

POSITION OF PILE CAP TOP
LEVEL (FROM FIELD DATA)

MASHPARA BRIDGE
AT KM. 61.98
(PILE CAP LEVEL
10.00 m)

JORGACHA BRIDGE
AT KM. 72.813
(PILE CAP LEVEL
14.00 m)

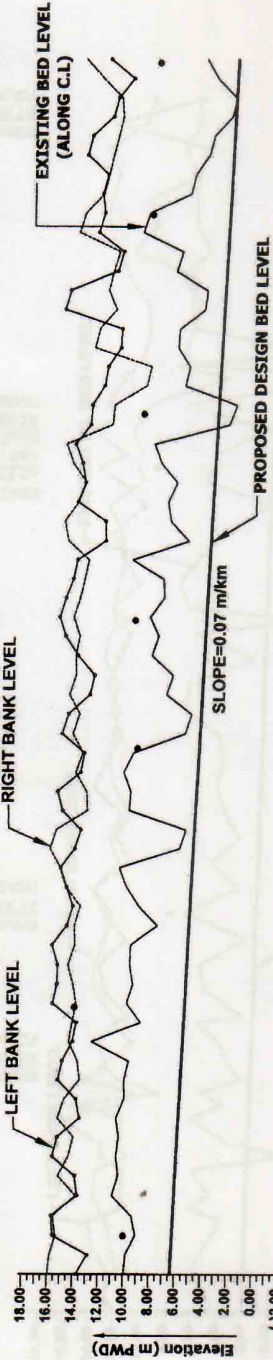
NIMGACHI BRIDGE
AT KM. 87.23
(PILE CAP LEVEL
9.25 m)

BEELCHAPRI BRIDGE
AT KM. 93.83
(PILE CAP LEVEL 9.5 m)

BOTHUBARI BRIDGE
AT KM. 104.54 (PILE
CAP LEVEL 9.00 m)

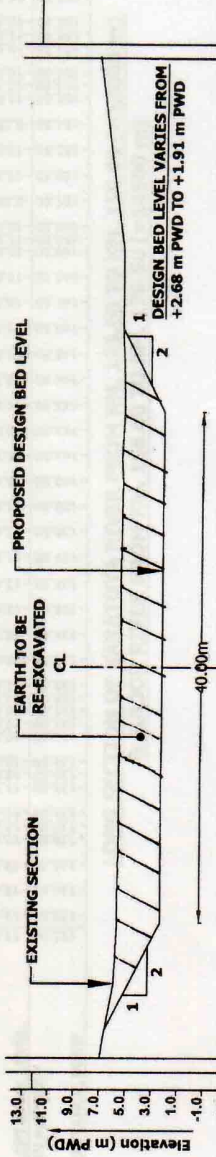
BELGACHI BRIDGE
AT KM. 104.54 (PILE
CAP LEVEL 8.50 m)

BOGURABAZAR BRIDGE
AT KM. 104.54 (PILE
CAP LEVEL 8.50 m)



DATUM LEVEL IN (mPWD)	DESIGN BED WIDTH, IN m	PROPOSED DESIGN BED LEVEL IN (m PWD)	EXISTING BED LEVEL ALONG C/L IN (m PWD)	RIGHT BANK LEVEL IN (m PWD)	LEFT BANK LEVEL IN (m PWD)	CHAINAGE IN KM
18.00	30.00	18.00	18.00	18.00	18.00	60.00
16.00	30.00	16.00	16.00	16.00	16.00	61.00
14.00	30.00	14.00	14.00	14.00	14.00	62.00
12.00	30.00	12.00	12.00	12.00	12.00	63.00
10.00	30.00	10.00	10.00	10.00	10.00	64.00
8.00	30.00	8.00	8.00	8.00	8.00	65.00
6.00	30.00	6.00	6.00	6.00	6.00	66.00
4.00	30.00	4.00	4.00	4.00	4.00	67.00
2.00	30.00	2.00	2.00	2.00	2.00	68.00
0.00	30.00	0.00	0.00	0.00	0.00	69.00
(-2.00)	30.00	(-2.00)	(-2.00)	(-2.00)	(-2.00)	70.00
(-4.00)	30.00	(-4.00)	(-4.00)	(-4.00)	(-4.00)	71.00
	30.00					72.00
	30.00					73.00
	30.00					74.00
	30.00					75.00
	30.00					76.00
	30.00					77.00
	30.00					78.00
	30.00					79.00
	30.00					80.00
	30.00					81.00
	30.00					82.00
	30.00					83.00
	30.00					84.00
	30.00					85.00
	30.00					86.00
	30.00					87.00
	30.00					88.00
	30.00					89.00
	30.00					90.00
	30.00					91.00
	30.00					92.00
	30.00					93.00
	30.00					94.00
	30.00					95.00
	30.00					96.00
	30.00					97.00
	30.00					98.00
	30.00					99.00
	30.00					100.00
	30.00					101.00
	30.00					102.00
	30.00					103.00
	30.00					104.00
	30.00					105.00
	30.00					106.00
	30.00					107.00
	30.00					108.00
	30.00					109.00
	30.00					110.00
	30.00					111.00
	30.00					112.00
	30.00					113.00
	30.00					114.00
	30.00					115.00
	30.00					116.00
	30.00					117.00
	30.00					118.00
	30.00					119.00
	30.00					120.00
	30.00					121.00
	30.00					122.00
	30.00					123.00

LONG SECTION OF KARATOYA RIVER FROM KM. 60.00 TO KM. 123.00 (= 63000 m)



Datum (m PWD)	Existing Level (m PWD)	Distance (m)
13.0	13.0	0.00
11.0	11.0	12.16
9.0	9.0	24.32
7.0	7.0	36.48
5.0	5.0	48.64
3.0	3.0	60.80
1.0	1.0	72.96
-1.0	-1.0	85.12
-3.0	-3.0	97.28
-5.0	-5.0	109.44
		121.60
		133.76
		145.92
		158.08
		170.24
		182.40
		194.56
		206.72
		218.88
		231.04

CROSS SECTION NO-93 AT KM 116.00 OF BANGALI RIVER
(LIMIT OF WORK FROM KM 112.00 TO KM 123.00 = 11000 m)

BANGLADESH WATER DEVELOPMENT BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6

DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF
BANGALI-KARATOYA-FULJORA-HUGASHAGOR RIVER SYSTEM IN GAIBANDHA DISTRICT
(FROM KM. 0.00 TO KM. 24.00-24000 m); IN BOGURA DISTRICT (FROM KM. 24.00 TO
KM. 123.00 = 99000 m); IN SIRAJGANJ DISTRICT (FROM KM. 123.00 TO KM.
217.00 = 94000m) UNDER GAIBANDHA, BOGURA & SIRAJGANJ O&M DIVISION, BWDB.

DESIGNED: *[Signature]* 15.12.19
(MD ROMAN ALI PRAMANIK) S.E.

CHECKED: *[Signature]* 15.12.19
(UMME FATIMA ROMANA AFROD) E.E.

APPROVED: *[Signature]* 15.12.19
(MOTAHAR HOSSAIN) C.E.

DATE: 15.12.2019

DWG NO: BOG-DRDC-8629 (5 OF 10)



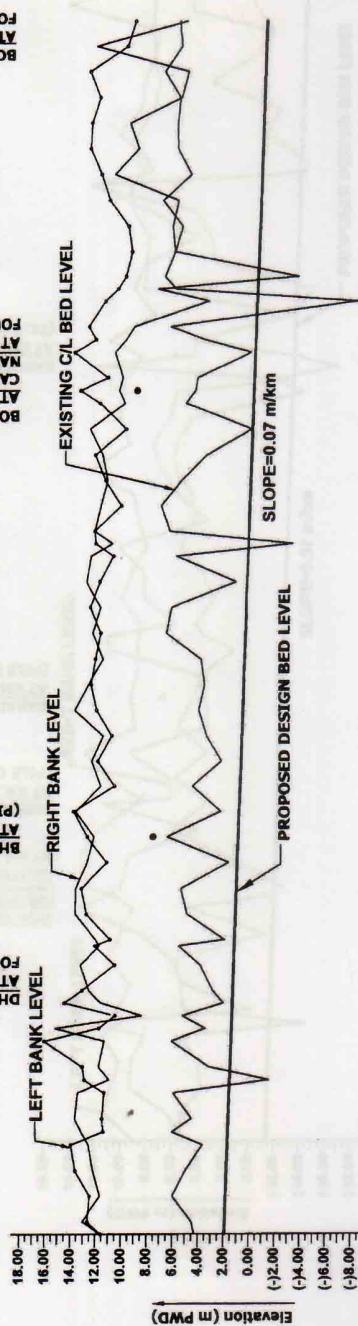
⑨ — POSITION OF PILE CAP TOP LEVEL (FROM FIELD DATA)

BOROHOR BRIDGE
AT KM. 157.5 (DATA NOT FOUND)

BOKULTOLA BRIDGE
AT KM. 156.00 (PILE CAP LEVEL 8.72 m)
MALKA BRIDGE
AT KM. 157.5 (DATA NOT FOUND)

BHUYAGATI BRIDGE
AT KM. 138.50
(PILE CAP LEVEL 7.45 m)

DHANGORA BRIDGE
AT KM. 132.50 (DATA NOT FOUND)



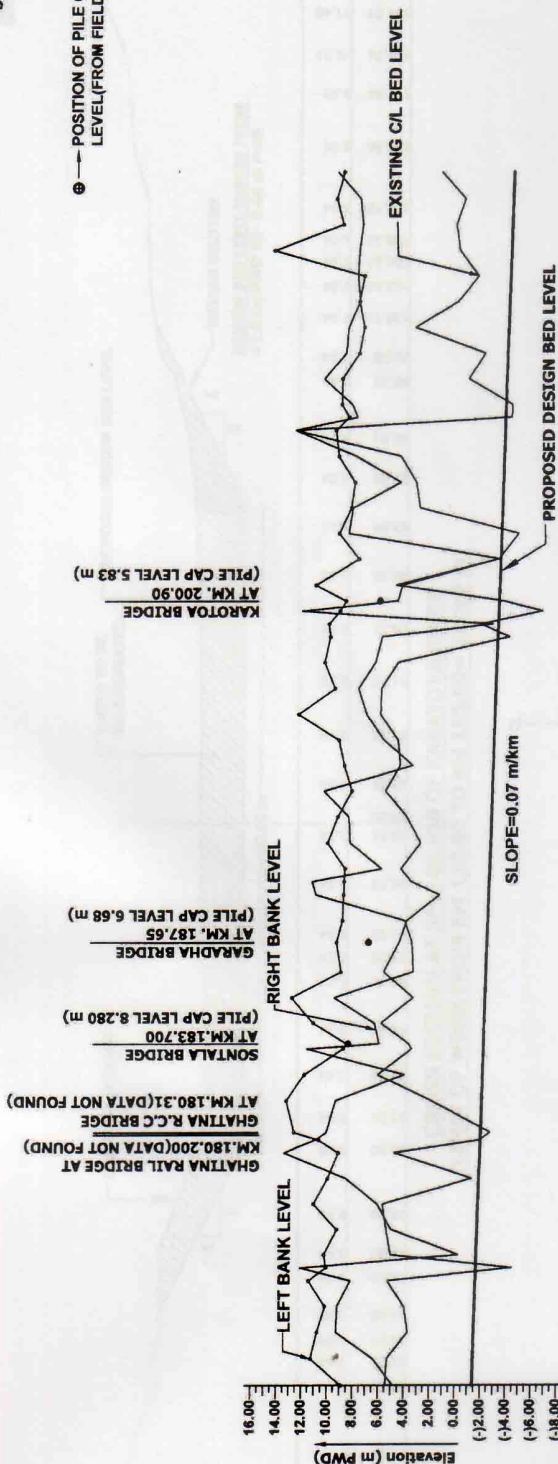
DATUM LEVEL	DESIGN BED WIDTH m	DESIGN BED WIDTH m PWD	EXISTING C/L BED LEVEL IN m (PWD)	RIGHT BANK LEVEL IN m (PWD)	LEFT BANK LEVEL IN m (PWD)	DISTANCE, IN KM
1.91	50.00	1.91	1.91	1.91	1.91	123.00
4.27	50.00	4.27	4.27	4.27	4.27	123.50
11.54	50.00	11.54	11.54	11.54	11.54	124.00
12.62	50.00	12.62	12.62	12.62	12.62	124.50
13.00	50.00	13.00	13.00	13.00	13.00	125.00
13.56	50.00	13.56	13.56	13.56	13.56	125.50
14.42	50.00	14.42	14.42	14.42	14.42	126.00
15.60	50.00	15.60	15.60	15.60	15.60	126.50
16.00	50.00	16.00	16.00	16.00	16.00	127.00
17.00	50.00	17.00	17.00	17.00	17.00	127.50
18.00	50.00	18.00	18.00	18.00	18.00	128.00
19.00	50.00	19.00	19.00	19.00	19.00	128.50
20.00	50.00	20.00	20.00	20.00	20.00	129.00
21.00	50.00	21.00	21.00	21.00	21.00	129.50
22.00	50.00	22.00	22.00	22.00	22.00	130.00
23.00	50.00	23.00	23.00	23.00	23.00	130.50
24.00	50.00	24.00	24.00	24.00	24.00	131.00
25.00	50.00	25.00	25.00	25.00	25.00	131.50
26.00	50.00	26.00	26.00	26.00	26.00	132.00
27.00	50.00	27.00	27.00	27.00	27.00	132.50
28.00	50.00	28.00	28.00	28.00	28.00	133.00
29.00	50.00	29.00	29.00	29.00	29.00	133.50
30.00	50.00	30.00	30.00	30.00	30.00	134.00
31.00	50.00	31.00	31.00	31.00	31.00	134.50
32.00	50.00	32.00	32.00	32.00	32.00	135.00
33.00	50.00	33.00	33.00	33.00	33.00	135.50
34.00	50.00	34.00	34.00	34.00	34.00	136.00
35.00	50.00	35.00	35.00	35.00	35.00	136.50
36.00	50.00	36.00	36.00	36.00	36.00	137.00
37.00	50.00	37.00	37.00	37.00	37.00	137.50
38.00	50.00	38.00	38.00	38.00	38.00	138.00
39.00	50.00	39.00	39.00	39.00	39.00	138.50
40.00	50.00	40.00	40.00	40.00	40.00	139.00
41.00	50.00	41.00	41.00	41.00	41.00	139.50
42.00	50.00	42.00	42.00	42.00	42.00	140.00
43.00	50.00	43.00	43.00	43.00	43.00	140.50
44.00	50.00	44.00	44.00	44.00	44.00	141.00
45.00	50.00	45.00	45.00	45.00	45.00	141.50
46.00	50.00	46.00	46.00	46.00	46.00	142.00
47.00	50.00	47.00	47.00	47.00	47.00	142.50
48.00	50.00	48.00	48.00	48.00	48.00	143.00
49.00	50.00	49.00	49.00	49.00	49.00	143.50
50.00	50.00	50.00	50.00	50.00	50.00	144.00
51.00	50.00	51.00	51.00	51.00	51.00	144.50
52.00	50.00	52.00	52.00	52.00	52.00	145.00
53.00	50.00	53.00	53.00	53.00	53.00	145.50
54.00	50.00	54.00	54.00	54.00	54.00	146.00
55.00	50.00	55.00	55.00	55.00	55.00	146.50
56.00	50.00	56.00	56.00	56.00	56.00	147.00
57.00	50.00	57.00	57.00	57.00	57.00	147.50
58.00	50.00	58.00	58.00	58.00	58.00	148.00
59.00	50.00	59.00	59.00	59.00	59.00	148.50
60.00	50.00	60.00	60.00	60.00	60.00	149.00
61.00	50.00	61.00	61.00	61.00	61.00	149.50
62.00	50.00	62.00	62.00	62.00	62.00	150.00
63.00	50.00	63.00	63.00	63.00	63.00	150.50
64.00	50.00	64.00	64.00	64.00	64.00	151.00
65.00	50.00	65.00	65.00	65.00	65.00	151.50
66.00	50.00	66.00	66.00	66.00	66.00	152.00
67.00	50.00	67.00	67.00	67.00	67.00	152.50
68.00	50.00	68.00	68.00	68.00	68.00	153.00
69.00	50.00	69.00	69.00	69.00	69.00	153.50
70.00	50.00	70.00	70.00	70.00	70.00	154.00
71.00	50.00	71.00	71.00	71.00	71.00	154.50
72.00	50.00	72.00	72.00	72.00	72.00	155.00
73.00	50.00	73.00	73.00	73.00	73.00	155.50
74.00	50.00	74.00	74.00	74.00	74.00	156.00
75.00	50.00	75.00	75.00	75.00	75.00	156.50
76.00	50.00	76.00	76.00	76.00	76.00	157.00
77.00	50.00	77.00	77.00	77.00	77.00	157.50
78.00	50.00	78.00	78.00	78.00	78.00	158.00
79.00	50.00	79.00	79.00	79.00	79.00	158.50
80.00	50.00	80.00	80.00	80.00	80.00	159.00
81.00	50.00	81.00	81.00	81.00	81.00	159.50
82.00	50.00	82.00	82.00	82.00	82.00	160.00
83.00	50.00	83.00	83.00	83.00	83.00	160.50
84.00	50.00	84.00	84.00	84.00	84.00	161.00
85.00	50.00	85.00	85.00	85.00	85.00	161.50
86.00	50.00	86.00	86.00	86.00	86.00	162.00
87.00	50.00	87.00	87.00	87.00	87.00	162.50
88.00	50.00	88.00	88.00	88.00	88.00	163.00
89.00	50.00	89.00	89.00	89.00	89.00	163.50
90.00	50.00	90.00	90.00	90.00	90.00	164.00
91.00	50.00	91.00	91.00	91.00	91.00	164.50
92.00	50.00	92.00	92.00	92.00	92.00	165.00
93.00	50.00	93.00	93.00	93.00	93.00	165.50
94.00	50.00	94.00	94.00	94.00	94.00	166.00
95.00	50.00	95.00	95.00	95.00	95.00	166.50
96.00	50.00	96.00	96.00	96.00	96.00	167.00
97.00	50.00	97.00	97.00	97.00	97.00	167.50
98.00	50.00	98.00	98.00	98.00	98.00	168.00
99.00	50.00	99.00	99.00	99.00	99.00	168.50
100.00	50.00	100.00	100.00	100.00	100.00	169.00

