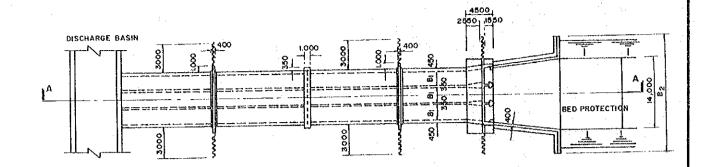
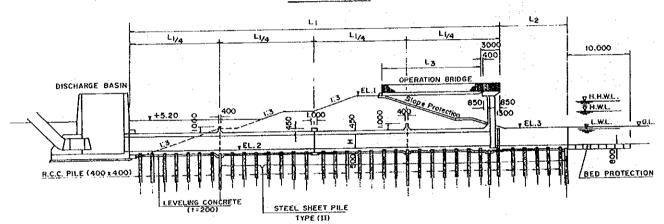


PLAN



SECTION A-A

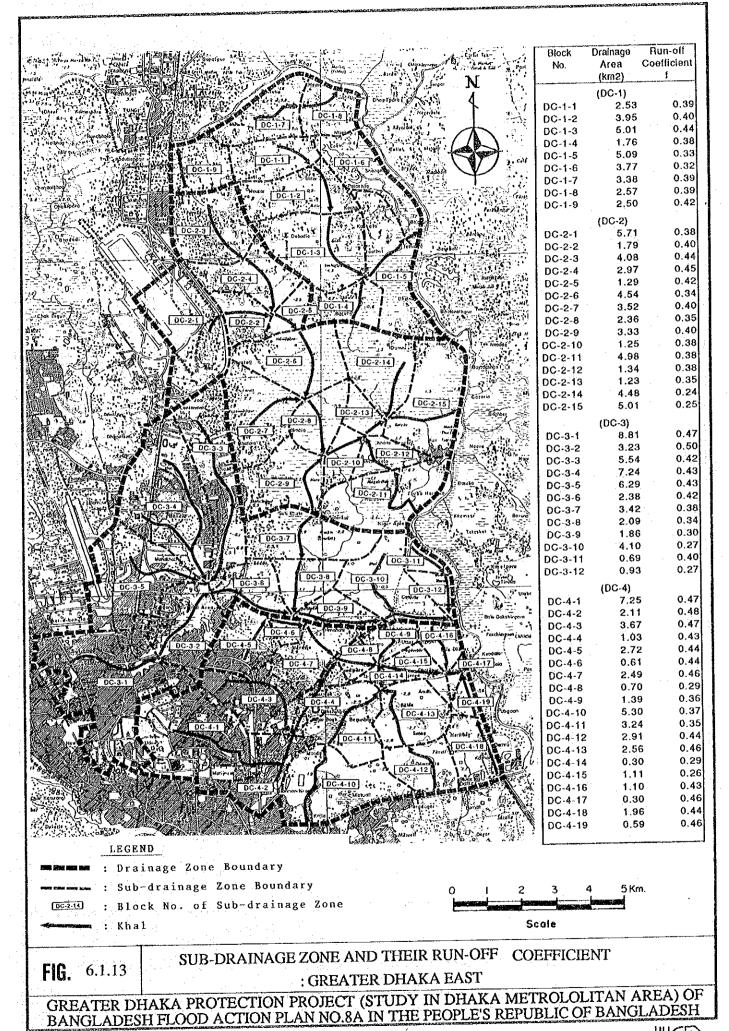


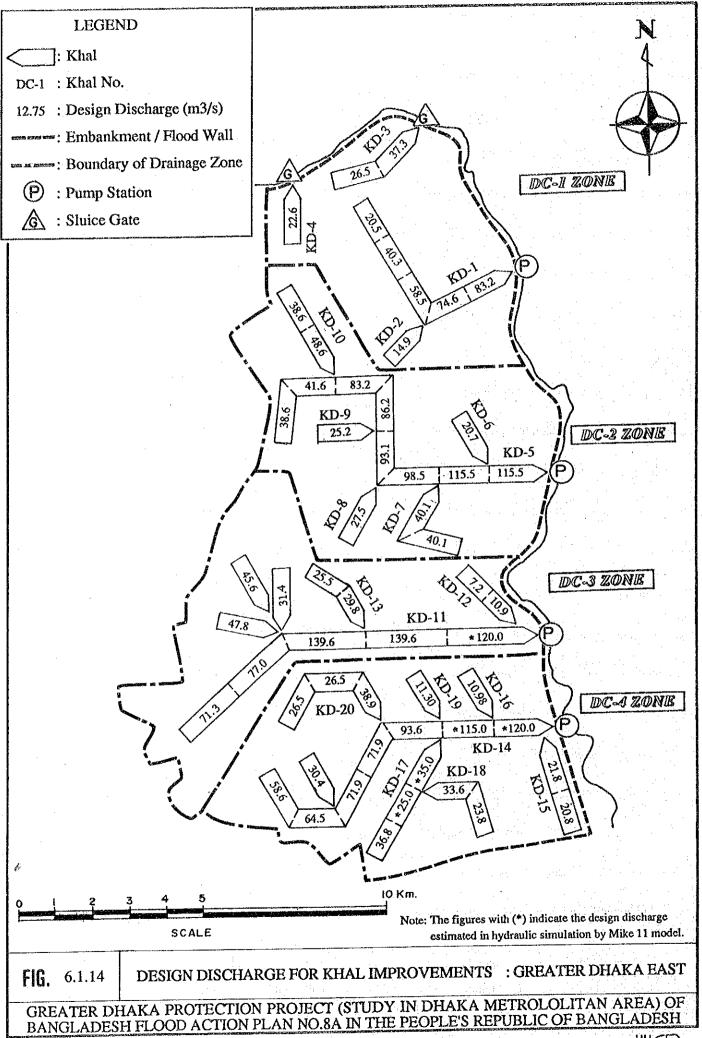
Main Feature of Sluice Way

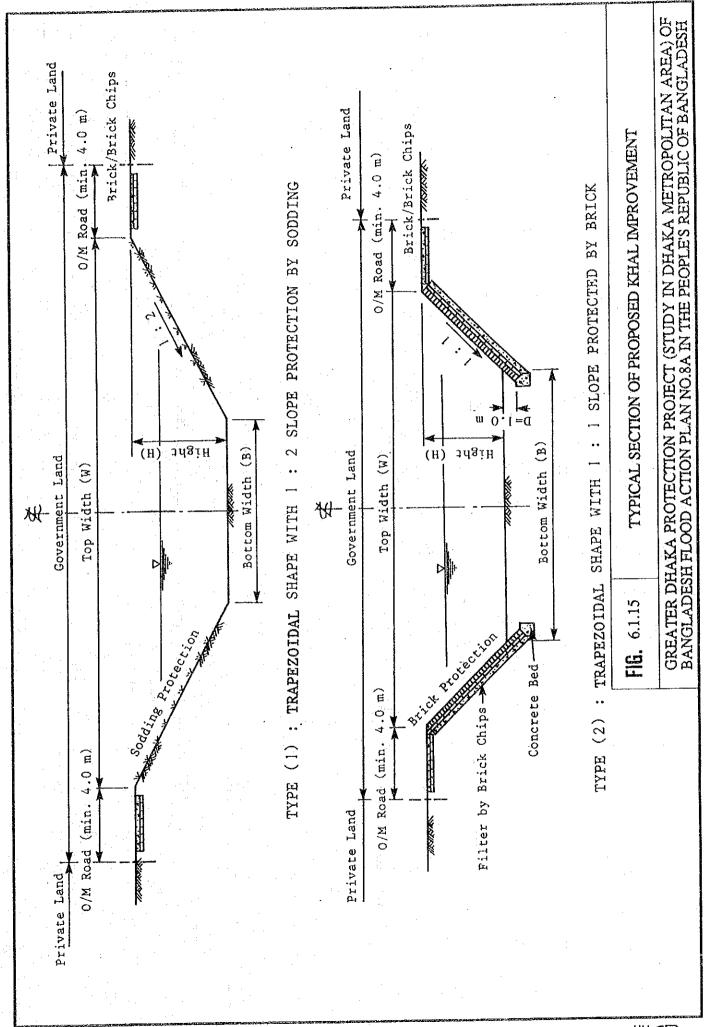
Pump		Culv	ert		Outle	t	0.Bridge		Elevation	
No.	Bl	HI	L1	n	B2	L2	L3	EL.1	EL.2	EL.3
	(mm)	(mm)_	(mm)	(Nos.)	(mm)	(mm)	(mm)			
P.5	2,300	2,300	62,000	2	19,000	14,700	1 1	+9.35	+0.20	+1.70
P.6	2,700	2,700	61,200	3	20,000	14,000	14,800	+9.10	+0.20	+2.20
P.7A	2,700	2,700	60,000	3	21,600	13,400	14,500	+8.80	+0.20	+3.00
P.7B	2,500	2,500	60,000	3	22,200	13,100	14,650	+8.75	+0.20	+3.30
P.11	2,500	2,000	48,400	4	23,200	13,000	9,500	+8.00	+0.20	+3.80

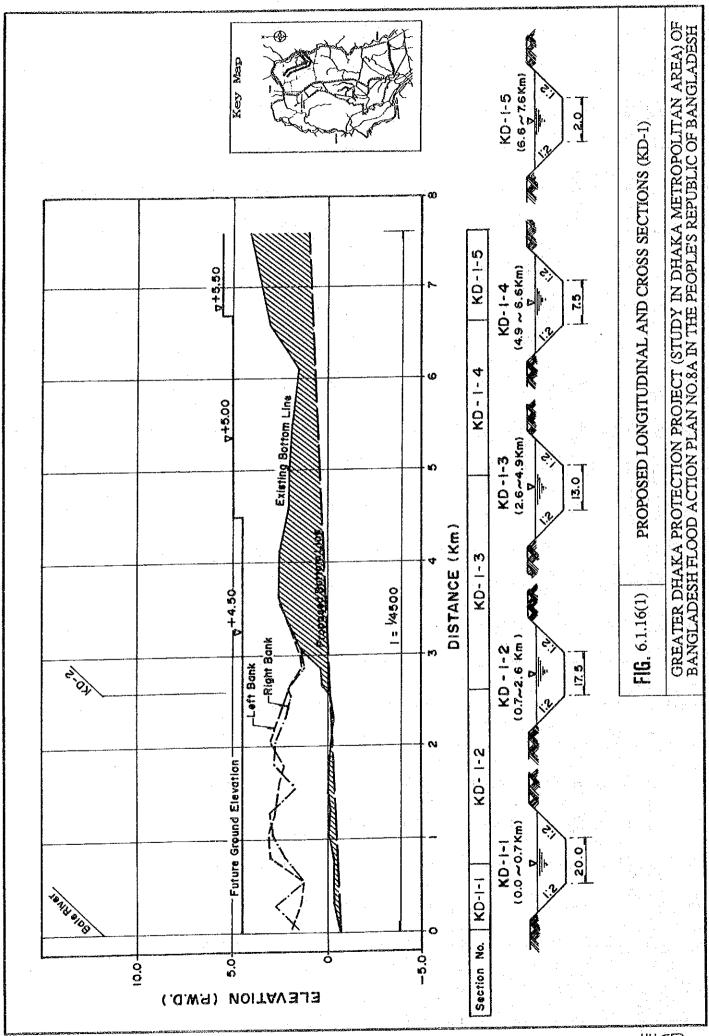
FIG. 6.1.12 (3)

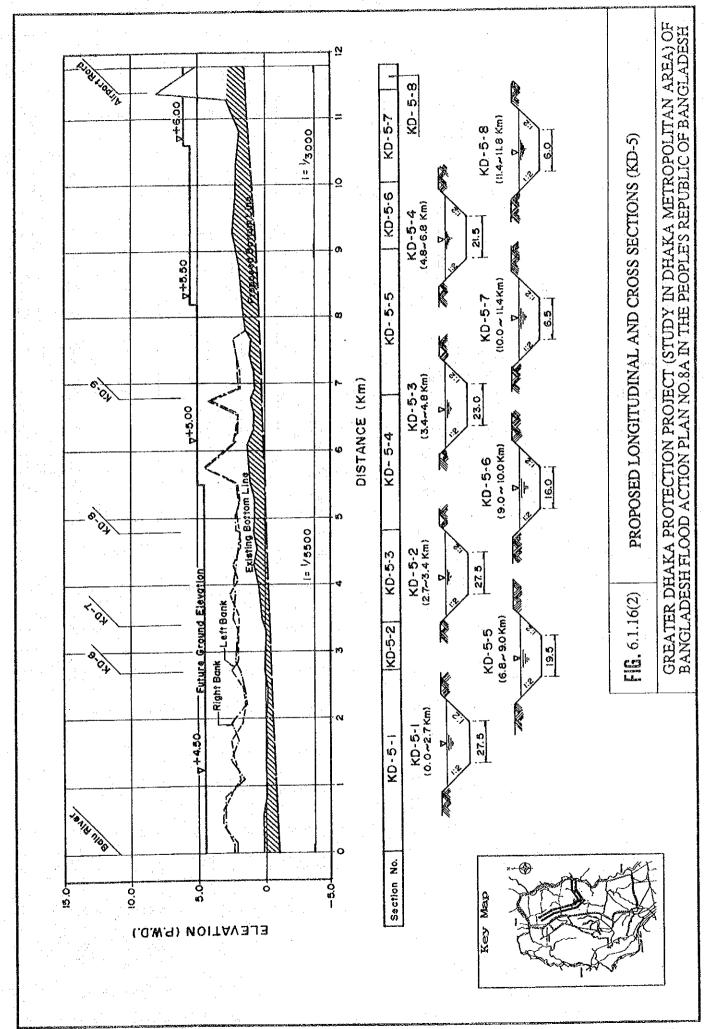
TYPICAL DESIGN OF PROPOSED SLUICE WAY FOR 25 $\rm M^3/S \sim 50~M^3/S$ CLASS PUMPING STATION (P5, P6. P7A, P7B AND P11)

