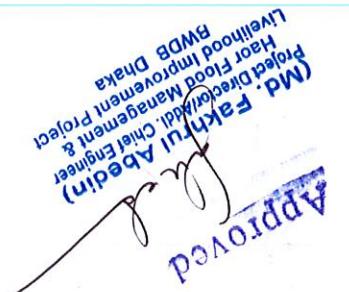


JANUARY, 2018

BANGLADESH WATER DEVELOPMENT BOARD  
Consultancy Services for Management, Design, Supervision and other Related Services  
of Haor Flood Management and Livelihood Improvement Project (BWD Part)  
**DAKSHINER HAOR SUB-PROJECT**  
DETAIL DRAWINGS  
OF  
SHANKIR REGULATOR (5V-1.5m x 1.8m) AT KM 23.46  
OF DAKSHINER HAOR SUB-PROJECT  
UNDER KISHOREGANJ WD DIVISION, BWD, KISHOREGANJ



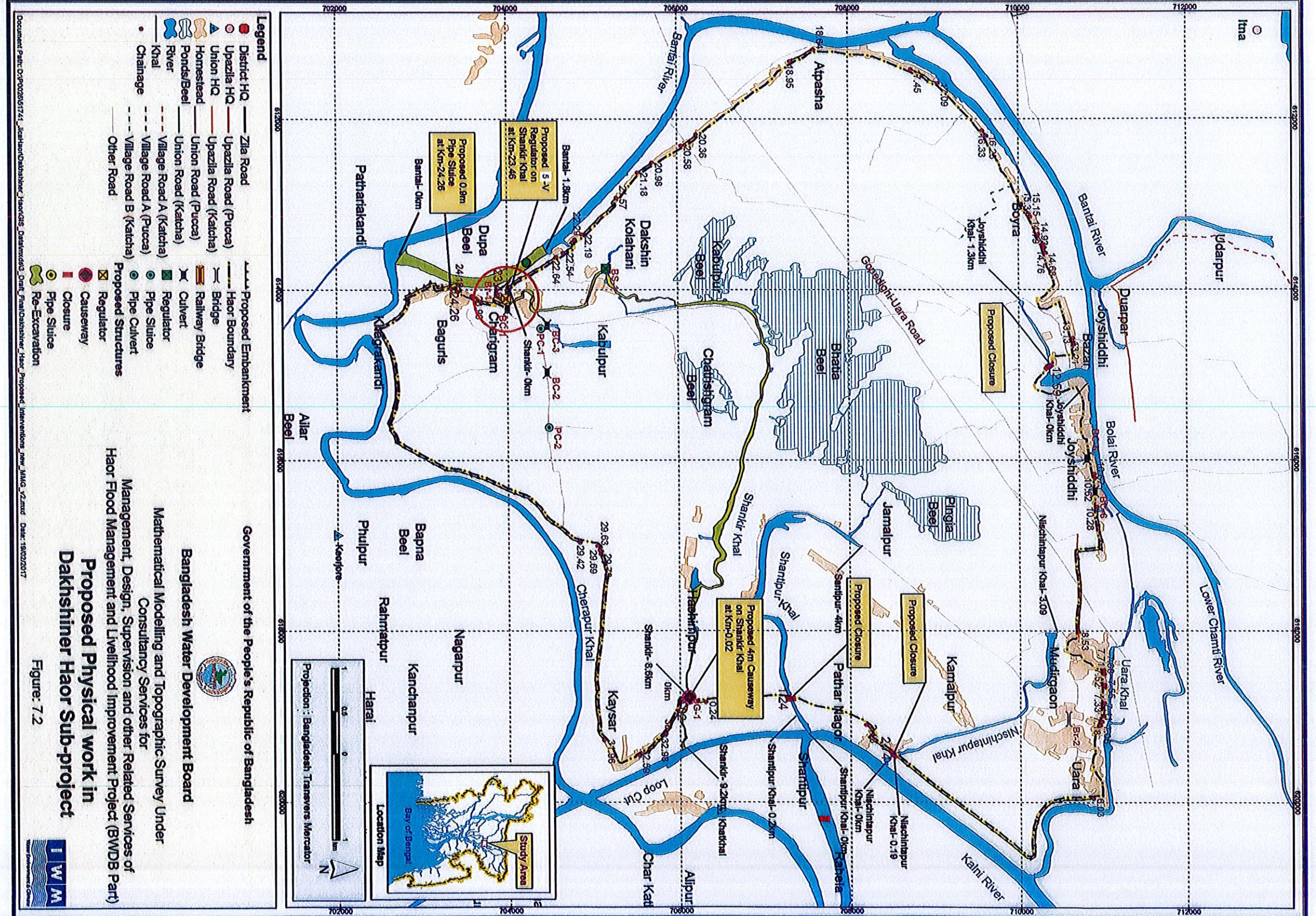
**BANGLADESH WATER DEVELOPMENT BOARD**

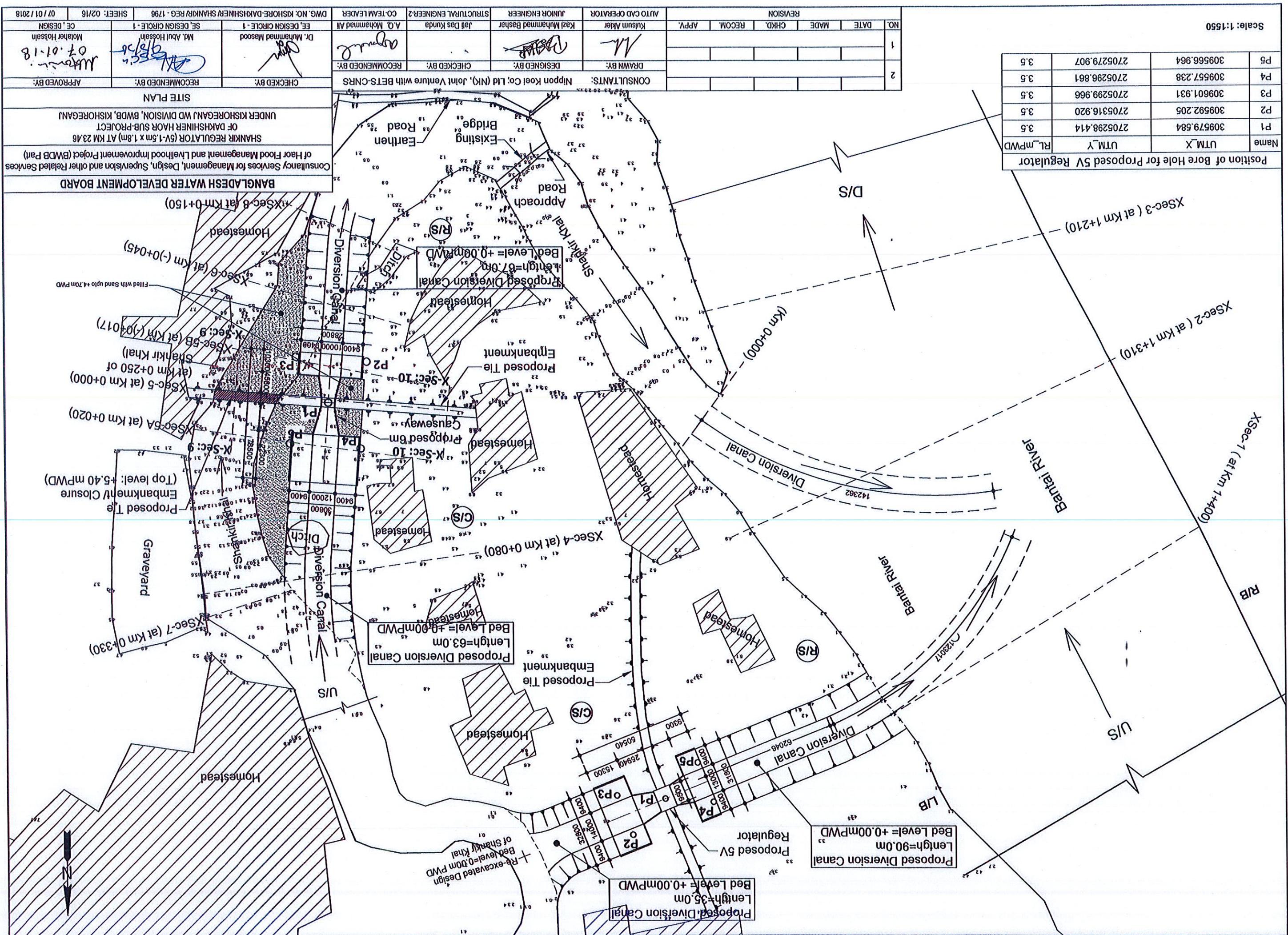
SL. NO.	DRAWING TITLE	HEET NO.
1	INDEX MAP	01
2	SITE PLAN	02, 02a, 02b
3	CROSS SECTIONS OF BANTAI RIVER AT OUTFALL OF STRUCTURE	03
4	CROSS SECTIONS OF DIVERSION CANAL & SHANKIR KHAL	04
5	CROSS SECTIONS & DETAILS OF CLOSURE	05
6	BORE LOG	06, 07
7	GENERAL NOTES	08
8	PLAN AND LONG SECTION	09
9	REINFORCEMENT DETAILS OF CENTRAL PART	10
10	REINFORCEMENT DETAILS OF ABUTMENT & HEAD WALL IN PLAN	11
11	REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A), WING & RETURN WALL (C/S)	12
12	REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A), WING & RETURN WALL (R/S)	13
13	MISCELLANEOUS DETAILS-1	14
14	MISCELLANEOUS DETAILS-2	15
15	DETAILS OF NAME PLATE	16

