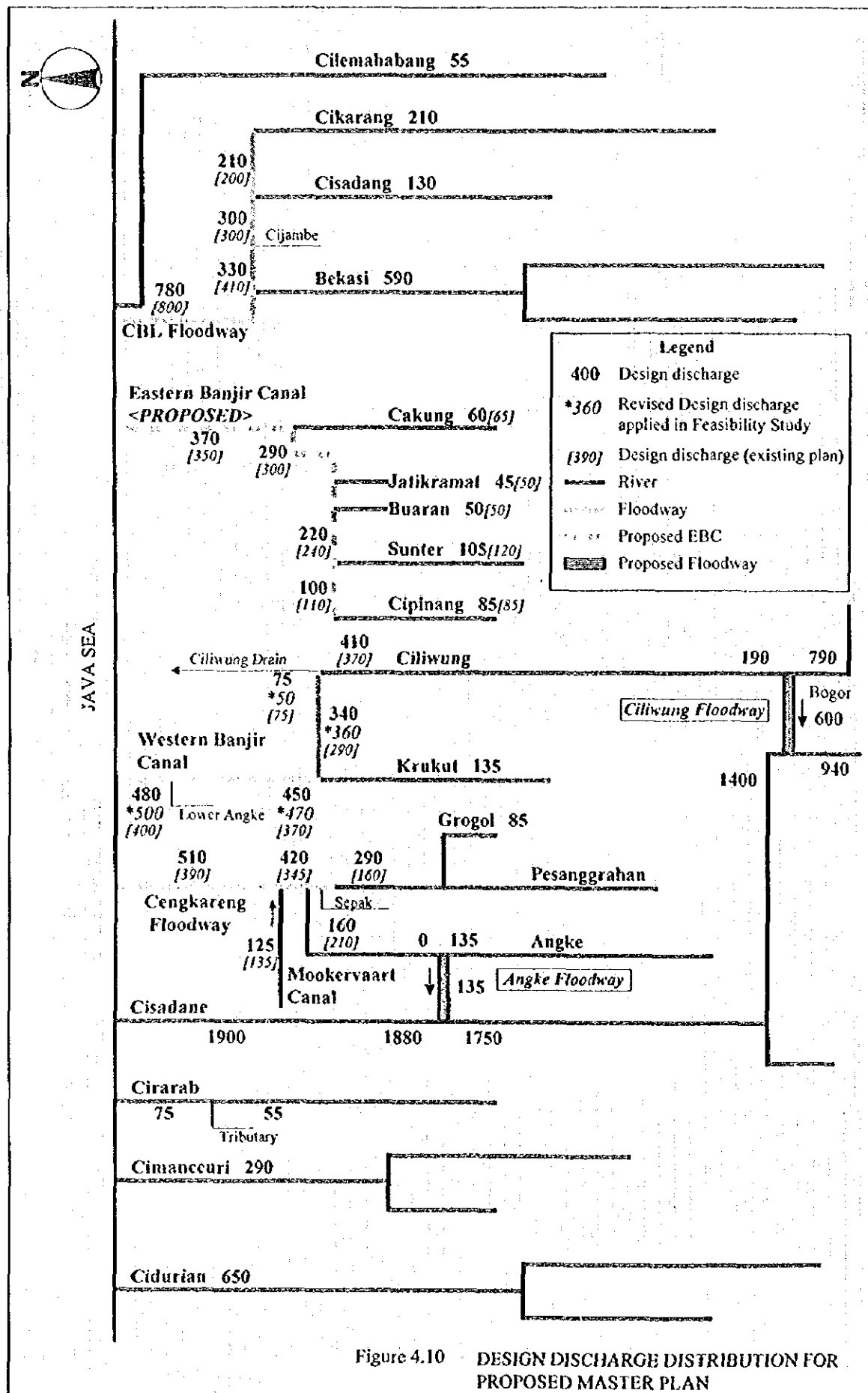


Figure 4.10 DESIGN DISCHARGE DISTRIBUTION FOR PROPOSED MASTER PLAN

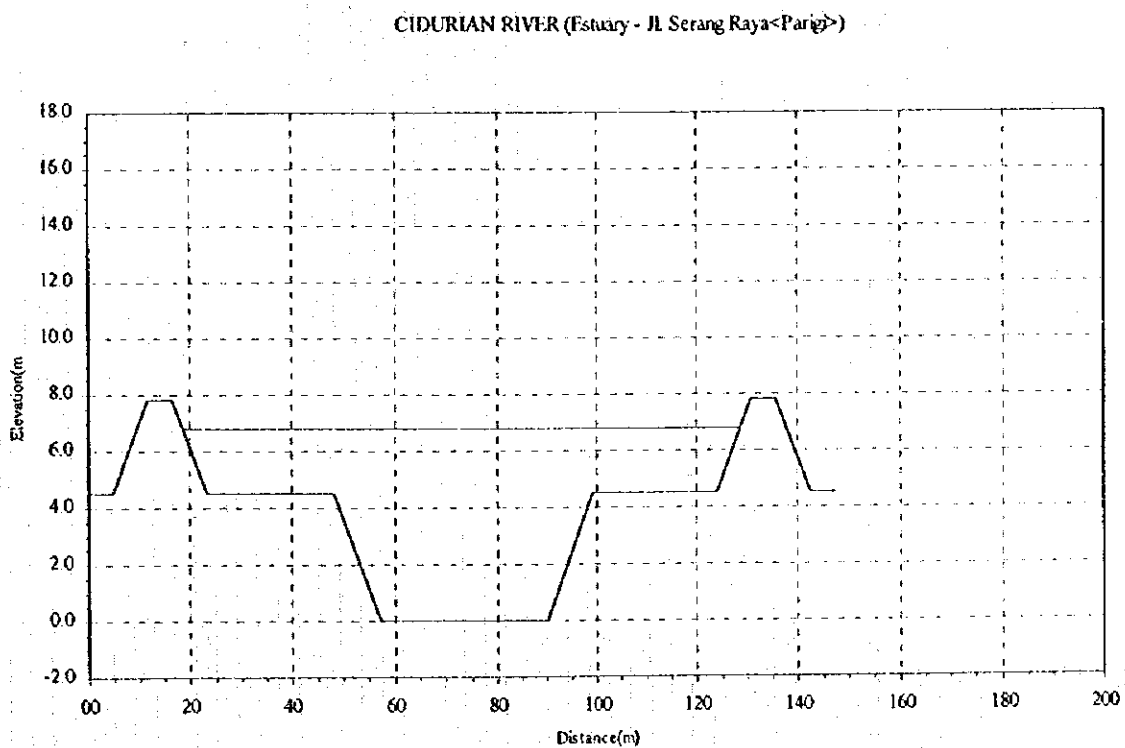
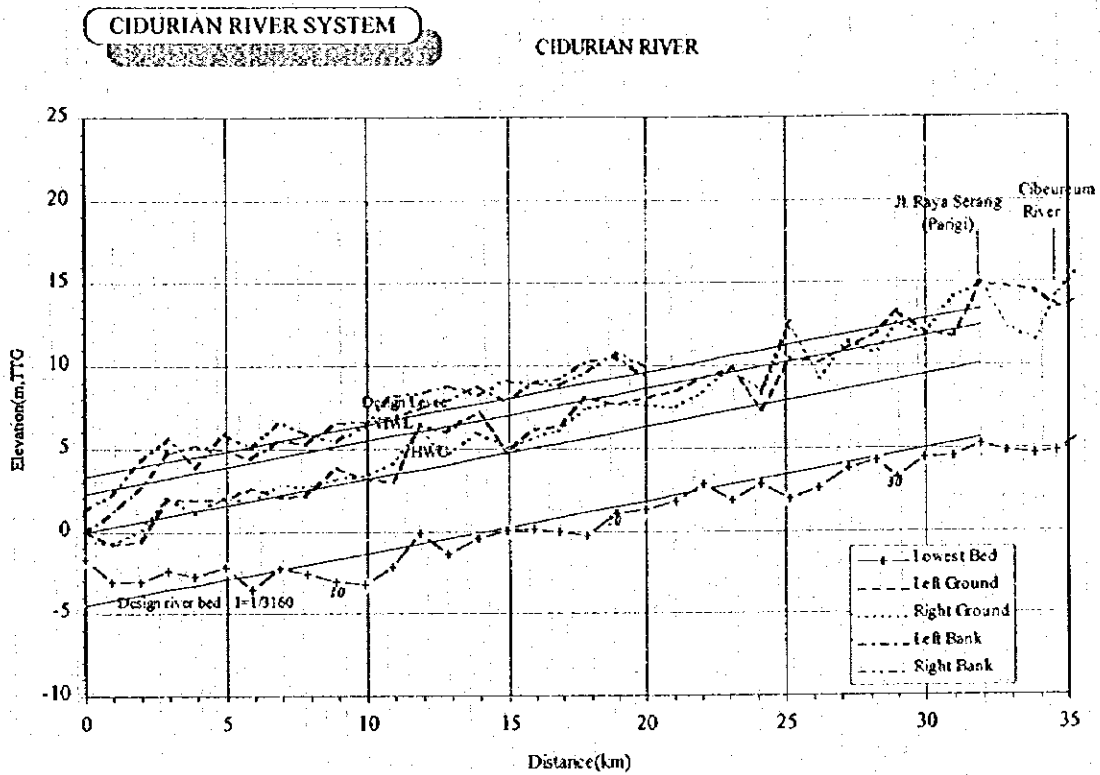
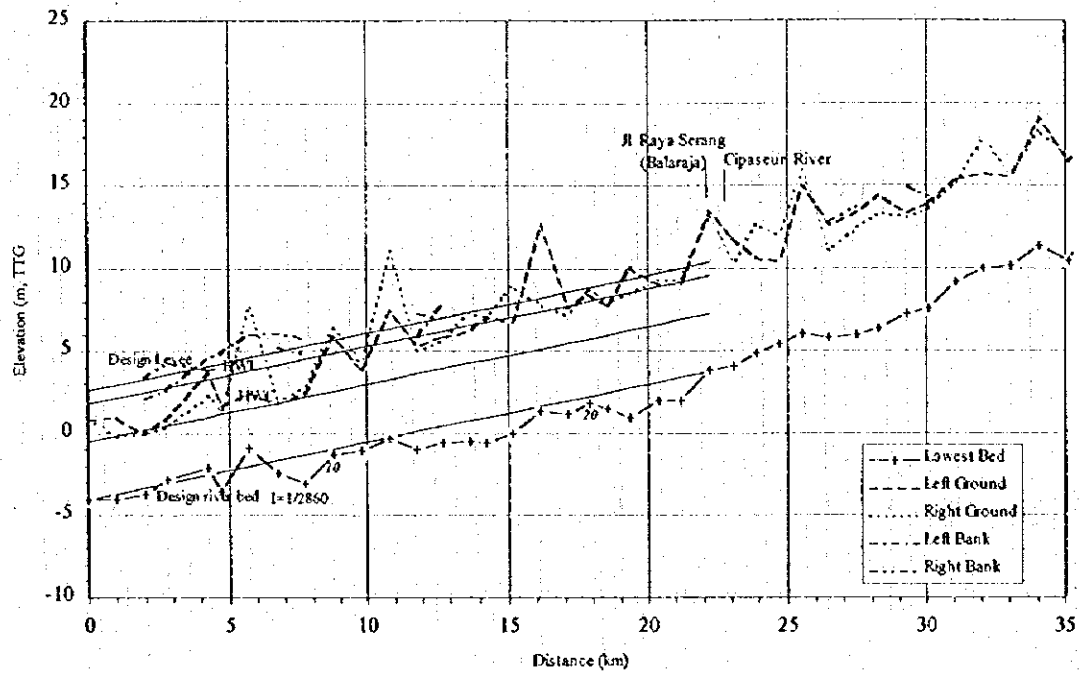


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (1/13)

CIMANCEURI RIVER SYSTEM

CIMANCEURI RIVER



CIMANCEURI RIVER (Estuary - Jl. Serang Raya<Balaraja>)

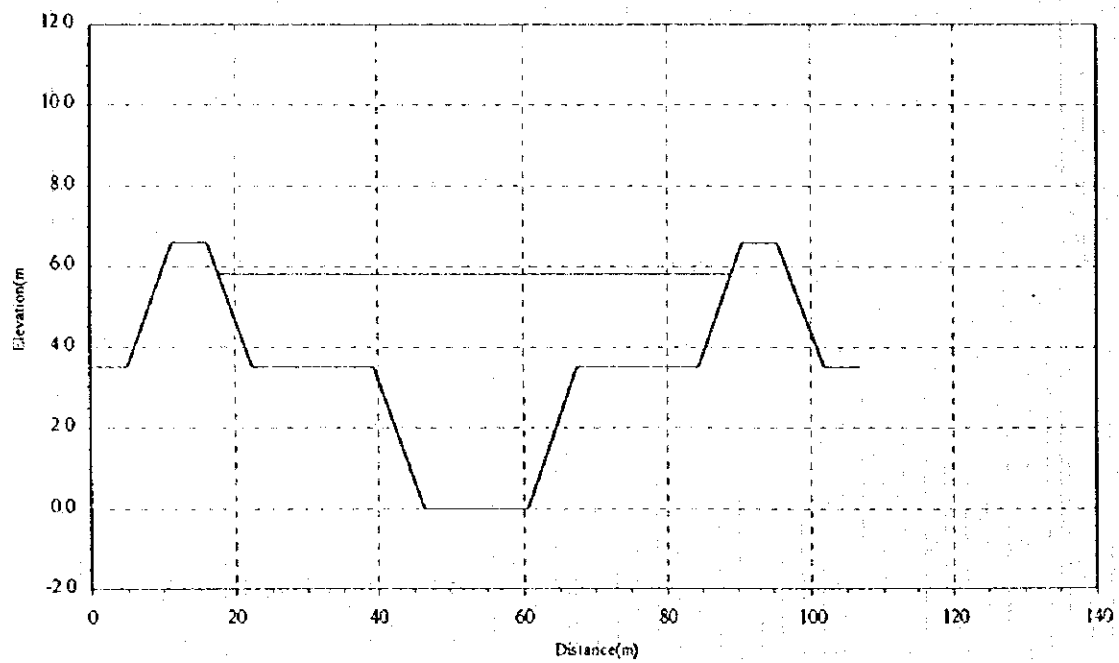


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (2/13)