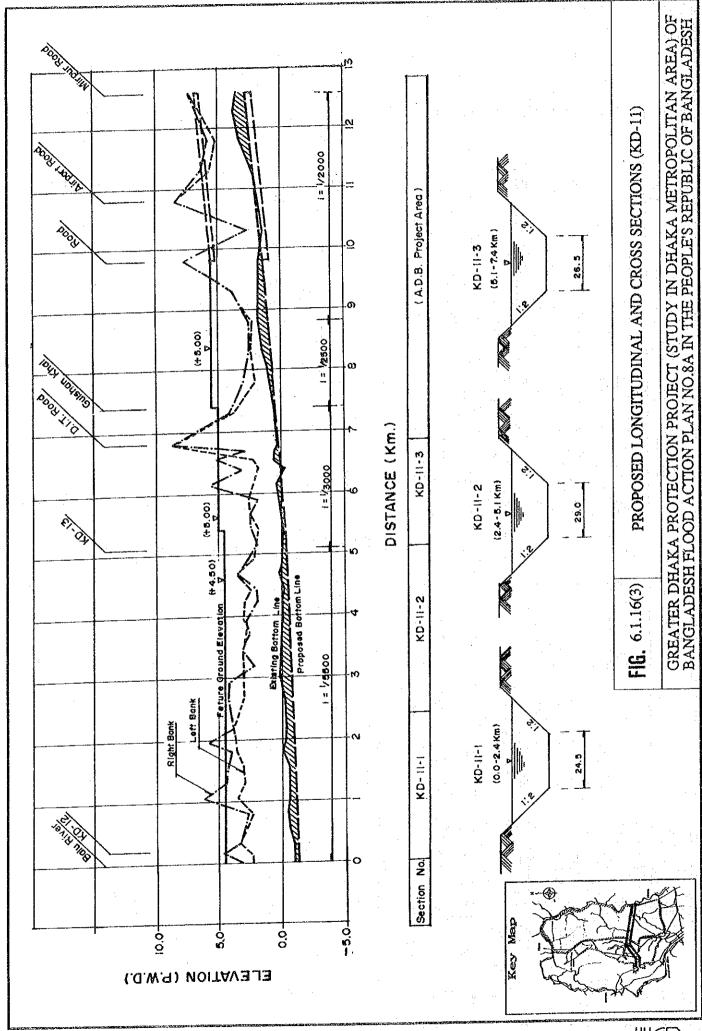


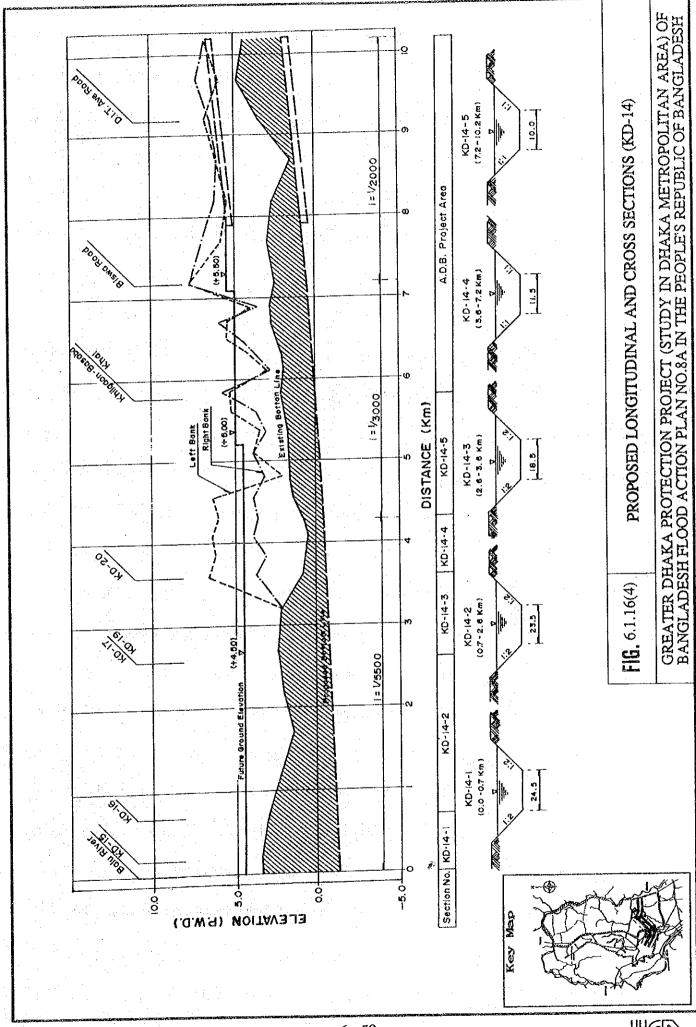


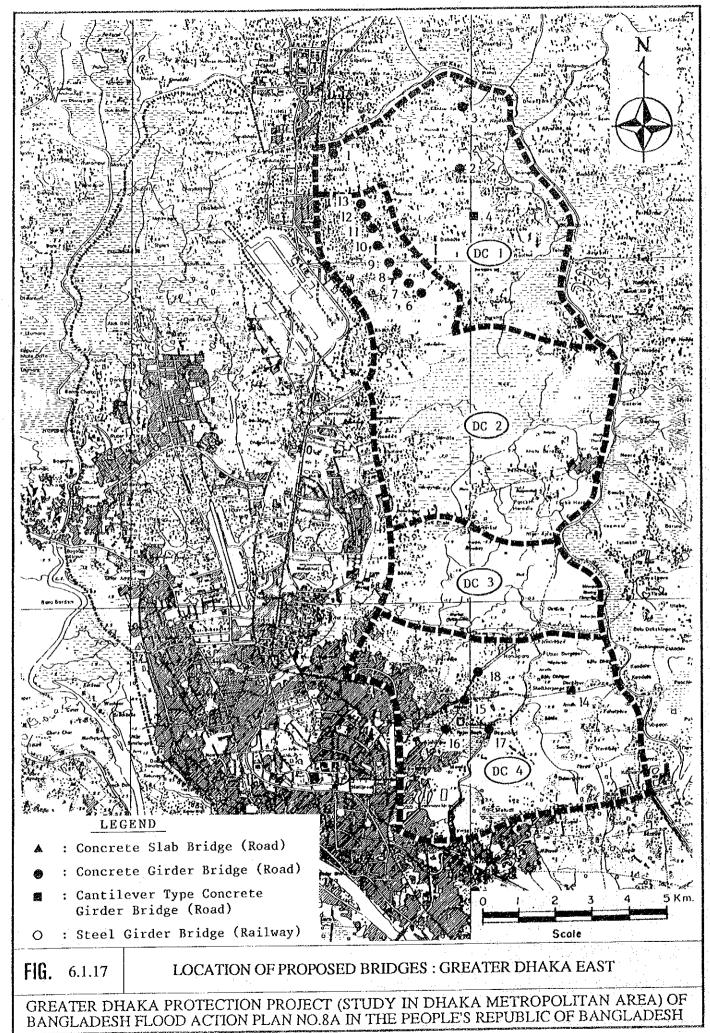


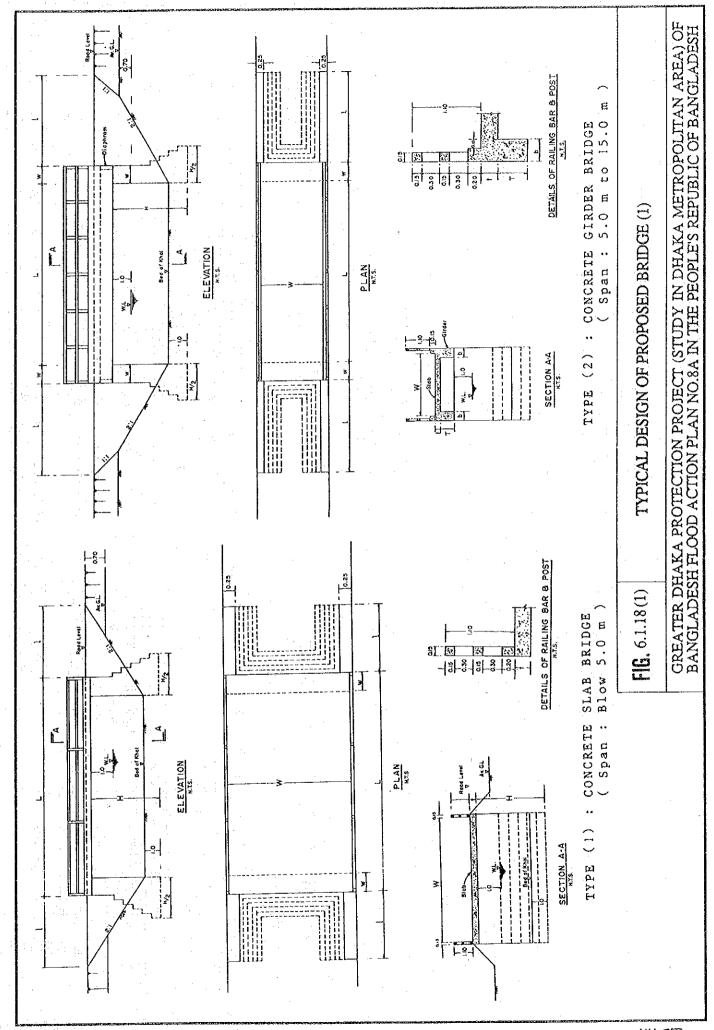












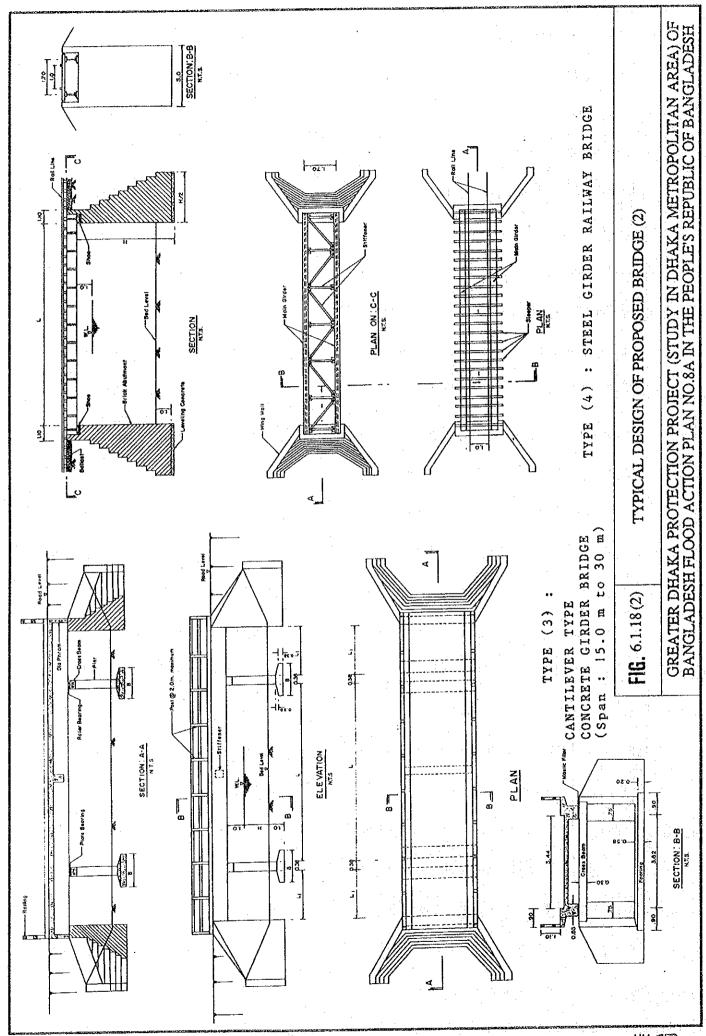


TABLE 6.2.1(1) HYDRAULIC REQUIREMENTS OF PROPOSED PUMPING STATION: DND

Proposed	Drainag	e Zone	Drainage Zone Discharge			Design Wa	ater Level (Design Water Level (m, PWD)	Static Head	ead	
Pumping	No.	Area	Capacity		Outer		Inner	ler l	(m)	1	Remarks
Station		(km ²)	(m ³ /s)	H.H.W.L	H.W.L	H.W.L L.W.L L.W.L	H.W.L	L.W.L	Design	Max.	
P 10	NA-1	25.10	25.10 14.50	1	5.75	3.00	1.80	1.00	4.75		Existing Pumping
P 11	NA-2	31.69	50.20	7.10	5.65	3.00	4.00	3.00	2.65	4.10	Station