LONG SECTION OF KARATOYA RIVER FROM KM. 123.00 TO KM. 156.00 (= 33000 m)
& FULJOR RIVER FROM KM. 156.00 TO KM. 170.50 (= 14500 m)

BANGLADESH WATER DEVELOPMENT BOARD OFFICE OF THE SUPERINTENDING ENGINEER DESIGN CIRCLE - 6	
DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF BANGALI-KARATOYA-FULJOR-HURASHAGOR RIVER SYSTEM IN GAIBANDHA DISTRICT (FROM KM. 0.00 TO KM. 24.000 m); IN BOGURA DISTRICT (FROM KM. 24.00 TO KM. 123.00 = 99000 m) IN SIRAJGANJ DISTRICT (FROM KM. 123.00 TO KM. 217.00=94000m) UNDER GAIBANDHA, BOGURA & SIRAJGANJ O&M DIVISION, BWDB.	
DESIGNED : (BIBI ROSEYA) A.E.	RECOMMENDED: (MD ROMJAN ALI PRAMANIK) S.E. 15.12.19
CHECKED : (UNNE FATIMA ROMANA AFROJ) E.E.	APPROVED : (MOTAHAR HOSSAIN) C.E. 15.12.19
DATE : 15.12.2019 DWG NO : BOG-DWD-8629 (6 OF 10)	



③ ——— POSITION OF PILE CAP TOP LEVEL(FROM FIELD DATA)



DATUM LEVEL	DESIGN BED WIDTH 60.00m	DESIGN BED WIDTH 100.00m	DESIGN BED WIDTH 150.00m
DESIGN BED LEVEL IN m (PWD)	170.50	170.50	170.50
EXISTING CIL BED LEVEL IN m (PWD)	170.50	170.50	170.50
RIGHT BANK LEVEL IN m (PWD)	170.50	170.50	170.50
LEFT BANK LEVEL IN m (PWD)	170.50	170.50	170.50
DISTANCE, IN KM	170.50	170.50	170.50

LONG SECTION OF FULJUR RIVER FROM KM. 170.50 TO KM. 190.00 (=19500 m); HURASAGOR RIVER FROM KM. 190.00 TO KM. 206.00 (=16000 m) & HURASAGOR RIVER FROM KM. 206.00 TO KM. 217.00 (=11000 m)

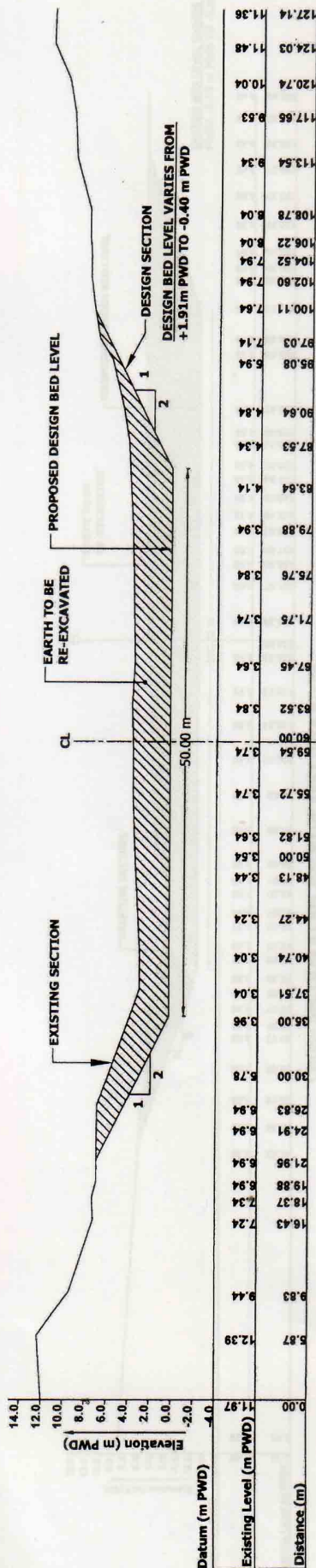
BANGLADESH WATER DEVELOPMENT BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6

DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF
BANGALI-KARATTOYA-FULJUR-HURASAGOR RIVER SYSTEM IN GABANDHA DISTRICT
(FROM KM. 0.00 TO KM. 24.00=24000 m); IN BOGURA DISTRICT (FROM KM. 24.00 TO
KM. 123.00 =99000 m); IN SIRAJGANJ DISTRICT (FROM KM. 123.00 TO KM.
217.00=94000m) UNDER GAIBANDHA, BOGURA & SIRAJGANJ ORH DIVISION, BWDB.

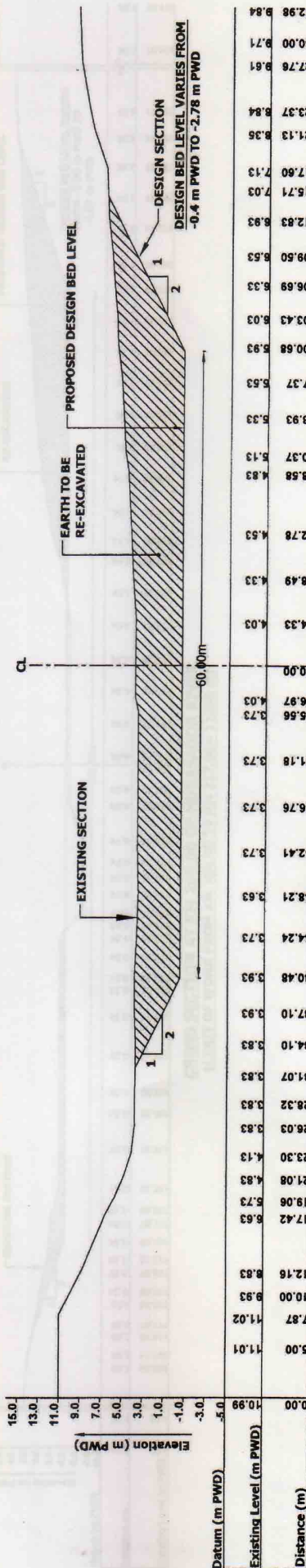
DESIGNED:	RECOMMENDED:
CHECKED:	APPROVED:
DATE:	DATE:

NO.	DATE	MADE	CHECKED	RECORD	APPROVED
1					





CROSS SECTION AT KM 145.500 OF KARATOYA RIVER
(LIMIT OF WORK FROM KM 123.00 TO KM 156.00 = 33000 m)



CROSS SECTION AT KM 156.500 OF FULJOR RIVER
(LIMIT OF WORK FROM KM 156.00 TO KM 190.00 = 34000 m)

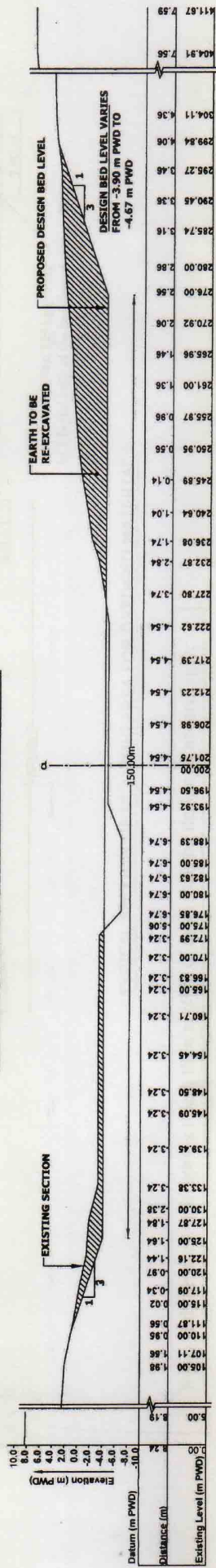
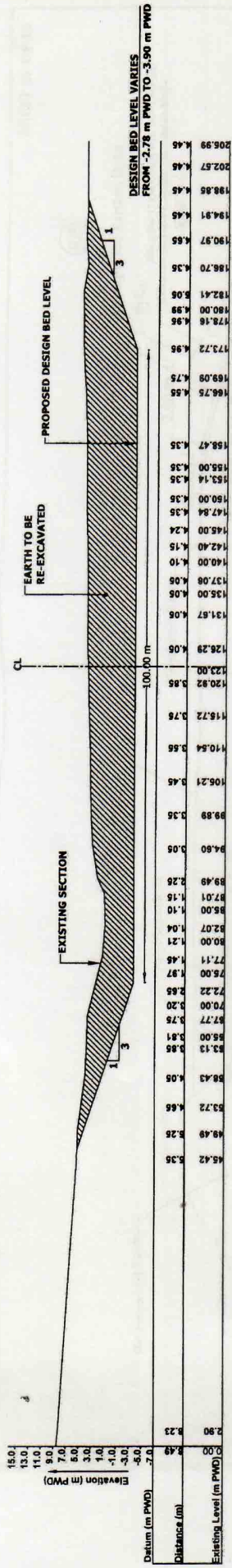
BANGLADESH WATER DEVELOPMENT BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6

DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF
BANGALI-KARATOYA-FULJOR-HURASHAGOR RIVER SYSTEM IN GAIBANDHA DISTRICT
(FROM KM. 0.00 TO KM. 24.00 = 24000 m); IN BOGURA DISTRICT (FROM KM. 24.00 TO
KM. 123.00 = 99000 m); IN SIRAJGANJ DISTRICT (FROM KM. 123.00 TO KM.
217.00 = 94000m) UNDER GAIBANDHA, BOGURA & SIRAJGANJ O&M DIVISION, BWDB.

DESIGNED: *[Signature]* 15.12.19
RECOMMENDED: *[Signature]* 15.12.19
CHECKED: *[Signature]* 15.12.19
(MD ROMJAN ALI PRAMANIK) S.E.
APPROVED: *[Signature]* 15.12.19
(MOTAHAR HOSSAIN) C.E.
DATE: 15.12.2019
DWG NO: BOG-DRDG-8629 (8 OF 10)

NO	DATE	MADE	CHECKED	RECORD	APPROVED
1					
2					





BANGLADESH WATER DEVELOPMENT BOARD

OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6

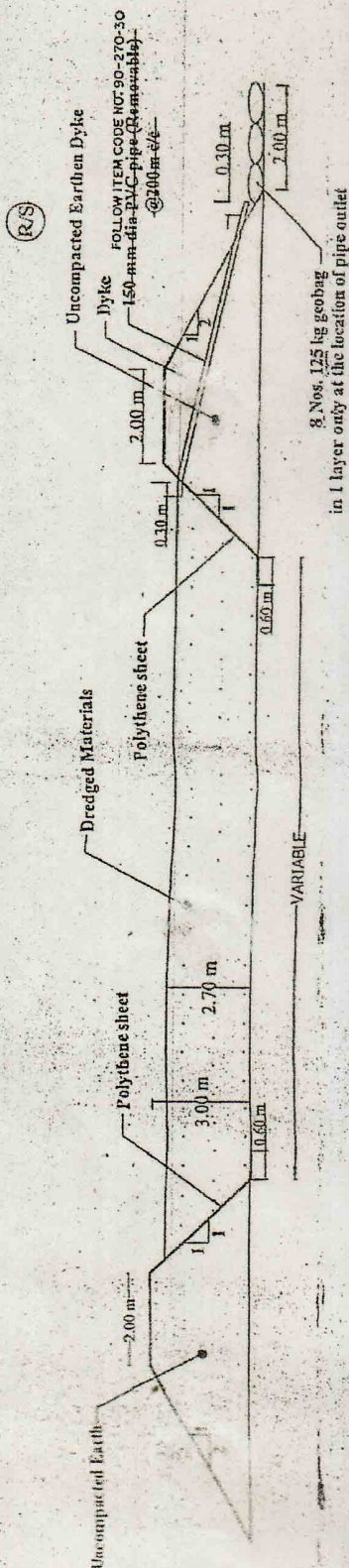
DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF
BANGALI-KARATOYA-FULJOR-HURASHAGOR RIVER SYSTEM IN GAIBANDHA DISTRICT
(FROM KM. 0.00 TO KM. 24.00 = 24000 m); IN BOGURA DISTRICT (FROM KM. 24.00 TO KM.
123.00 = 99000 m); IN SIRAJGANJ DISTRICT (FROM KM. 123.00 TO KM. 217.00 = 94000m)
UNDER GAIBANDHA, BOGURA & SIRAJGANJ O&M DIVISION, BWDB.