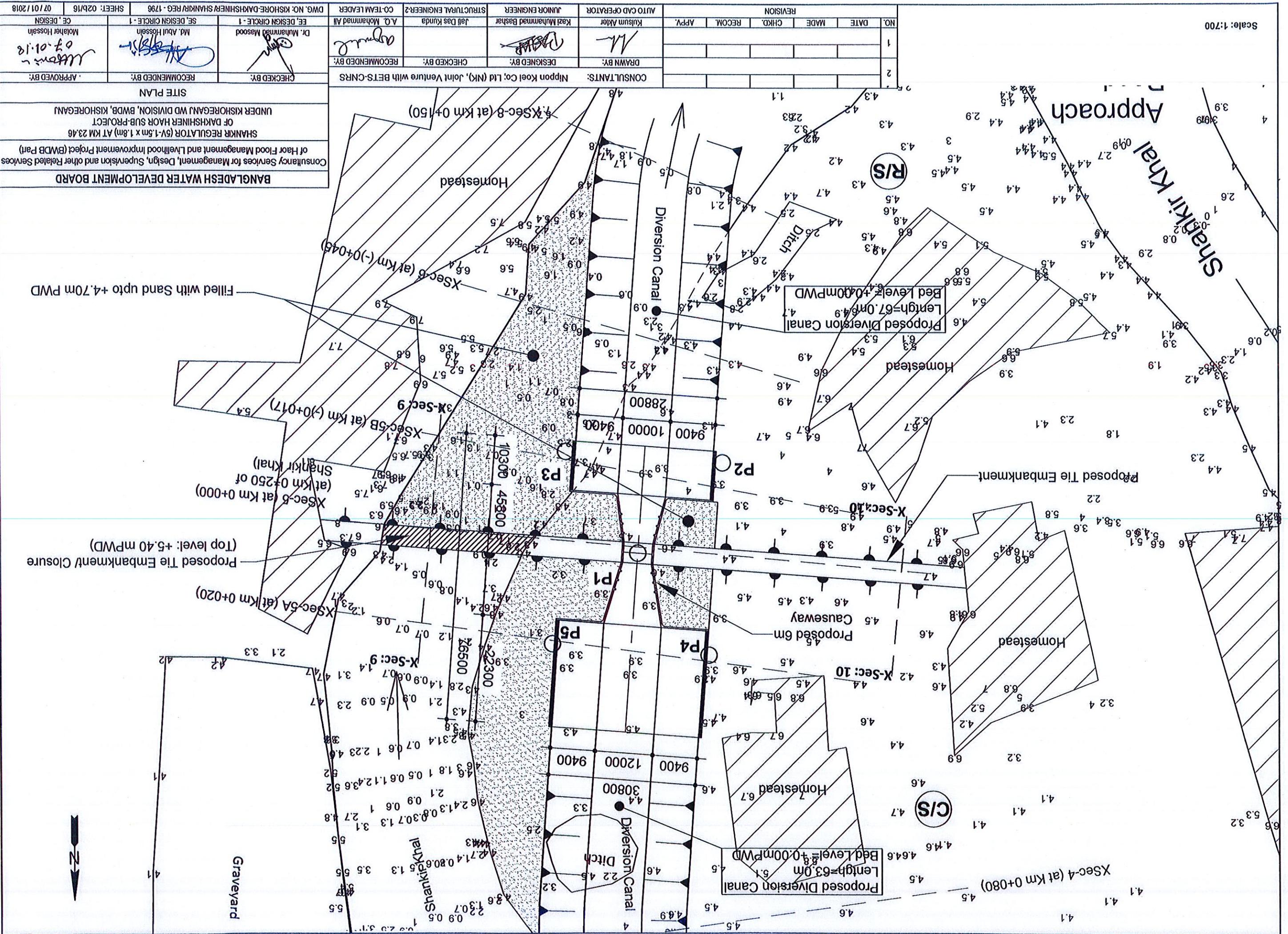
## LIST OF DRAWING

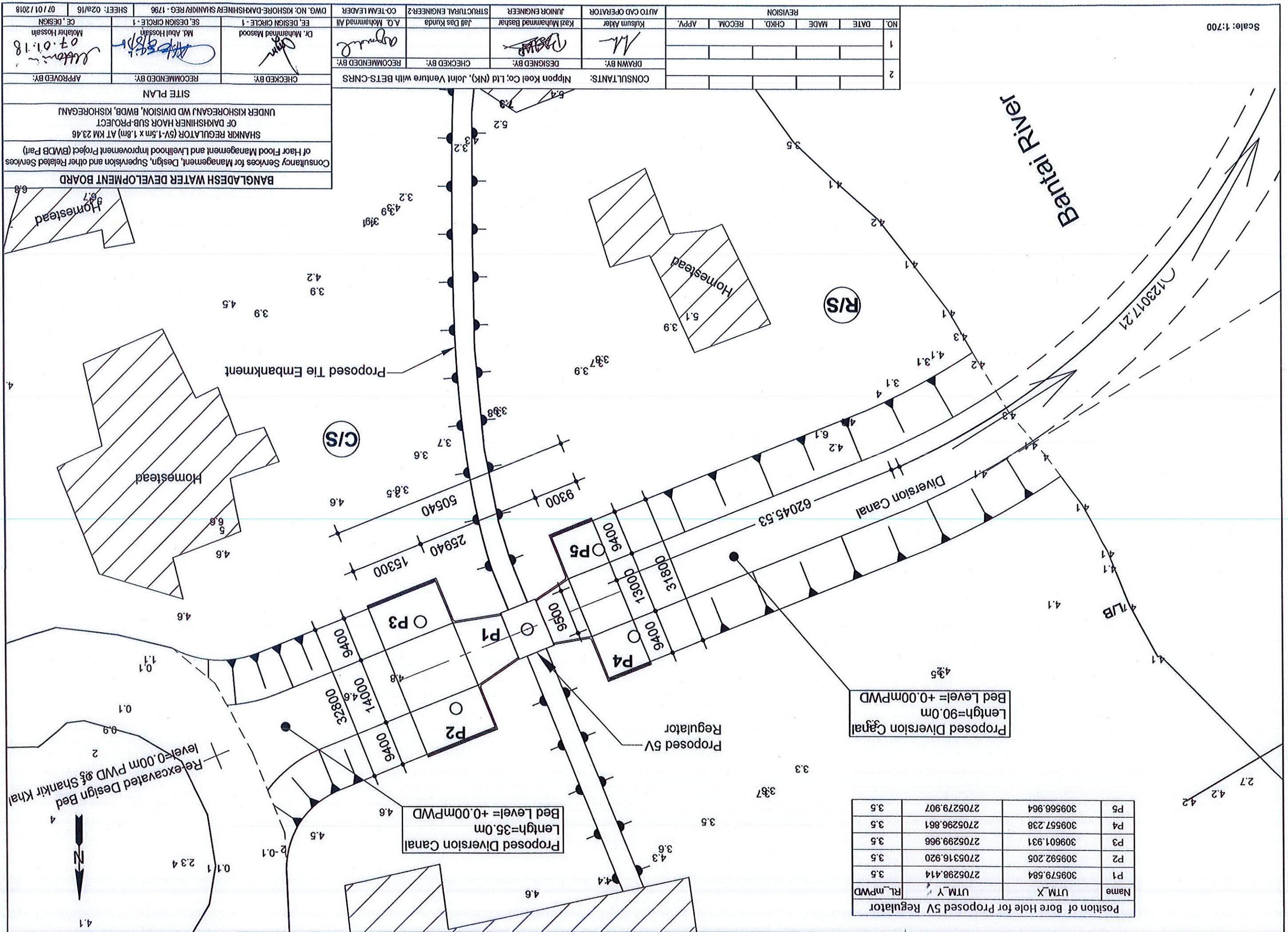
CONSULTANTS: Nippon Keel Co. Ltd (NKL) Joint Venture with BETS-CNRs											
CHIEF ENGINEER: DRAWN BY: DESIGNED BY: CHECKED BY: APPROVED BY:											
DESIGNER: Kazi Muhammad Basher Jai Das Kundu Md. Abu Hassan DR. Md. Mominuddin Mousood											
STRUCTURAL ENGINEER: Kazi Sumon Alier Md. Abu Hassan											
MECHANICAL ENGINEER: Md. Aminul Haque Md. Abu Hassan											
ELECTRICAL ENGINEER: Md. Aminul Haque Md. Abu Hassan											
CE, DESIGN CIRCLE: 1											
DWG. NO: KSHPRE-DAKSHINER HAOR REG-1796 SHEET: 01/16 07/01/2018											
Scale: As shown											

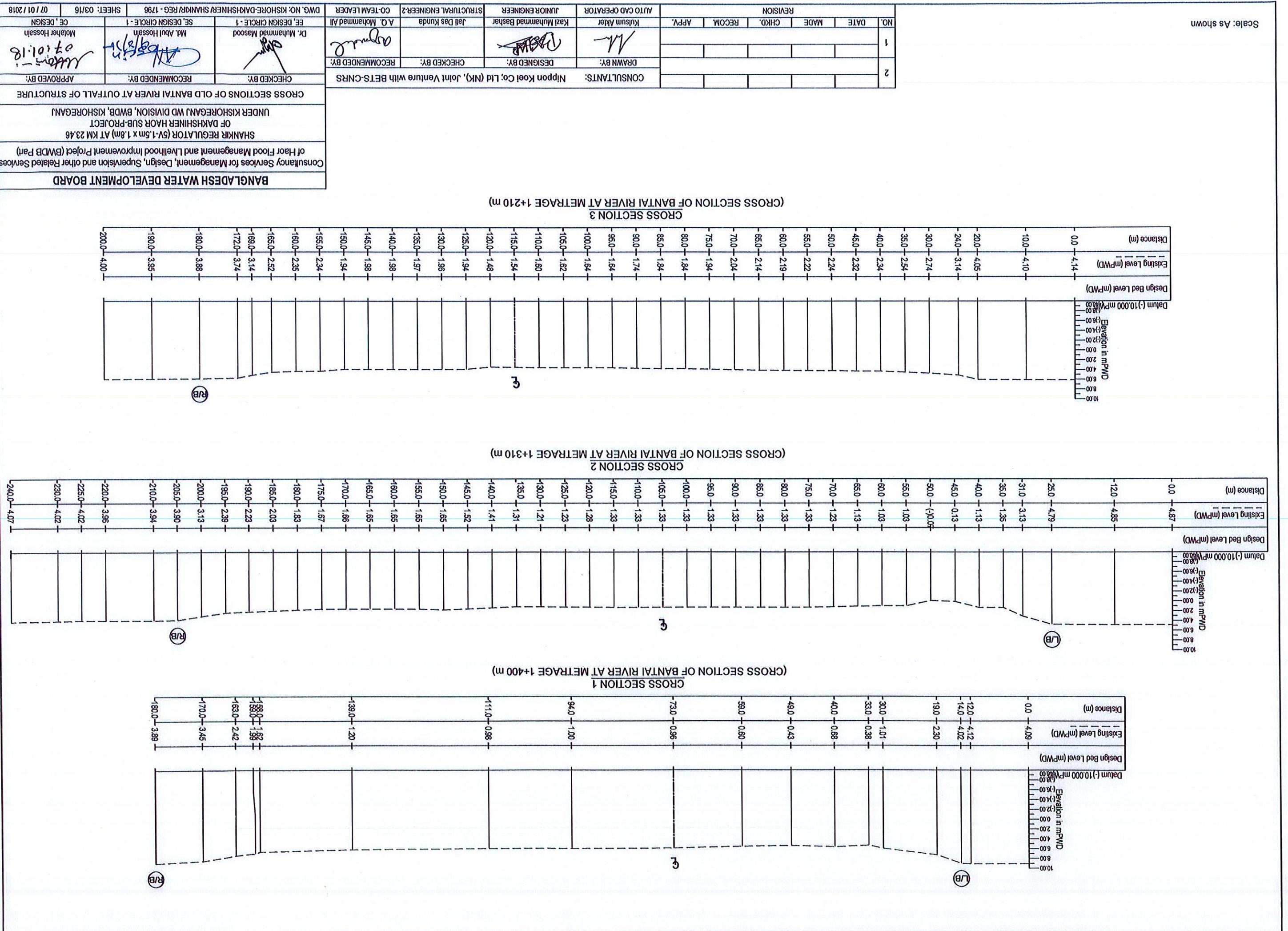
INDEX MAP  
UNDER KISHOREGANJ DIVISION, BWDB, KISHOREGANJ  
OF DAKSHINER HAOR SUB-PROJECT  
SHANIKR REGULATOR (5V-1.5m x 1.8m) AT KM 23.46  
of Haor Flood Management and Livelihood Improvement Project (BWDB Part)  
Consultancy Services for Management, Design, Supervision and other Related Services  
of Haor Flood Management, Design, Supervision and other Related Services