1. H.H.W.L. and H.W.L. of outer design water level means that of 100-year and 2-year frequency flood respectively Note:

TABLE 6.2.1(2) HYDRAULIC REQUIREMENTS OF PROPOSED RETARDING POND: DND

	Remarks							
el (m, PWD)	L.W.L	3.00	3.00	3.00	3.00	3.00	3.00	
Design Water Level (m, PWD)	H.W.L	4.00	4.00	4.00	4.00	4.00	4.00	
Storage Capacity	$(x 10^6 \text{m}^3)$	1.96	0.45	09.0	06.0	2.25	99.0	
Pond Area	(ha)	196	45	09	06	225	99	
Drainage	Zone	NA-1	NA-1	NA-1	NA-2	NA-2	NA-2	
Proposed	Retarding Pond	RP 10-1	RP 10-2	RP 10-3	RP 11-1	RP 11-2	RP 11-3	

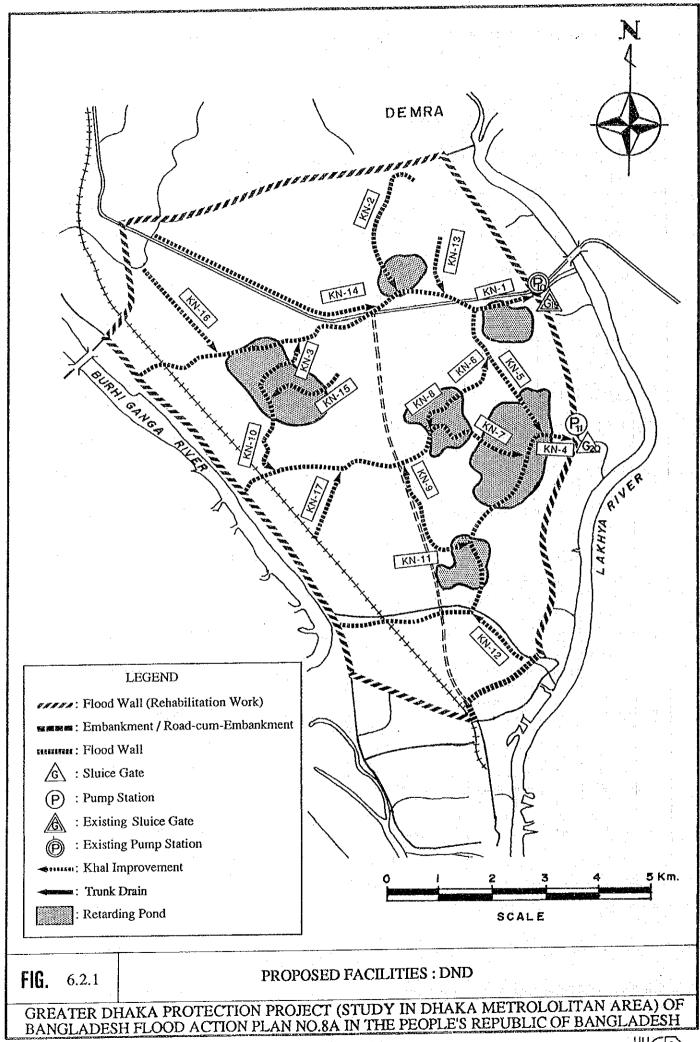
TABLE 6.2.2(1) PROPOSED KHAL IMPROVEMENT WORKS : DND

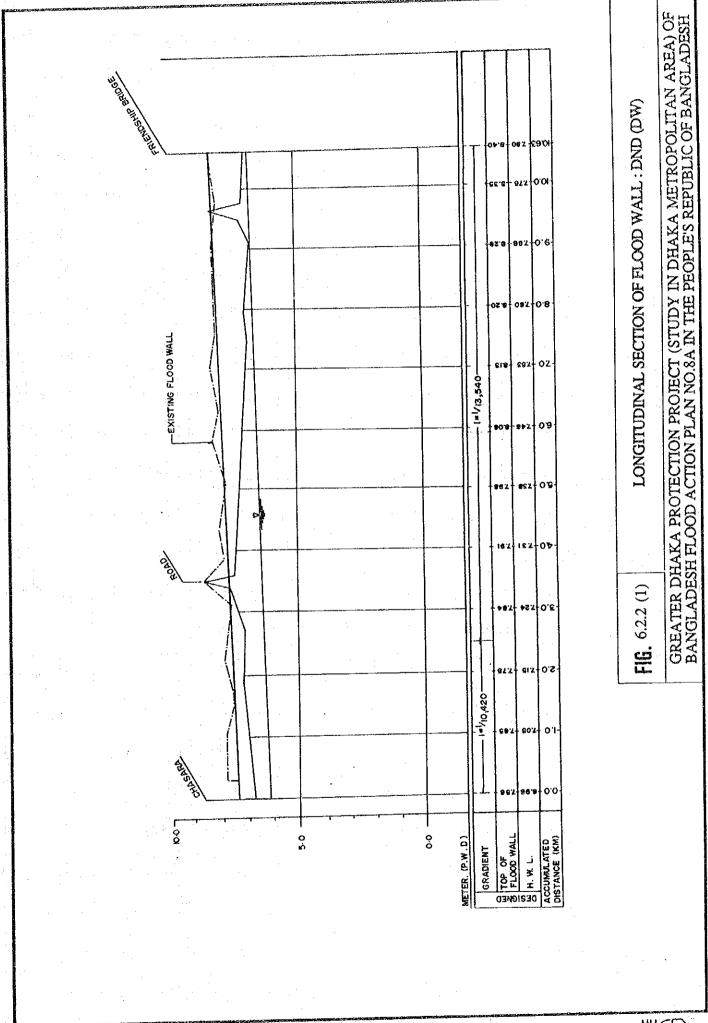
DND Project Area (NA)

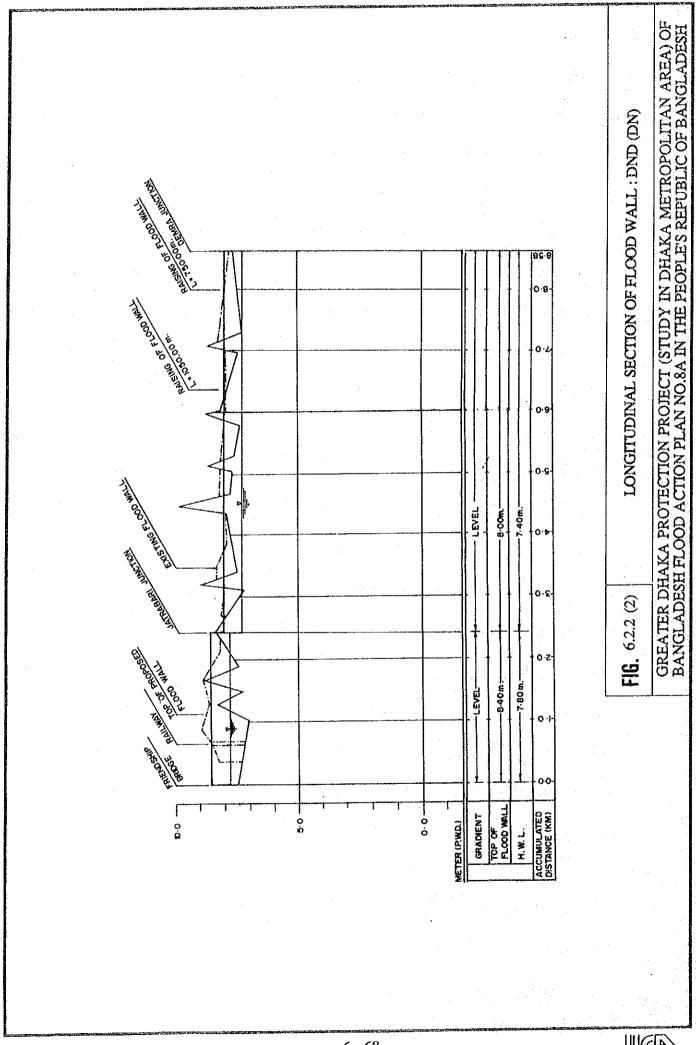
Zone	Khal	Khal		equire: /drauli		1	pen hannel	1 .	vored annel	Bridge	Aqueduct	Dredging	Maintenance	
20110	Kilai	Length		ection		Brick	Sodding	Вох	Brick	l .			Fload	Acquisition
		Longai		x Wu x		Protection	-	Culvert	Pipe	(Places)	(Places)	į.		11 1
	No.	(km)		x m x		(km)	(km)	(km)	(km)	ļ		(1000m3)	(km)	(ha)
										i	-	22.27	2,10	0.61
	KN-1-1	2.10	5.5	13.5	4.0	2.10		-	• .	:		34.44	0.70	1.72
	KN-1-2	0.70	14.5	30.5	4.0		0.70		-	!		43.02	1.00	2.54
	KN-1-3	1.00	13.0	29.0	4.0		1.00	· ·	-	1		11.90	0.60	0,82
	KN-1-4	0.60	10.0	26.0	4.0		0.60	-	- '			76.88	1.80	4.83
	KN-1-5	1.80	10.0	26.0	4.0	-	1.80	-		;		49.86	1,40	3.98
	KN-1-6	1.40	8.5	24.0	3.9	-	1.40	•	-	'		29.51	1.20	2.67
	KN-1-7	1.20	3.5	17.0	3.4	-	1.20	٠ ا	~	-		5,91	0.60	0.22
NA-1	KN-1-8	0.60	2.5	8.8	3.1	0.60		-	-	3	1	34.36	1.60	3.70
	KN-2-1	1.60	2.0	17.5	3.9	-	1.60	i -		2		21.32	1.60	2.37
	KN-2-2	1.60	2.5	9.4	3.5	1.60		•	-	1		16.78	1,70	2.92
	KN-3	1.70	2.0	17.4	3.9	-	1.70	-			_	39.35	1.20	3.49
	KN-13	1.20	2.0	17.6	3.9	1 -	1.20	٠.		'		48.18	1.50	4.92
	KN-14-1	1.50	6.5	22.0	3.9	-	1.50	-	-			36.30	1.50	4.45
	KN-14-2	1.50	3.0	18.0	3.8	-	1.50	-	-			27.68	1.60	3.18
	KN-14-3	1.60	2.0	8.2	3.1	1.60		l -	-	1 '		11.69	1.60	4.32
	KN-15	1.60	2.0	14.8	3.2	-	1.60	i -				43.04	2.20	4.68
	KN-16	2.20	4.0	11.4	3.7	2.20		,	0.00	13	1	552.49	23.90	51.42
	Sub-Total	23.90				8.10	15.80	0.00	0.00	''	'			
						 		 		-	l			
									-	3		229.56	1.80	4.37
	KN-4-1	1.80	33.5	41.8	4.2	1.80		}		"		118.68	1.30	4,93
	KN-4-2	1.30	10.5	27.2	4.2	1 -	1.30		_	2		61.65	1.20	2.61
	KN-4-3	1.20	10.5	27.2	4.2		1.20	-	-	2	_	73.93	1.50	4.16
	KN-4-4	1.50	5.5	21.7	4.0	l	1.50]	-,	4	١.	24.91	1.80	1.27
	KN-4-5	1.80	4.0	11.2	3.6	1.80	-	j		1 1		20.80	0.80	0.67
	KN-4-6	0.80	3.5	10.0	3.3	0.80		-		l :		256.96	1.80	6.03
	KN-5-1	1.80	22.5	38.7	4.1		1.80		_			67.23	1.00	2.40
NA-2	KN-5-2	1.00	9.5	17.5	4.0	1.00	0.00	_	_			18.44	0.90	1.36
	KN-6	0.90	2.0	17.9	4.0		0.90		_	1 1	1	196.23	2 40	7.92
	KN-7-1	2.40	12.0	28.7	4.2	_	2.40 0.80		_	'		42.41	0.80	2.52
	KN-7-2	0.80	12.0	28.7	4.2	1	0.80	<u> </u>	_	_	-	24.82	1.20	1.36
	KN-7-3	1.20	7.0	15.1	4.1	1.20			_	6	-	34.30	1,40	1.18
	KN-7-4	1.40	4.5	11.9	3.7	1.40			_	1	-	8.70	0.80	0.58
	KN-7-5	0.80	2.0	8.8	3.4	0.80	1.00] `	_	1		20.54	1.00	1.65
	KM-8	1.00	2.0	18.4	4.1	_	1.30	}	_	1	4	31.32	1.30	2.20
	KN-9	1.30	2.0	18.3	4.1		1.80		_	2	-	20.00	1.80	2.43
	KN-10	1.80	2.0	16.3	3.6	_	1.40	_	_	-		30.19	1.40	3.14
	KN-11	1.40	2.0		4.1	1.60			_	1	-	8.96	1.60	0.76
	KN-12	1.60	2.0	9.3	3.6	1.60	1.50	-	_	1	-	47.32	1.50	4.18
	KN-17	1.50	2.0	15.8	3.5	10.40	16.90	0.00	0.00	25	1	1336.95	27.30	55.72
	Sub-Total	27.30				10.40	10.30					<u> </u>	<u> </u>	
							32.70	0.00	0.00	38	2	1889.44	51.20	107.14