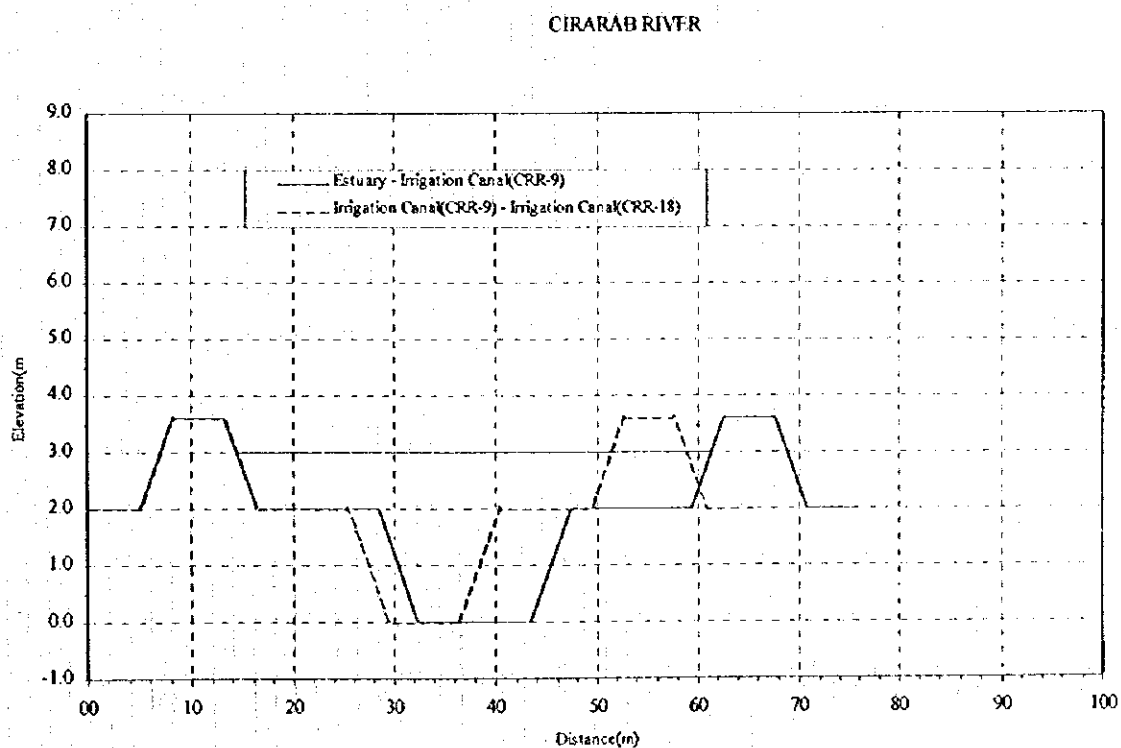
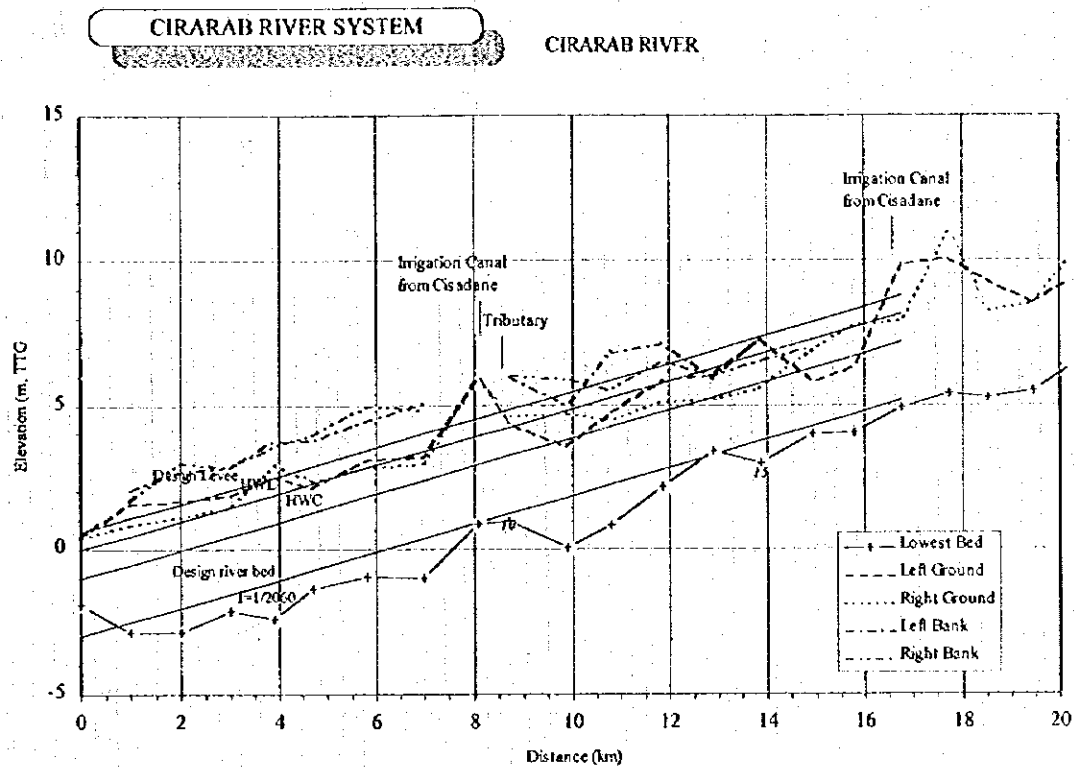
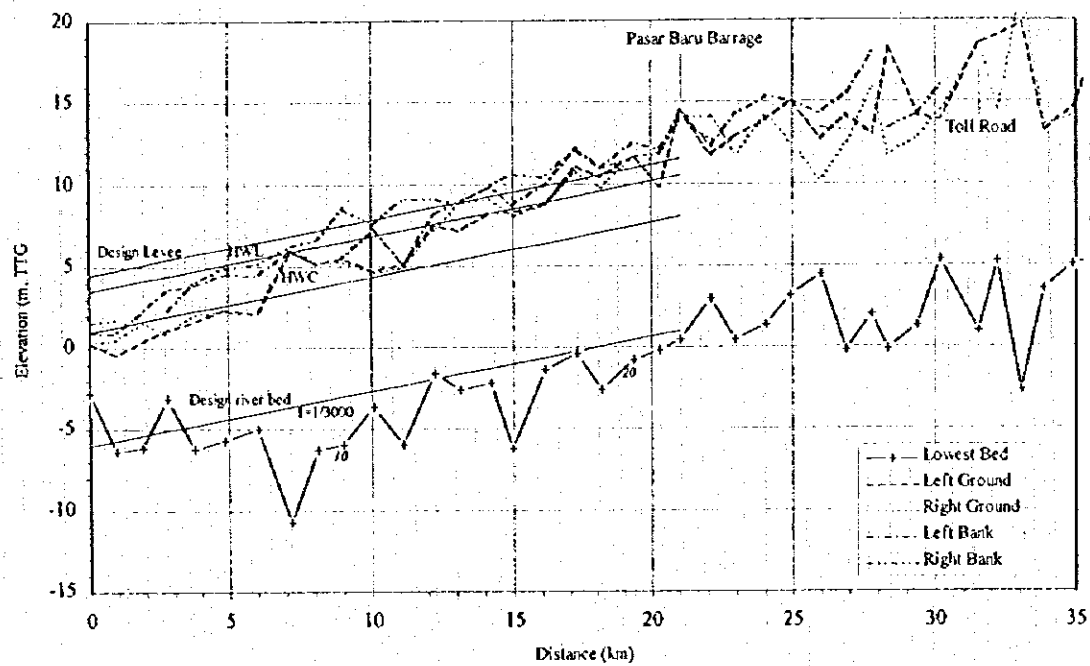


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (3/13)

CISADANE RIVER SYSTEM

CISADANE RIVER



CISADANE RIVER (Estuary - Pasar Baru Barrage)

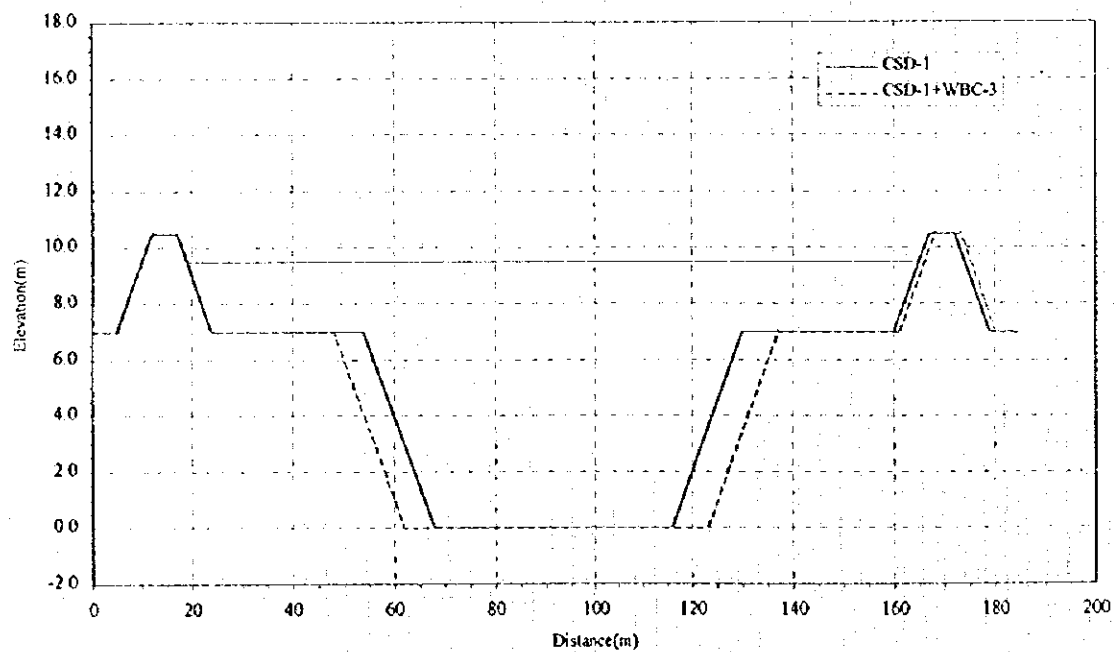
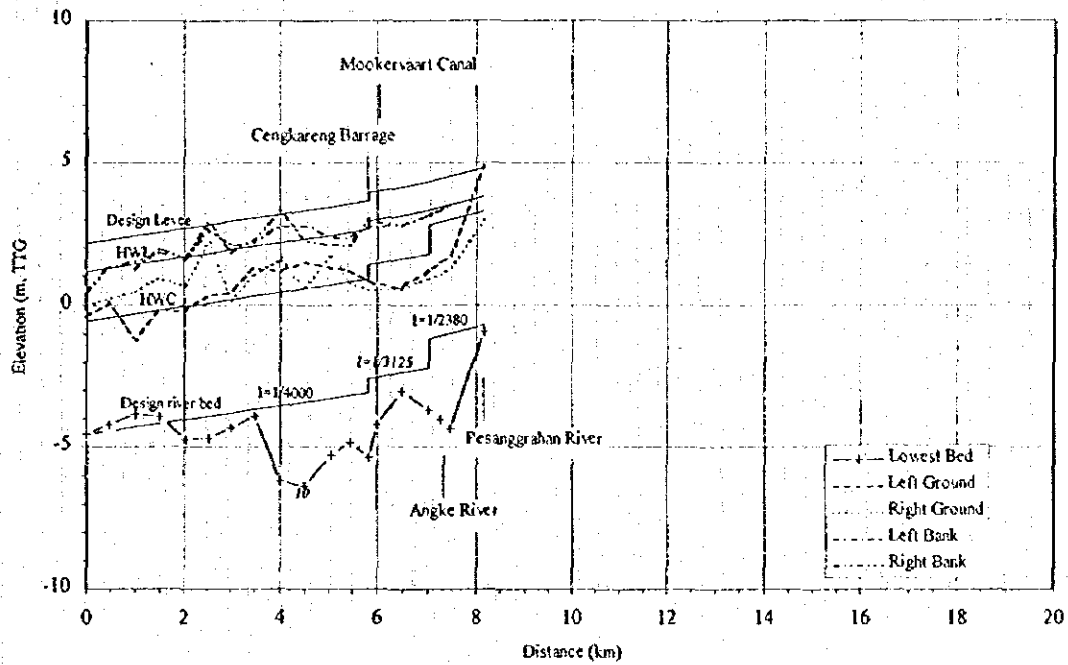


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (4/13)

CENGKARENG FLOODWAY SYSTEM (1/4)

CENGKARENG FLOODWAY



CENGKARENG FLOODWAY

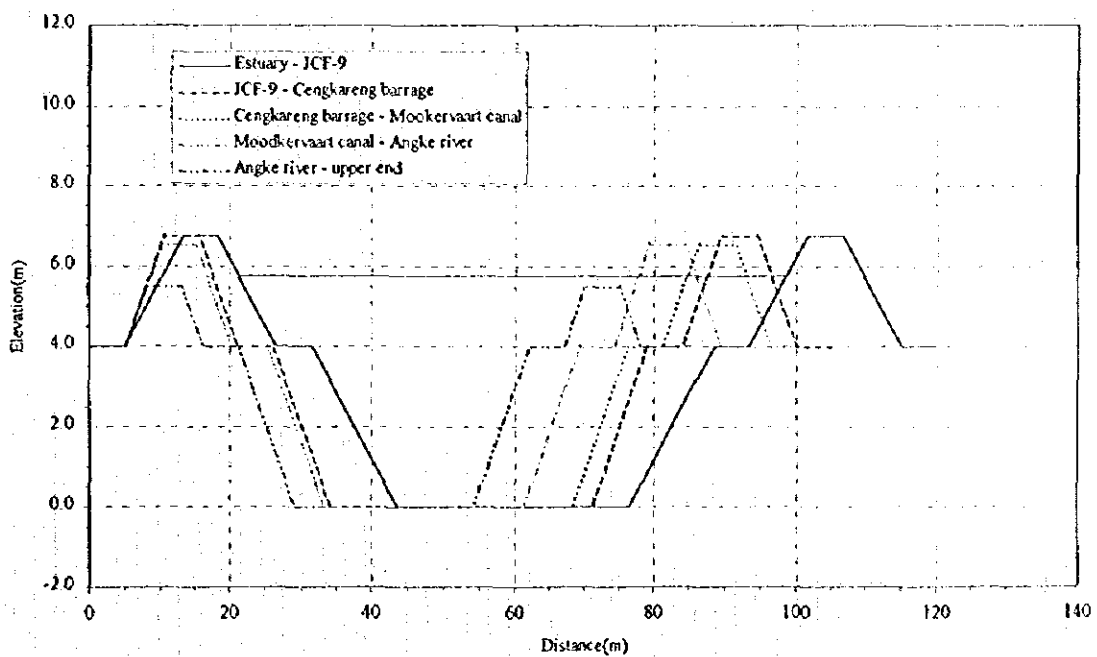
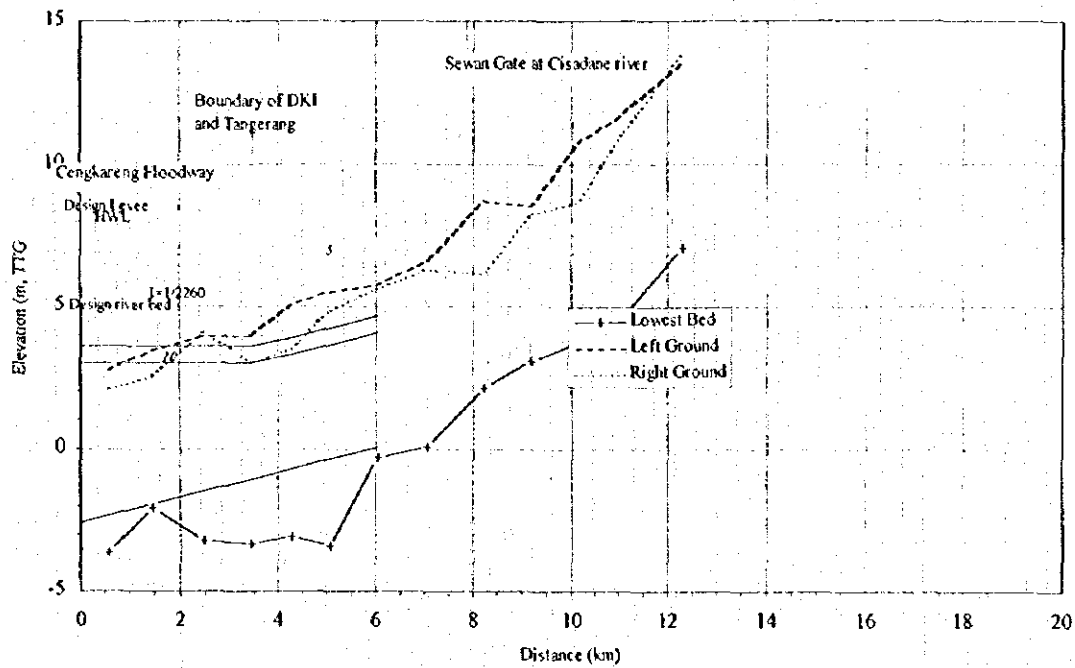


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (5/13)

CENGKARENG FLOODWAY SYSTEM (2/4)

MOOKERVAART CANAL



MOOKERVAART CANAL (Cengkareng Floodway - Boundary of DKI and Tangerang)

