

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)

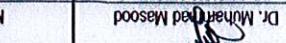
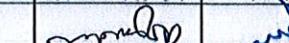
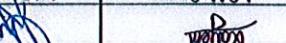
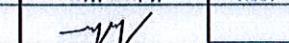
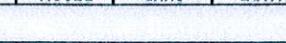
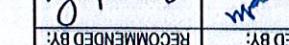
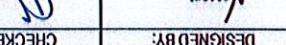
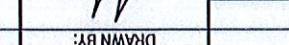
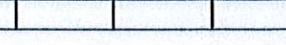
**NOAPARA HAOR SUB-PROJECT**

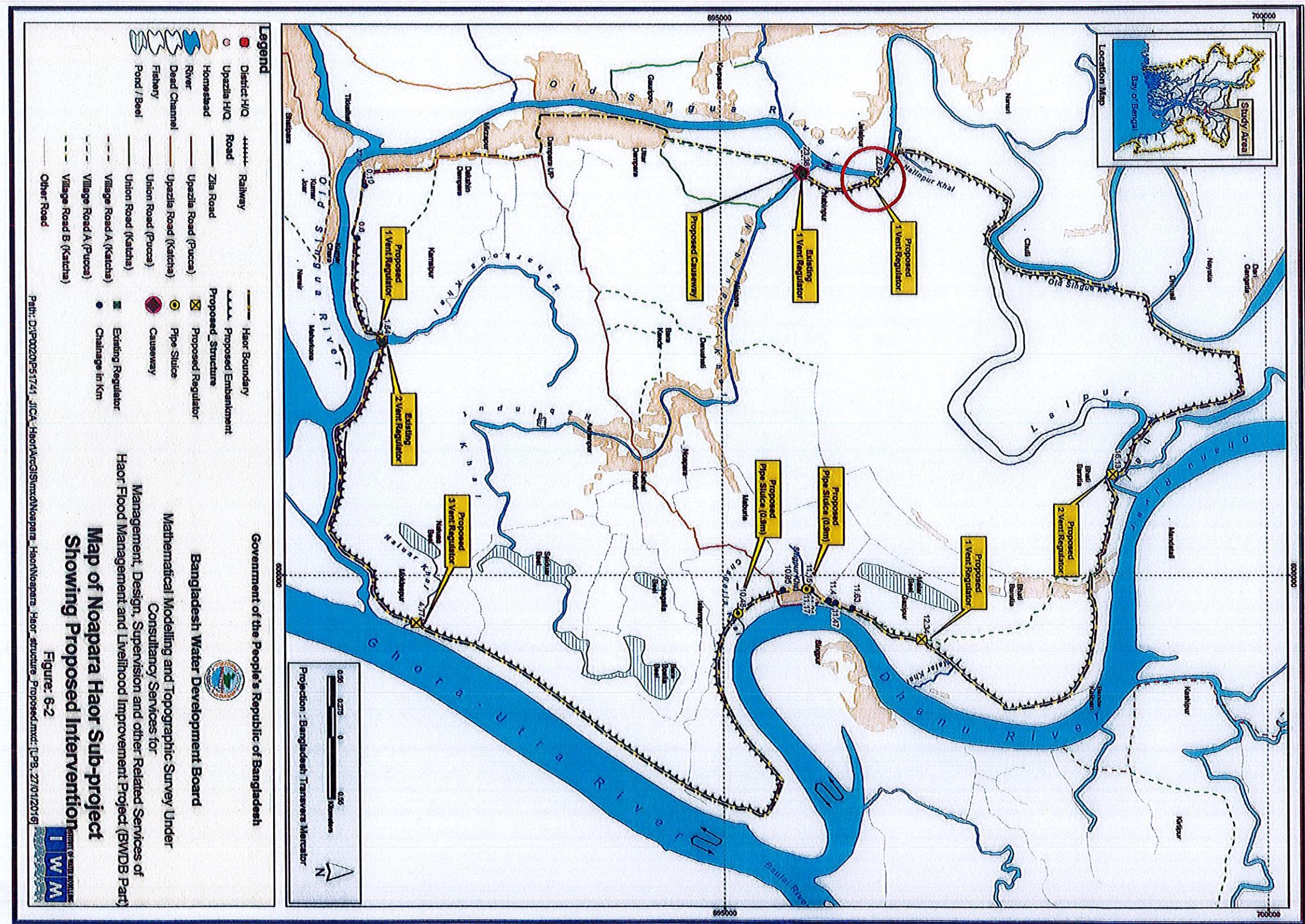
DETAIL DRAWINGS  
OF  
JALALPUR REGULATOR (IV-1.5m x 1.8m) AT KM 22.64  
OF NOAPARA HAOR SUB-PROJECT  