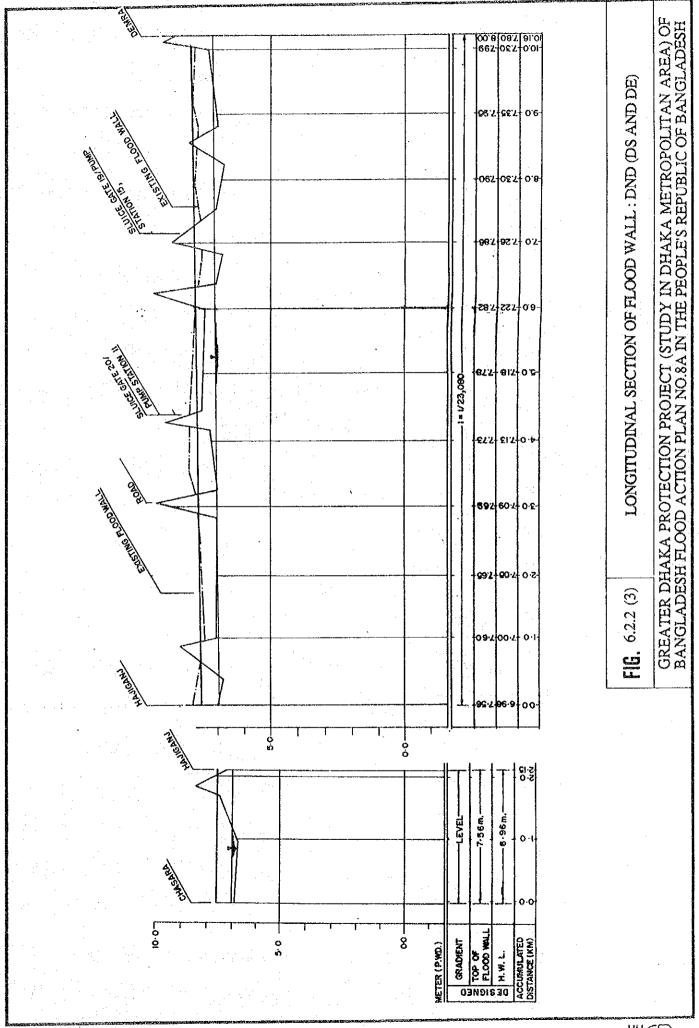
TABLE 6.2.2(2) PROPOSED KHAL IMPROVEMENT RELATED WORKS (BRIDGE AND AQUEDUCT): DND

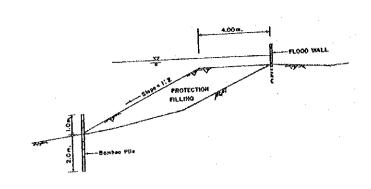
	What	Bridge	<u> </u>	Existing	Required	and the state of t	Proposed		
	Khal	No	Type	Size	Size	Туре	Size	Width	Remarks
Zone	No.	100	1 ypc	(m x m)	(m x m)	31	(m x m)		
			, <u>,</u>						
NIA 1	KN-1-1	1	Girder bridge	12.50 x 5.00	6.65 x 5.00	-	-	-	Road bridge
NA-1	1714-1-1	2	Grade brage	8.40 x 5.00		- '	-	-	, ,
	KN-1-2	3	Box culvert	4.70 x 4.70	15.80 x 5.00	Girder bridge	15.8 x 5.00		Highway bridge
	KN-1-3	4	Girder bridge		14.75 x 5.00	н н	14.7 x 5.00	3.66	Road bridge
	KN-1-5	5	Box culvert	4.50 x 4.50	12.60 x 5.00	n' 11	12.6 x 5.00		Highway bridge
	KN-1-6	6	Slab bridge	4.85 x 2.30	11.32 x 4.90	11 11	11.5 x 4.90	3.66	Road bridge
	KN-1-7	ĭ	Deck-Rly.	11.00 x 4.88	6.26 x 4.88	-	-	-	Railway bridge
	1777.1	8	Girder bridge		6.47 x 4.75		•	- :	Road bridge
	NA-2-1	و ا	Aqueduct	4.00 x 0.61		Rect. Aqueduct		11 .	Rect. Aqueduct
	n	10	Pipe	0.91 x 2.00	6.68 x 4.95		6.70 x 4.95	14	Road bridge
	n	11	Slab	1.09 x 1.57	6.77 x 4.90		6.80 x 4.90	11	n 4
	11	12	Pipe	0.91 x 1.00	6.77 x 4.90		6.80 x 4.90	"	
		13	Slab	91.00 x 1.35	3.71 x 4.87	Slab bridge	3.80 x 4.87	"	n 11
	KN-2-2	14	Pipe	0.91 x 1.00	3.94 x 4.65	н и	4.00 x 4.65	, ,	n
	KN-3	15	-	<u>-</u> :	6.73 x 4.90	Girder bridge	6.80 x 4.90	"	0 9
	KN-13	16	_	-	6.69 x 5.00	3 (4) 77	6.70 x 5.00		u H
	KN-14-3	17	1	-	2.96 x 4.70	Slab bridge	3.00 x 4.70	7.00	11 11
	KN-15	18	_	-	4.92 x 4.80		5.00 x 4.80	3.66	
									Dailman bridge
NA-2	KN-4-1	19	Deck Rly.	18.3 x 7.00	26.18 x 5.20	Deck Girder	26.10 x 5.20	1.70	Railway bridge Road bridge
	ur i	20	Pipe	0.45 x 2.00	29.18 x 5.20	Cantilever	26.10 x 5.20	3.66	Railway bridge
	b	21		0.91 x 1.00	26.18 x 5.20	Deck Girder	26.10 x 5.20	1.70	Road bridge
	KN-4-3	22	u.	0.91 x 1.00		Girder bridge	13.20 x 5.20	3.66	Koau muge
		23		0.61 x 1.00			13.20 x 5.20	n	n a
	KN-4-4	24	Girder bridge	5.50 x 3.70		, .	9.40 x 5.10		н н
	u	25	Arch bridge	4.50 x 4.85	9.50 x 5.04	1	9.50 x 5.00		н н
	KN-4-5	26	Pipe	0.91 x 1.00	4.95 x 4.85	Slab bridge	5.00 x 4.90		,, ,,
	5 0 3	27	"	11	5.02 x 4.80	girder bridge	5.10 x 4.80 5.10 x 4.80	10	
	11	28		**	5.09 x 4.75	D D	5.20 x 4.70	n	' n - u
	. 10	29	,	,	5.15 x 4.70		4.40 x 4.60	1.70	Railway bridge
	KN-4-6	30	Box culvert	0.70 x 0.80		Deck Girder	4.40 X 4.00	1.70	Road bridge
	KN-5-2	31	Girder bridge	13.00 x 5.00	13.30 x 5.00			i .	" "
	KN-6	- 32	н н	10.80 x 5.10			_		, ,
	.,	33	n . 0	7.00 x 5.20		-	_		83 H
	11	34	и, : п	10.70 x 5.15	6.85 x 5.15	Deat equaduct	15.00 x 1.37	0.91	Rect. Aqueduc
	KN-7-1	35	Aqueduct		14.24 X 1.37	Rect. aqueduct			Road bridge
	17	36	Slab bridge			Girder bridge	5.30 x 5.07	3.00	" "
	KN-7-4	37	Pipe	0.91 x 2.00			5.30 x 5.05		
	n	38	Slab bridge	0.95 x 1.65			5.35 x 5.00	0.	" "
	"	39	Pipe	0.61 x 1.00	5.35 x 5.00		5.45 x 4.95	h	n e
	.,	40		- 100	5.42 x 4.95 5.49 x 4.90	,, ,,	5.50 x 4.90		, "
		41	Pipe	0.91 x 1.00	1		5.56 x 4.85		Jr 11
	. "	42	Slab bridge	2.30 x 2.00			3.50 x 4.72		Railway bridge
	KN-7-5	43	Pipe	0.45 x 1.00	1	4	7.00 x 5.10		Road bridge
	KN-9	44	Slab bridge	3.00 x 1.90	1	lt.			ir U
	п.	45		10.40 x 5.00	The second secon		6.30 x 4.60	3.66	n ' n
	KN-10	46	Pipe	0.45 x 1.00	1	_	6.30 x 4.65	1	11 11
	. "	47		0.45 x 2.00			3.60 x 5.00		,, ,,
.	KN-12	48	Slab bridge	1.70 x 2.25	6.14 x 4.50				
	KN-17	49	7	-	0.14 7 4.30	On do on to go		1	.
	1	1		<u> </u>	<u></u>	1	1		

