BANGLADESH WATER DEVELOPMENT BOARD

Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

Approved
12-02-18
(Md. Fakhrul Abedin)
Project Director(Addl. Chief Engineer
Haor Flood Management &
Livelihood Improvement Project
BWDB, Dhaka.

NOAPARA HAOR SUB-PROJECT

DETAIL DRAWINGS
OF
MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

JANUARY, 2018

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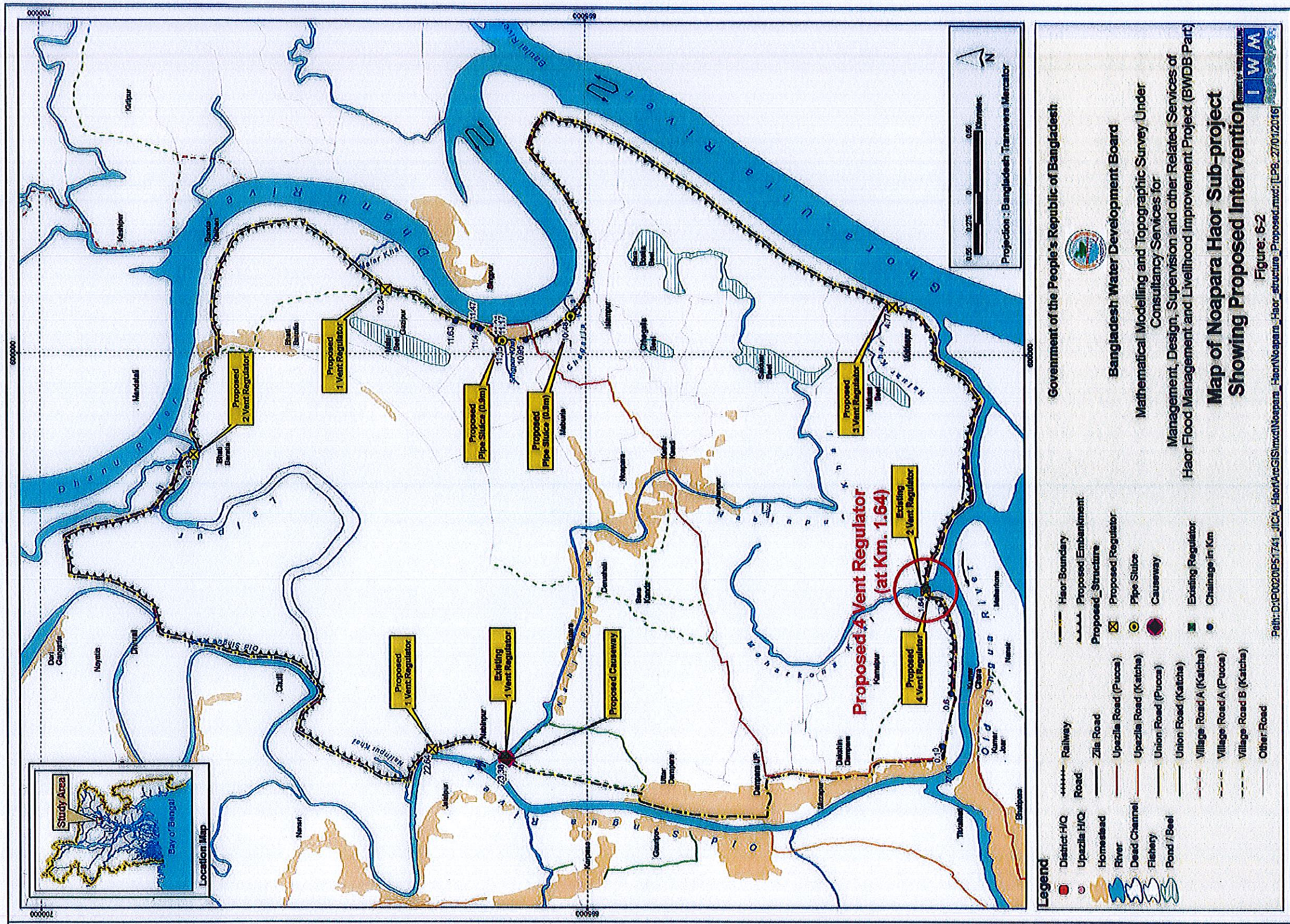

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

Scale: As shown

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jay Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

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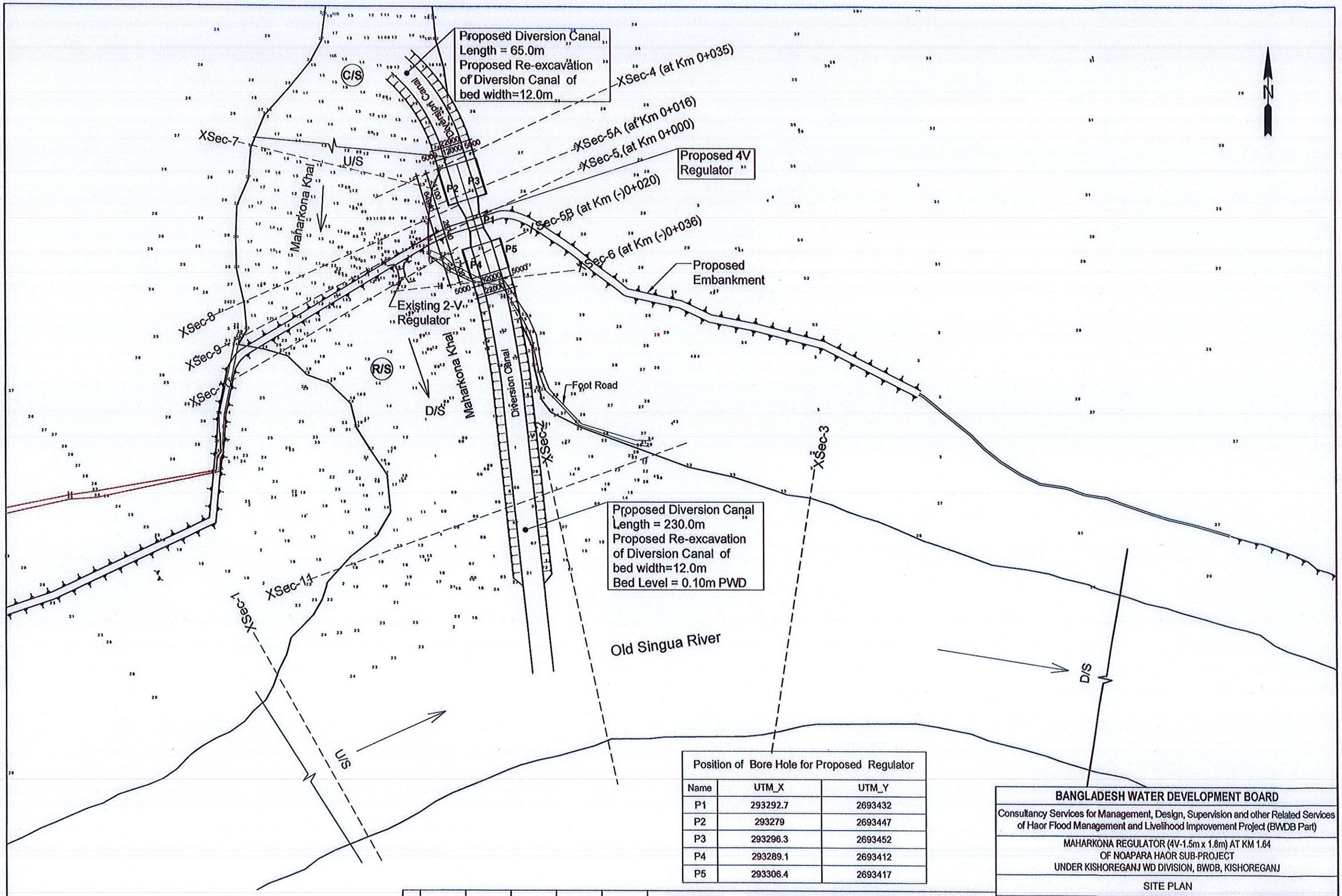
INDEX MAP

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 01 /16 | 28 / 01 / 2018



Position of Bore Hole for Proposed Regulator		
Name	UTM_X	UTM_Y
P1	293292.7	2693432
P2	293279	2693447
P3	293296.3	2693452
P4	293289.1	2693412
P5	293306.4	2693417

Scale: 1:2000

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SITE PLAN

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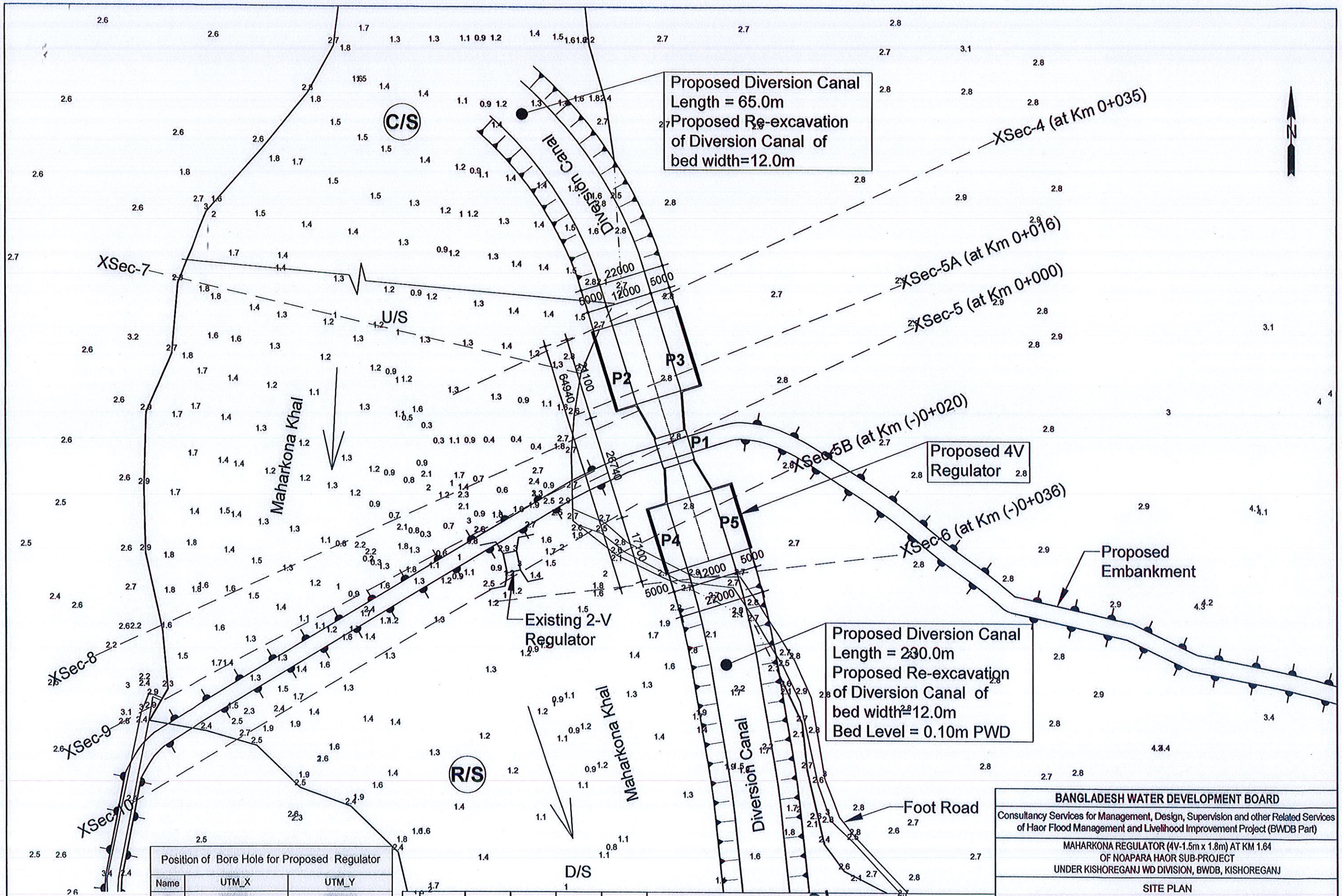

Scale: 1:900

Position of Bore Hole for Proposed Regulator		
Name	UTM_X	UTM_Y
P1	293292.7	2693432
P2	293279	2693447
P3	293296.3	2693452
P4	293289.1	2693412
P5	293306.4	2693417

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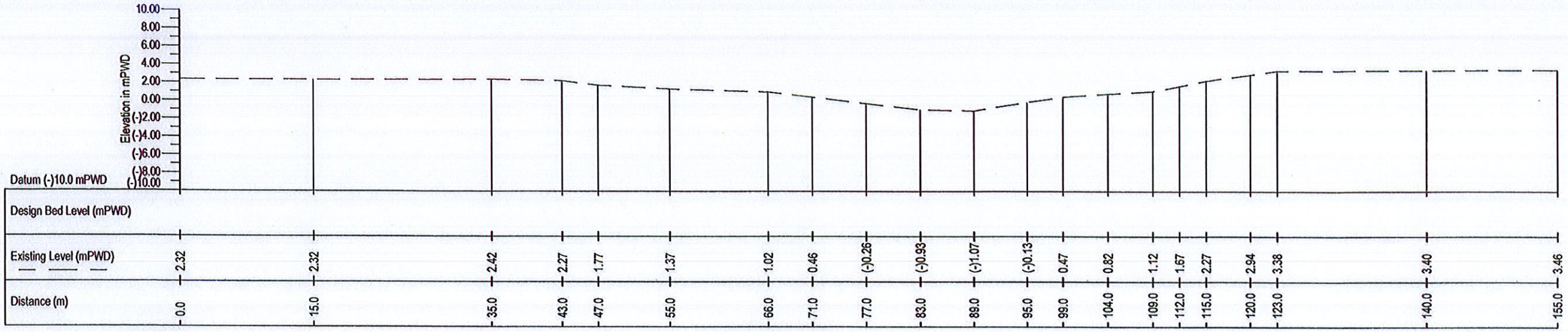
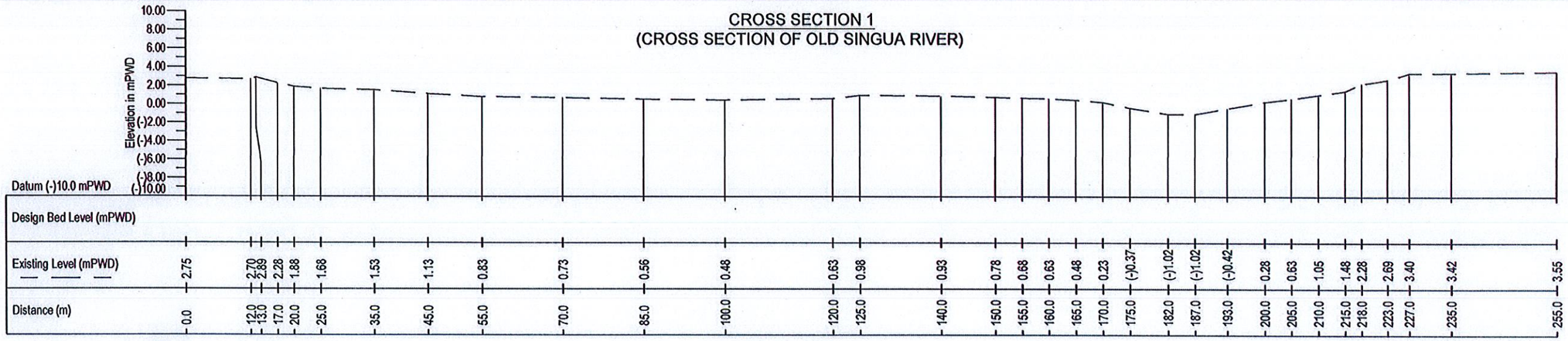


