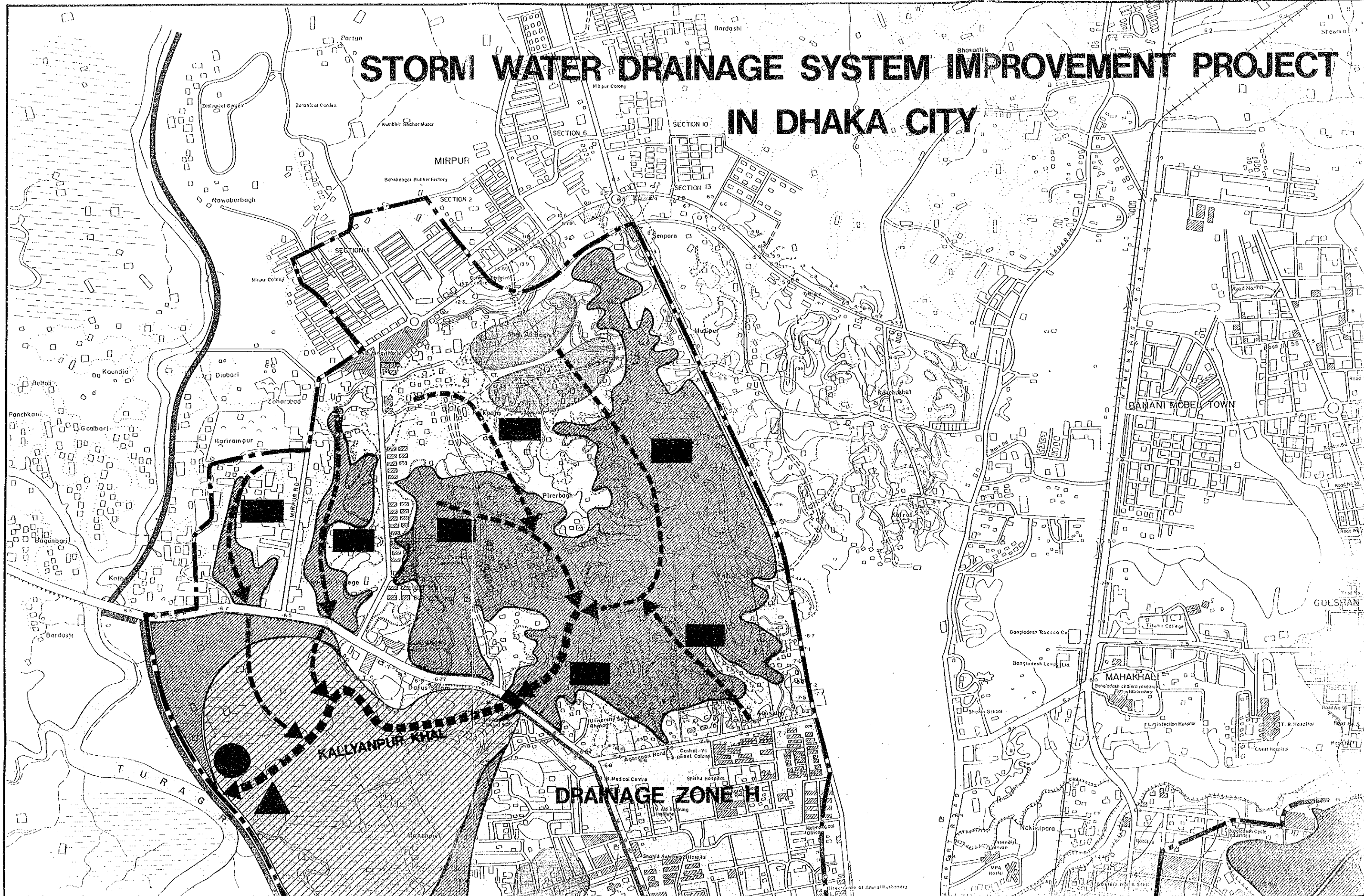


7.2 Recommendation

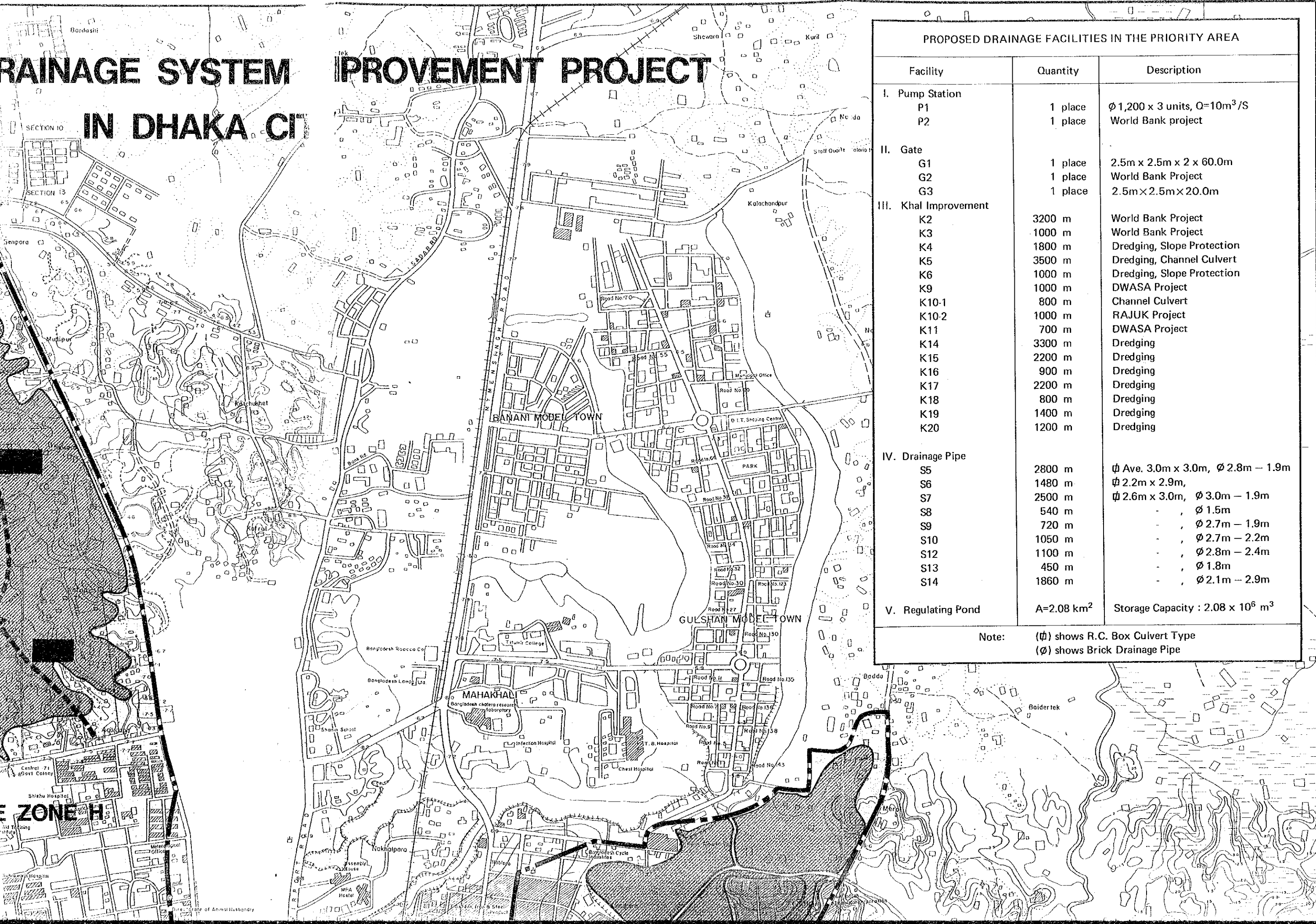
- 1) Because of the high costs required for the implementation of the Urgent Project, foreign financial aid should be obtained.
- 2) Due to the urgency of project implementation, the detail design of the project should commence as soon as possible. The detail design will include the following major works:
 - Topographic survey
 - Preparation of detail drawings for pump station, sluice gate and khal improvements
 - Identification of land acquisition requirements
 - Estimate of costs
 - Preparation of detailed construction and procurement schedules
 - Preparation of tender documents for construction and procurement contracts
 - Preparation of operation and maintenance manual
- 3) In the detail design stage, coordination with other projects is crucial to achieve the best and most economical benefits to the city.
- 4) The required land acquisition should be completed before commencement of construction to ensure smooth implementation of the Project, including the procurement of financial aid.
- 5) Land use and development in the proposed regulating pond areas and khals must be strictly controlled, so that the expected hydraulic balance is not be disturbed.
- 6) In order to achieve satisfactory results from construction, operation, and maintenance, the strengthening of the DWASA Drainage Circle Division is recommended.

