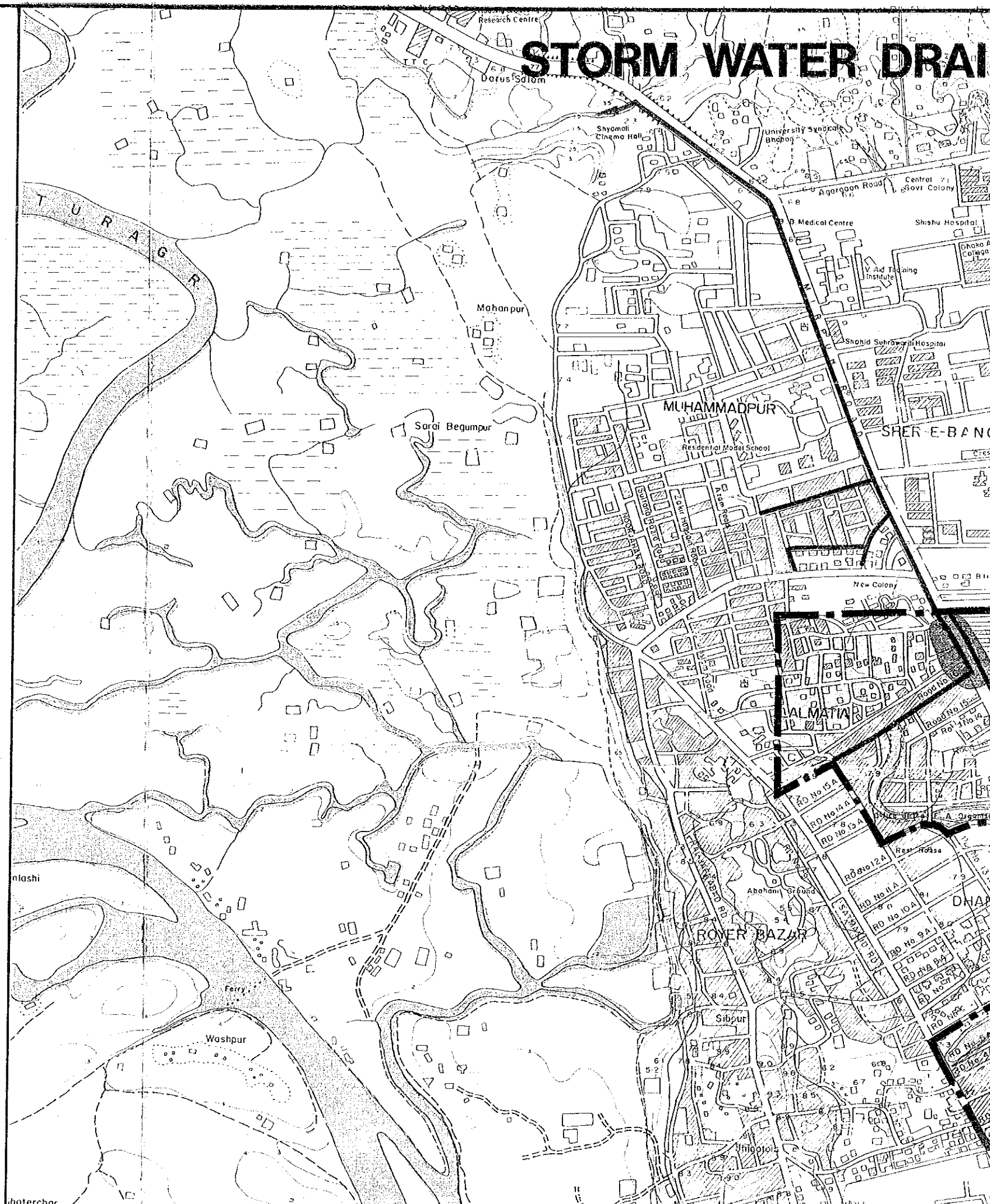


STORM WATER DRAIN

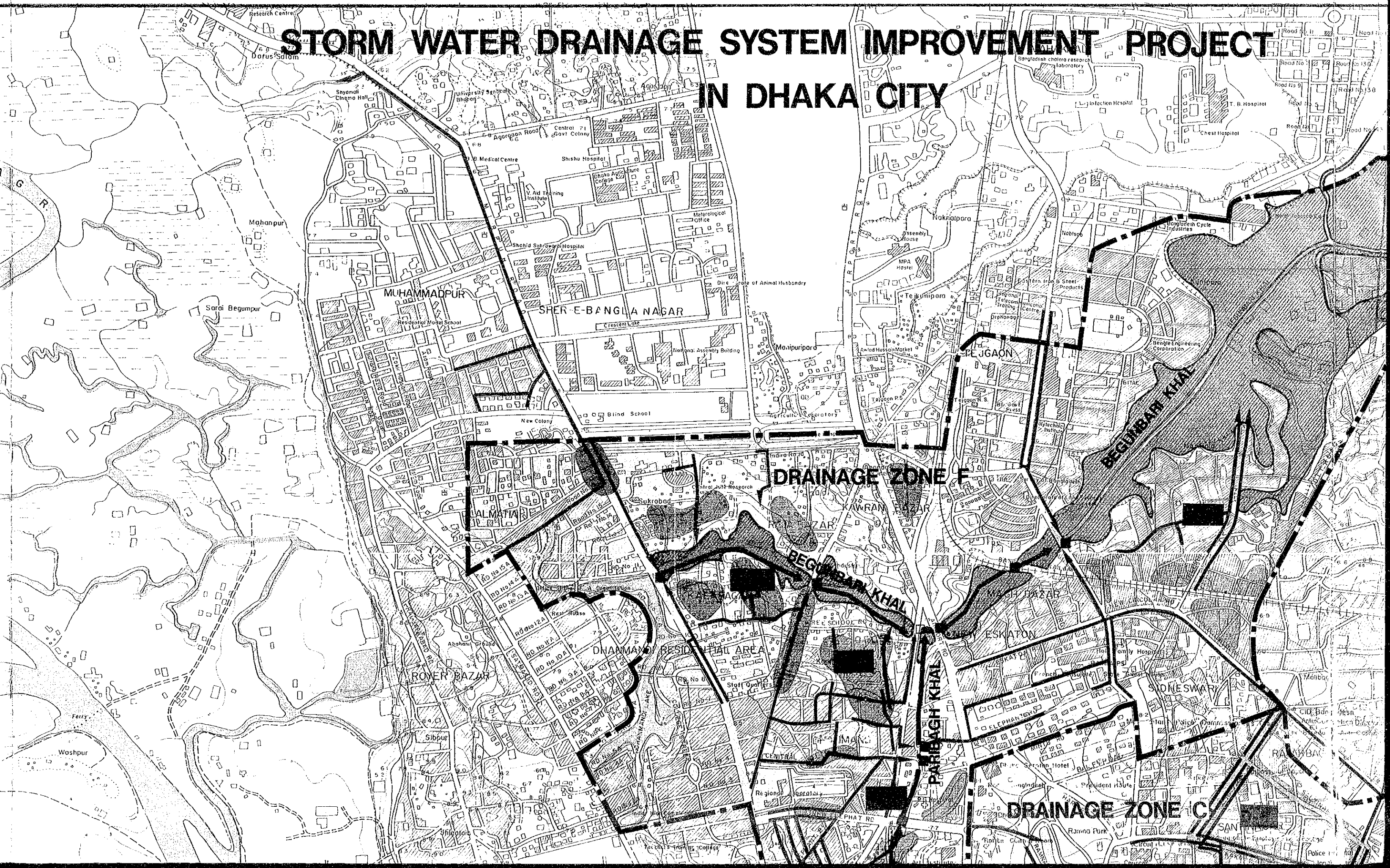
PROPOSED FLOOD PROTECTION AND DRAINAGE FACILITIES IN THE PRIORITY AREA

Facility	Quantity	Description
I. Dike (Earth Embankment)	L=4,800m	H=6.0m x B(Top)=6.0m
II. Pump Station (P.S.)		
P-1 : Rehabilitation of Exist.	1 place	$\phi=1,000 \times 4$ Units, $Q=9.6 \text{ m}^3/\text{s}$
P-2 : Additional	1 place	$\phi=1,000 \times 4$ Units, $Q=9.2 \text{ m}^3/\text{s}$
III. Gate		
G-1 : Narinda	1 place	H=6.0m x B=6.0m
G-2 : Rajarbagh	1 place	H=6.0m x B=6.0m
IV. Khal Improvement	L=13,100m in Total	
K-1 : Dholai	L1 = 3,000 m	Box Culvert 1 place
K-2 : Gandaria	L2 = 1,200 m	
K-3 : Gerani	L3 = 2,100 m	
K-4 : Segunbagicha	L4 = 3,000 m	Box Culvert / Bridge 13 places
K-5 : Begunbari	L5 = 2,800 m	Box Culvert 5 places
K-6 : Paribagh	L6 = 1,000 m	Box Culvert 3 places