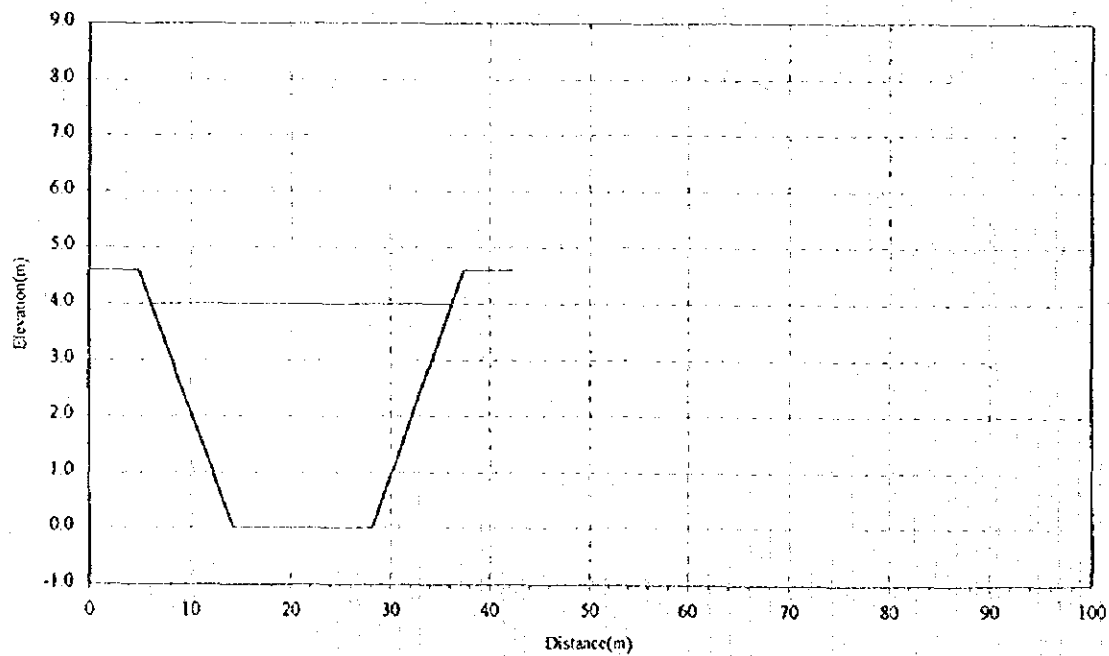
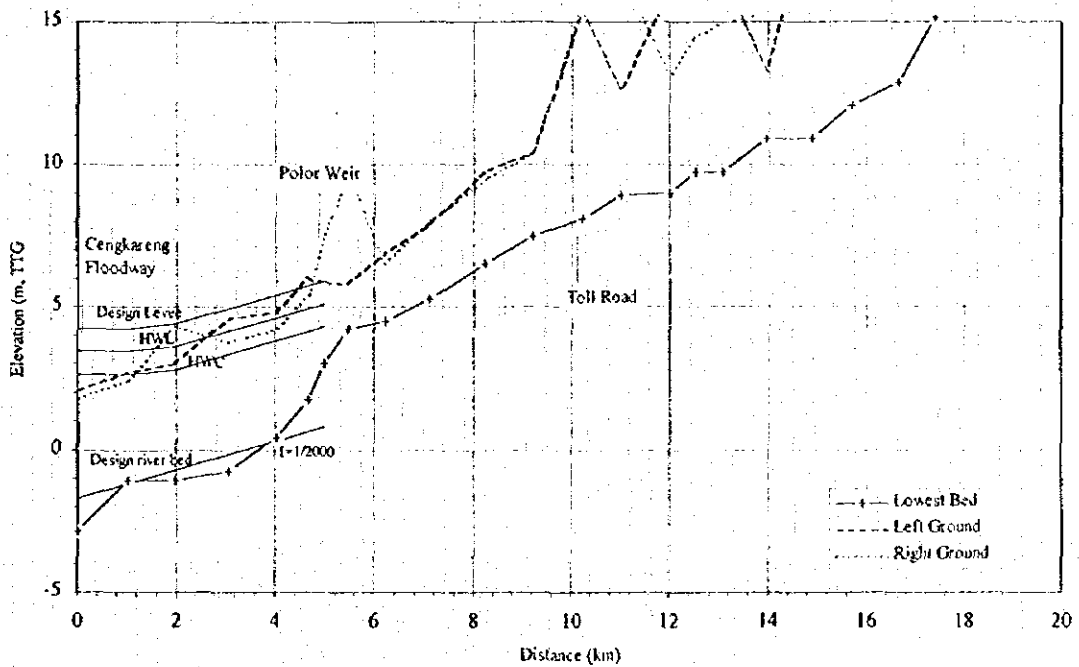


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (6/13)

CENGKARENG FLOODWAY SYSTEM (3/4)

ANGKE RIVER



ANGKE RIVER (Conf. with Cengkareng Floodway - Polar Weir)

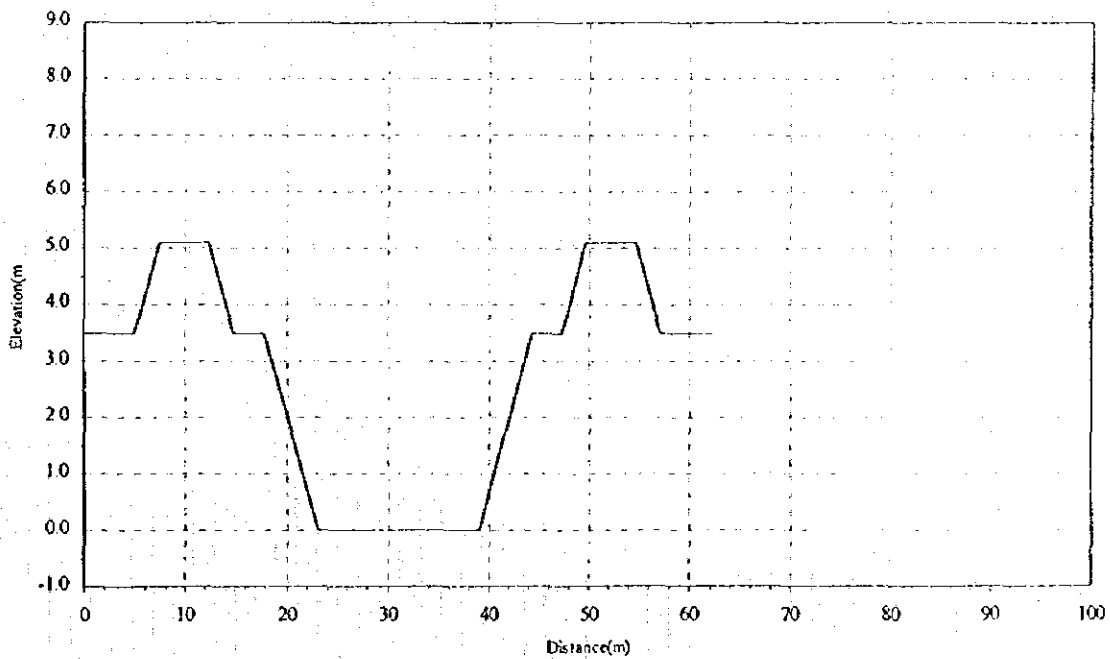
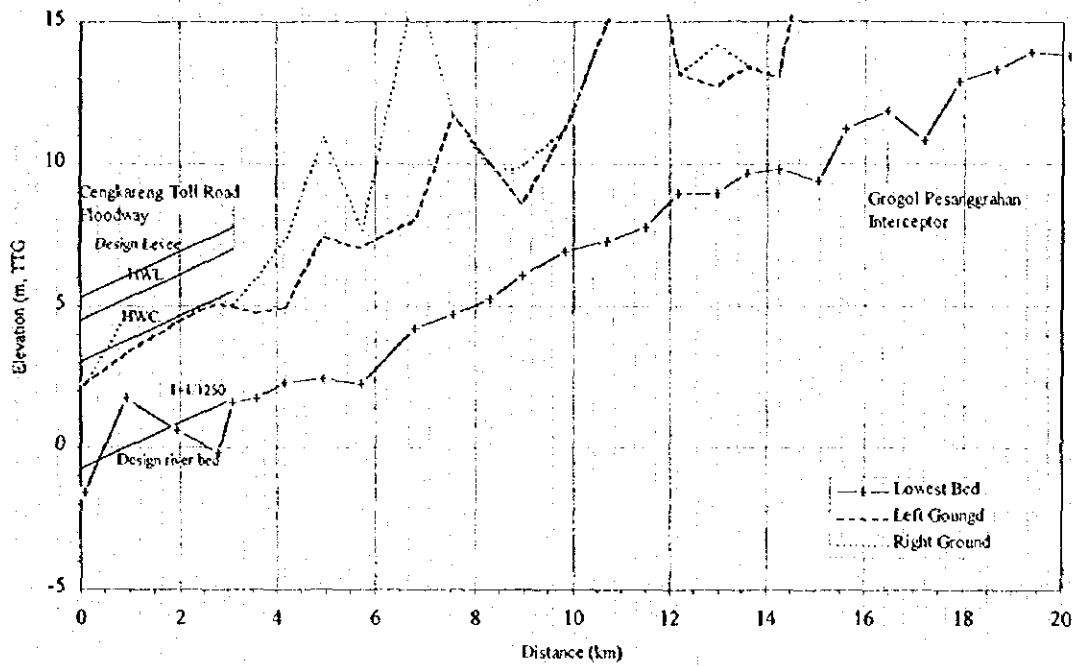


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (7/13)

CENGKARENG FLOODWAY SYSTEM (4/4)

PESANGGRAHAN RIVER



PESANGGRAHAN RIVER (Conf. with Cengkareng Floodway - Toll Jakarta-Merak)

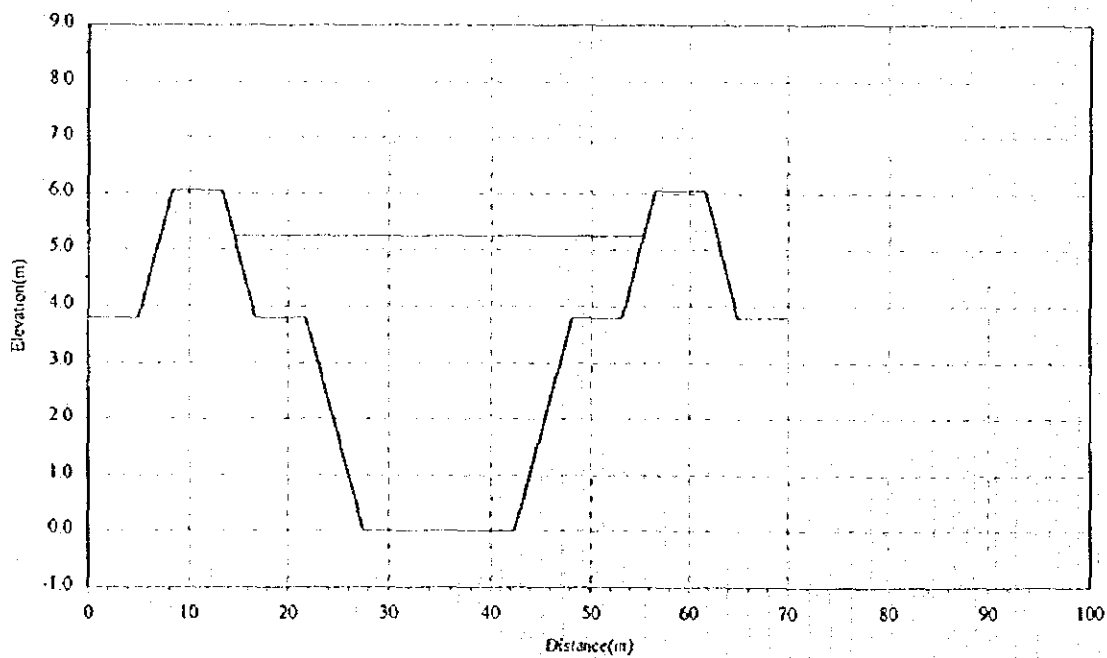
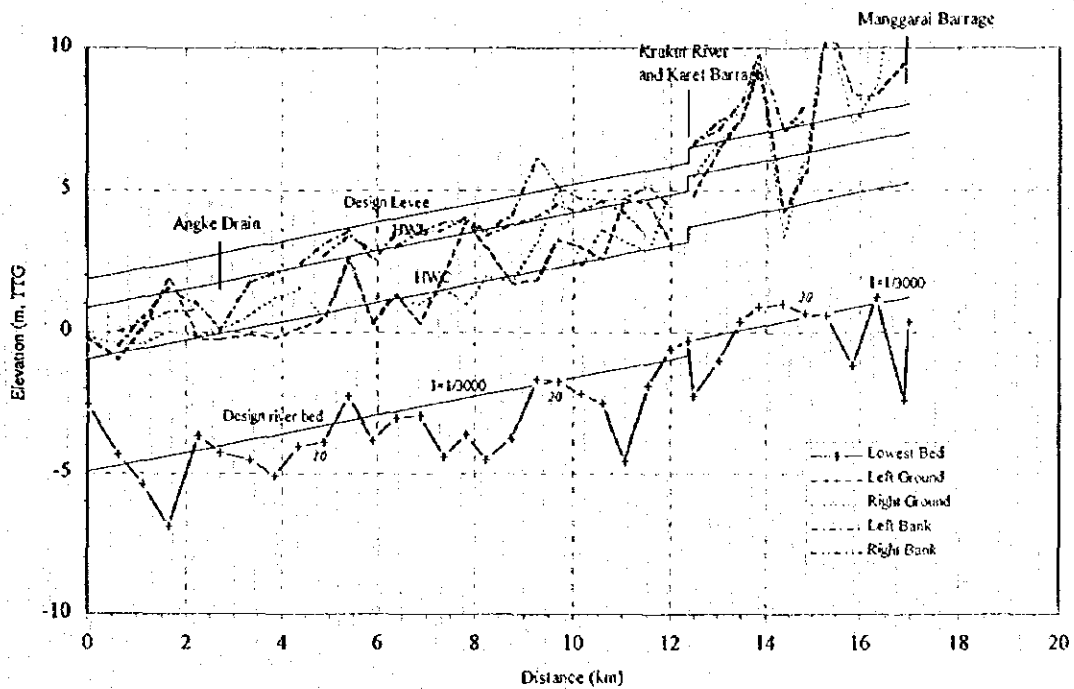


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (8/13)

WESTERN BANJIR CANAL SYSTEM

WESTERN BANJIR CANAL



WESTERN BANJIR CANAL

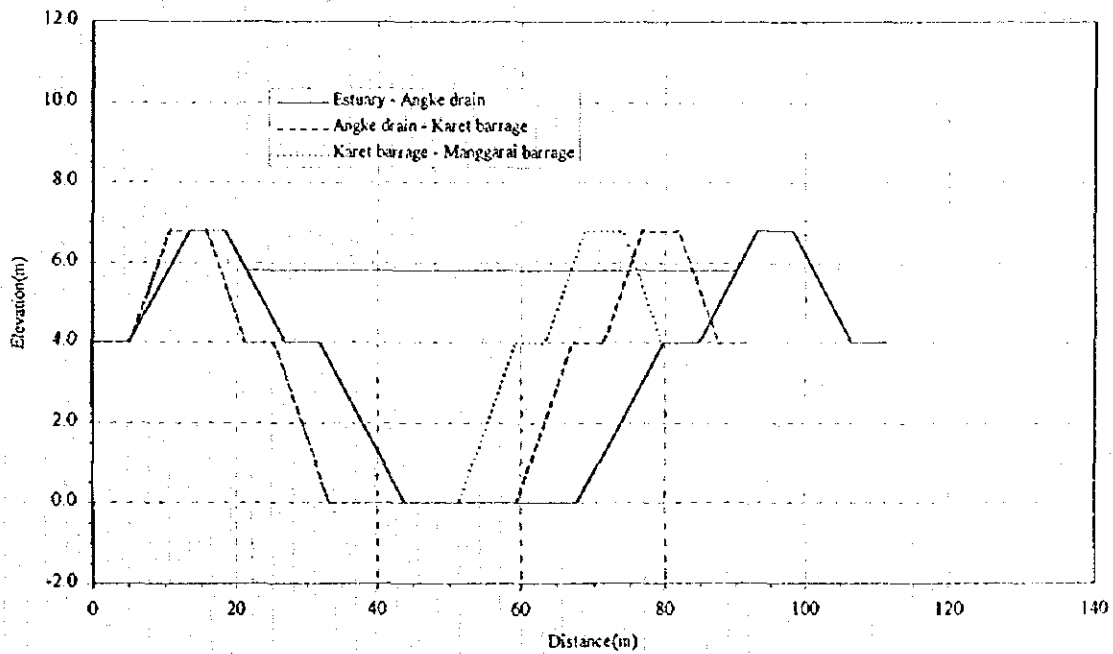
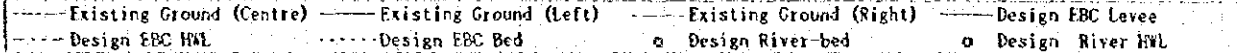


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (9/13)