STORM WATER DRAINAGE SYSTEM IMPROVEMENT PROJECT IN DHAKA CITY



RAINAGE SYSTEM IN DHAKA CITY

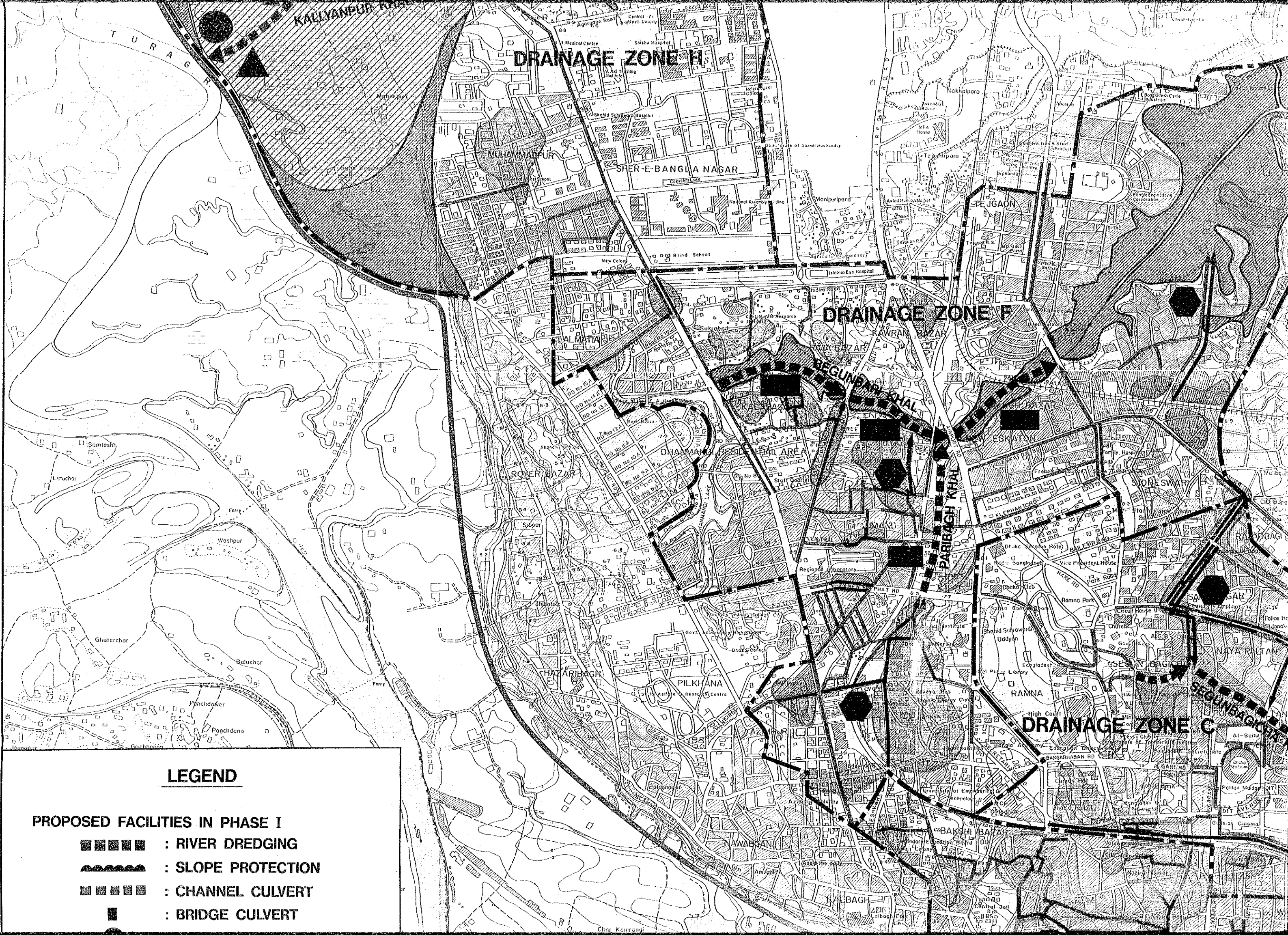
IMPROVEMENT PROJECT



PROPOSED DRAINAGE FACILITIES IN THE PRIORITY AREA

Facility	Quantity	Description	
I. Pump Station			
P1	1 place	World Bank project Ø 1,200 x 3 units, Q=10m ³ /S	
P2	1 place		
II. Gate			
G1	1 place	World Bank Project 2.5m x 2.5m x 2 x 60.0m 2.5m x 2.5m x 20.0m	
G2	1 place		
G3	1 place		
III. Khal Improvement			
K2	3200 m	World Bank Project	
K3	1000 m	World Bank Project	
K4	1800 m	Dredging, Slope Protection	
K5	3500 m	Dredging, Channel Culvert	
K6	1000 m	Dredging, Slope Protection	
K9	1000 m	DWASA Project	
K10-1	800 m	Channel Culvert	
K10-2	1000 m	RAJUK Project	
K11	700 m	DWASA Project	
K14	3300 m	Dredging	
K15	2200 m	Dredging	
K16	900 m	Dredging	
K17	2200 m	Dredging	
K18	800 m	Dredging	
K19	1400 m	Dredging	
K20	1200 m	Dredging	
IV. Drainage Pipe			
S5	2800 m	Storage Capacity : 2.08 x 10 ⁶ m ³	
S6	1480 m		
S7	2500 m		
S8	540 m		
S9	720 m		
S10	1050 m		
S12	1100 m		
S13	450 m		
S14	1860 m		
V. Regulating Pond			
	A=2.08 km ²		