CROSS SECTION 1
(CROSS SECTION OF OLD SINGUA RIVER)



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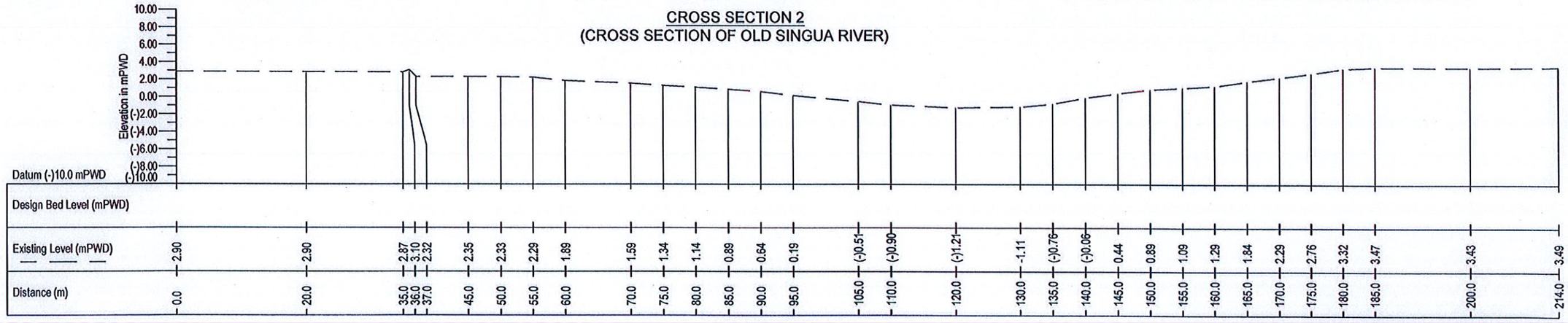

CROSS SECTION 3
(CROSS SECTION OF OLD SINGUA RIVER)

Scale: As shown

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CROSS SECTIONS OF OLD SINGUA RIVER AT OUTFALL OF STRUCTURE

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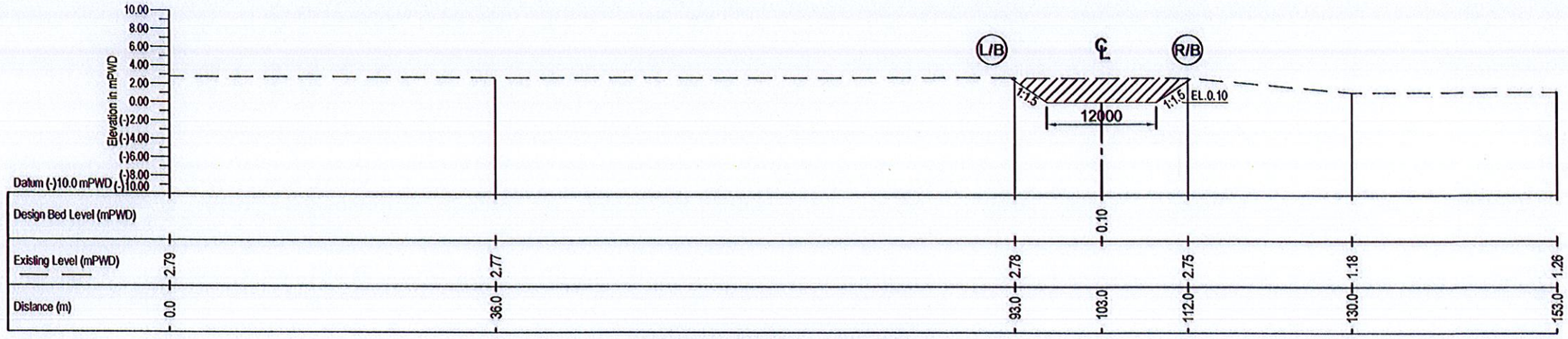
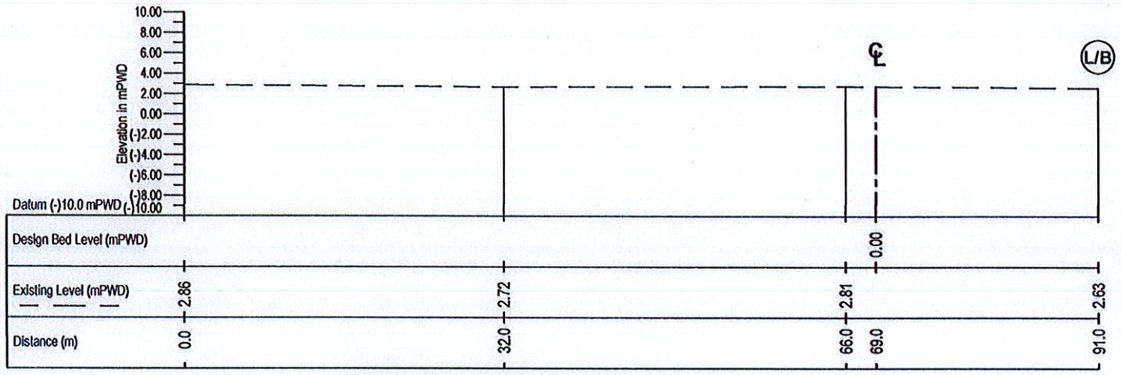
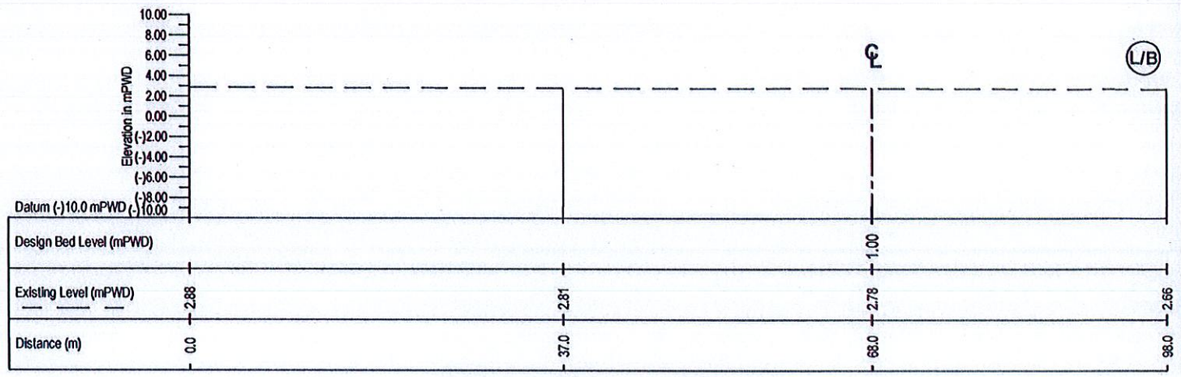


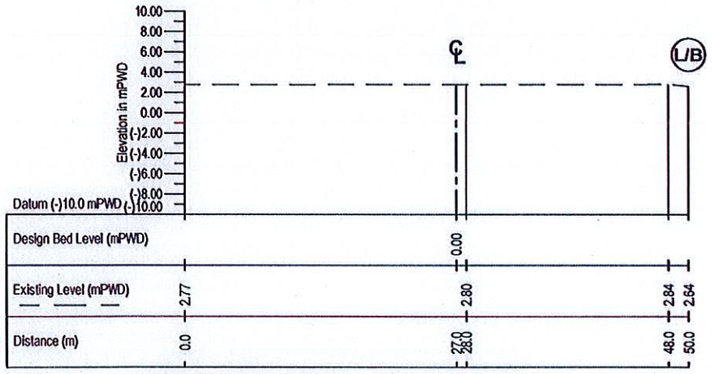
CROSS SECTION 4 (AT KM 0+035)
C/S DIVERSION CANAL



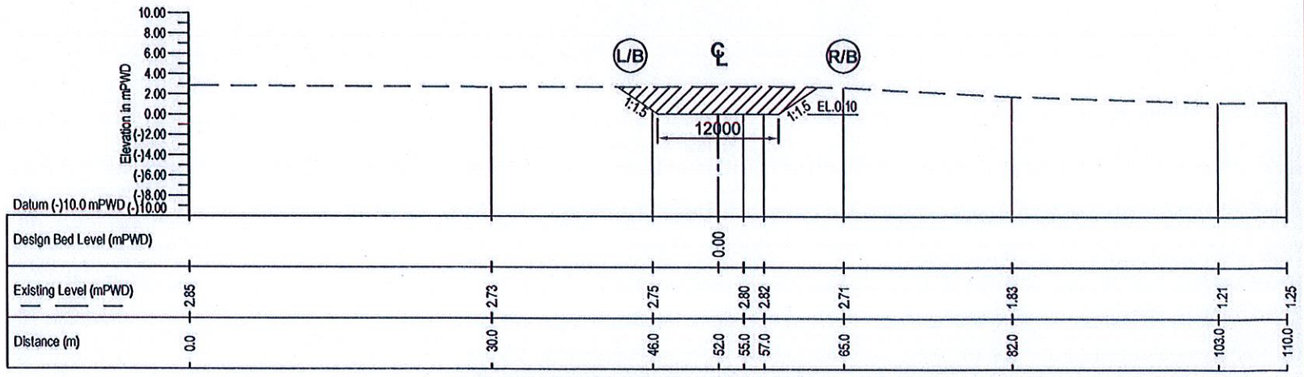
CROSS SECTION 5A (AT KM 0+016)
C/S REGULATOR APRON PORTION



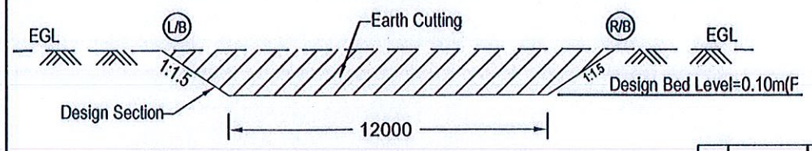
CROSS SECTION 5 (AT KM 0+000)
REGULATOR BARREL PORTION



CROSS SECTION 5B (AT KM (-)0+020)
R/S REGULATOR APRON PORTION



CROSS SECTION 6 (AT KM (-)0+036)
C/S DIVERSION CANAL



TYPICAL CROSS SECTION C/S & R/S OF DIVERSION CANAL

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
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MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

CROSS SECTIONS OF DIVERSION CANAL

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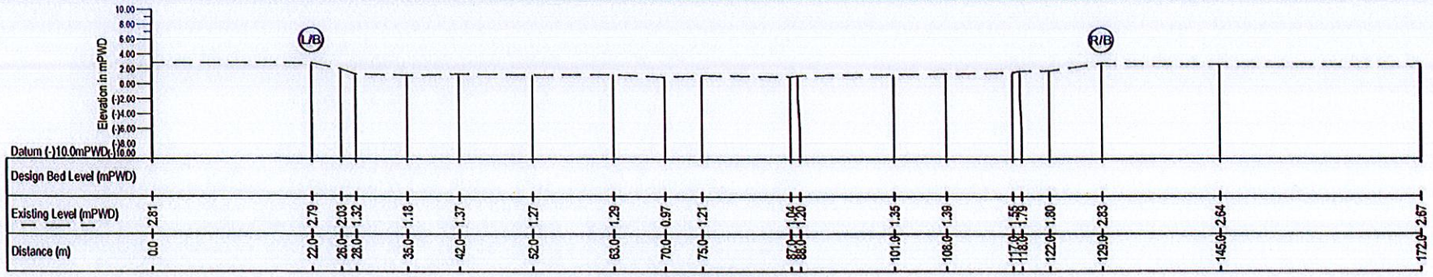
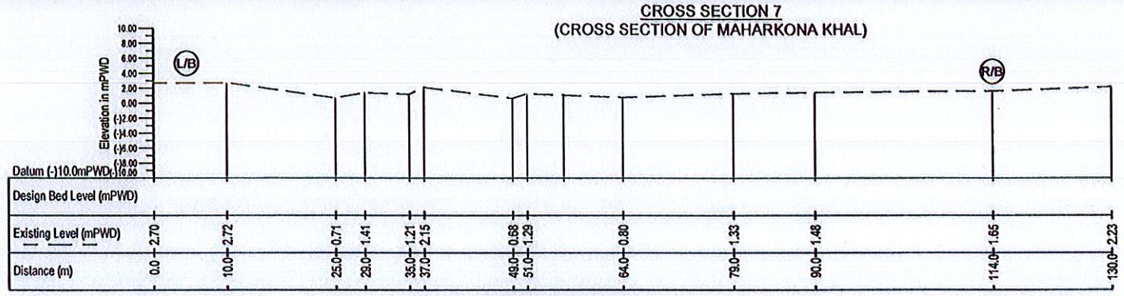
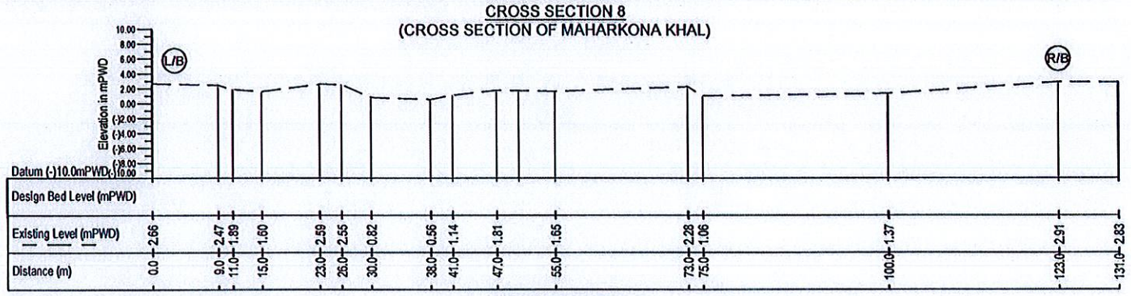