DESIGNED:	RECOMMENDED:
CHECKED:	APPROVED:
DATE:	DWG NO:

NO.	DATE	MAKE	CHECKED	RECORD	APPROVE
1					



SHEET 10 OF 10



TYPICAL SECTION OF DUMPING AREA FOR DREDGED MATERIAL

Note: If dyke of more height is need, then section of dyke shall be designed accordingly.



TYPICAL SECTION FOR EXCAVATION / DREDGING OF RIVER OR LARGE KHAL

BANGLADESH WATER DEVELOPMENT BOARD

OFFICE OF THE SUPERINTENDING ENGINEER

DESIGN CIRCLE-5

DESIGN FOR PROPOSED DREDGING/RE-EXCAVATION WORK OF
BANGALI-KARATOLA-FULJORA-HURASHAGOR RIVER SYSTEM IN GAIBANDHA
DISTRICT (FROM KM. 0.00 TO KM. 24.00) IN BOGURA DISTRICT (FROM
KM. 24.00 TO KM. 123.00) IN SIRAGANI DISTRICT (FROM KM. 123.00
TO KM. 237.00) UNDER GAIBANDHA, BOGURA & SIRAGANI S.M.
DIVISION, BWDB.

DESIGNED BY:

RECOMMENDED BY:

APPROVED BY:

APPROVED BY:

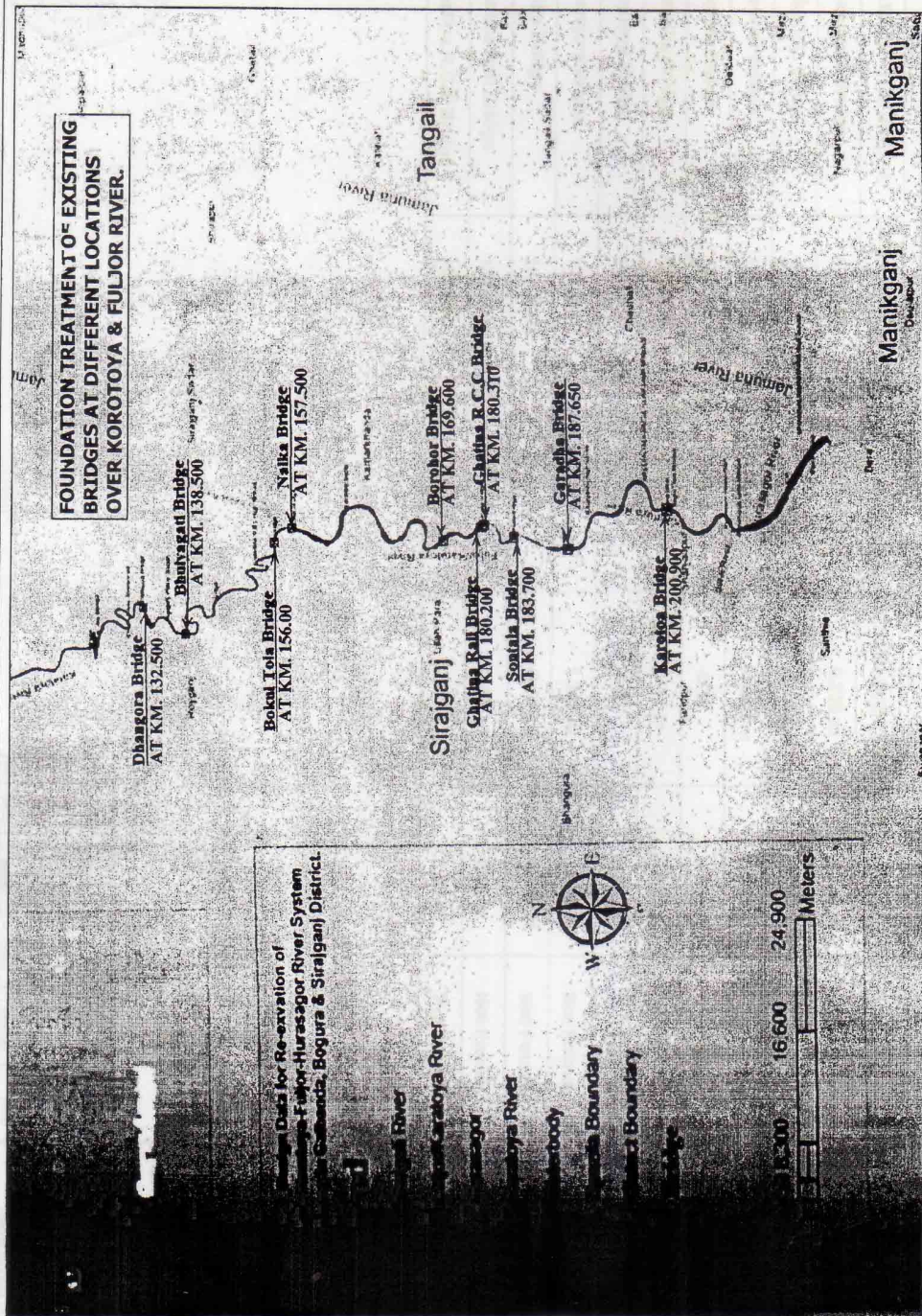
APPROVED BY:

APPROVED BY:

APPROVED BY:

APPROVED BY:





INDEX MAP
NOT TO SCALE

OFFICE OF THE SUPERINTENDING ENGINEER
BANGLADESH WATER DEVELOPMENT BOARD

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTOYA & FULJOR RIVER IN RATGANJ, ULLAPARA & SHAHJADPUR UPAPAZILA OF SIRAJGANJ DISTRICT IN C/W "DREDGING/RE-EXCAVATION OF BANGAL-KOROTOYA-FULJOR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRAJGANJ ORIN DIVISION, BWB.

DESIGNED BY : 	RECOMMENDED BY: 
CHECKED BY : 	APPROVED BY : 
DATE : 31.12.2019	DWYS NO : STRAJ-MHC-7140 (1 OF 8)

REVISION					
NO.	DATE	MADE	CHKD	RECOM	APPV
2					
1					

-168-



SPECIAL NOTES AT BRIDGE FOUNDATIONS:

1. THIS TREATMENT OF BRIDGE FOUNDATION HAS BEEN PROVIDED ASSUMING SUFFICIENT PILE LENGTHS EXIST UNDER PILE CAPS. BEFORE IMPLEMENTATION OF THE WORK, DETAIL INFORMATION OF BRIDGE FOUNDATIONS SHALL BE SUBMITTED TO THE DESIGN OFFICE FOR REVIEW.
2. CONCRETE BLOCKS SHALL DEVELOPE A CRUSHING STRENGTH (CYLINDER STRENGTH) OF 12.00 MPa. AFTER 28 DAYS AND SAMPLES SHALL BE COLLECTED AND TESTED DURING CONSTRUCTION.
3. CURING OF CONCRETE WORKS / C.C. BLOCKS SHALL BE CONTINUED FOR MINIMUM 21 DAYS.
4. THIS DRAWING IS PREPARED AS PER DESIGN DATA SUBMITTED BY S.E. BOGURA O&M CIRCLE, BWDB, BOGURA VIDE HIS MEMO NO: CIRCLE-2D-9/531, DATED: 18.11.2019.
5. THE WORK SHALL BE EXECUTED AFTER ADMINISTRATIVE AND FINANCIAL APPROVAL FROM THE COMPETENT AUTHORITY AND WITHIN BUDGET ALLOCATION.
6. FOR ANY CORRECTION / OMISSION IF DETECTED SHALL BE REFERRED TO THE DESIGN OFFICE FOR TAKING NECESSARY ACTION.
7. WHERE EXISTING BED LEVEL IS BELOW OR VERY NEAR TO DESIGN BED LEVEL, FOUNDATION TREATMENT WILL BE DONE BY CONCERNED DEPARTMENT.

NAME OF THE BRIDGE	CHAINAGE (Km.)	EXISTING BED LEVEL	DESIGN BED LEVEL	CUTTING HEIGHT	PILE CAP LEVEL	OPENING HEIGHT	Avg. L.W.L. (mPWD)	SPAN LENGTH
Bhuiyagati Bridge	138.500	6.36 m	0.825 m	5.535 m	7.45 m	6.625 m	6.80	20.00 m
Bokulola Bridge	156.00	4.18 m	-0.40 m	4.58 m	8.72 m	9.12 m	6.185	20.00 m
Borohor Bridge	169.600	5.28 m	-1.352 m	6.632 m	4.46 m	5.812 m	5.709	42.00 m
Sontala Bridge	183.700	3.56 m	-2.34	5.90 m	8.28 m	10.62 m	5.215	43.00 m
Garadha Bridge	187.650	4.28 m	-2.61 m	6.89 m	6.68 m	9.29 m	5.077	35.00 m
Karatoya Bridge	200.900	-3.85 m	-3.54	0.00 m	5.83 m	9.37 m	4.613	37.00 m
Dhangora Bridge	132.500	2.81 m	1.245 m	1.565 m	Not Found	Not Found	7.00	Not Found
Nalka Bridge	157.500	-0.19 m	-0.505 m	0.315 m	Not Found	Not Found	6.132	Not Found
Ghatina Rail Bridge	180.200	-2.56 m	-2.09	0.00 m	Not Found	Not Found	5.338	Not Found
Ghatina R.C.C Bridge	180.310	-2.83 m	-2.10	0.00 m	Not Found	Not Found	5.334	Not Found

BANGLADESH WATER DEVELOPMENT BOARD**OFFICE OF THE SUPERINTENDING ENGINEER****DESIGN CIRCLE - 6**

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTOYA & FULJOR RIVER IN RAIGANJ, ULAPARA & SHAMADPUR UPAZILA OF SIRADGANJ DISTRICT IN C/W DREDGING/RE-EXCAVATION OF BANGALI-KOROTOYA-FULJOR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRADGANJ O&M DIVISION, BWDB.

DESIGNED BY:

(SIBI ROKHYA) A.E.

RECOMMENDED BY:

(MD. ABUL KAUSSAR) S.E. (Addl. Charge)

CHECKED BY:

(JUMME FATIMA ROYANA AROO) E.E.

APPROVED BY:

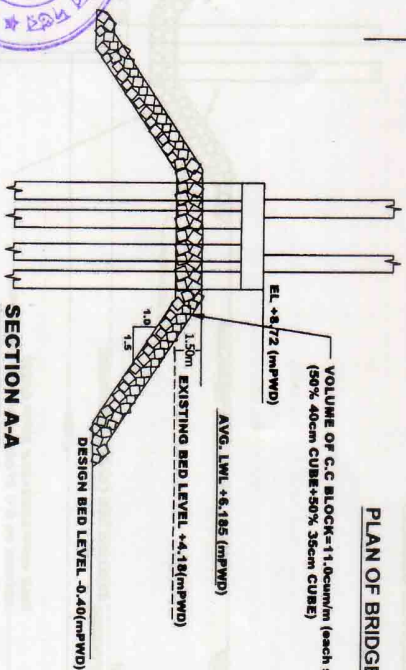
(MOTIAHER HOSSAIN) C.E.

DATE: 31.12.2019

DWG NO: SIRAD-MBDC-7140 (2 OF 8)

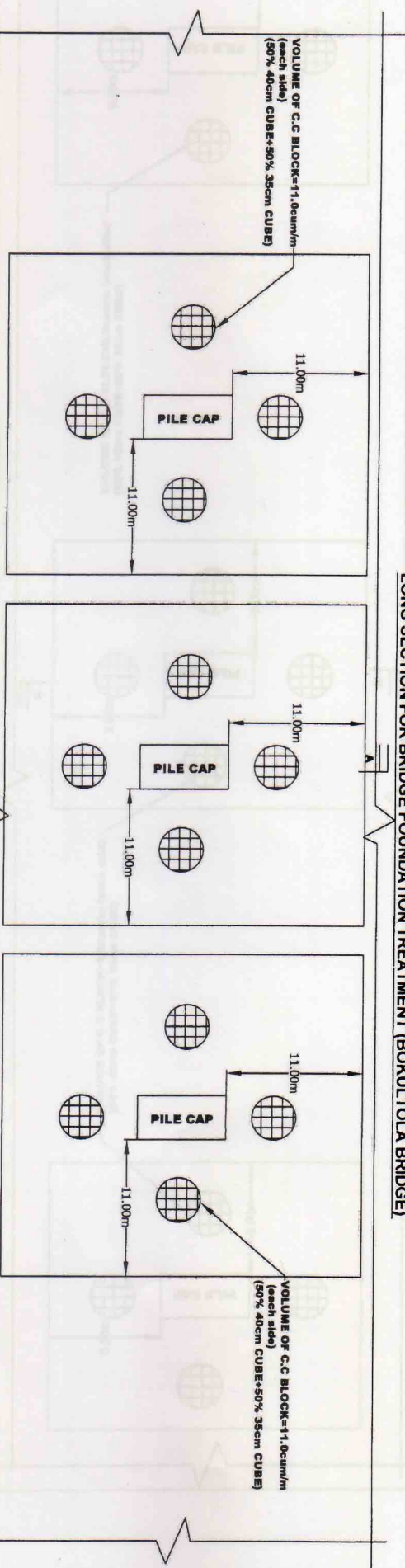


2									
1									
NO.	DATE	MADE	CHD	RECOM	APV	REVISION			

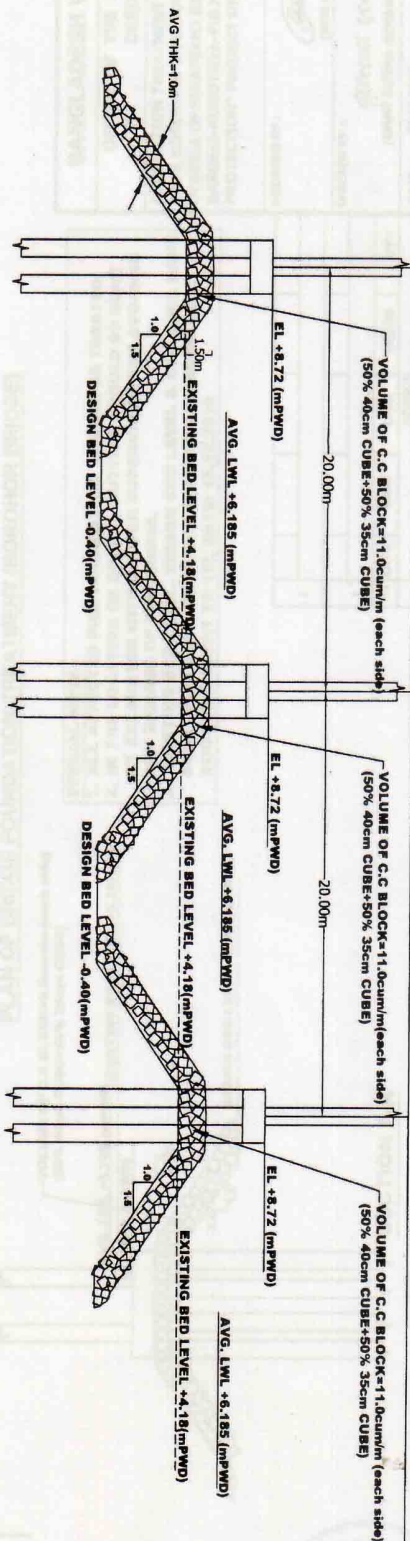


SECTION A-A

PLAN OF BRIDGE FOUNDATION TREATMENT (BOKULTOLA BRIDGE)



LONG SECTION FOR BRIDGE FOUNDATION TREATMENT (BOKULTOLA BRIDGE)



SPECIAL NOTE:

1. ALL AFFECTED PIER FOUNDATION SHOULD BE TREATED.
2. IN THE LOCATION OF BRIDGE, CUTTING SHOULD BE DONE BY EXCAVATOR WITH PROPER SUPERVISION FOR AVOIDING ANY DAMAGE OF THE BRIDGE.
3. EXISTING BED LEVEL, DESIGN BED LEVEL & AVG. L.W.L HAVE BEEN FOLLOWED FROM THE APPROVED DRAWING NO. BOG-DRDG-8629(1 TO 10), DATE: 15.12.2019

BANGLADESH WATER DEVELOPMENT BOARD

OFFICE OF THE SUPERINTENDING ENGINEER

DESIGN CIRCLE - 6

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTIYA & FULJUR RIVER IN RAISAM, ULAPARA & SHAHADPUR UPZILA OF SIRADGAN DISTRICT IN C/W "DREDGING/RE-EXCAVATION OF BANALAI-KOROTIYA-FULJUR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRADGAN O&M DIVISION, BWDB.

