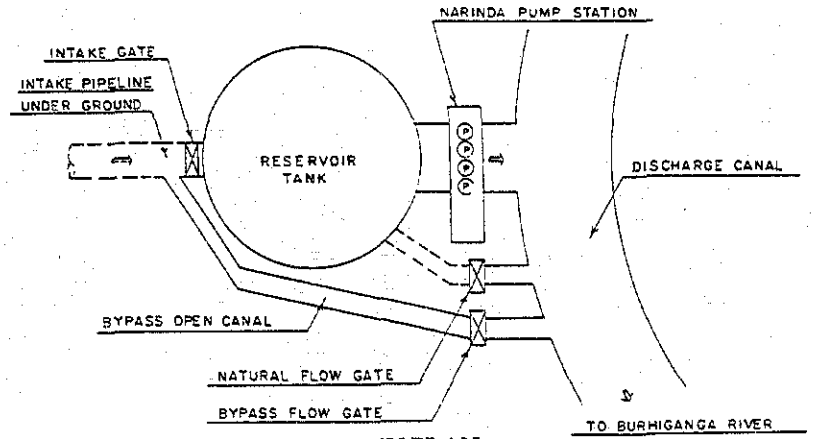
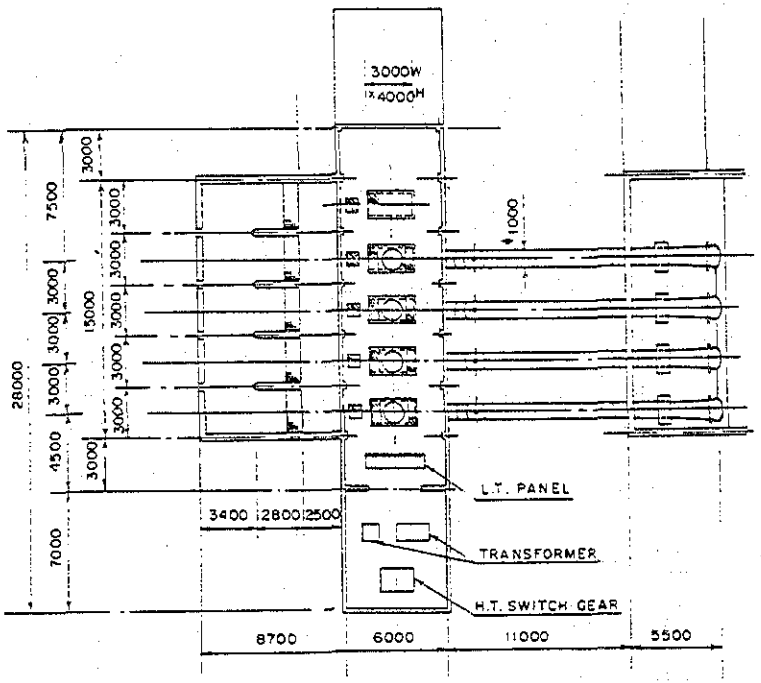
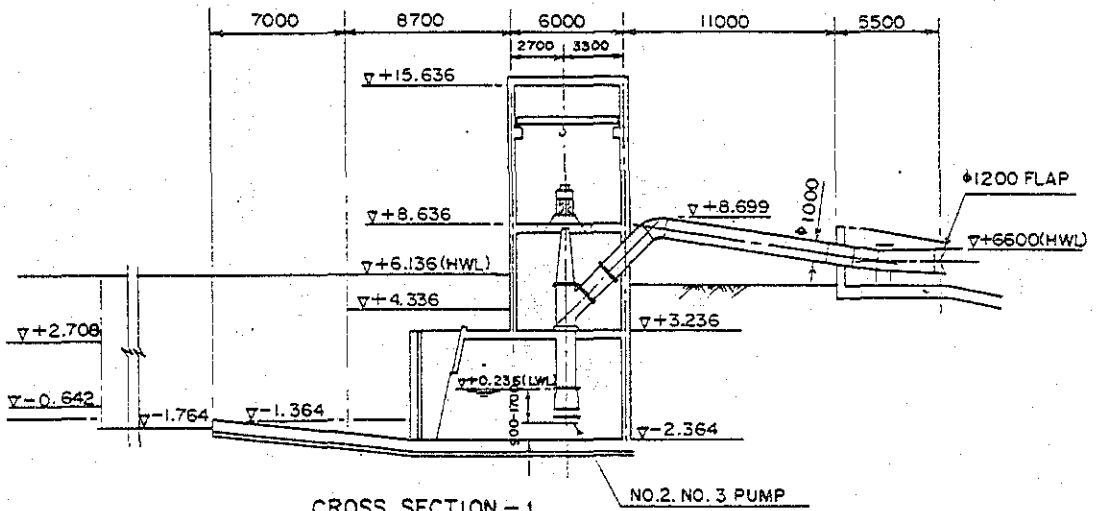


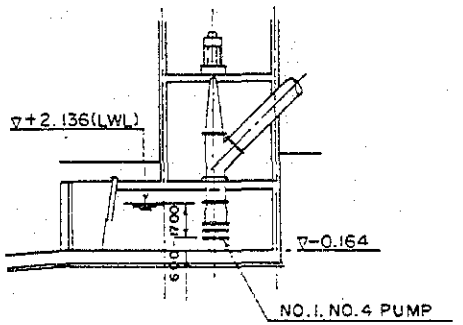
KEY PLAN



PLAN VIEW



CROSS SECTION – 1



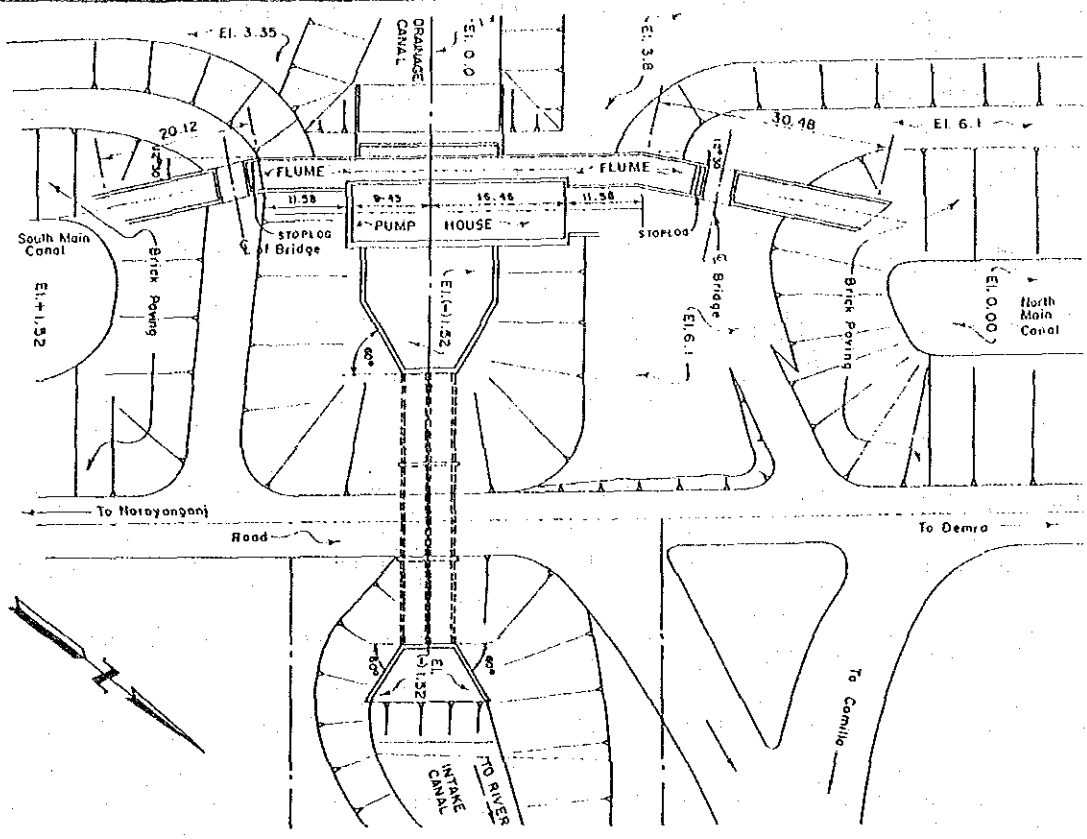
CROSS SECTION – 2

H - 63

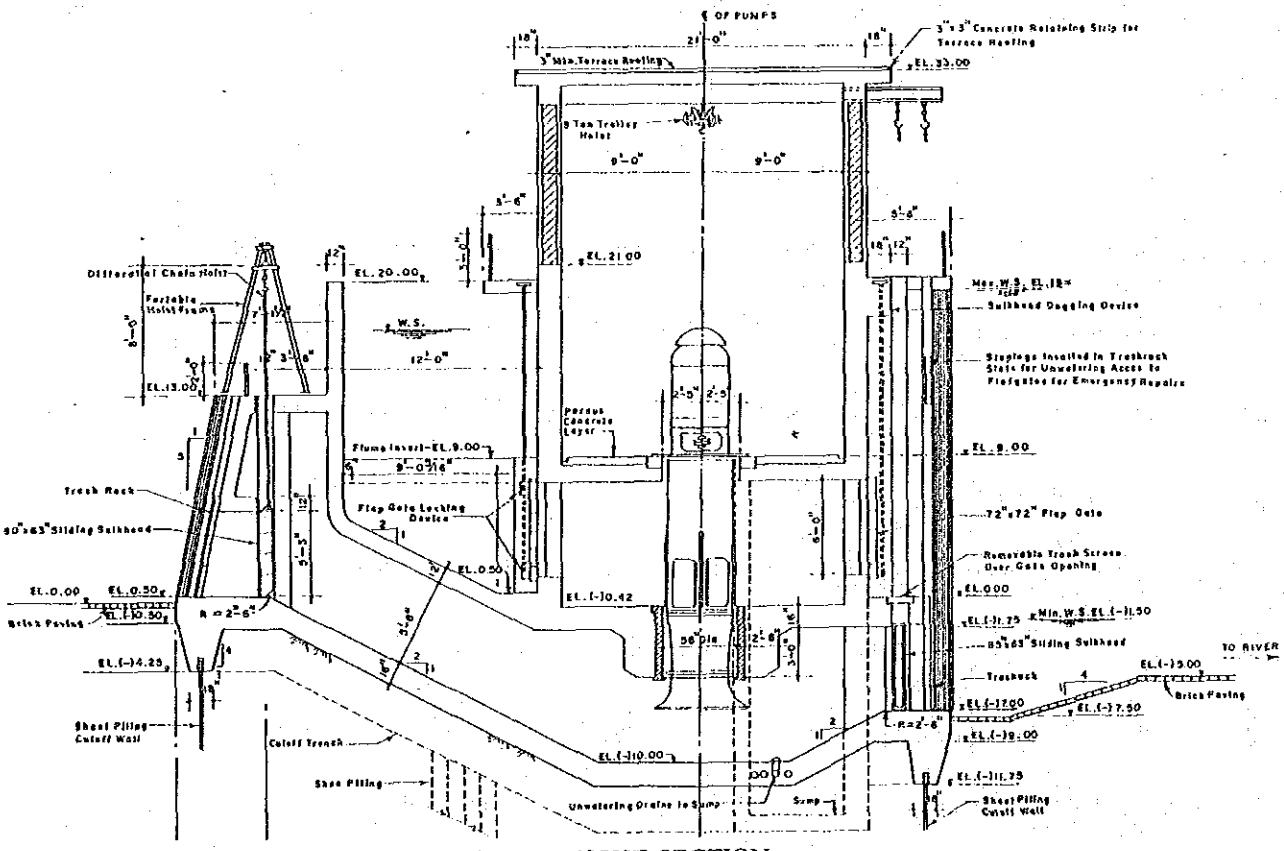
JICA

FIG. H.5 EXISTING NARINDA PUMPING STATION

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



KEY PLAN FOR PUMPING PLANT



PUMP HOUSE-SECTION

FIG. H.6 EXISTING DEMRA PUMPING STATION

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

JICA

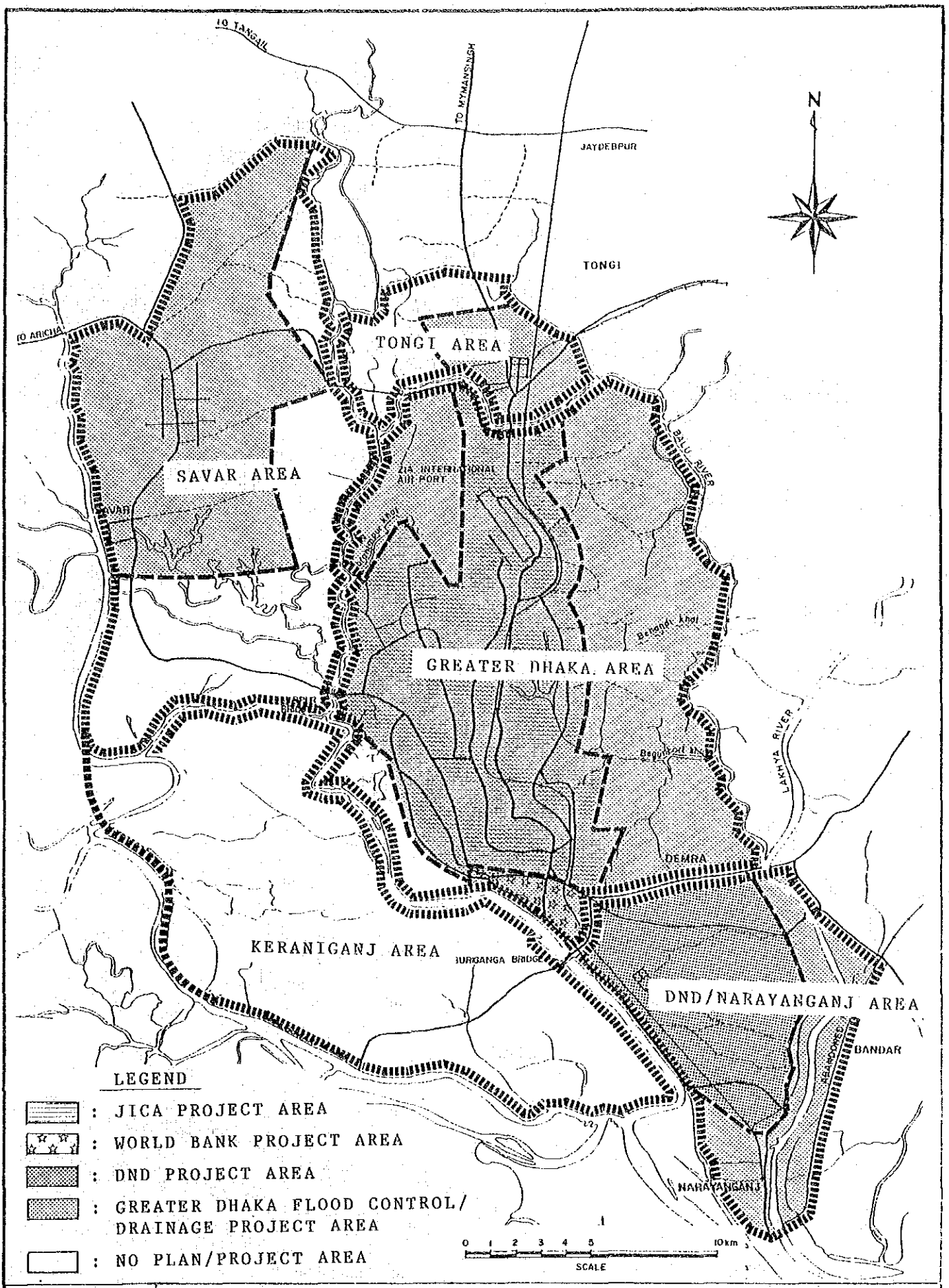
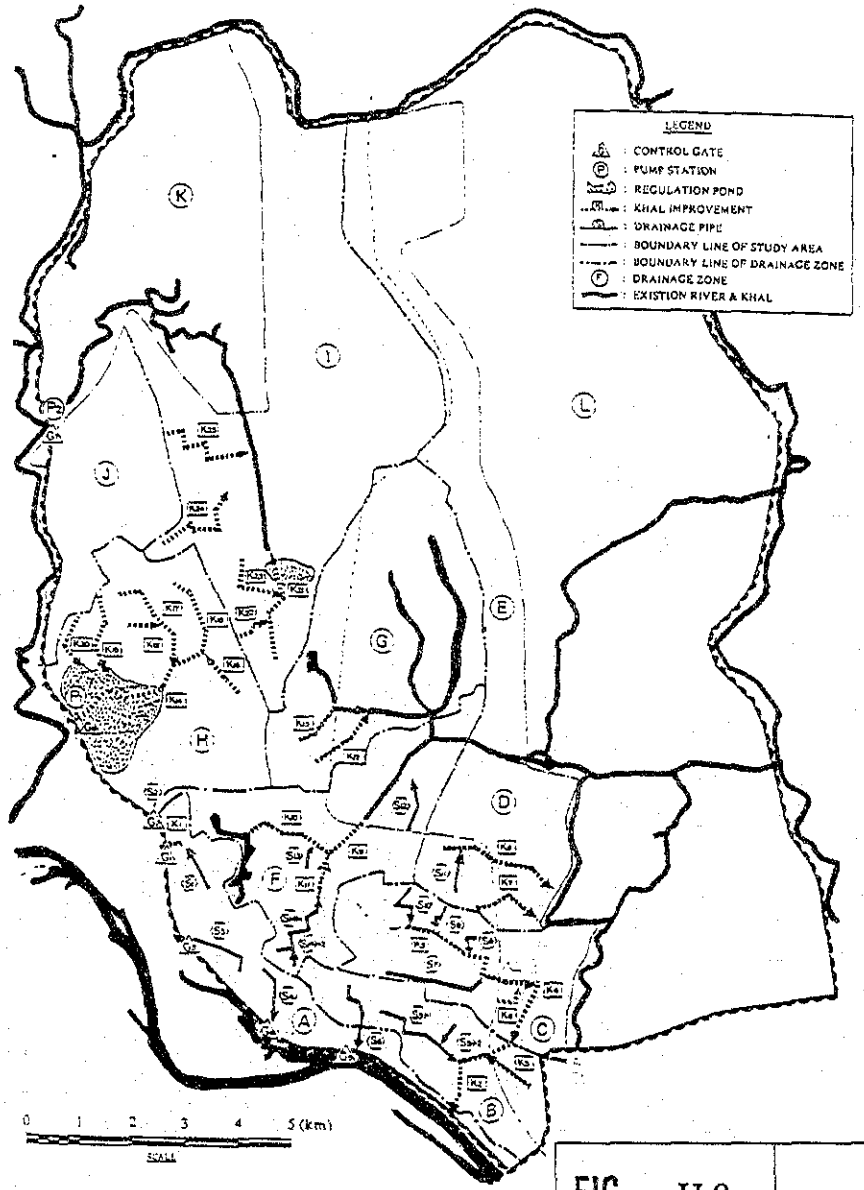
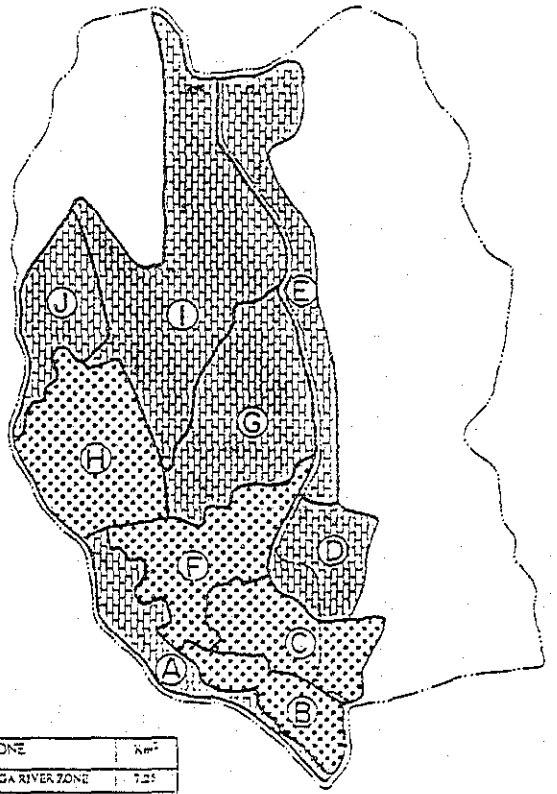


FIG. H.7 LOCATION OF EXISTING DRAINAGE PLAN AND PROJECT





DRAINAGE ZONE		Km²
A	BURIGANGA RIVER ZONE	7.25
B	DHOLAI KHAL ZONE	7.24
C	SEGUNBAGICHA KHAL ZONE	10.93
D	BASHABO ZONE	7.46
E	NORTH EAST EDGE ZONE	13.93
F	BEGUNBARI KHAL ZONE	13.70
G	GULSHAN-BANANI ZONE	17.04
H	KALLYANPUR ZONE	17.67
I	NORTH ZONE	31.42
J	TURAG RIVER BANK ZONE	7.65
	TOTAL DRAINAGE AREA	154.87