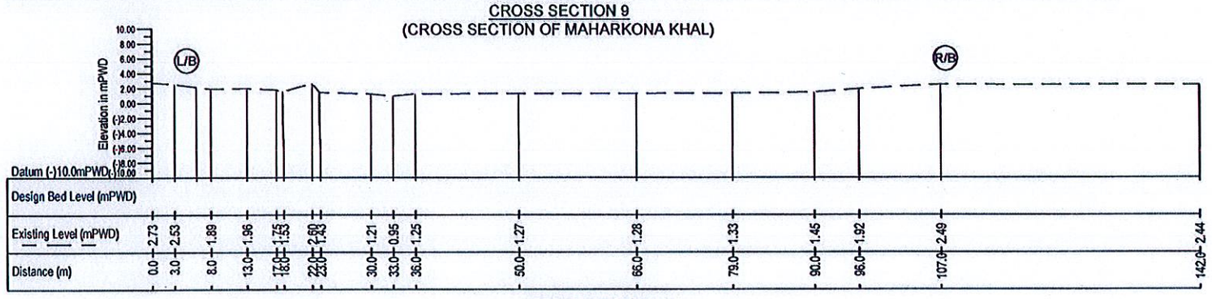
CROSS SECTION 7
(CROSS SECTION OF MAHARKONA KHAL)



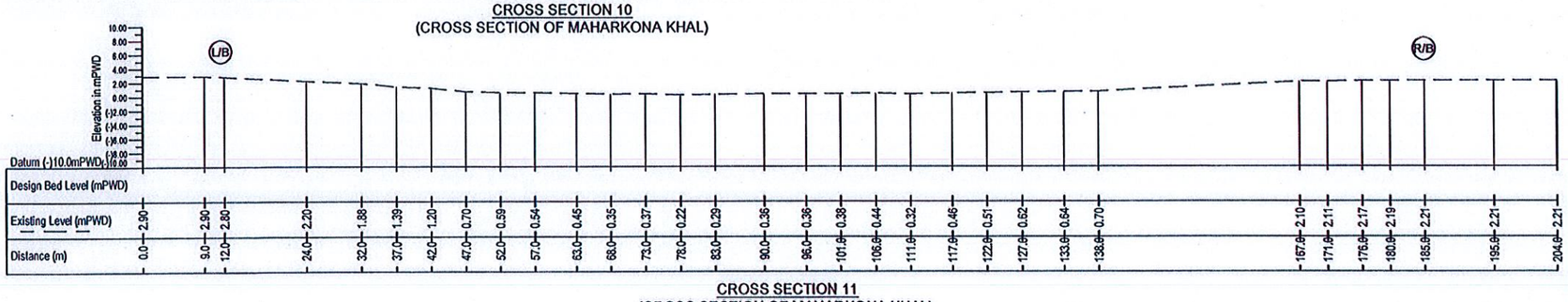
CROSS SECTION 8
(CROSS SECTION OF MAHARKONA KHAL)



CROSS SECTION 9
(CROSS SECTION OF MAHARKONA KHAL)



CROSS SECTION 10
(CROSS SECTION OF MAHARKONA KHAL)



CROSS SECTION 11
(CROSS SECTION OF MAHARKONA KHAL)

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CROSS SECTIONS OF MAHARKONA KHAL

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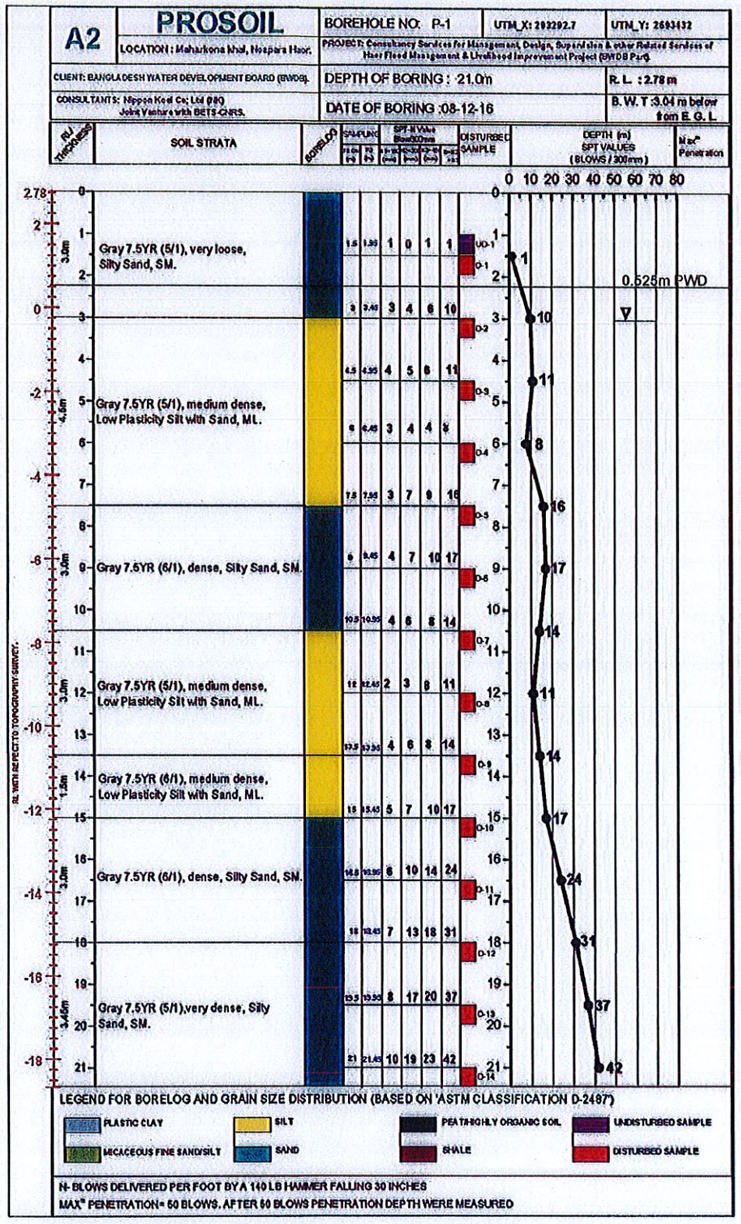
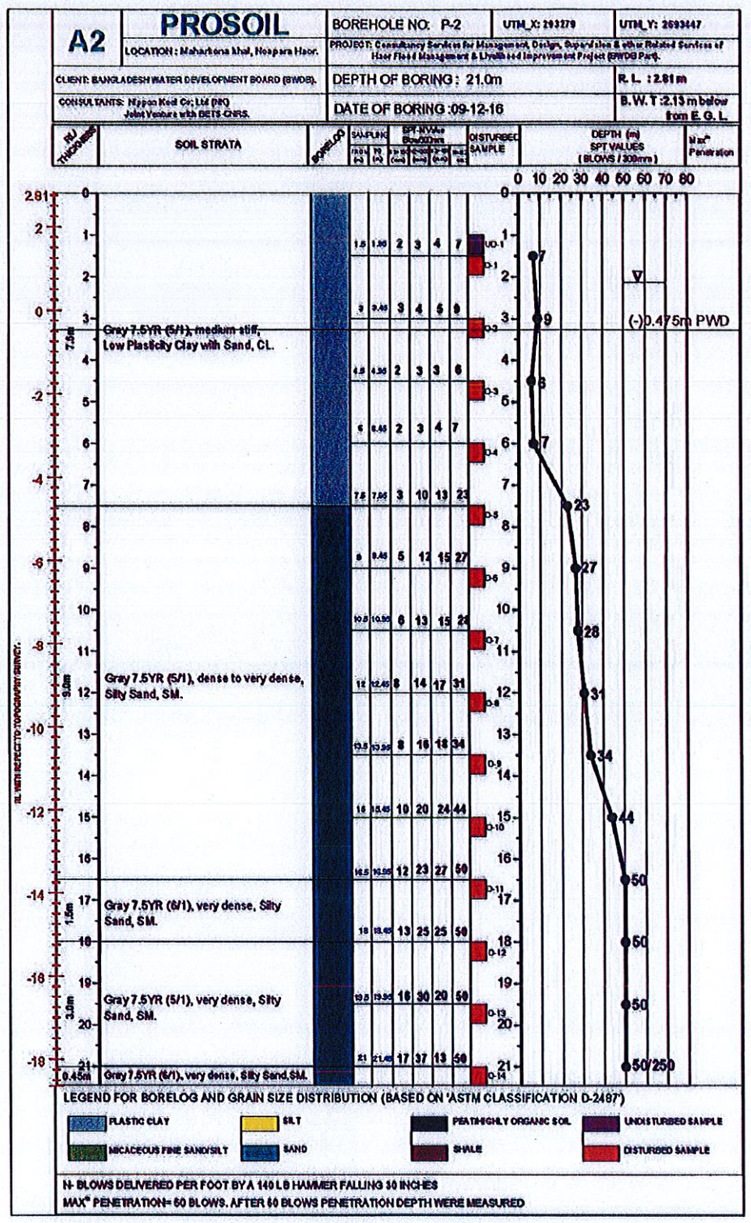
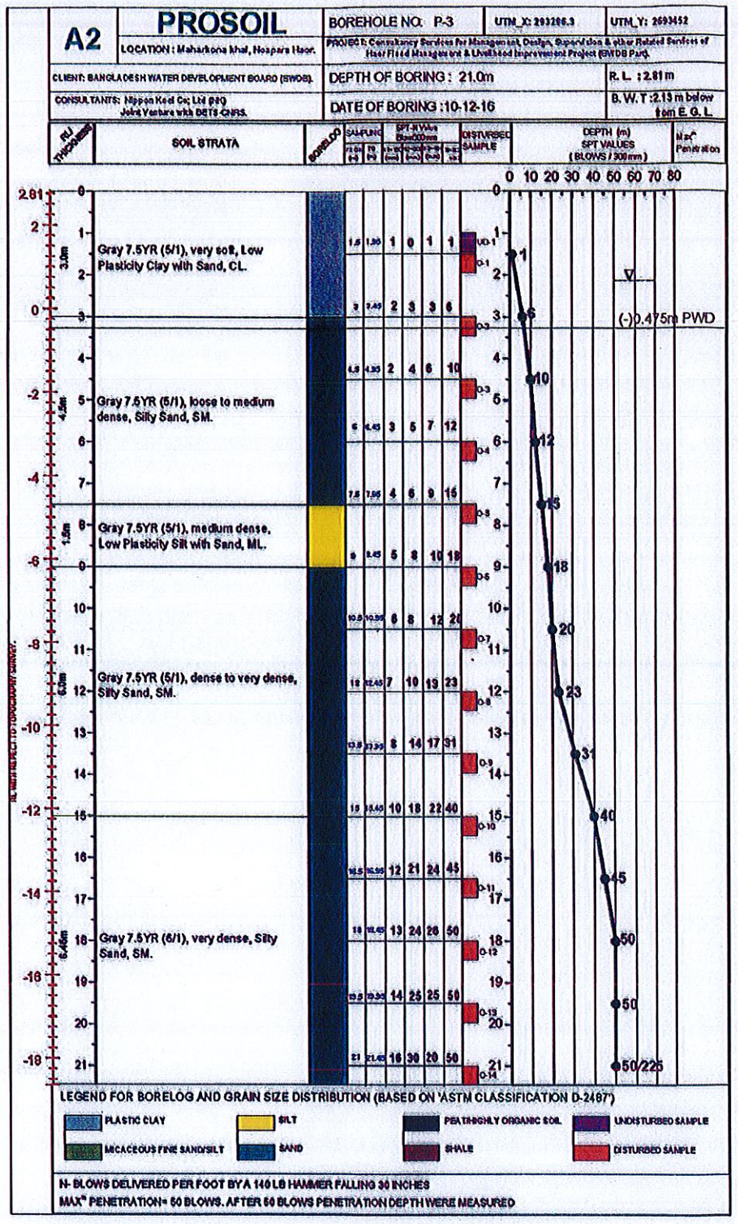