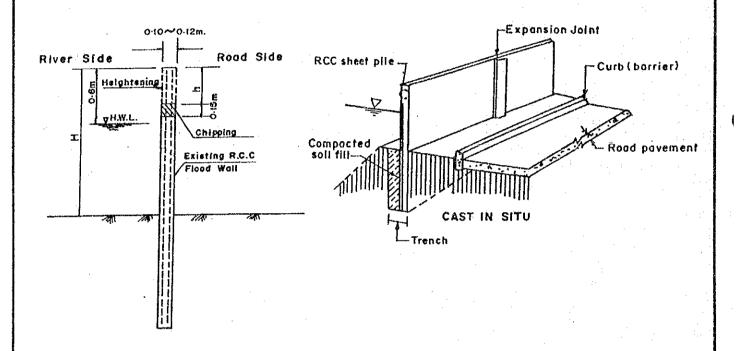












TYPICAL SECTION OF FLOOD WALL

TYPICAL SECTION OF FLOOD WALL

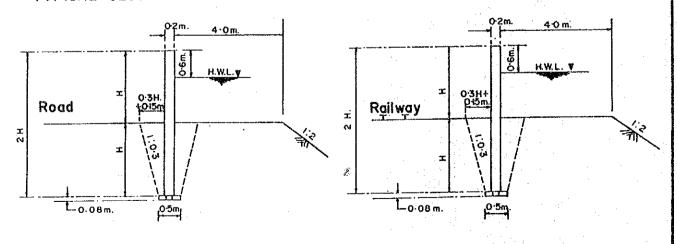
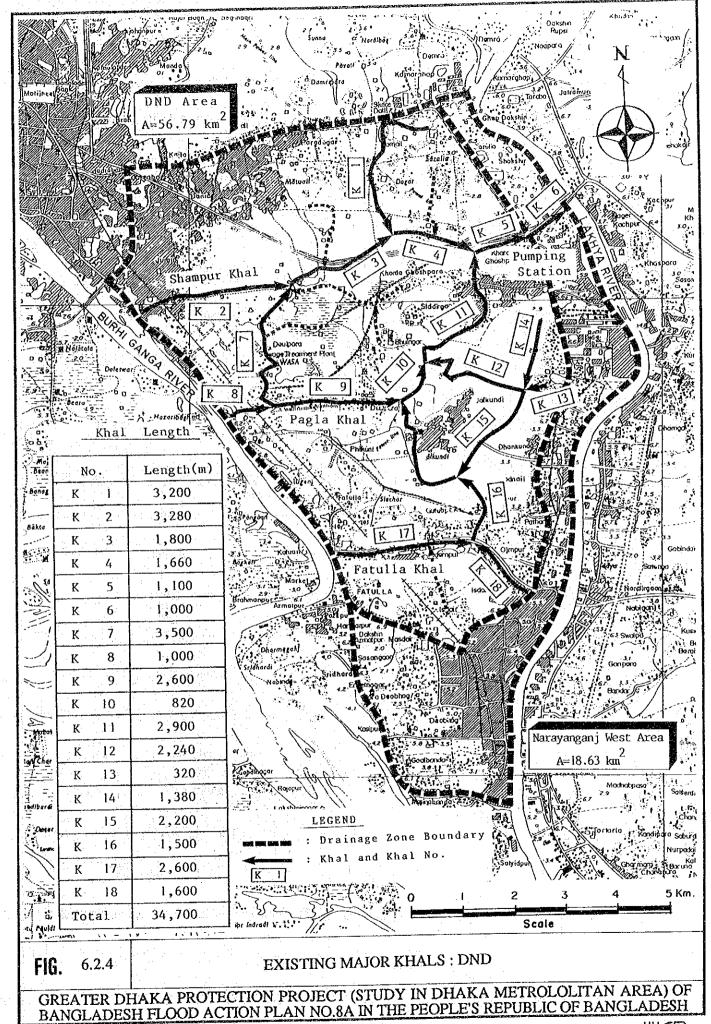
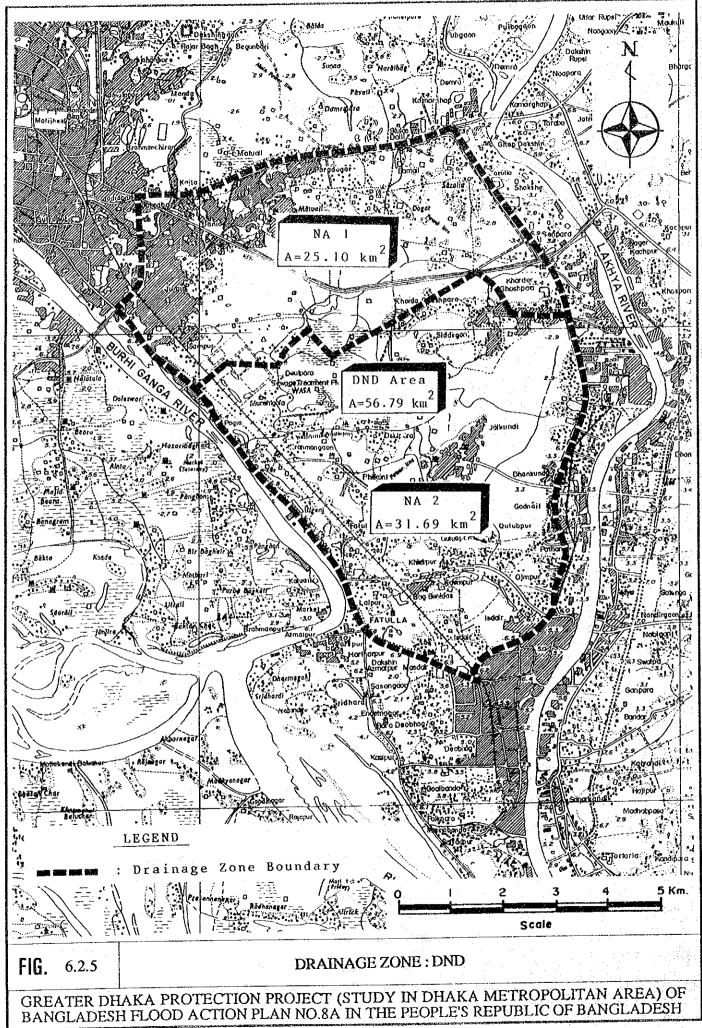
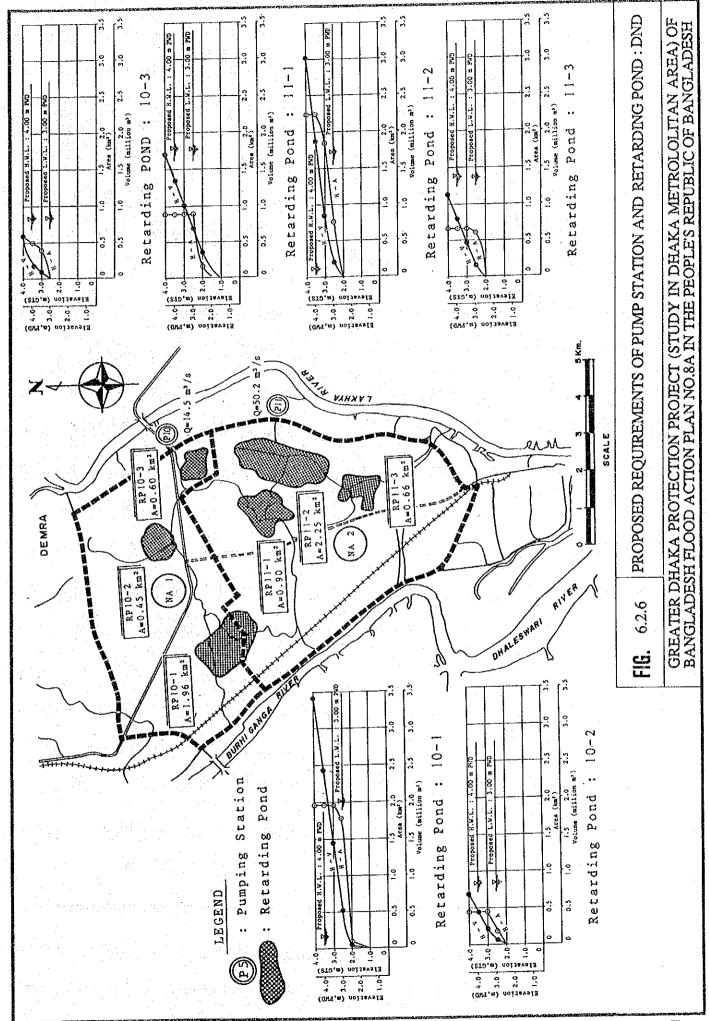