UNDER KISHOREGANJ WD DIVISION, BWD, KISHOREGANJ

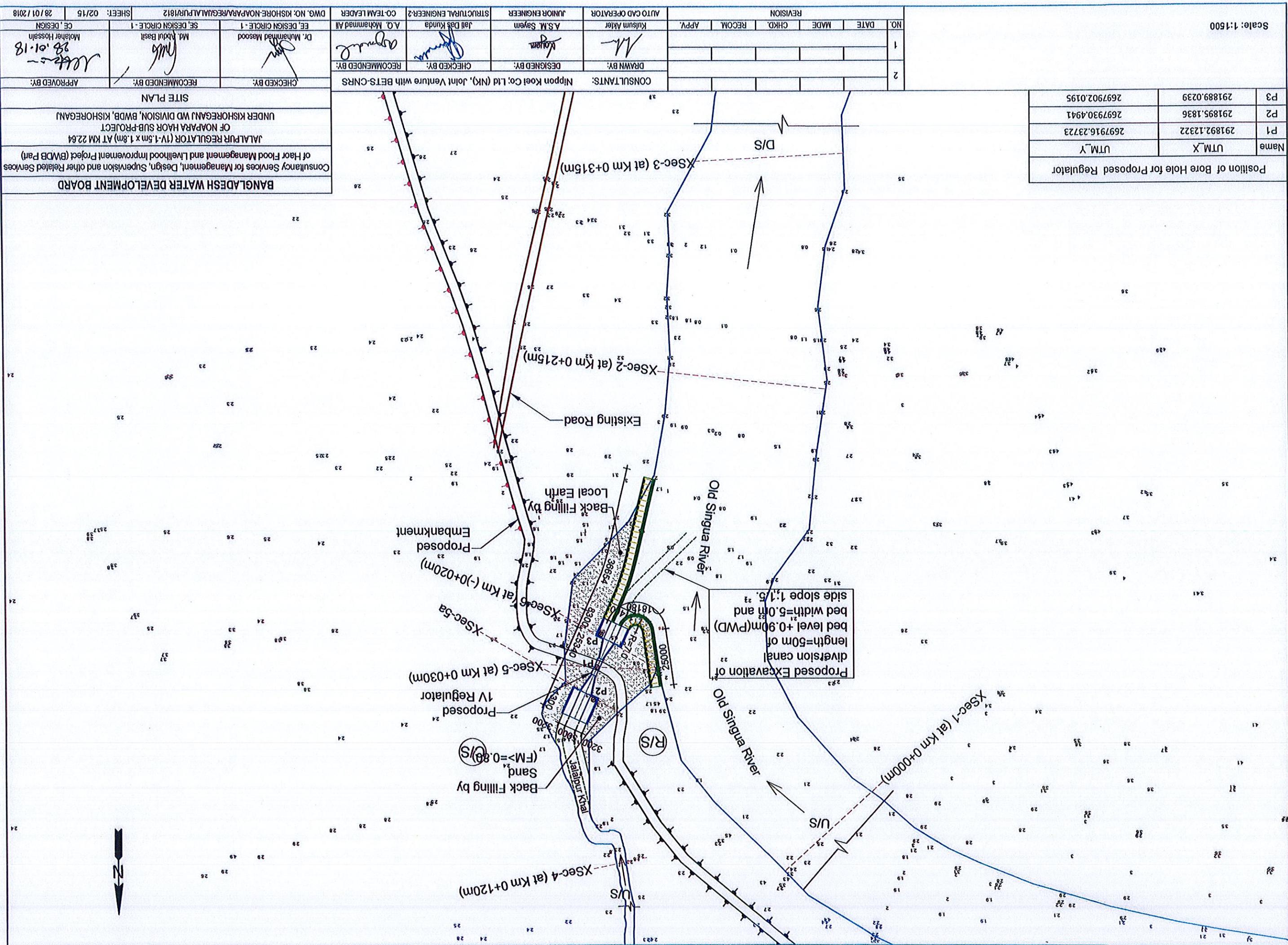
Approved  
Md. Fakhrul Abedin  
Project Director/Chief Engineer  
Haor Flood Management Project  
Livelihood Improvement Project  
BWD, Dhaka

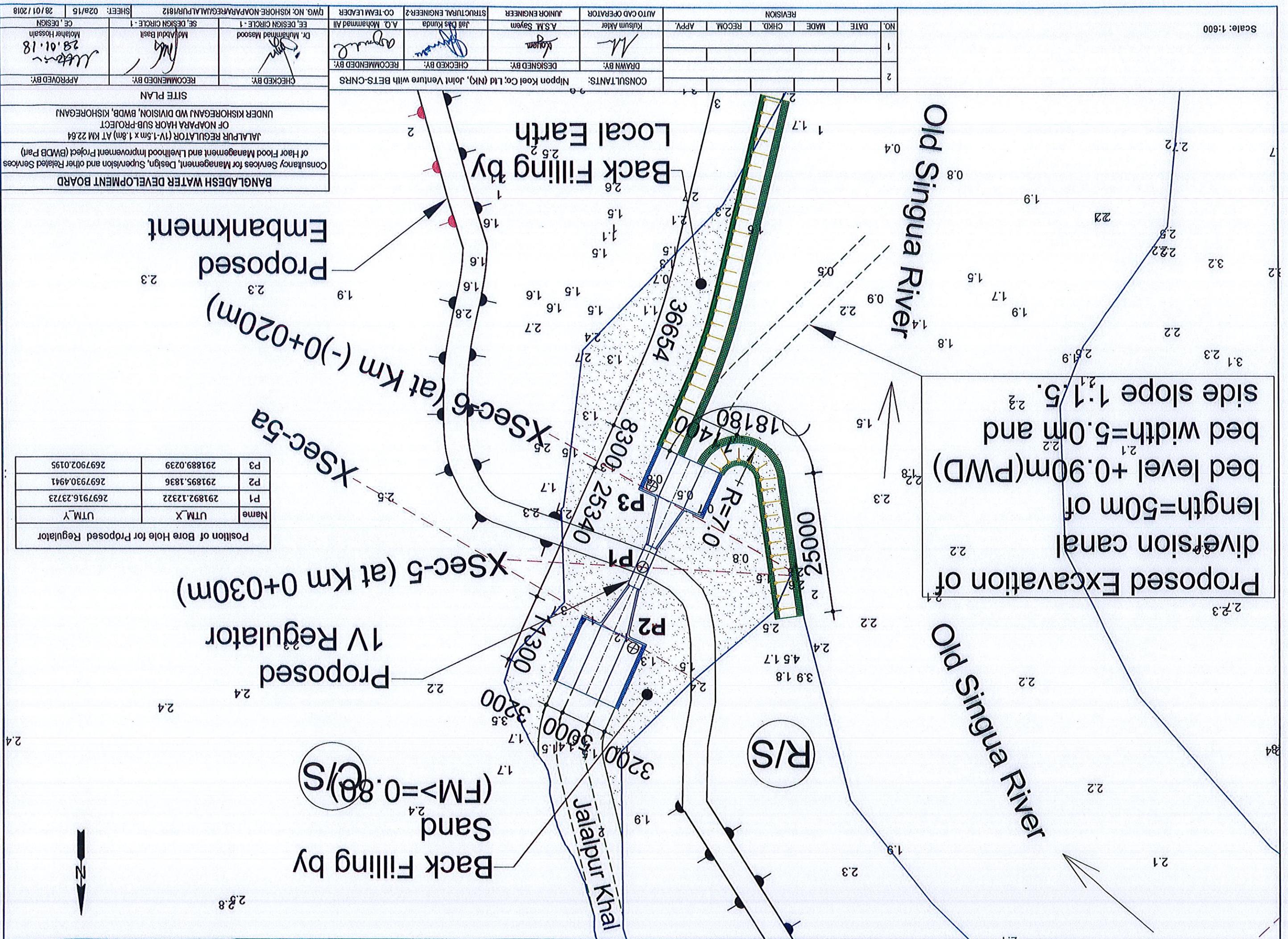
SL. NO.	DRAWING TITLE	SHEET NO.