BOTTOM LEVEL OF FOUNDATION AT CENTRAL PART= ——— 0.525m PWD



BOTTOM LEVEL OF FOUNDATION AT C/S BASIN PART= ——— (-)0.475m PWD

BOTTOM LEVEL OF FOUNDATION AT C/S RETURN WALL= (-)0.675m PWD



BOTTOM LEVEL OF FOUNDATION AT C/S BASIN PART= ——— (-)0.475m PWD

BOTTOM LEVEL OF FOUNDATION AT C/S RETURN WALL= (-)0.675m PWD

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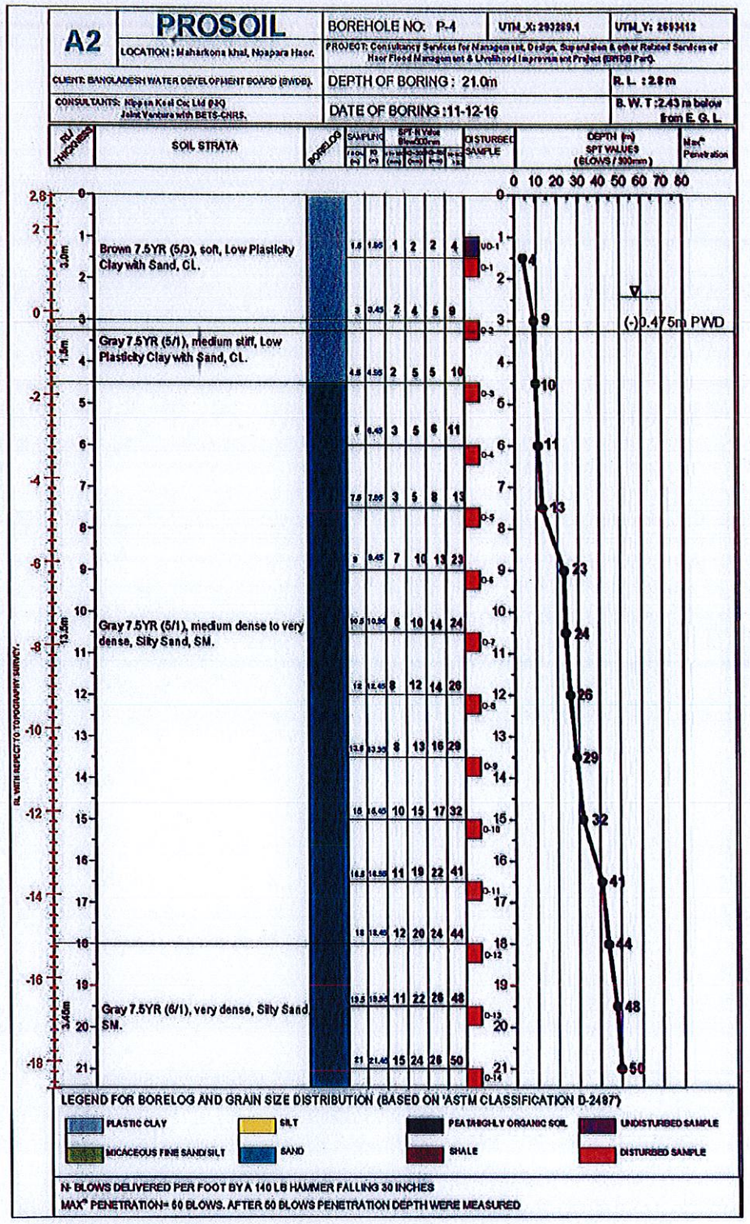
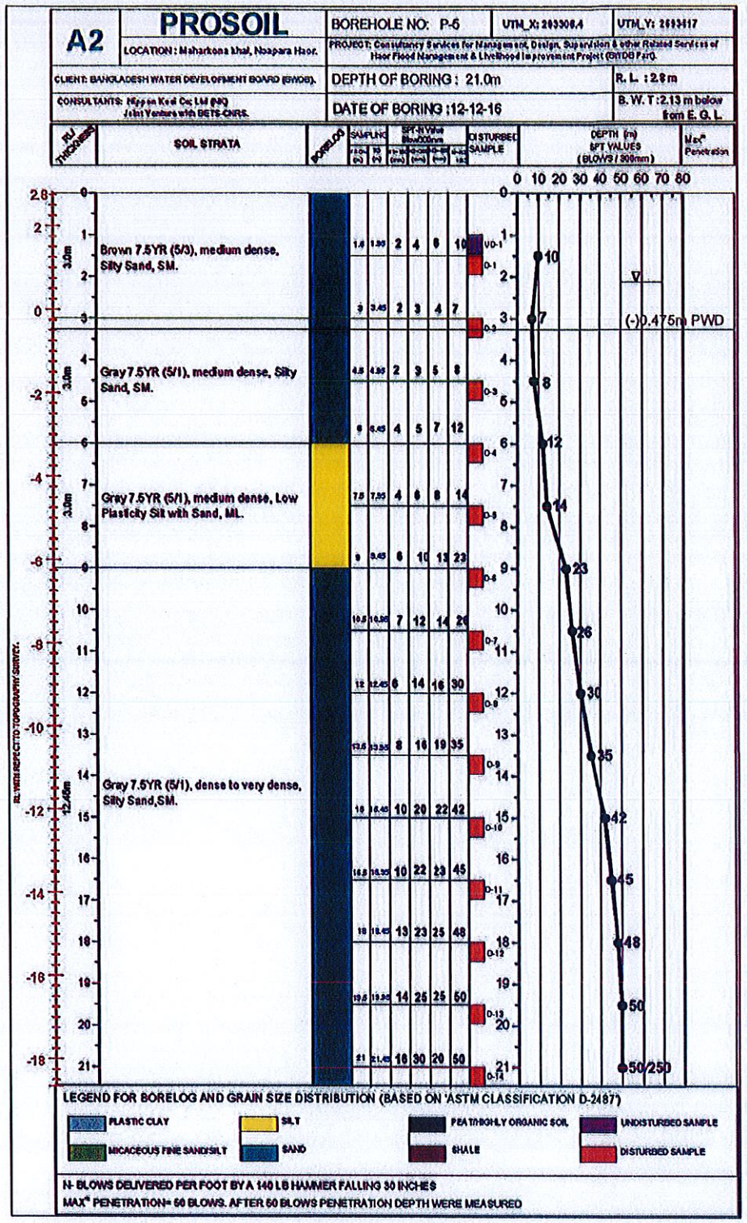


BOTTOM LEVEL OF FOUNDATION AT R/S BASIN PART= ——— (-)0.475m PWD

BOTTOM LEVEL OF FOUNDATION AT R/S RETURN WALL= (-)0.675m PWD



BOTTOM LEVEL OF FOUNDATION AT R/S BASIN PART= ——— (-)0.475m PWD

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DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 07 /16 | 28 / 01 / 2018

GENERAL NOTES:

1. THIS DESIGN HAS BEEN PREPARED AS PER FINAL PLANNING REVIEW REPORT DATED APRIL, 2016 SUBMITTED BY IWM.
2. ALL DIMENSIONS ARE IN MILLIMETER BUT ELEVATIONS ARE IN METER (PWD) UNLESS OTHERWISE MENTIONED IN THE DRAWINGS.
3. CONCRETE SHALL DEVELOP A CRUSHING STRENGTH (CYLINDER STRENGTH) AS NOTED BELOW AT 28 DAYS AND SHALL BE CHECKED BY COLLECTING SAMPLES AND TESTING DURING CONSTRUCTION (ITEM CODE NO. AS PER BWDB STANDARD SCHEDULE OF RATES MANUAL):

   A) ALL R.C.C WORK: 22.0 N/mm2

   B) C.C BLOCKS: 9.0 N/mm2
4. CONCRETE SHALL BE POURED IN DRY BED CONDITION.
5. CONCRETE MIXTURE SHALL BE POURED AS QUICK AS POSSIBLE BUT NOT LATER THAN 45 MINUTES AFTER MIXING.
6. CURING OF CONCRETE SHALL BE CONTINUED FOR MINIMUM 21 DAYS AFTER CASTING.
7. THE SURFACE OF CONSTRUCTION JOINTS SHALL BE WASHED THOROUGHLY WITH WATER JET AND SHALL BE CLEANED ENOUGH AND SURFACE DRY PRIOR TO PLACEMENT OF ADJOINING CONCRETE.
8. THE 75 mm LEAN CONCRETE AT BASE SHALL BE 1:3:6
9. THE LEAN CONCRETE AT FOUNDATION OF THE PROPOSED SLUICE SHALL BE PLACED AFTER PROPERLY COMPACTING EXCAVATED BASE.
10. REINFORCEMENT SHALL BE DEFORMED BARS WITH MILD STEEL ROUND, HOT ROLLED BARS FREE FROM RUST, MILL SCALE, GREASE AND OLD MATERIALS AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 414 N/mm2.
11. UNLESS OTHERWISE SPECIFIED, DURING CONSTRUCTION, BACK FILLING OF WALLS SHALL BE DONE SIMULTANEOUSLY WITH SAND (FM>=0.80) FREE FROM VEGETABLE ROOTS AND ORGANIC MATTER.
12. MINIMUM 150mm SAND SHALL BE PLACED ON COMPACTED EXCAVATED EARTH FOR BASE PREPARATION.
13. ALL EXPANSION JOINTS SHALL HAVE A GAP OF 20mm AND SHALL BE SEALED AS PER DRAWINGS.
14. LAP / DEVELOPMENT LENGTH (Ld) SHALL BE 40 BAR DIAMETER OR AS SHOWN IN DRAWING.
15. **CLEAR COVER:**

    A) OPERATING DECK: 25mm (BOTH FACE)

    B) CONCRETE ADJACENT TO EARTH: 60mm

    C) CONCRETE ADJACENT TO WATER / EXPOSED OR OTHERS: 50mm
16. DESIGN OF GATE AND HOSTING SYSTEM WILL BE PREPARED BY CONSULTANT & SHALL BE VETTED BY DESIGN CIRCLE III, BWDB, DHAKA
17. THE EMBEDDED PARTS OF GATE SHALL BE INSTALLED DURING CONSTRUCTION OF BOX IN ACCORDANCE WITH APPROVED MECHANICAL DRAWING.
18. U-TYPE SHEET PILE (HOT ROLLED) OF 10.5 mm THICKNESS SHALL BE USED. SHEET PILE SHALL BE CLEANED BY SAND BLASTING. ZINC PHOSPHATE SHALL BE USED AS PRIMARY COAT AND THEN 2 (TWO) COAT OF COAL TAR EPOXY COAT SHALL BE PROVIDED OVER PRIMARY COAT. INTERLOCKING AND ANCHORAGE OF SHEET PILE MUST BE ENSURED.
19. THE GATE SHALL BE INSTALLED BEFORE THE OPERATION OF THE STRUCTURE.
20. C/S DESIGN BED LEVEL OF DIVERSION CANAL SHALL BE RE-EXCAVATED FROM C/S LOOSE APRON OF REGULATOR AT 0.10M (PWD) TO 0.10M (PWD) OF MAHARKONA KHAL FOR A LENGTH OF 65.0M. DESIGN BED WIDTH SHALL BE ADJUSTED FROM 12.0M TO 15.0M.
21. R/S DIVERSION CANAL SHALL BE EXCAVATED FROM R/S LOOSE APRON AT 0.10M (PWD) TO DOWN WARDS FOR A LENGTH OF 230.0M. DESIGN BED WIDTH 12.0M.
22. '/' OR '\' IN THE DRAWINGS INDICATE TERMINATION OF REINFORCEMENT AND ℄ MEANS THE CENTRE LINE OF KHAL.
23. THE WORK SHALL BE EXECUTED AFTER ADMINISTRATIVE AND FINANCIAL APPROVAL FROM THE COMPETENT AUTHORITY.
24. FOR ANY ERROR / OMISSION DESIGN CIRCLE- I, BWDB MAY BE REFERRED TO THROUGH CONSULTANT.
25. ALL BORE HOLES SHALL BE SEALED BEFORE CONSTRUCTION OF REGULATOR
26. VERTICAL LIFT GATE USED ON R/S PROVIDED FOR FLOOD CONTROL & RETENTION WILL BE DONE BY C/S VERTICAL LIFT GATE.

SPECIAL NOTE:

1. BM SET BY IWM SHALL BE FOLLOWED DURING EXECUTION OF WORK
2. IF ANY PIT OR ORGANIC SOIL IS ENCOUNTERED AT FOUNDATION LEVEL SHALL BE REPORTED TO DESIGN CIRCLE-1 BWDB THROUGH CONSULTANTS FOR SOLUTION.

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

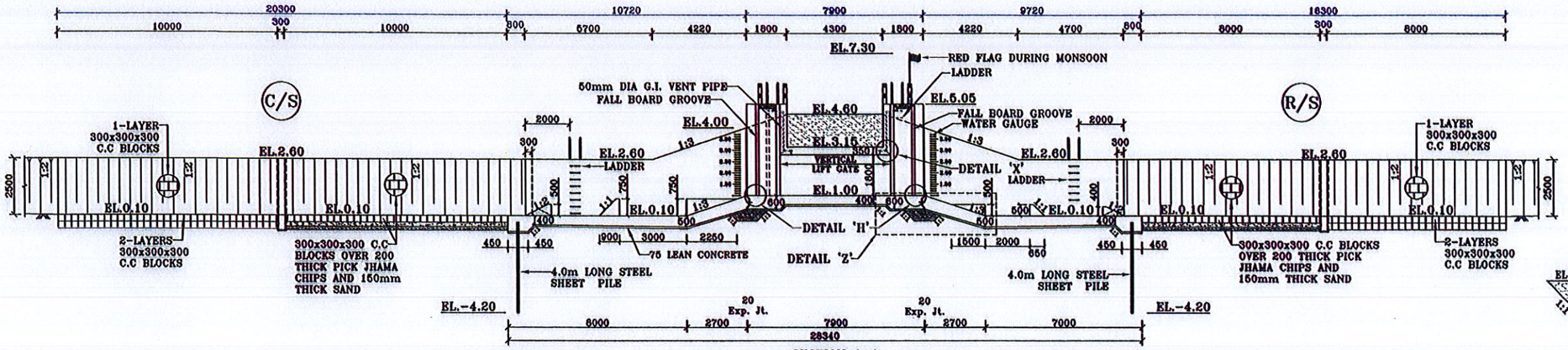
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

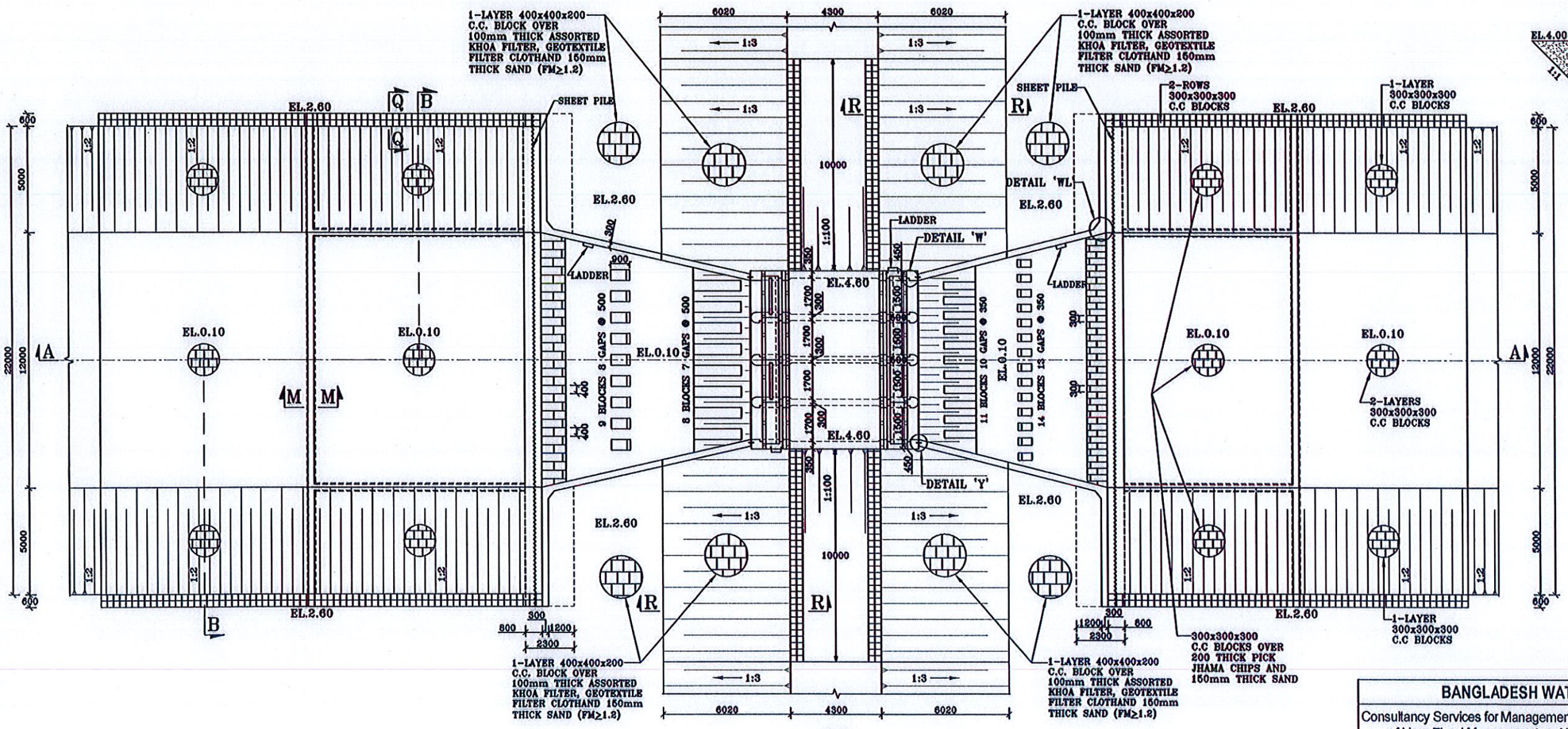
GENERAL NOTES

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Motaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