LEGEND

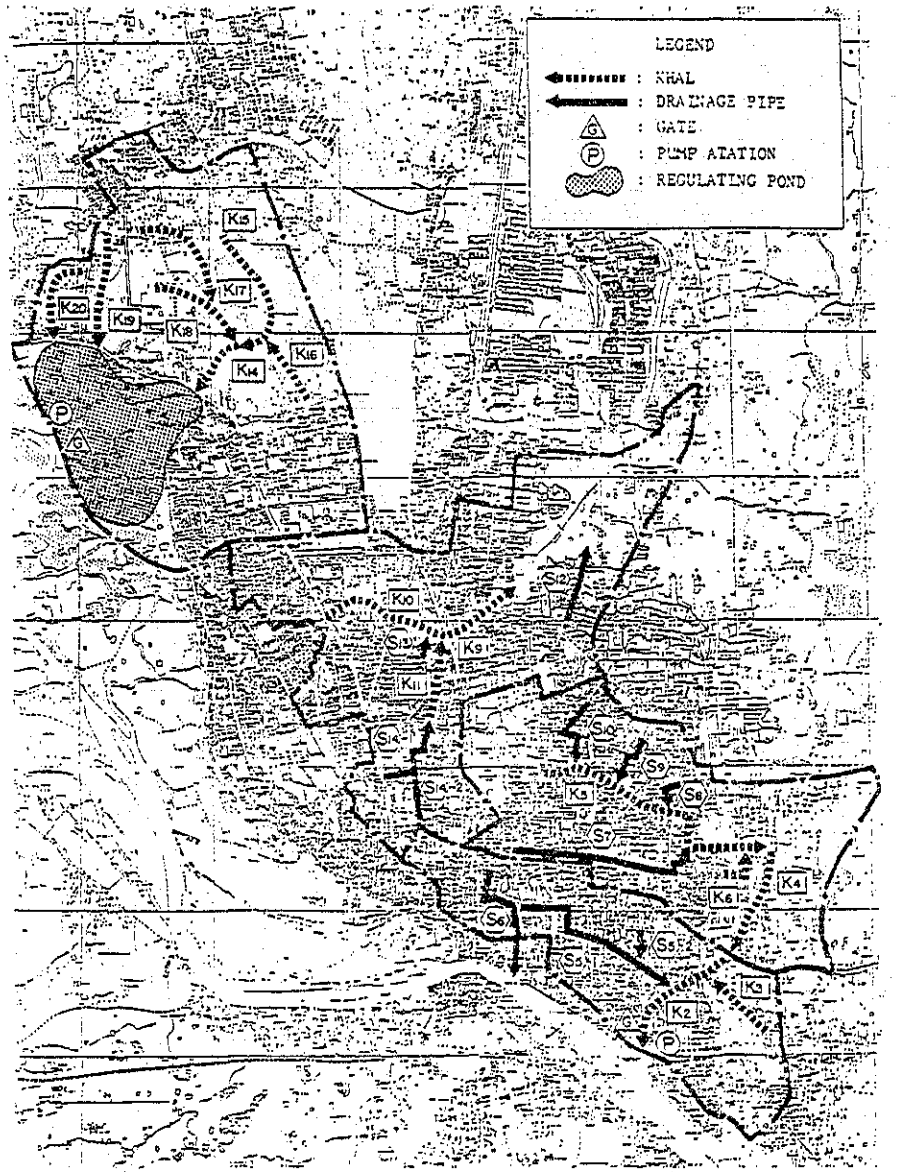
: First Priority Area

: Second Priority Area

FIG. H.8

PROPOSED FACILITIES AND THEIR PHASED PROGRAM BY JICA STUDY

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



PROPOSED PHASED PROGRAM

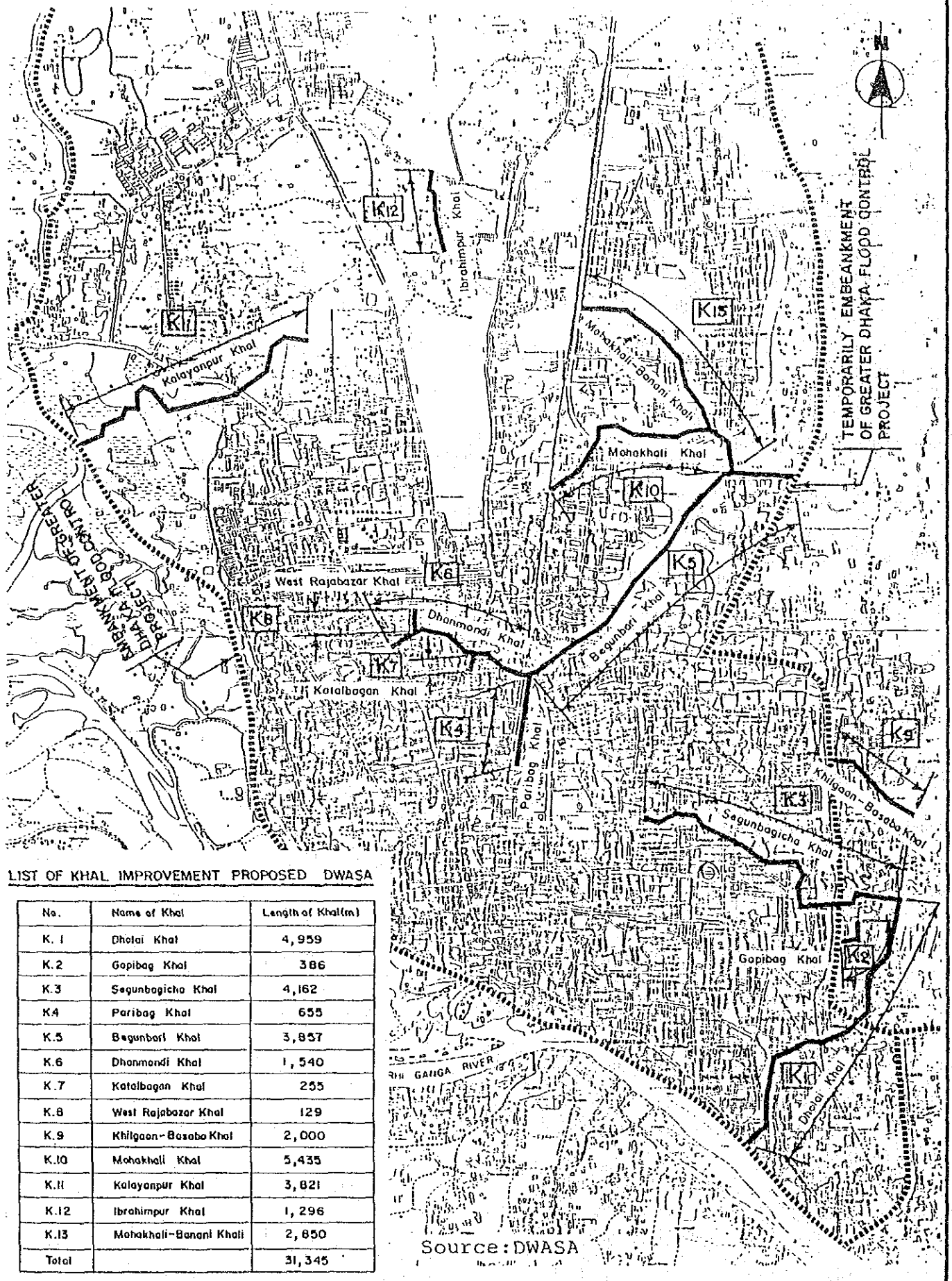
Unit : Million Tk at 1989 price

ZONE	WORKS	PHASE I		PHASE II		REMARKS
A	(1)Drainage Pipe			L=3.80km	127.5	.S1.S2.S3.S4
	(2)Khal Improvement	-		L=0.30km	6.3	.K1
	(3)Sluice Gate			n=4places	63.5	
	(4)Land Acquisition			A=0.10ha	4.8	
B	(1)Drainage Pipe			L=4.28km	295.2	.S5.S6
	(2)Khal Improvement	*				.K2.K3
	(3)Pump Station	*				
	(4)Sluice Gate	*		n=1place	6.0	
	(5)Land Acquisition	*				
C	(1)Drainage Pipe			L=4.81	206.2	.S7.S8.S9.S10
	(2)Khal Improvement	L=5.30km	593.9	L=1.00km	17.5	.I=K4.K5.II=K6
	(3)Land Acquisition	A=2.60ha	80.8	A=0.3ha	4.8	
D	(1)Drainage Pipe			L=0.70km	29.5	.S11
	(2)Khal Improvement	-		L=4.45km	80.9	.K7.K8
	(3)Land Acquisition			A=1.20ha	19.2	
E		-				
F	(1)Drainage Pipe			L=5.41km	117.0	.S12.S13.S14
	(2)Khal Improvement	L=3.50km	755.3			.K9.K10.K11
	(3)Land Acquisition	A=1.10ha	56.8			
G	(1)Khal Improvement	-		L=2.90km	44.0	.K12.K13
	(2)Land Acquisition			A=1.20ha	19.2	
H	(1)Khal Improvement	L=5.30km	24.0	L=8.70km	207.1	.I=K14.II=K14
	(2)Pump Station	L=10.0m3/s	226.7	Q=10.0m3/s	226.7	K15.K16.K17
	(3)Sluice Gate	n=1place	50.9			K18.K19.K20
	(4)Land Acquisition	A=5.20ha	68.0	A=3.10ha	46.4	
I	(1)Khal Improvement			L=6.9km	204.1	.K21.K22.K23
	(2)Pump Station	-		Q=4.5m3/s	171.1	K24.K25
	(3)Sluice Gate			n=1place	15.1	
	(4)Land Acquisition			A=3.1ha	37.2	
J		-		-		
	. Sub-Total	1835.6		1949.4		
	. Contingency and Engineering	336.4		357.3		
	TOTAL	2172.0 Million Tk		12306.7 Million Tk		14478.7 M.Tk

Note : Proposed works with (*) in the B-Zone are included in the World Bank Project.

FIG. H.9 URGENT PROJECT PROPOSED BY JICA STUDY

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



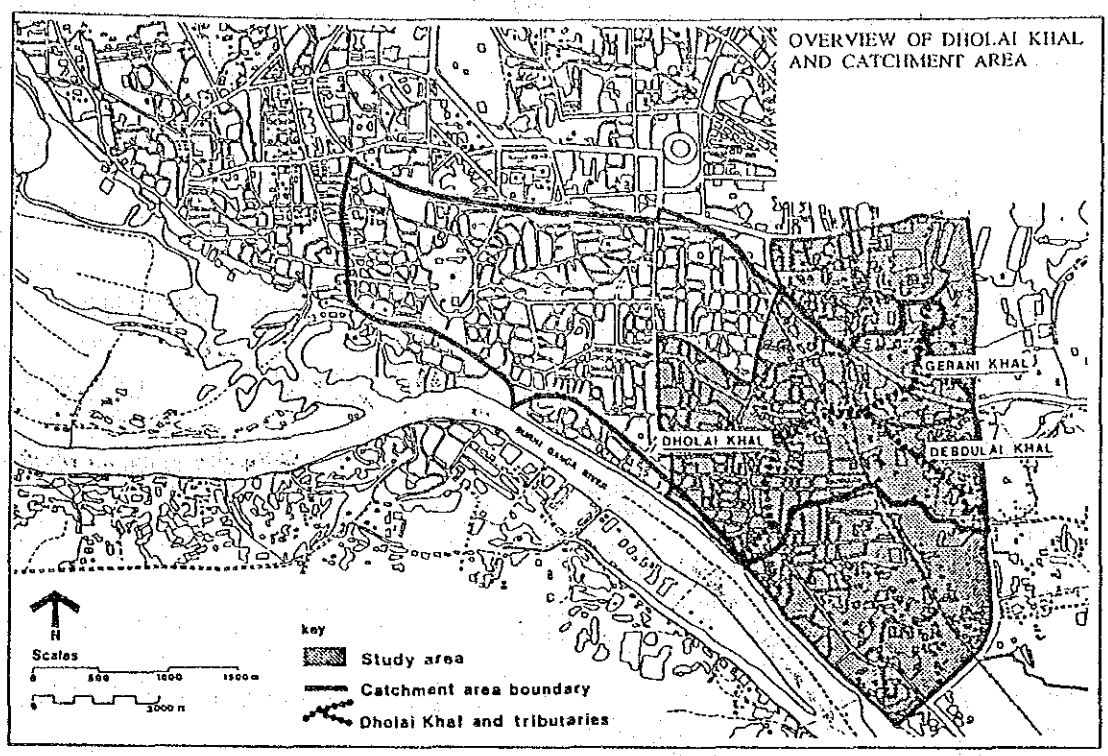
LIST OF KHAL IMPROVEMENT PROPOSED DWASA

No.	Name of Khal	Length of Khal(m)
K. 1	Dholai Khal	4,959
K.2	Gopibag Khal	386
K.3	Segunbagicha Khal	4,162
K4	Paribag Khal	655
K.5	Begunbari Khal	3,857
K.6	Dhanmondi Khal	1,540
K.7	Katalbagan Khal	255
K.8	West Rajabazar Khal	129
K.9	Khilgaon-Basaba Khal	2,000
K.10	Mohakhali Khal	5,435
K.11	Kalayanpur Khal	3,821
K.12	Ibrahimpur Khal	1,296
K.13	Mohakhali-Banani Khali	2,850
Total		31,345

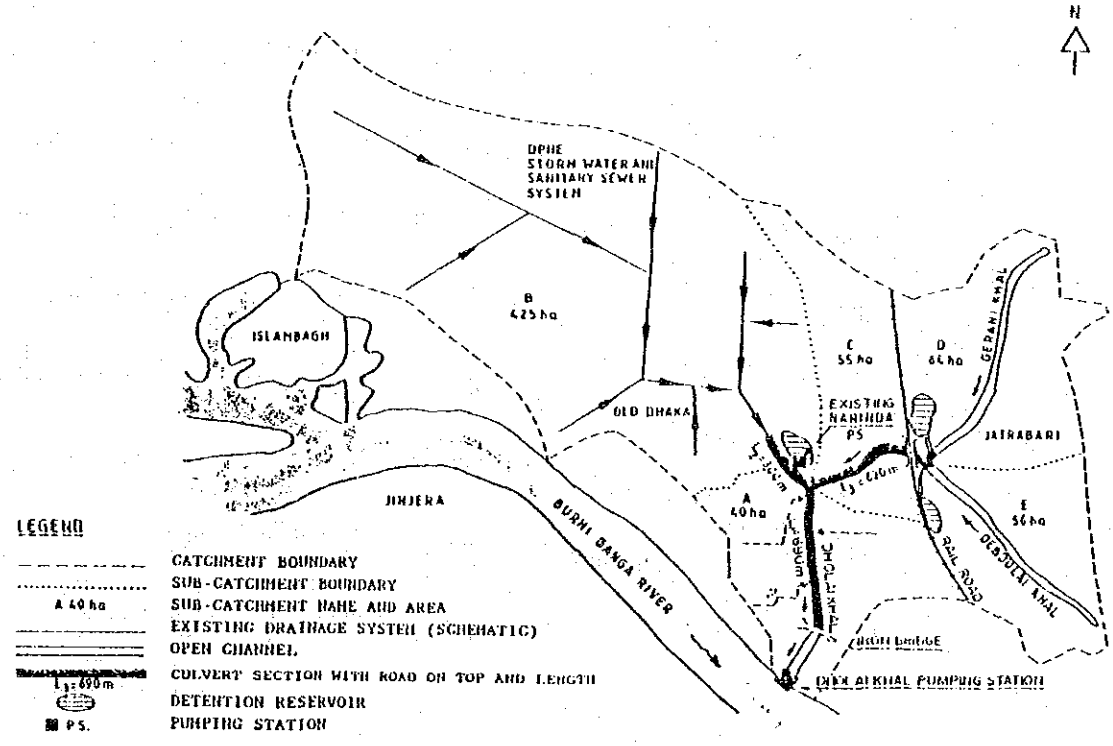
FIG. H.10 URGENT KHAL CLEANING PROJECT BY DWASA

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

JICA



STUDY AREA AND CATCHMENT AREA OF DHOLAI KHAL



Source : Final Report on Dholai Khal Rehabilitation and Area Development Study by B.K.H. B.V. in October 1986

FIG. H.11 PROPOSED DRAINAGE SYSTEM OF DHOLAI KHAL REHABILITATION AND AREA DEVELOPMENT PROJECT

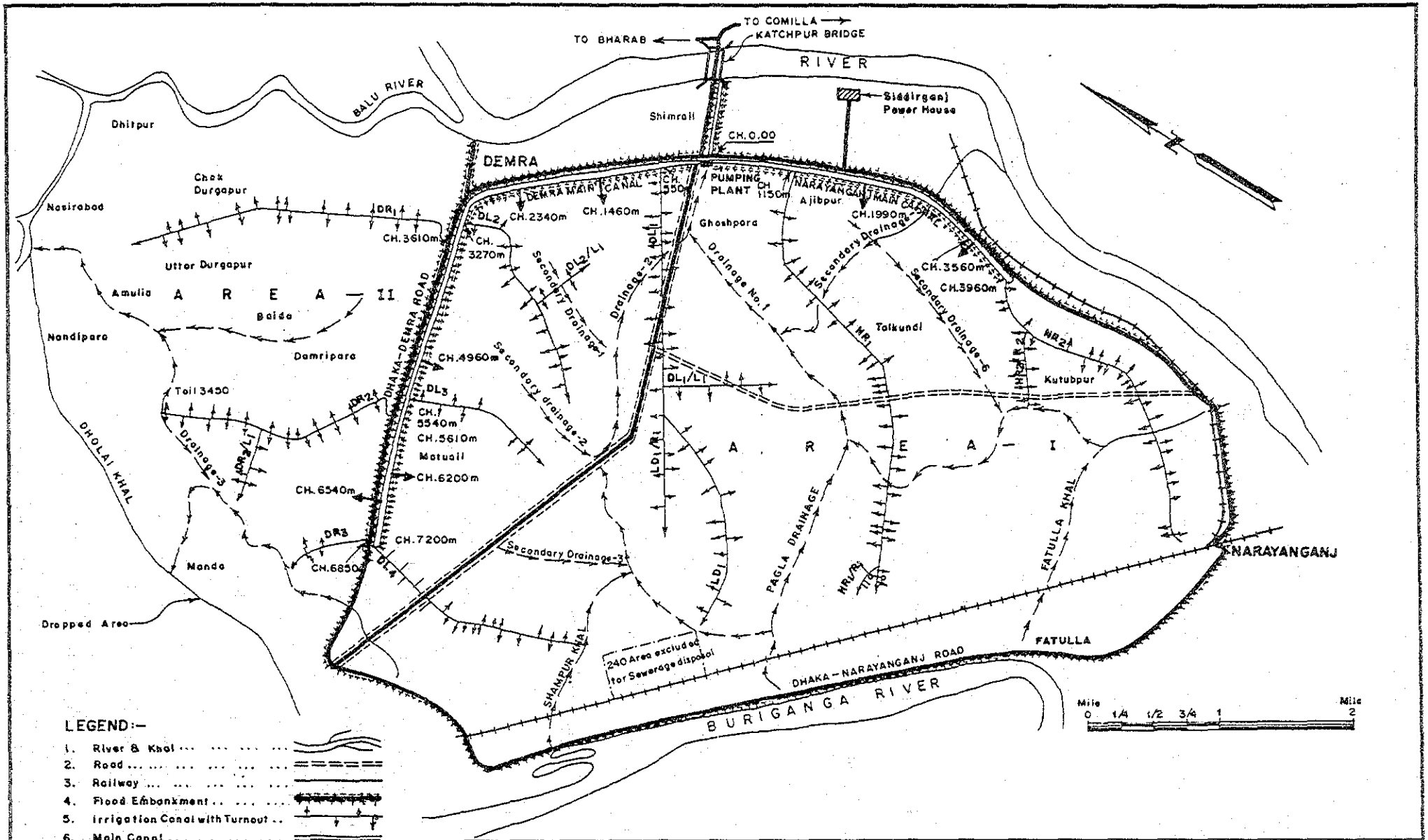


FIG. H.12

EXISTING IRRIGATION AND DRAINAGE SYSTEM IN DND AREA

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

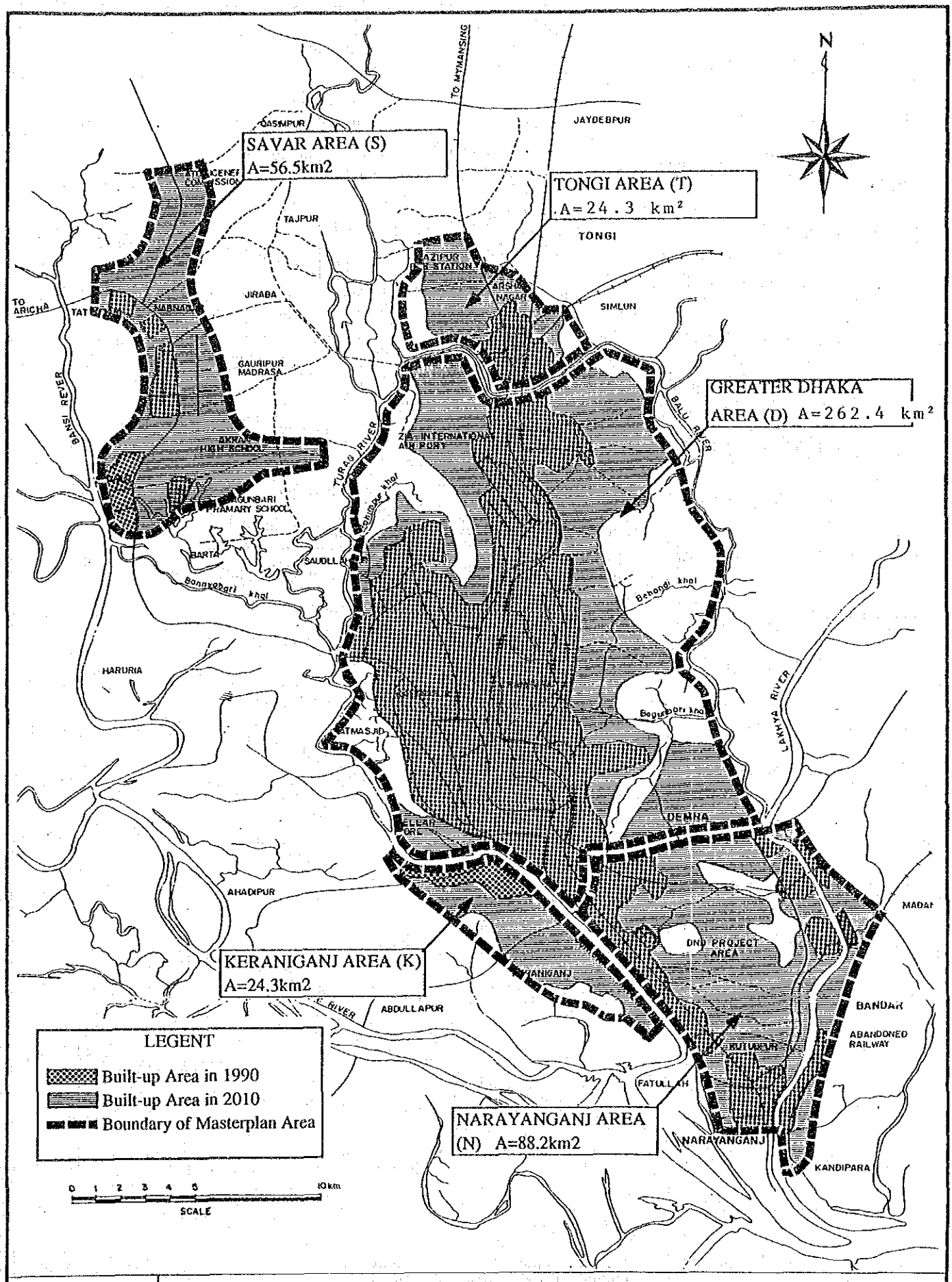
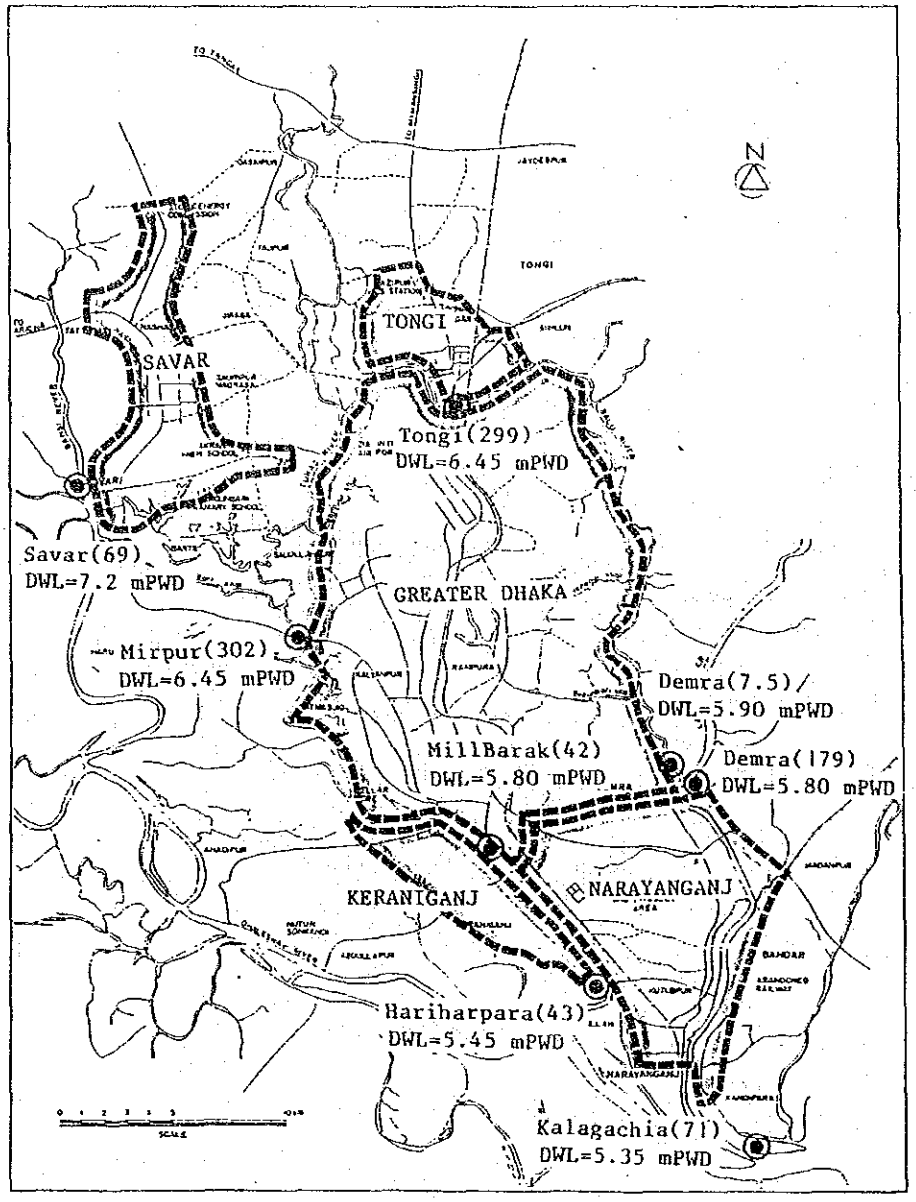