V. Drainage Pipe	L = 12,500m in Total	
D-1 : Narinda	L1 = 2,800 m	\square - Ave. 3.0mx3.0m , $\phi=2.8\text{m}-1.9\text{m}$
D-2 : Narinda (Diversion)	L2 = 1,480 m	\square - 2.9mx2.2m
D-3 : Old Railway Road	L3 = 2,500 m	\square - 3.0mx2.6m , $\phi=3.0\text{m}-1.9\text{m}$
D-4 : Circular Road	L4 = 540 m	$\phi=1.5\text{m}$
D-5 : DIT Avenue	L5 = 720 m	$\phi=2.7\text{m}-1.9\text{m}$
D-6 : Santinagar	L6 = 1,050 m	$\phi=2.6\text{m}-2.1\text{m}$
D-7 : Nayatola	L7 = 1,100 m	$\phi=2.8\text{m}-2.4\text{m}$
D-8 : Dhanmondi	L8 = 450 m	$\phi=1.8\text{m}$
D-9 : Dhaka University	L9 = 1,860 m	$\phi=3.7\text{m}-2.1\text{m}$
VI. Regulating Pond	A = 1.85 km ² in Total	
R-1 : Jatrabari Pond	A = 1.38 km ²	Storage Capacity : $1.78 \times 10^6 \text{ m}^3$
R-2 : Gandaria Pond	A = 0.47 km ²	Storage Capacity : $0.40 \times 10^6 \text{ m}^3$

Note : (□) shows R.C.Box Culvert Type.
 (φ) shows Brick Drainage Pipe.