1	INDEX MAP	01
2	SITE PLAN	02, 02a
3	CROSS SECTIONS OF OLD SINGUA RIVER AT OUTFALL OF STRUCTURE	03
4	CROSS SECTIONS OF JALALPUR KHAL	04
5	BORE LOG	05
6	GENERAL NOTES	06
7	PLAN AND LONG SECTION	07
8	REINFORCEMENT DETAILS OF CENTRAL PART	08
9	REINFORCEMENT DETAILS OF ABUTMENT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

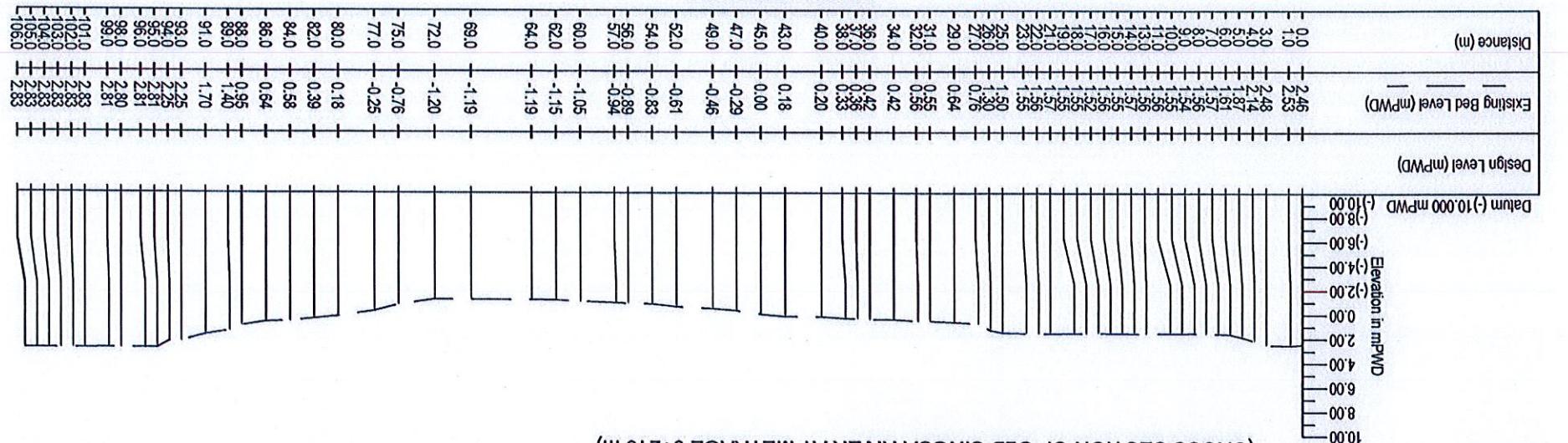
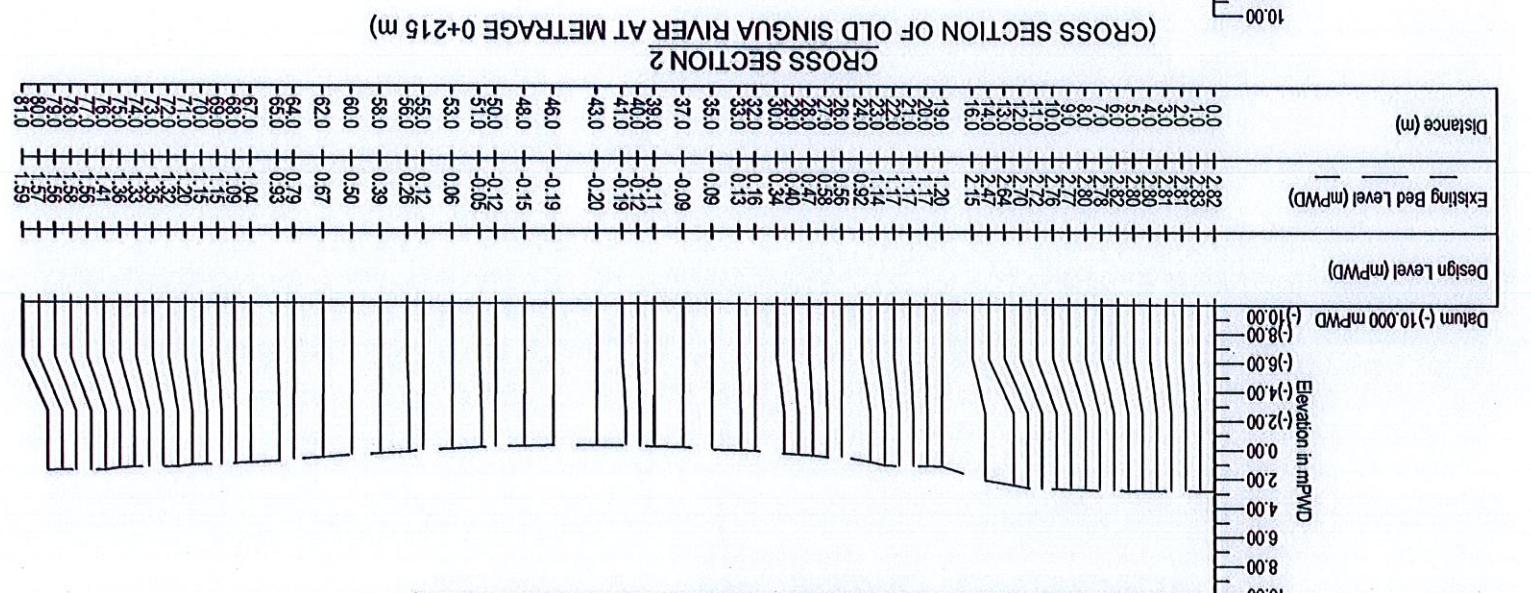