FIG. H.13 LOCATION OF MASTER PLAN AREA OF STORM WATER DRAINAGE

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



Design Flood Water Levels of Stormwater Drainage

(1) Greater Dhaka Area

- Buriganga River Left Bank Zone : 5.80 to 6.45 m PWD
- Turag River Left Bank Zone : 6.45 m PWD
- Balu River Right Bank Zone : 5.90 to 6.45 m PWD

(2) Tongi Area

- Tongi East and West Zone : 6.45 m PWD

(3) Narayanganj Area

- DND Project,Narayanganj East and West Zone : 5.45 to 5.80 m PWD

(4) Keraniganj Area : 5.45 to 5.80 m PWD

(5) Savar Area : 7.20 m PWD

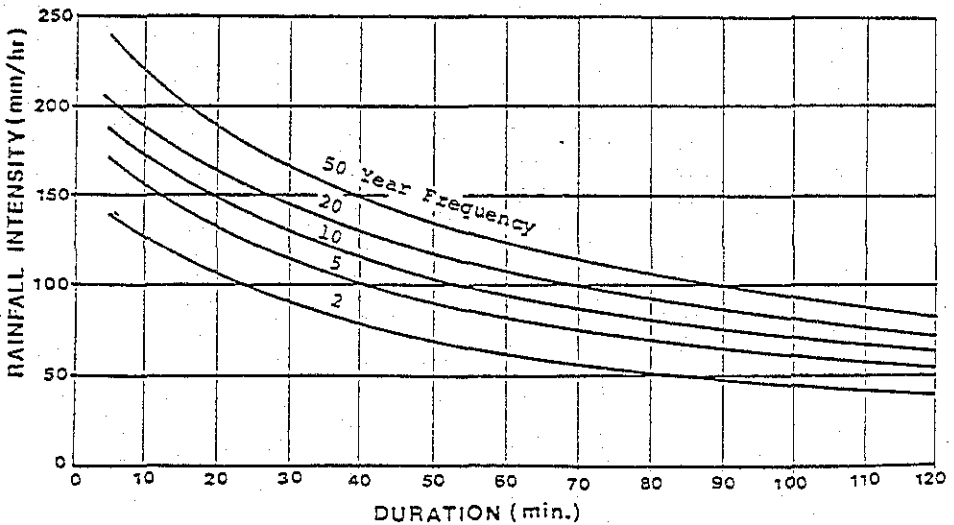
FIG. H.14 DESIGN FLOOD WATER LEVELS IN MASTER PLAN AREA

RAINFALL INTENSITY-DURATION FORMULA

RETURN PERIOD	EQUATION	RAINFALL INTENSITY			
		15	30	60	120
2	$\frac{6689}{T+44}$	113·4	80·4	54·3	40·5
5	$\frac{7674}{T+47}$	123·8	89·7	71·7	48·0
5	$\frac{9005}{T+50}$	138·5	112·8	81·8	53·0
10	$\frac{10690}{T+53}$	157·2	128·8	94·6	61·8
20	$\frac{12311}{T+55}$	175·9	146·8	107·0	70·3
50	$\frac{14415}{T+57}$	200·2	165·7	123·2	81·4

HOURLY DISTRIBUTION

hr	%	$R1^{mm}$	$R2^{mm}$
1	9	17.4	4.8
2	15	28.3	8.0
3	44	82.8	23.2
4	15	30.6	8.5
5	9	18.0	5.0
6	7	14.9	3.5
TOTAL	100	192.0	53.0



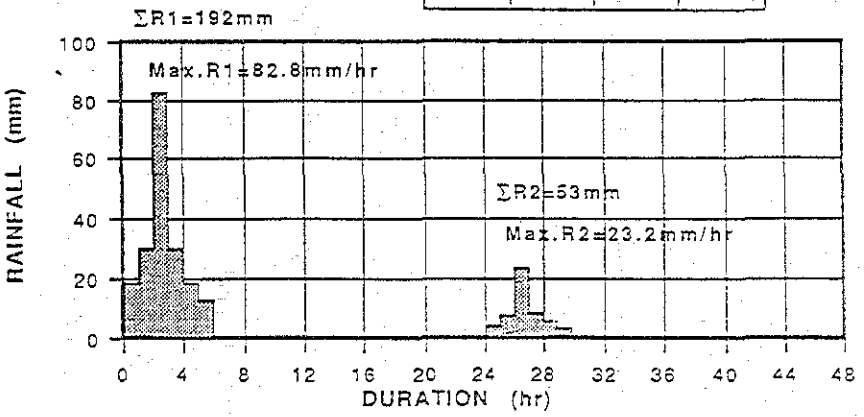
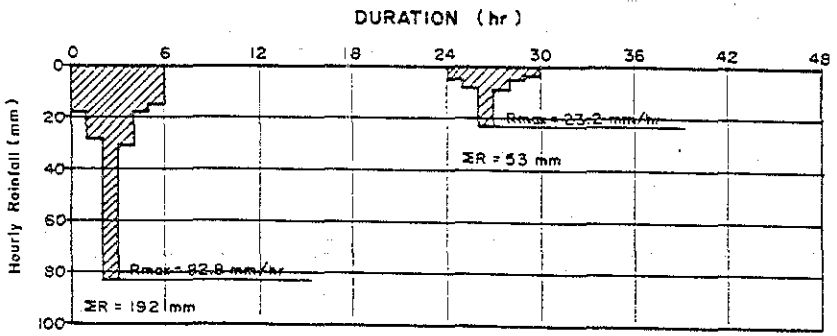
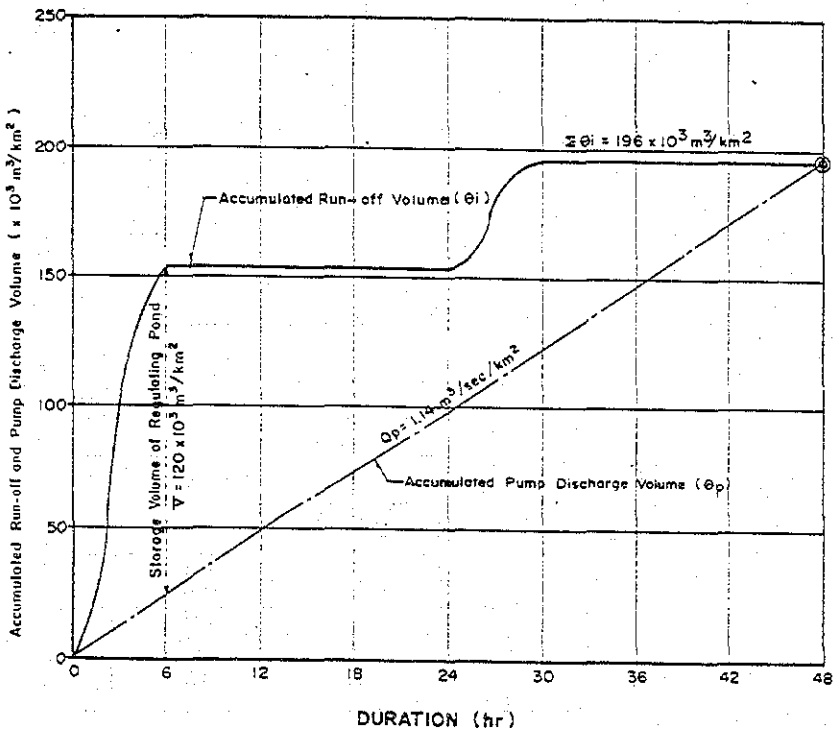


FIG. H.15 DESIGN RAINFALL

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH





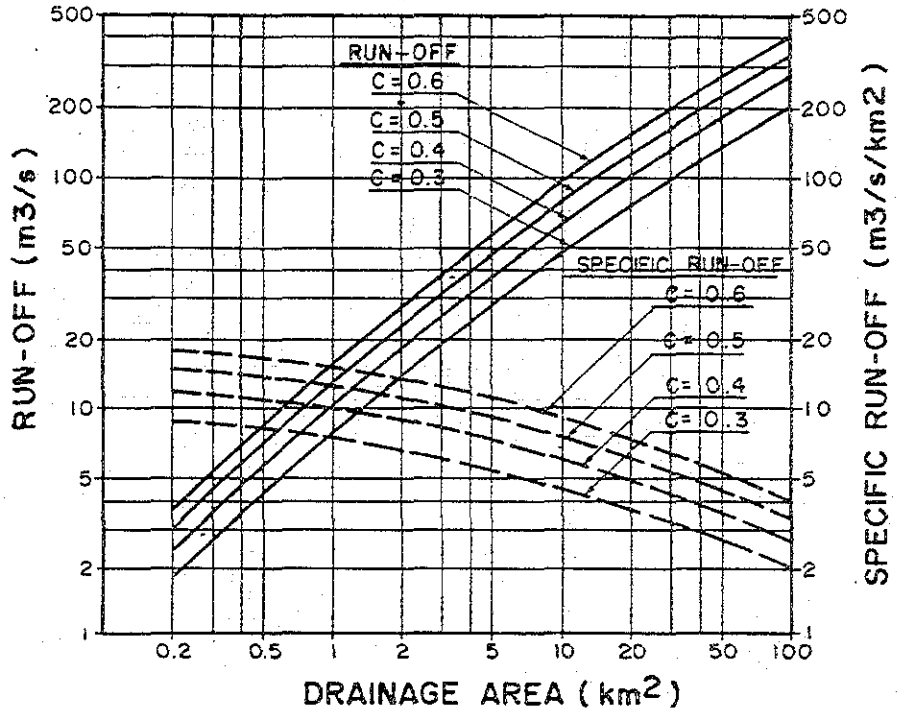


FIG. H.16 SPECIFIC REQUIREMENTS OF PUMP AND REGULATING POND, AND SPECIFIC PEAK OFF AND DRAINAGE AREA CURVES

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

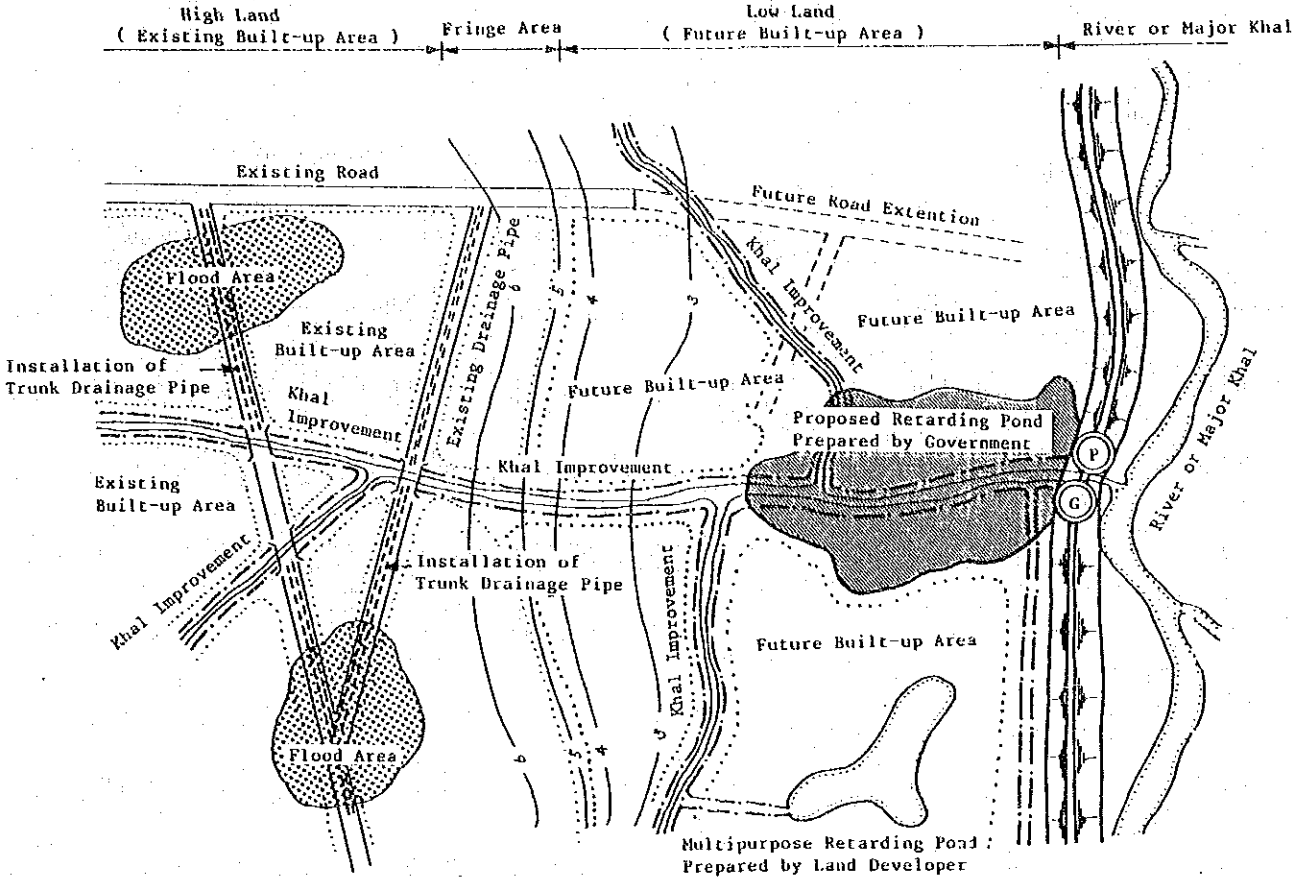
Measures in Existing Built-up Area

Structural Measures
- All of the required pumping station with sluice gate
- Khal improvement and installation of trunk drainage pipe

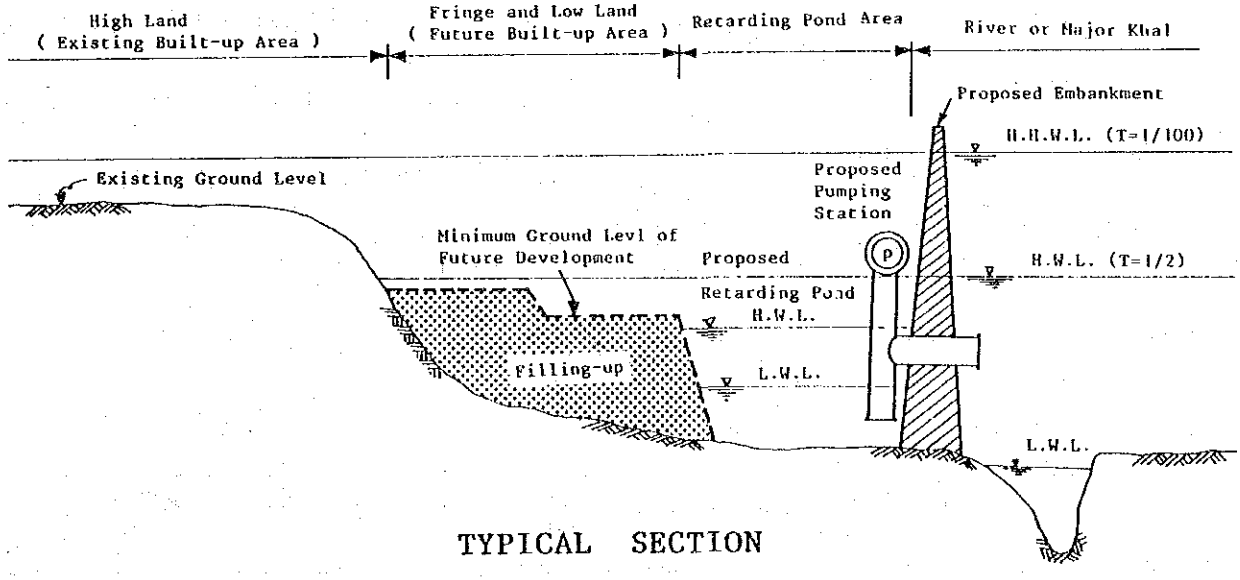
Measures in Future Built-up Area

Structural Measures
- All of the required pumping station with sluice gate
- Trunk khal improvement

Non-structural Measures
- Recommendation of minimum ground elevation by filling up in future development areas
- Land use regulation for the proposed pump regulating pond and trunk khal areas



P L A N



TYPICAL SECTION

FIG. H.17 SCOPE OF STRUCTURAL AND NON-STRUCTURAL MEASURES

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

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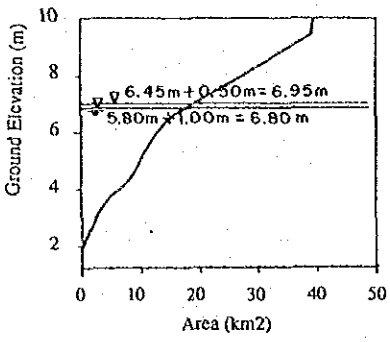
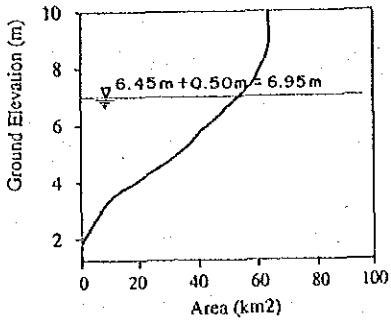
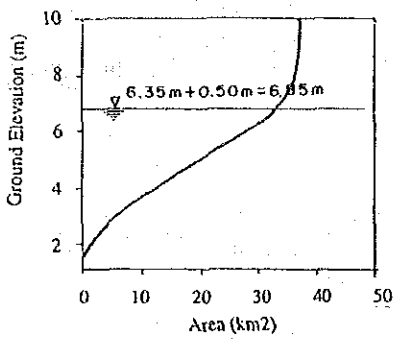
Buriganga River Left Bank Zone



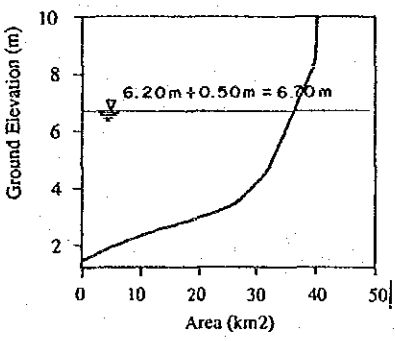
Turag River Left Bank Zone



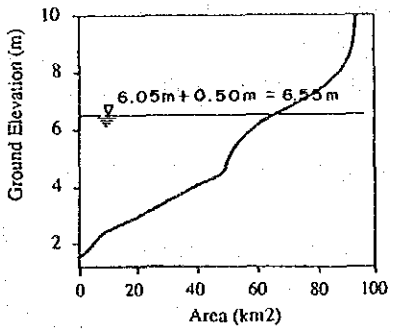
Balu River Right Bank Zone
Northern Area



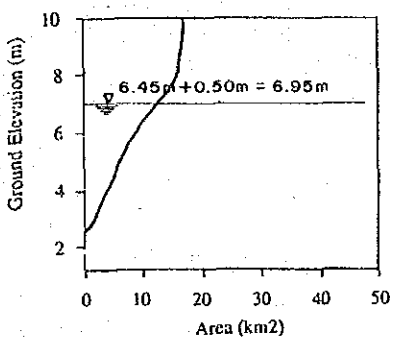
Balu River Right Bank Zone
Central Area



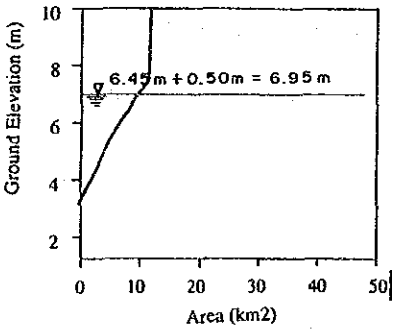
Balu River Right Bank Zone
Southern Area