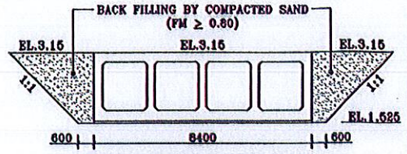
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 08/16 | 28 / 01 / 2018



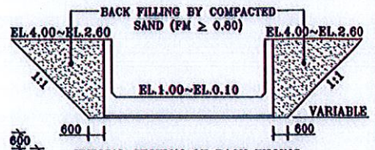
SECTION A-A



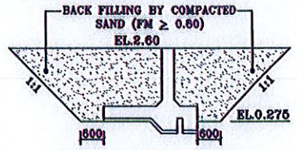
PLAN



TYPICAL SECTION OF BACK FILLING IN THE BARREL PORTION



TYPICAL SECTION OF BACK FILLING IN THE WING WALL



TYPICAL SECTION OF FILLING IN THE C/S & R/S RETURN WALL

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

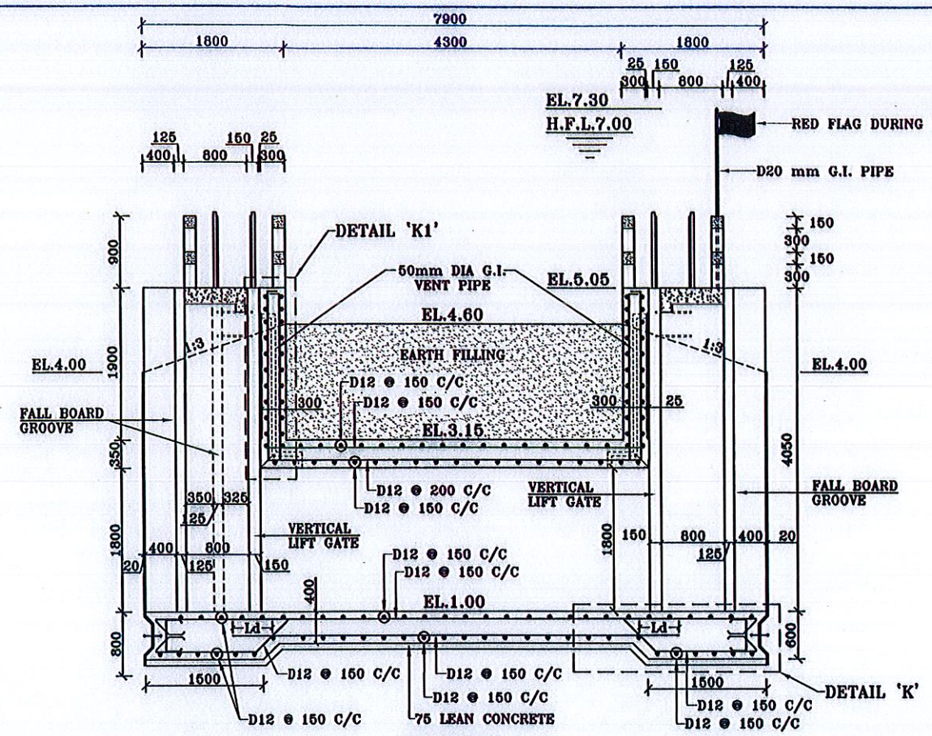
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

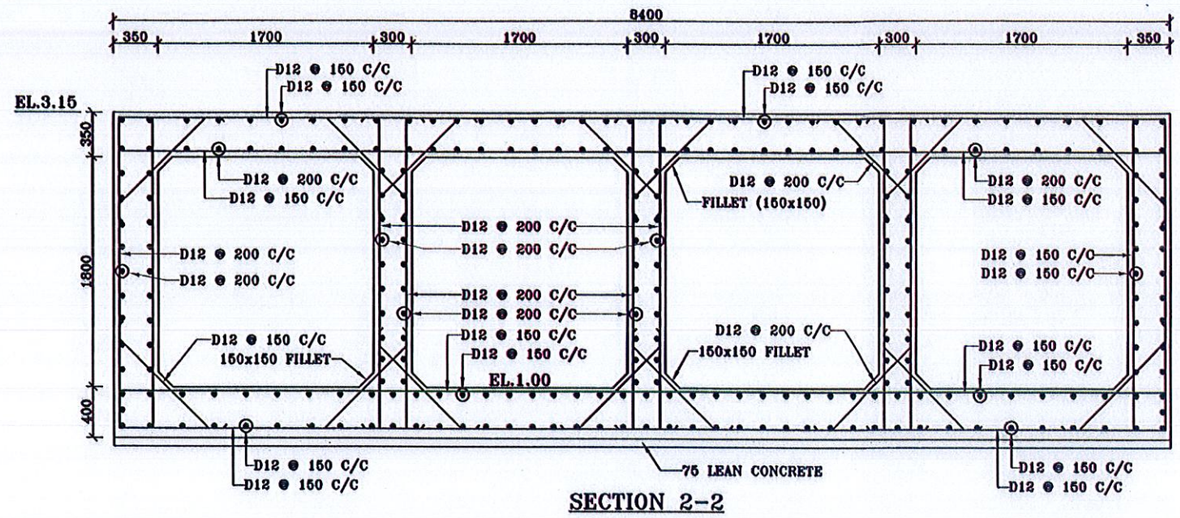
PLAN AND LONG SECTION

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Motaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 09/16 | 28 / 01 / 2018



SECTION 1-1



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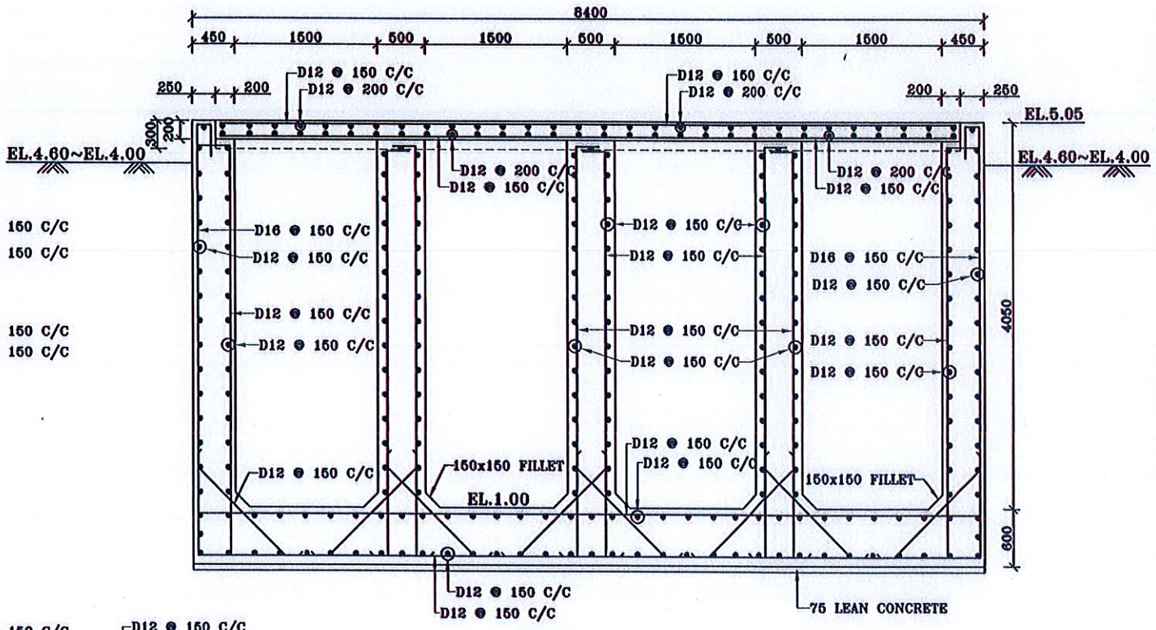

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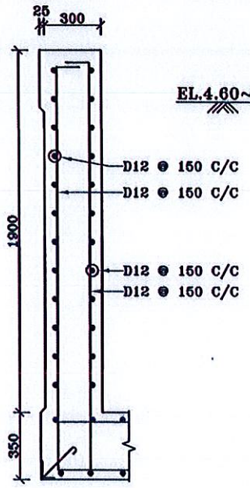
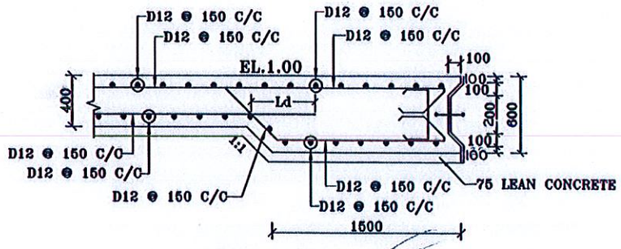


DETAIL 'K1'



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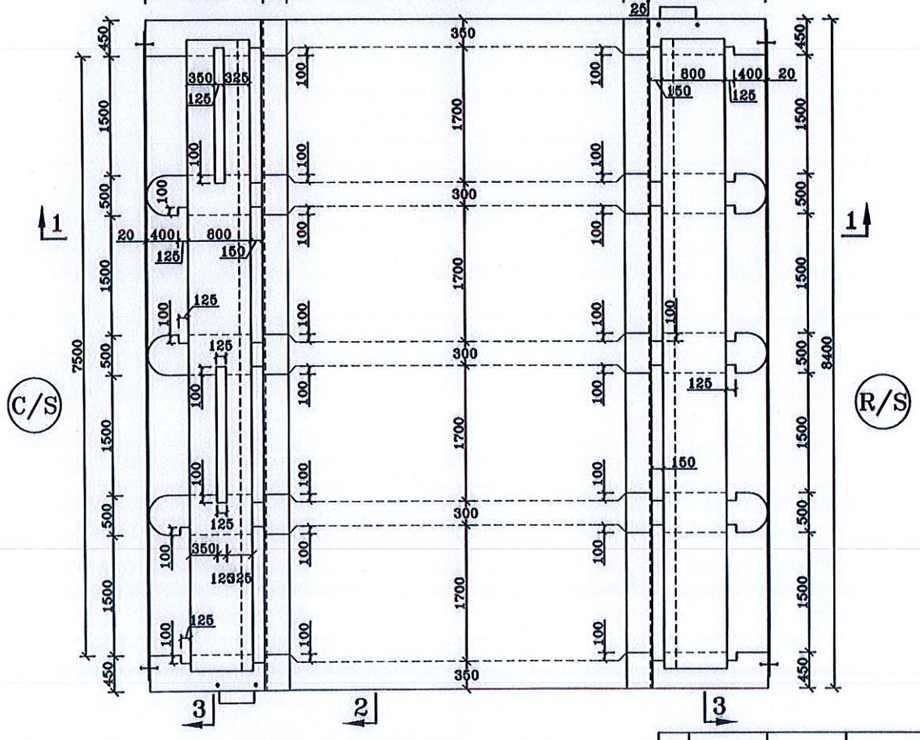


PLAN OF ABUTMENT AND PIER

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

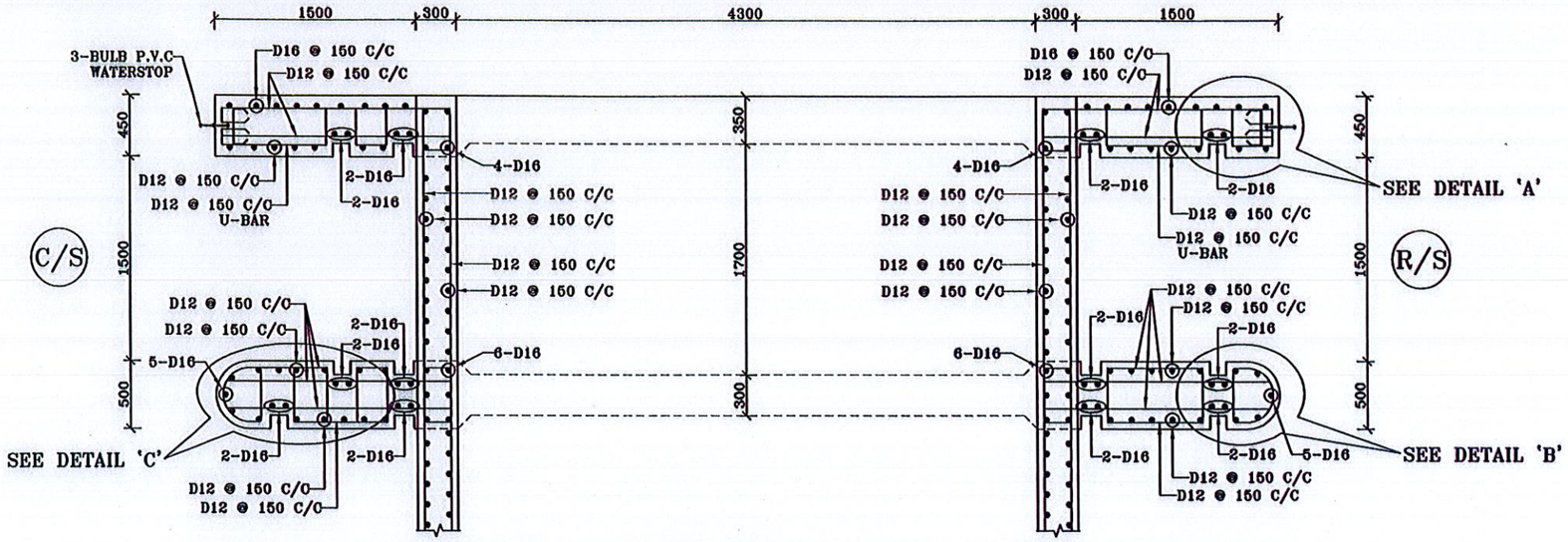
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

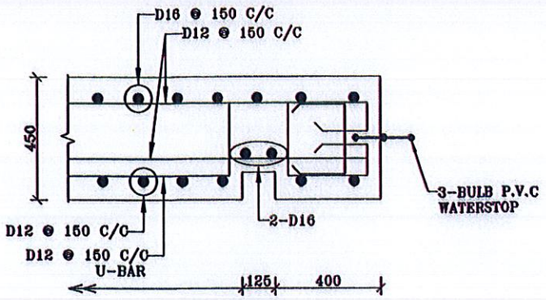
REINFORCEMENT DETAILS OF CENTRAL PART

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE, DESIGN

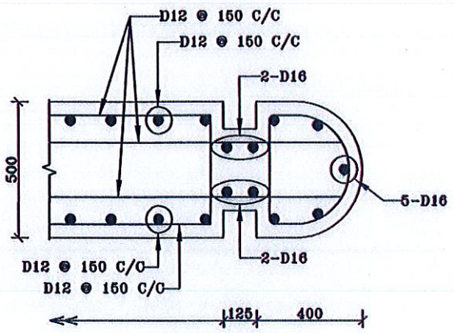
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 10/16 | 28 / 01 / 2018



REINF. DETAILS OF EXTENDED ABUTMENT, PIER AND HEAD WALL
(ABOVE TOP SLAB OF CONDUIT)



DETAIL 'A'