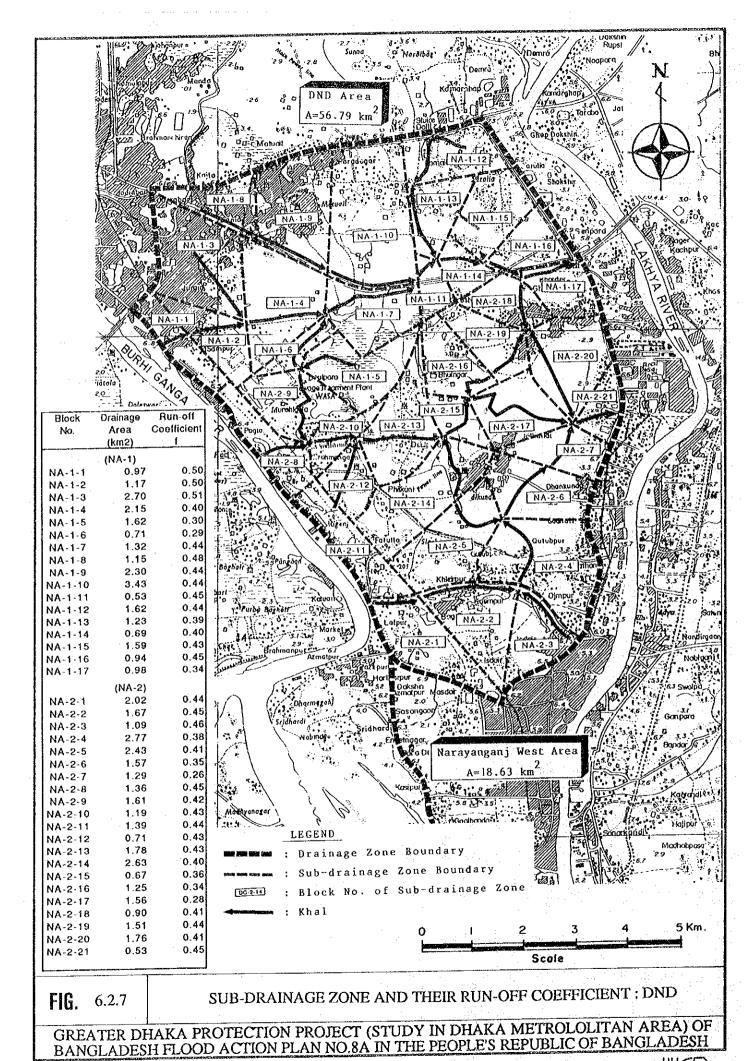
FIG. 6.2.3

TYPICAL SECTIONS OF FLOOD WALL REHABILITATION WORKS

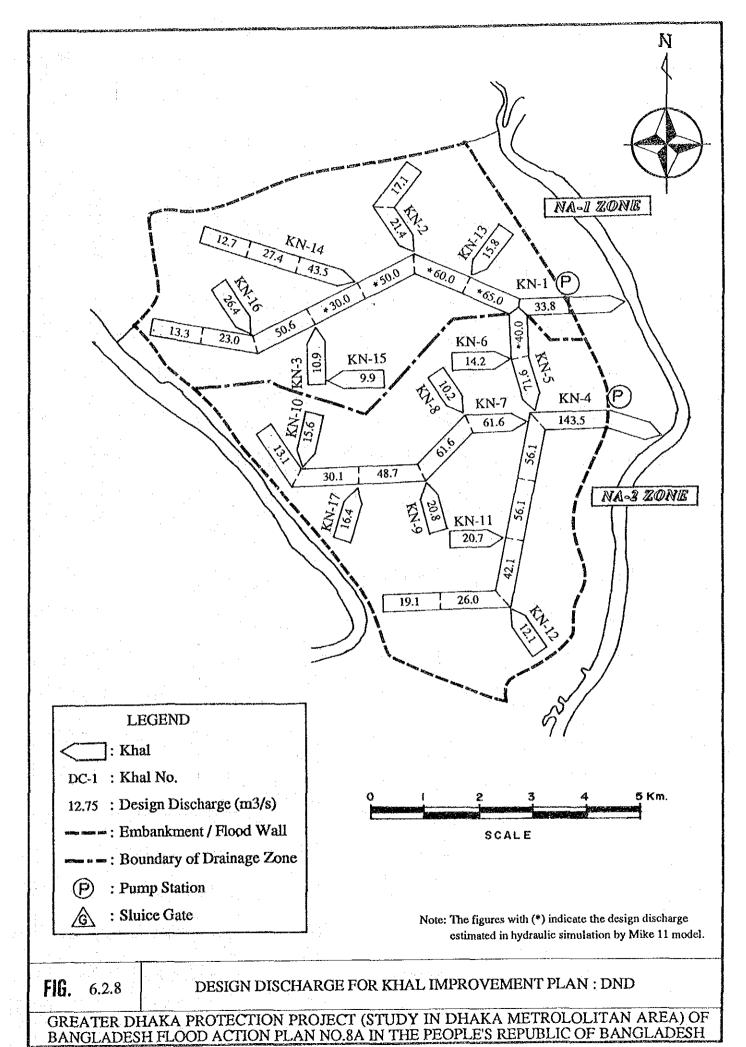


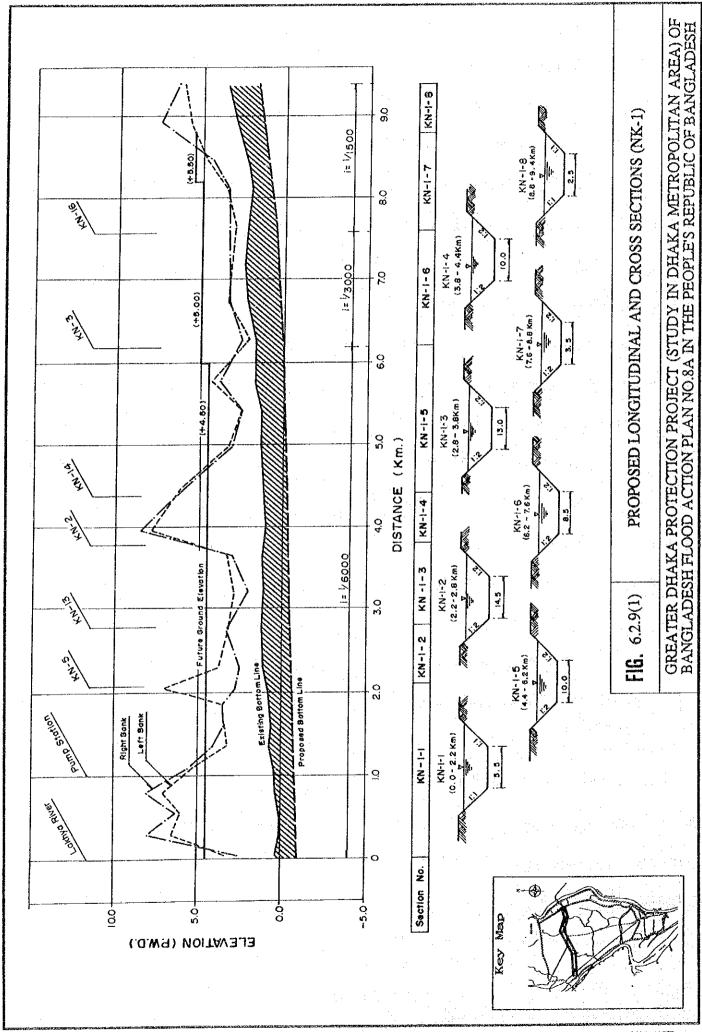


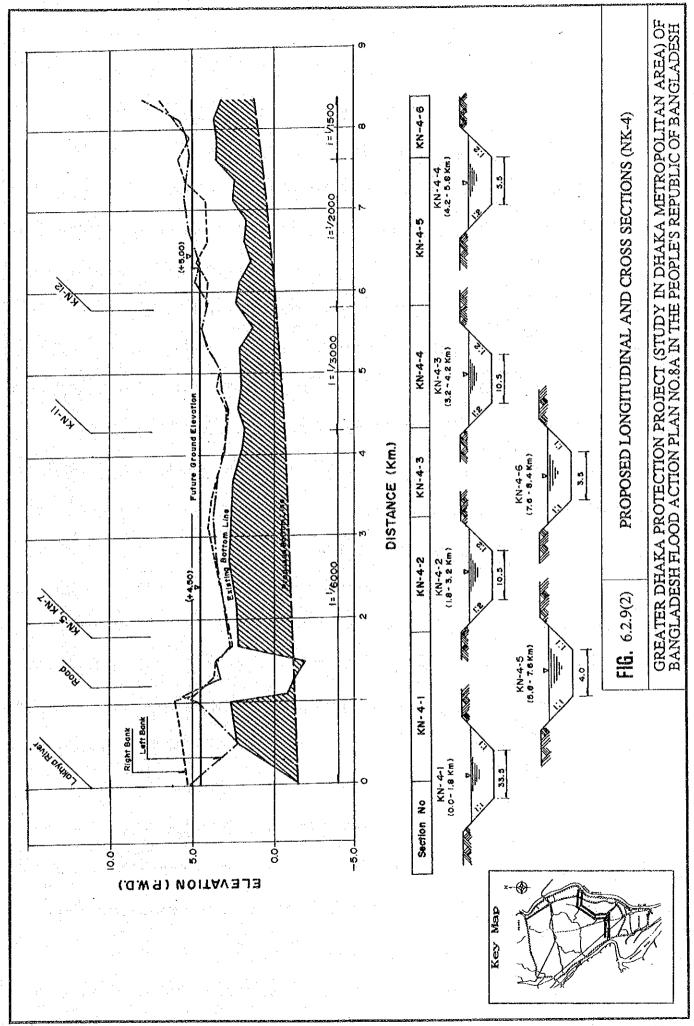




ADIL







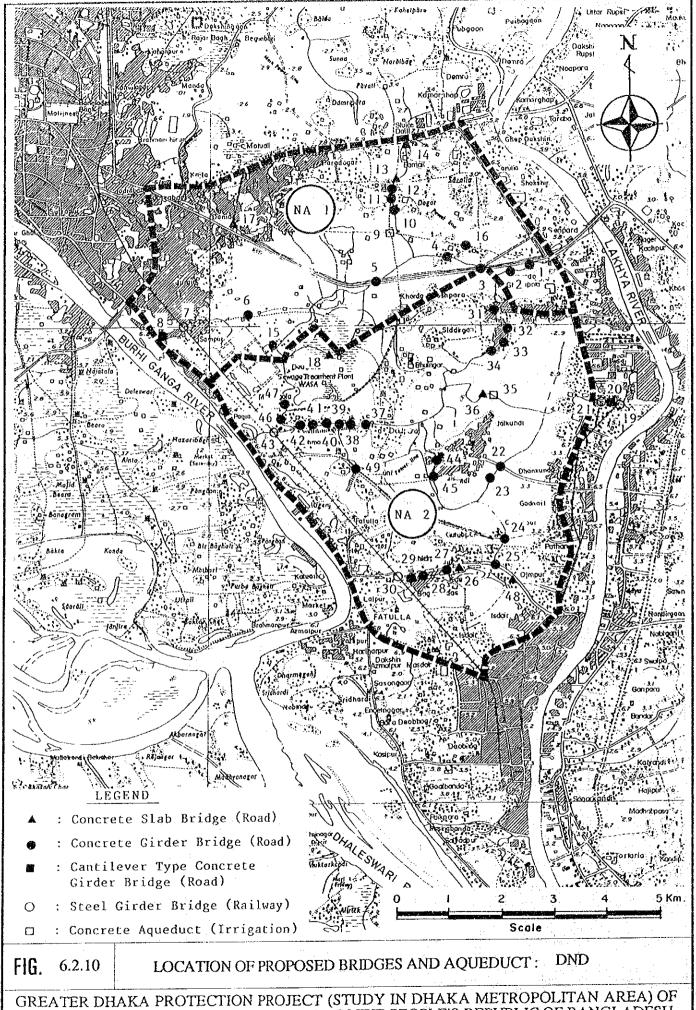


TABLE 6.3.1(1) HYDRAULIC REQUIREMENTS OF PROPOSED PUMPING STATION: NARAYANGANJ WEST

		<u>'</u> T	مدينة بالتوسف ويرسمونيو في بالمثنث التو <mark>يين الرحمان في المشاهب بالورسية بالمثني بورسمون</mark>
• • •	Kemarks		
sad		Max.	4.35 3.75 4.10 3.47
Sta	(m)	Design	2.80 2.20 2.50 1.95
m, PWD)	er	L.W.L	3.00 3.50 3.00 3.50
Design Water Level (m, PWD)	Inner	T.W.L H.W.L L.W.L	4.50 4.50 4.50 4.60
Design Wa		L.W.L	3.00 3.50 3.00 3.50
	Outer	H.W.L	5.80 5.70 5.50 5.45
		H.H.W.L	7.35 7.25 7.10 6.97
Discharge	Capacity	(m ³ /s)	2.00 2.20 2.70 5.30
	Area	(km ²)	1.73 1.92 2.36 4.65
Drainage Zone	No.		NB-1 NB-2 NB-4 NB-5
Proposed	Pumping	Station	P 12 P 13 P 14-A P 14-B

Note: 1. H.H.W.L. and H.W.L. of outer design water level means that of 100-year and 2-year frequency flood respectively

TABLE 6.3.2(2) HYDRAULIC REQUIREMENTS OF PROPOSED RETARDING POND: NARAYANGANI WEST

Retarding Pond Zone (ha) (x 106m³) H.W.L L.W.L RP 12 NB-1 21 0.21 4.20 3.00 RP 13 NB-2 23 0.23 4.60 3.50 RP 14-1 NB-4 28 0.28 4.50 3.00 RP 14-2 NB-5 26 0.26 4.60 3.50 RP 14-3 NB-5 30 0.30 4.60 3.50		Drainage	Pond Area	Storage Capacity	Desi	vel (m, PWD)	f
21 0.21 4.20 23 0.23 4.60 28 0.28 4.50 26 0.26 4.60 30 0.30 4.60		Zone	(ha)	$(\times 10^6 \text{m}^3)$	H.W.L	۲. W : ا	Kemarks
21 0.21 4.20 23 0.23 4.60 28 0.28 4.50 26 0.26 4.60 30 0.30 4.60	+						
23 0.23 4.60 28 0.28 4.50 26 0.26 4.60 30 0.30 4.60		NB-1	21	0.21	4.20	3.00	or the second se
28 0.28 4.50 26 0.26 4.60 30 0.30 4.60		NB-2	23	0.23	4.60	3.50	
26 0.26 4.60 30 0.30 4.60		NB-4	28	0.28	4.50	3.00	
30 0.30 4.60		NB-5	26	0.26	4.60	3.50	
	<u></u> ,-	NB-5	30	0.30	4.60	3.50	

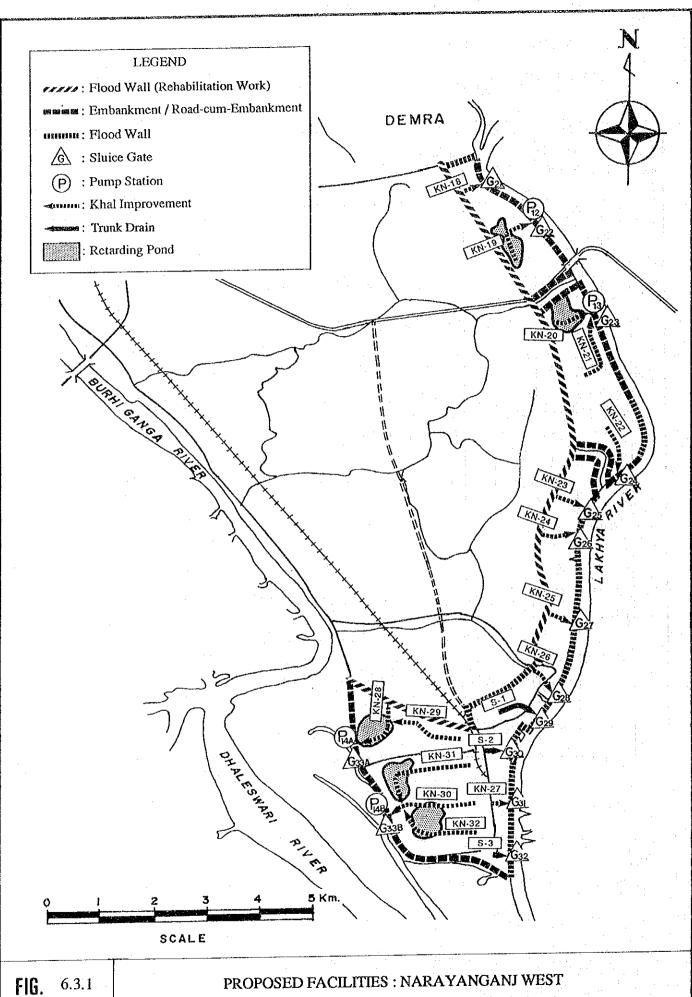
TABLE 6.3.2(1) PROPOSED KHAL AND TRUNK DRAIN IMPROVEMENT WORKS: NARAYANGANJ WEST

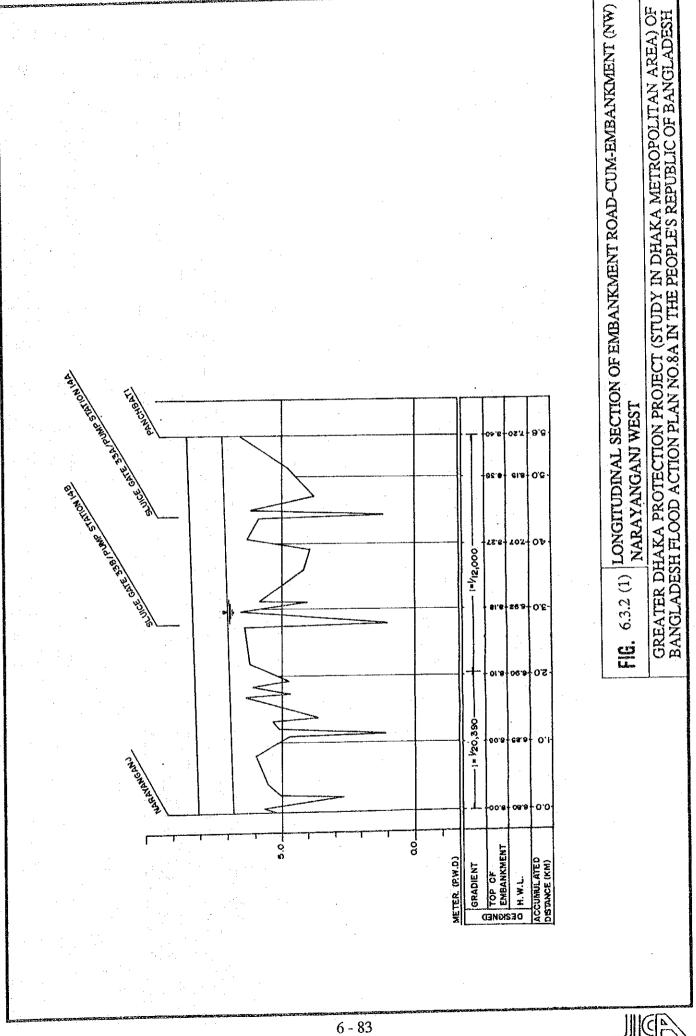
Narayangan] West Zone (NB)

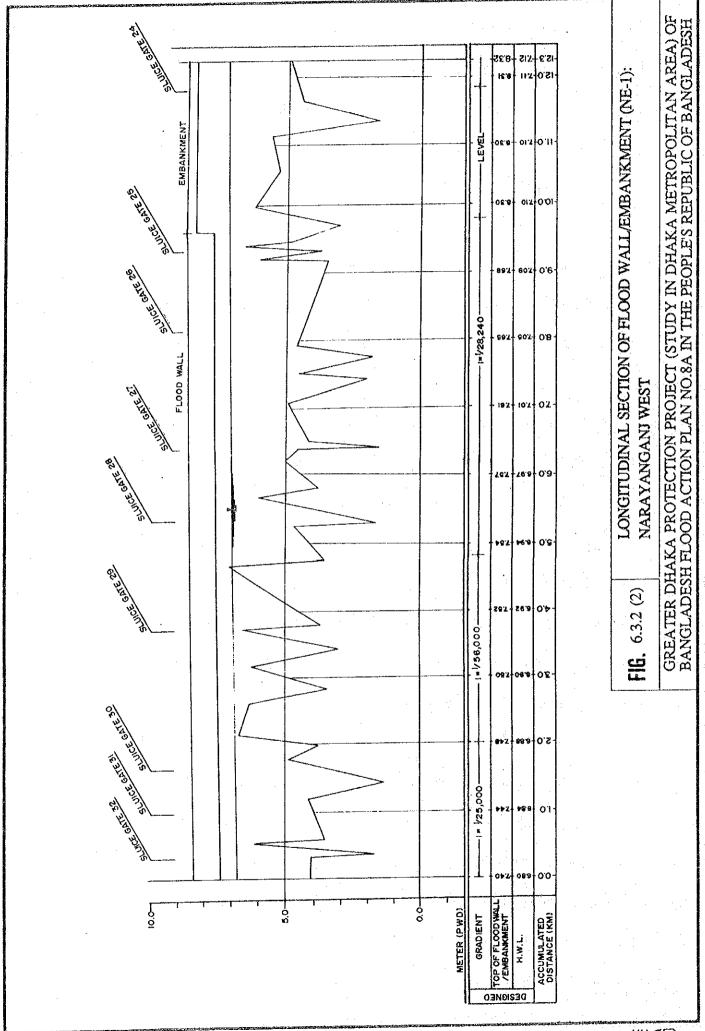
Zone	Khal	Khal	1	Require Iydrau		1	Open Channel		vered innel	Bridge	Aqueduc	Dredging	Maintenance	1
		Length		Sectio b x Wu		Brick Protection	Sodding	Box Culvert	Brick Pipe	(Places)	(Piaces)			Acquisition
	No.	(km)	(17	x m x	m)	(km)	(km)	(km)	(km)			(1000m3)	(km)	(ha)
}						2.42					_	5,52	0.40	0.65
1	KN-18	0.40	2.0	7.0	2.5	0.40	1.20	-	-	,		29.85	1.20	2.43
NB-1	KN-19	1,20	2.0	14.0	3.0	0.40	1.20	0.00	0.00	;	0	35.37	1.60	3.08
	Sub-Total	1.60				0.40	1.20	0.00	0.00	<u> </u>		, , , , , , , , , , , , , , , , , , ,		
				40.0	25		0.90	_	•			8.46	0,90	0.90
1	KN-20	0.90	3.0	13.0	2.5	1.40	0.90			1	_	26.90	1.40	2.50
N8-2	1	1.40	2.0	7.0	2.5	0.80			_ :	2	-	9.84	0.80	1.60
1	KN-22	0.80	4.5	10.5	3.0	2.20	0.90	0.00	0.00	3	0	45.20	3.10	5.00
l	Sub-Total	3.10				2.20	0.30	0.00	0.00					
	 													