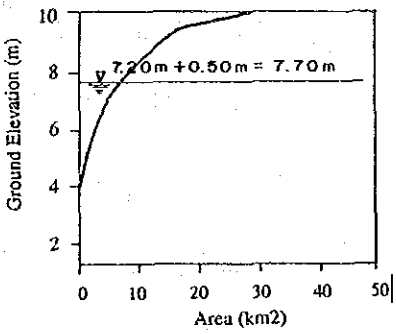
Tongi West Zone



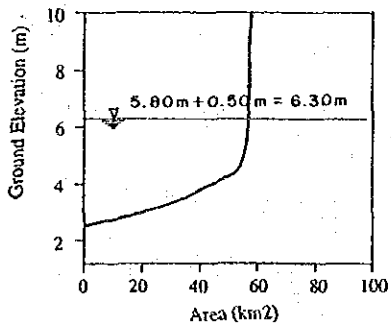
Tongi East Zone



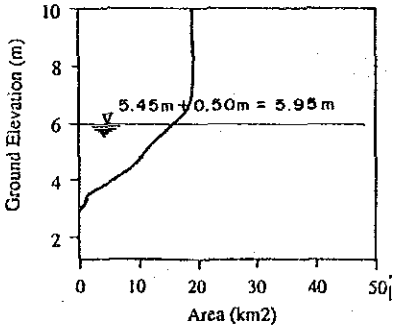
Savar



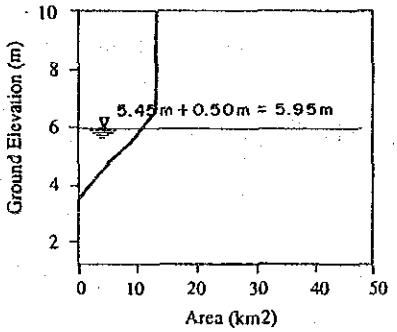
DND Project Zone



Narayanganj West Zone



Narayanganj East Zone



Keraniganj

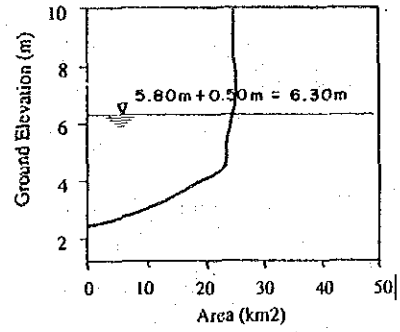
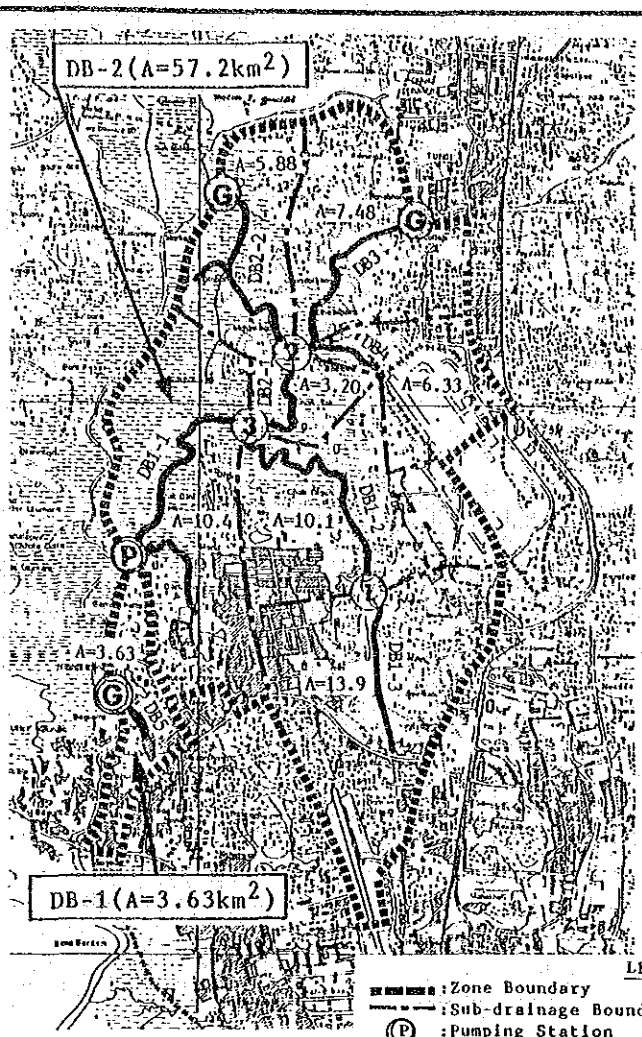
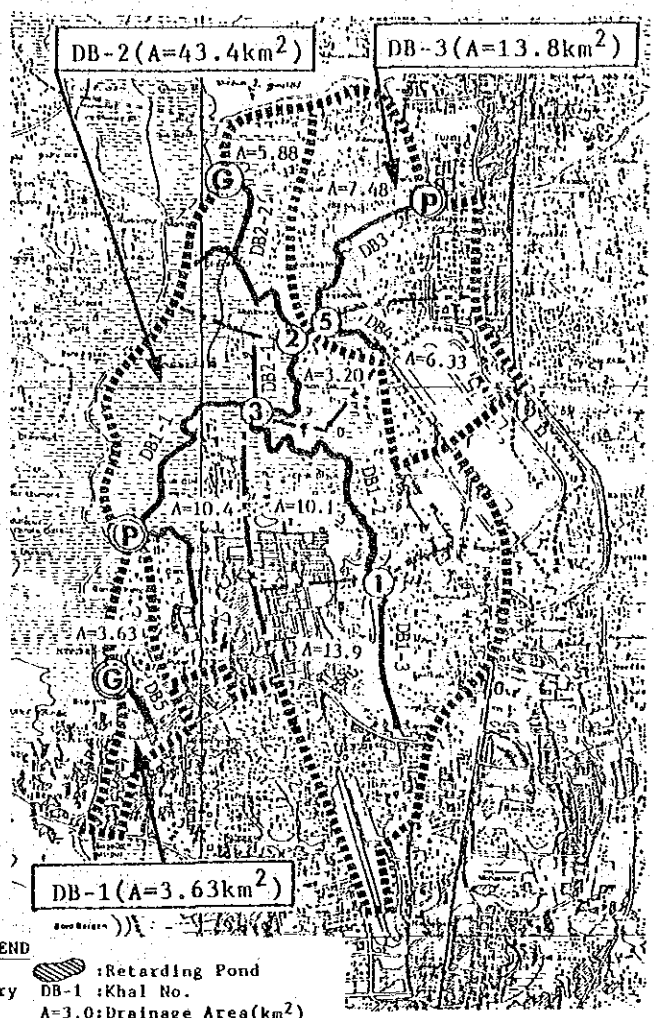


FIG. H.18 GROUND ELEVATION AND AREA CURVE BY DRAINAGE ZONE

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

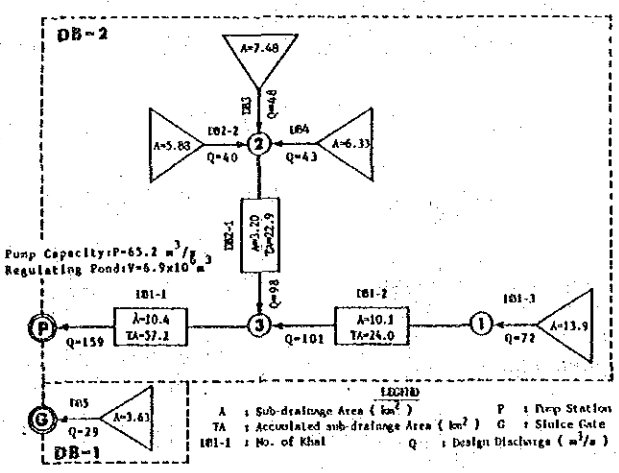




LEGEND

:Zone Boundary
:Sub-drainage Boundary
:Pumping Station
:Gate
:Khal
:Retarding Pond
DB-1 :Khal No.
A=3.0:Drainage Area(km²)
TA=5.0:Accumulated Area(km²)

Drainage Plan

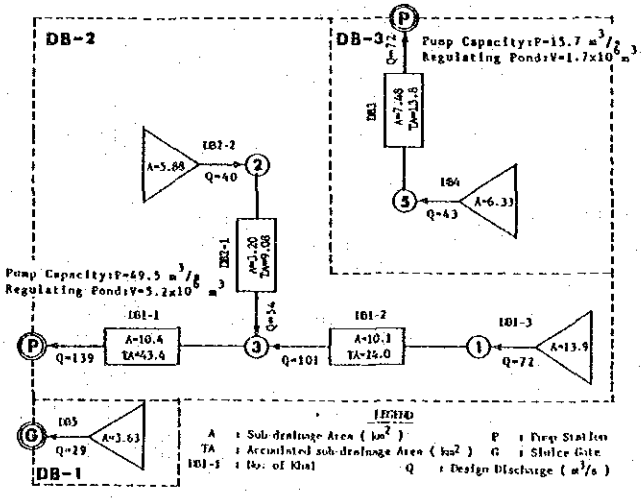


Drainage Model

Alternative I

(Two Independent Drainage System)

Drainage Plan

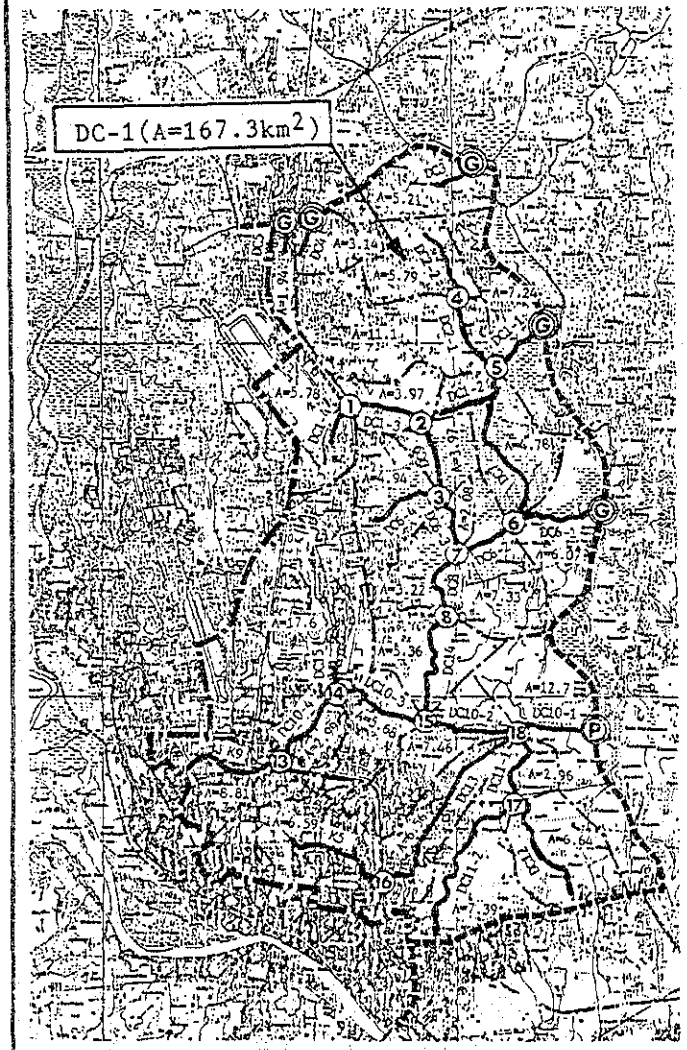


Drainage Model

Alternative II

(Three Independent Drainage System)

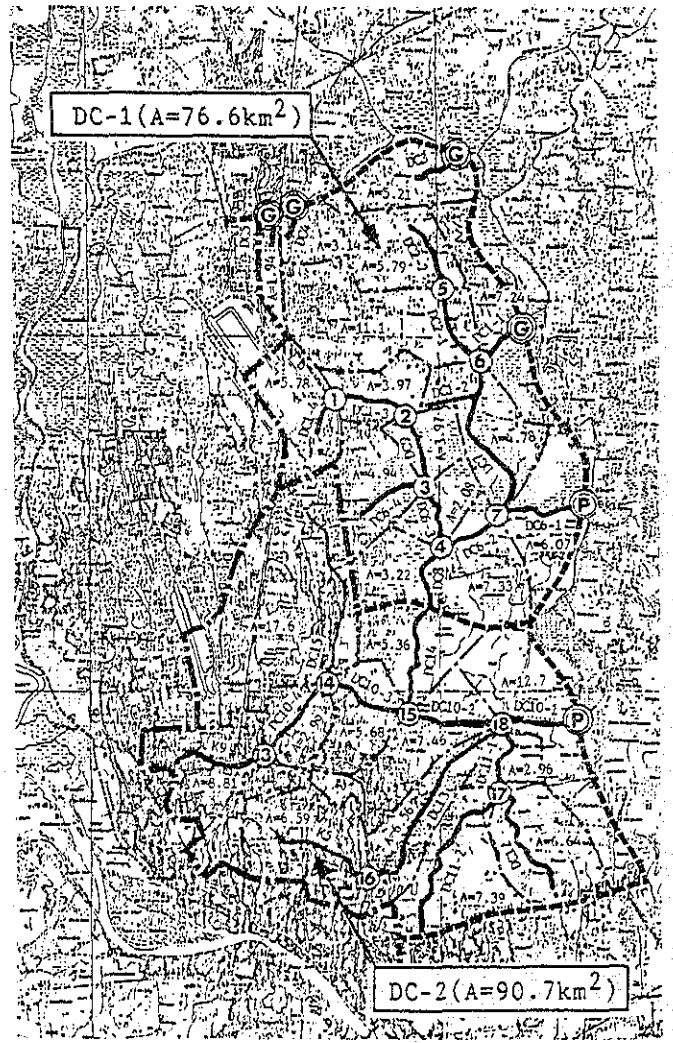
FIG. H.19.(1) DRAINAGE SYSTEM ALTERNATIVES (TURAG RIVER LEFT BANK ZONE)



Drainage Plan

Alternative I

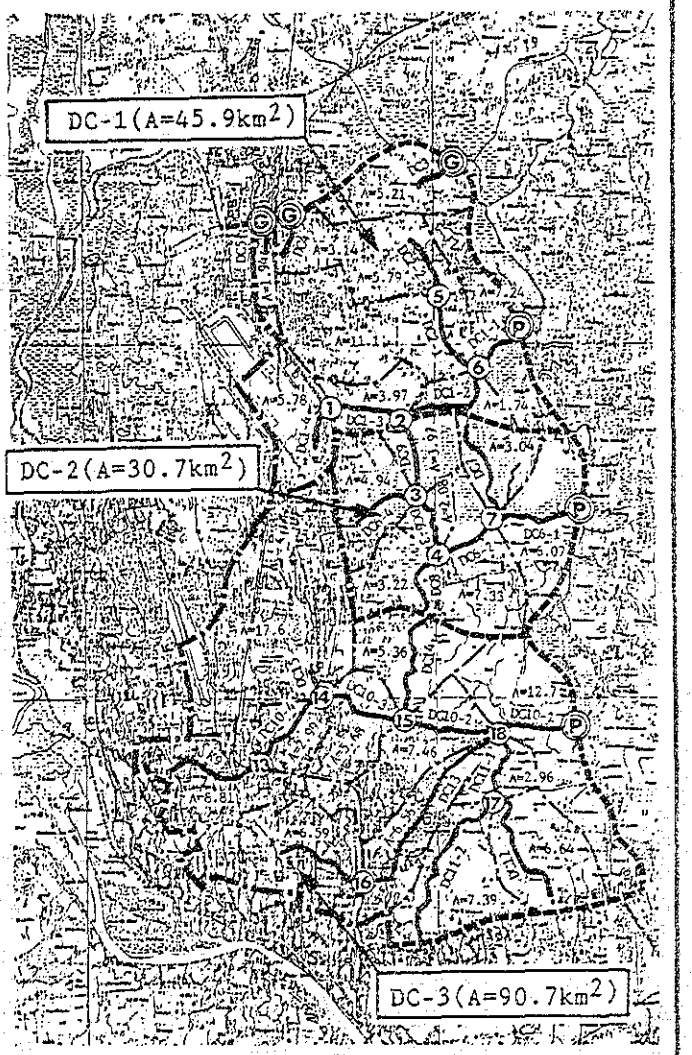
(Single Drainage System)



Drainage Plan

Alternative II

(Two Independent Drainage System)



Drainage Plan

Alternative III

(Three Independent Drainage System)

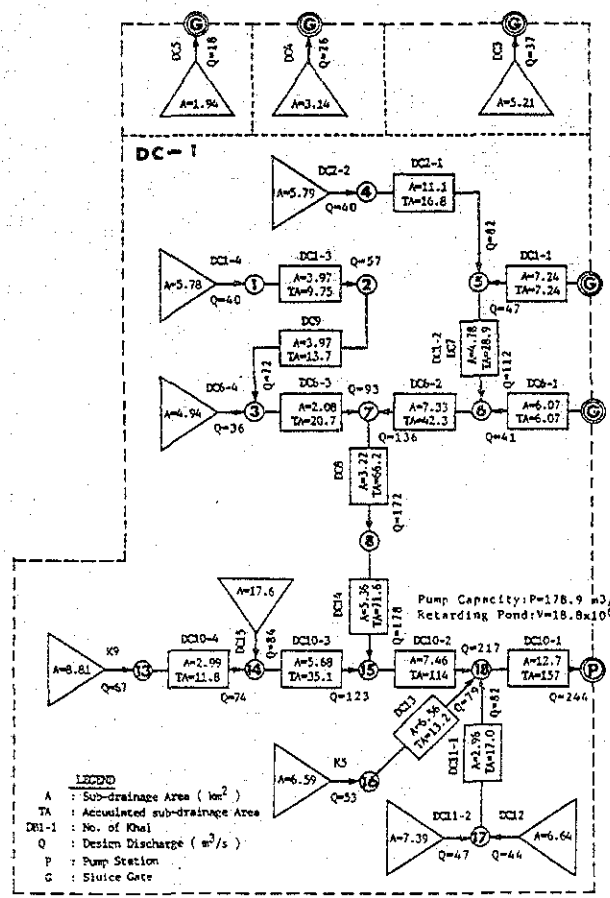
LEGEND

:Zone Boundary
:Sub-drainage Boundary
:Pumping Station
:Gate
:Khal
:Retarding Pond
DB-1 :Khal No.
A=3.0:Drainage Area(km²)
TA=5.0:Accumulated Area(km²)

FIG. H.19.(2) DRAINAGE SYSTEM ALTERNATIVES (BALU RIVER RIGHT BANK ZONE-1)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

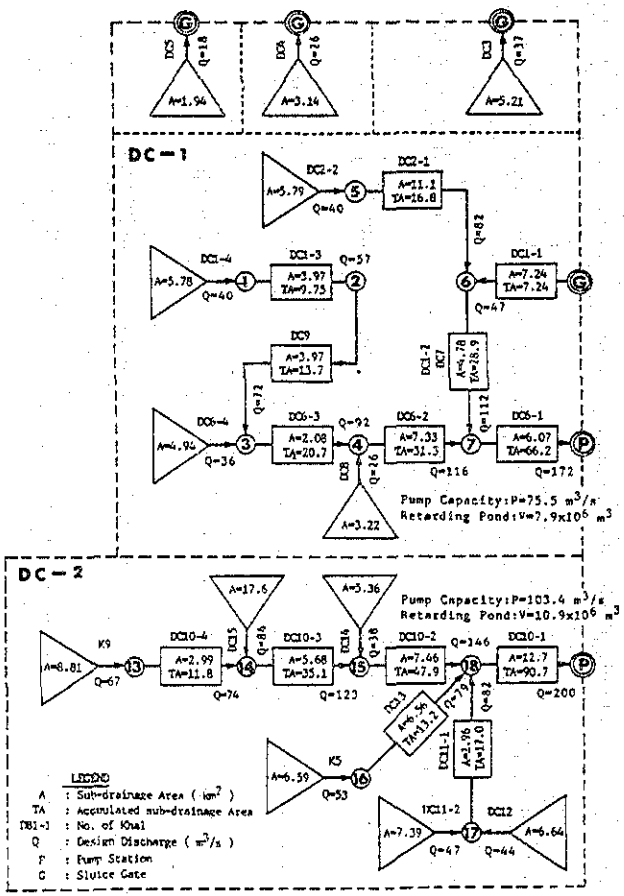
JICA



Drainage Model

Alternative I

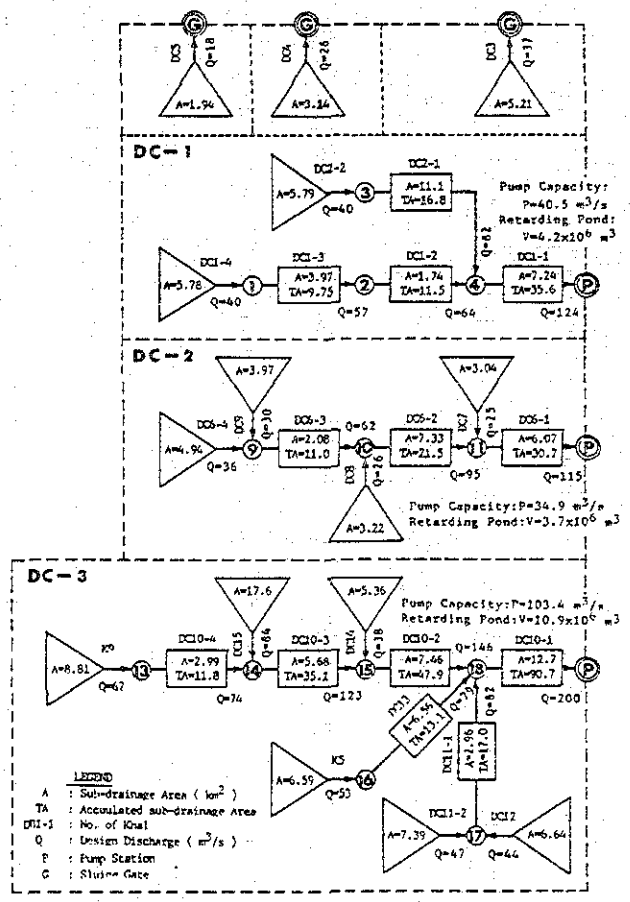
(Single Drainage System)



Drainage Model

Alternative II

(Two Independent Drainage System)



Drainage Model

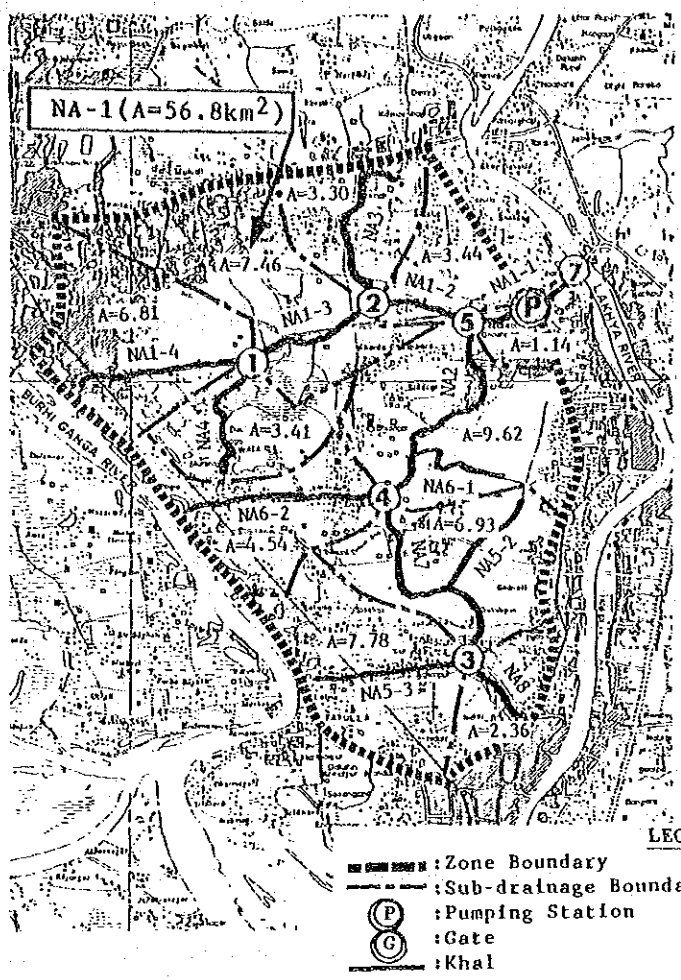
Alternative III

(Three Independent Drainage System)

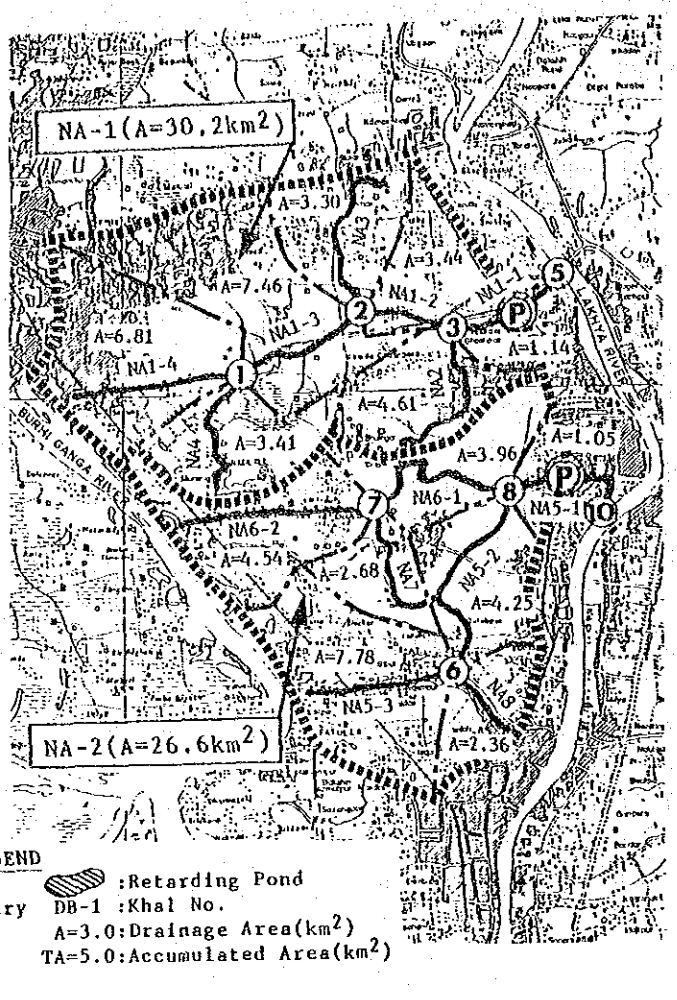
FIG. H.19.(3)