Eastern Banjir Canal



EASTERN BANJIR CANAL

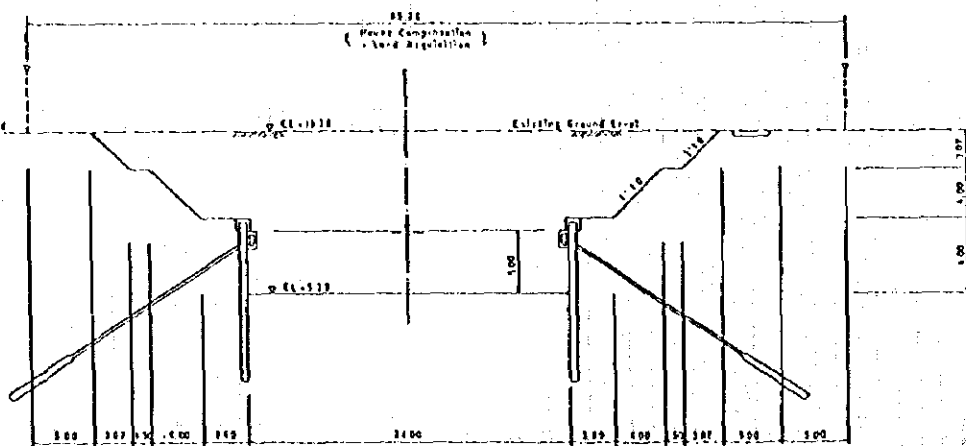
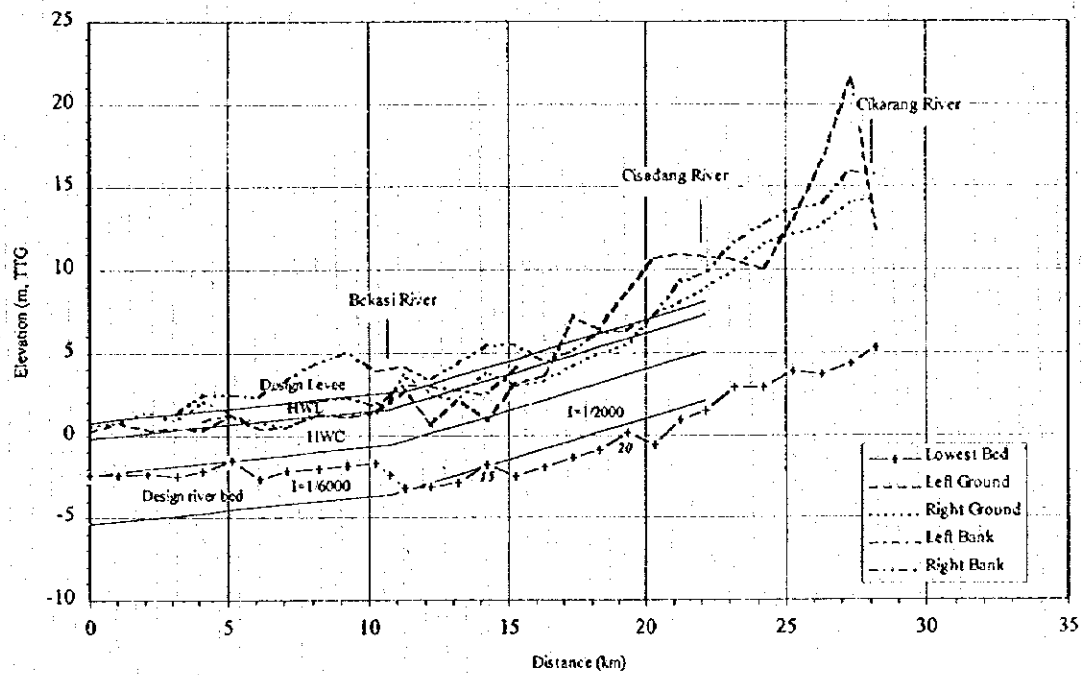


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS-SECTION (10/13)

CBL FLOODWAY SYSTEM (1/3)

CBL FLOODWAY



CBL FLOODWAY

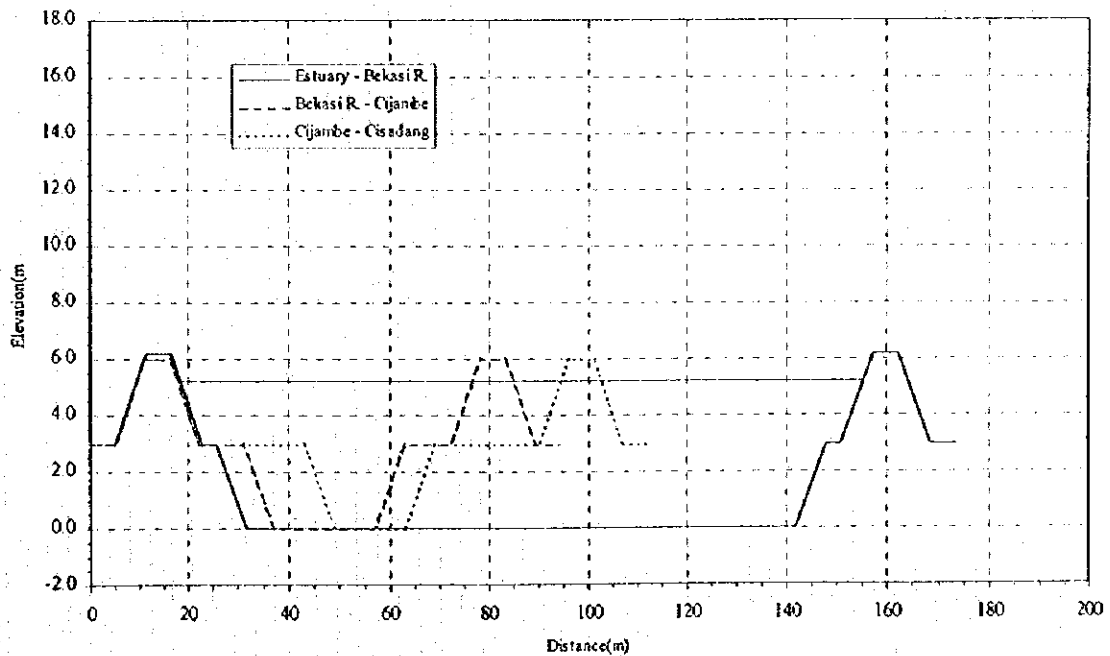
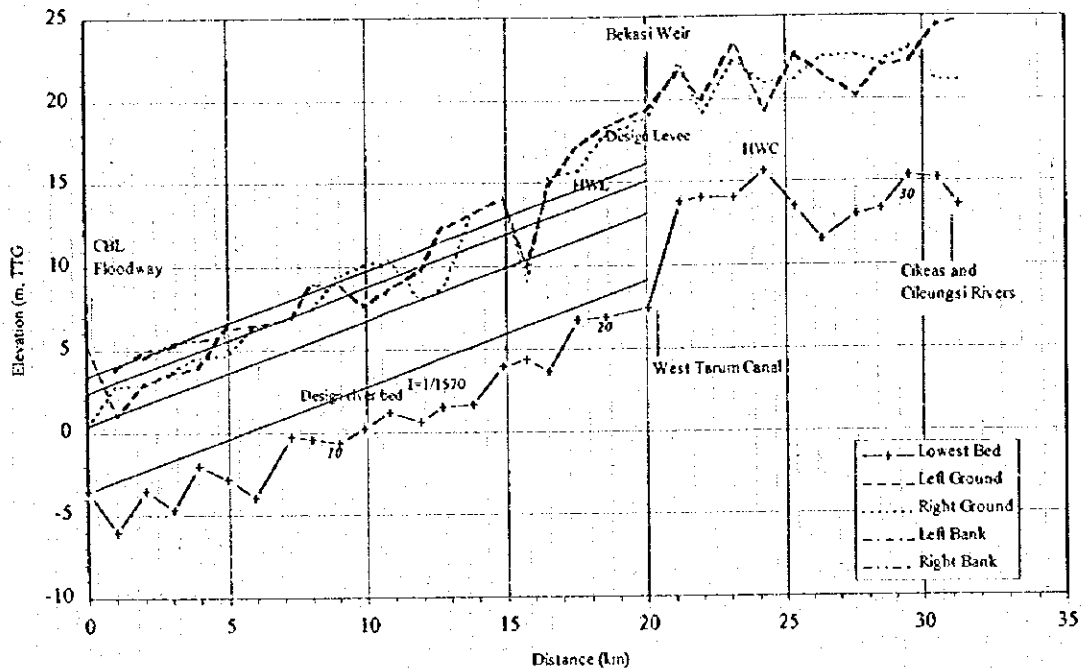


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (11/13)

CBL FLOODWAY SYSTEM (2/3)

BEKASI RIVER



BEKASI RIVER (Cont with CBL - Bekasi Weir)

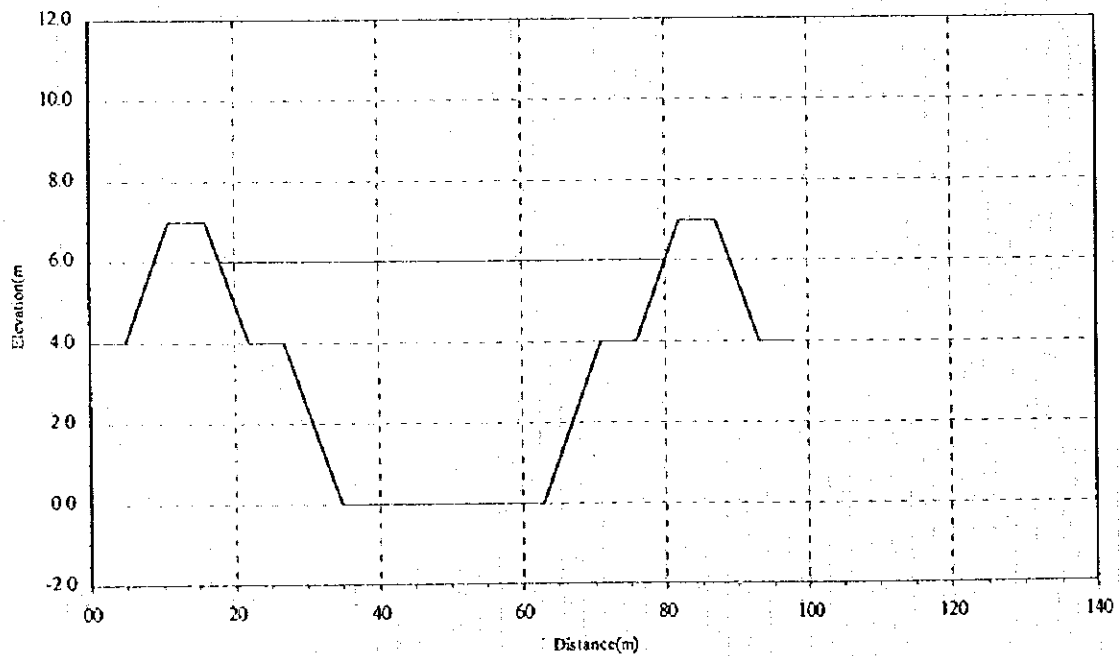
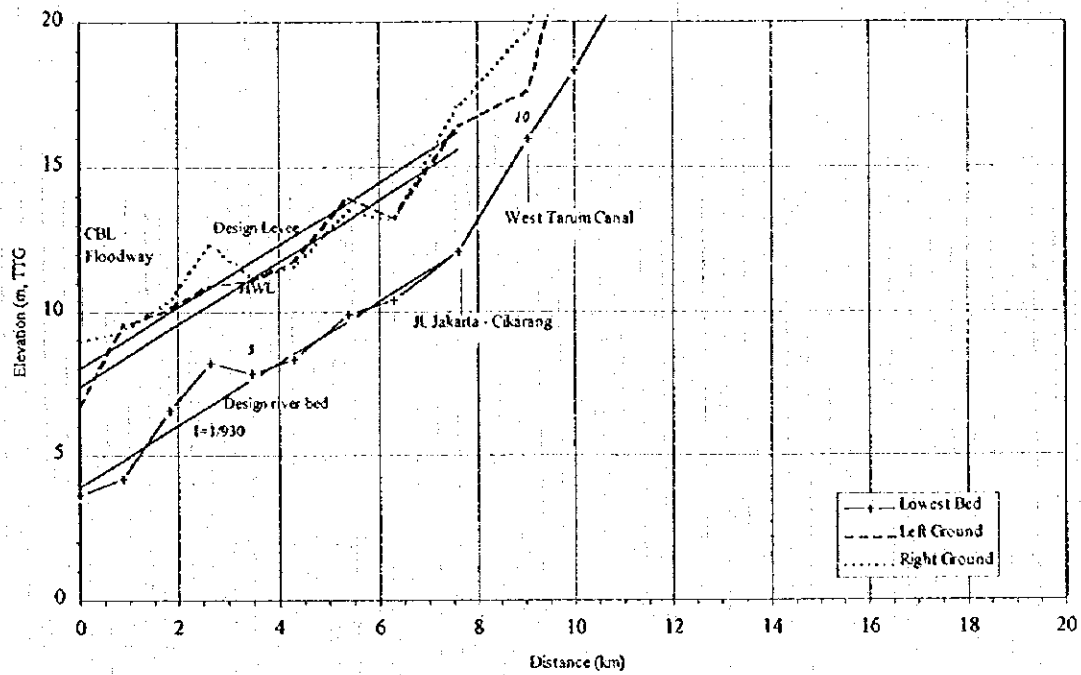


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (12/13)

CBL FLOODWAY SYSTEM (3/3)

CISADANG RIVER



CISADANG RIVER (Conf with CBL - Jl Jakarta-Cikarang)

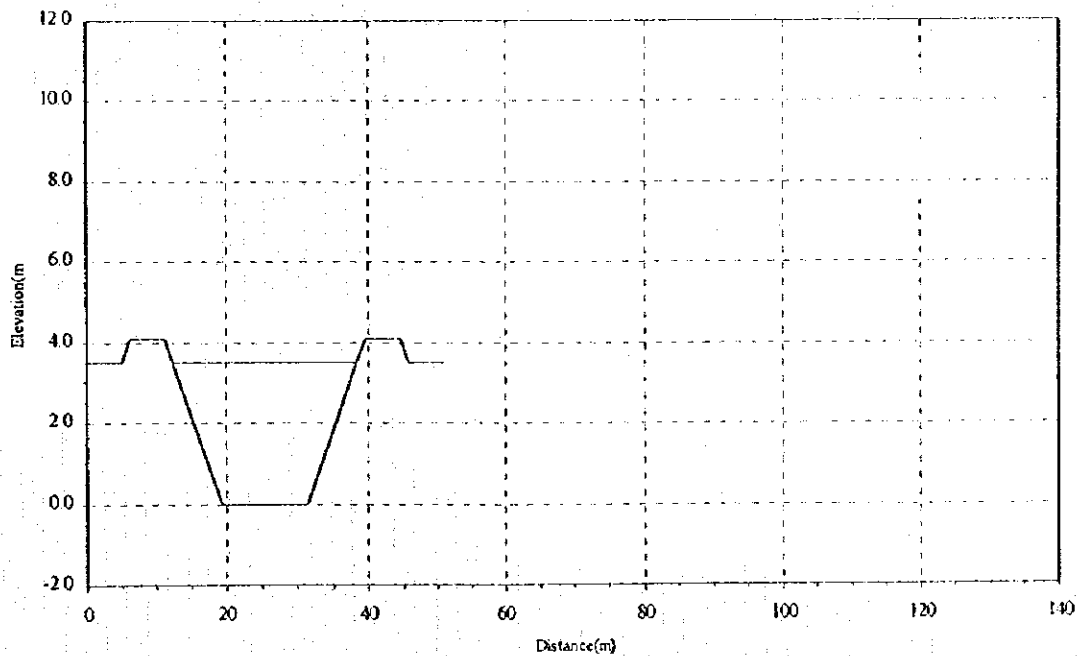
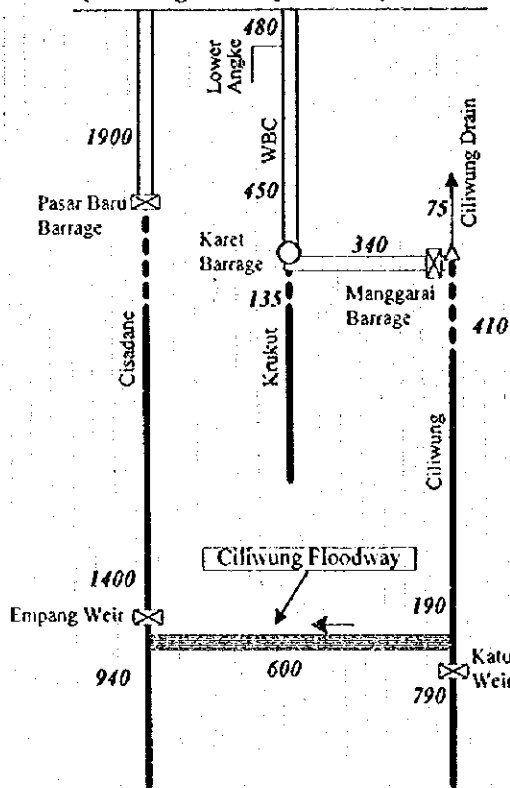
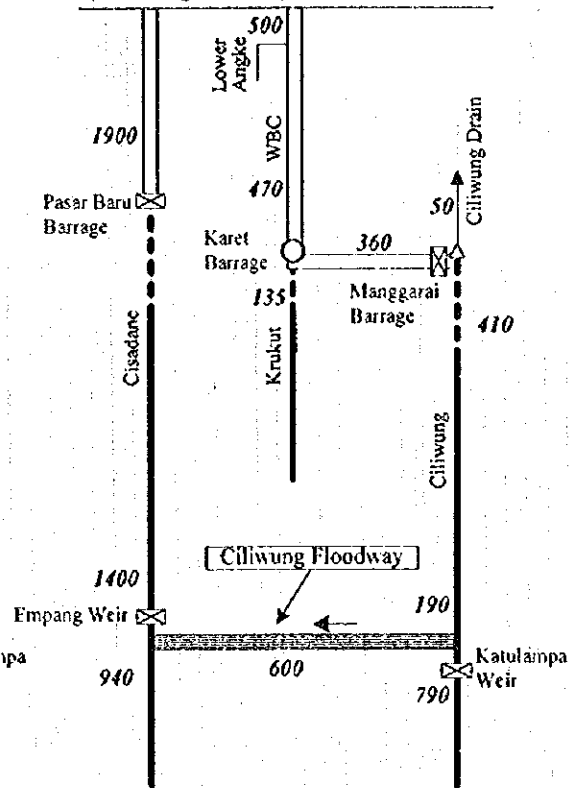