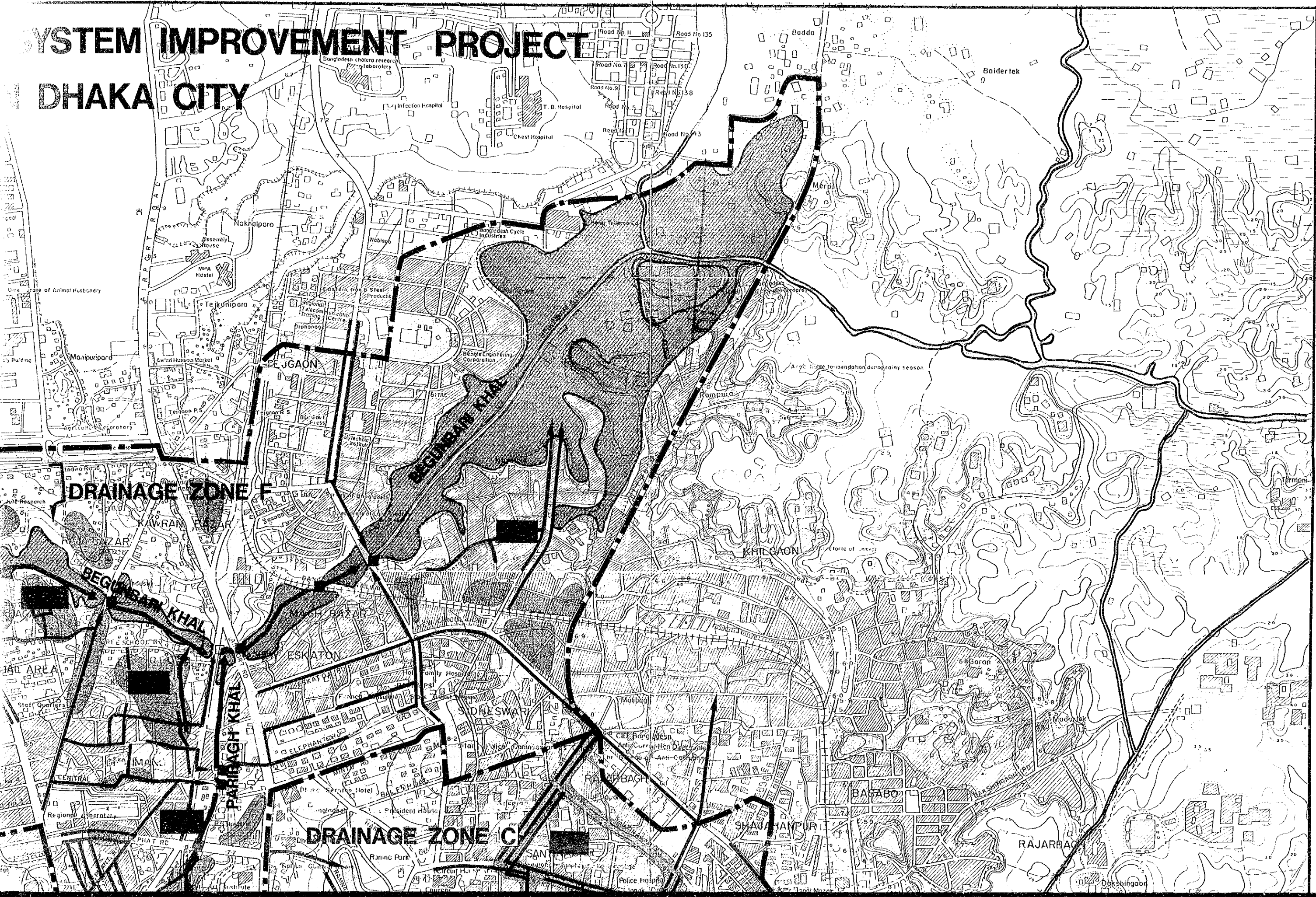


STORM WATER DRAINAGE SYSTEM IMPROVEMENT PROJECT IN DHAKA CITY



SEWERAGE SYSTEM IMPROVEMENT PROJECT

DHAKA CITY



K-2 : Gandaria	L2 = 1,200 m	
K-3 : Gerani	L3 = 2,100 m	
K-4 : Segunbagicha	L4 = 3,000 m	Box Culvert / Bridge 13 places
K-5 : Begunbari	L5 = 2,800 m	Box Culvert 5 places
K-6 : Paribagh	L6 = 1,000 m	Box Culvert 3 places
V. Drainage Pipe		
	L = 12,500m in Total	
D-1 : Narinda	L1 = 2,800 m	Ø- Ave. 3.0mx3.0m , ø=2.8m-1.9m
D-2 : Narinda (Diversion)	L2 = 1,480 m	Ø- 2.9mx2.2m
D-3 : Old Railway Road	L3 = 2,500 m	Ø- 3.0mx2.6m
D-4 : Circular Road	L4 = 540 m	ø=1.5m
D-5 : DIT Avenue	L5 = 720 m	ø=2.7m-1.9m
D-6 : Santinagar	L6 = 1,050 m	ø=2.6m-2.1m
D-7 : Nayatola	L7 = 1,100 m	ø=2.8m-2.4m
D-8 : Dhanmondi	L8 = 450 m	ø=1.8m
D-9 : Dhaka University	L9 = 1,860 m	ø=3.7m-2.1m
VI. Regulating Pond		
	A = 1.85 km ² in Total	
R-1 : Jatrabari Pond	A = 1.38 km ²	Storage Capacity : 1.78x10 ⁶ m ³
R-2 : Gandaria Pond	A = 0.47 km ²	Storage Capacity : 0.40x10 ⁶ m ³









Note : (Ø) shows R.C.Box Culvert Type.
(ø) shows Brick Drainage Pipe.