j	VN 00	0.60	2.5	7.5	2.5	0.60		·]		1	-	7.80	0.60	1.02
l	KN-23 KN-24	0.80	2.5	7,5 7.5	2.5	0.70					-	11.20	0.70	1.20
ĺ	1	0.40	2,0	7.0	2.5	0.40		.	F 3			0,00	0.40	0.37
	KN-25	0.60	2.0	7.0	2.5	0.60		_	-	_	_	0.00	0.60	0.12
NB-3	KN-26	0.80	2.0	7.0	2.5	0.30		.		_		1.80	0.30	0.31
1	KN-27	0.30	3.0	-	3.0	0.50		0.90		_	-	21.69	0.90	1.50
]	S-1	0.30	3.0	2.5	3.0			0.00	0.30		-	5.76	0.30	0.46
	\$-2 S-3	0.30		2.2				_	0.20		-	2.44	0.20	0.29
	Sub-Total	4.00		٤.٤		2.60	0.00	0.90	0.50	2	0	50.69	4.00	5.27
											· · ·			
	KN-28-1	0.90	6.0	18.0	3.0		0.90			_		10.25	0.90	1.65
NB-4	KN-28-2	0.50	2.0	13.3	2.8		0.50	- 1	-	-	-	4.33	0.50	1.04
ND-4	KN-29	1.40	2.0	8.0	3.0	1.40	-	-		2	-	35.40	1.40	2.70
	Sub-Total	2.80	2.4	0.0		1.40	1.40	0.00	0.00	2	0	49.98	2.80	5.39
	KN-30-1	0.30	9.5	15.5	3.0	0.30	-	.]	- '	1	-	13.52	0.30	0.41
	KN-30-1 KN-30-2	1.50	2.5	8.5	3.0	1.50	.	.]	.	_	- [13.67	1.50	1.26
NB-5	KN-30-2 KN-31-1	0.80	2.5	14.5	3.0		0.80		-	.1		22.80	0.80	1.53
ND-3	KN-31-1	1.30	2.0	8.0	3.0	1.30		- 1	- 1	2	-	33.30	1.30	3.01
	KN-32	1.80	2.5	8.5	3.0	1.80			.]	2		37.60	1.80	3,45
	Sub-Total	5.70	£	0.0		4.90	0.80	0.00	0.00	6	0	120.89	5.70	9.66
	030-10tal			,								1.		
	Total	17.20				11.50	4.30	0.90	0.50	14	0	302,13	17.20	28.40

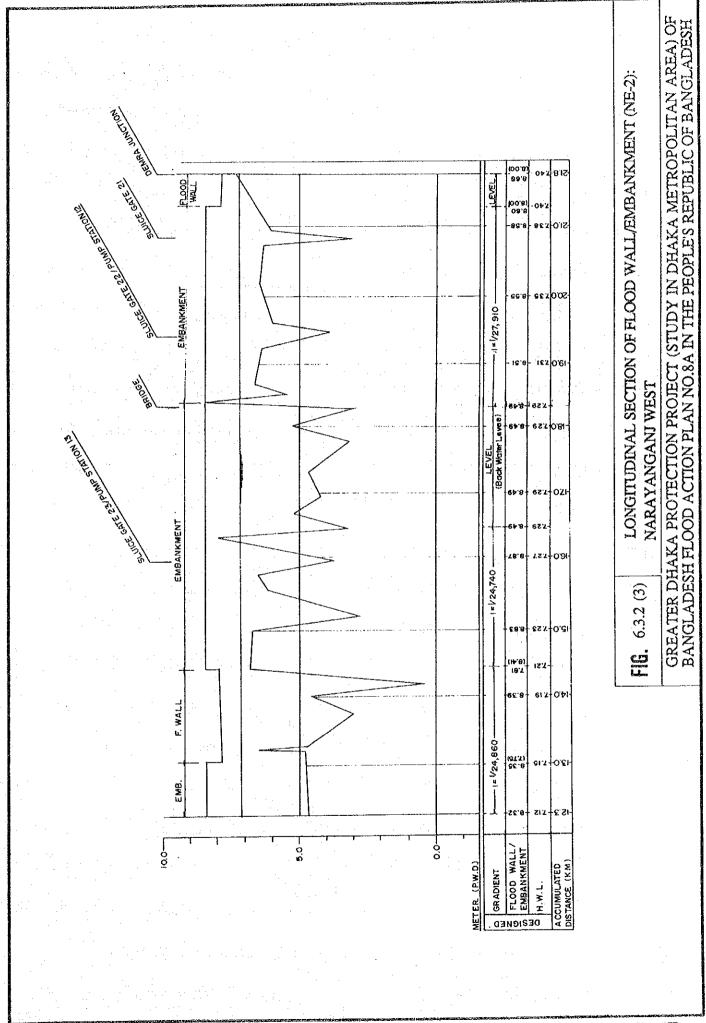
TABLE 6.3.2(2) PROPOSED KHAL IMPROVEMENT RELATED WORKS (BRIDGE) : NARAYANGANJ WEST

	Khal	Bridge		Existing	Re	quired		Pro	posed		
Zone	No.	No.	Туре	Size		Size	Туре		Size	Width	Remarks
				(m x m)	(m	x m)		(m	xm)	<u> </u>	
NB-1	KN-19	50	<u>-</u>	-	5.60	x 4.00	Girder bridge	5.6	x 4.00	<u>.</u>	Road bridge
NB-2	KN-21	51	-	-	2.60	x 4.00	Slab bridge	2.7	x 4.00	-	1) 4
	KN-22	52	- .	-	5.25	x 4.00	Girder bridge	5.3	x 4.00	-	31 21
	н	53	- -	<u>.</u>	5.25	x 4.00	Deck girder	5.3	x 4.00	1.7	Railway bridge
NB-3	KN-23	54		_	3.50	x 3.50) jį II	3.5	x 3.50	н.	u ti
C-GN	KN-24	.55	_	•		x 3.50		3.5	x 3.50		14 H
	KN-25	56	Deck-Rly	6.10 x 6.10			, i		-	-	11 ' 11
	K14-22	57	-	2x4.6 x 5.00						-	Roade bridge
	KN-26	58		4.60 x 4.90		x 3.50	i			-	11 11
	KN-27	59		6.00 x 4.70					-	-	н
NB-4	KN-29	60	-	_	3.50	x 4.00	Slab bridge	3.50	x 4.00	3.66	Road bridge
112 1	0	61	-	-	3.50	x 4.00	в н	3.50	x 4.00	17	15 H
NB-5	KN-30-1	62	-	***************************************	8.75	x 4.00	Girder bridge	8.80	x 4.00	"	n #
	KN-30-2	1	Girder bridge	11.80 x 5.10	3.85	x 4.00	· -		- .	-	н н
	KN-31-1	l '	-	- -	5.95	x 4.00	Slab bridge	6.00	x 4.00	3.66	
	KN-31-2	1			3.50	x 4.00	ր ս	3.50	x 4.00	"	. "
	"	66	<u>-</u>	· -	3.50	x 4.00	· u n	3.50	x 4.00) "	н ॥
	KN-32	67	-	·	3.85	x 4.00	,, n	3.90	x 4.00) "	11
	,	68	-	-	3.85	x 4.00	n 11	3.90	x 4.00) ".	

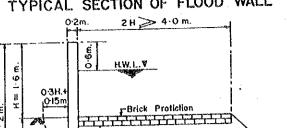








TYPICAL SECTION OF FLOOD WALL

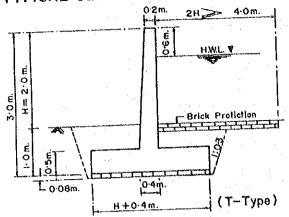


2H=3.2

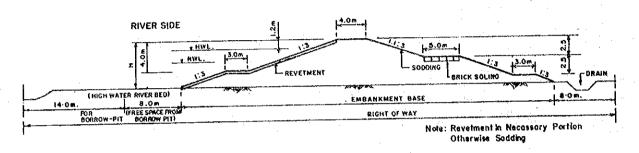
9.1

To 08 m 0

TYPICAL SECTION OF FLOOD WALL

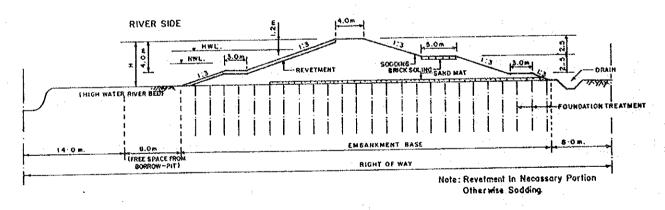


TYPICAL SECTION OF EMBANKMENT



(I-Type)