Figure 4.11 PROPOSED LONGITUDINAL PROFILE AND CROSS SECTION (13/13)

1) NEW MASTER PLAN (Original Plan)
(Ciliwung Drain $Q=75\text{m}^3/\text{s}$)



2) NEW MASTER PLAN (Revised Plan)
(Ciliwung Drain $Q=50\text{ m}^3/\text{s}$)



3) PRESENT DESIGN DISCHARGE DISTRIBUTION
(by NEDECO and West Jakarta Flood Control Project)
(Ciliwung Drain $Q=75\text{m}^3/\text{s}$)

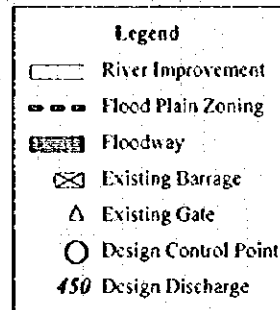
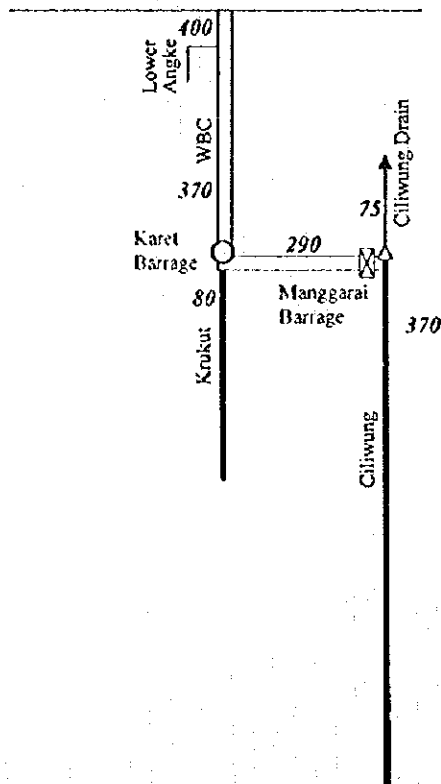


Figure 4.12
DESIGN DISCHARGE DISTRIBUTION AT MANGGARAI

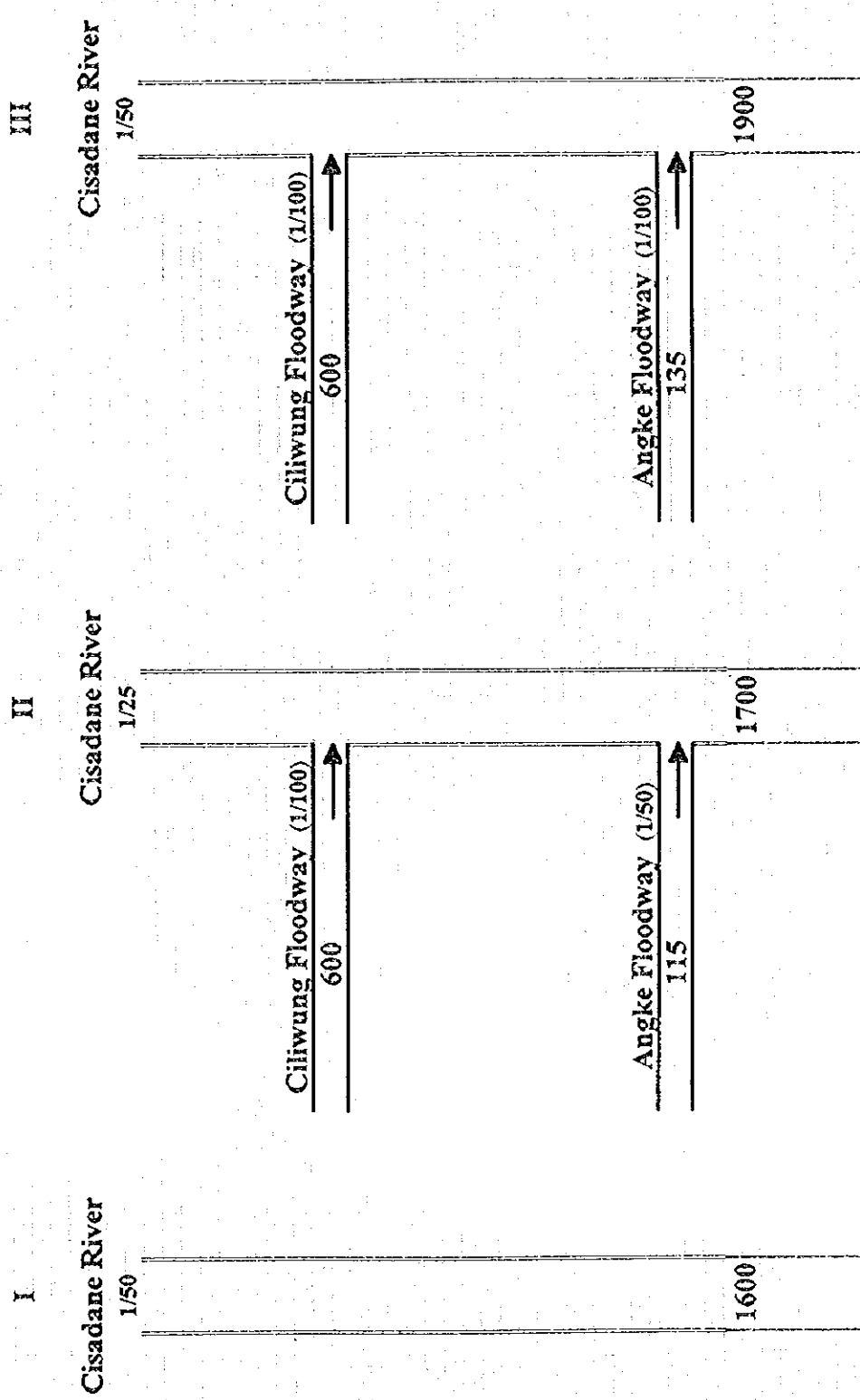


Figure 4.13 ALTERNATIVES OF DESIGN DISCHARGE DISTRIBUTION OF CISADANE RIVER

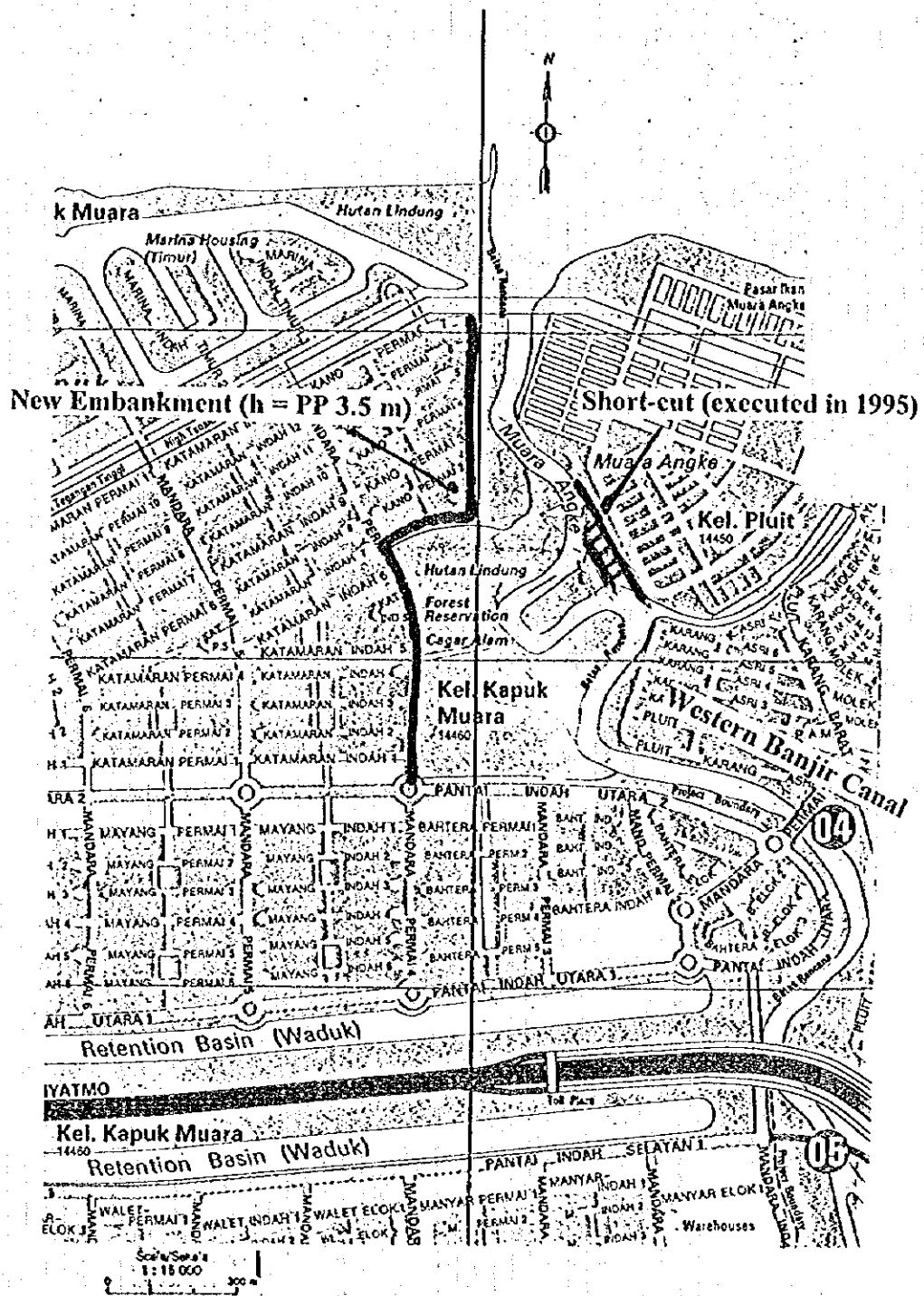
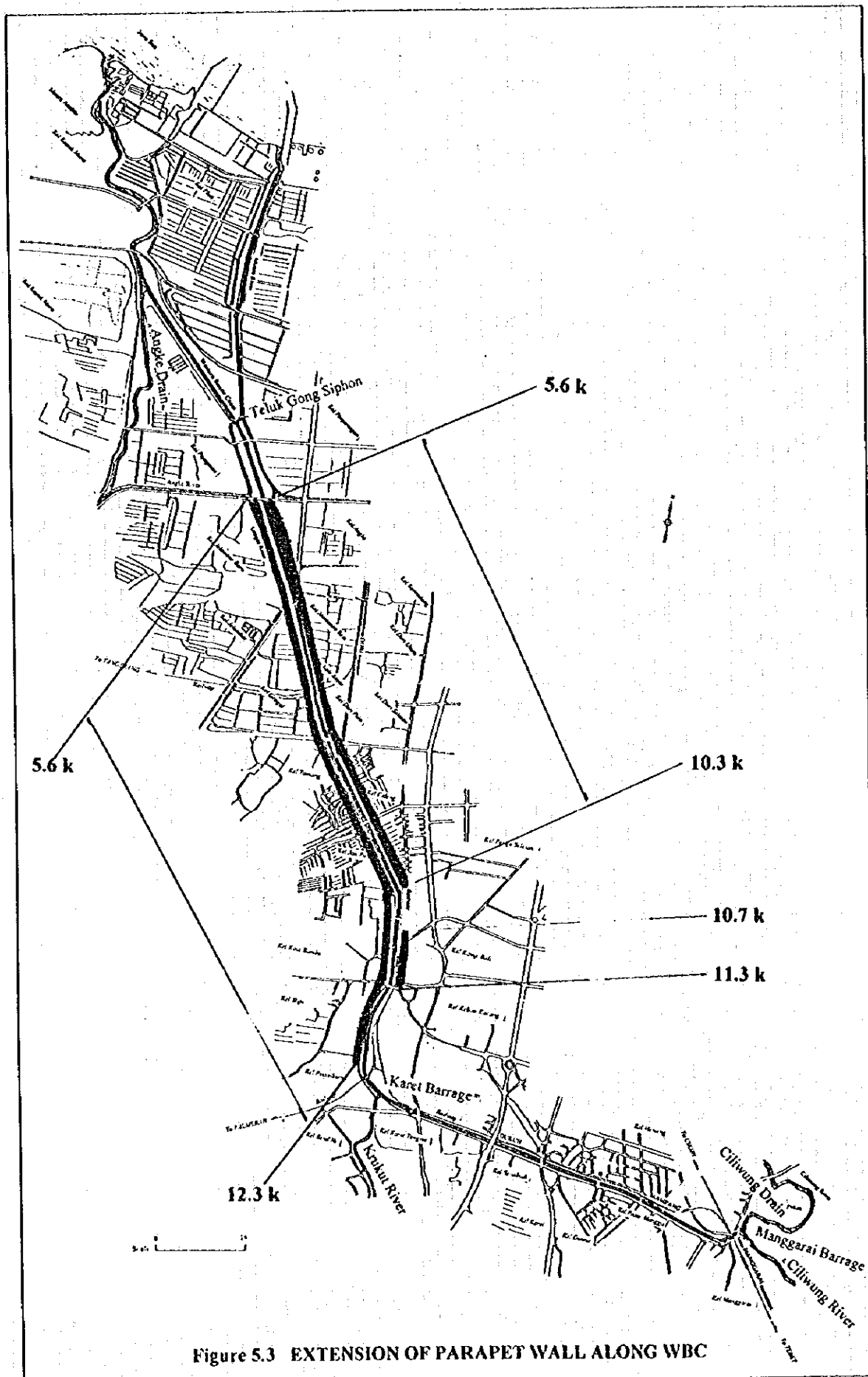


Figure 5.2 CONDITION NEAR ESTUARY OF WBC



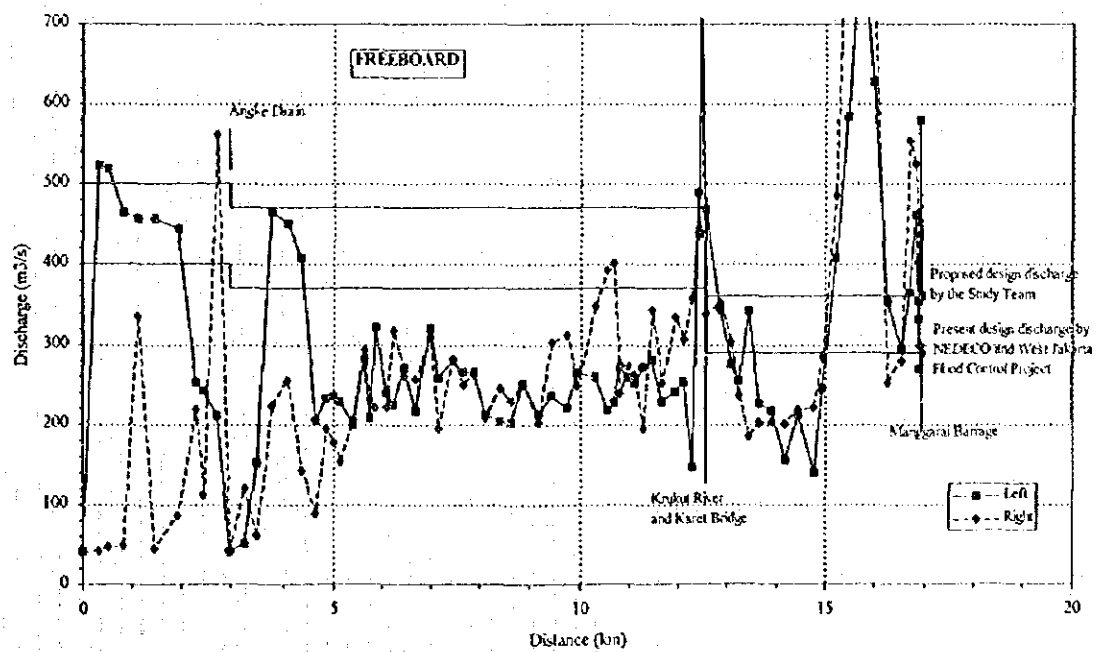
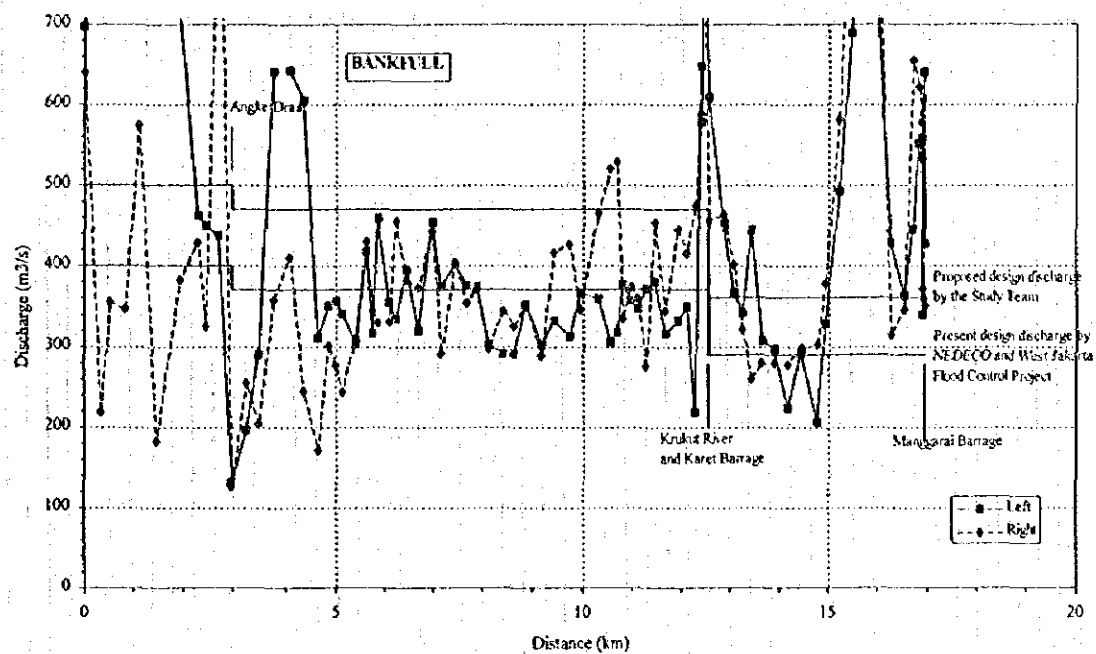