LEGEND

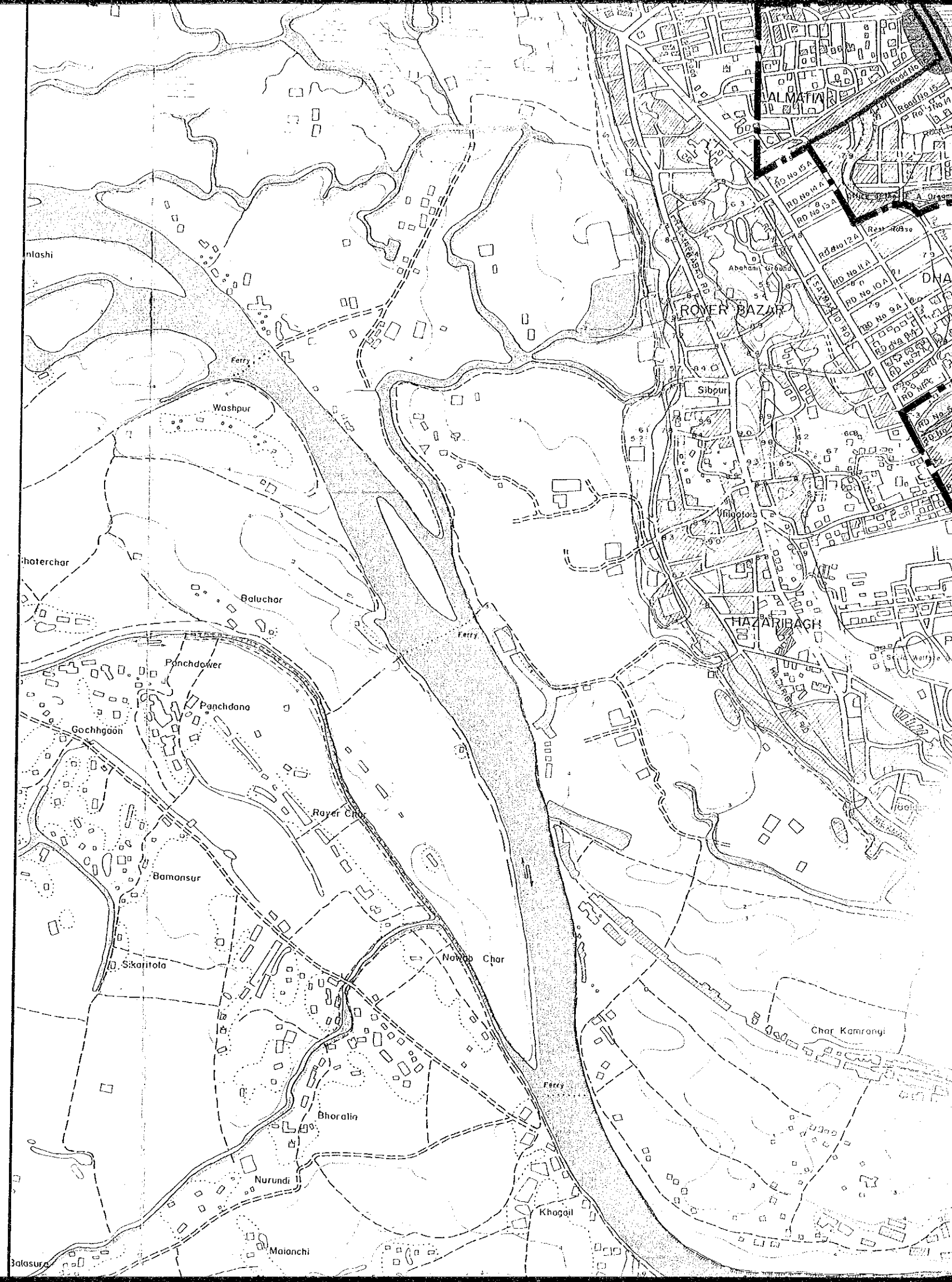
FLOOD AREA :