DRAINAGE SYSTEM ALTERNATIVES (BALU RIVER RIGHT BANK ZONE-2)

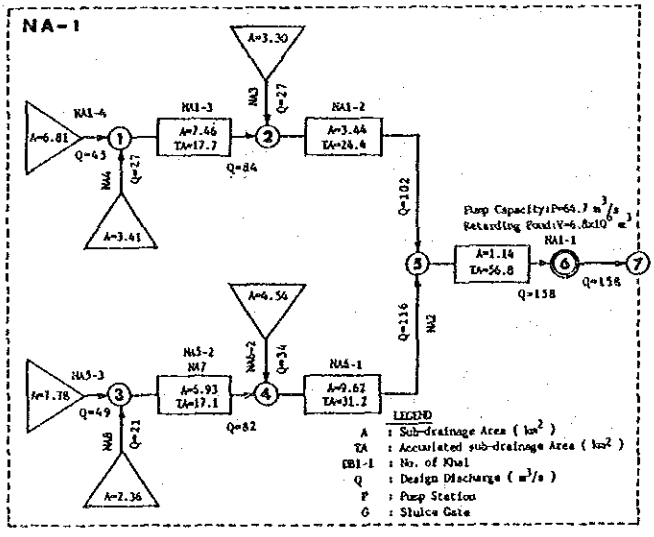
GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



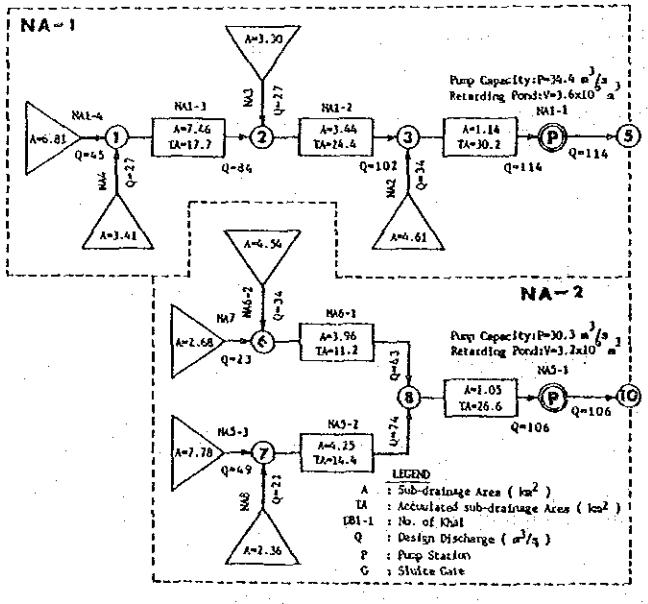
Drainage Plan



Drainage Plan



Drainage Model



Drainage Model

Alternative I
(Single Drainage System)

Alternative II
(Two Independent Drainage System)

FIG. H.19.(4) DRAINAGE SYSTEM ALTERNATIVES (DND PROJECT ZONE)

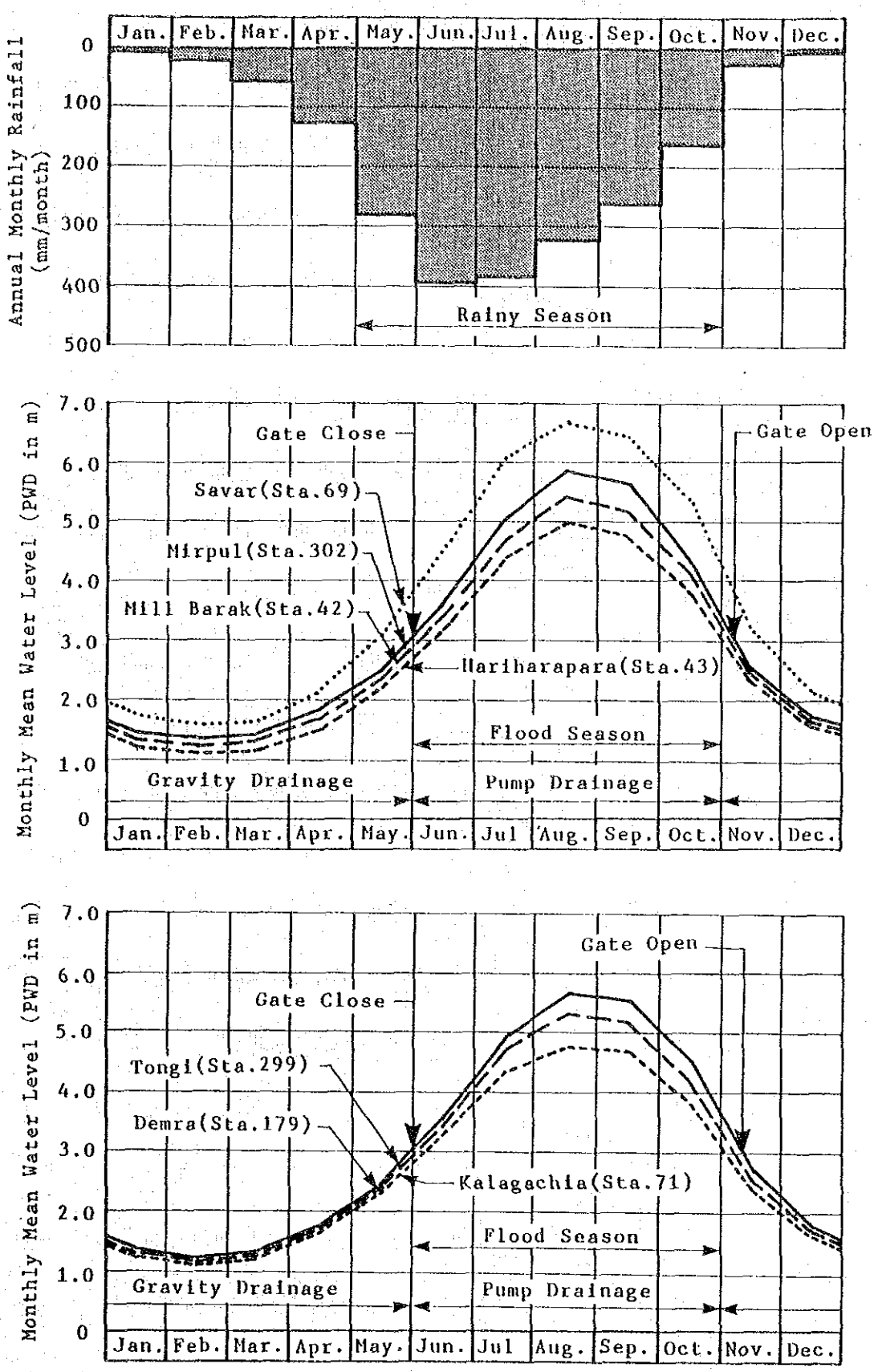
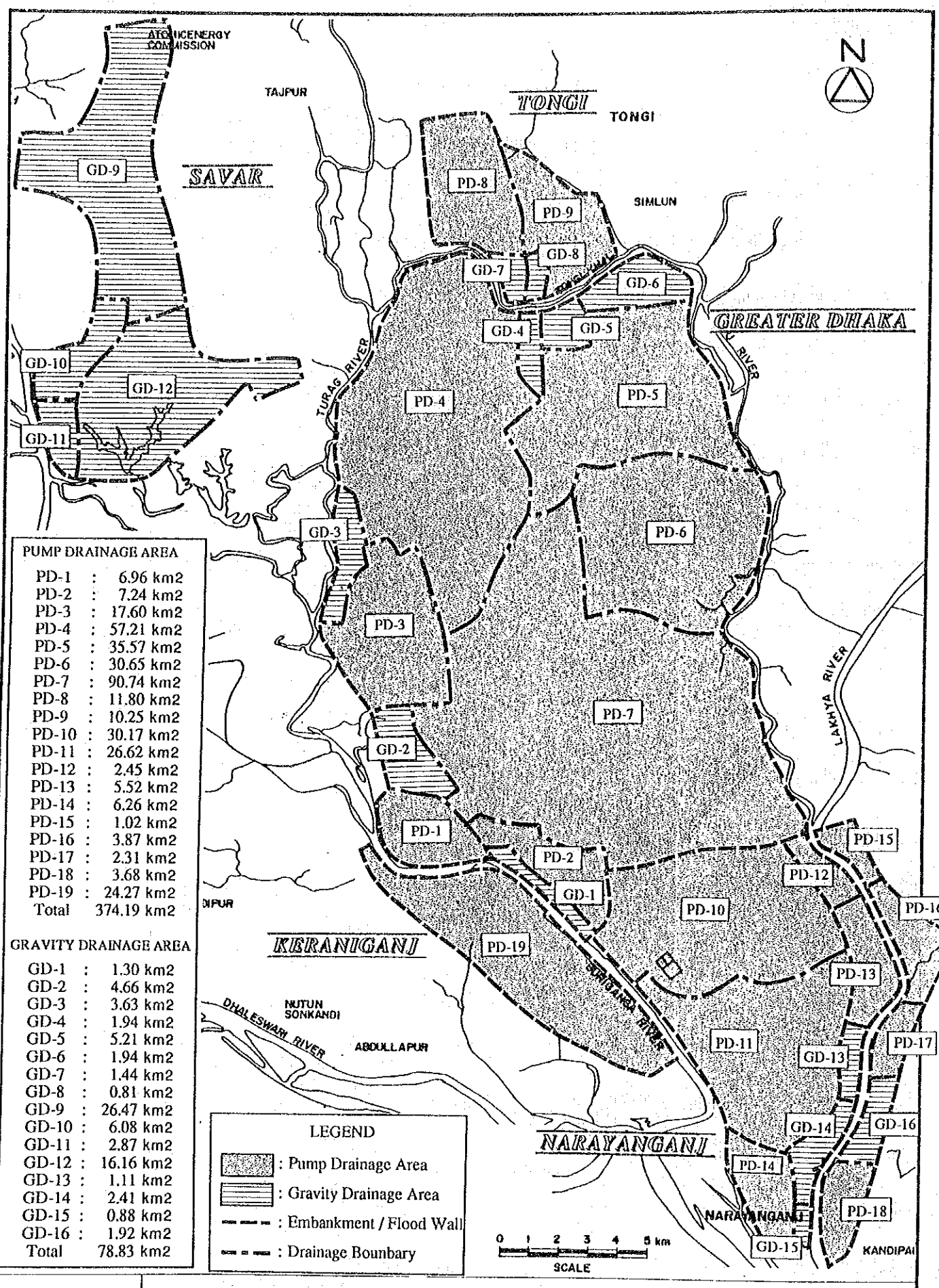


FIG. H.20 SEASONAL VARIATION OF RAINFALL AND FLOOD WATER LEVEL IN DHAKA METROPOLITAN AREA



PUMP DRAINAGE AREA

PD-1	:	6.96 km2
PD-2	:	7.24 km2
PD-3	:	17.60 km2
PD-4	:	57.21 km2
PD-5	:	35.57 km2
PD-6	:	30.65 km2
PD-7	:	90.74 km2
PD-8	:	11.80 km2
PD-9	:	10.25 km2
PD-10	:	30.17 km2
PD-11	:	26.62 km2
PD-12	:	2.45 km2
PD-13	:	5.52 km2
PD-14	:	6.26 km2
PD-15	:	1.02 km2
PD-16	:	3.87 km2
PD-17	:	2.31 km2
PD-18	:	3.68 km2
PD-19	:	24.27 km2
Total		374.19 km2

GRAVITY DRAINAGE AREA

GD-1	:	1.30 km2
GD-2	:	4.66 km2
GD-3	:	3.63 km2
GD-4	:	1.94 km2
GD-5	:	5.21 km2
GD-6	:	1.94 km2
GD-7	:	1.44 km2
GD-8	:	0.81 km2
GD-9	:	26.47 km2
GD-10	:	6.08 km2
GD-11	:	2.87 km2
GD-12	:	16.16 km2
GD-13	:	1.11 km2
GD-14	:	2.41 km2
GD-15	:	0.88 km2
GD-16	:	1.92 km2
Total		78.83 km2

LEGEND

: Pump Drainage Area

: Gravity Drainage Area

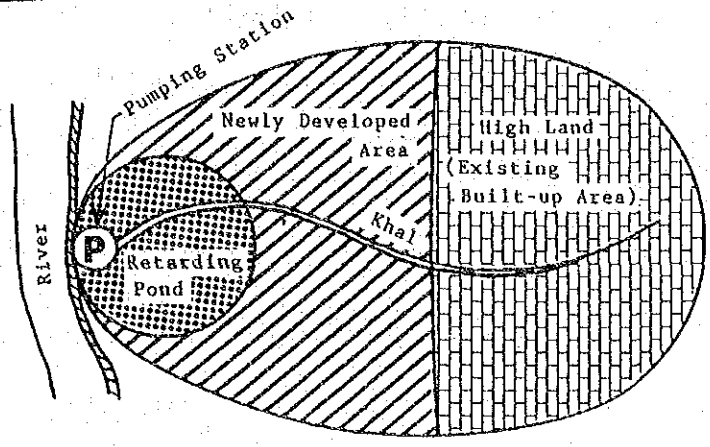
: Embankment / Flood Wall

: Drainage Bounbary

FIG. H.21 ZONING OF GRAVITY AND PUMP DRAINAGE AREA

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

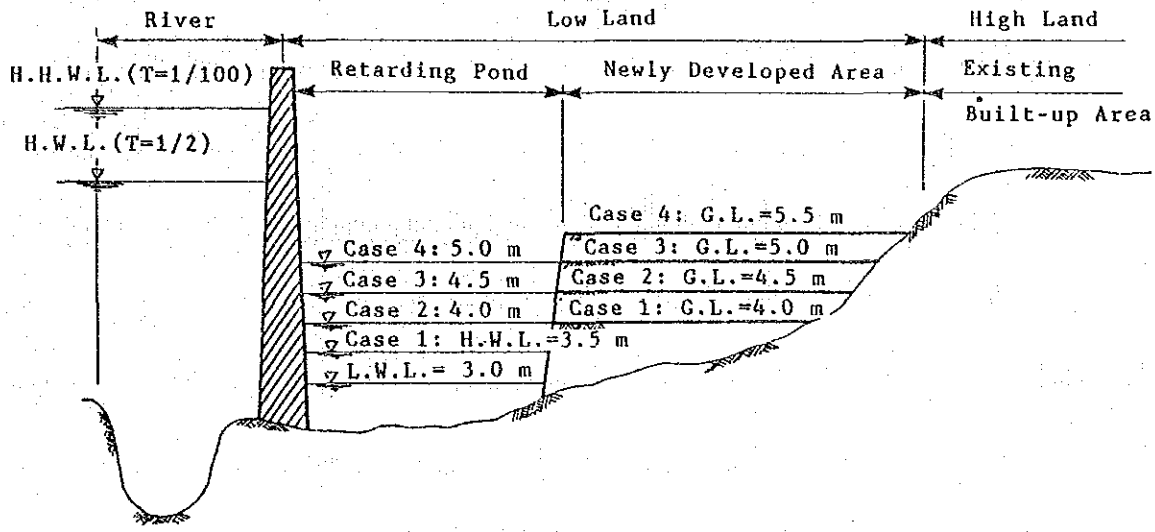
JICA



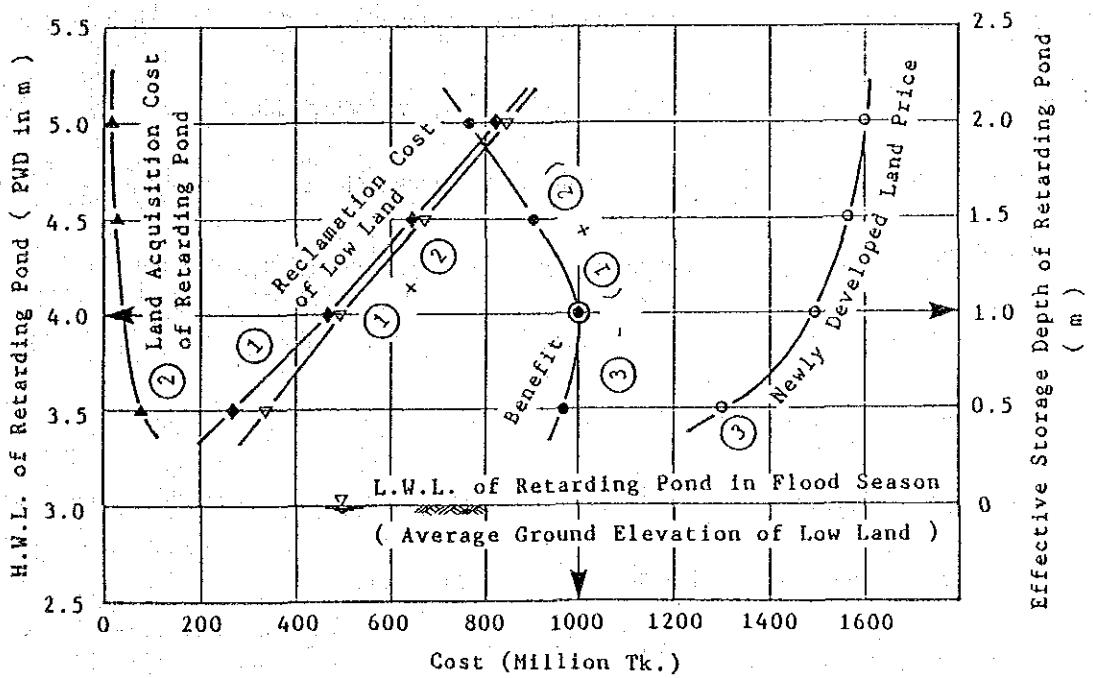
Main Features of Case Study

* Case Study Area: A=100 ha (1.0 km^2)
* Required Pump Capacity: P=1.14 m^3/s
* Required Storage Volume of Retarding Pond: V=120,000 m^3
* L.W.L. of Retarding Pond: H=3.0 m PWD
* Variation of H.W.L. of Retarding Pond: H= 3.5 to 5.0 m PWD