Figure 5.4 PRESENT CARRYING CAPACITY OF WBC (1/2)

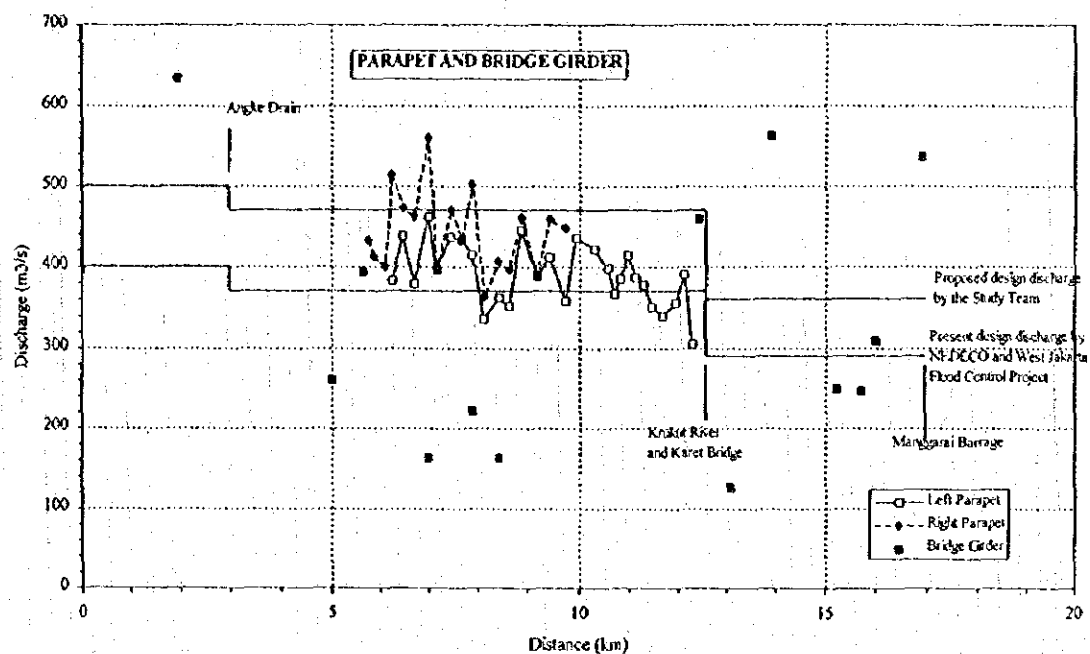


Figure 5.4 PRESENT CARRYING CAPACITY OF WBC (2/2)

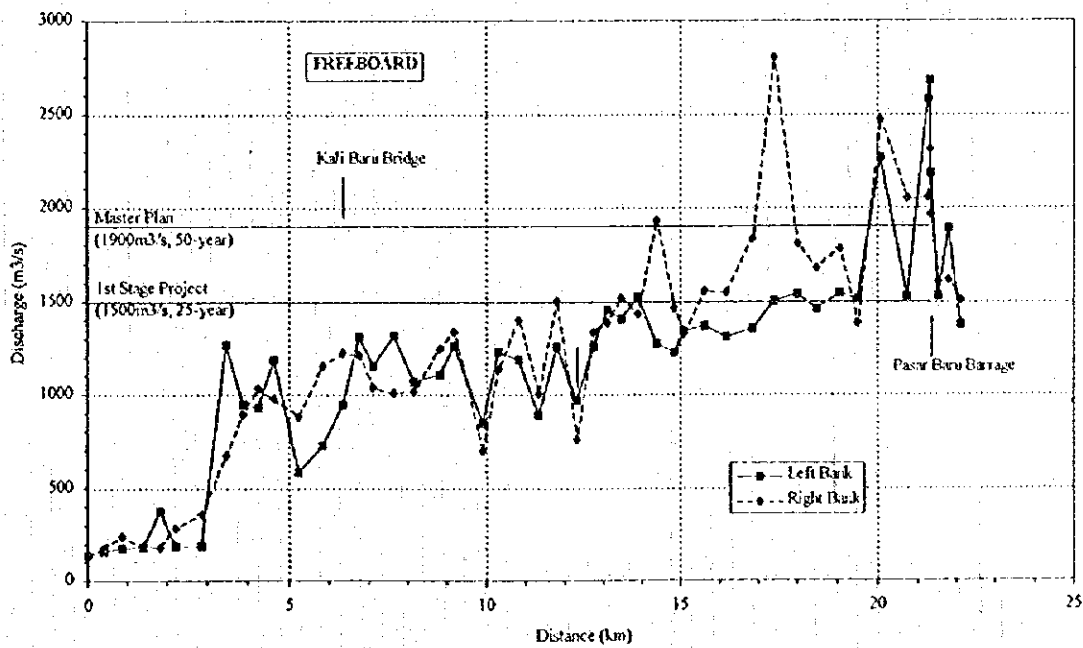
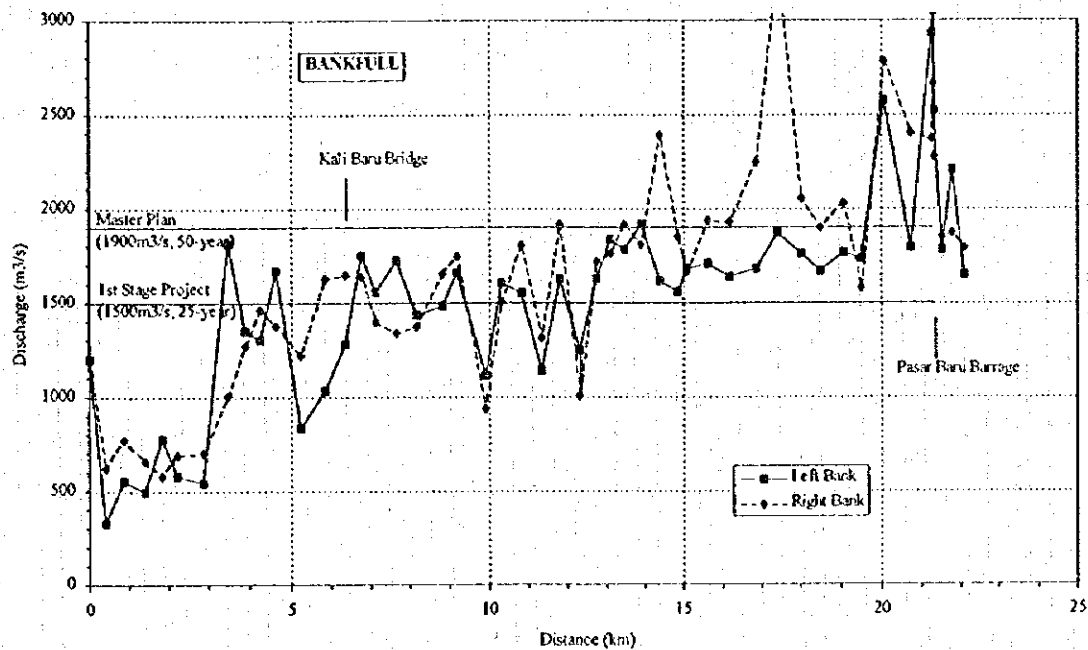
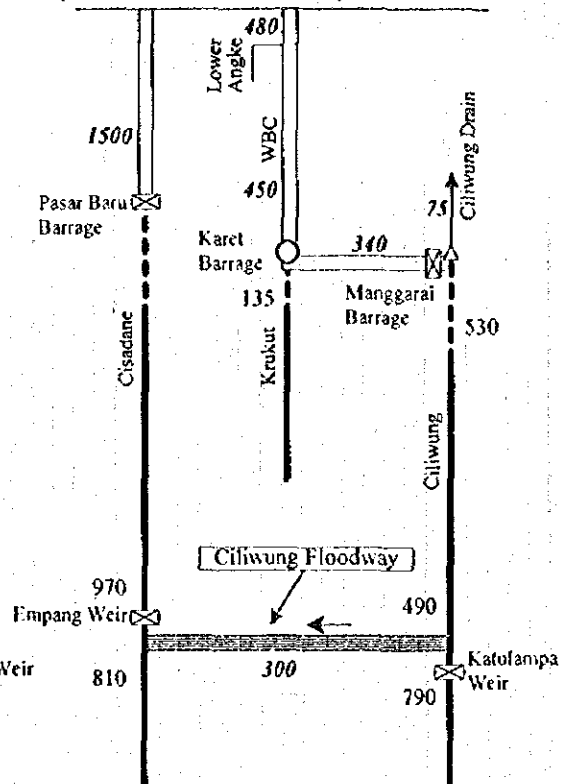








Figure 5.5 PRESENT CARRYING CAPACITY OF CISADANE RIVER

**Alt.2' WBC 1/100, Ciliwung Floodway 300m³/s
(Construction of 2 tunnels), Cisadane 1/25**



Legend

-  River Improvement
-  Flood Plain Zoning
-  Floodway
-  Existing Barrage
-  Existing Gate
-  Design Control Point
- 410 Calculated Discharge
- 340 Design Discharge

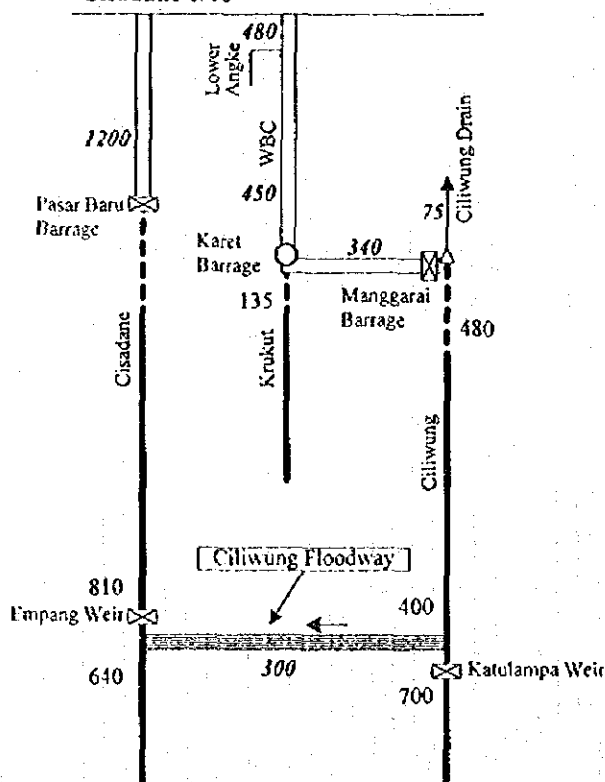
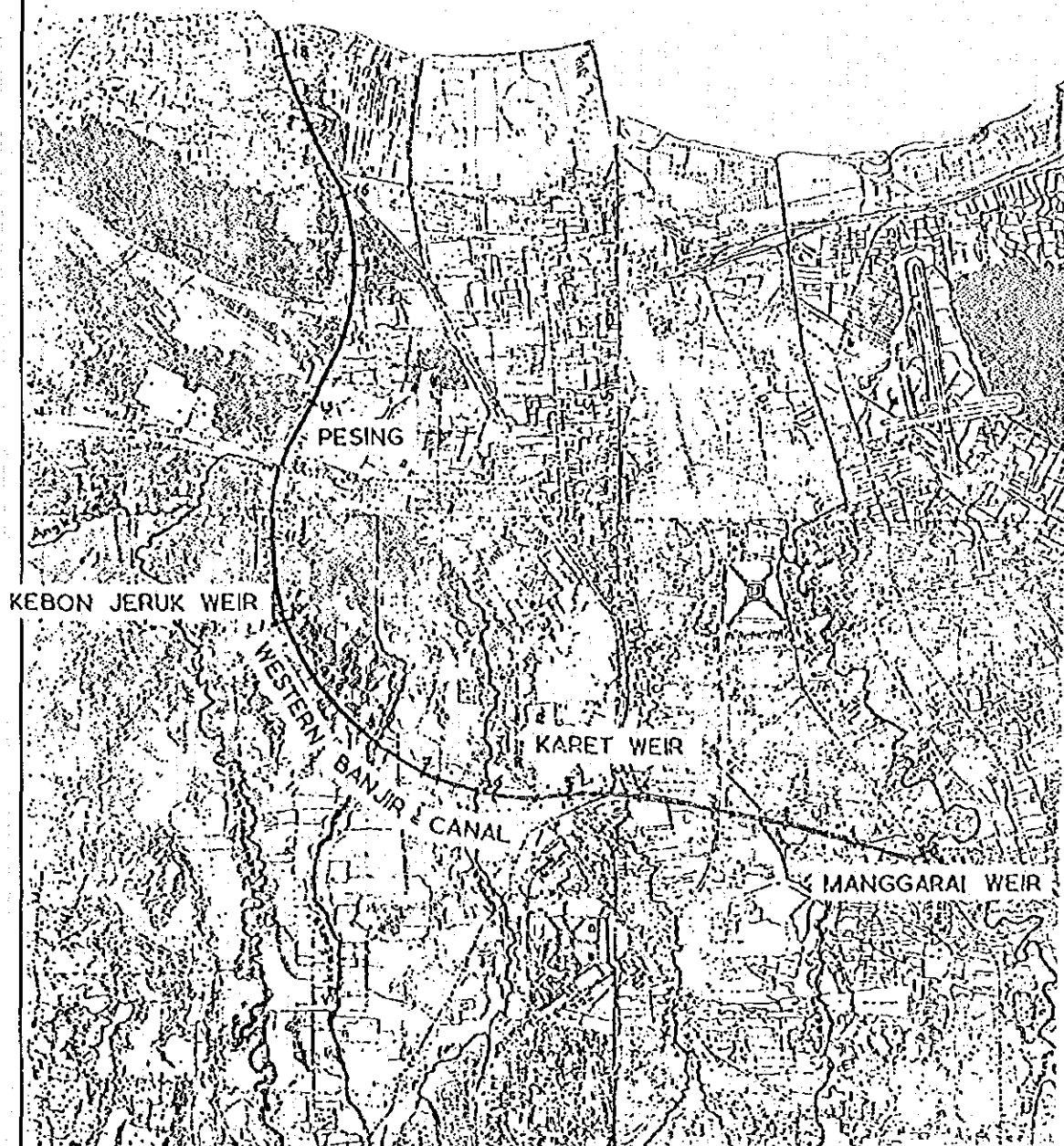