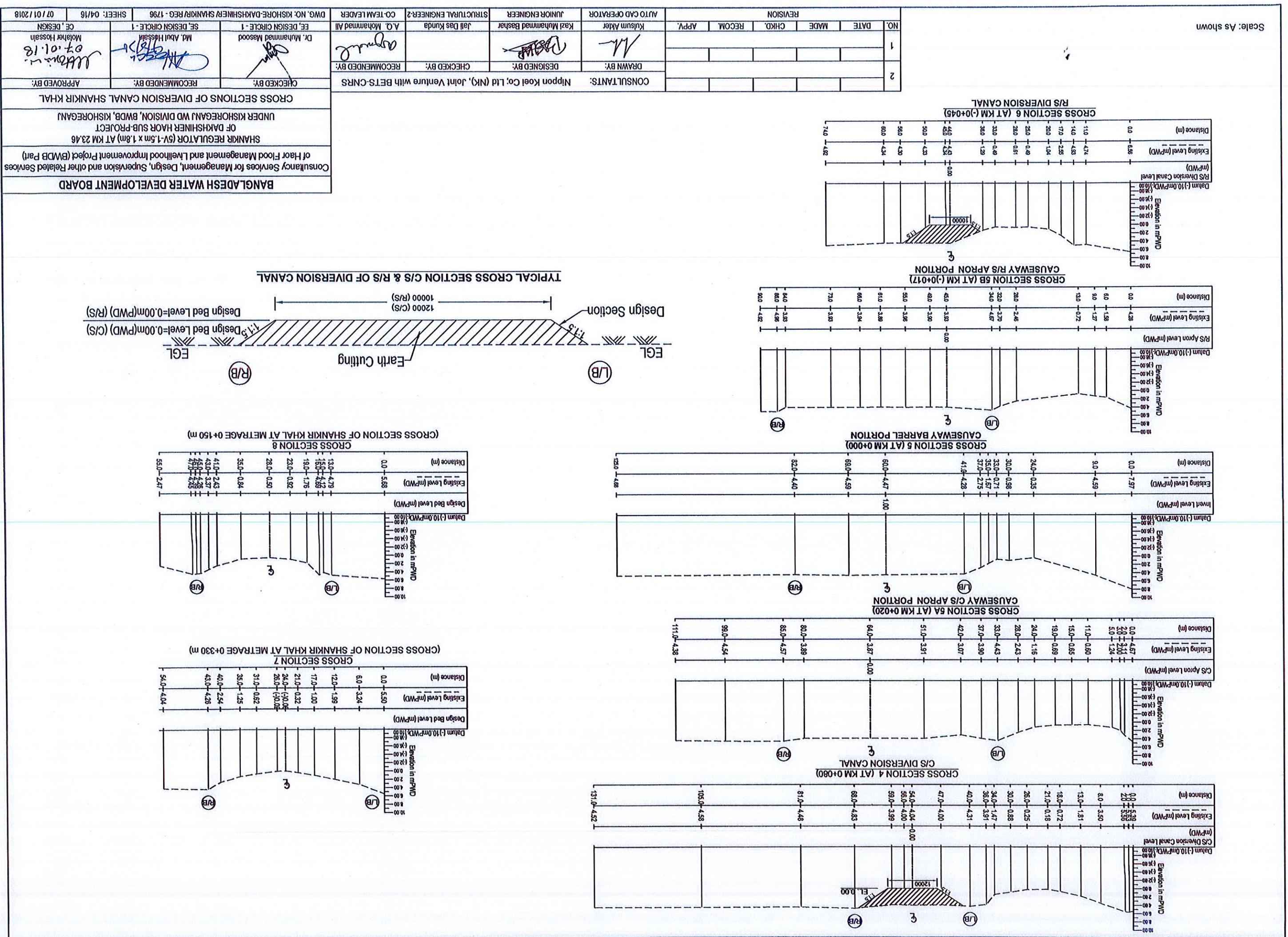


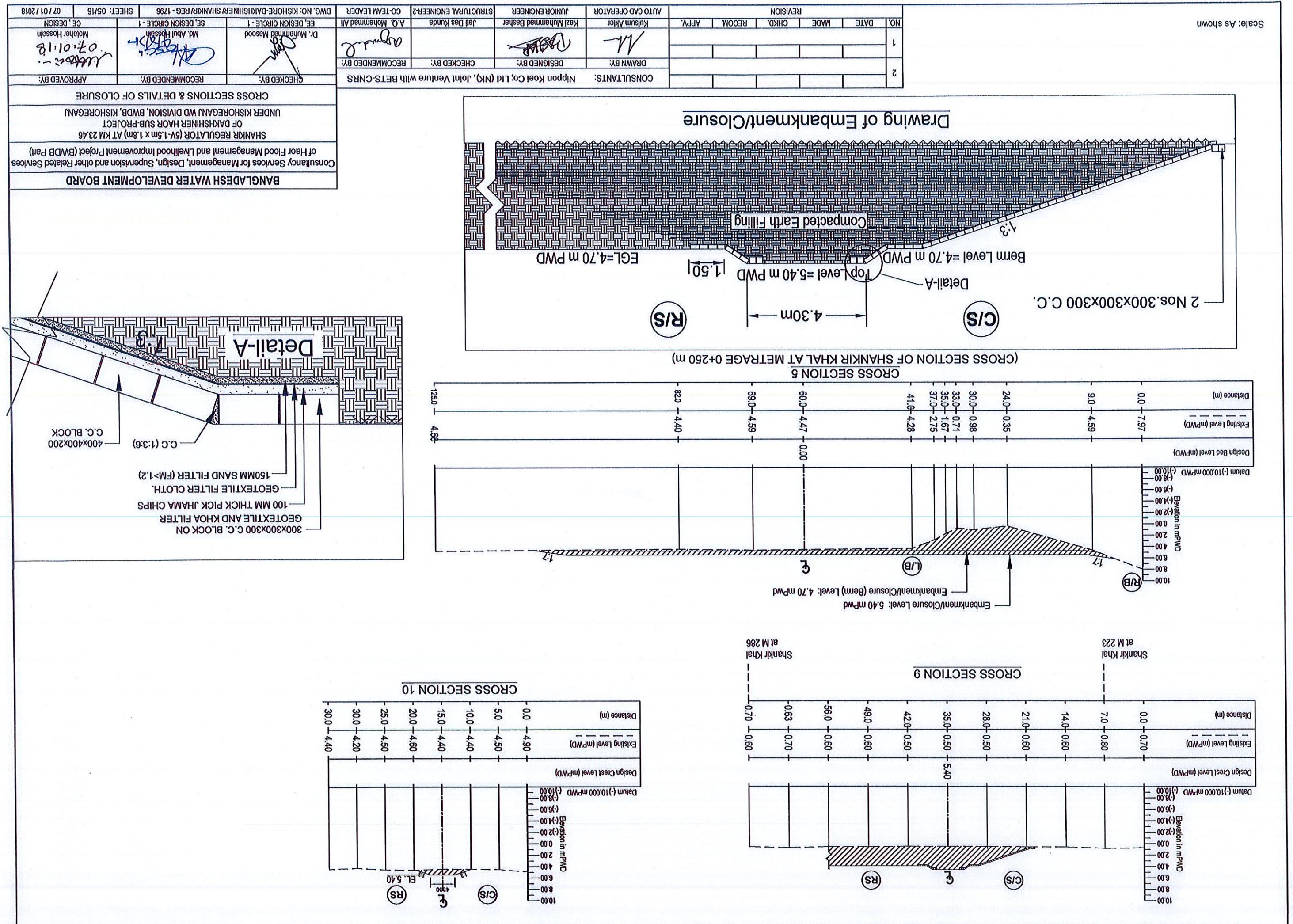




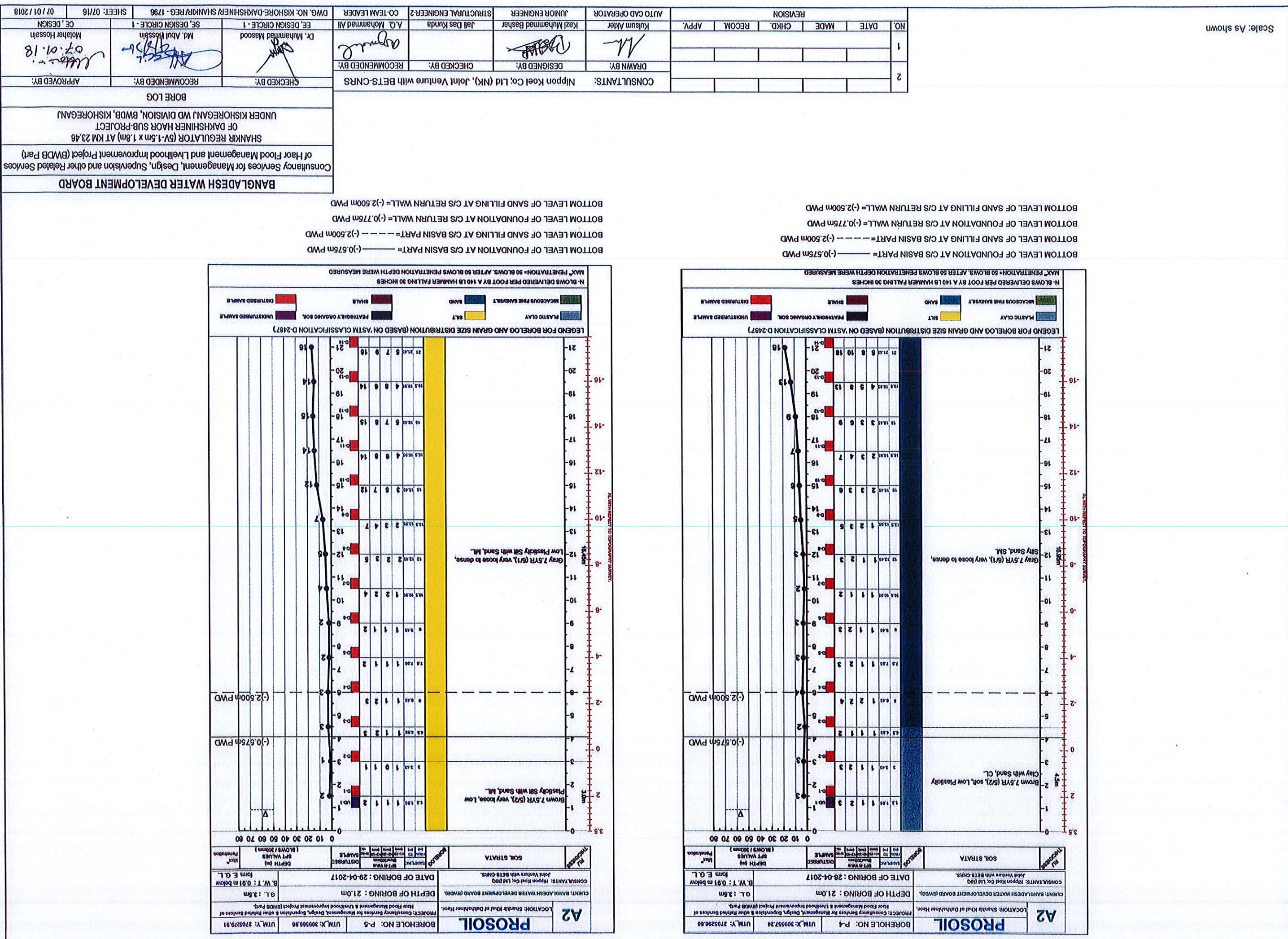




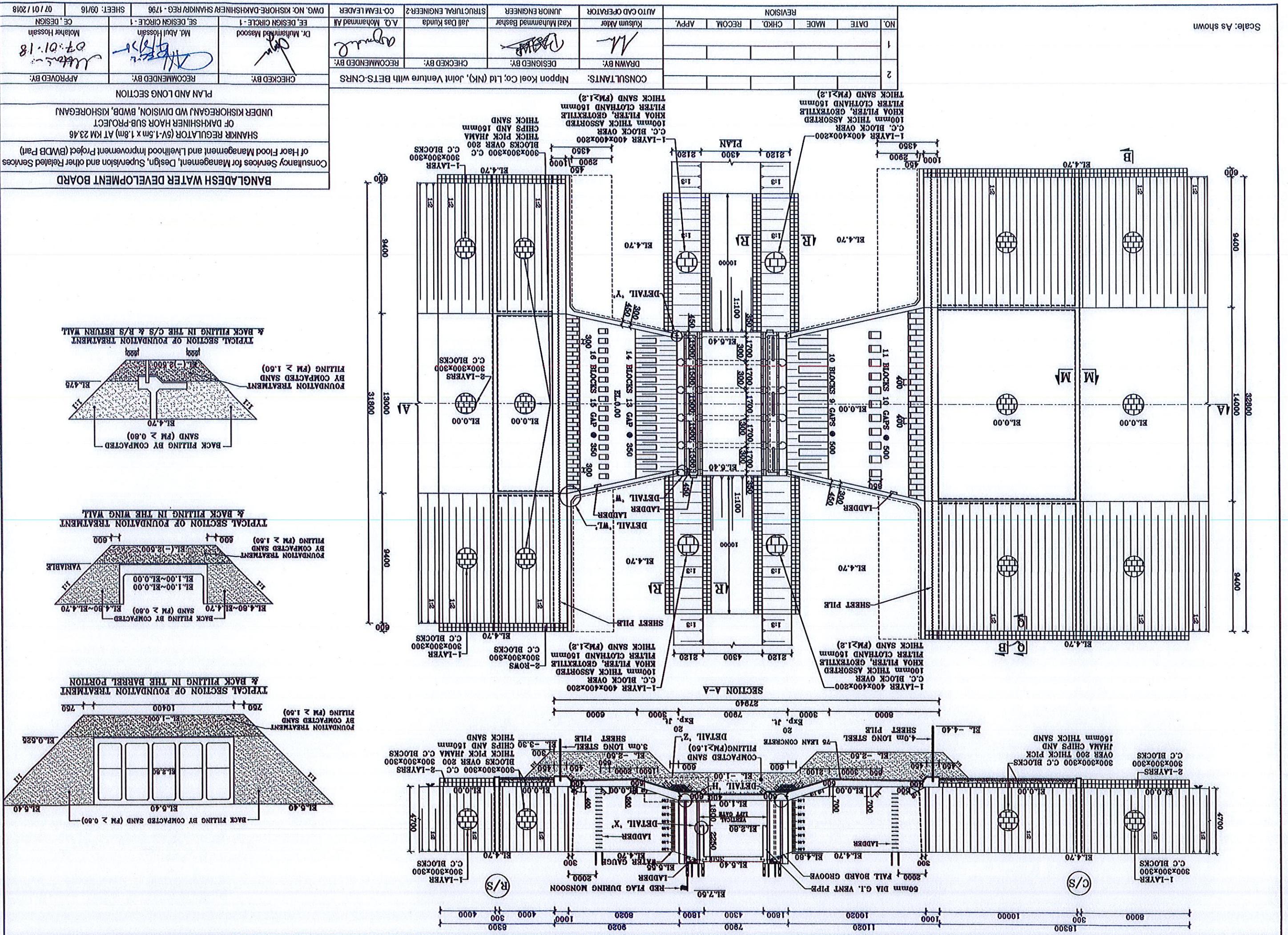






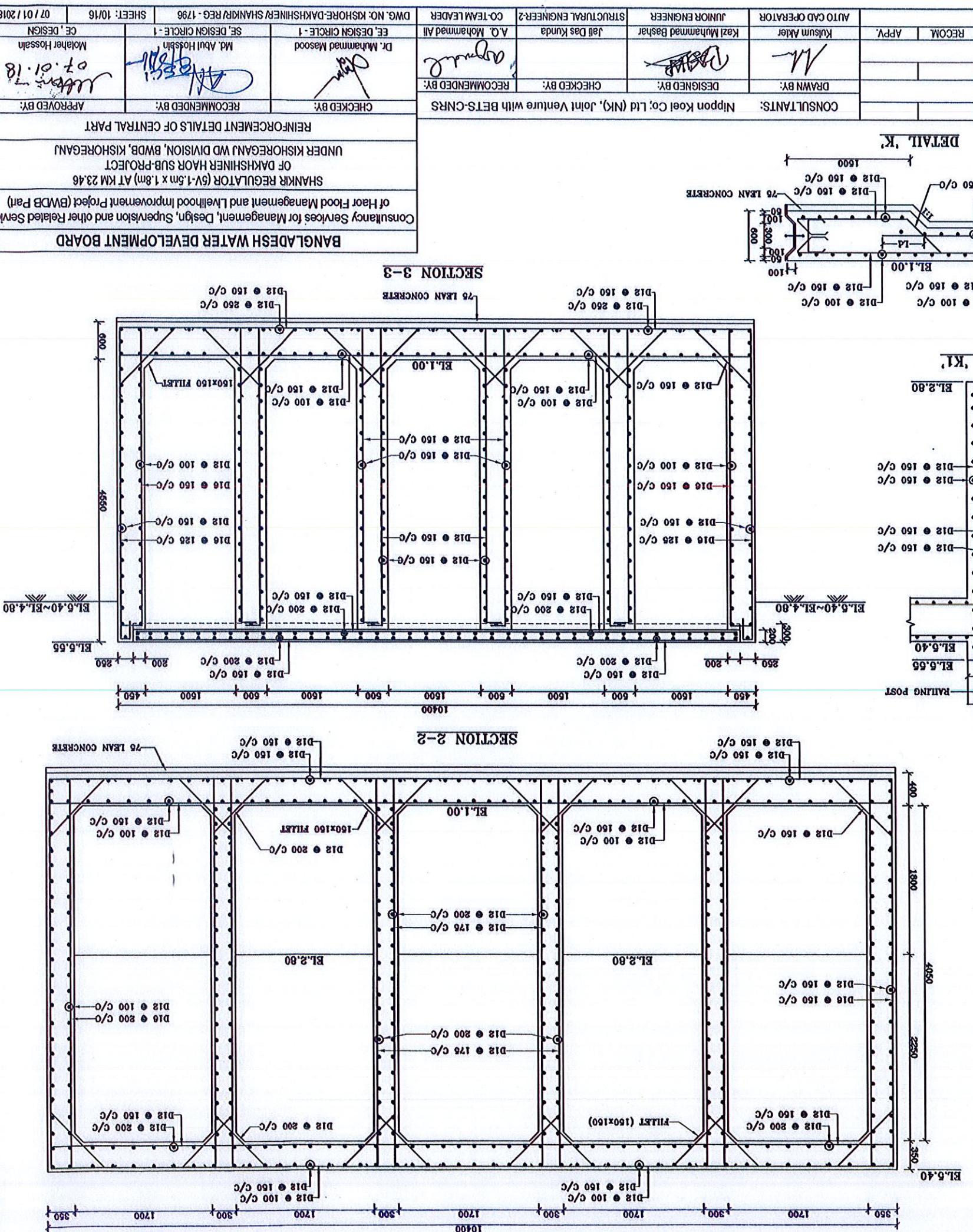
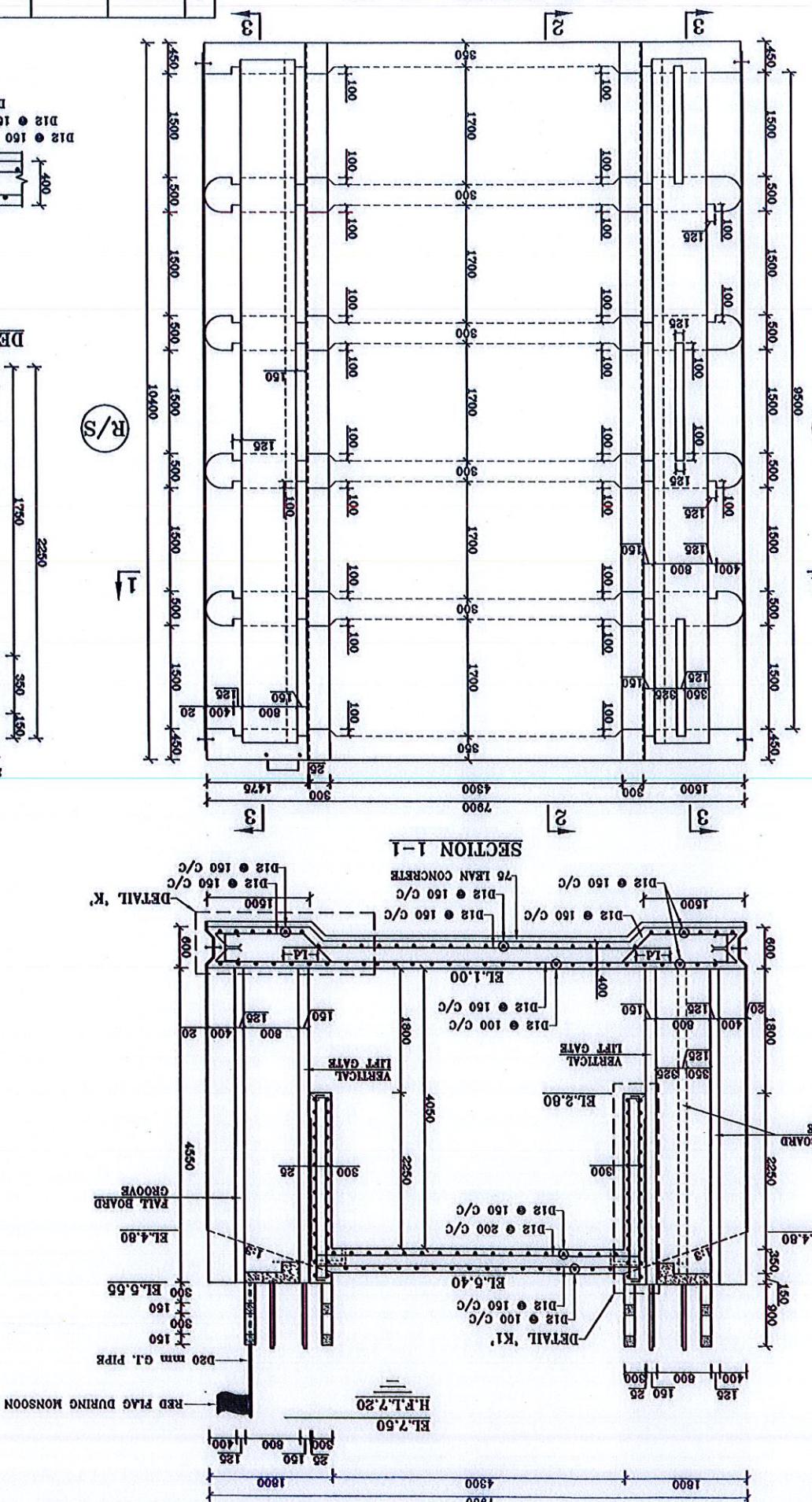






Scale: As shown

## PLAN OF ABUTMENT AND PIPE



NO.	DATE	MADE	CHKD	RECOM	APPLY	REVISION	DWG. NO.	KISHORE-DARKSHINEER SHANKR/REG-1796	SHEET: 10/16	07/01/2018
1							EE DESIGNER	JUNIOR ENGINEER	STRUCTURAL ENGINEER	CO-TEAM LEADER