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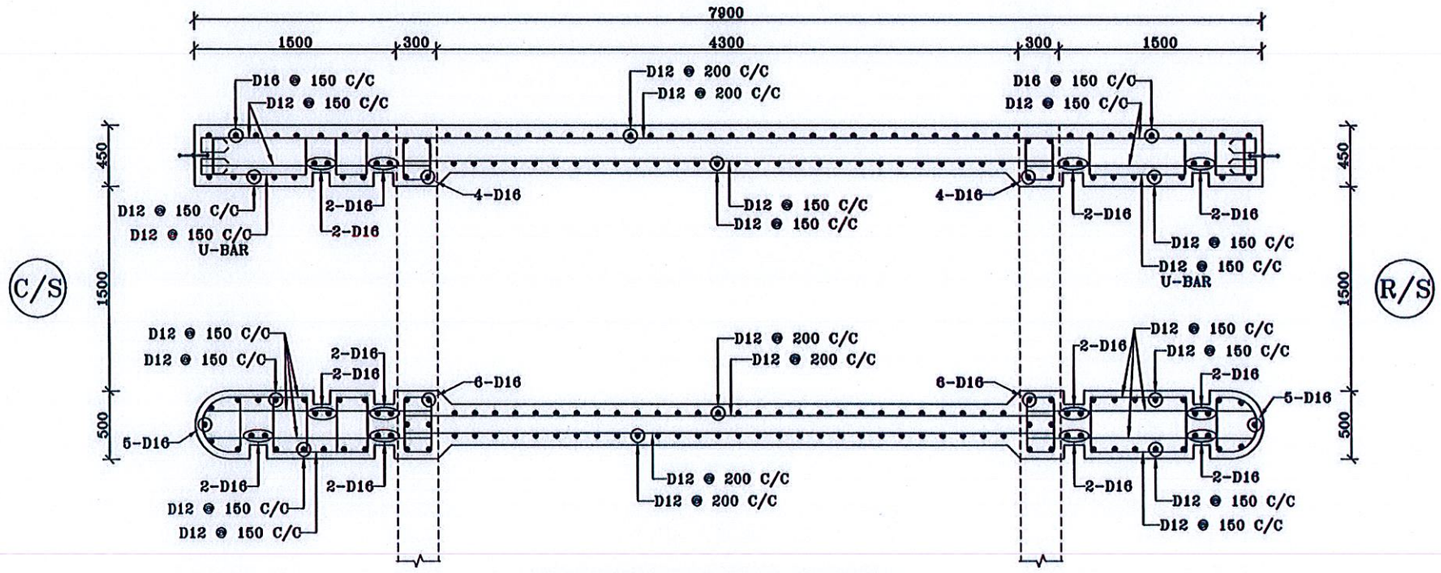
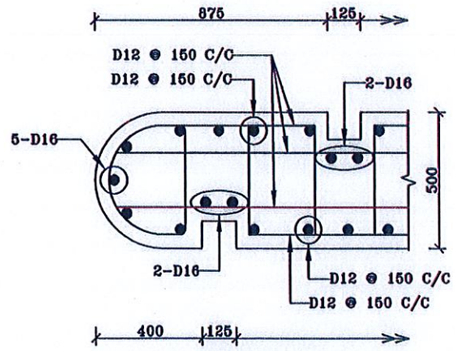


REINF. DETAILS OF PIER AND ABUTMENT
(BELOW TOP SLAB OF CONDUIT)



DETAIL 'C'

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS:	Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS		
DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

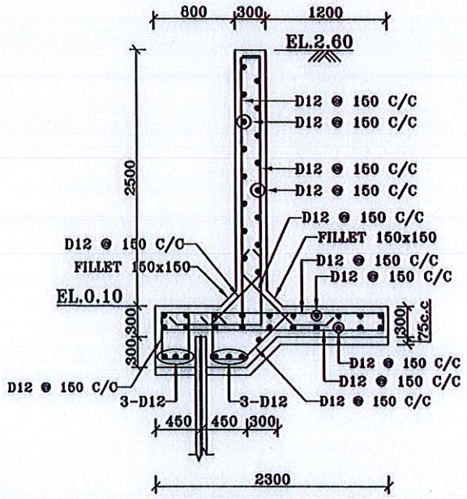
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

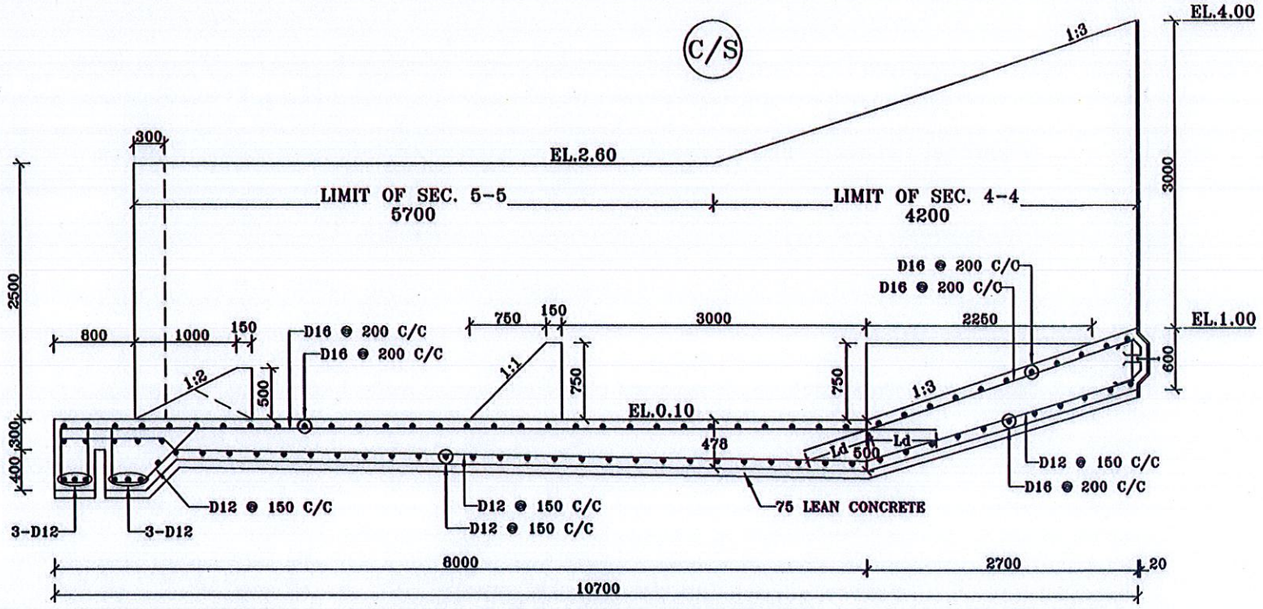
REINFORCEMENT DETAILS OF ABUTMENT & HEAD WALL IN PLAN

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

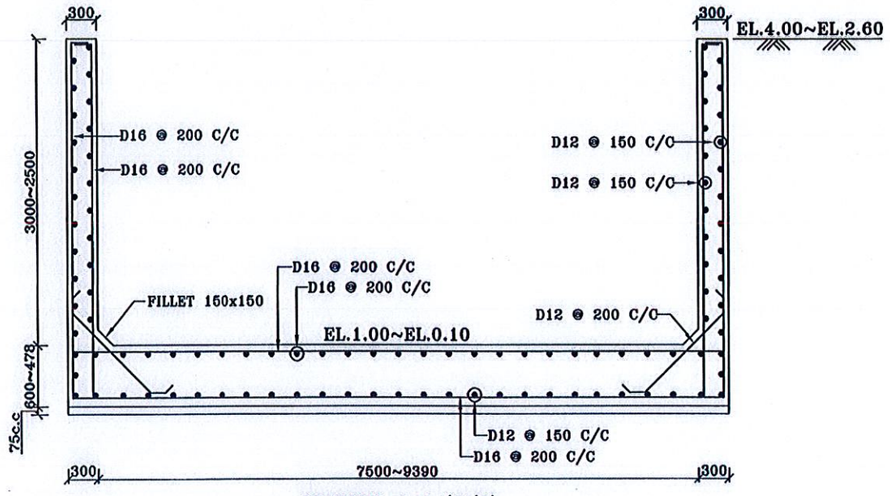
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 11/16 | 28 / 01 / 2018



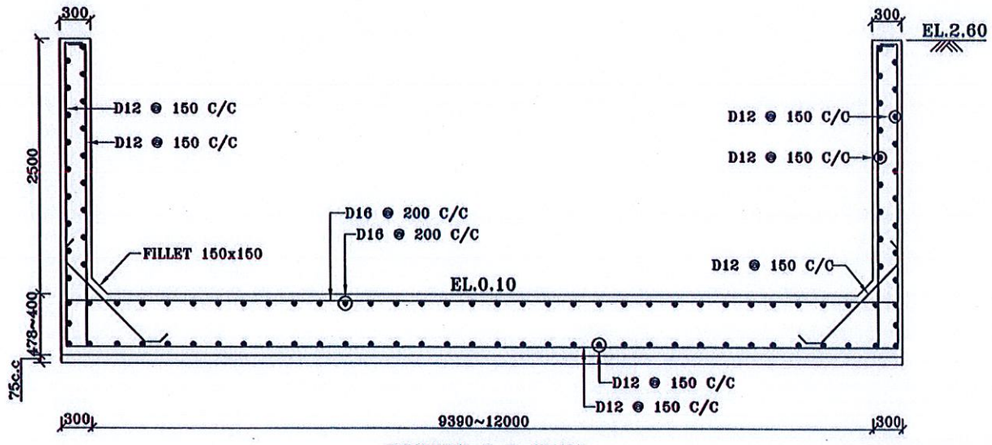
RETURN WALL (C/S)



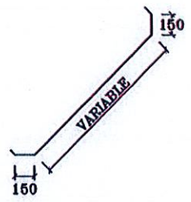
LONG SECTION OF APRON SLAB (C/S)
(THROUGH A-A)



SECTION 4-4 (C/S)



SECTION 5-5 (C/S)



TYPICAL FILLET BAR

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

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Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

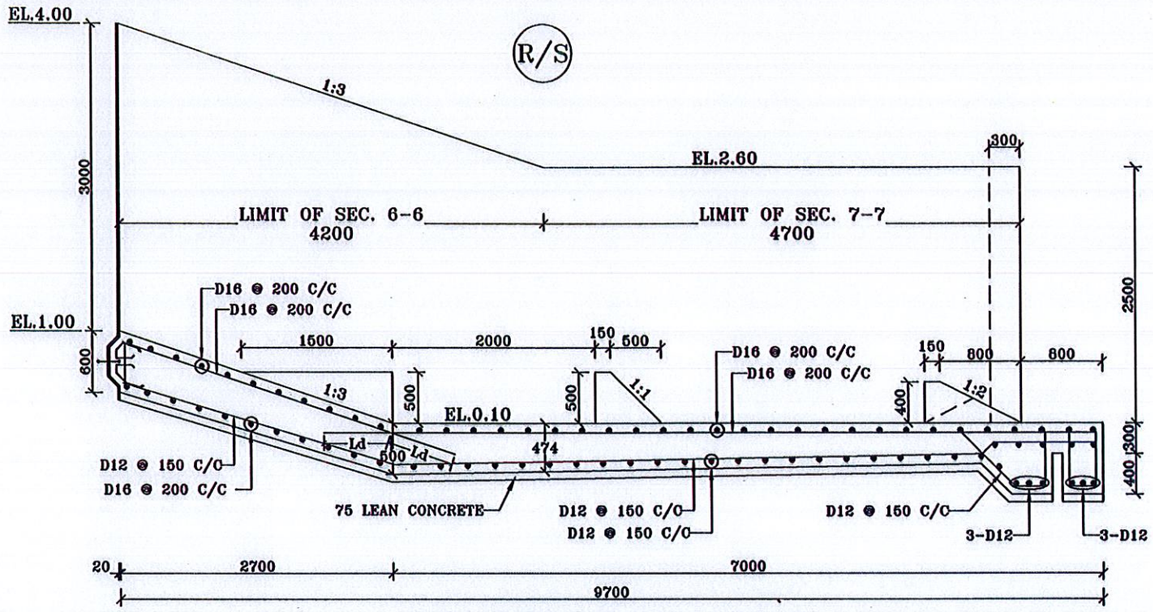
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

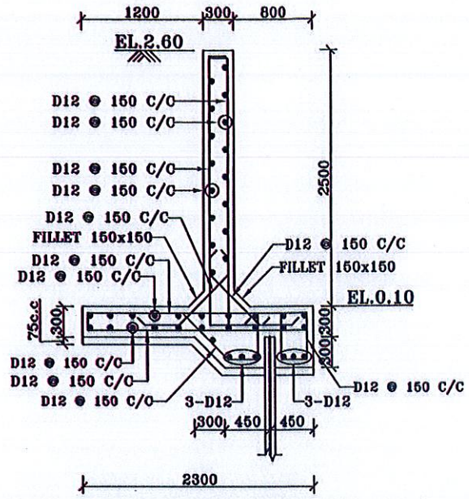
REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A), WING & RETURN WALL (C/S)

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

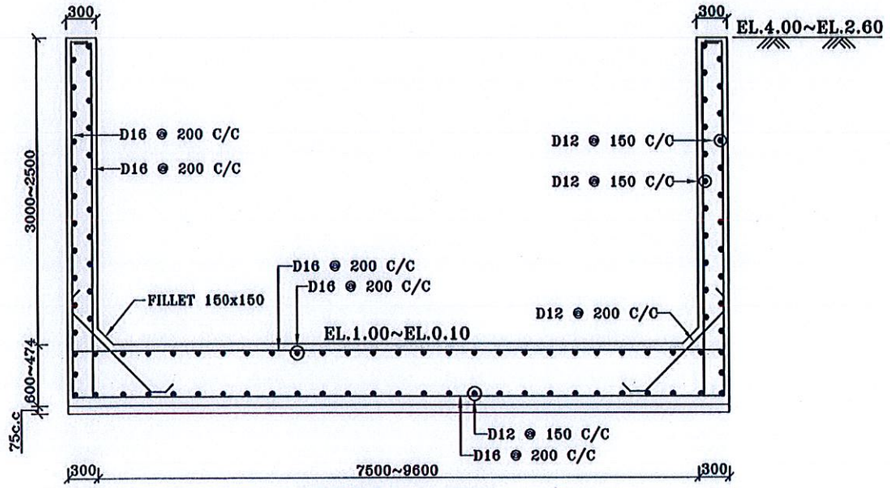
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 12/16 | 28 / 01 / 2018



LONG SECTION OF APRON SLAB (R/S)
(THROUGH A-A)



RETURN WALL (R/S)