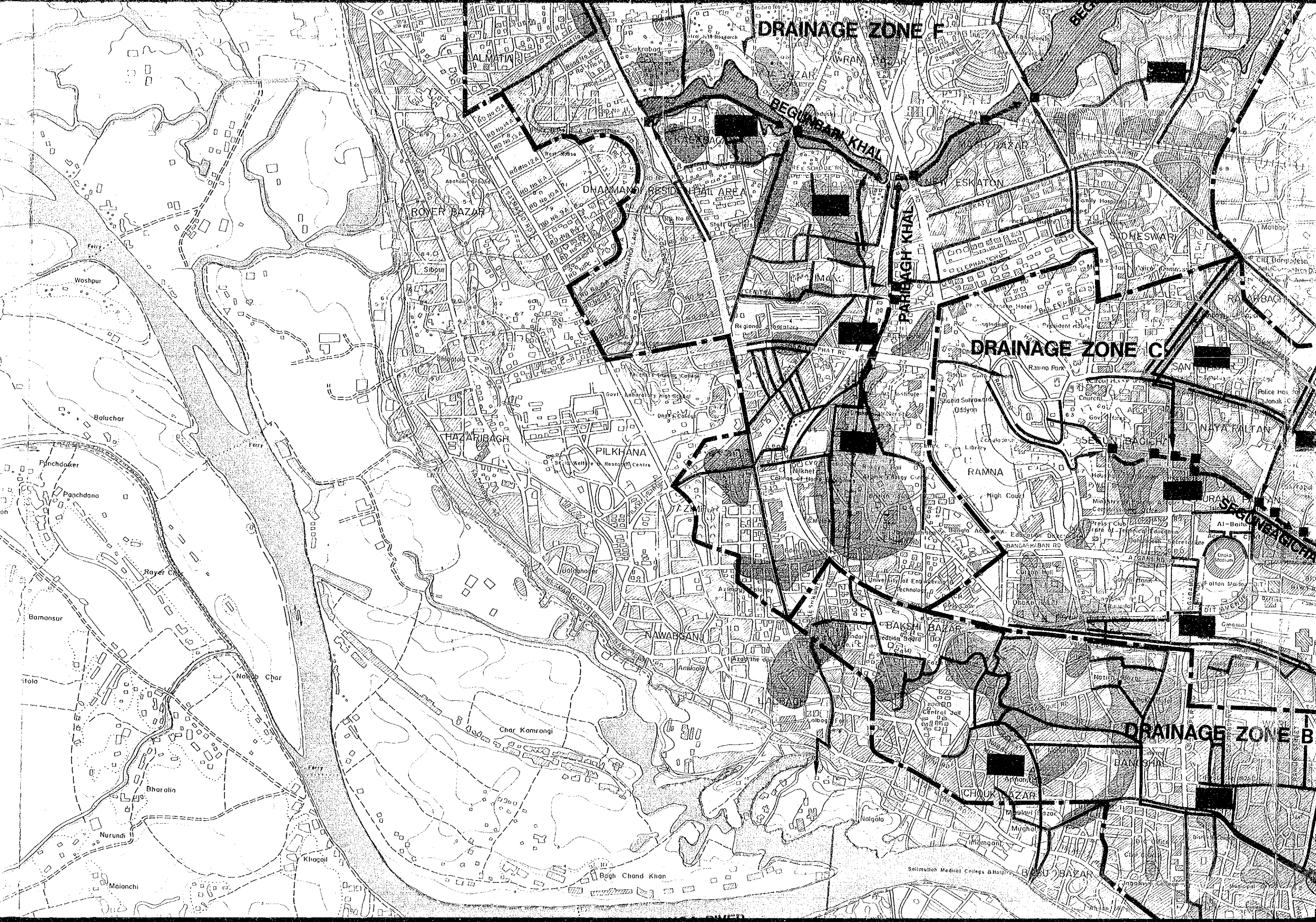
-  : EXTERNAL FLOOD AREA
-  : INTERNAL FLOOD AREA

PROPOSED FACILITIES :

-  : DIKE
-  : CONTROL GATE
-  : EXISTING PUMP STATION TO BE REHABILITATED
-  : NEW PUMP STATION
-  : REGULATING POND
-  : KHAL IMPROVEMENT
-  : BOX CULVERT
-  : DRAINAGE PIPE

EXISTING FACILITIES :