DESIGNED BY:

(BIBI ROKEVA) A.E.

RECOMMENDED BY:

(MD. ABUL TAUSAR) S.E. (Addl. Charge)

CHECKED BY:

(UMME FATIHA ROMANA AFRO) E.E.

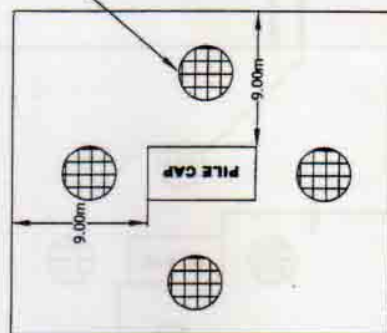
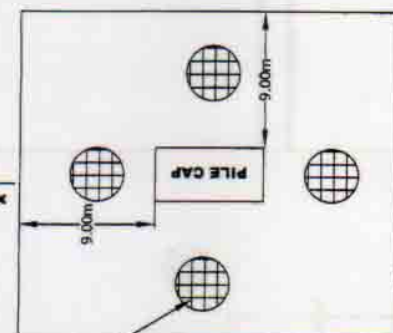
APPROVED BY:

(MOTAHAR HOSSAIN) C.E.

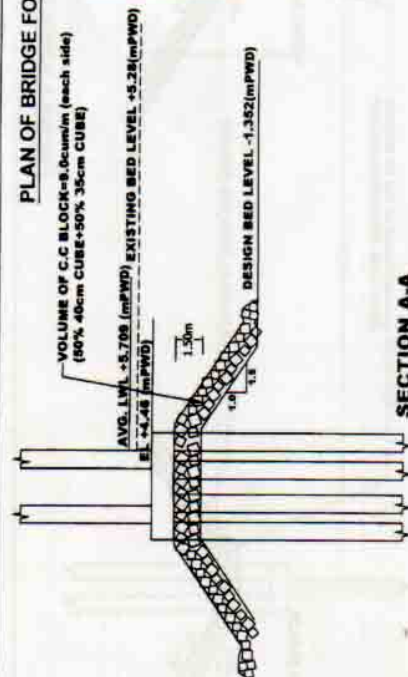
DATE: 31.12.2019

DWG NO. SIRADJ-MISC-7140 (4 OF 8)

NO.	DATE	MADE	CHD.	RECOM.	APV.
1					
2					



PLAN OF BRIDGE FOUNDATION TREATMENT (BOROHOR BRIDGE)



SECTION A-A

SPECIAL NOTE:

1. ALL AFFECTED PIER FOUNDATION SHOULD BE TREATED.
2. IN THE LOCATION OF BRIDGE, CUTTING SHOULD BE DONE BY EXCAVATOR WITH PROPER SUPERVISION FOR AVOIDING ANY DAMAGE OF THE BRIDGE.
3. EXISTING BED LEVEL, DESIGN BED LEVEL & AVG. L.W.L HAVE BEEN FOLLOWED FROM THE APPROVED DRAWING NO. BOG-BRDG-8629(1 TO 10). DATE: 15.12.2019

BANGLADESH WATER DEVELOPMENT BOARD

**OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6**

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTOYA & FULJOR RIVER IN RAIGANI, ULLAPARA & SHAHADPUR UPAZILLA OF SIRAGANI DISTRICT IN C/W "DREDGING/RE-EXCAVATION OF BANGALI-KOROTOYA-FULJOR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRAGANI OMV DIVISION, BWDB.

DESIGNED BY:

Bani
(BIBI ROKEYA) A

RECOMMENDED BY: 
(MD. ABUL KAUSAR) S.E. (Addl. Charge)

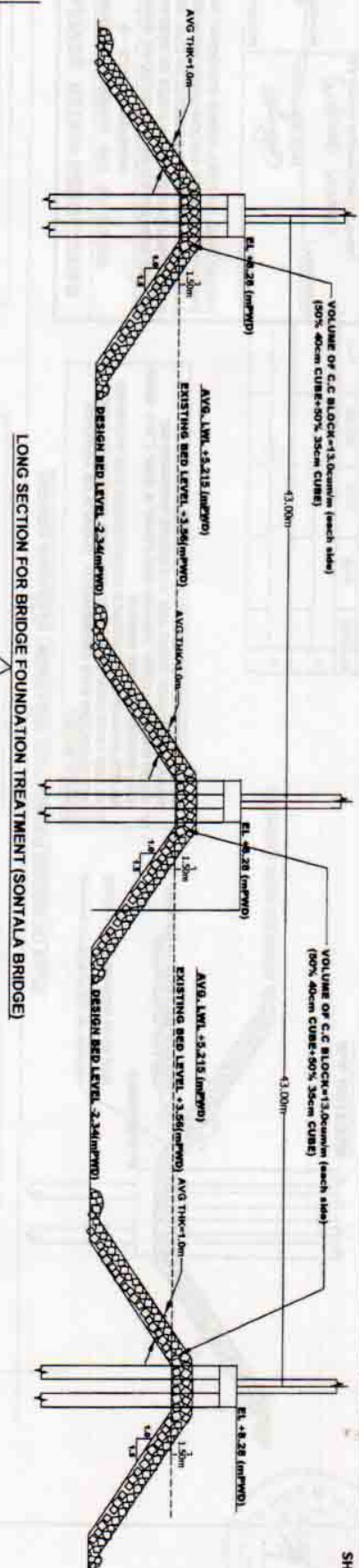
APPROVED BY:

BY : *Ummu Fatima*
(UMME FATIMA ROMANA AFROJ)

31.12.19

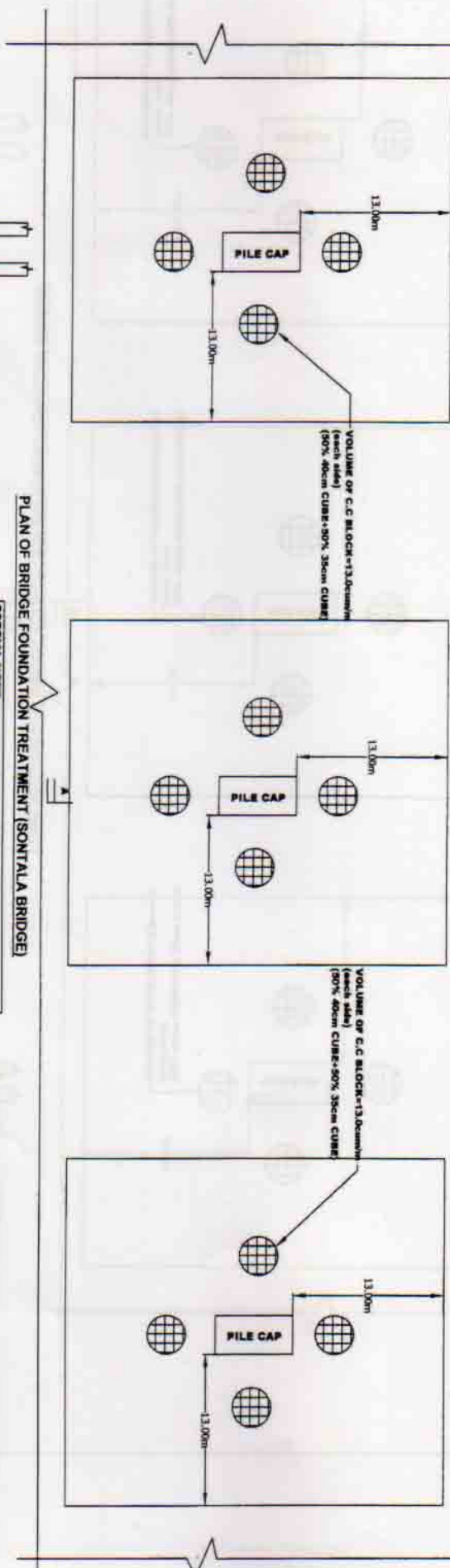
DATE : 31.12.2019

DWG NO : SIRAJ-MISC-7140 (5 OF 8)



LONG SECTION FOR BRIDGE FOUNDATION TREATMENT (SONTALA BRIDGE)

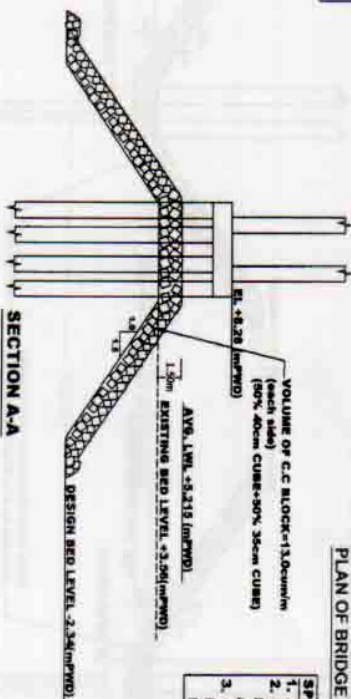
SHEET 6 OF 8



PLAN OF BRIDGE FOUNDATION TREATMENT (SONTALA BRIDGE)

SPECIAL NOTE:

1. ALL AFFECTED PIER FOUNDATION SHOULD BE TREATED.
2. IN THE LOCATION OF BRIDGE, CUTTING SHOULD BE DONE BY EXCAVATOR WITH PROPER SUPERVISION FOR AVOIDING ANY DAMAGE OF THE BRIDGE.
3. EXISTING BED LEVEL, DESIGN BED LEVEL & AVG. L.W.L. HAVE BEEN FOLLOWED FROM THE APPROVED DRAWING NO. BOD-DMD-482M1 TO 10, DATE: 15.12.2015



SECTION A-A

NO.	DATE	MADE	CHECKED	RECON.	APPROV.
1					
2					

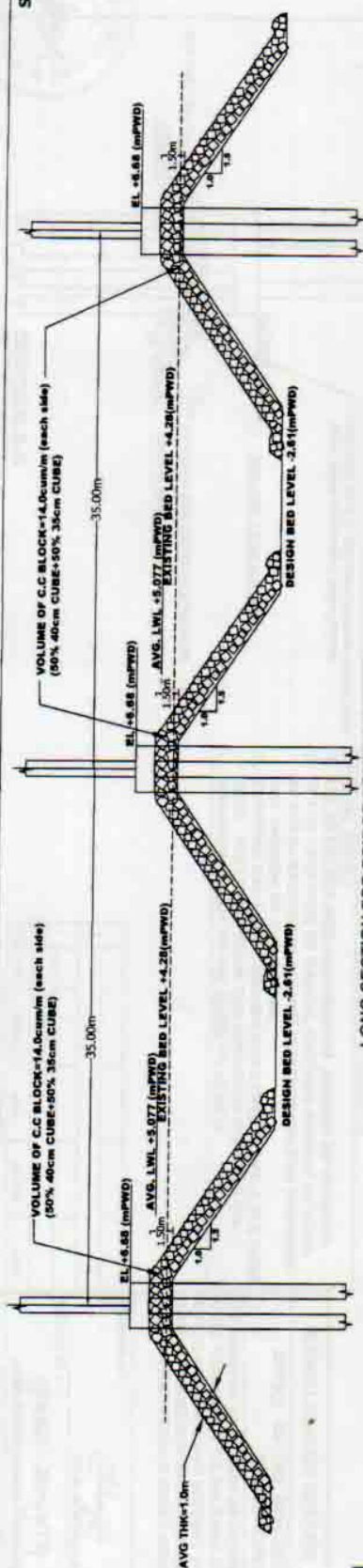
DESIGNED BY: (NAME) (SIGNATURE) (NAME) (SIGNATURE)		RECOMMENDED BY: (NAME) (SIGNATURE) (NAME) (SIGNATURE)	
CHECKED BY: (NAME) (SIGNATURE) (NAME) (SIGNATURE)		APPROVED BY: (NAME) (SIGNATURE) (NAME) (SIGNATURE)	
DATE: 31.12.2015		PROJECT NO: SRAJAL-HSBC-7140 (6 OF 8)	

BANGLADESH WATER DEVELOPMENT BOARD

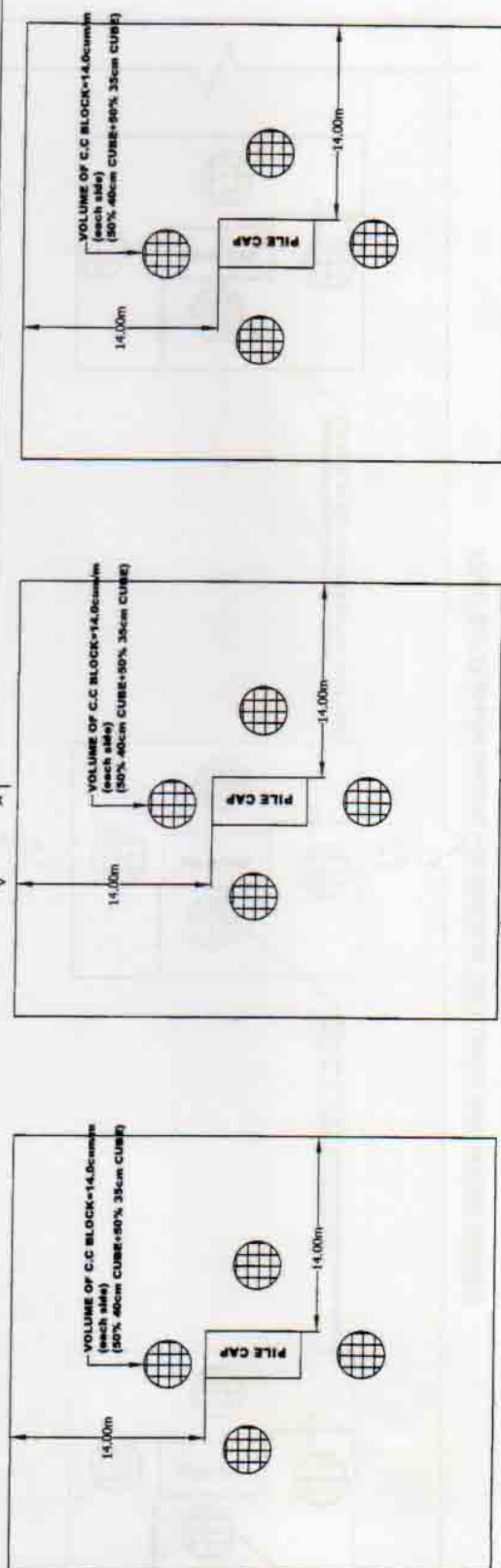
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - 6

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTOYA & FULOR RIVER IN RAIGANG, ULUPARA & SHADADPUR UPAZILA OF SIRADGANJ DISTRICT IN C/W DREDGING/RE-EXCAVATION OF BANGAL-KOROTOYA-FULOR-HIRASAGOR RIVER SYSTEM & BANK PROTECTION PROJECT UNDER SIRADGANJ O&M DIVISION, BWDB.