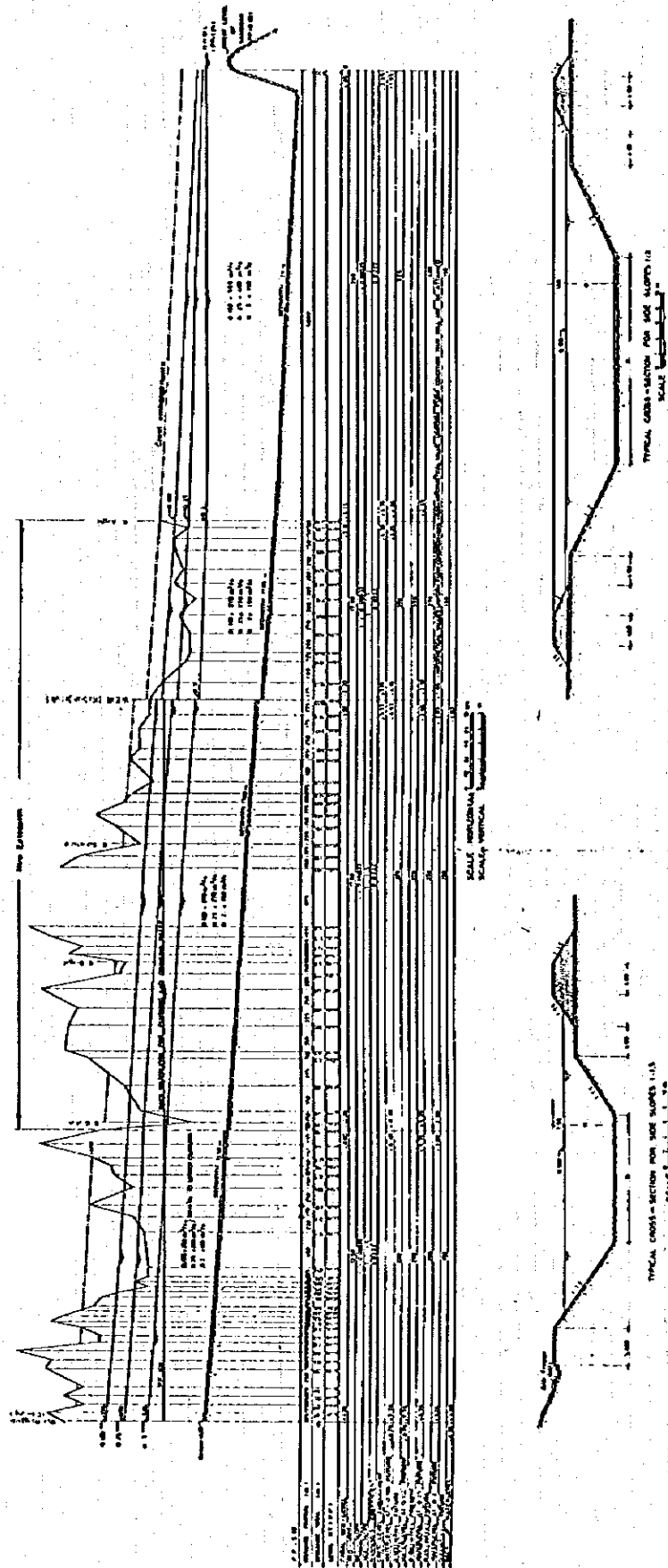
Figure 5.6 ALTERNATIVE SCHEMES FOR URGENT FLOOD CONTROL PROJECT

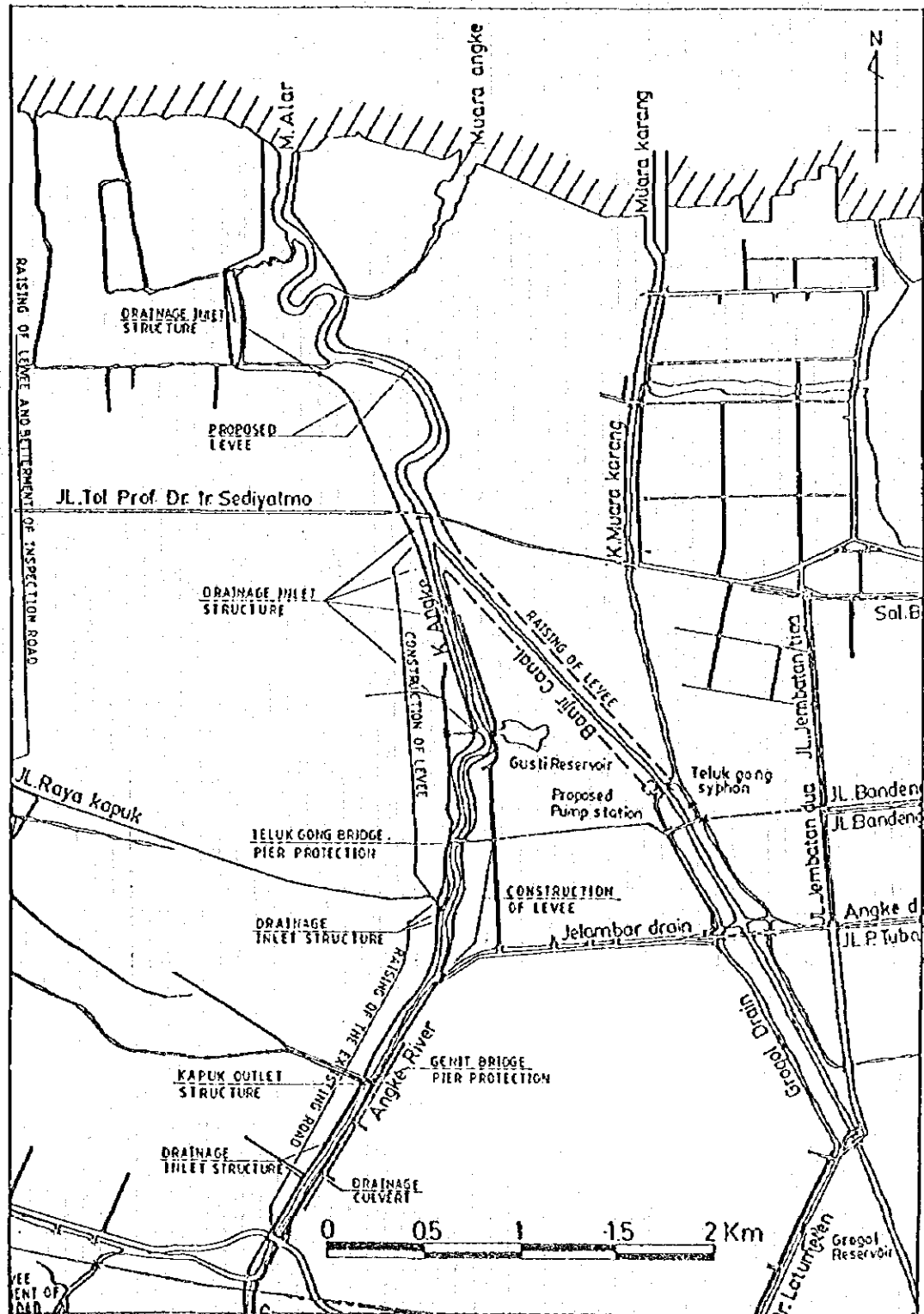


Source : Masterplan for Drainage and Flood Control of Jakarta (NEDECO, 1973)

Figure 5.7 ALIGNMENT OF WBC BY NEDECO

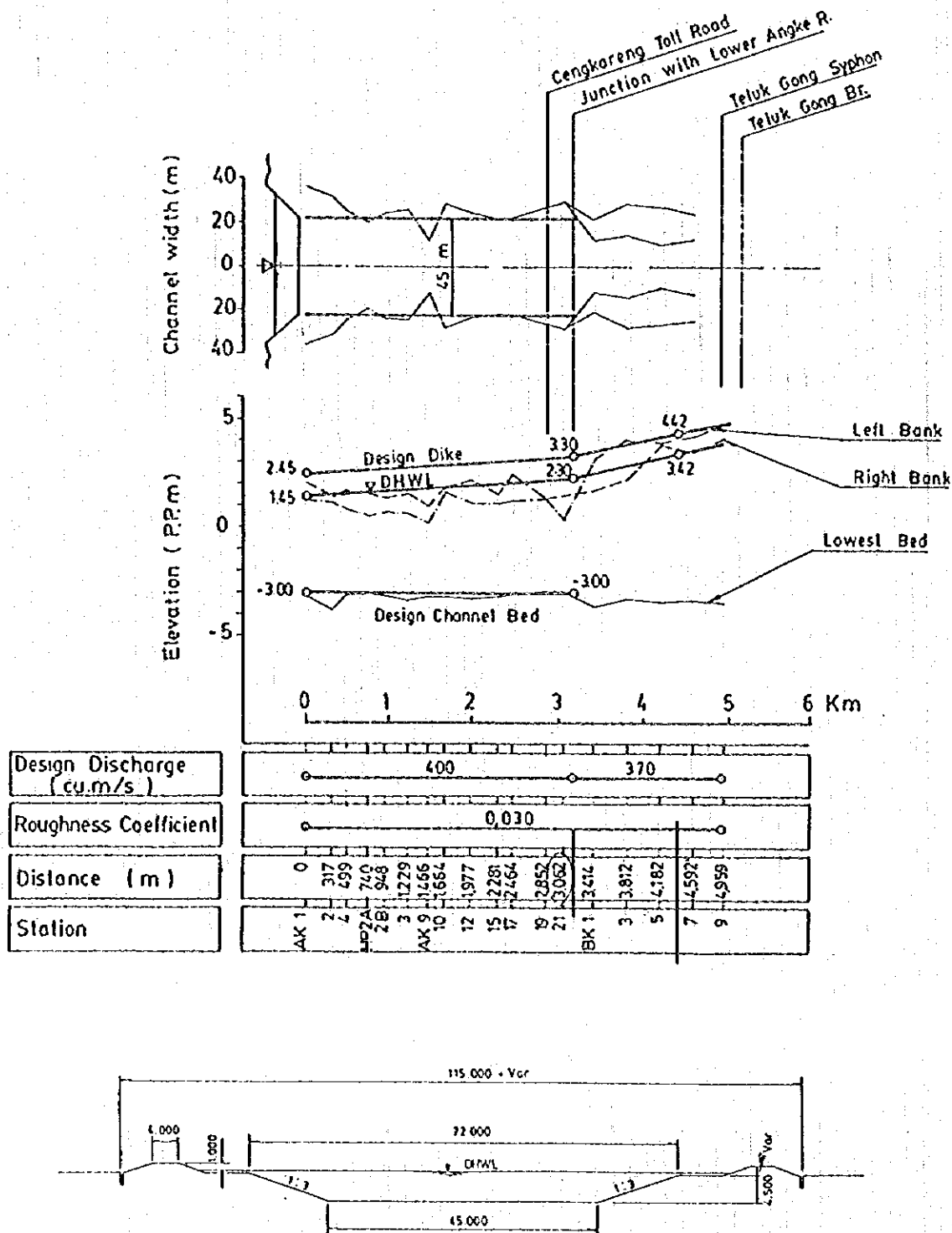
EXTENSION OF WESTERN BANJUR CANAL





Source : Review of Detailed Design and Economic Study for West Jakarta Flood Control System Project (III) (1990)

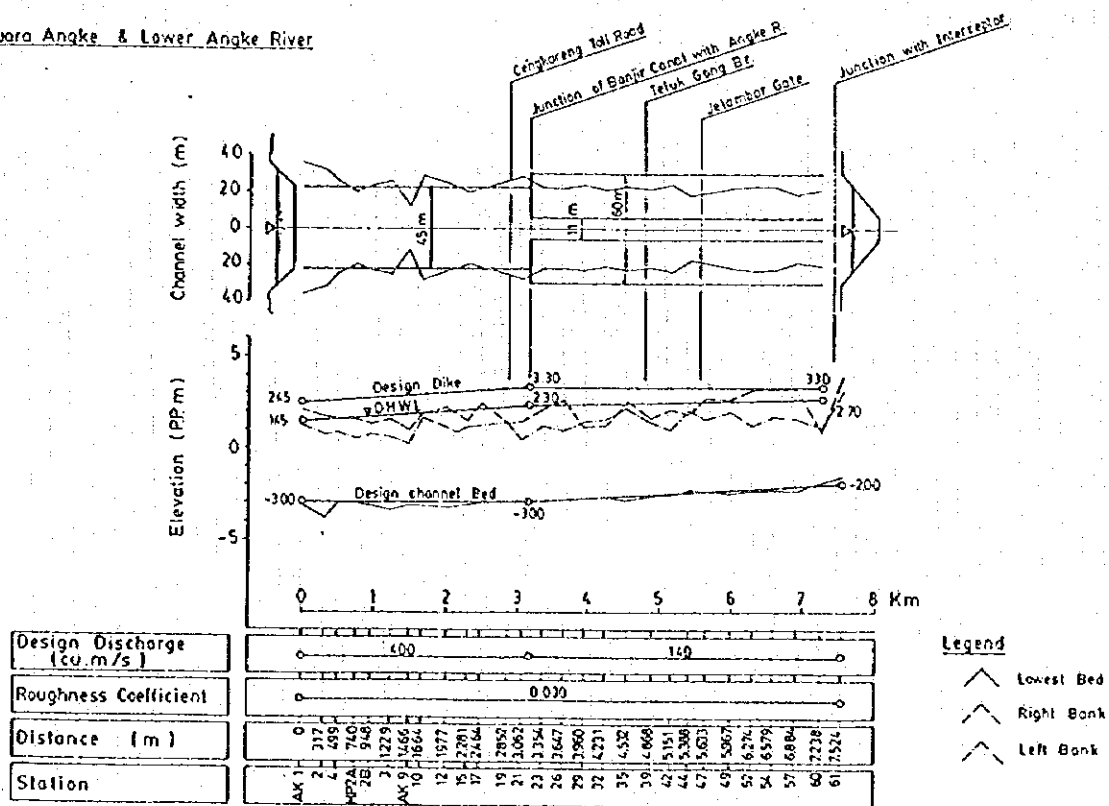
Figure 5.9 ALIGNMENT OF WBC BY PRESENT DETAILED DESIGN



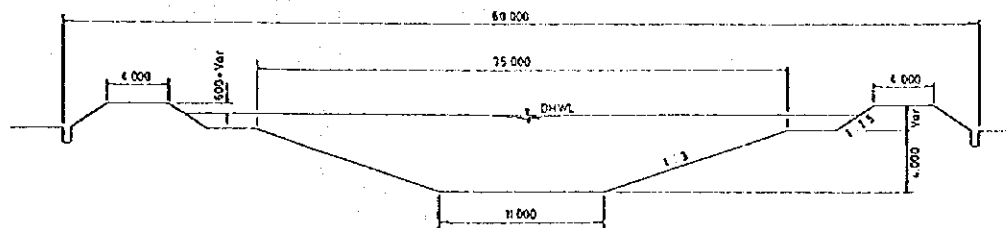
Source : Review of Detailed Design and Economic Study for West Jakarta Flood Control System Project (III) (1990)

Figure 5.10 LONGITUDINAL PROFILE OF WBC BY PRESENT DETAILED DESIGN

Muara Angke & Lower Angke River

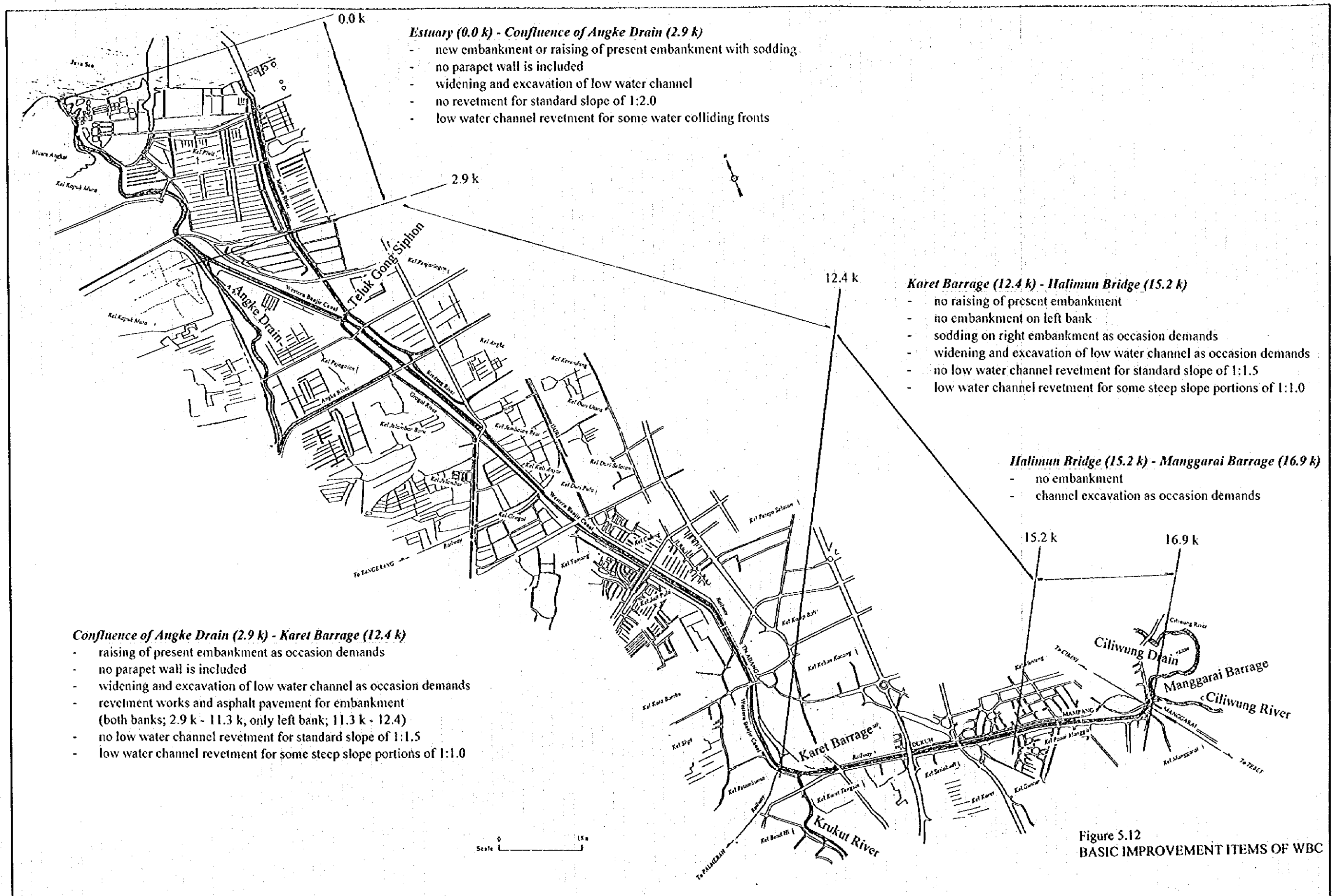


Standard Channel Section of Lower Angke River



Source : Review of Detailed Design and Economic Study for West Jakarta Flood Control System Project (III) (1990)