DRAINAGE ZONE F

DRAINAGE ZONE C

DRAINAGE ZONE B

ALMATIA

ROMER BAZAR

HAZARIBAGH

PILKHANA

NAWABGANJ

BAKSHI BAZAR

CHOUK BAZAR

BEGUNBAR KHAL

PARIBAGH KHAL

ESKATON

SUKESWARY

SAN

URSA

SEGU BAZAR

BAN

BAZAR

Woshpur

Boluchar

Panchdower

Panchdana

Rayer Char

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stola

Novab Char

Char Kamrangi

Bhoralia

Nurundi

Khagail

Maionchi

Bagh Chand Khan

Nalgola

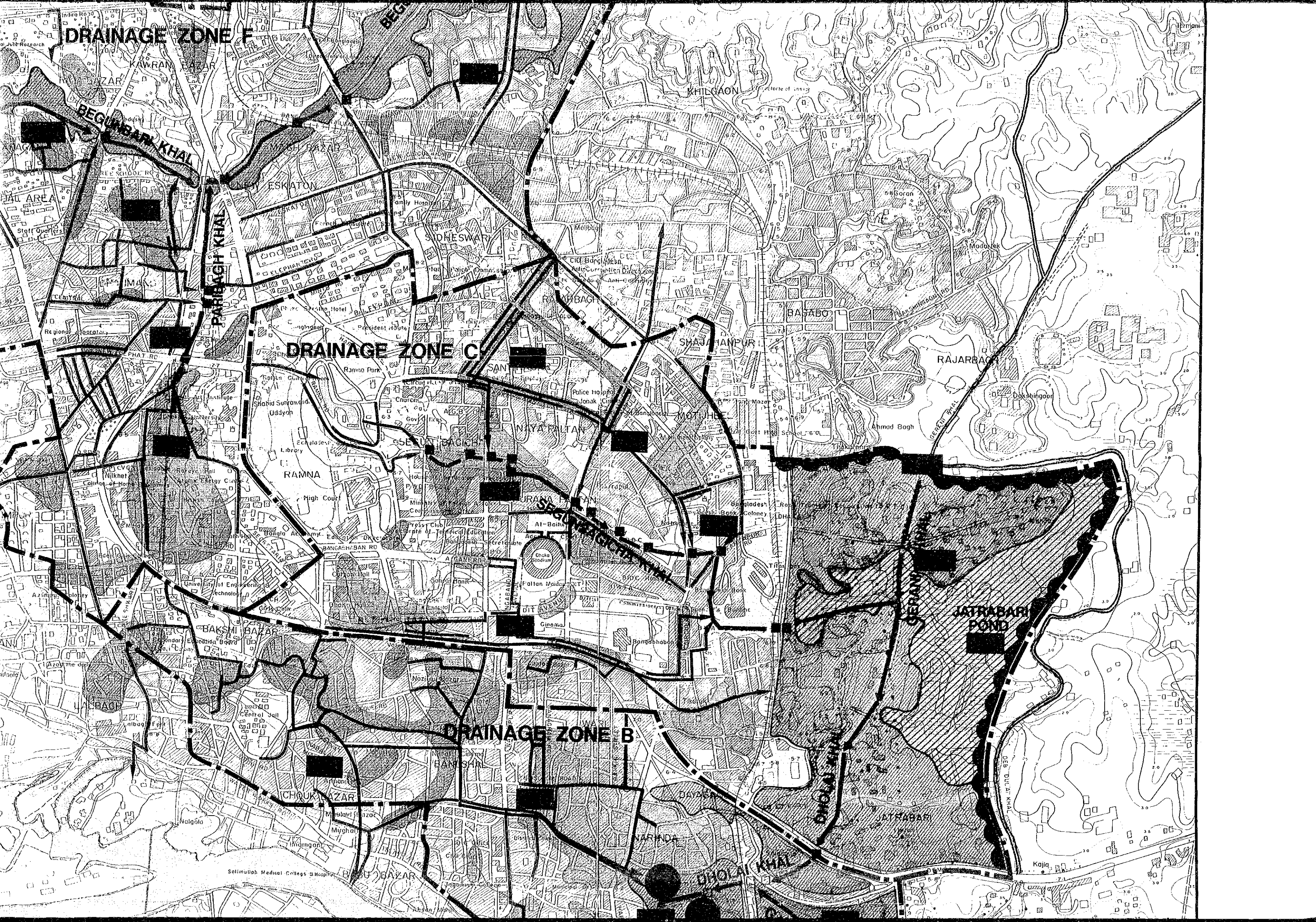
Moulavi Bazar

Mychoi

Saimuloh Medical College & Hospital

Jagadav College

Municipal



DRAINAGE ZONE F

DRAINAGE ZONE C

DRAINAGE ZONE B

BEGINBAR KHAL

PARIBACH KHAL

SEKIBACH KHAL

CHAKA KHAL

DHOLA KHAL

JATRABARI POND

PAK AREA

ESKATON

SONESWARI

SHAJ HAMPUR

RAJARBACH

RAMNA

JURASA PATTAN

Al-Baitu

Cinema

BAKSHI BAZAR

CHOUK BAZAR

BEAM SHIN

DAYA

JATRABARI

Salimullah Medical College & Hospital

Jaykhan College







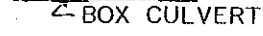

Kajla

LEGEND






FLOOD AREA :