Key Map of Case Study Area



Standard Section Of Case Study Area



H.W.L. Of Retarding Pond - Cost, Benefit Curves

FIG. H.22 CASE STUDY FOR DESIGN HIGH WATER LEVEL OF RETARDING POND

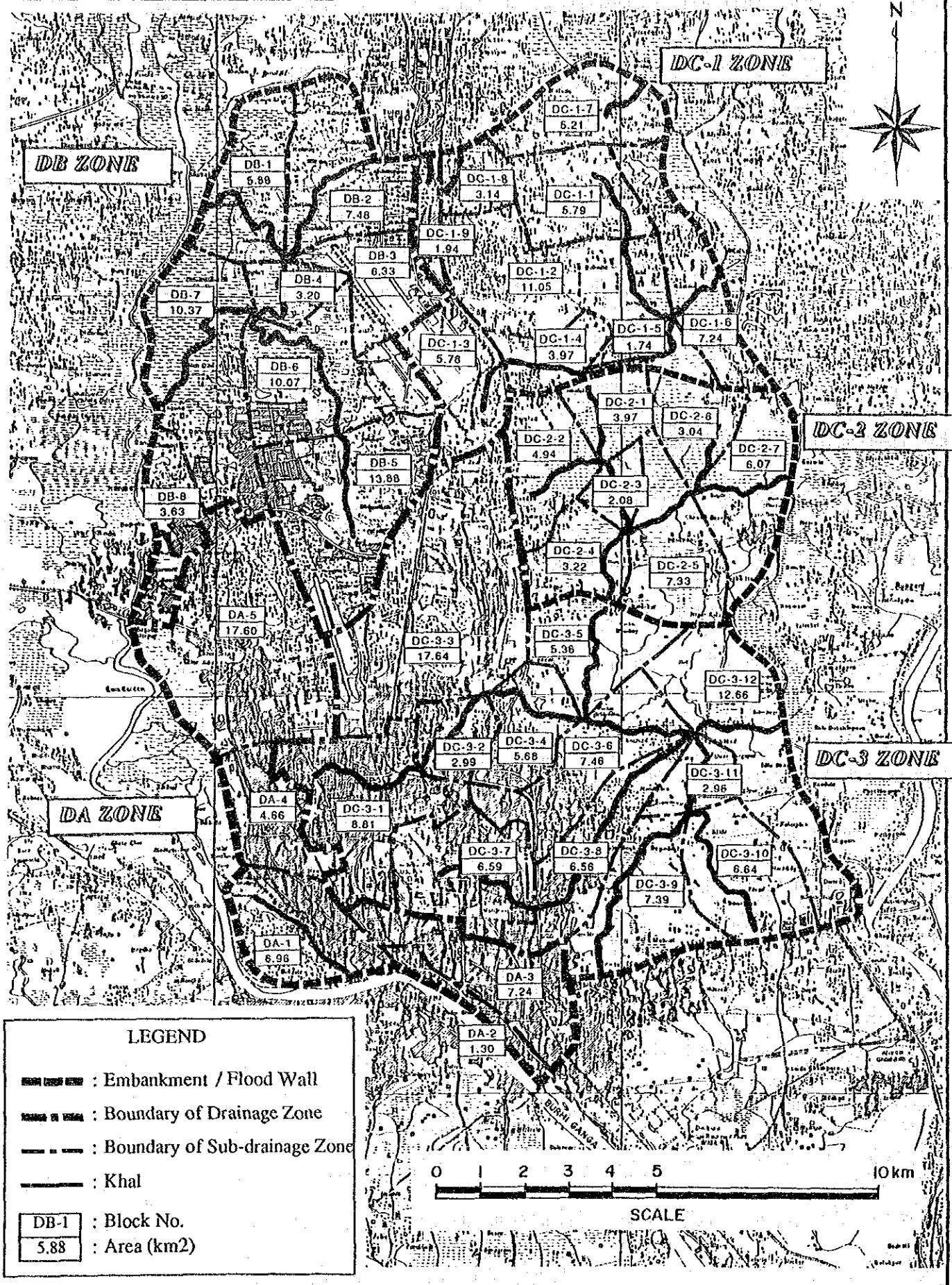


FIG. H.23.(1) SUB-DIVIDED DRAINAGE AREA (GREATER DHAKA)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

JICA

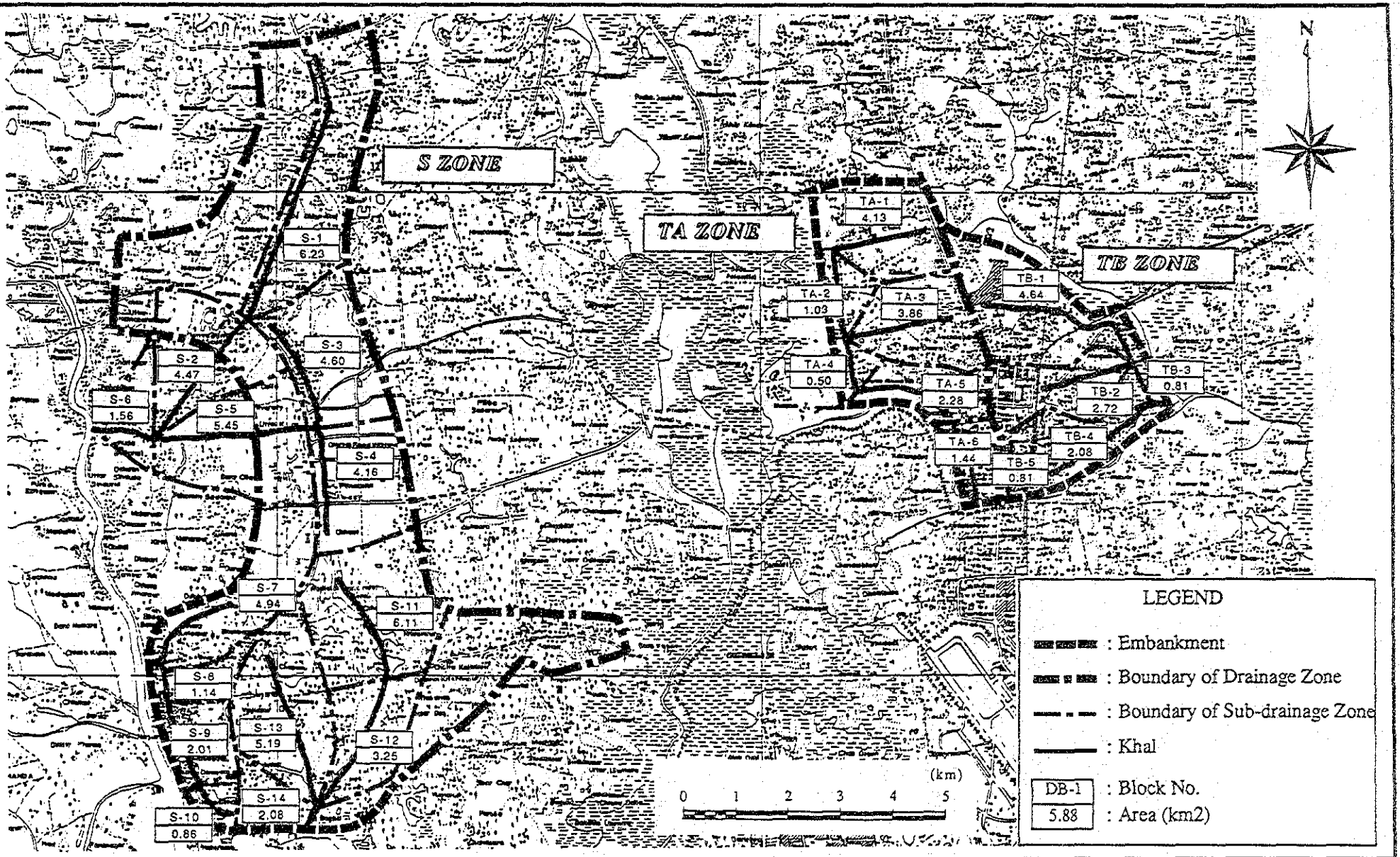
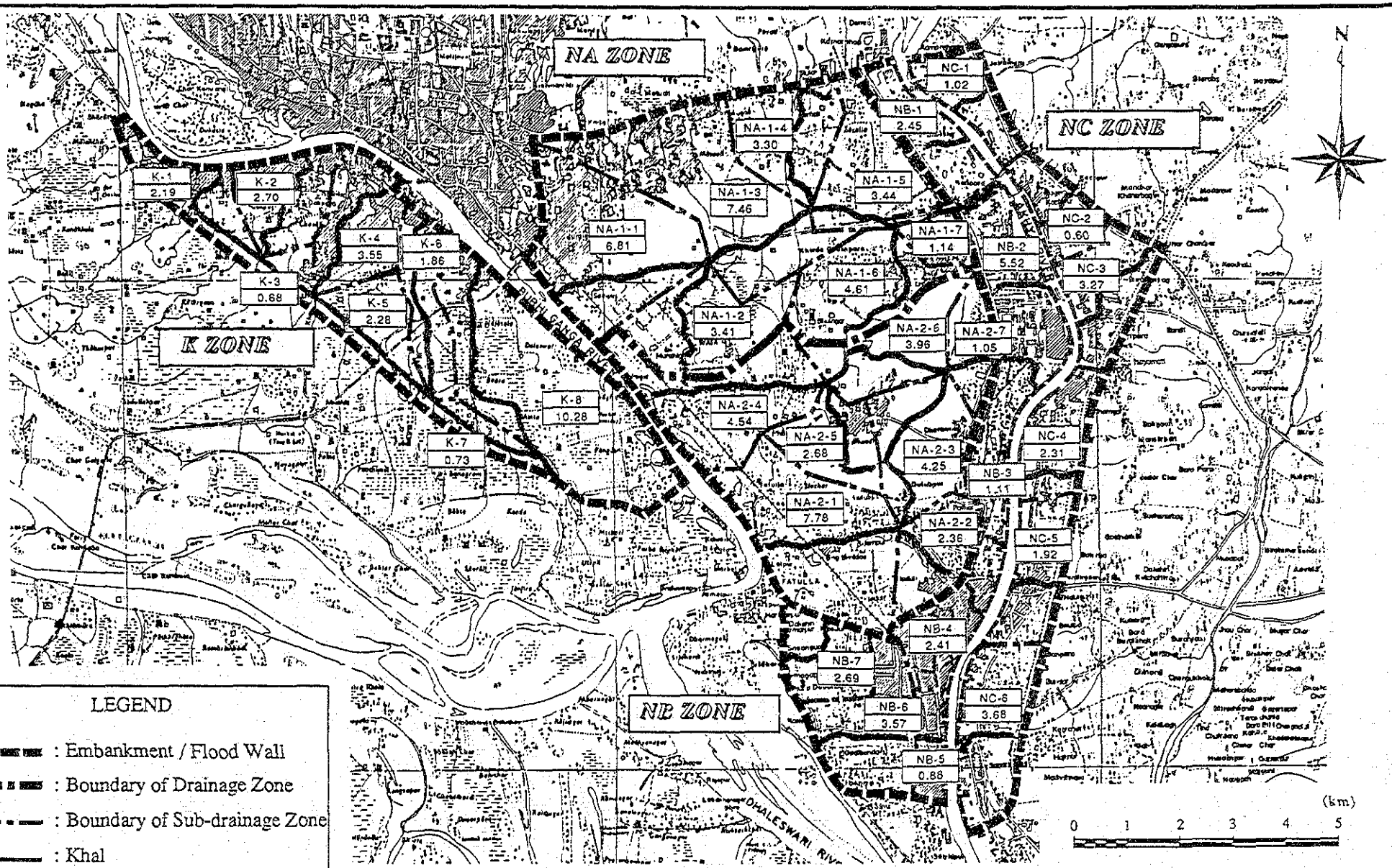


FIG. H.23.(2) SUB-DIVIDED DRAINAGE AREA (TONGI AND SAVAR)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



LEGEND

- : Embankment / Flood Wall
- : Boundary of Drainage Zone
- : Boundary of Sub-drainage Zone
- : Khal

DB-1 : Block No.
5.88 : Area (km2)

FIG. H.23.(3) SUB-DIVIDED DRAINAGE AREA (NARAYANGANJ AND KERANIGANJ)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

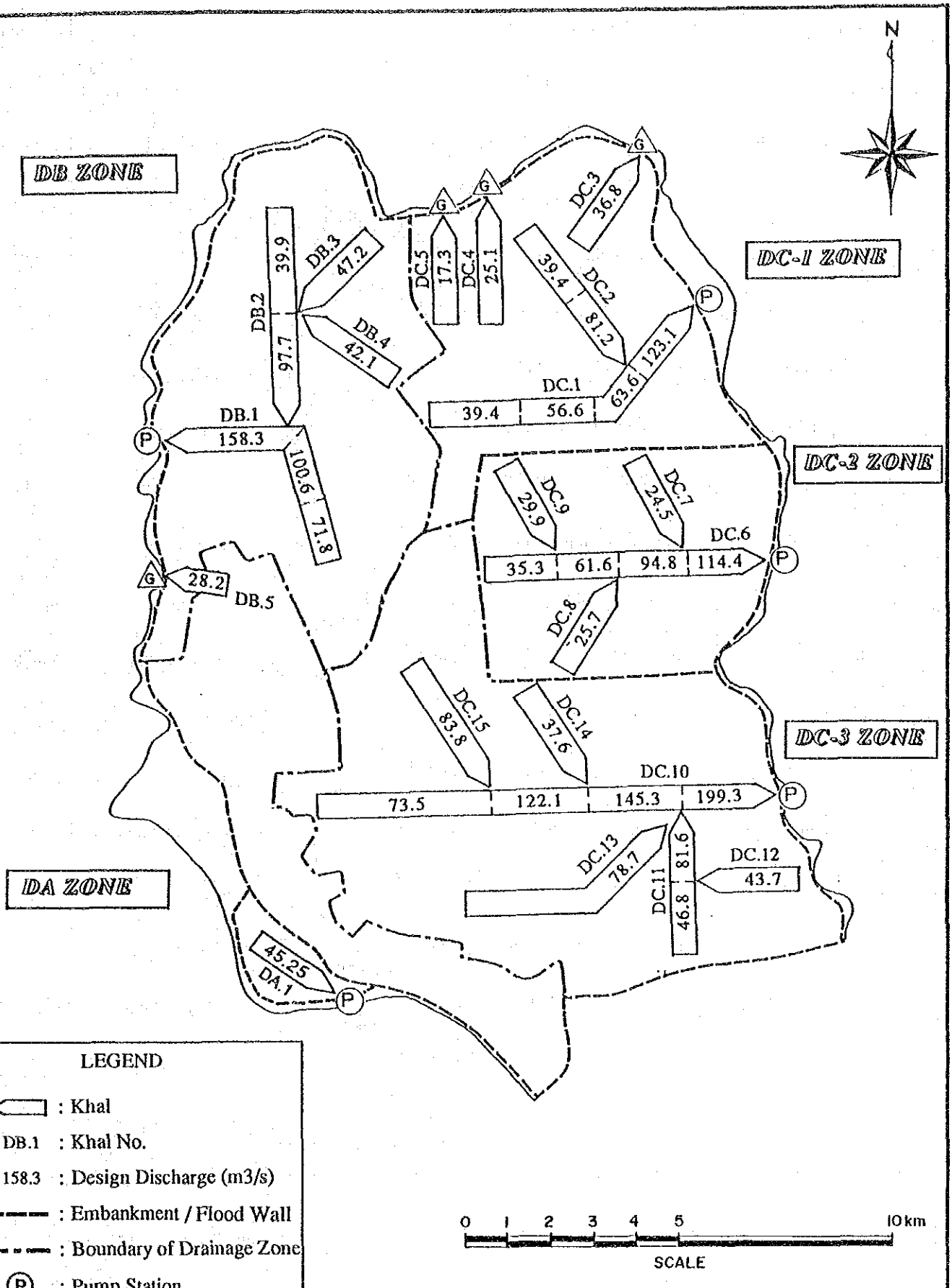
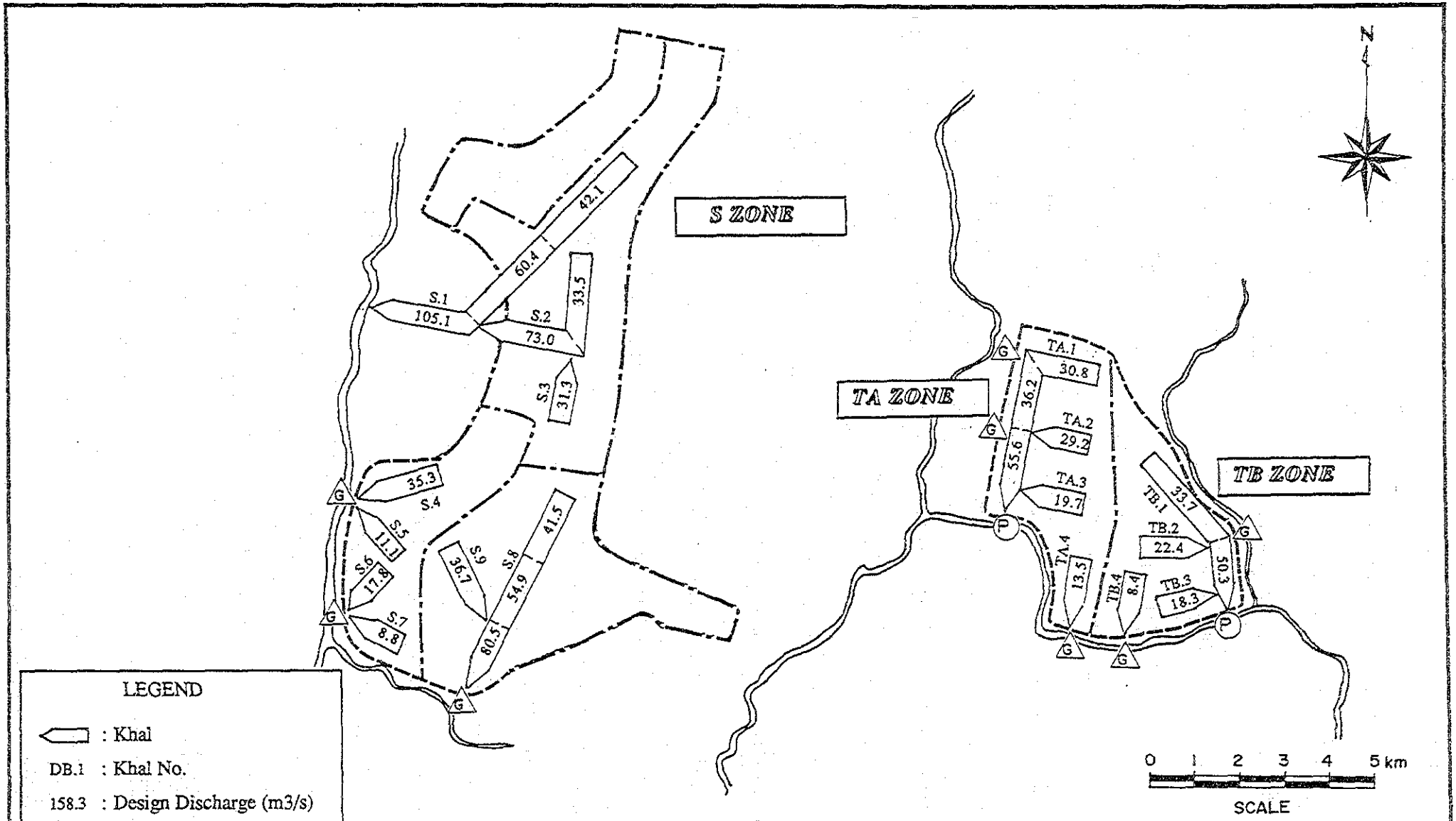


FIG. H.24.(1) DESIGN DISCHARGE OF KHAL IMPROVEMENT AND TRUNK DRAIN (GREATER DHAKA)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



LEGEND

- : Khal
- DB.1 : Khal No.
- 158.3 : Design Discharge (m3/s)
- : Embankment
- : Boundary of Drainage Zone
- (P) : Pump Station
- (G) : Sluice Gate

FIG. H.24.(2) DESIGN DISCHARGE OF KHAL IMPROVEMENT AND TRUNK DRAIN (TONGI AND SAVAR)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

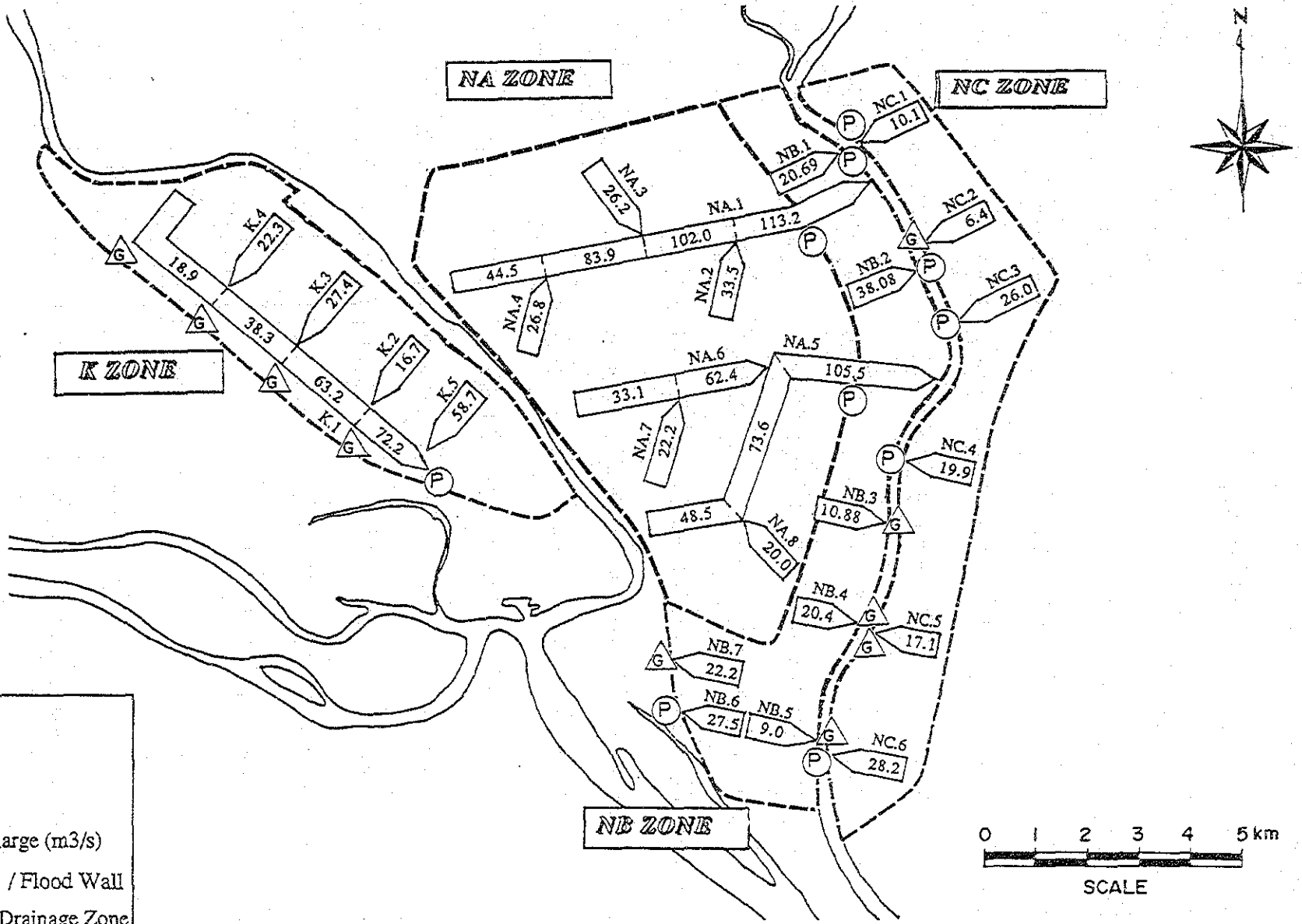
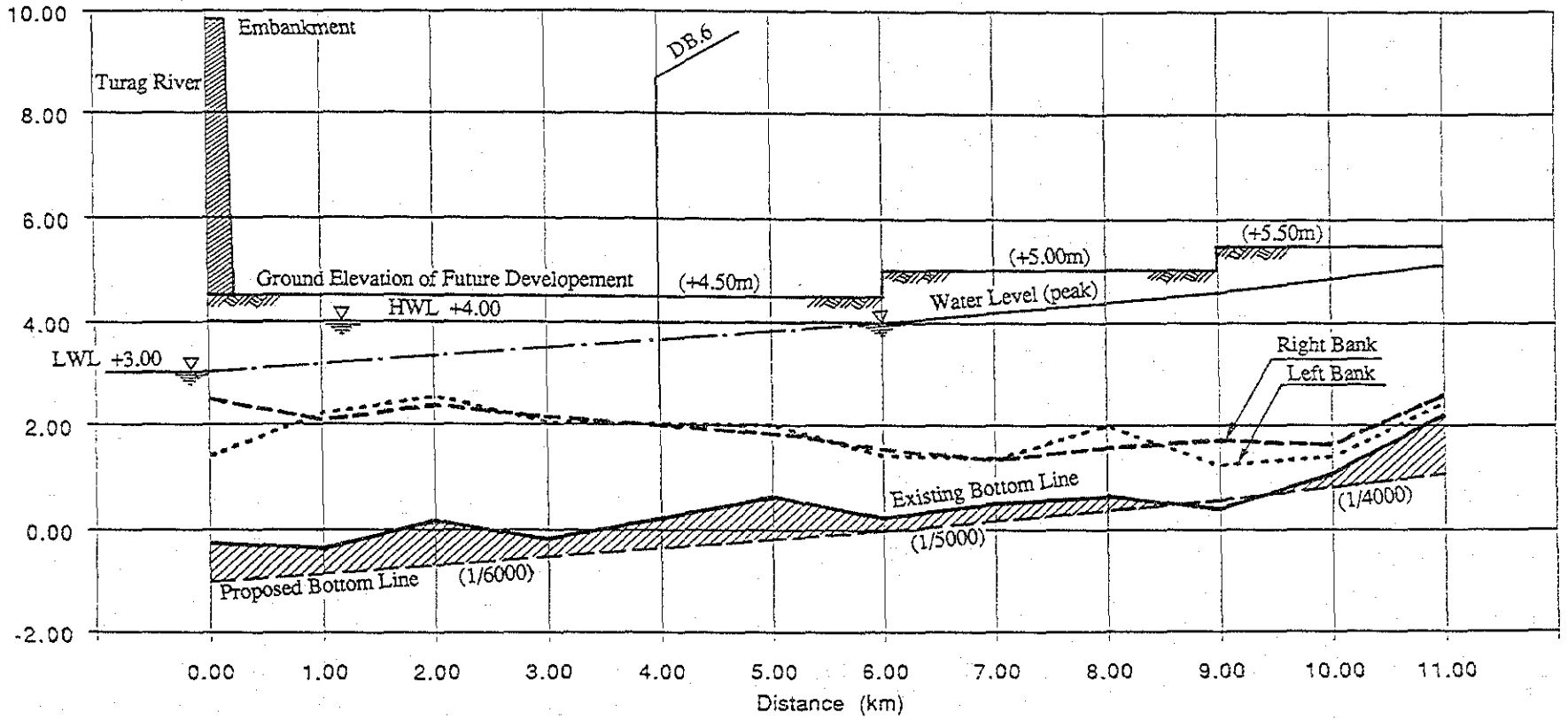


FIG. H.24.(3) DESIGN DISCHARGE OF KHAL IMPROVEMENT AND TRUNK DRAIN (NARAYANGANJ AND KERANIGANJ)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