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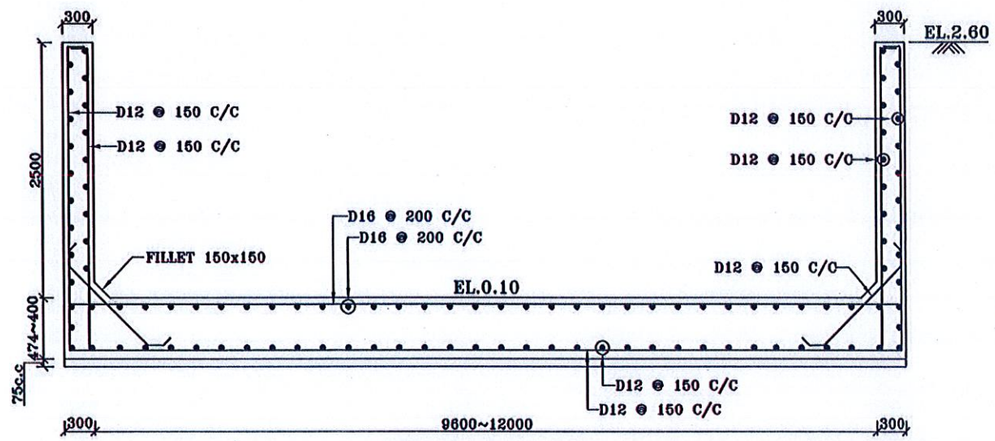

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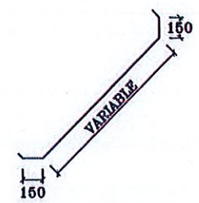

TYPICAL FILLET BAR

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
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AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

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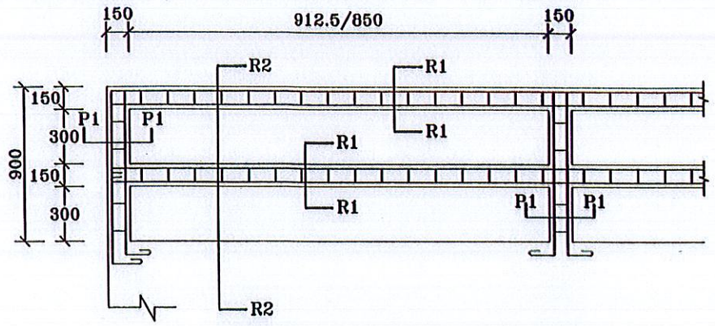
MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

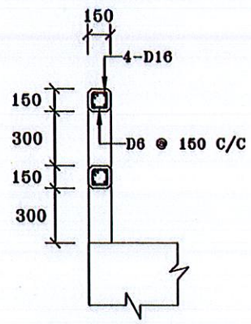
REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A), WING & RETURN WALL (R/S)

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

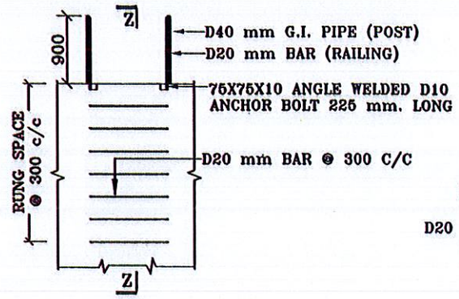
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 13/16 | 28 / 01 / 2018



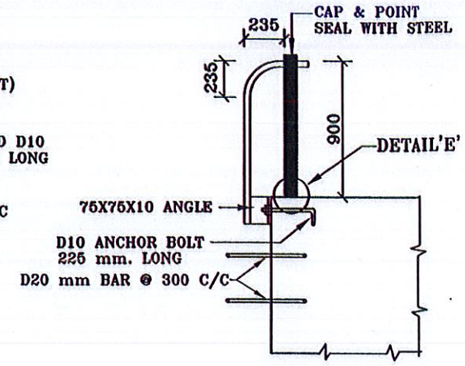
RAILING OF BARREL TOP SLAB



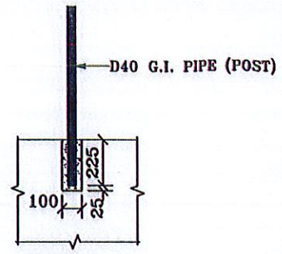
SECTION R2-R2



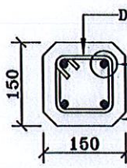
ELEVATION OF RUNG



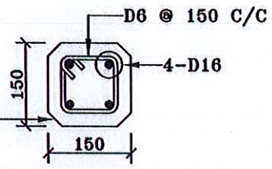
SECTION Z-Z



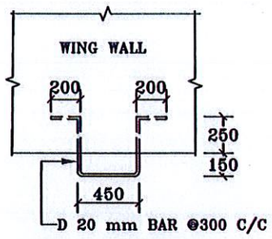
DETAIL 'E'



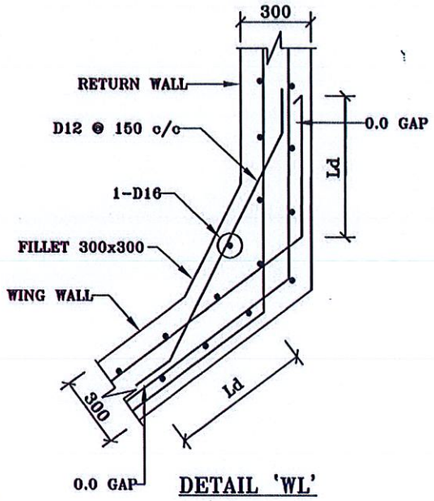
SECTION P1-P1



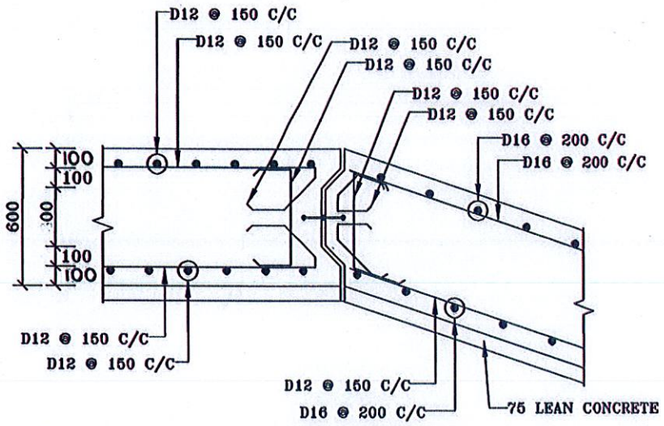
SECTION R1-R1



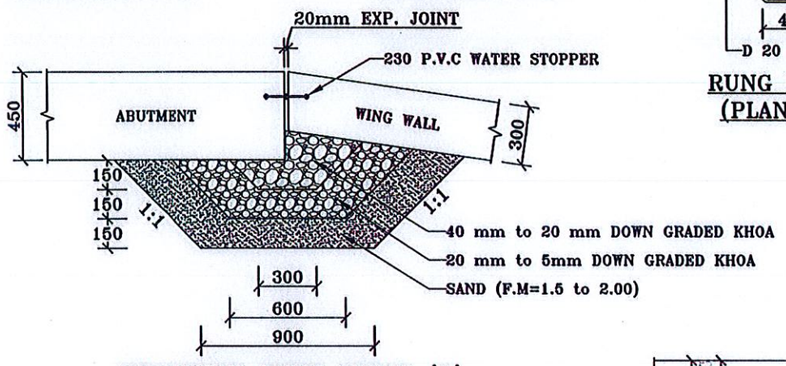
RUNG DETAILS (PLAN VIEW)



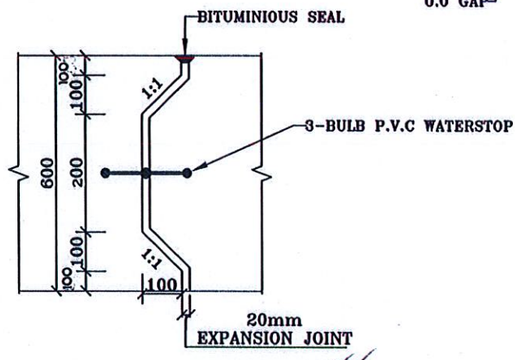
DETAIL 'WL'



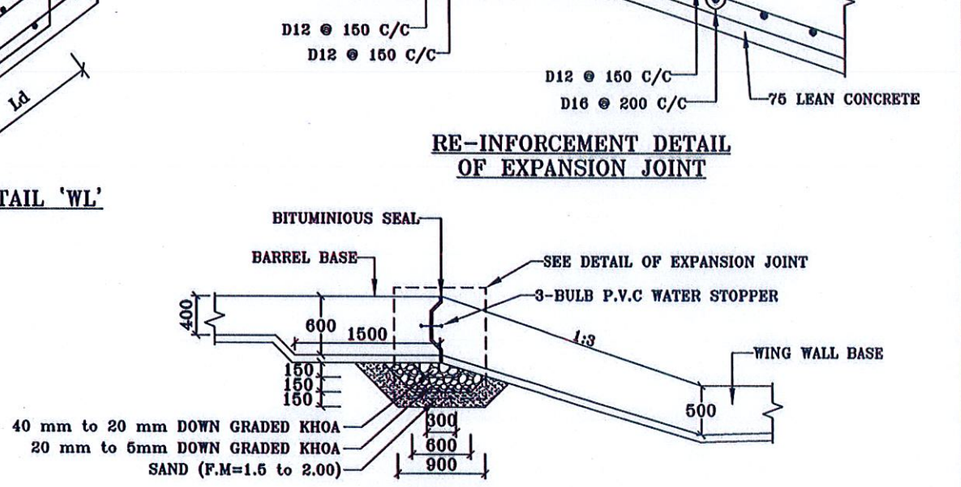
RE-INFORCEMENT DETAIL OF EXPANSION JOINT



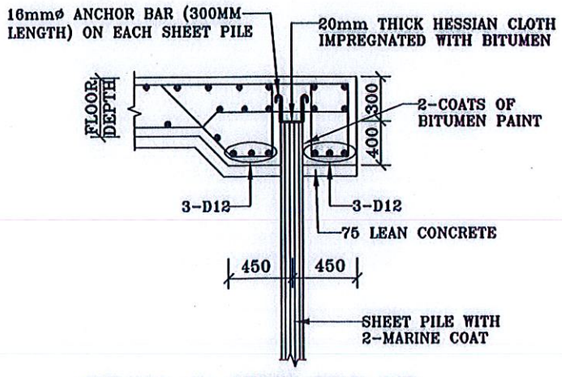
EXPANSION JOINT DETAIL 'Y' (SEE PLAN)



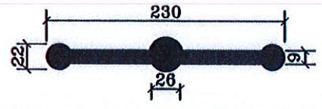
DETAIL OF EXPANSION JOINT



DETAIL 'Z' (SEALED EXPANSION JOINT)



DETAILS OF SHEET PILE CAP



DETAILS OF P.V.C. WATER STOPPER

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

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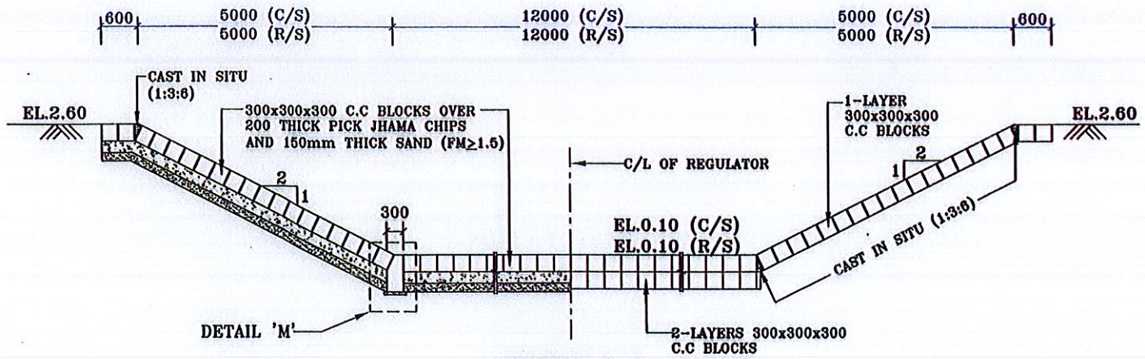
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

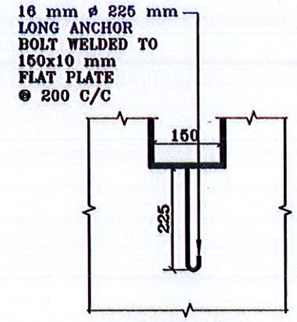
MISCELLANEOUS DETAILS-1

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Motaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

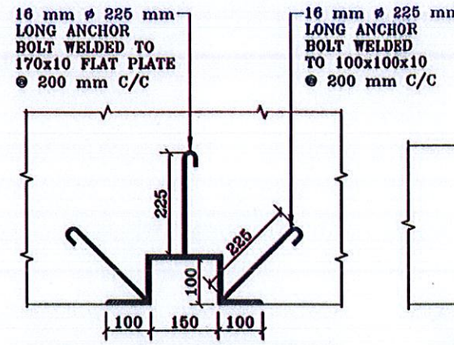
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 14/16 | 28 / 01 / 2018



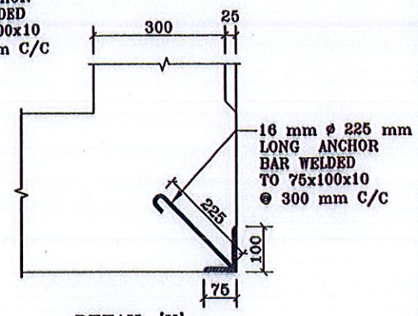
SECTION B-B
(SEE PLAN)



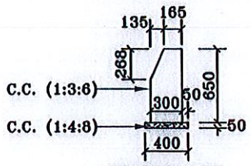
DETAIL 'H'
SEE SEC. A-A)



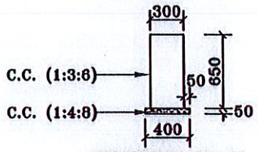
DETAILS 'W' (GATE GROOVE)
(SEE PLAN)



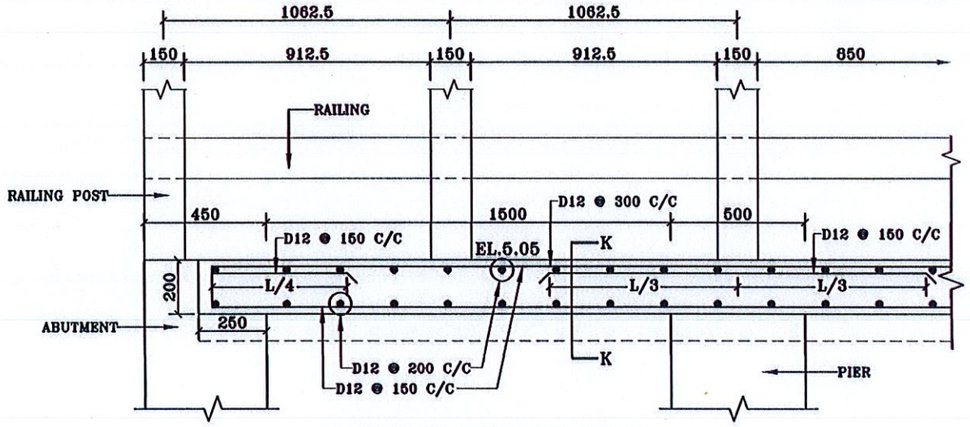
DETAIL 'X'
SEE SEC. A-A)