-  : EXTERNAL FLOOD AREA
-  : INTERNAL FLOOD AREA

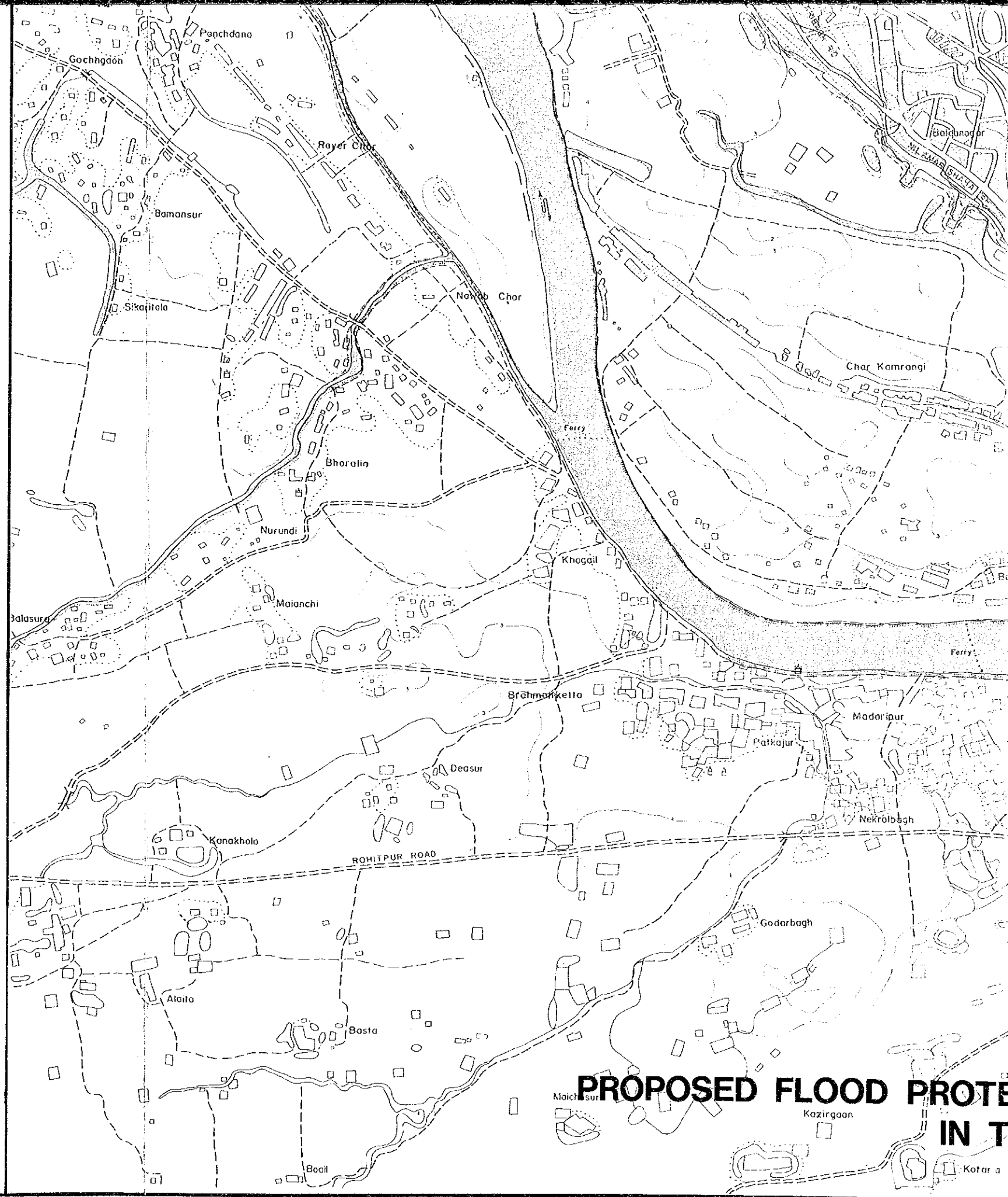
PROPOSED FACILITIES :

-  : DIKE
-  : CONTROL GATE
-  : EXISTING PUMP STATION TO BE REHABILITATED
-  : NEW PUMP STATION
-  : REGULATING POND
-  : KHAL IMPROVEMENT
-  : BOX CULVERT
-  : DRAINAGE PIPE

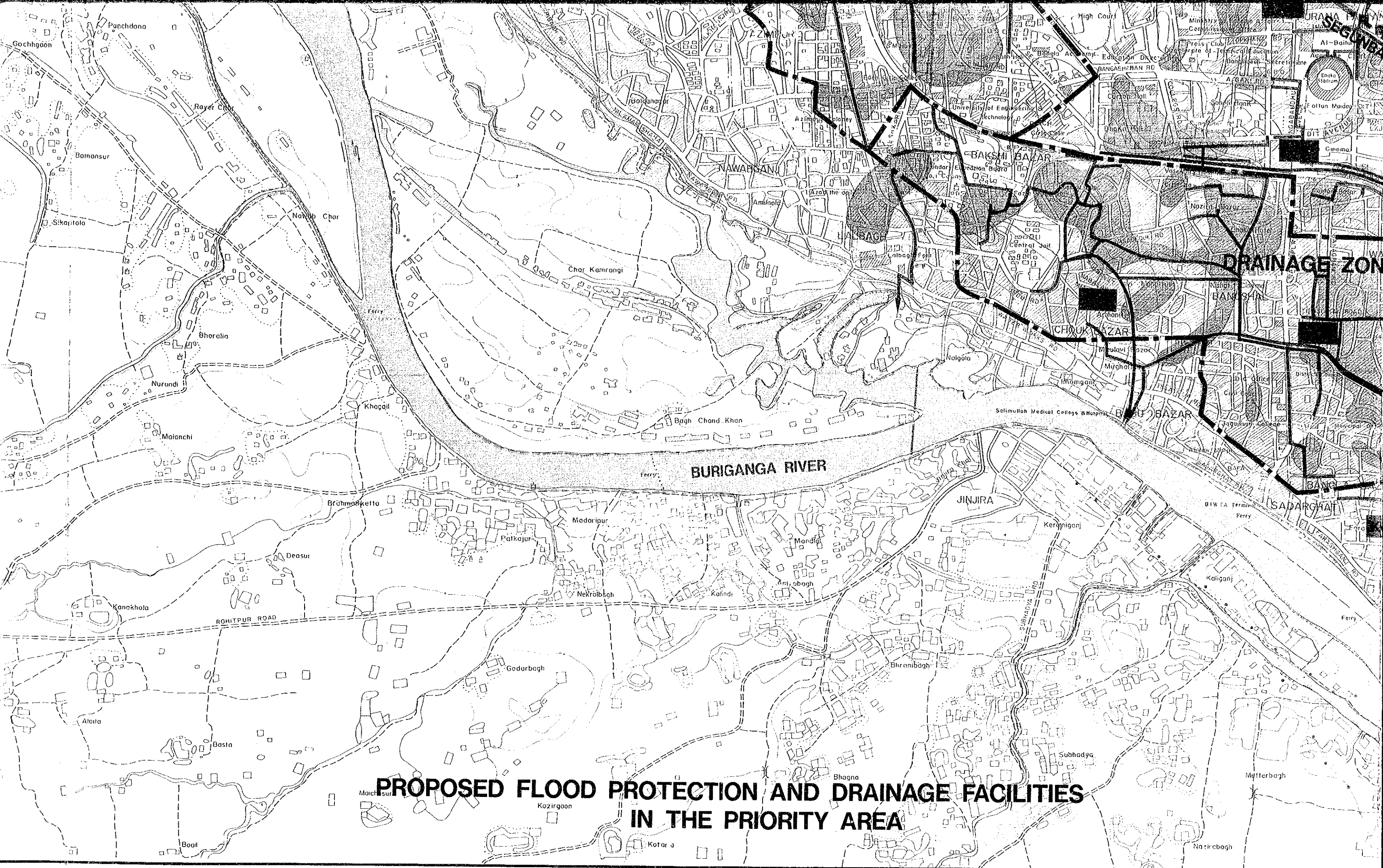
EXISTING FACILITIES :