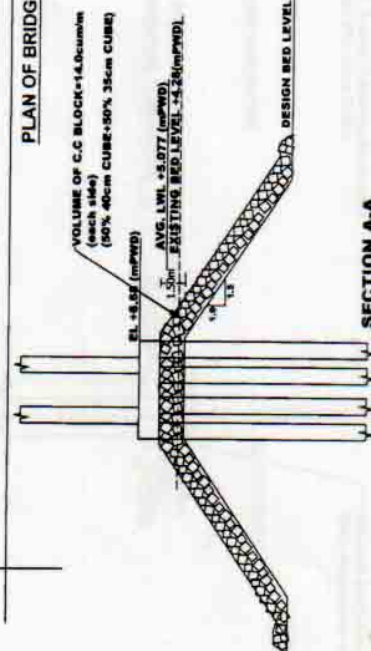
-173-



LONG SECTION FOR BRIDGE FOUNDATION TREATMENT (GARADHA BRIDGE)



PLAN OF BRIDGE FOUNDATION TREATMENT (GARADHA BRIDGE)



SECTION A-A

SPECIAL NOTE:

1. ALL AFFECTED PIER FOUNDATION SHOULD BE TREATED.
2. IN THE LOCATION OF BRIDGE, CUTTING SHOULD BE DONE BY EXCAVATOR WITH PROPER SUPERVISION FOR AVOIDING ANY DAMAGE OF THE BRIDGE.
3. EXISTING BED LEVEL, DESIGN BED LEVEL & AVG. L.W.L HAVE BEEN FOLLOWED FROM THE APPROVED DRAWING NO. BOG-ORD-9829(1 TO 10), DATE: 15.12.2019

BANGLADESH WATER DEVELOPMENT BOARD

OFFICE OF THE SUPERINTENDING ENGINEER

DESIGN CIRCLE - 6

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTOYA & FULJOR RIVER IN RAIGANJ, ULLAPARA & SHAHJAPUR RUPAZILA OF SIRAGUANJI DISTRICT IN C/W "DREDGING/RE-EXCAVATION OF MANGALI-KOROTOYA-FULJOR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRAGUANJI O&M DIVISION, BWB.

DESIGNED BY:

Bibi Rokeya
(BIBI ROKEYA) A.E.

APPROVED BY:

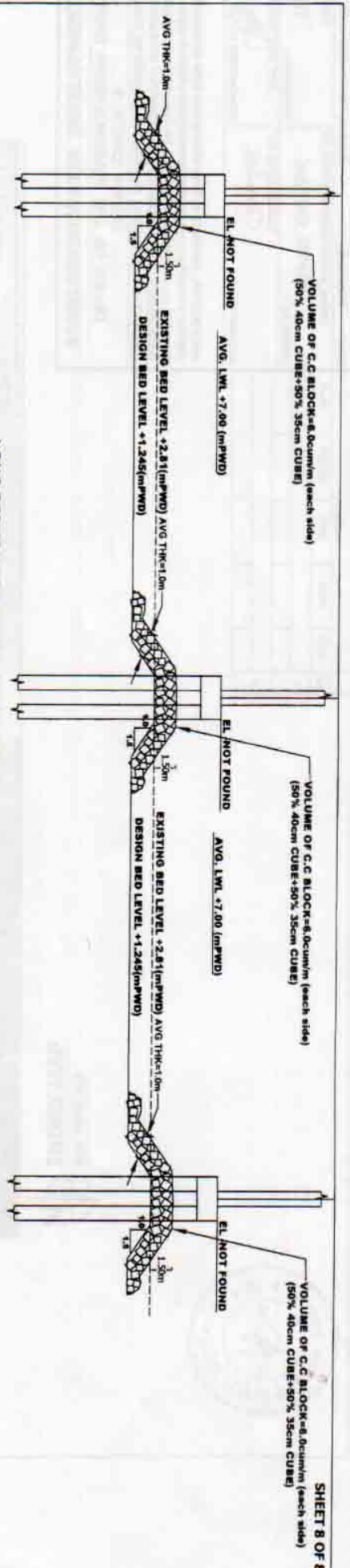
31-12-19
(MOTAHAR HOSSAIN) C.

DATE: 31.12.2019

DWG NO : SIRAJ-MISC-7140 (7 OF 8) (MUTATE)

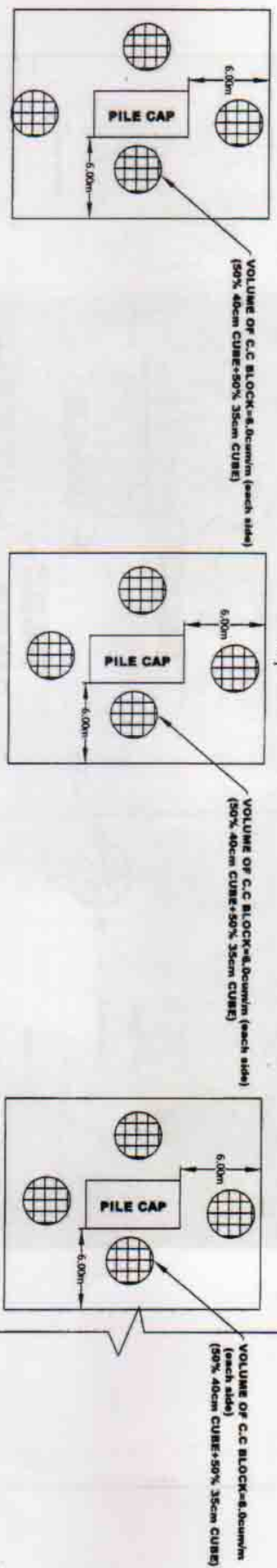


LONG SECTION FOR BRIDGE FOUNDATION TREATMENT (DHANGORA BRIDGE)



SHEET 8 OF 8

PLAN OF BRIDGE FOUNDATION TREATMENT (DHANGORA BRIDGE)



SPECIAL NOTE:

1. ALL AFFECTED PIER FOUNDATION SHOULD BE TREATED.
2. IN THE LOCATION OF BRIDGE, CUTTING SHOULD BE DONE BY EXCAVATOR WITH PROPER SUPERVISION FOR AVOIDING ANY DAMAGE OF THE BRIDGE.
3. EXISTING BED LEVEL, DESIGN BED LEVEL & AVG. L.W.L HAVE BEEN FOLLOWED FROM THE APPROVED DRAWING NO. BOG-DROG-8528(1 TO 10), DATE: 15.12.2019

BANGLADESH WATER DEVELOPMENT BOARD

OFFICE OF THE SUPERINTENDING ENGINEER

DESIGN CIRCLE - 6

FOUNDATION TREATMENT OF EXISTING BRIDGES AT DIFFERENT LOCATIONS OVER KOROTIYA & FULJUR RIVER IN BAIGAN, ULAPARA & SHAHAPUR UPAZILA OF SIRAJGANGA DISTRICT IN C/W DREDGING/RE-EXCAVATION OF BANGALI-KOROTIYA-FULJUR-HURASAGOR RIVER SYSTEM & BANK PROTECTION" PROJECT UNDER SIRAJGANGA O&M DIVISION, BWDB.

DESIGNED BY:

(BIBI ROKIYA) A.E.

RECOMMENDED BY:

(MD. ABDUL KAUSSAR) S.E. (Addl. Charge)

CHECKED BY:

(UMME FATIMA ROMANA AHROD) E.E.

APPROVED BY:

(MD. ABUL KAUSSAR) S.E. (Addl. Charge)

NO.	DATE	MADE	CHECKED	RECOMMENDED	APPROVED
1					
2					

DATE: 31.12.2019 BMD NO. SIRAJGANGA-7140 (8 OF 8)

BANGLADESH WATER DEVELOPMENT BOARD



TYPICAL DESIGN OF SITE OFFICE - TYPE B

MAY, 2019

TSD-TB-60/6
01.10.12
25-19

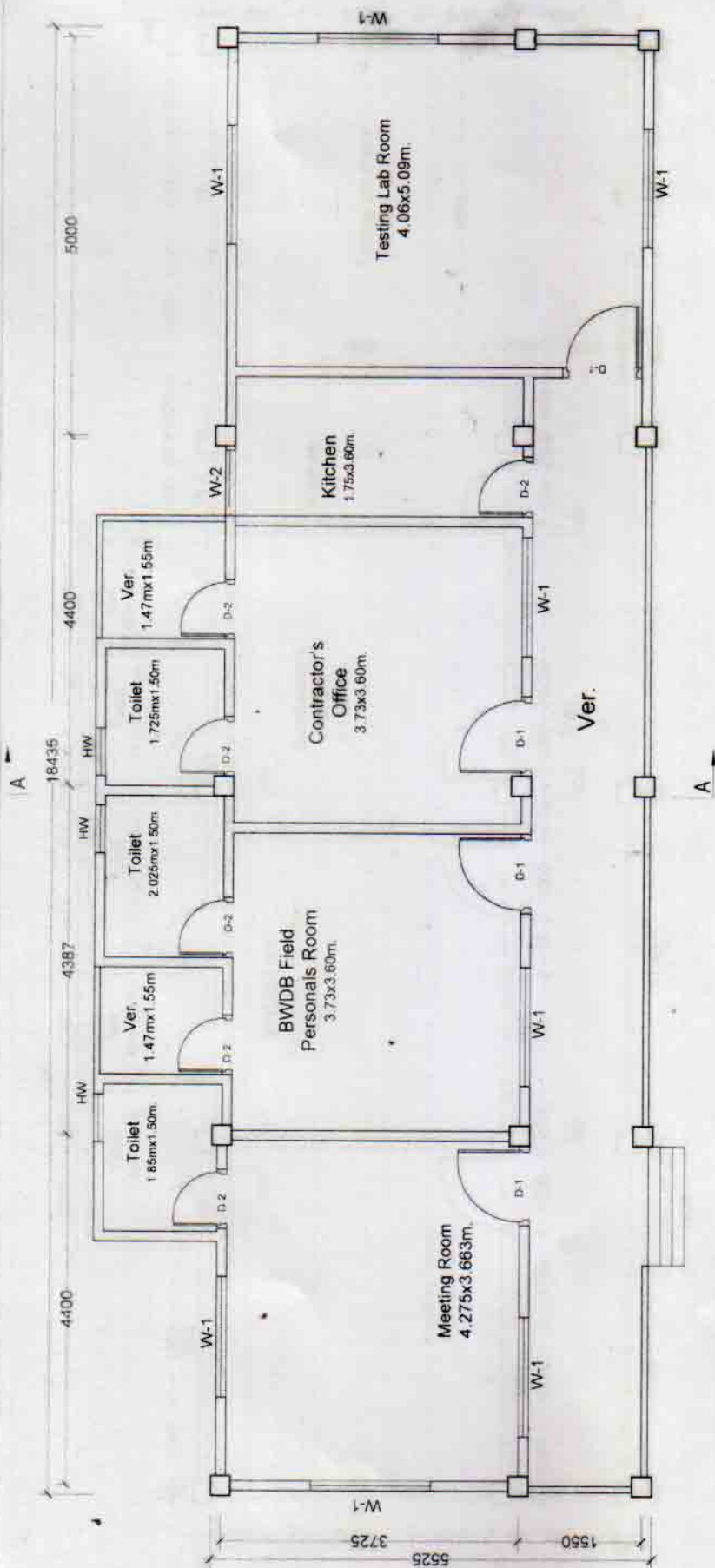
DESIGN CIRCLE -II, BWDB, DHAKA



1. THE SPECIFICATION OF MATERIALS AND WORKMANSHIP IN GENERAL SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF BWDB.

2. ALL DIMENSIONS ARE IN MILLIMETER AND ALL ELEVATIONS ARE IN METER (m) PWD.
3. 20 mm DOWNGRADED BEST QUALITY COARSE AGGREGATE (PICKED JHAMA OR 1ST CLASS BRICK CHIPS) AND WELL GRADED BEST QUALITY COARSE SAND OF MINIMUM F.M=1.80 TO 2.50 SHALL BE USED AS FINE AGGREGATE.
4. CYLINDER STRENGTH OF CONCRETE SHALL NOT BE LESS THAN 22N/mm².
5. ORDINARY PORTLAND CEMENT /TYPE-1 CONFORMING TO BDS 232 : 1974/ASTM C150.
6. YIELD STRENGTH OF DEFORMED BAR SHALL BE MINIMUM 400 N/ mm².
7. LAPPING SHALL BE 40D.
8. CURING OF R.C.C WORK : i) CURING TIME MINIMUM 21 DAYS ii) HORIZONTAL SURFACE - BY PONDING OF WATER iii) OTHER SURFACES-BY WRAPPING MOIST JUTE FABRIC AND SPRINKLING WATER BY HOSE PIPE FREQUENTLY.
9. CLEAR COVER OF COLUMN SHALL BE 38.00 mm ABOVE E.G.L AND 63 mm BELOW E.G.L, FOR FOOTING IT SHALL BE 60mm AND FOR LINTEL 20mm.
10. POTABLE WATER SHALL BE USED IN CONCRETE MIX.
11. ALL BRICK WORK SHALL BE DONE WITH 1ST CLASS BRICK {1:4}.
12. PLASTERING WORK SHALL BE DONE AT A CEMENT SAND RATIO OF 1:4.
13. LINTEL ALL OVER THE WALL SHALL BE CONTINUOUS.
14. NAILS OF REQUIRED SIZE & DIA SHALL BE USED FOR FIXING RAFTER TO WALL/COLUMN PLATES AND PURLINS TO RAFTER.
15. DPC SHALL BE PROVIDED ALL ALONG THE WALLS AT PLINTH LEVEL AND ITS MATERIALS AND SPECIFICATIONS SHALL BE FOLLOWED FROM LATEST SCHEDULE OF RATES.
16. C.I SHEET TO BE USED FOR ROOFING SHALL BE 26 BWG AND TO BE CLAMPED WITH "J" HOOKS.
17. 6mm DIA SCREWS WITH RUBBER WASHER SHALL BE USED FOR FIXING C.I SHEET TO PURLINS.
18. SPACE BETWEEN AND AROUND PLATES, RAFTERS AND PURLINS ALONG ALL SIDE SHALL BE FILLED WITH C.C (1:3:6) TO PREVENT RAINWATER FROM COMING OUTSIDE.
19. READY MADE DOOR SHALL BE USED.
20. NECESSARY ELECTRICAL WORKS SHALL BE DONE BY APPROVED DRAWING PREPARED BY DESIGN CIRCLE-III.
21. FOR ANY ERROR, OMISSION OR COMMISSION PLEASE REFER TO THIS OFFICE.
22. DURING EXCAVATION OF FOUNDATION IF ANY ADVERSE SOIL i.e SOFT ORGANIC CLAY OR PEAT SOIL IS FOUND, THE DESIGN OFFICE SHOULD BE REFERRED.
23. THIS IS A TYPICAL DRAWING FOR SITE OFFICES.
24. THIS SITE OFFICE MAY BE USED FOR PACKAGE VALUE 100 TO 500 CORE
25. CONSTRUCTION OF SITE OFFICE SHALL BE COMPLETED BEFORE STARTING OF PHYSICAL WORK OF THAT PACKAGE.