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



LEGEND

PROPOSED FACILITIES IN PHASE I

- ▣▣▣▣▣ : RIVER DREDGING
- ▤▤▤▤▤ : SLOPE PROTECTION
- ▥▥▥▥▥ : CHANNEL CULVERT
- : BRIDGE CULVERT

DRAINAGE ZONE H

DRAINAGE ZONE F

DRAINAGE ZONE C

KALYANPUR

MUHAMMADPUR

SHER-E-BANGLA NASAR

BEJGAON

ROSER BAZAR

HAZARIBAGH

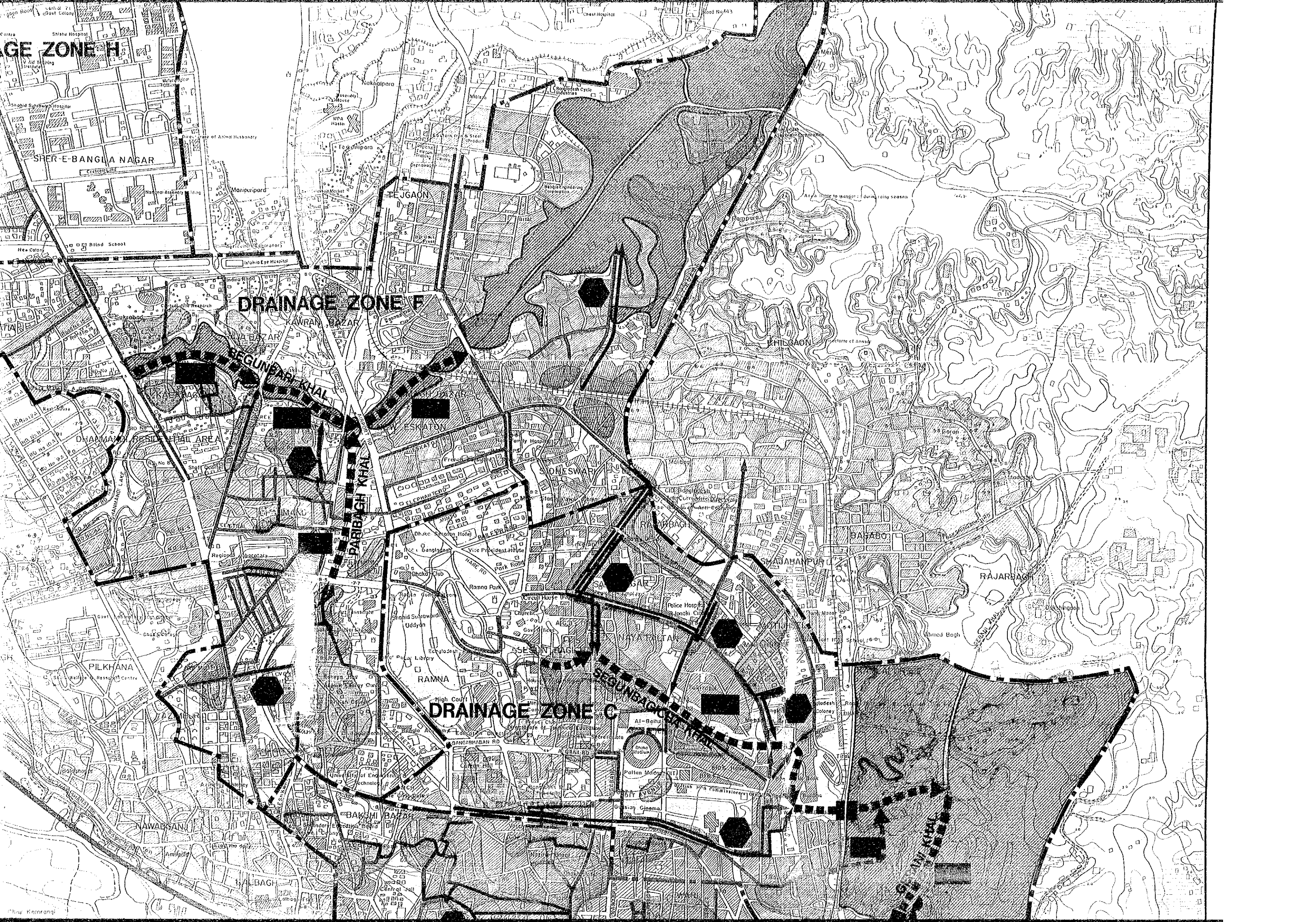
PILKHANA

RAMNA

BAKSHI BAZAR

NAWABGANJ

HAZARIBAGH



DRAINAGE ZONE H

SPER-E-BANGLA NAGAR

DRAINAGE ZONE F

SEGUNBAR KHAL

PARBAGH KHAL

DRAINAGE ZONE C

SEGUNBAR KHAL

LEGEND

PROPOSED FACILITIES IN PHASE I

- ▣▣▣▣ : RIVER DREDGING
- ▬▬▬▬ : SLOPE PROTECTION
- ■ ■ ■ : CHANNEL CULVERT
- : BRIDGE CULVERT
- : PUMP STATION
- ▲ : SLUICE GATE
- ▨▨▨▨ : REGULATING POND