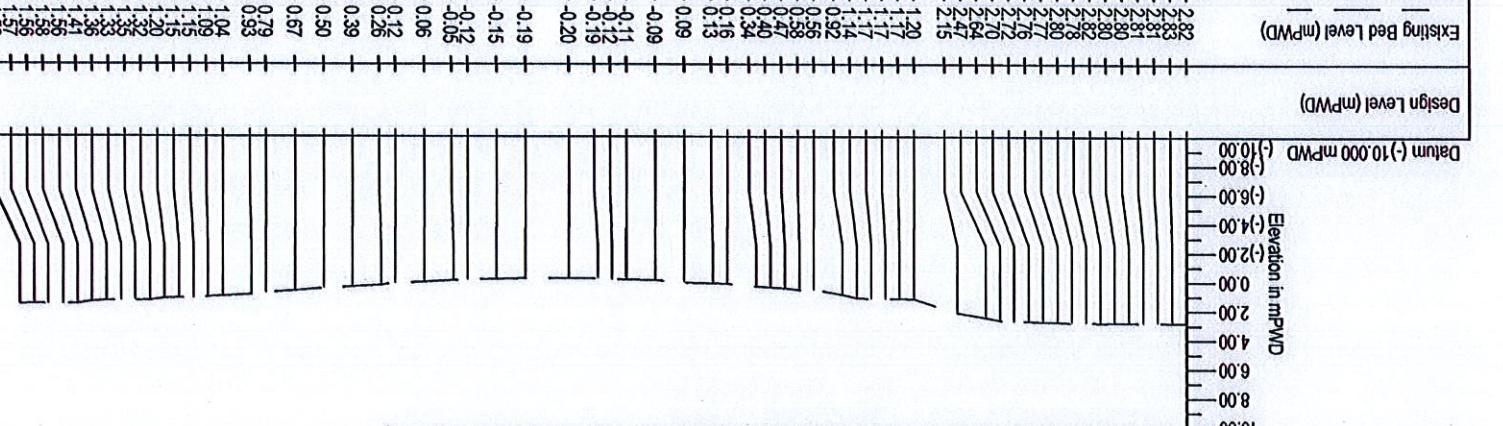
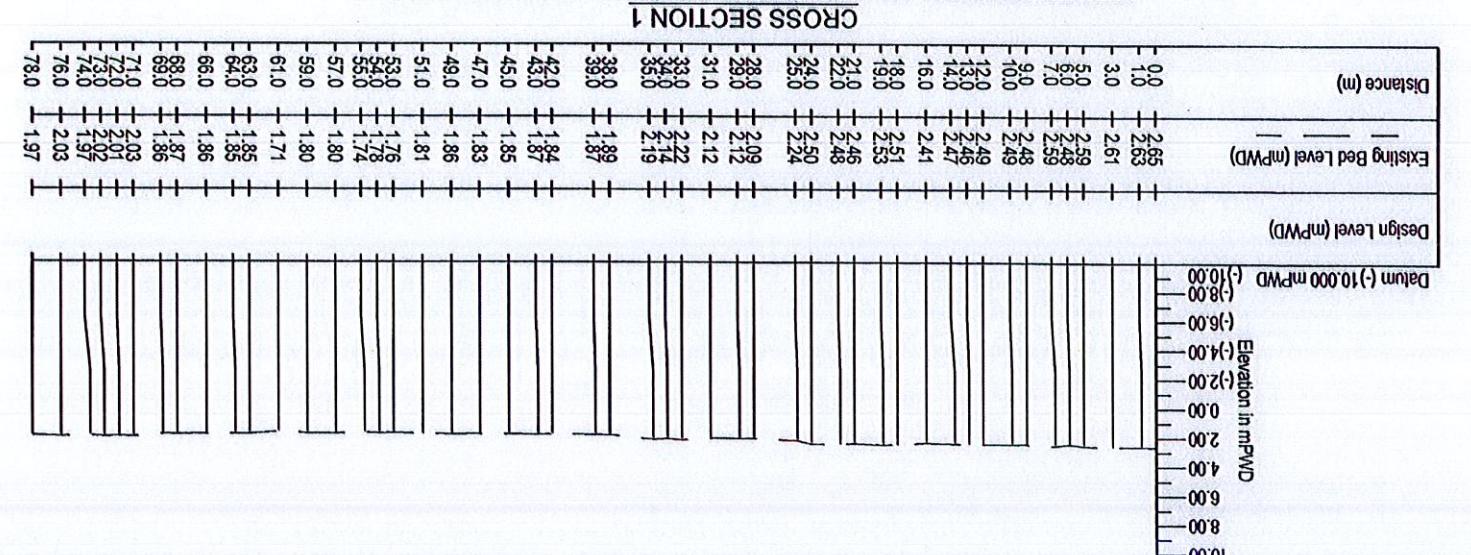
## LIST OF DRAWING

BANGLADESH WATER DEVELOPMENT BOARD																																																															
Consultancy Services for Management, Design, Supervision and other Related Services of Haror Flood Management and Levee/hood Improvement Project (WBDB Part)																																																															