BANGLADESH WATER DEVELOPMENT BOARD OFFICE OF THE SUPERINTENDING ENGINEER DESIGN CIRCLE - II TYPICAL DESIGN OF SITE OFFICE TYPE B		GENERAL NOTES	
DESIGNED BY: <i>P. B. Das</i> (PO & DAS) SUB-DIVISIONAL ENGINEER CHECKED BY: <i>one/12/15</i> (ANASUJA, JASHAN) EXECUTIVE ENGINEER	RECOMMENDED BY: <i>M. Hossain</i> (MD. FARUQUE RAHMAN) SUPERINTENDING ENGINEER APPROVED BY: <i>M. Hossain</i> (MD. HAFIZ HOSSAIN) CHIEF ENGINEER	DWG. NO. <i>W-50-2-2002</i> SHEET NO. <i>1/12</i> DATE: <i>05-12</i>	



**PLAN OF SITE OFFICE
(TYPE-B: 117 sqm)**

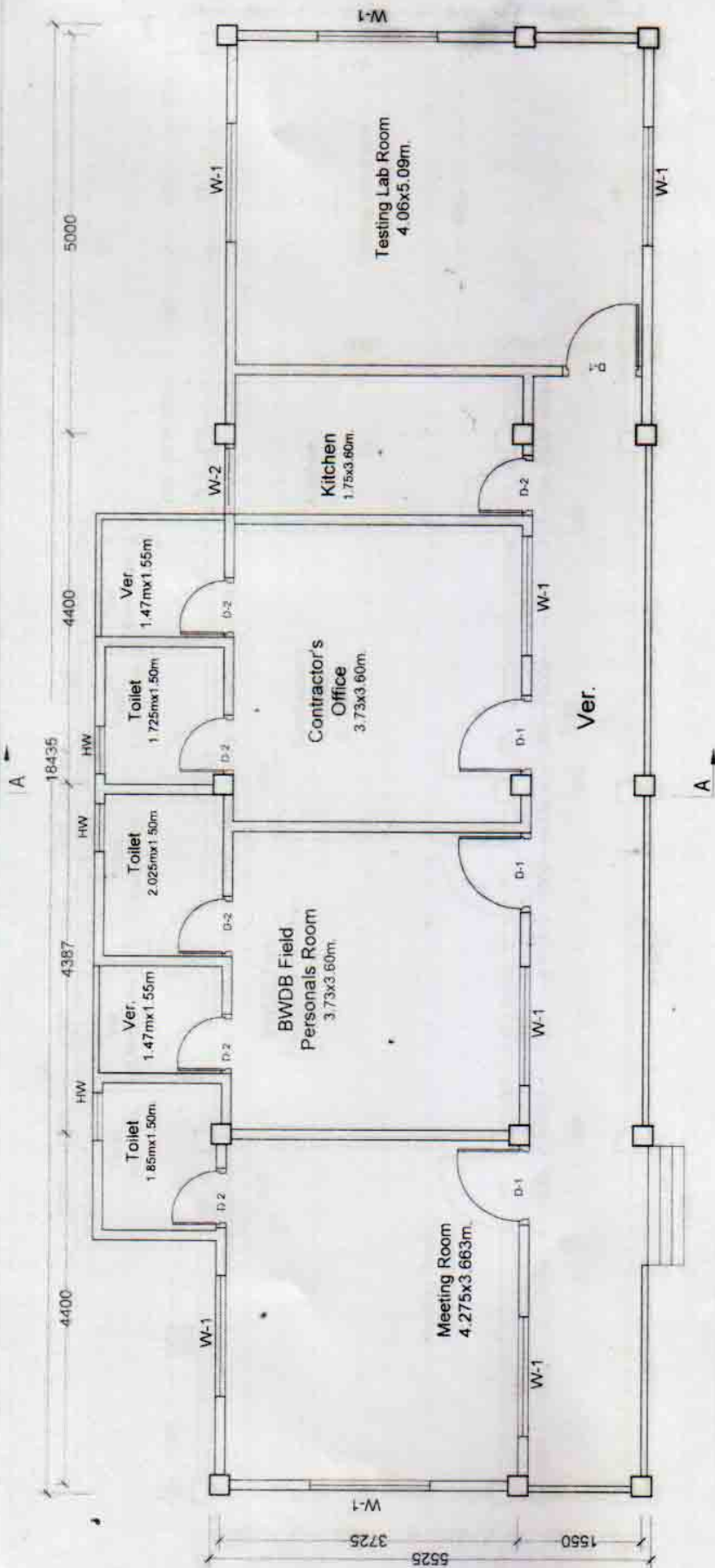
Land Area Schedule		
SL. No.	Description	Area
01	Site Office	116.59 Sqm
Total =		116.59 Sqm

Door and Window Schedule			
SL. No.	Description	Width	Height
01	D - 1	1000	2100
02	D - 2	750	2100
03	W - 1	1500	1350
04	W - 2	750	1350
05	HW	600	600

BANGLADESH WATER DEVELOPMENT BOARD	
OFFICE OF THE SUPERINTENDING ENGINEER	
DESIGN CIRCLE - II	
TYPICAL DESIGN OF SITE OFFICE - TYPE B	
DESIGNED BY: <i>P. B. B.</i>	RECOMMENDED BY: <i>P. B. B.</i>
(P. B. B.) SUB-DIVISIONAL ENGINEER	AND HARIHAR K. K. K. SUPERINTENDING ENGINEER
CHECKED BY: <i>P. B. B.</i>	APPROVED BY: <i>P. B. B.</i>
(P. B. B.) EXECUTIVE ENGINEER	(P. B. B.) CHIEF ENGINEER
DATE: 2-5-79	DWG. NO.: 750-78-606
SHEET NO: 2/2	

DATE	PREPARED	CHECKED	REVIEWED	APPROVED





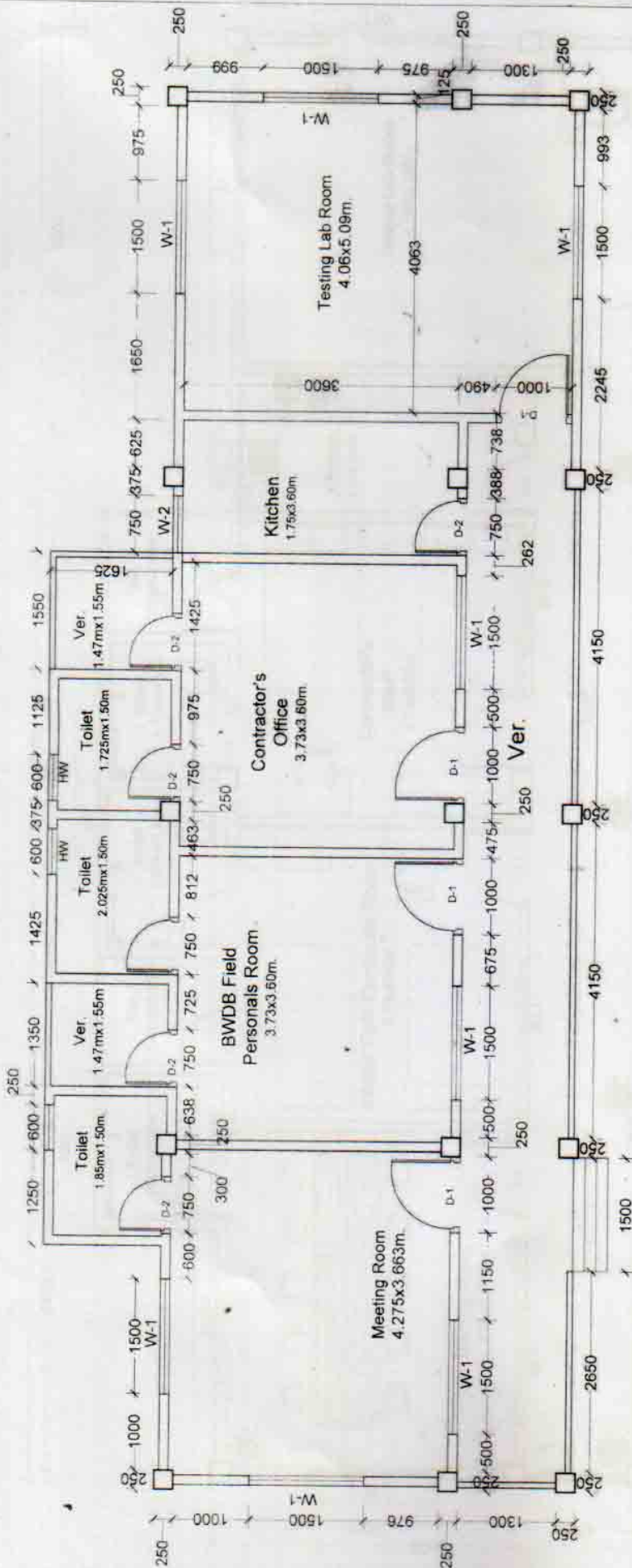
Land Area Schedule		
SL. No.	Description	Area
01	Site Office	116.59 Sqm
Total =		116.59 Sqm

Door and Window Schedule			
SL. No.	Description	Width	Height
01	D-1	1000	2100
02	D-2	750	2100
03	W-1	1500	1350
04	W-2	750	1350
05	HW	600	600

PLAN OF SITE OFFICE (TYPE-B: 117 sqm)

BANGLADESH WATER DEVELOPMENT BOARD			
OFFICE OF THE SUPERINTENDING ENGINEER			
DESIGN CIRCLE - II			
TYPICAL DESIGN OF SITE OFFICE - TYPE B			
DESIGNED BY: <i>P. B. B.</i>		RECOMMENDED BY: <i>P. B. B.</i>	
DRAWN BY: <i>P. B. B.</i>		AND (AS PER REQUIRED) SUPERINTENDING ENGINEER	
CHECKED BY: <i>P. B. B.</i>		APPROVED BY: <i>P. B. B.</i>	
DATE: 2-5-19		DWG. NO. 750-78-606	
PROJECT NO. 750-78-606		SHEET NO. 2/12	





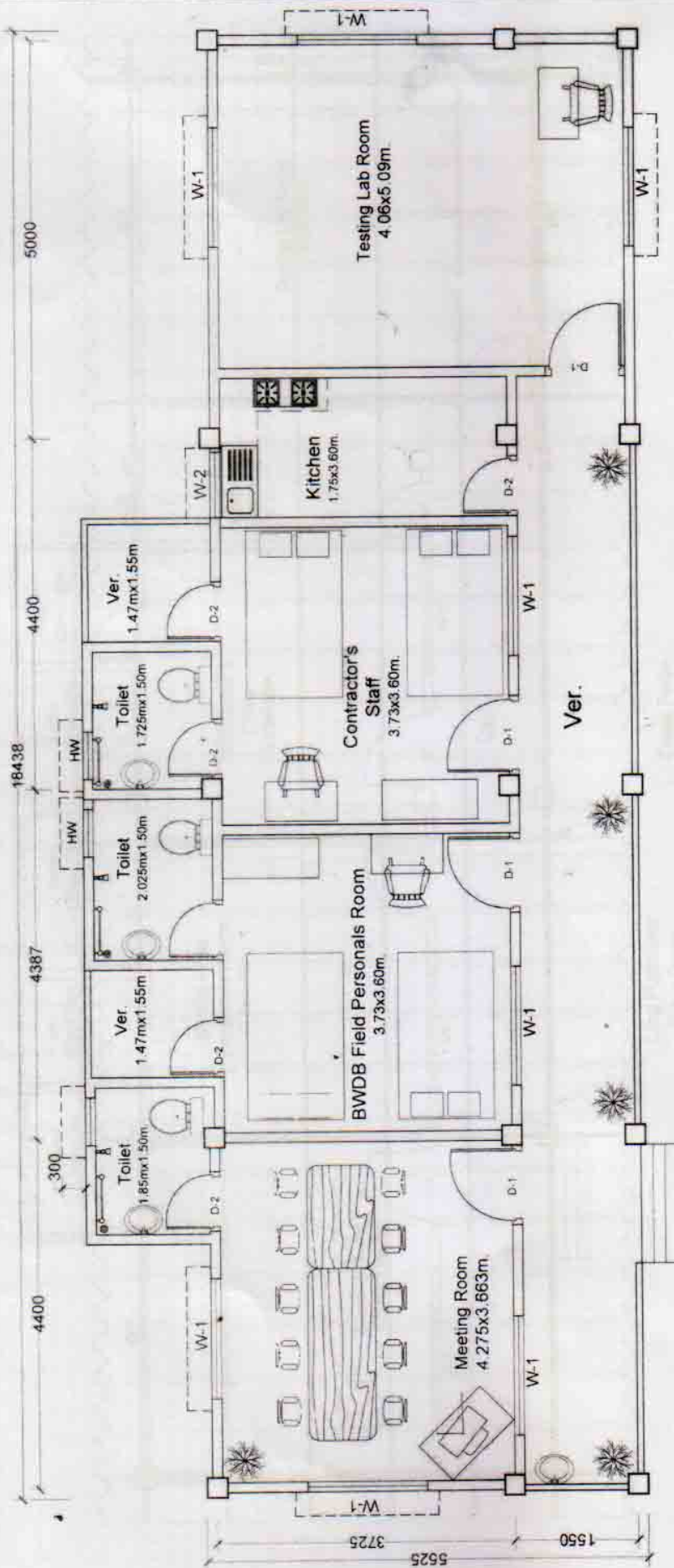
DETAILS OF ARCHITECTURAL PLAN OF SITE OFFICE (TYPE-B: 117 sqm)

Land Area Schedule		
SL. No.	Description	Area
01	Site Office	116.59 Sqm
Total =		116.59 Sqm

Door and Window Schedule			
SL. No.	Description	Width	Height
01	D-1	1000	2100
02	D-2	750	2100
03	W-1	1500	1350
04	W-2	750	1350
05	HW	600	600

BANGLADESH WATER DEVELOPMENT BOARD			
OFFICE OF THE SUPERINTENDING ENGINEER			
DESIGN CIRCLE - II			
TYPICAL DESIGN OF SITE OFFICE - TYPE B			
DETAILS OF ARCHITECTURAL PLAN OF SITE OFFICE			
DESIGNED BY:	RECOMMENDED BY:	APPROVED BY:	
(SPL. DES.)	(SPL. DES.)	(SPL. DES.)	
CHECKED BY:	AND TARIK UR RAHMAN	SUPERINTENDING ENGINEER	
(NASIMA JAHAN)	(MOTAHAR HOSAIN)	CHIEF ENGINEER	
DATE: 2-3-18	DWG NO: 130-78-606	SHEET NO: 3/12	