2							A.Q. Mohammad Basheer	Jafir Das Kundu	Kulsum Ahsan	MD. Abu Hasnain
3							RECOMMENDED BY:	RECOMMENDED BY:	RECOMMENDED BY:	RECOMMENDED BY:
4							Mr. Md. Ahsan	Mr. Md. Ahsan	Mr. Md. Ahsan	Mr. Md. Ahsan

CONSULTANTS: Nippon Koei Co., Ltd (NK), Joint Venture with BETS-CNRs  
REINFORCEMENT DETAILS OF CENTRAL PART  
RECOMMENDED BY:  
APPROVED BY:  
CHECKED BY:  
RECOMMENDED BY:  
APPROVED BY:  
DRAWN BY:  
DESIGNED BY:  
RECOMMENDED BY:  
APPROVED BY:  
CONTRACTOR: DR. Mohammad Masood  
DESIGNER: Md. Ahsan

REMARKS: UNDER KISHOREGANJ MD DIVISION, WDB, KISHOREGANJ  
OF DARKSHINEER HAOR SUB-PROJECT  
SHANKR REGULATOR (5V-1.5M X 1.8M AT KM 23.46  
Consultancy Services for Management, Design, Supervision and other Related Services  
of Haor Flood Management, Design, Supervision and other Related Services  
BANGLADESH WATER DEVELOPMENT BOARD

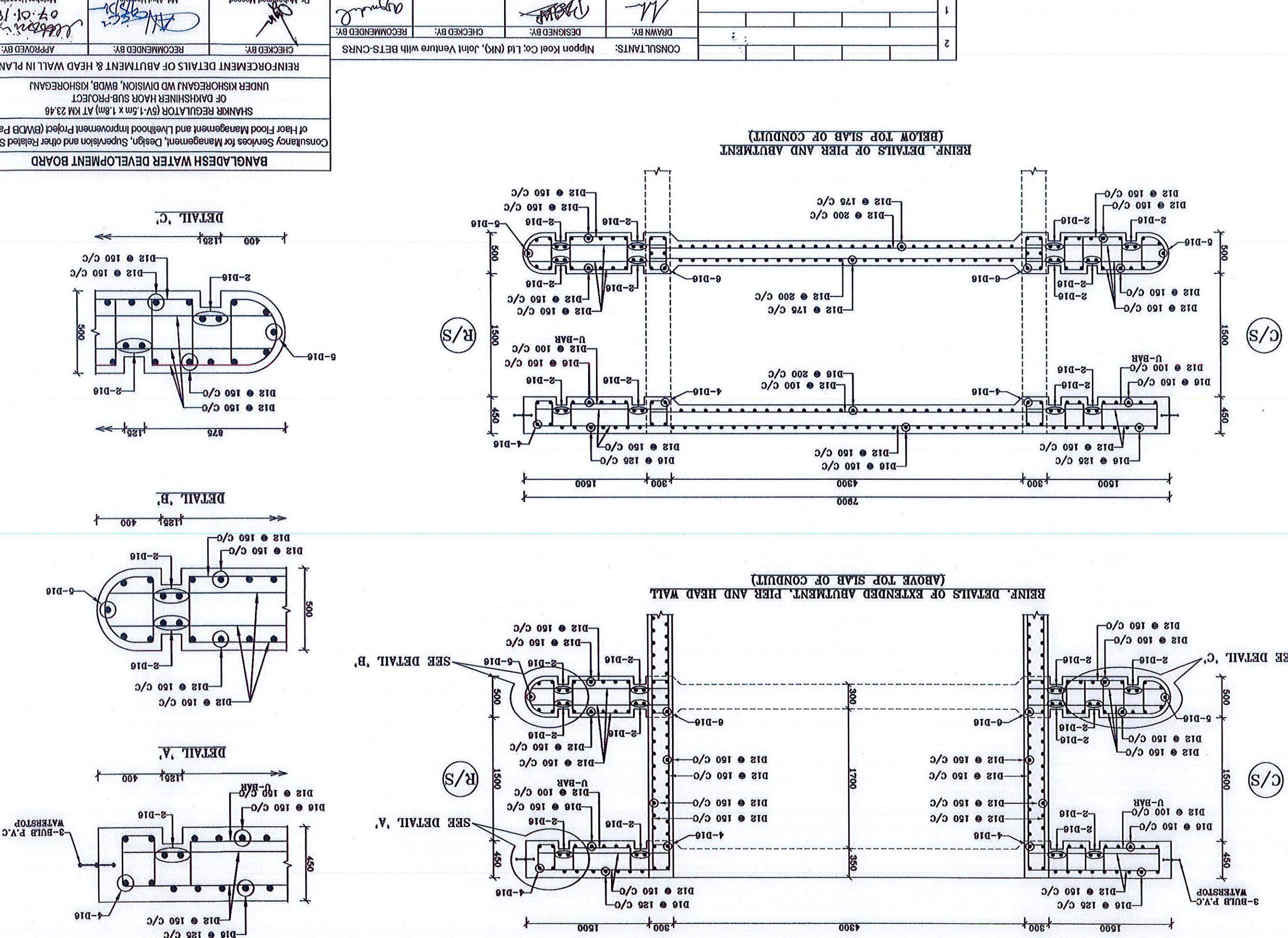
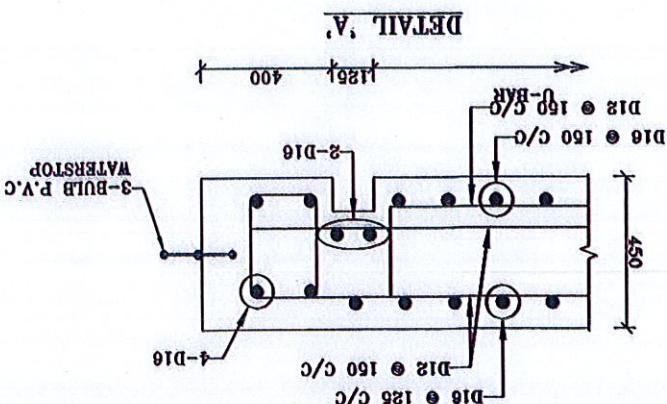
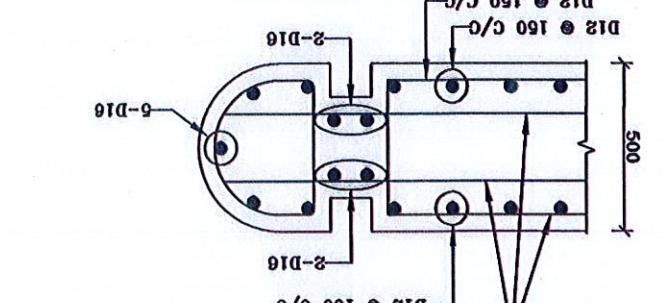
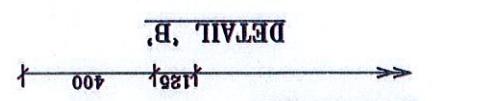
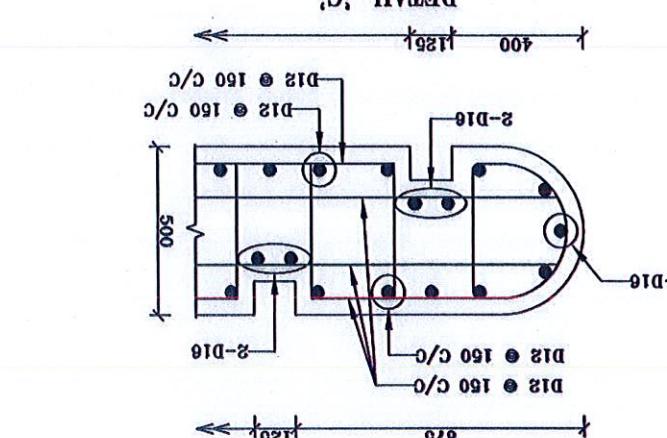
Scale: As shown