Section No.	DB.1-1	DB.1-2	DB.1-3

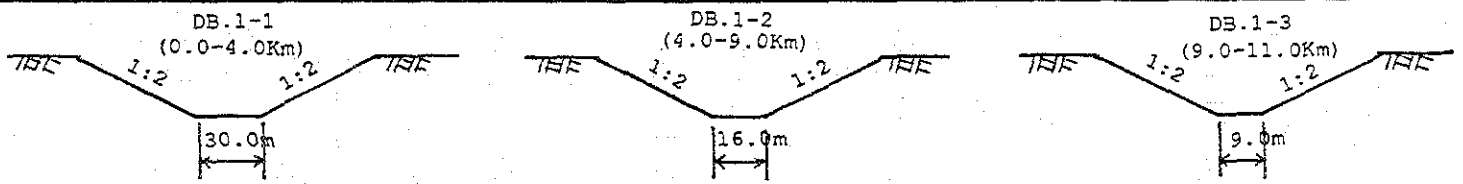
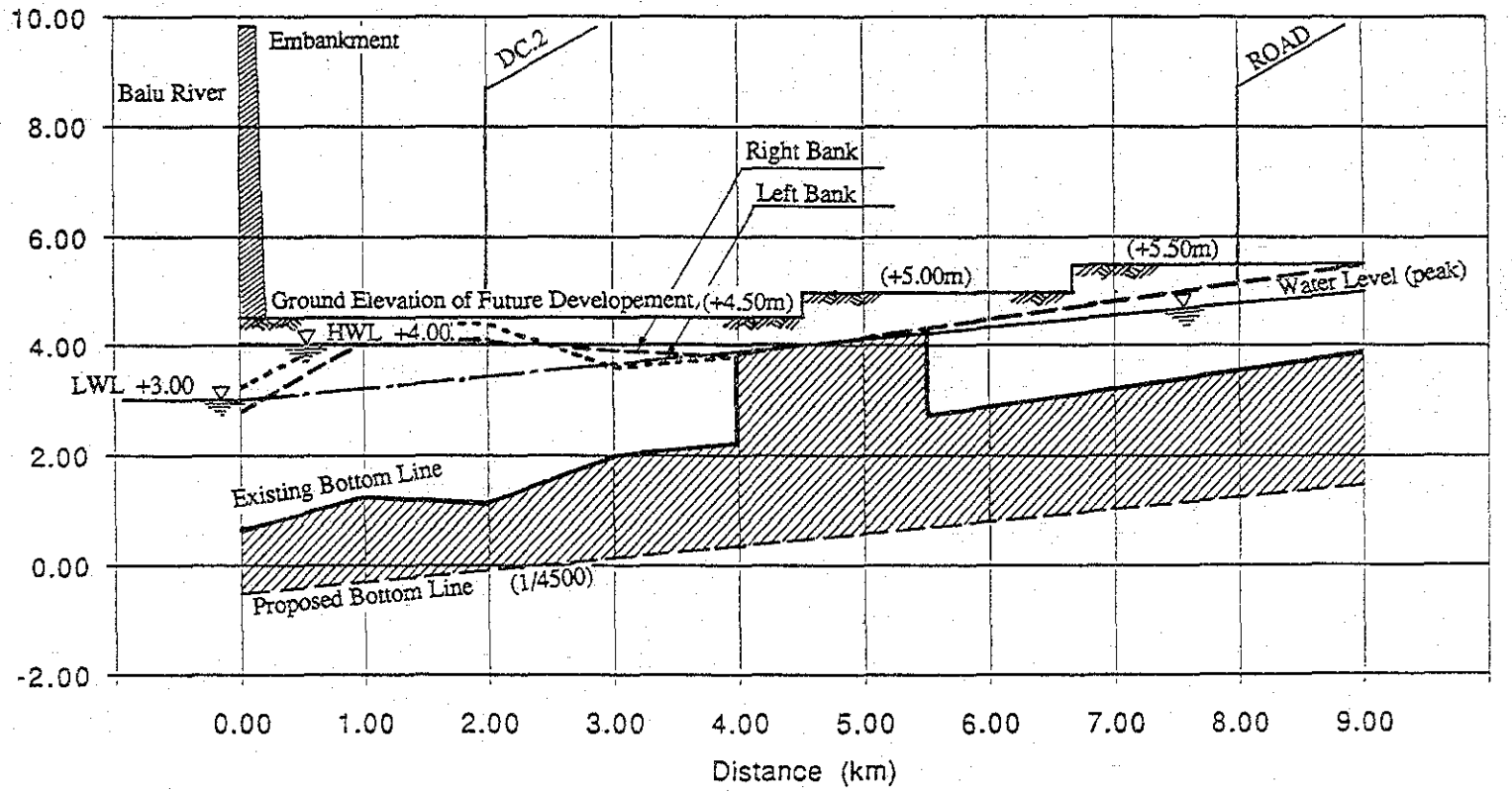


FIG. H.25.(1) PROPOSED LONGITUDINAL AND CROSS SECTIONS (DB.1 : IBRAHIMPUR KHAL)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



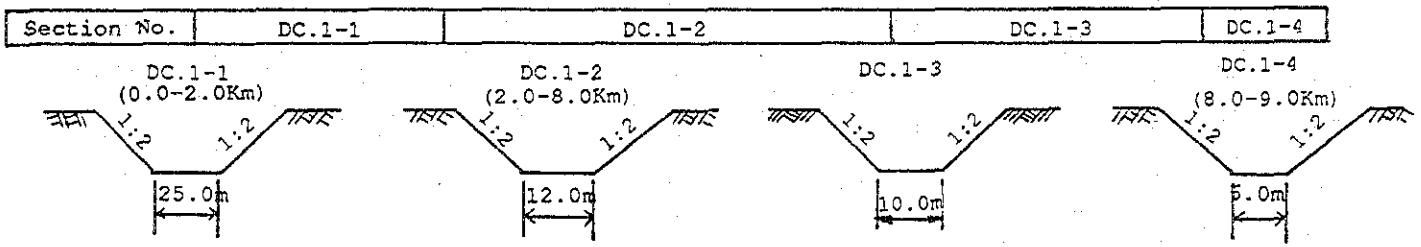
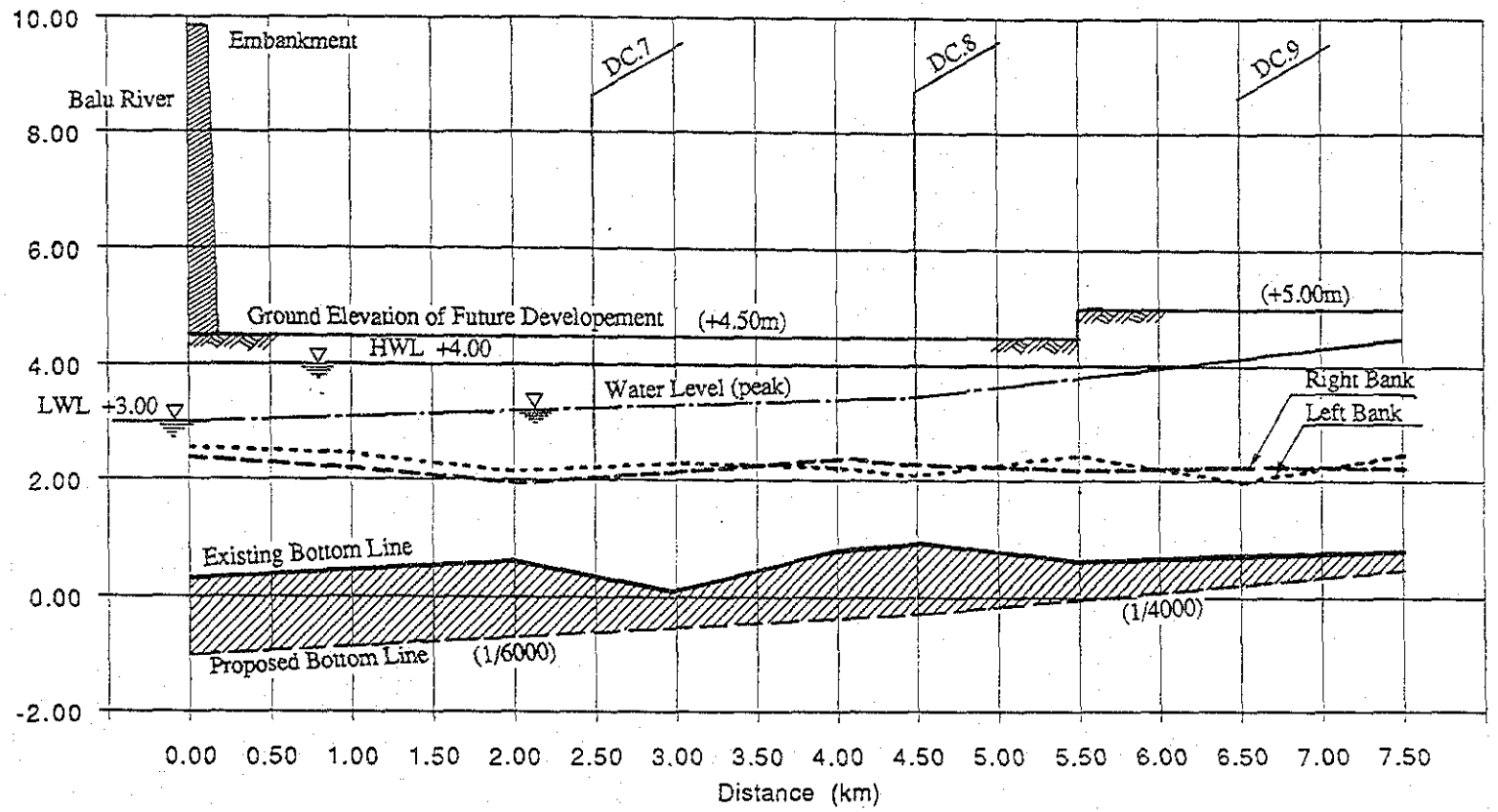


FIG. H.25.(2) PROPOSED LONGITUDINAL AND CROSS SECTIONS (DC.1)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



Section No.	DC.6-1	DC.6-2	DC.6-3	DC.6-4

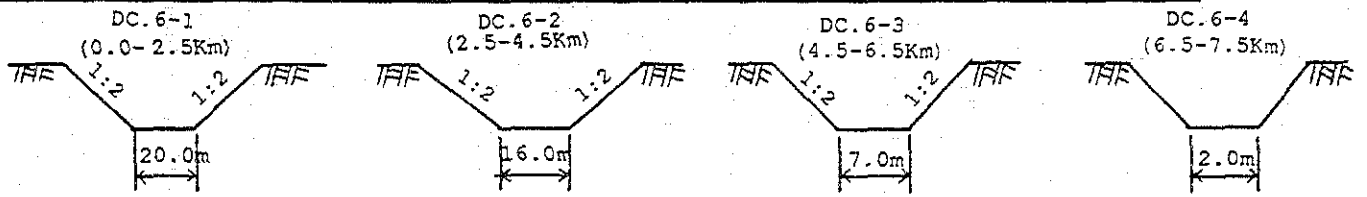
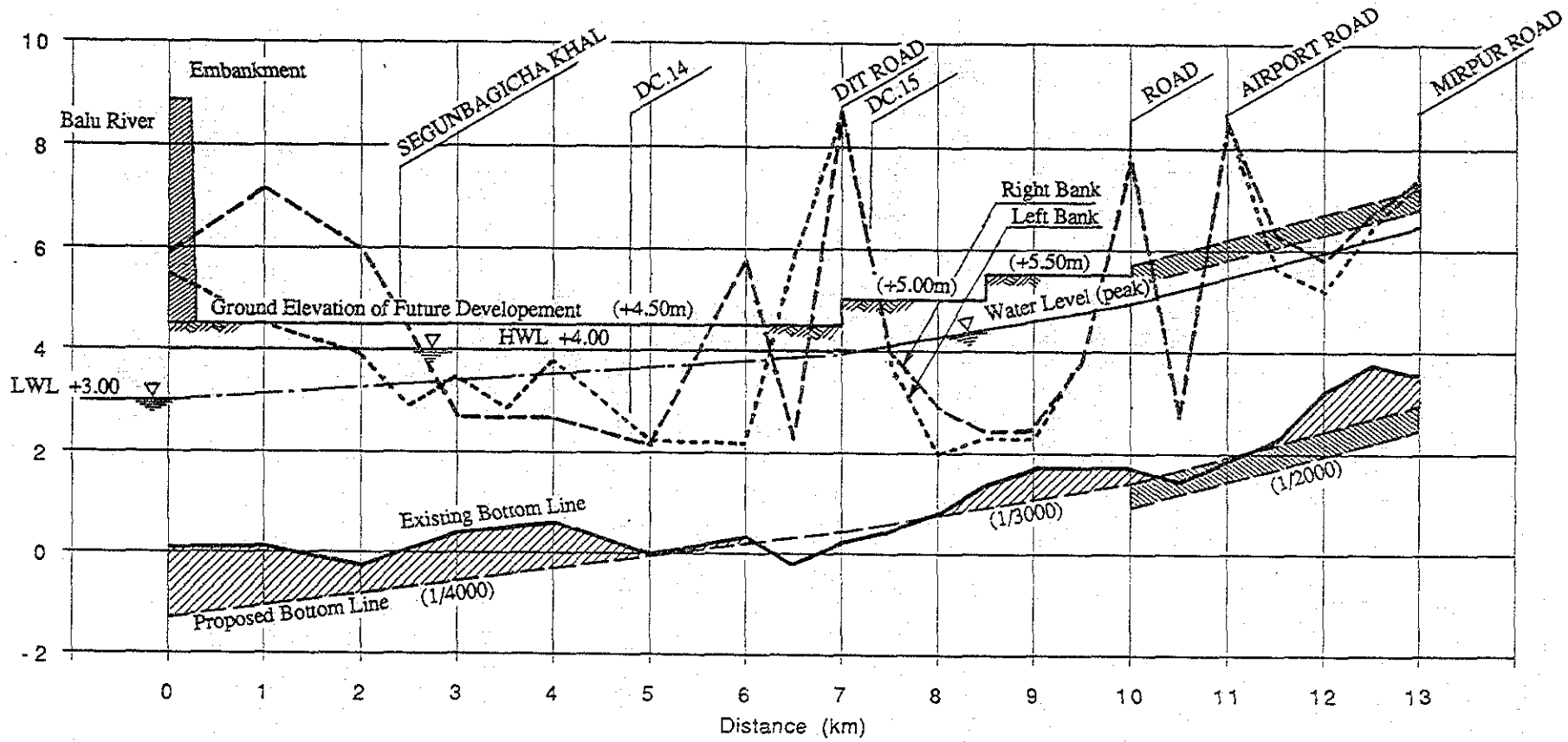


FIG. H.25.(3) PROPOSED LONGITUDINAL AND CROSS SECTIONS (DC.6 : BEHANALI KHAL)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



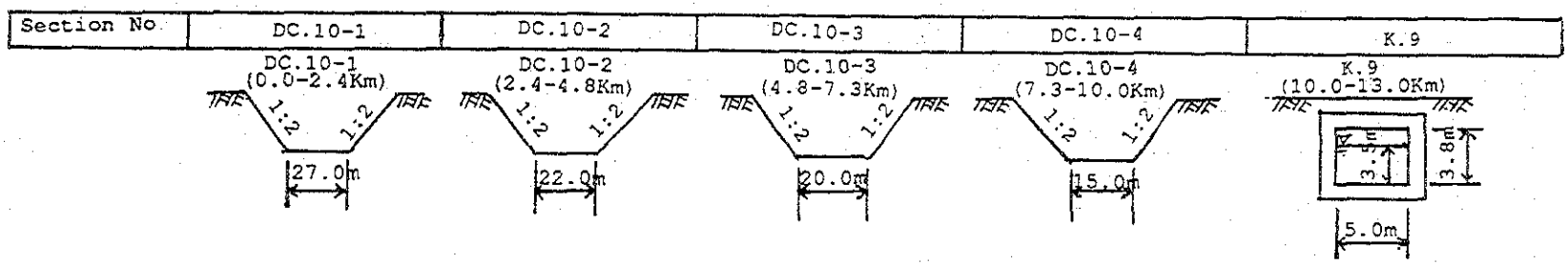
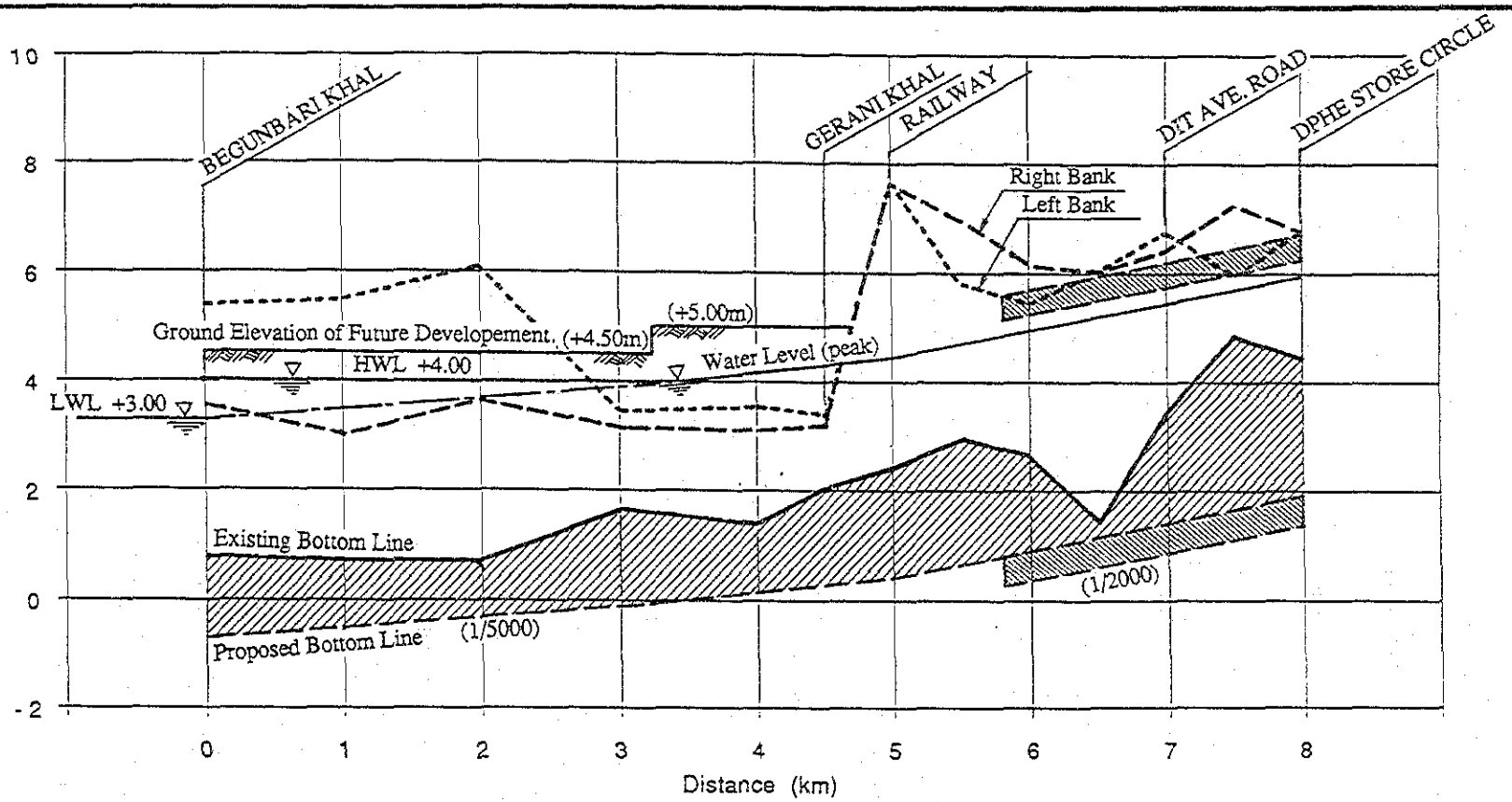


FIG. H.25.(4) PROPOSED LONGITUDINAL AND CROSS SECTIONS (DC.10 : BEGUNBARI KHAL)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



Section No.	DC.13	K.5(1)	K.5(2)

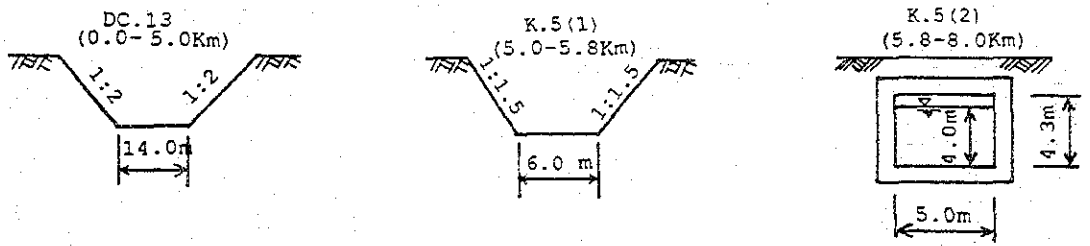
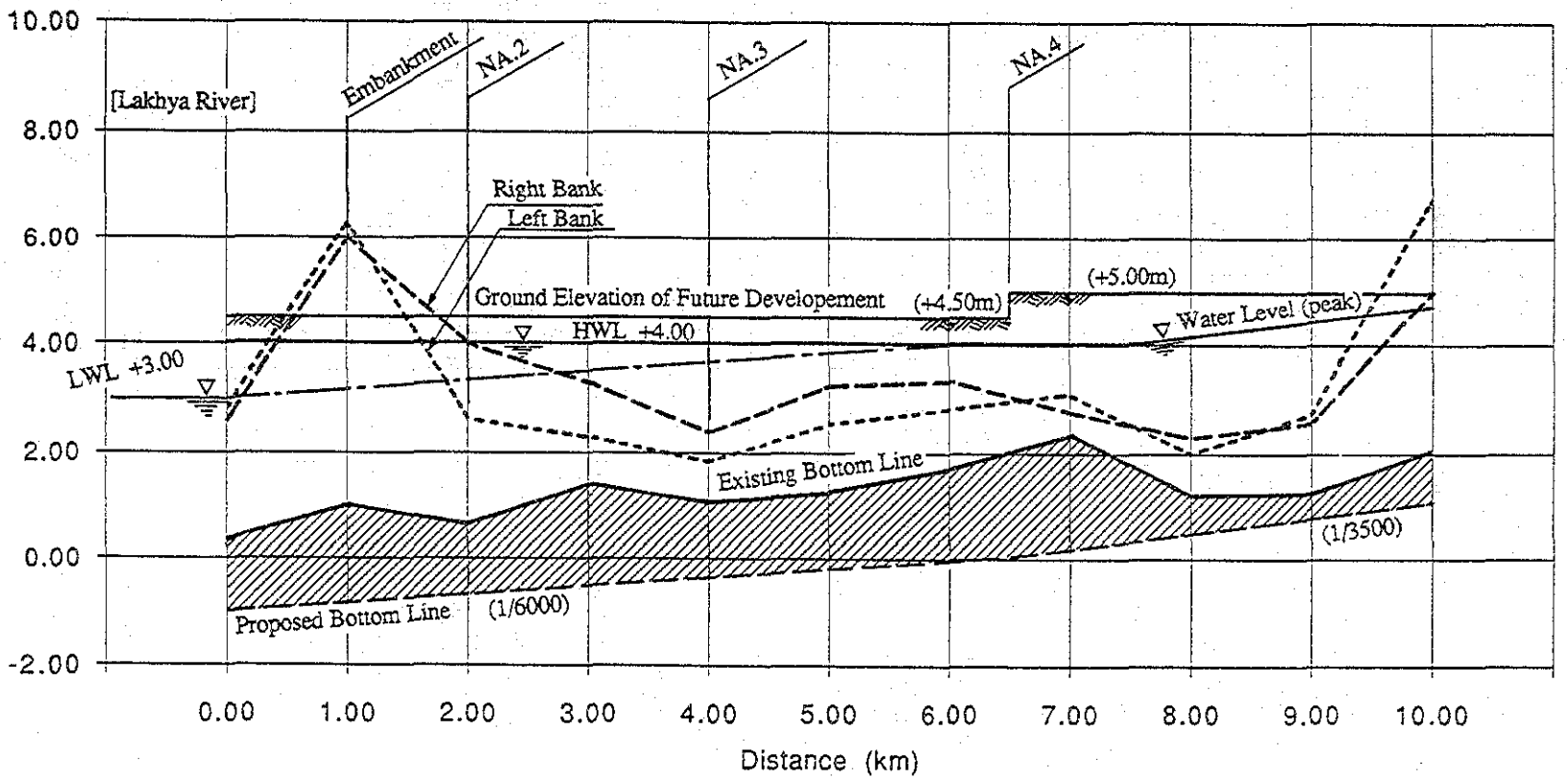