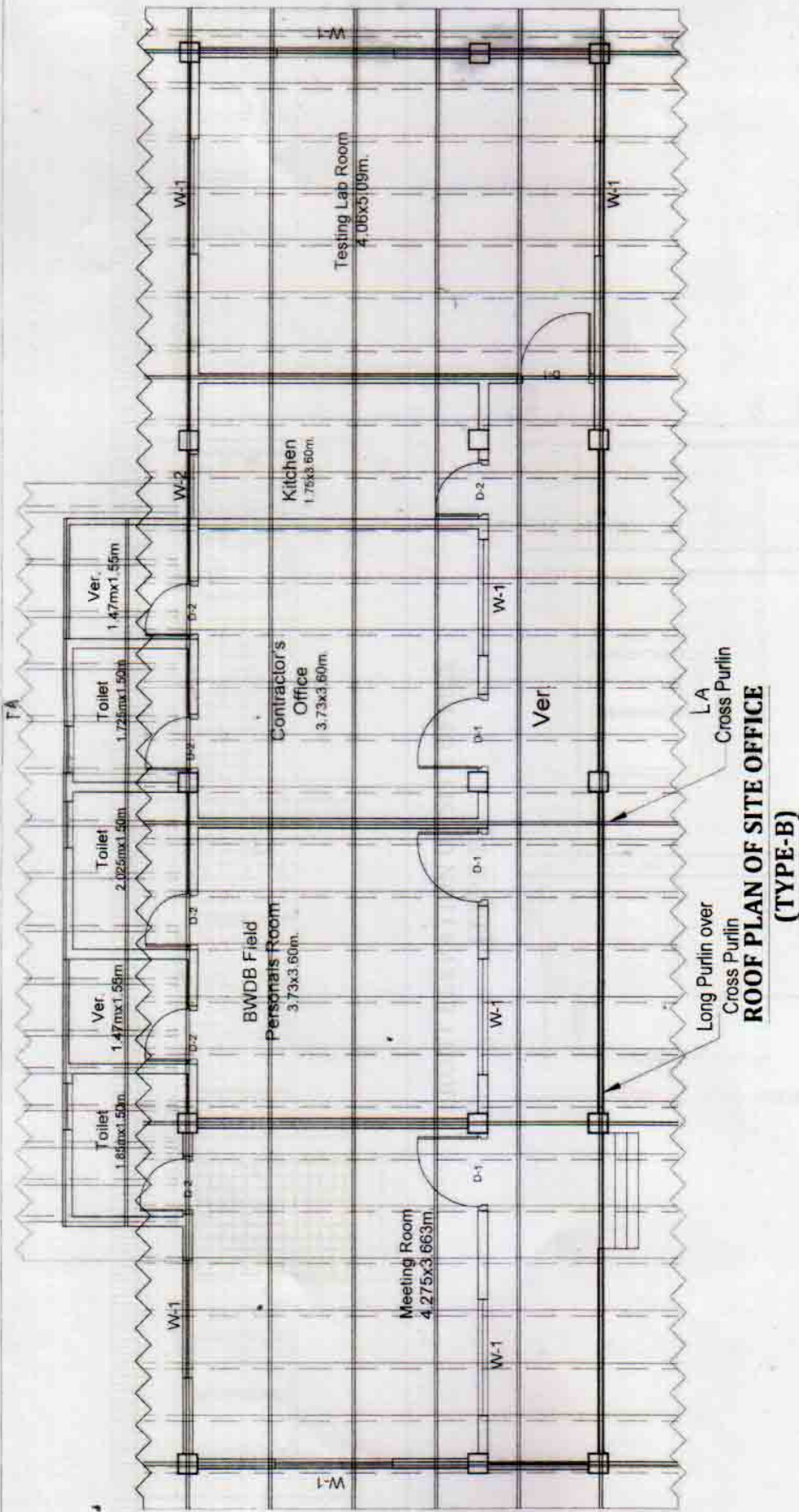


**FURNITURE & SUNSHADE LAYOUT PLAN OF SITE OFFICE
(TYPE-B)**

BANGLADESH WATER DEVELOPMENT BOARD	
OFFICE OF THE SUPERINTENDING ENGINEER	
DESIGN CIRCLE - II	
TYPICAL DESIGN OF SITE OFFICE - TYPE B	
DESIGNED BY: (PUB) DAS SR DIVISIONAL ENGINEER	RECOMMENDED BY: P. Das (IND) JAHAN UR RAHMAN SUPERINTENDING ENGINEER
CHECKED BY: NASTIMA JAHAN EXECUTIVE ENGINEER	APPROVED BY: Jahid (IND) JAHAN UR RAHMAN SUPERINTENDING ENGINEER
DATE: 2-5-18	HWG NO.: 730-78-606
SHEET NO: 1/12	

DATE	PREPARED	CHKD	REW	APPROVED





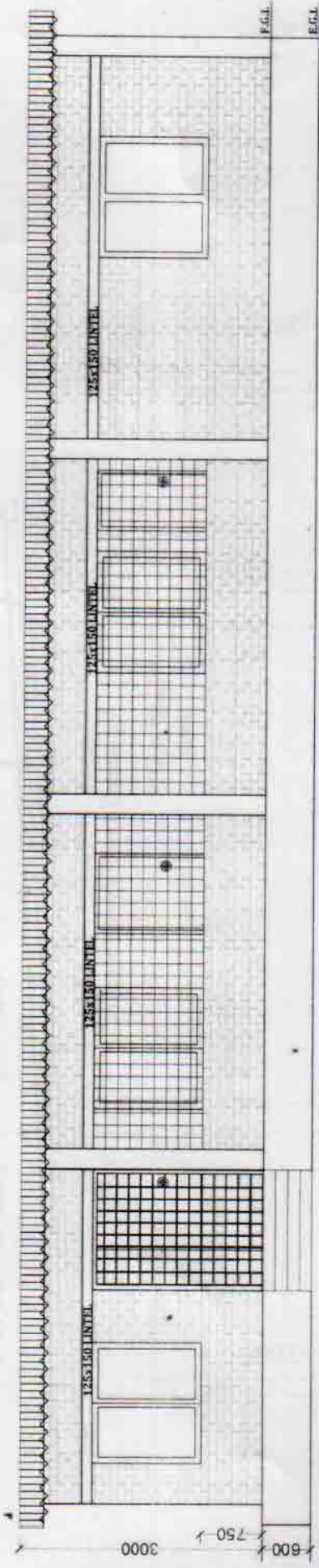
BANGLADESH WATER DEVELOPMENT BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - II
TYPICAL DESIGN OF SITE OFFICE - TYPE B

ROOF PLAN OF SITE OFFICE
DESIGNED BY: *[Signature]*
RECOMMENDED BY: *[Signature]*
(POLY BAS)
SUPERINTENDING ENGINEER
CHECKED BY: *[Signature]*
(MOTAHAR HOSSAIN)
EXECUTIVE ENGINEER
DATE: 25-5-19
DWG NO. 720-15-606
SHEET NO. 5/12

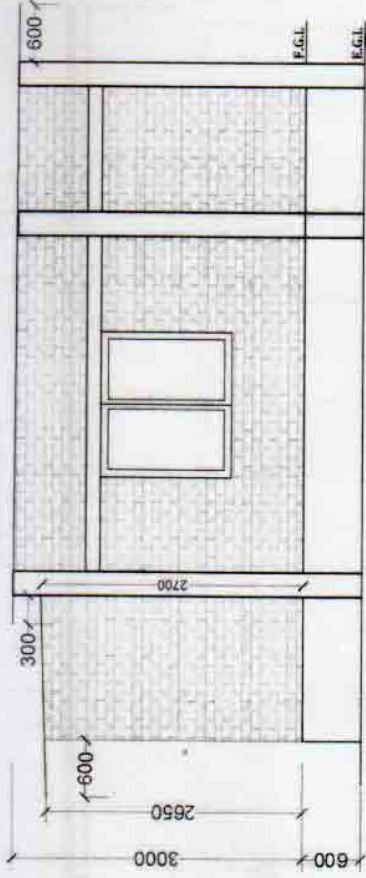
DATE	PREPARED	CHKD	REAM	APPROVED

R E V I S I O N S





**FRONT ELEVATION OF SITE OFFICE
(TYPE-B)**

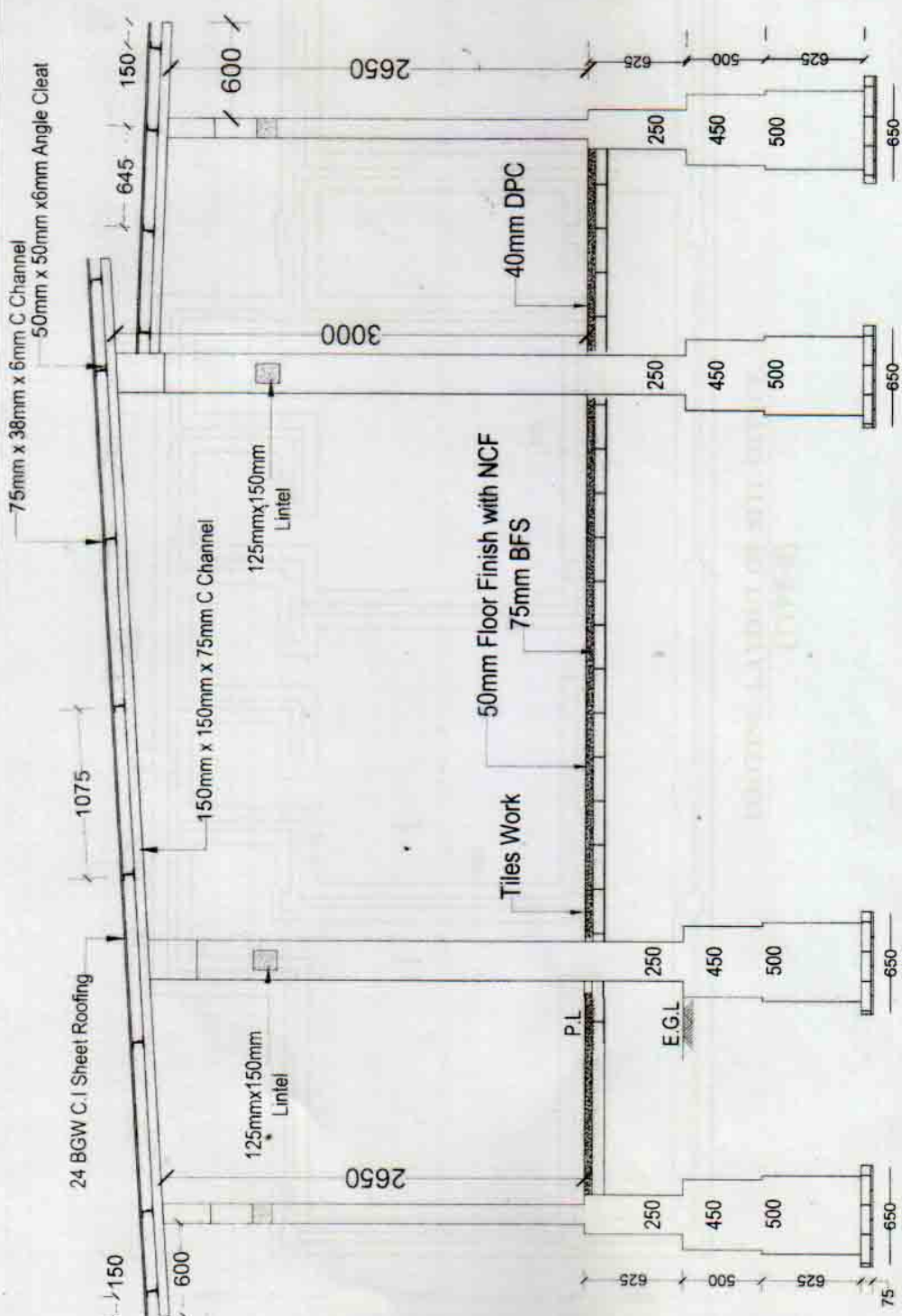


**SIDE ELEVATION OF SITE OFFICE
(TYPE-B)**

BANGLADESH WATER DEVELOPMENT BOARD	
OFFICE OF THE SUPERINTENDING ENGINEER	
DESIGN CIRCLE - II	
TYPICAL DESIGN OF SITE OFFICE - TYPE B	
ELEVATION OF SITE OFFICE	
DESIGNED BY: SUDIP DAS EXECUTIVE ENGINEER	RECOMMENDED BY: SUDIP DAS SUPERINTENDING ENGINEER
CHECKED BY: NASIMA JAHAN EXECUTIVE ENGINEER	APPROVED BY: MOJIBUL HASAN CHIEF ENGINEER
DATE: 15-10-19	DWG NO: 150-78-602
SHEET NO: 2/2	

DATE	PREPARED	CHKD	REVIEWED	APPROVED

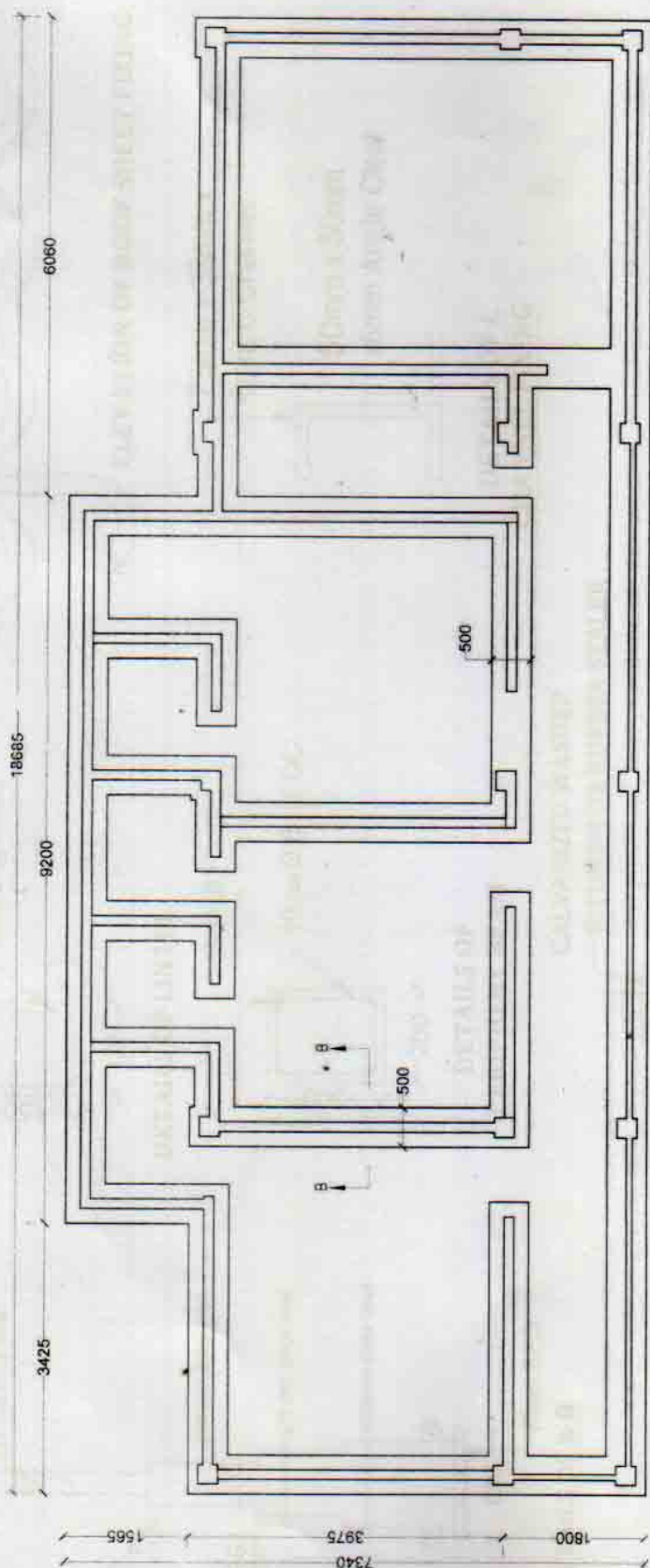




DETAILS OF SECTION A-A

BANGLADESH WATER DEVELOPING BOARD OFFICE OF THE SUPERINTENDING ENGINEER DESIGN CIRCLE - II TYPICAL DESIGN OF SITE OFFICE - TYPE B	
DESIGNED BY: POJAN DAS SUPERINTENDING ENGINEER	RECOMMENDED BY: [Signature] SUPERINTENDING ENGINEER
CHECKED BY: [Signature] EXECUTIVE ENGINEER	APPROVED BY: [Signature] CHIEF ENGINEER
DATE: 2-8-19	DATE: 02-08-19
DWG NO.: 750-78-206	SHEET NO. 7/2