REINFORCING DETAILS OF ABUTMENT & HEAD WALL IN PLAN					
(Nippon Koei Co., Ltd (NK), Joint Venture with BETS-CNRs)					
NO.	DATE	MADE	CHKD	RECOM	REVISION
1			Kazi Mohammad Basdar	A.Q. Mohammmed Ali	EE DESIGN BY: A.Q. Mohammmed Ali STRUCTURAL ENGINEER: Md. Abu Hassan JUNIOR ENGINEER: Md. Abu Hassan CO-TEAM LEADER: Md. Abu Hassan DESIGN CIRCLE: 1 SE, DESIGN CIRCLE: 1 CE, DESIGN
2			Jafid Das Kundu		

07/01/2018  
07/01/2018  
07/01/2018  
07/01/2018

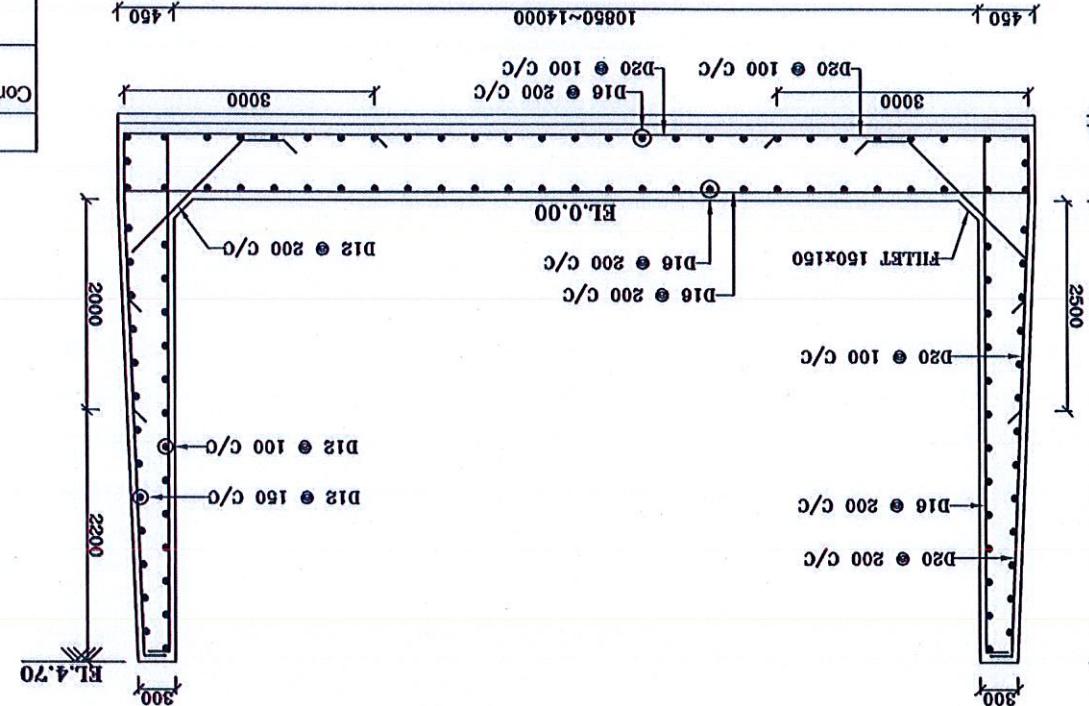
SHANK REGULATOR (5V-1.5m x 1.8m) AT KM 23.46  
OF DARKSHINE HABR SUB-PROJECT  
UNDER KISHOREGANJ WD DIVISION, WBDB, KISHOREGANJ  
Consultancy Services for Management, Design, Supervision and other Related Services  
of Har Flood Management, Design, Supervision and other Related Services

### BANGLADESH WATER DEVELOPMENT BOARD

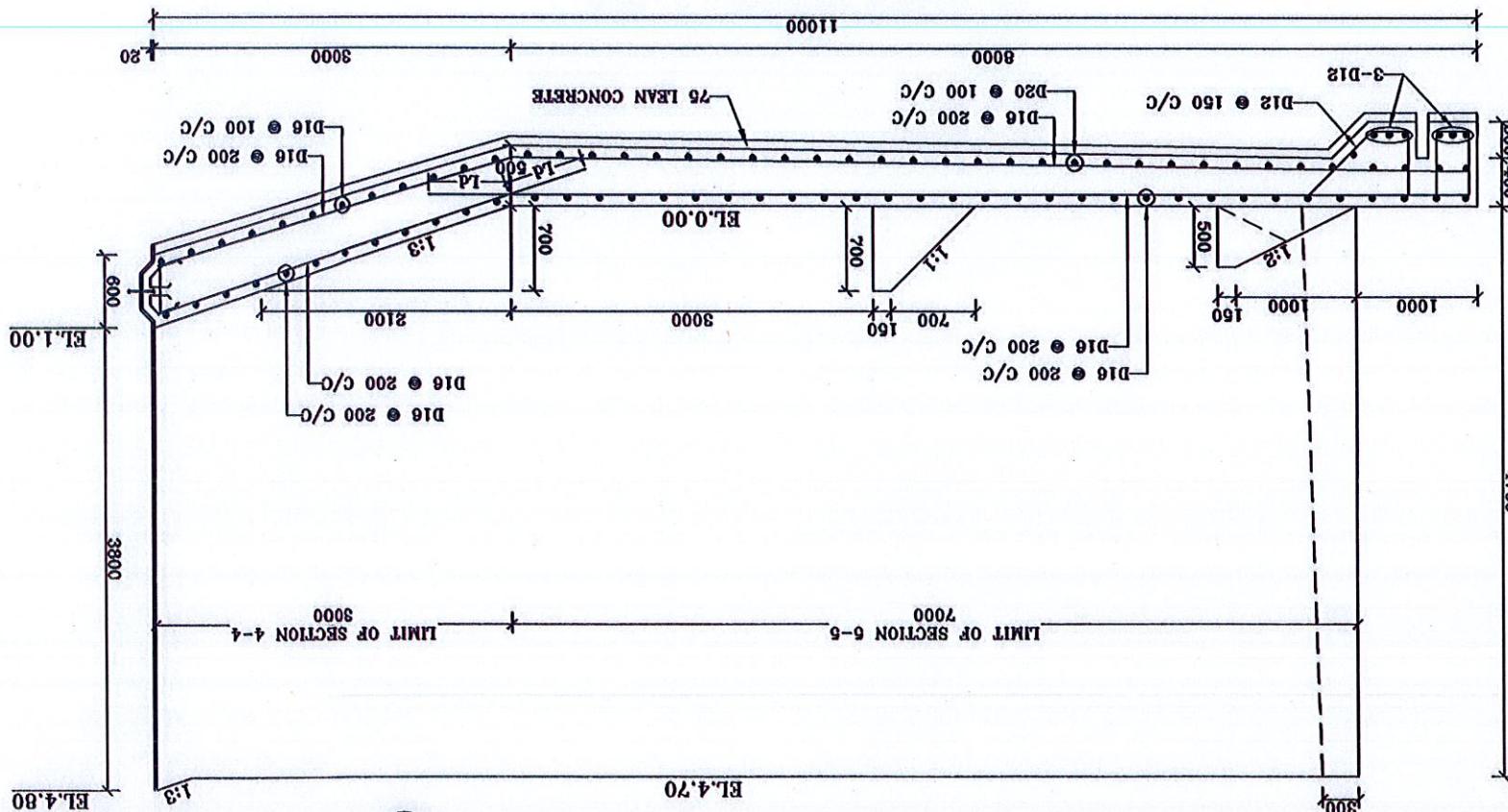


SECTION 4-4 (C/S)			
1450	1450	1450	1450
3000	3000	3000	3000
D16 @ 100 C/C	D16 @ 100 C/C	D16 @ 100 C/C	D16 @ 100 C/C
Consultancy Services for Management, Design, Supervision and other Related Services of Har Flood Management, Design, Supervision and Improvement Project (BWB Part)			
SHANIK REGULATOR (5V-1.5m x 1.8m) AT KM 23.46			
OF DAKSHINER HAOR SUB PROJECT UNDER KISHOREGANJ MD DIVISION, BWB, KISHOREGANJ			
REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION AA).			
WING & RETURN WALL (C/S)			
CONSULTANTS: Nippon Keel Co., Ltd (NKL), Joint Venture with BETS-CNRs			
CHECKED BY: RECOMMENDED BY: APPROVED BY:			
DRAWN BY: DESIGNED BY: CHECKED BY: RECOMMENDED BY:			
NO. DATE MADE CHKD. RECOM APP.			
1 Kusum Akter Kazimullah Basdar Jal Das Kundu A.Q. Mohammad Ali			
Dr. Muhammad Nasheed Md. Abu Hasian Maher Hossain			
07/01/18 07/01/18			
Scale: As shown			