. TYPICAL SECTION OF EMBANKMENT WITH FOUNDATION TREATMENT



TYPICAL SECTION OF ROAD-CUM EMBANKMENT

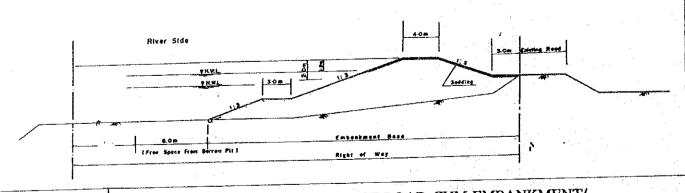
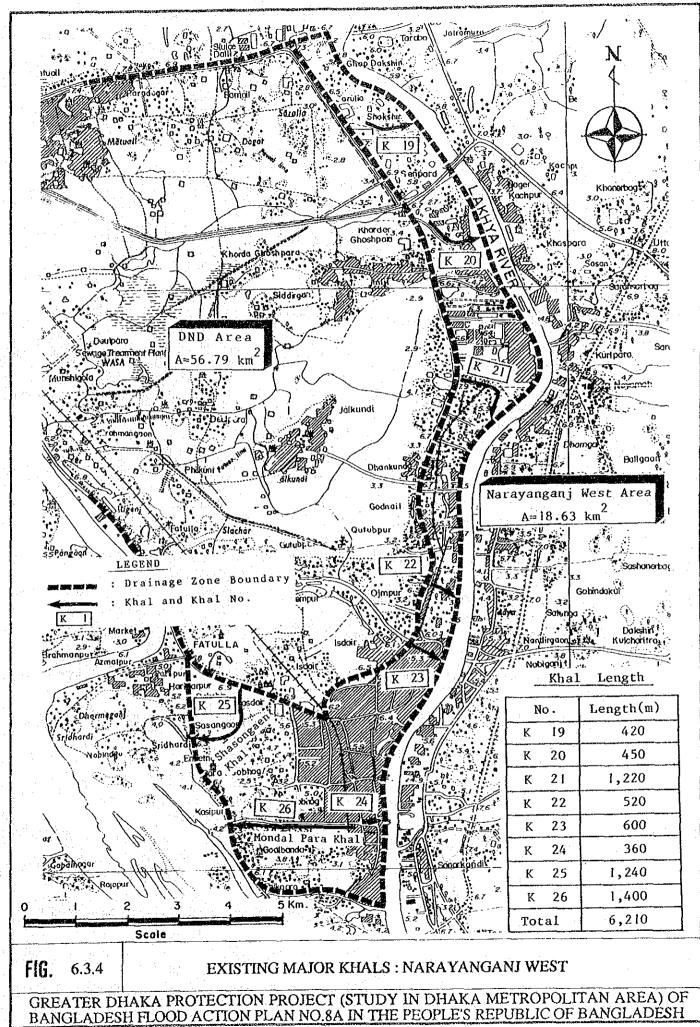
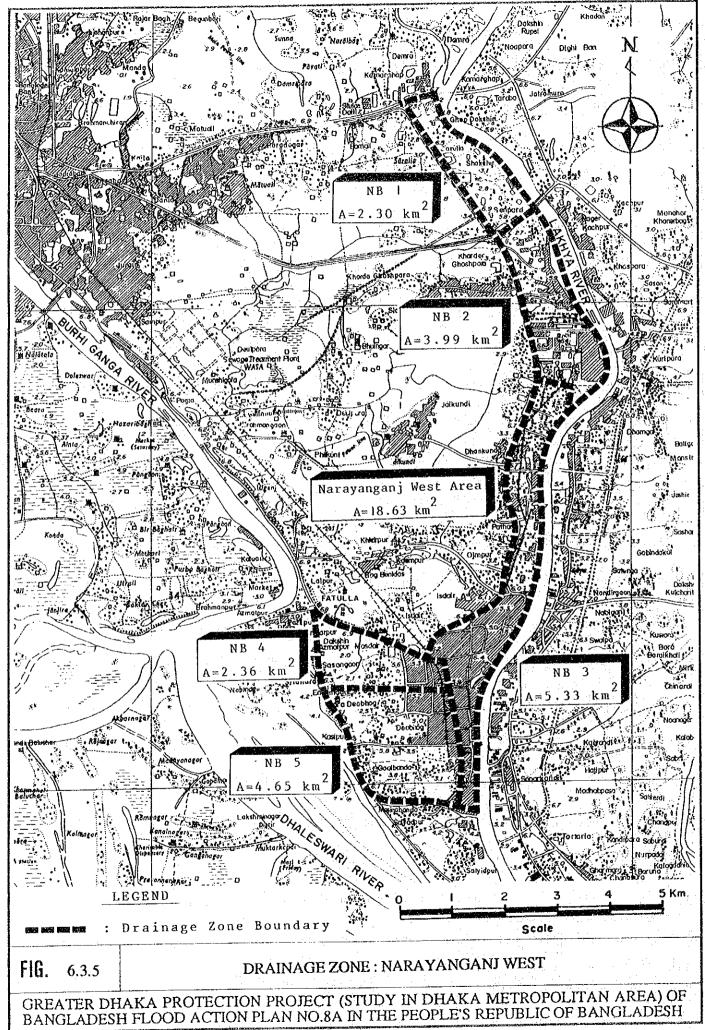
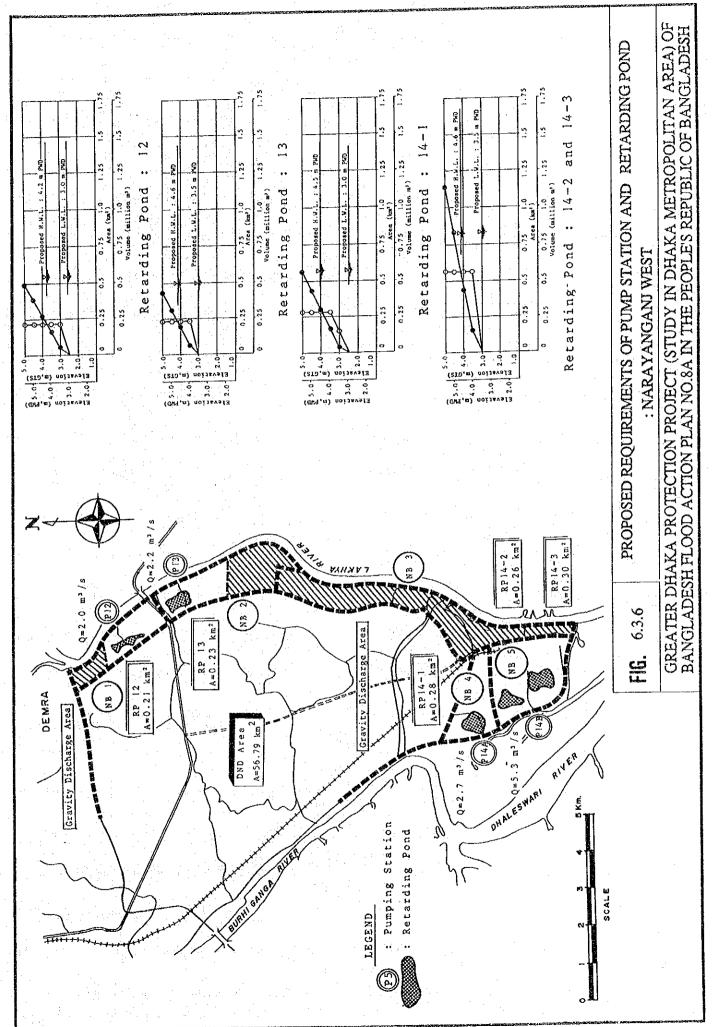


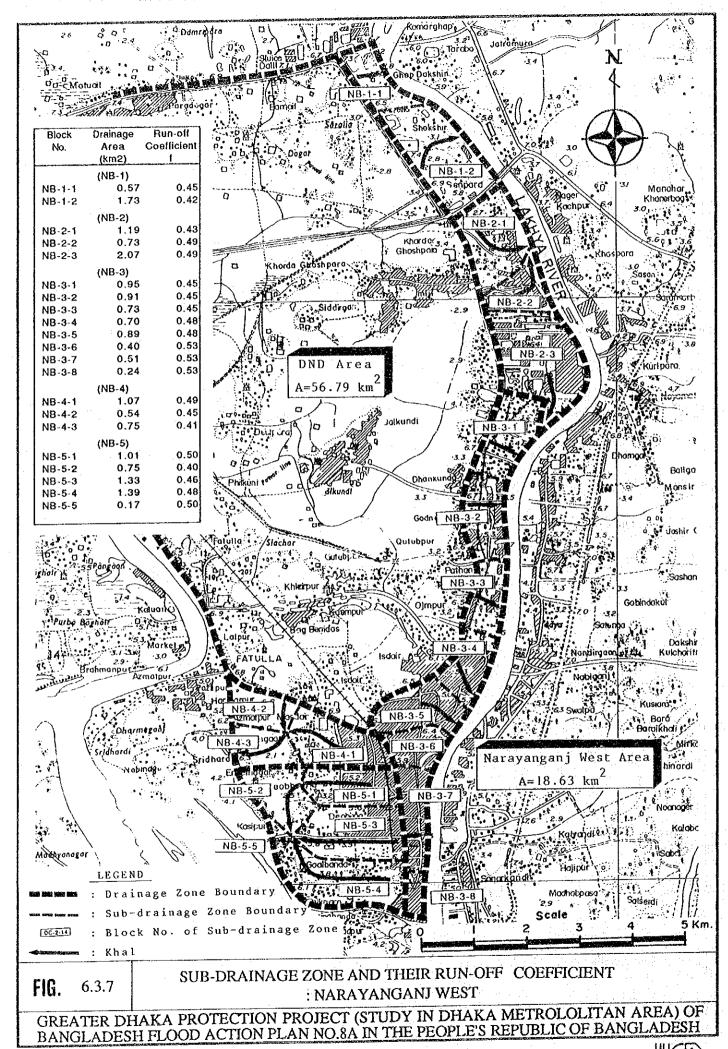
FIG. 6.3.3 TYPICAL CROSS-SECTION OF ROAD-CUM-EMBANKMENT/ EMBANKMENT AND FLOOD WALL

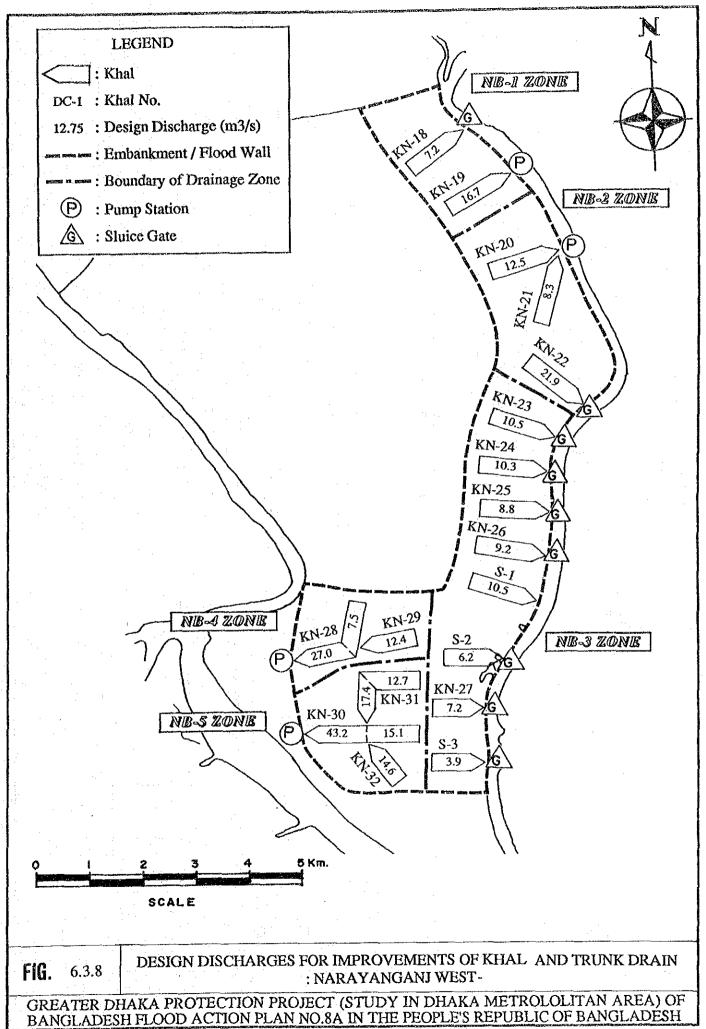


DANGLADEM!

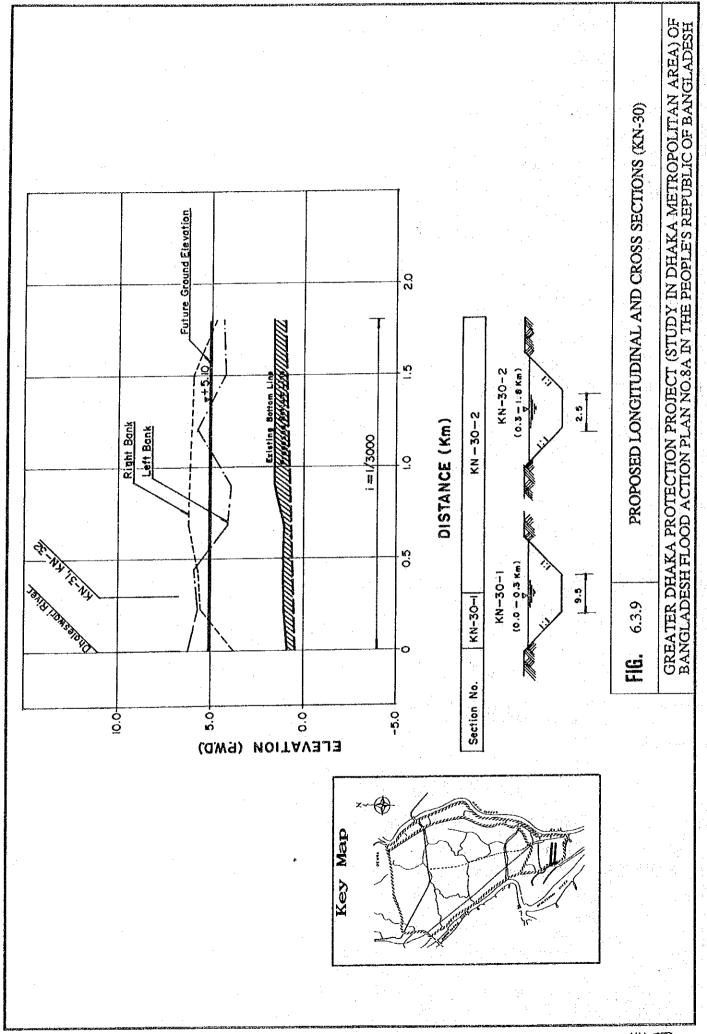


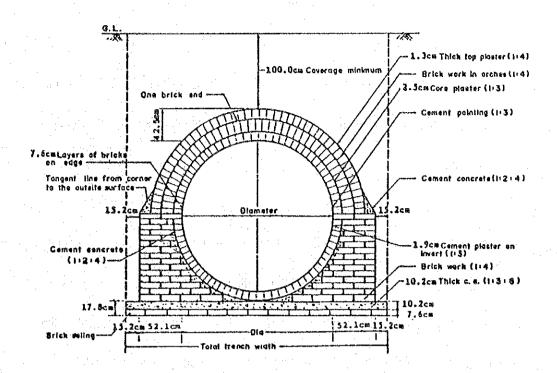




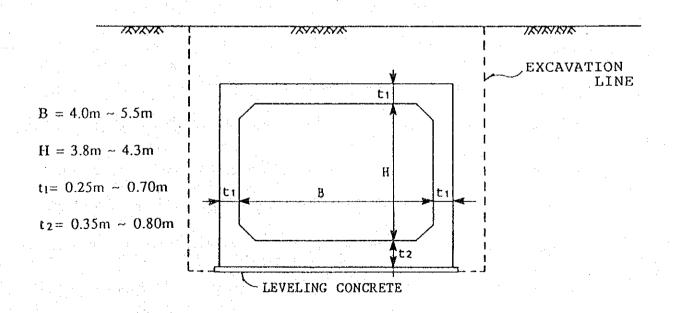


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TYPE (1): BRICK PIPE (Blow \$3,000 m/m)



TYPE (2): SINGLE BOX CULVERT

FIG. 6.3.10 TYPICAL DESIGN OF PROPOSED TRUNK DRAIN