DATE	PREPARED	CHECKED	REVIEWED	APPROVED

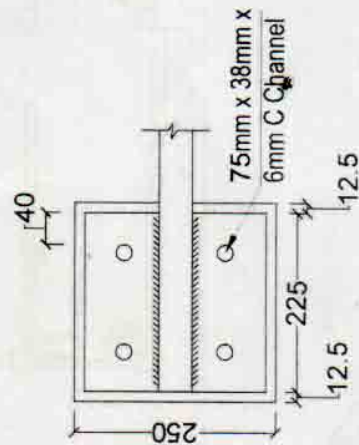


**FOOTING LAYOUT OF SITE OFFICE
(TYPE-B)**

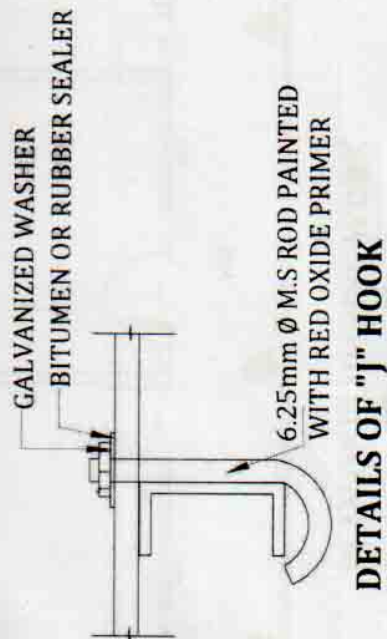
BANGLADESH WATER DEVELOPMENT BOARD	
OFFICE OF THE SUPERINTENDING ENGINEER	
DESIGN CIRCLE - II	
TYPICAL DESIGN OF SITE OFFICE - TYPE B	
FOOTING LAYOUT OF SITE OFFICE	
DESIGNED BY:	RECOMMENDED BY:
MD. HASIN (EXECUTIVE ENGINEER)	MD. HASIN (EXECUTIVE ENGINEER)
CHECKED BY:	APPROVED BY:
MD. HASIN (EXECUTIVE ENGINEER)	MD. HASIN (EXECUTIVE ENGINEER)
DATE: 23-12-19	DATE: 23-12-19
DWG NO. 750-78-606	SHEET NO. 8/12

DATE	PREPARED	CHKD	REVIEWED	APPROVED

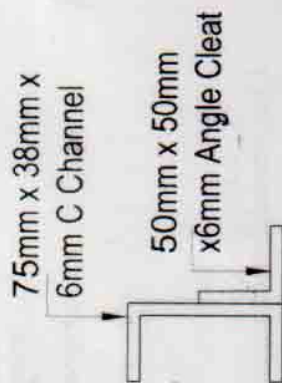




DETAILS OF PLATE TO FIX GUSSET PLATE



DETAILS OF "J" HOOK



DETAILS OF C CHANNEL FIXING

[illegible]

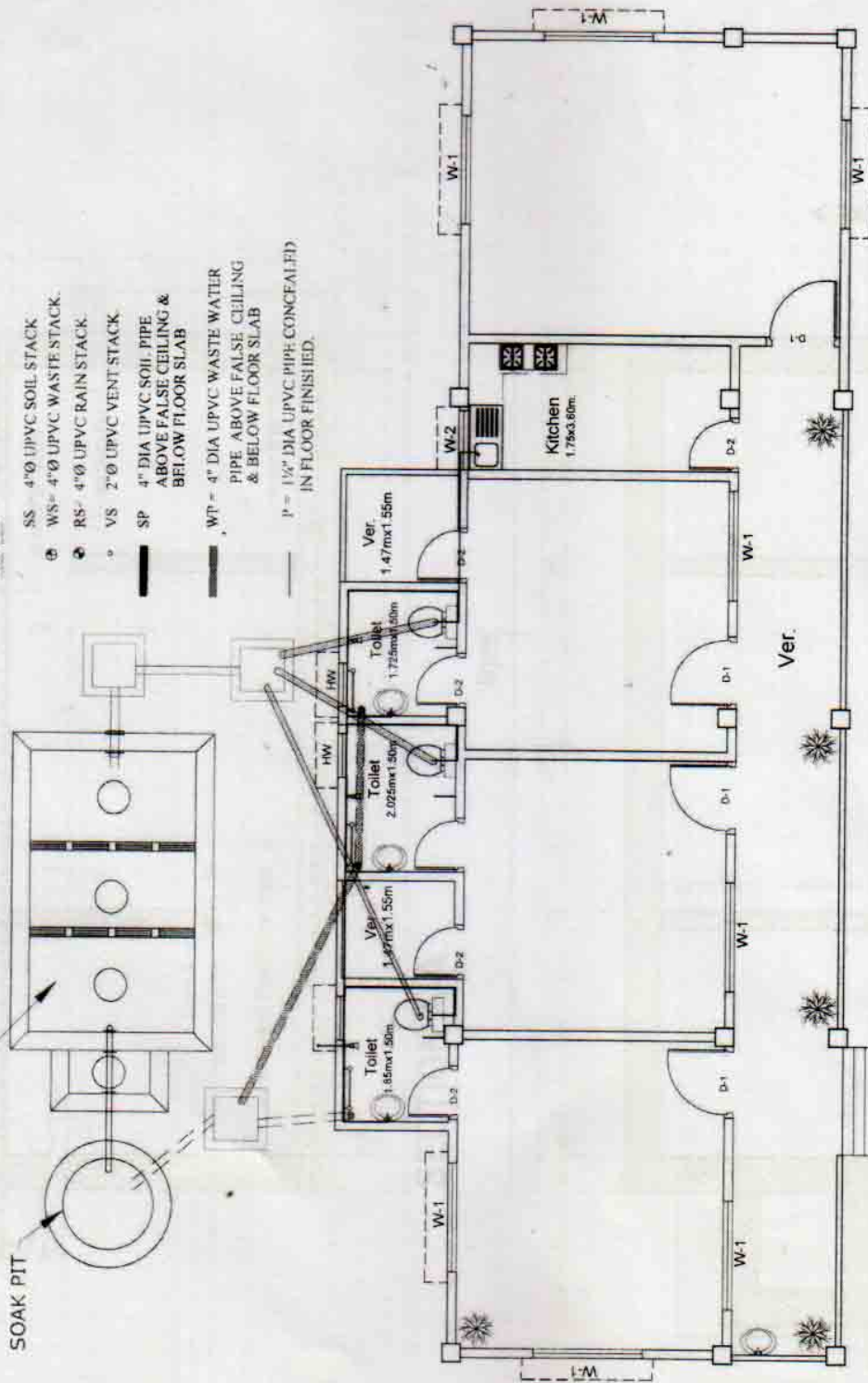
DESIGNED BY: <i>S. B. B. B.</i> (POLY BAS) SUB DIVISIONAL ENGINEER CHECKED BY: <i>...</i> (NASHA JAHAN) ASSISTANT ENGINEER	FOOTING, LINTEL AND JOINT DETAILS	RECOMMENDED BY: <i>...</i> (MR. HARUN UR RAHMAN) SUPPLEMENTARY ENGINEER APPROVED BY: <i>...</i> 6.1.50.10 (MOHAMMAD HOSSAIN) (CHIEF ENGINEER)	OFFICE OF THE SUPERINTENDING ENGINEER DESIGN SITE - II TYPICAL DESIGN OF CIRCLE - TYPE B	BANGLADESH WATER DEVELOPING BOARD
--	--	--	---	--

SEPTIC TANK

SOAK PIT

NOTE:

- SS - 4" Ø UPVC SOIL STACK
- WS - 4" Ø UPVC WASTE STACK
- RS - 4" Ø UPVC RAIN STACK
- VS - 2" Ø UPVC VENT STACK
- SP - 4" DIA UPVC SOIL PIPE ABOVE FALSE CEILING & BELOW FLOOR SLAB
- WP - 4" DIA UPVC WASTE WATER PIPE ABOVE FALSE CEILING & BELOW FLOOR SLAB
- P - 1/2" DIA UPVC PIPE CONCEALED IN FLOOR FINISHED



PLAN OF PLUMBING WORK (TYPE-B)

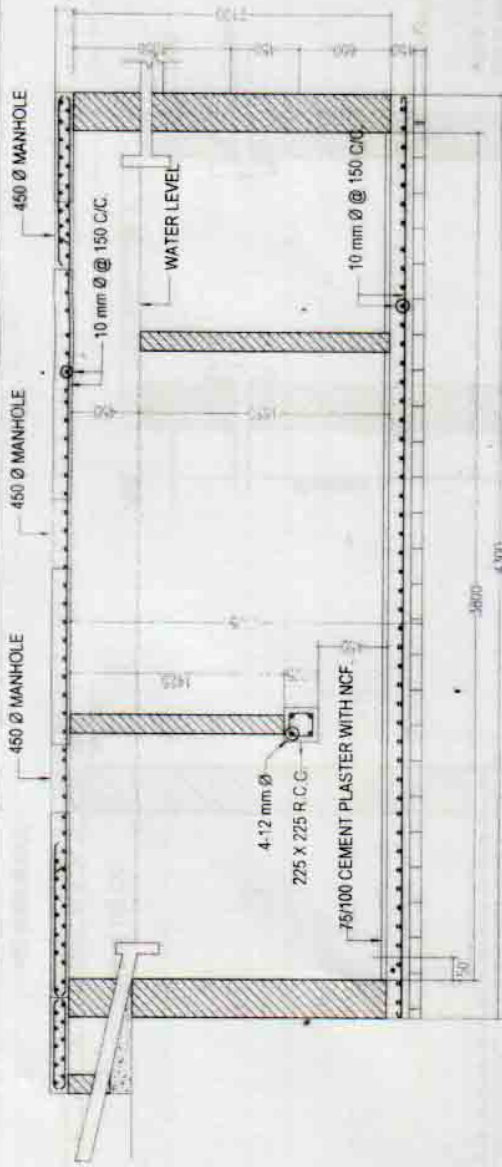
BANGLADESH WATER DEVELOPING BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - II
TYPICAL DESIGN OF SITE OFFICE - TYPE B

PLAN OF PLUMBING WORKS

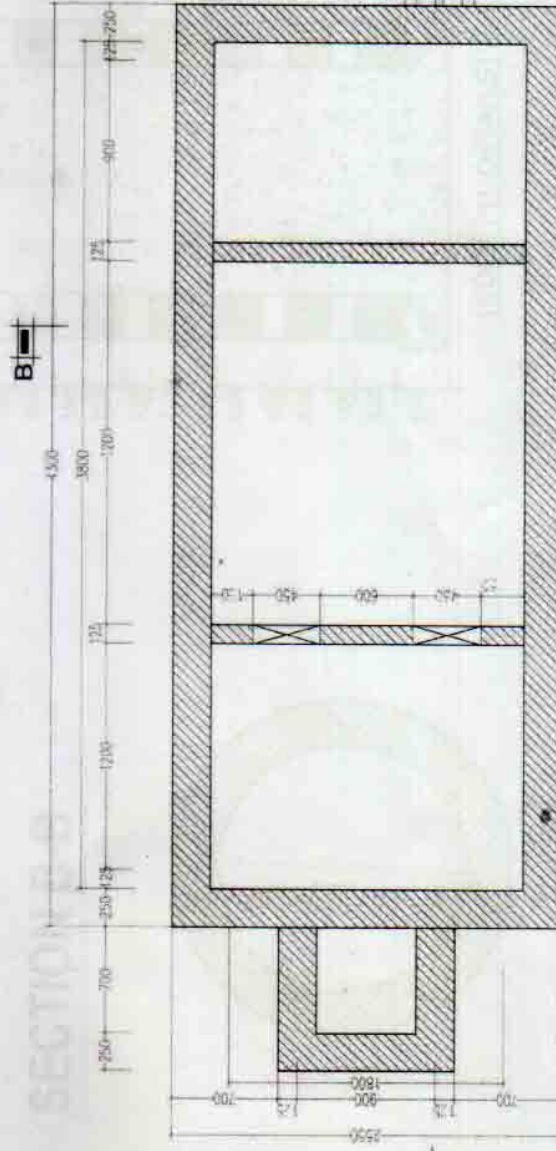
DESIGNED BY:	RECOMMENDED BY:
(POLY BAS)	(MD. HARUN UR RAHMAN)
SUB-DIVISIONAL ENGINEER	SUPERINTENDING ENGINEER
CHECKED BY:	APPROVED BY:
(NASIMA JAHAN)	(MD. HARUN UR RAHMAN)
EXECUTIVE ENGINEER	CHIEF ENGINEER
DATE: 2-5-19	DATE: 02-05-19
DWG NO. 750-7B-606	SHEET NO. 16/12

DATE	PREPARED	CHKD	REV	APPROVED





SECTION A-A



PLAN OF SEPTIC TANK

BANGLADESH WATER DEVELOPMENT BOARD
OFFICE OF THE SUPERINTENDING ENGINEER
DESIGN CIRCLE - II
TYPICAL DESIGN OF SITE OFFICE - TYPE B

DESIGNED BY: (POLY BAS) SUB DIVISIONAL ENGINEER
CHECKED BY: (NASHA JAHAN) EXECUTIVE ENGINEER
RECOMMENDED BY: (MD. HAFIZ URBAN) SUPERINTENDING ENGINEER
APPROVED BY: (MD. HAFIZ URBAN) SUPERINTENDING ENGINEER
DATE: 2-5-19
DWG NO.: 750-78-606
SHEET NO.: 1/1

DATE	PREPARED	CHECKED	REVIEWED	APPROVED