SECTION 5-5 (C/S)

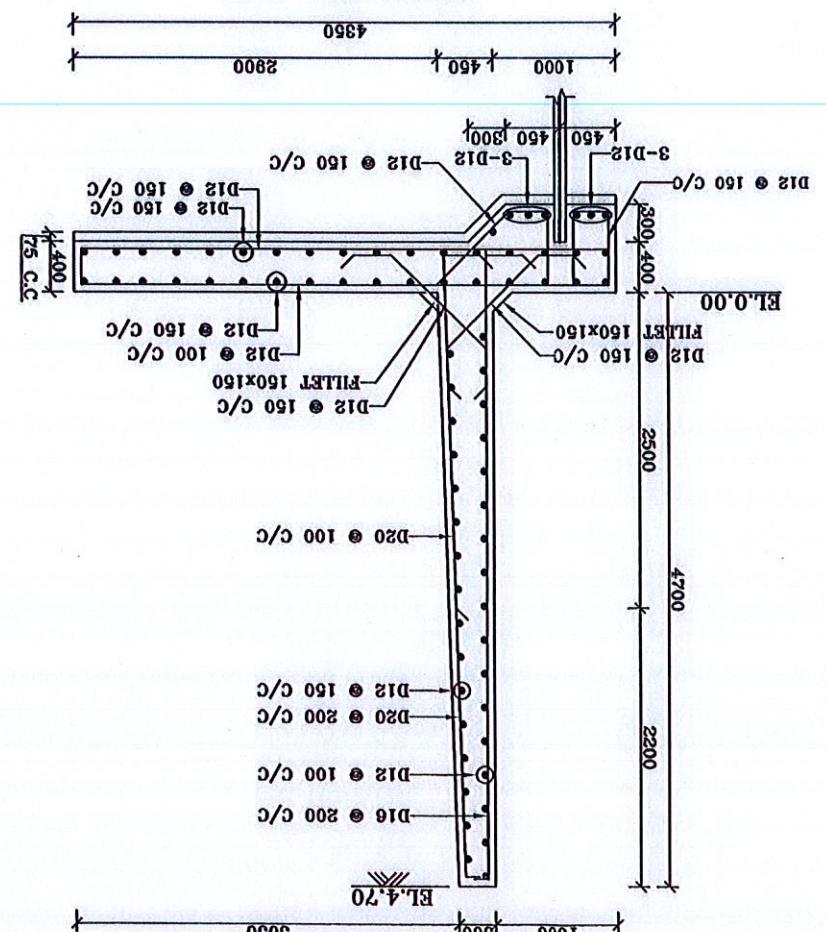


LONG SECTION OF APRON SLAB (C/S) (THROUGH A-A)



S/S

RETURN WALL (C/S)



CONSULTANTS: Nippon Koei Co., Ltd (NK), Joint Venture with BETS-CNRs									
NO.	DATE	MADE	CHKD	RECOM	APPL	Kulsum Akter	Alif Das Kundu	STRUCTURAL ENGINEER JUNIOR ENGINEER	TEAM LEADER SE, DESIGN OFFICE - 1
1						Kulsum Akter	Alif Das Kundu	STRUCTURAL ENGINEER JUNIOR ENGINEER	TEAM LEADER SE, DESIGN OFFICE - 1
2						Kulsum Akter	Alif Das Kundu	STRUCTURAL ENGINEER JUNIOR ENGINEER	TEAM LEADER SE, DESIGN OFFICE - 1
						EE, DESIGNER Md. Abu Hassan	EE, DESIGNER Md. Abu Hassan	DWG. NO. KISHORE-DAKSHINER SHANIR/REG-1796	SHEET: 13/16 07/01/2018

Scale: As shown

REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A)

UNDERRAFT KISHOREGANJ HAOR SUB-PROJECT (5V-1.5m x 1.8m) AT KM 234.6

SHANR REGULATOR (5V-1.5m x 1.8m) AT KM 234.6

OF DAKSHINER HAOR SUB-DIVISION, BWB, KISHOREGANJ

WING & RETURN WALL (R/S)

REINFORCEMENT DETAILS OF APRON SLAB (THROUGH SECTION A-A)

UNDERRAFT KISHOREGANJ HAOR SUB-PROJECT (5V-1.5m x 1.8m) AT KM 234.6

SHANR REGULATOR (5V-1.5m x 1.8m) AT KM 234.6

Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management, Design, Supervision and other Related Services

Consultancy Services for Management, Design, Supervision and other Related Services

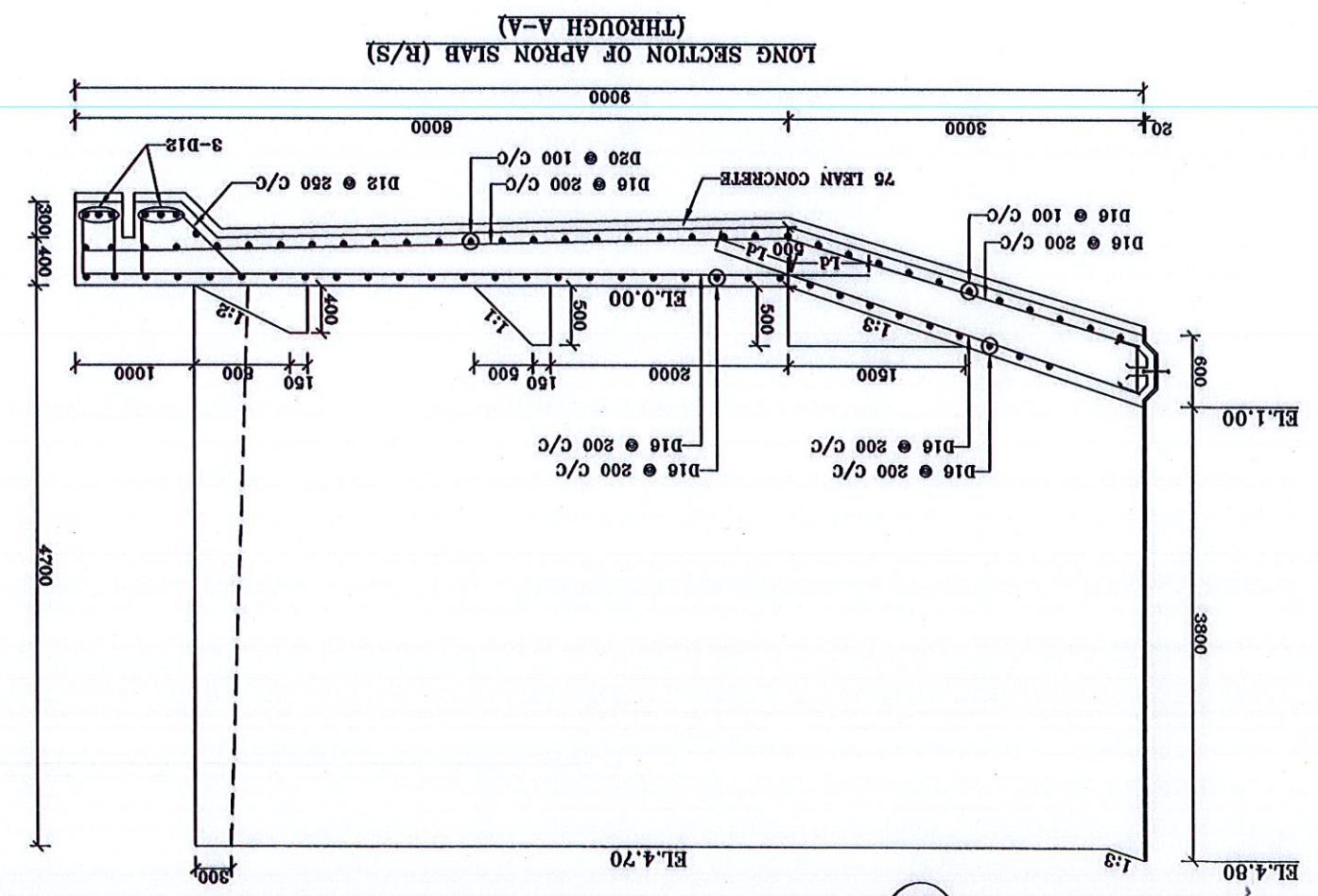
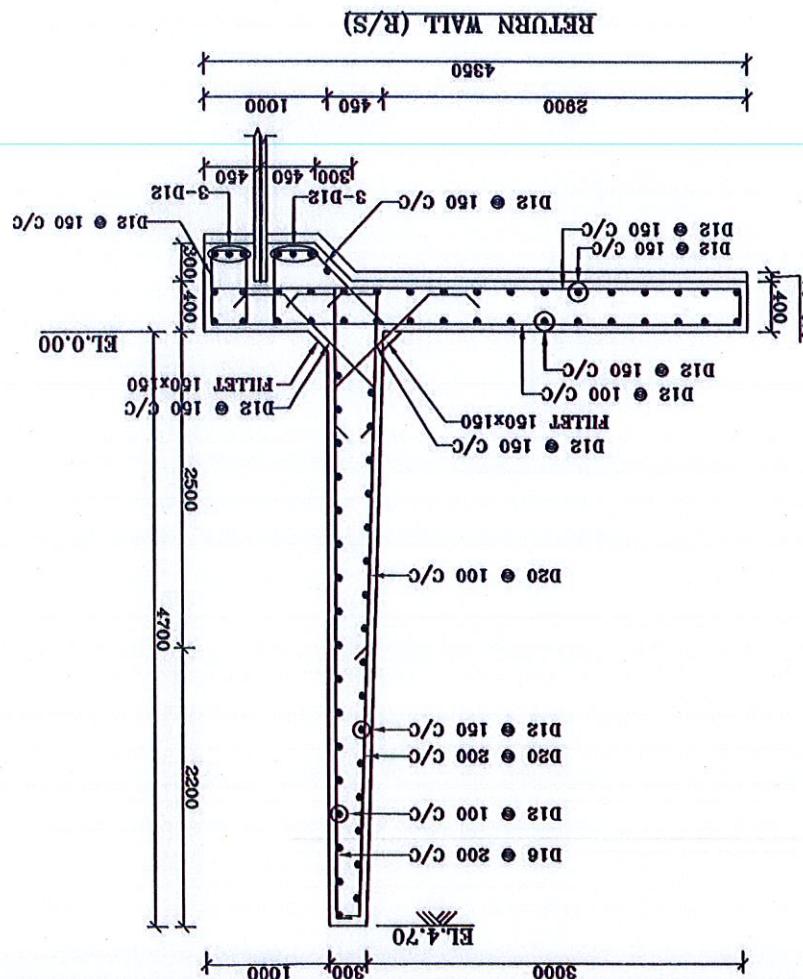
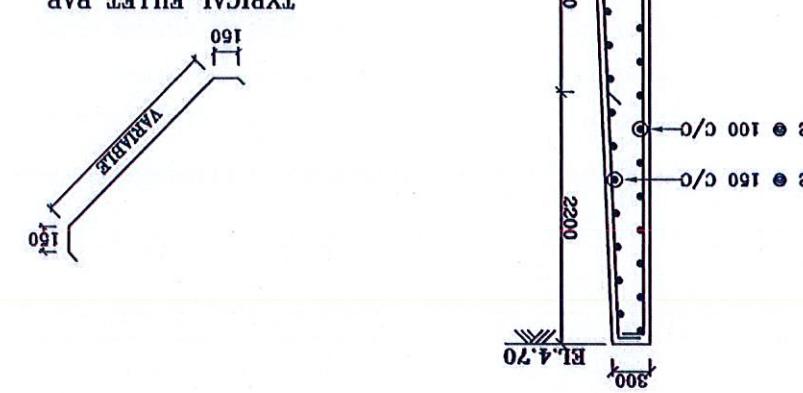
BANGLADESH WATER DEVELOPMENT BOARD