PROPOSED FACILITIES IN PHASE II

- - - - : KHAL IMPROVEMENT
- : DRAINAGE PIPE
- ▲ : SLUICE GATE

EXISTING FACILITIES

- : DRAINAGE PIPE
- ▬▬▬▬ : RIVER & KHAL

EXISTING FLOOD AREA

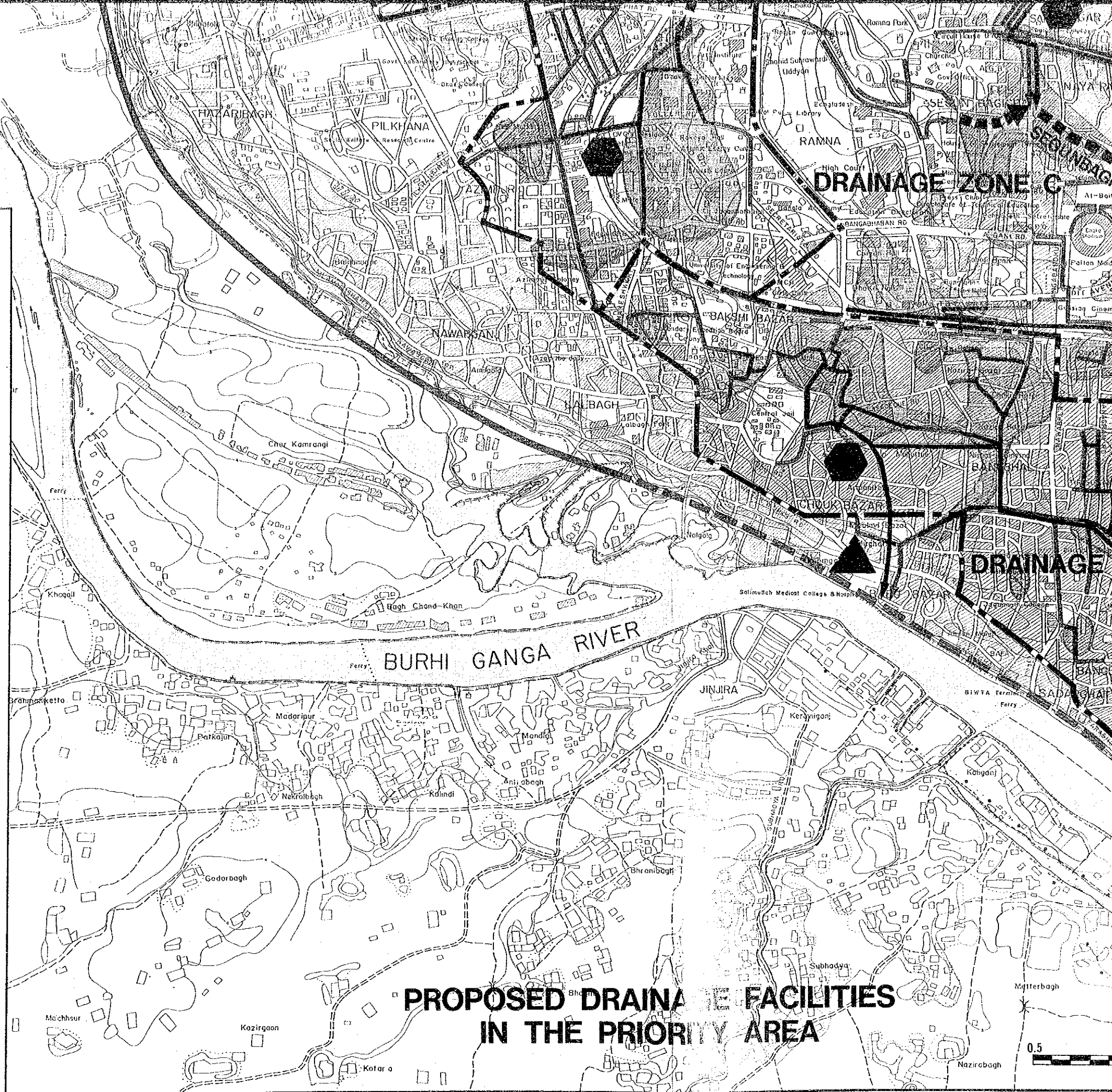
- ▨▨▨▨ : EXTERNAL FLOOD AREA
- ▩▩▩▩ : INTERNAL FLOOD AREA

OTHERS

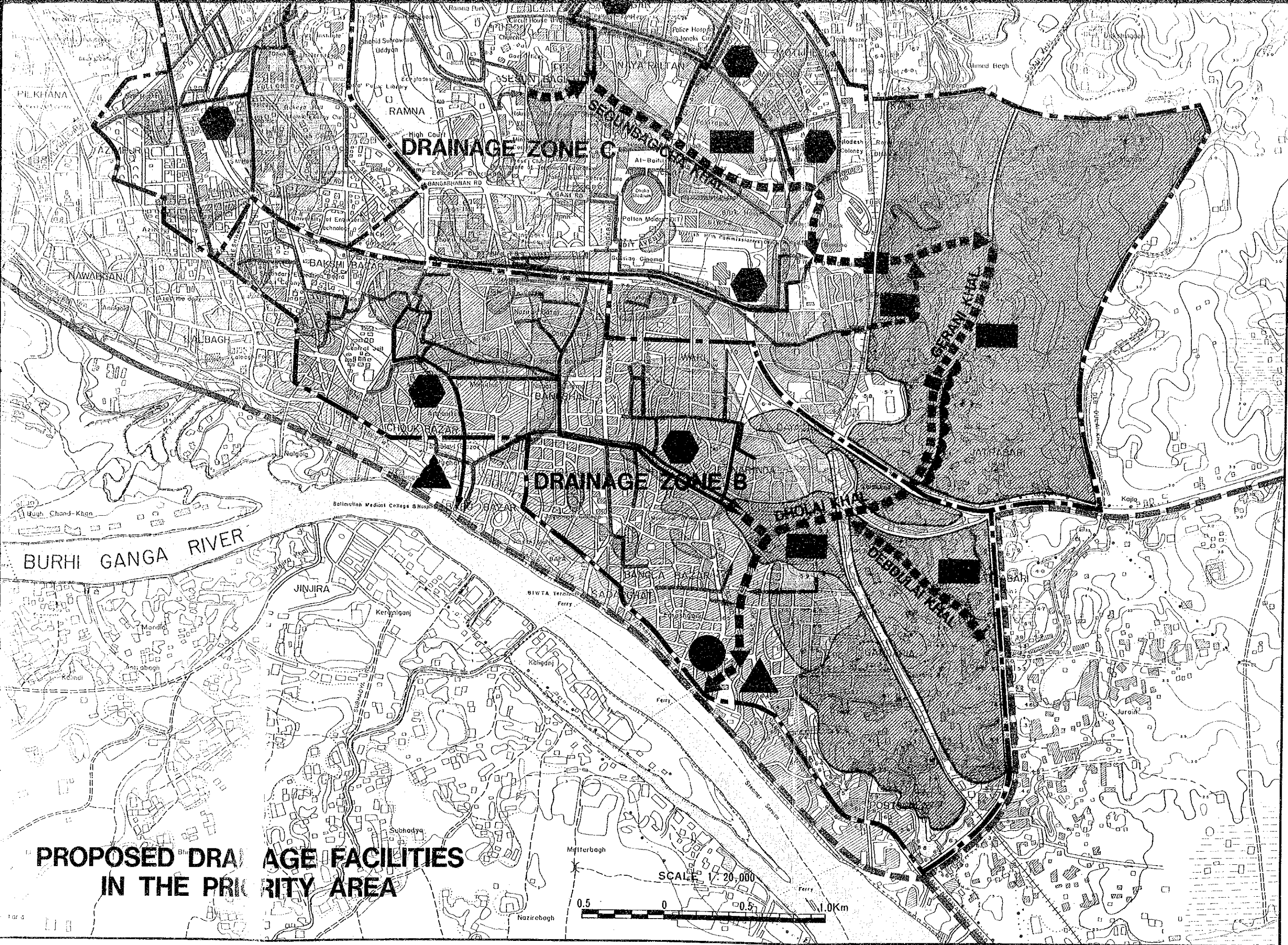
- ~ : CONTOUR LINE
- - - - : DRAINAGE ZONE BOUNDARY
- ▣- - - - : PRIORITY AREA

GREATER DHAKA FLOOD CONTROL AND DRAINAGE PROJECT

- ▬▬▬▬ : EMBANKMENT
- ▣▣▣▣ : WALL



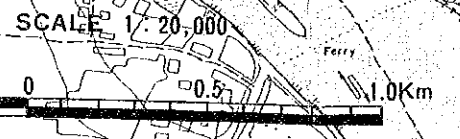
PROPOSED DRAINAGE FACILITIES IN THE PRIORITY AREA



DRAINAGE ZONE C

DRAINAGE ZONE B

**PROPOSED DRAINAGE FACILITIES
IN THE PRIORITY AREA**



JICA