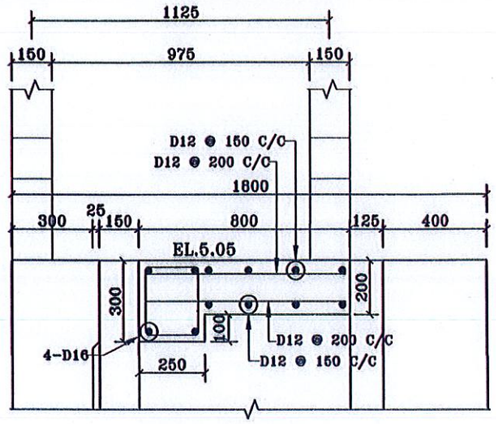
DETAIL 'M'



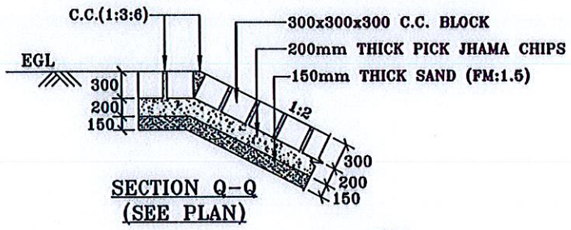
SECTION M-M
(SEE PLAN)



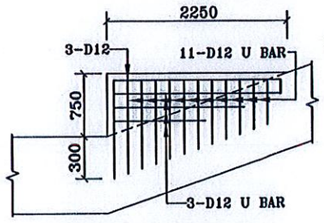
DETAILS OF OPERATING SLAB
FOR VERTICAL LIFT GATE



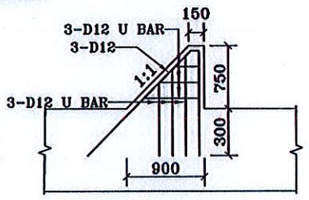
SECTION K-K



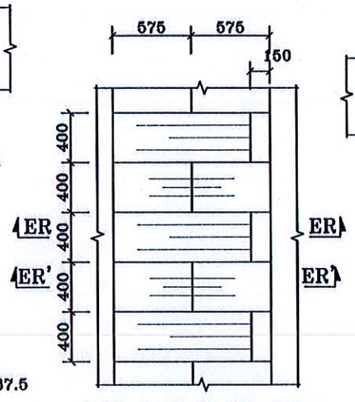
SECTION Q-Q
(SEE PLAN)



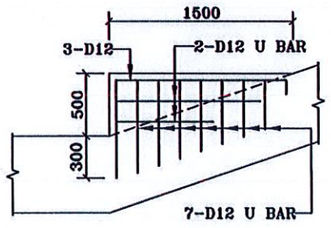
REINF. DETAILS OF
CHUTE BLOCK (C/S)



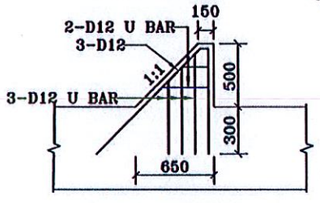
REINF. DETAILS OF
BAFFLE BLOCK (C/S)



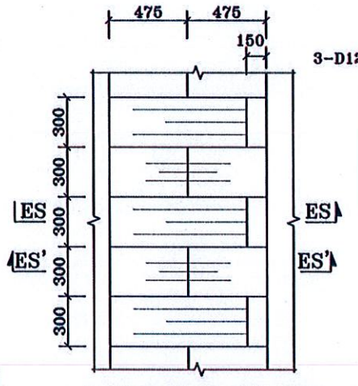
PART PLAN OF END SILLS
(C/S)



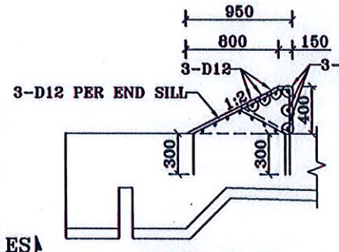
REINF. DETAILS OF
CHUTE BLOCK (R/S)



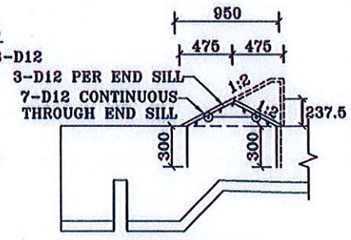
REINF. DETAILS OF
BAFFLE BLOCK (R/S)



PART PLAN OF END SILLS
(R/S)

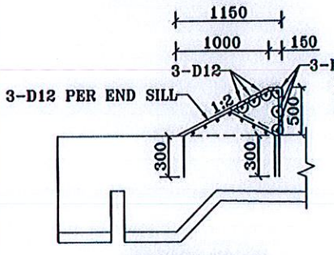


SECTION ES-ES

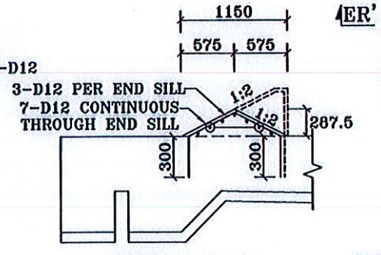


SECTION ES'-ES'

REINF. DETAILS OF END SILL (R/S)



SECTION ER-ER



SECTION ER'-ER'

REINF. DETAILS OF END SILL (C/S)

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	RECOMMENDED BY:
Kulsum Akter	A.S.M. Sayem	Jati Das Kunda	A.Q. Mohammad Ali
AUTO CAD OPERATOR	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2	CO-TEAM LEADER

BANGLADESH WATER DEVELOPMENT BOARD

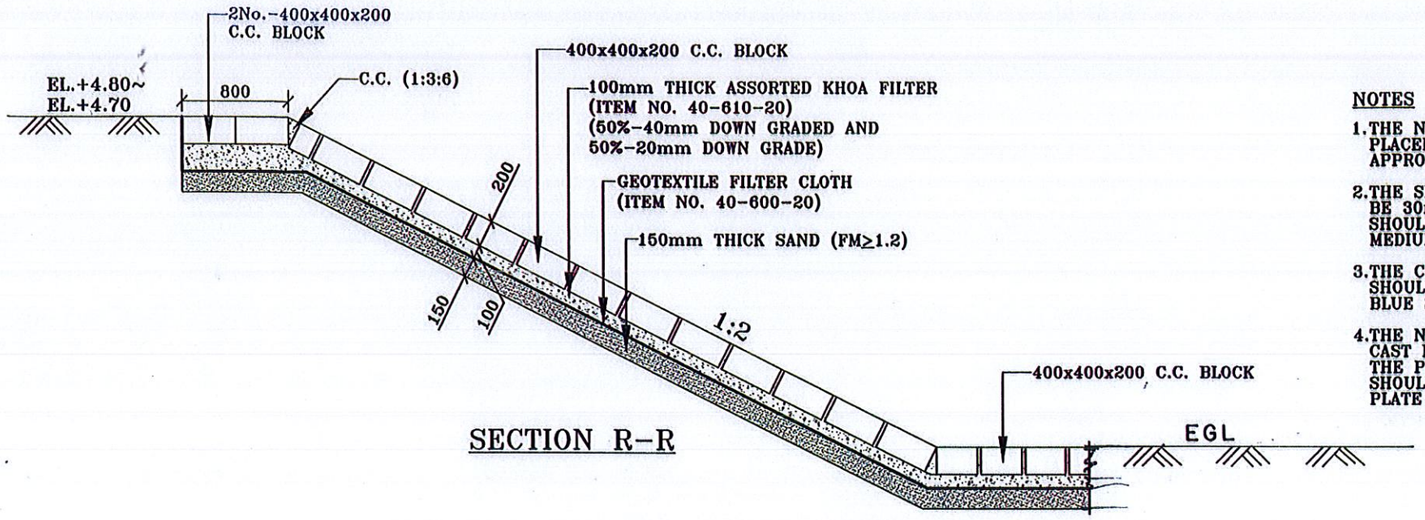
Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Livelihood Improvement Project (BWDB Part)

MAHARKONA REGULATOR (4V-1.5m x 1.8m) AT KM 1.64
OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

MISCELLANEOUS DETAILS-2

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

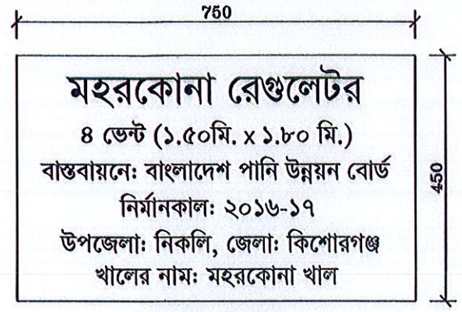
DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 15/16 | 28 / 01 / 2018



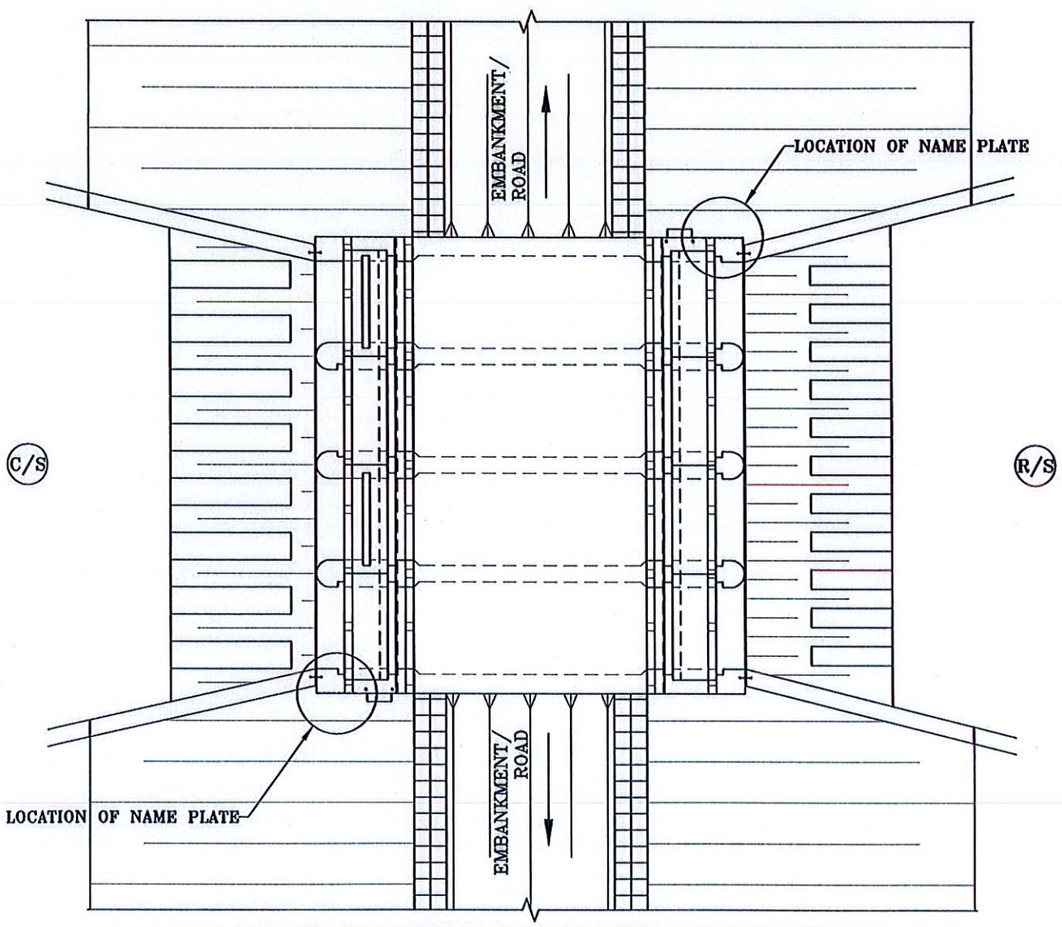
SECTION R-R

NOTES

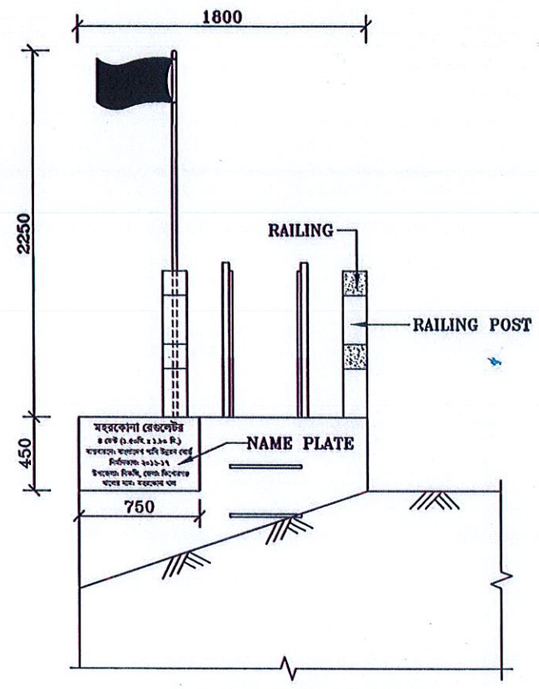
1. THE NAME PLATE SHALL BE PLACED AT THE SIDE OF BOTH APPROACHES.
2. THE SIZE OF LETTER SHOULD BE 30mm TO 40mm & IT SHOULD BE ENGRAVED IN THE MEDIUM BLUE SURFACE.
3. THE COLOR OF THE LETTER SHOULD BE WHITE MEDIUM BLUE SURFACE.
4. THE NAME PLATE SHOULD BE CAST MONOLITHICALLY WITH THE POST AND THE WRITINGS SHOULD BE WRITTEN ON THE PLATE AFTER PLASTERING.



NAME PLATE



PLAN SHOWING NAME PLATE LOCATION ON REGULATOR



ELEVATION (C/S) & (R/S)

Scale: As shown

NO.	DATE	MADE	CHKD.	RECOM.	APPV.
2					
1					

REVISION

CONSULTANTS: Nippon Koei Co; Ltd (NK), Joint Venture with BETS-CNRS

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OF NOAPARA HAOR SUB-PROJECT
UNDER KISHOREGANJ WD DIVISION, BWDB, KISHOREGANJ

DETAILS OF NAME PLATE

CHECKED BY:	RECOMMENDED BY:	APPROVED BY:
Dr. Muhammad Masood	Md. Abdul Basit	28.01.18 Molaher Hossain
EE, DESIGN CIRCLE - 1	SE, DESIGN CIRCLE - 1	CE , DESIGN

DWG. NO: KISHORE-NOAPARA/ MAHARKONA/ REG - 1808 | SHEET: 16/16 | 28 / 01 / 2018