RETURN WALL (R/S)

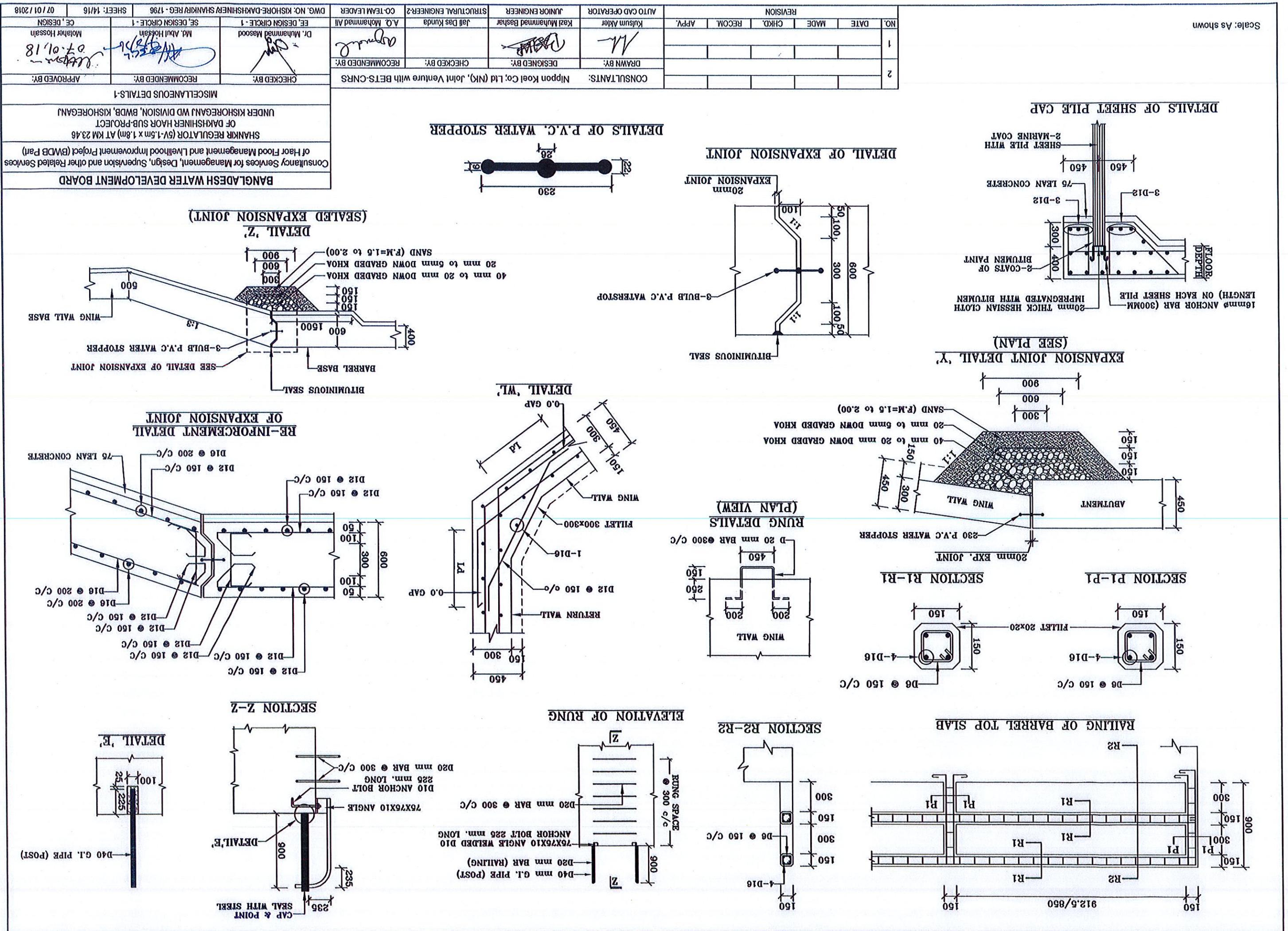
SECTION 6-6 (R/S)

SECTION 7-7 (R/S)

TYPIICAL FILTER BAR



R/S





Scale: As shown											
<b>PLAN SHOWING NAME PLATE LOCATION ON REGULATOR</b> CONSULTANTS: Nippon Koei Co., Ltd (Nk), Joint Venture with BETS-CNRs DRAWN BY: Md. Moniruzzaman DESIGNED BY: Md. Abu Hassan CHECKED BY: Md. Moniruzzaman APPROVED BY: Md. Abu Hassan RECOMMENDED BY: Md. Moniruzzaman DATE: 07.01.18 MADE: 07.01.18 CHKD: 07.01.18 REC'D: 07.01.18 APPV: 07.01.18 JALI DAS KUNDU: 07.01.18 KAZI MUHAMMAD BASHAR: 07.01.18 AUTO CAD OPERATOR: 07.01.18 STRUCTURAL ENGINEER: 07.01.18 JUNIOR ENGINEER: 07.01.18 CO-TEAM LEADER: 07.01.18 DESIGN OFFICER: 07.01.18 Dwg. No. KISHORE-DAKSHINER SHANIR REG. 1796 Sheet: 16/16 Date: 07/01/2018											
<b>DETAILS OF NAME PLATE</b> UNDER KISHOREGANJ DIVISION, WDB, KISHOREGANJ DE DHAKSHINER HAWR SUB-PROJECT SHAKR REGULATOR (5V-1.5m x 1.5m) AT KM 2346 Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Levee Improvement Project (WDB Part)											
<b>BANGLADESH WATER DEVELOPMENT BOARD</b> Consultancy Services for Management, Design, Supervision and other Related Services											
<b>LOCATION OF NAME PLATE</b> UNDER KISHOREGANJ DIVISION, WDB, KISHOREGANJ DE DHAKSHINER HAWR SUB-PROJECT SHAKR REGULATOR (5V-1.5m x 1.5m) AT KM 2346 Consultancy Services for Management, Design, Supervision and other Related Services											
<b>ELEVATION (C/S) &amp; (R/S)</b>											
<p>NAME PLATE</p> <p>RAILING POST</p> <p>RAILING</p> <p>750</p> <p>450</p> <p>2250</p> <p>1800</p>											
<p><b>NOTES</b></p> <ol style="list-style-type: none"> <li>THE NAME PLATE SHALL BE PLACED AT THE SIDE OF BOTH APPROACHES.</li> <li>THE SIZE OF LETTER SHOULD BE 30mm TO 40mm &amp; IT SHOULD BE ENGRAVED IN THE MEDIUM BLUE SURFACE.</li> <li>THE COLOR OF THE LETTER SHOULD BE WHITE MEDIUM BLUE SURFACE.</li> <li>THE NAME PLATE SHOULD BE CAST MONOLITHICALLY WITH PLATE AFTER PLASTERING.</li> <li>THE NAME PLATE SHOULD BE WRITTEN ON THE CAST MONOLITHICALLY WITH PLATE AFTER PLASTERING.</li> </ol>											
<p>SECTION R-R</p> <p>NAME PLATE</p> <p>BL+5.40~ BL+5.30</p> <p>400x400x200 C.C. BLOCK</p> <p>150mm THICK SAND (FM21.2)</p> <p>GEOTEXTILE FILTER CLOTH (ITEM NO. 40-600-20)</p> <p>50-40mm DOWN GRADE (ITEM NO. 40-610-20)</p> <p>100mm THICK ASSORTED KHA FILTER (ITEM NO. 40-610-20)</p> <p>C.C. (1:3:6)</p> <p>800</p> <p>200</p> <p>600</p> <p>450</p> <p>750</p>											
<p>SECTION R-R</p> <p>NAME PLATE</p> <p>BL+5.40~ BL+5.30</p> <p>400x400x200 C.C. BLOCK</p> <p>150mm THICK SAND (FM21.2)</p> <p>GEOTEXTILE FILTER CLOTH (ITEM NO. 40-600-20)</p> <p>50-40mm DOWN GRADE (ITEM NO. 40-610-20)</p> <p>100mm THICK ASSORTED KHA FILTER (ITEM NO. 40-610-20)</p> <p>C.C. (1:3:6)</p> <p>800</p> <p>200</p> <p>600</p> <p>450</p> <p>750</p>											