-  : RIVER & KHAL
-  : DRAINAGE PIPE
-  : DRAINAGE ZONE BOUNDARY
-  : CONTOUR LINE (ABOVE G.T.S. DATUM)
-  : RRORITY AREA

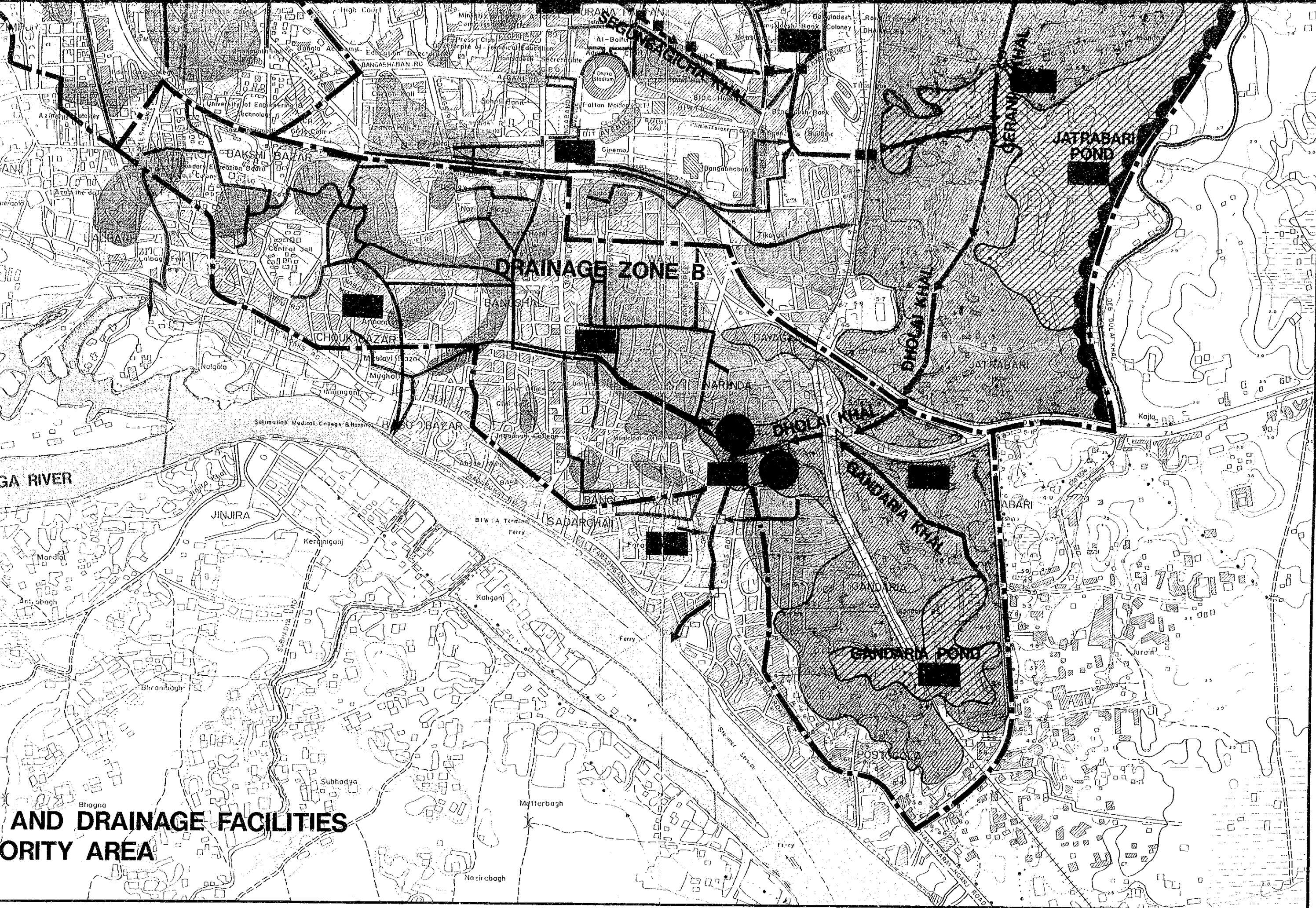
SCALE 1 : 17,500



PROPOSED FLOOD PROTECTION IN T...



**PROPOSED FLOOD PROTECTION AND DRAINAGE FACILITIES
IN THE PRIORITY AREA**



**AND DRAINAGE FACILITIES
ORITY AREA**

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