Figure 5.11 LONGITUDINAL PROFILE OF WBC AND LOWER ANGKE BY PRESENT DETAILED DESIGN



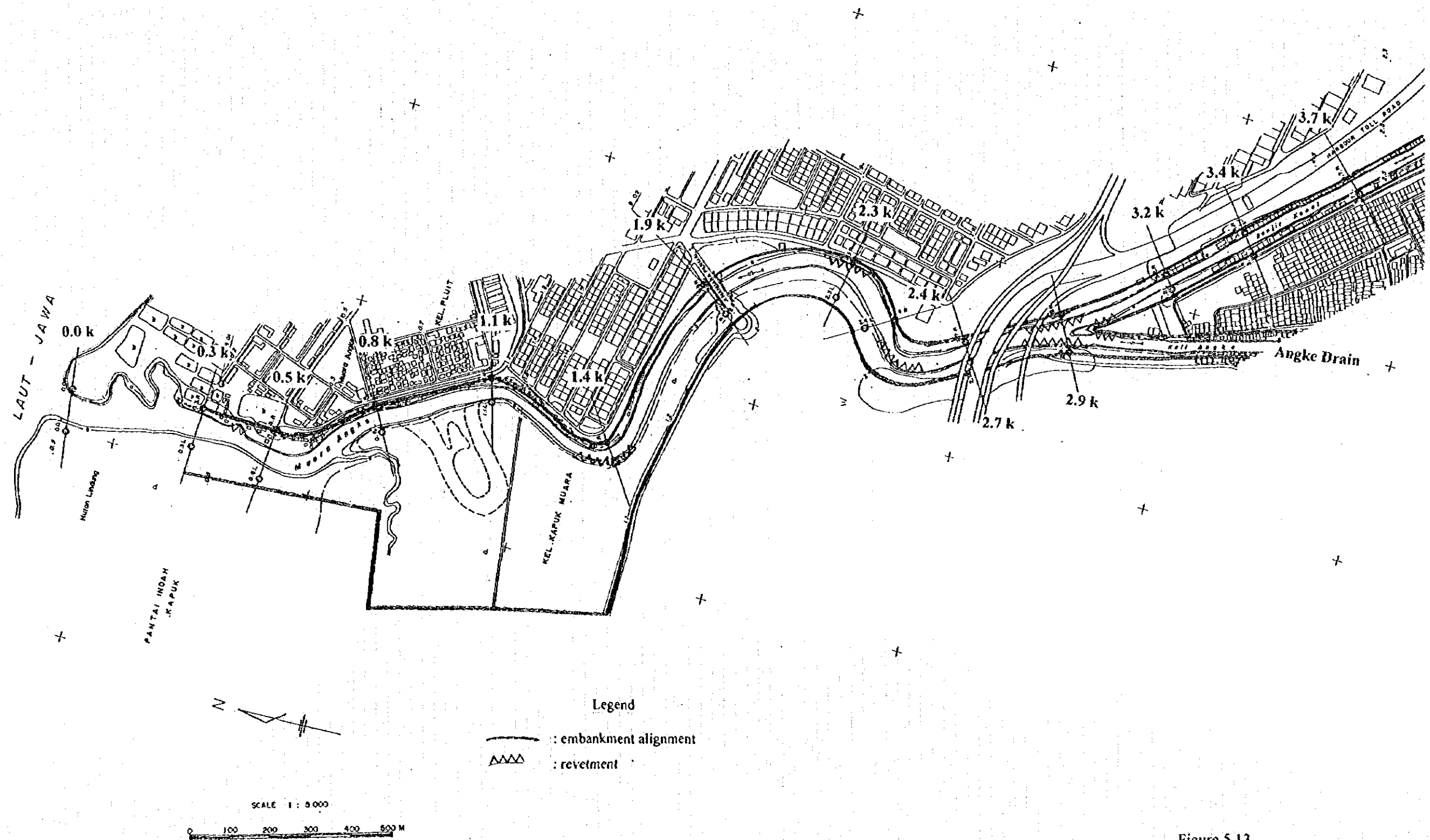


Figure 5.13
PROPOSED ALIGNMENT OF WBC (1/5)

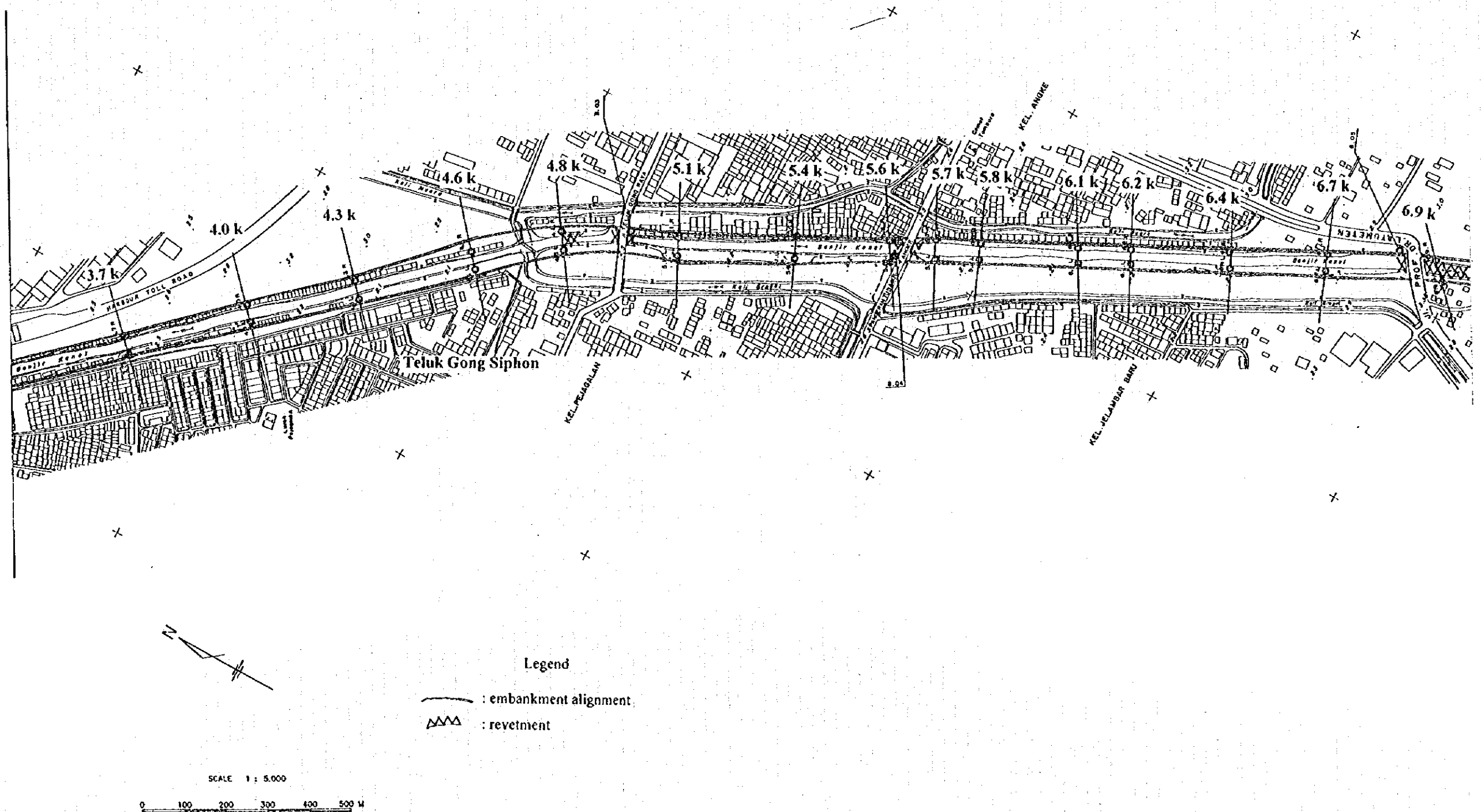


Figure 5.13
PROPOSED ALIGNMENT OF WBC (2/5)

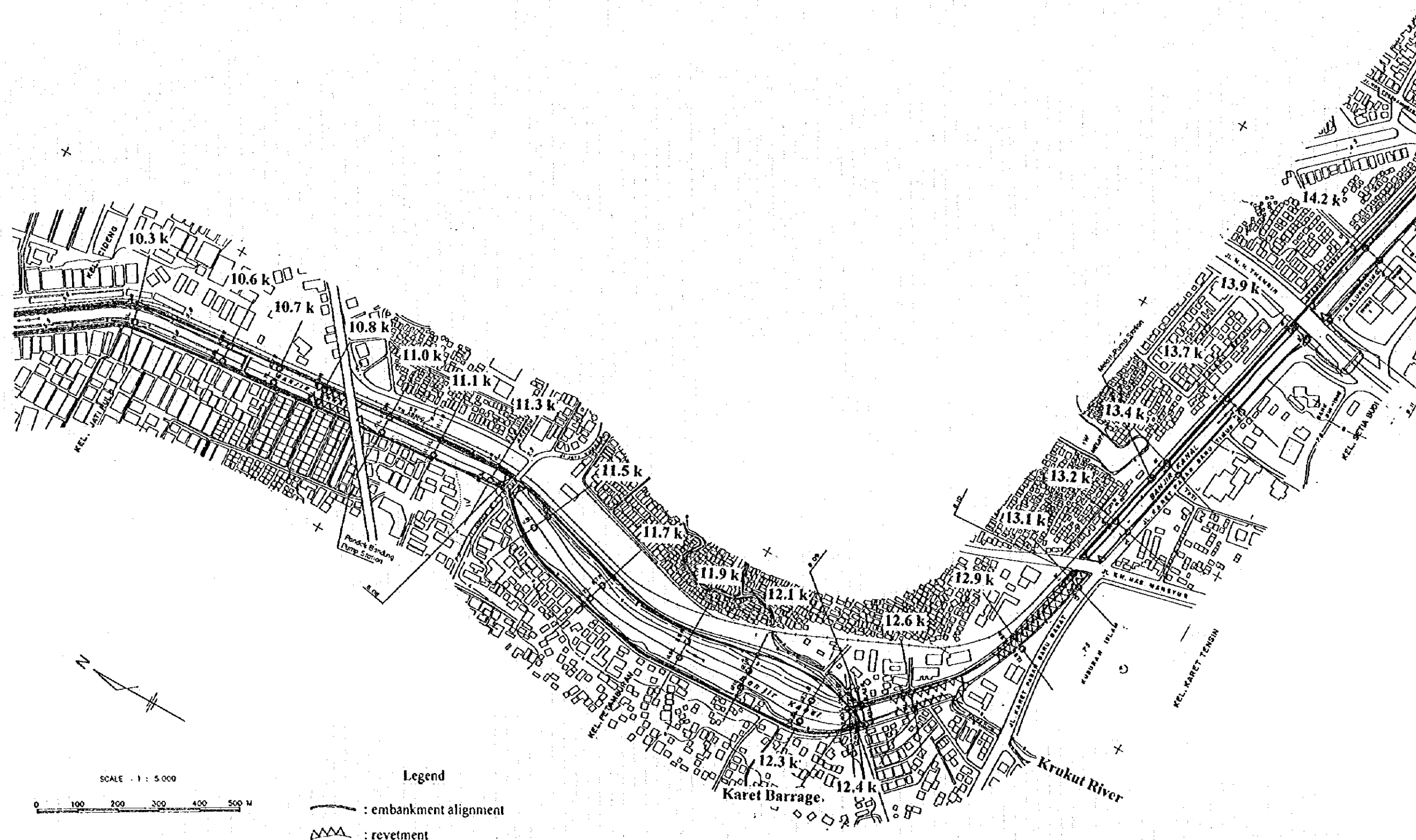


Figure 5.13
PROPOSED ALIGNMENT OF WBC (4/5)

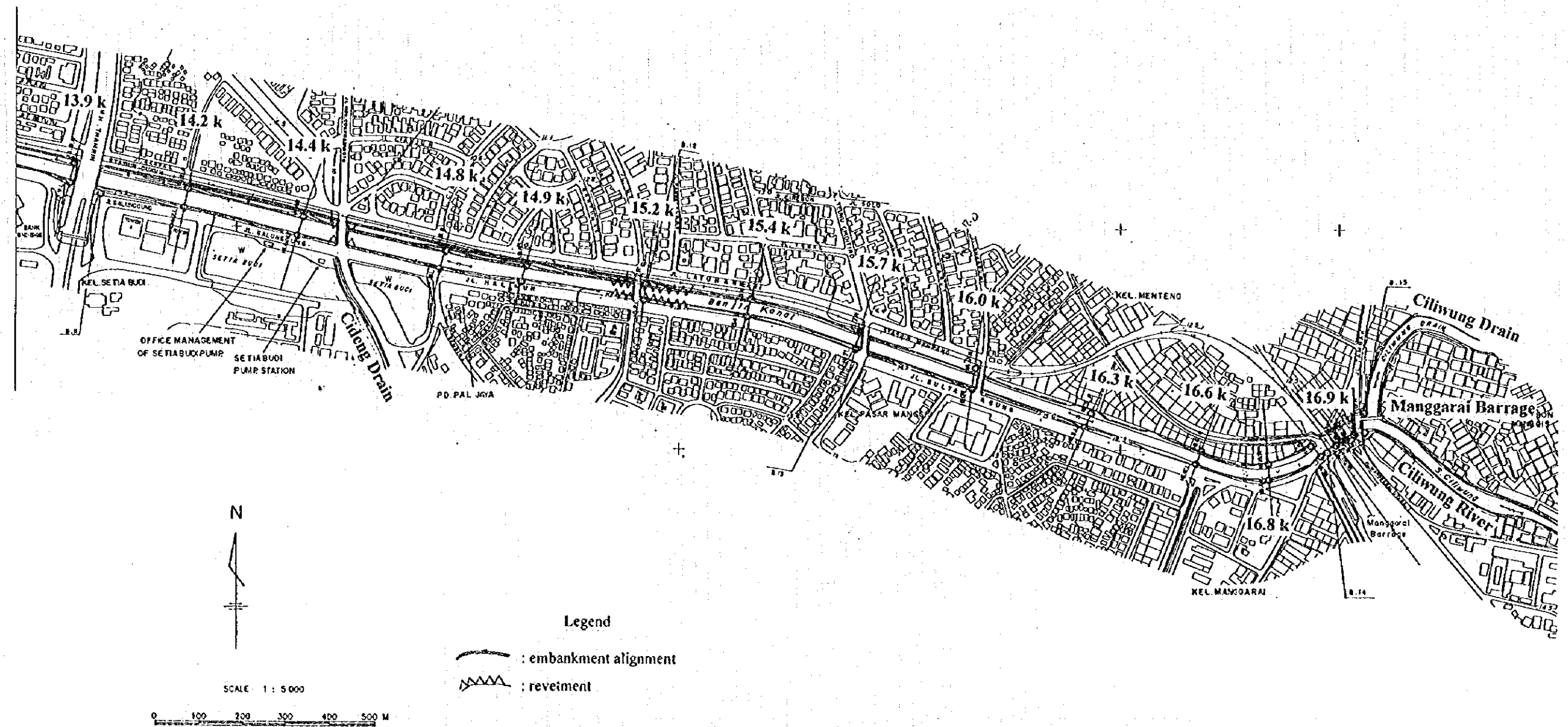


Figure 5.13
PROPOSED ALIGNMENT OF WBC (5/5)