FIG. H.25.(5) PROPOSED LONGITUDINAL AND CROSS SECTIONS (DC.13 : SEGUNBAGICHA KHAL)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



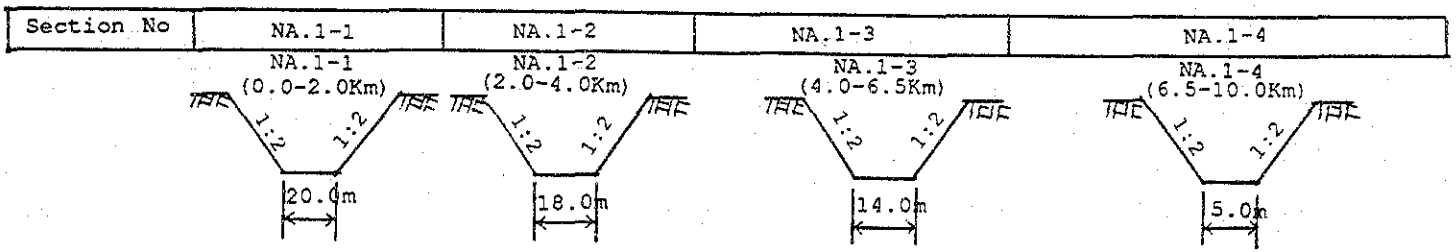
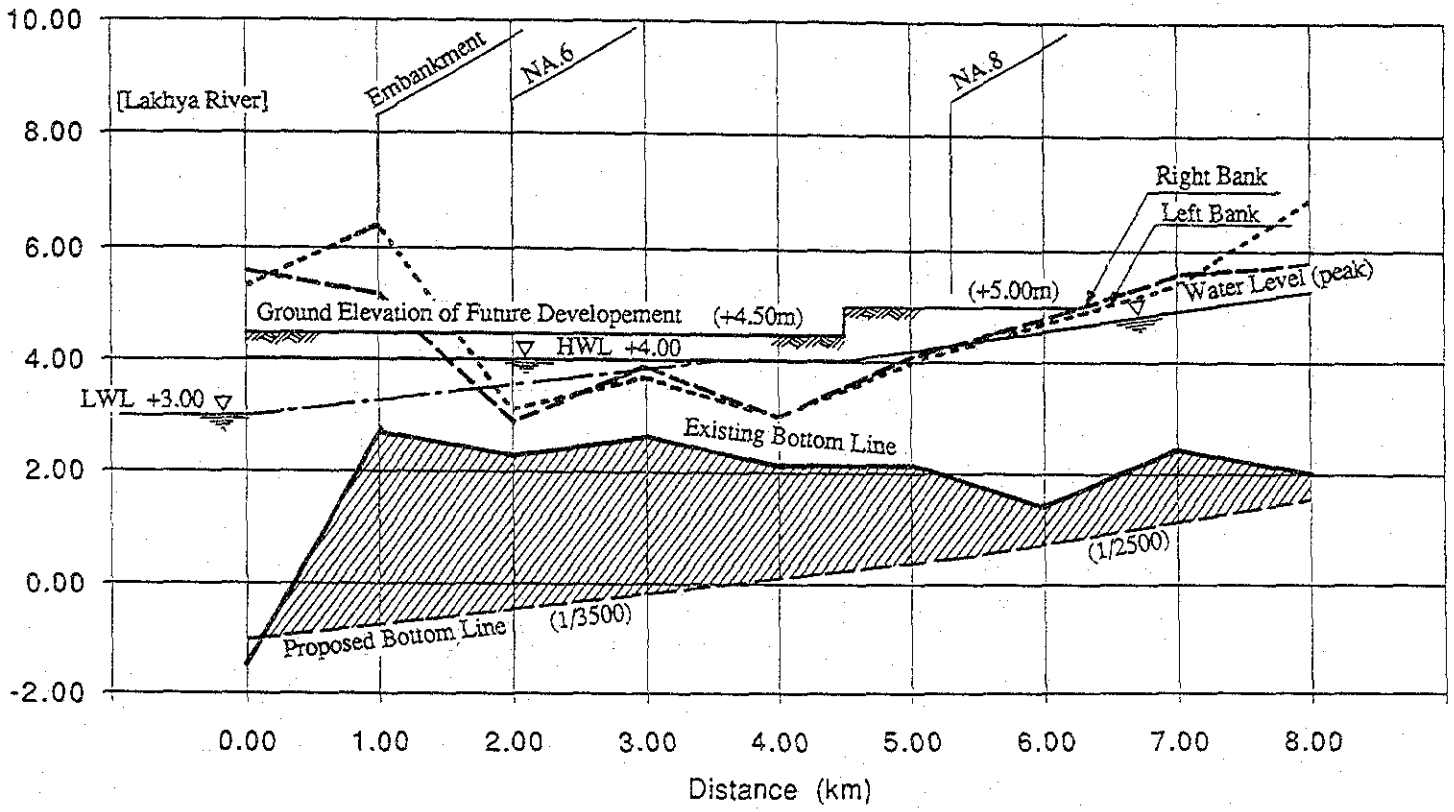


FIG. H.25.(6) PROPOSED LONGITUDINAL AND CROSS SECTIONS (NA.1)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



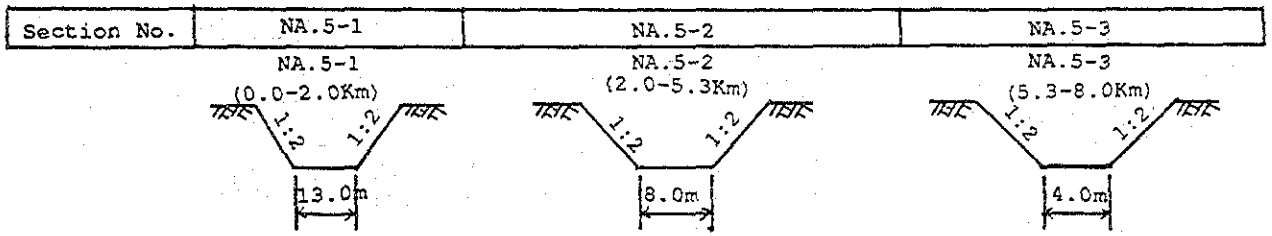
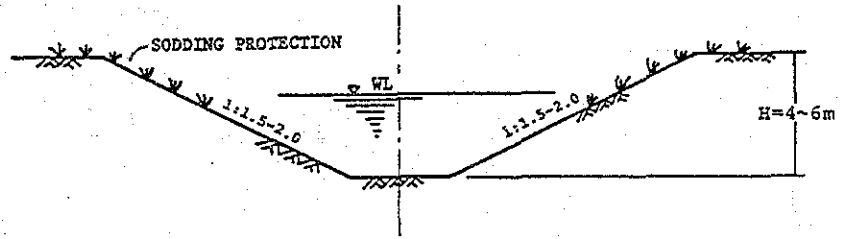


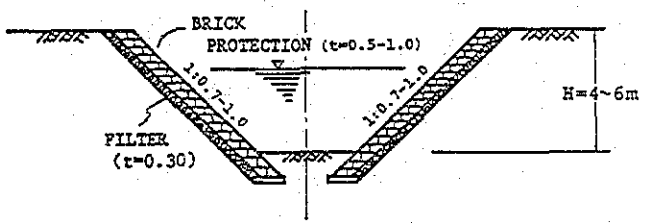
FIG. H.25.(7) PROPOSED LONGITUDINAL AND CROSS SECTIONS (NA.5)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

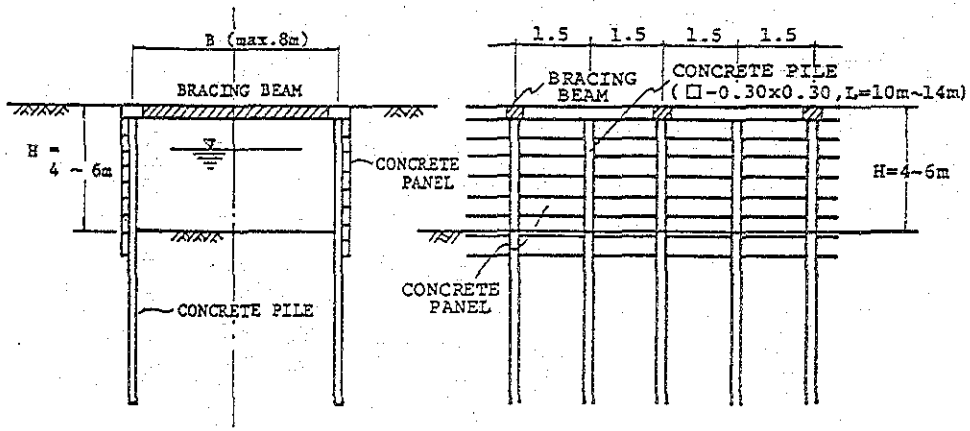
TYPE - 1 : TRAPEZOIDAL TYPE (1) - SODDING PROTECTION



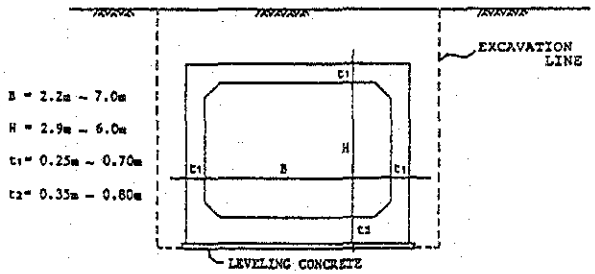
TYPE - 2 : TRAPEZOIDAL TYPE (2) - BRICK PROTECTION



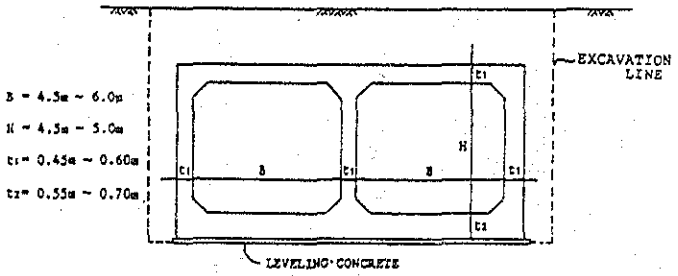
TYPE - 3 : CONCRETE PANEL WALL TYPE (1) - WITH BRACING BEAM



TYPE - 1 SINGLE BOX CULVERT



TYPE - 2 DOUBLE BOX CULVERT



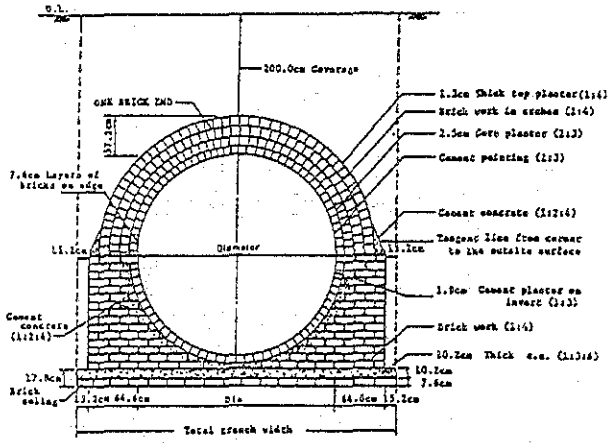


FIG. H.26 TYPICAL DESIGN OF IMPROVEMENT OF KHAL AND TRUNK DRAIN

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

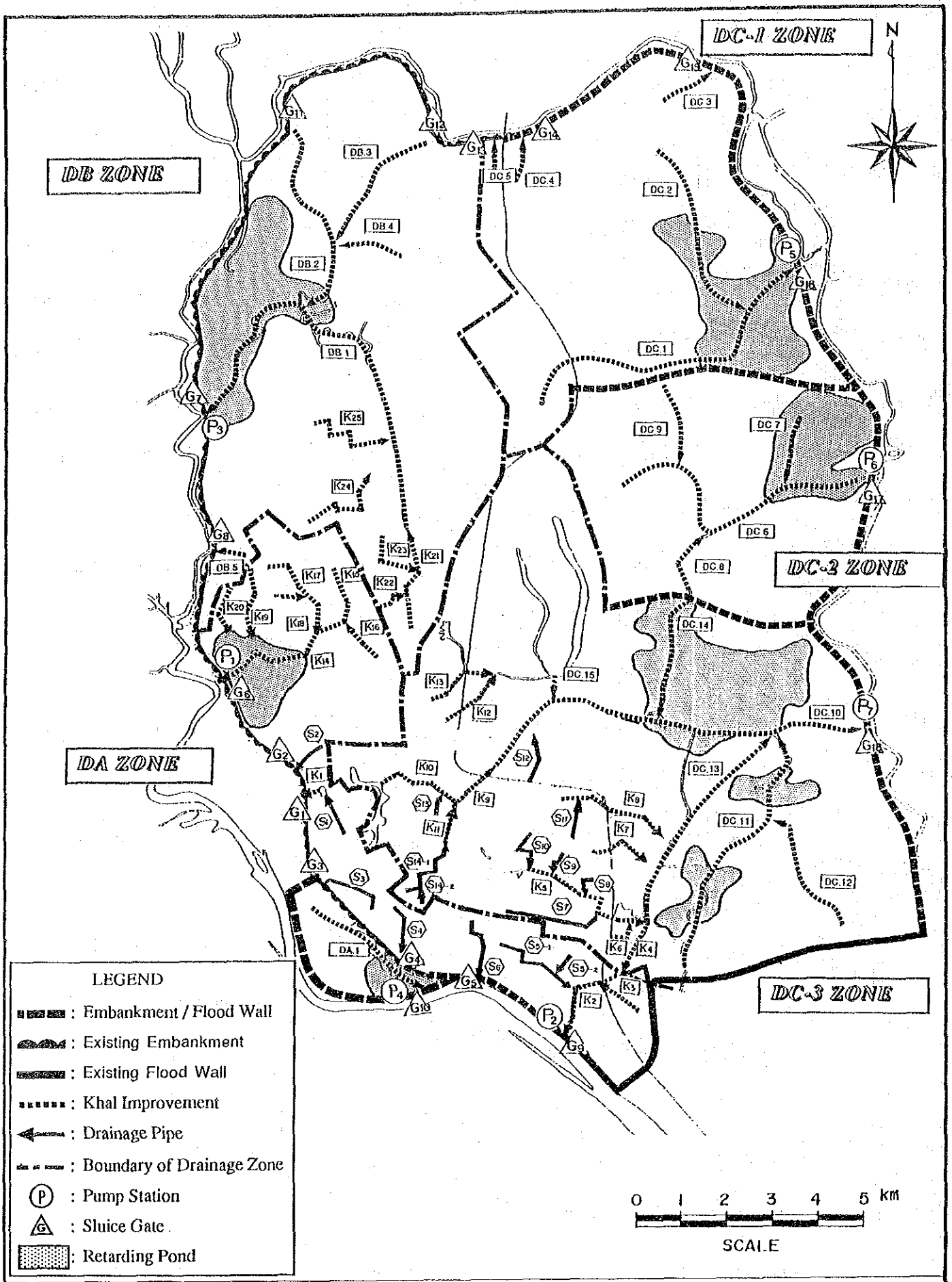


FIG. H.27 (1) PROPOSED FACILITIES (GREATER DHAKA)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

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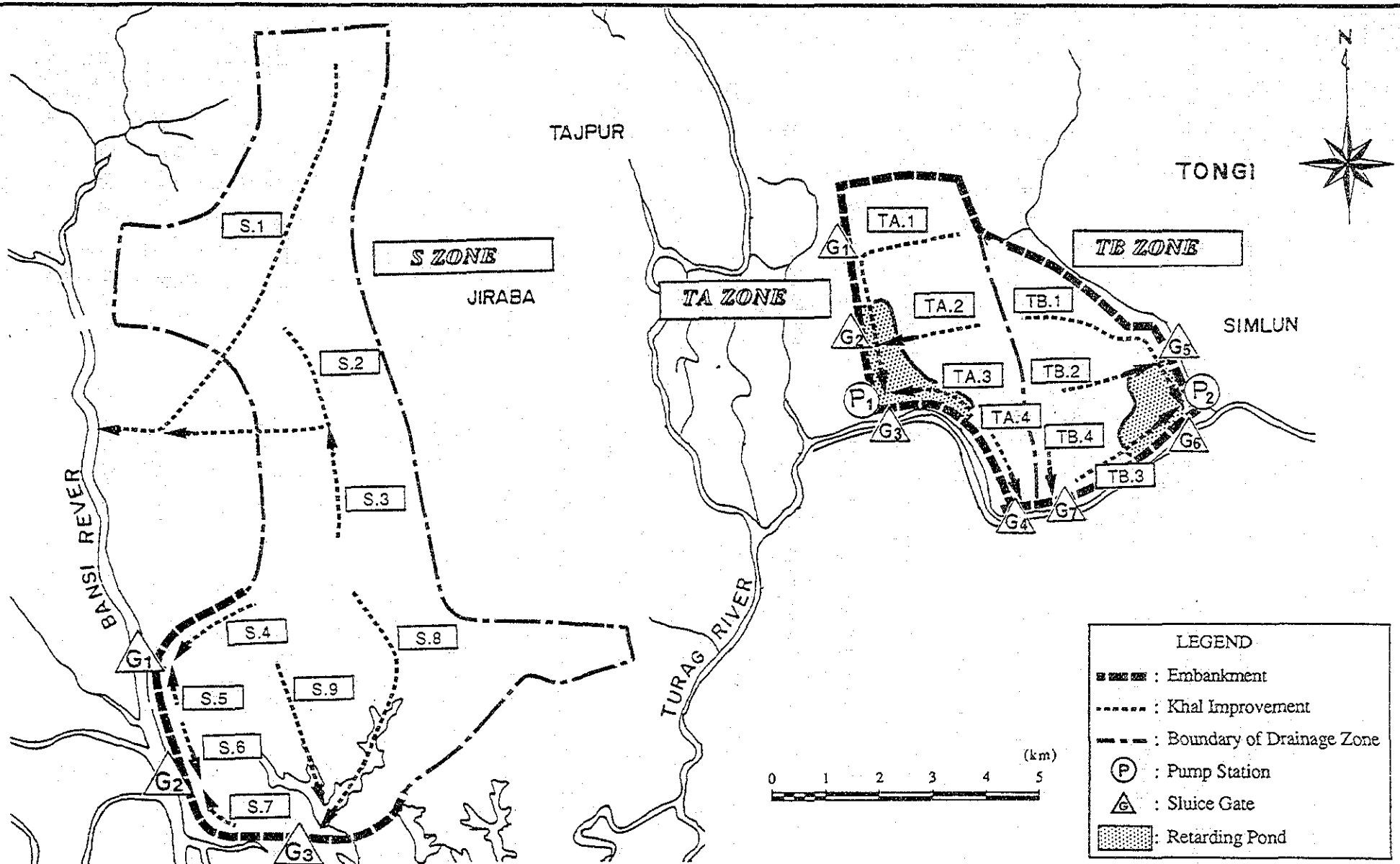

FIG. H.27 (2) PROPOSED FACILITIES (TONGI AND SAVAR)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

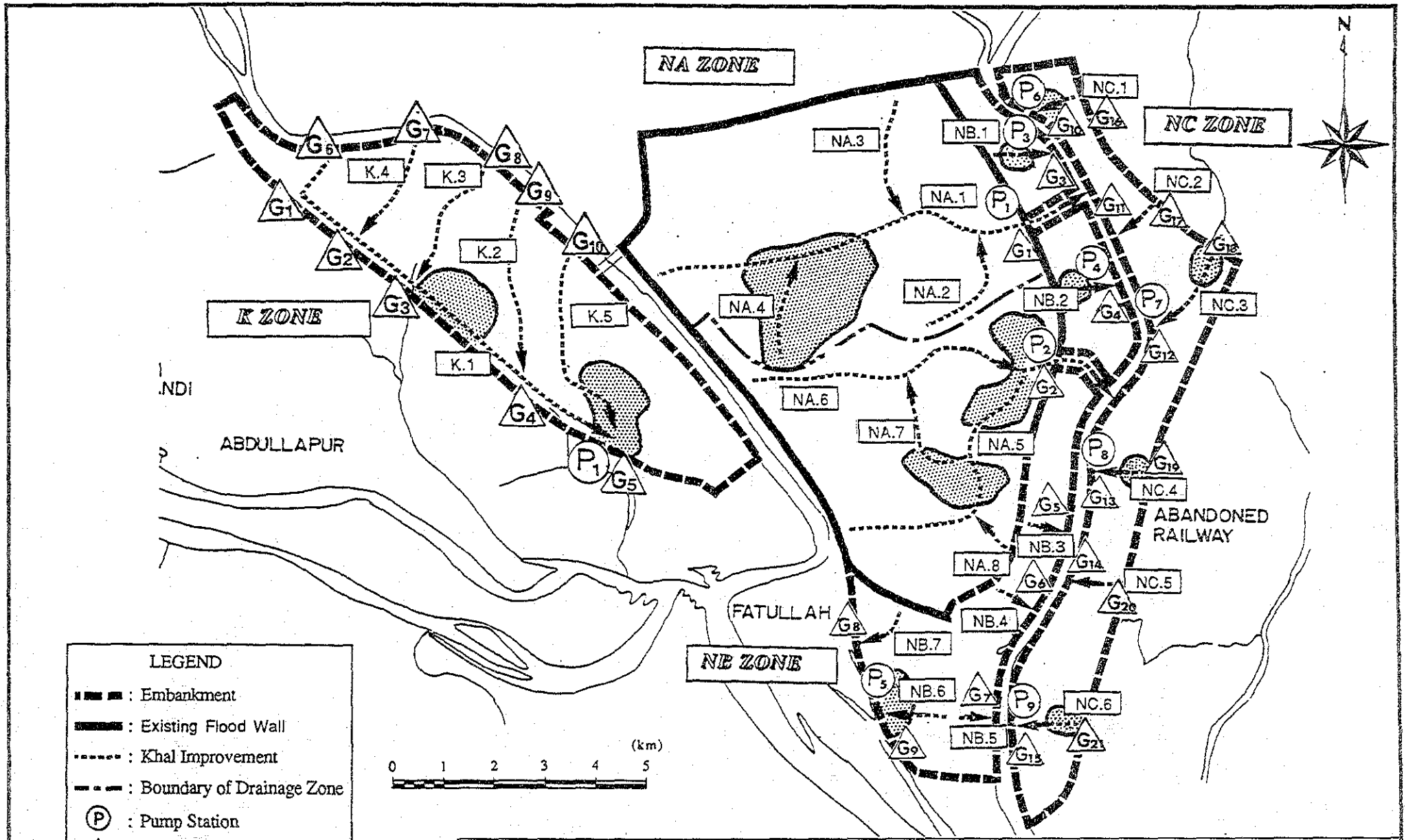

FIG. H.27 (3) PROPOSED FACILITIES (NARAYANGANJ AND KERANIGANJ)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

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