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CONSULTANTS: Nippon Kei Co., Ltd (NKL), Joint Venture with BETS-CNRs																																																															
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DWG. NO. KISHORE-NOPARA/REGULATORY/1812 SHEET: 01/15 28/01/2018																																																															



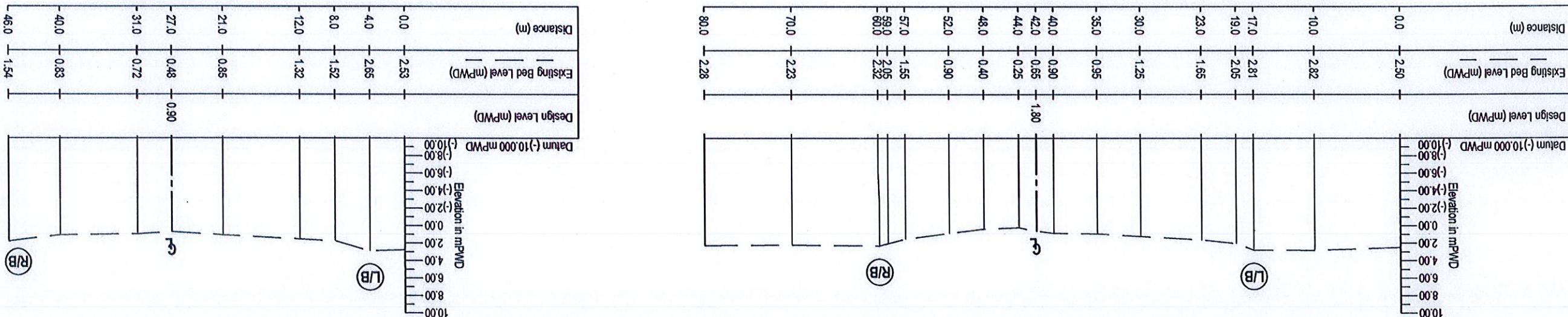




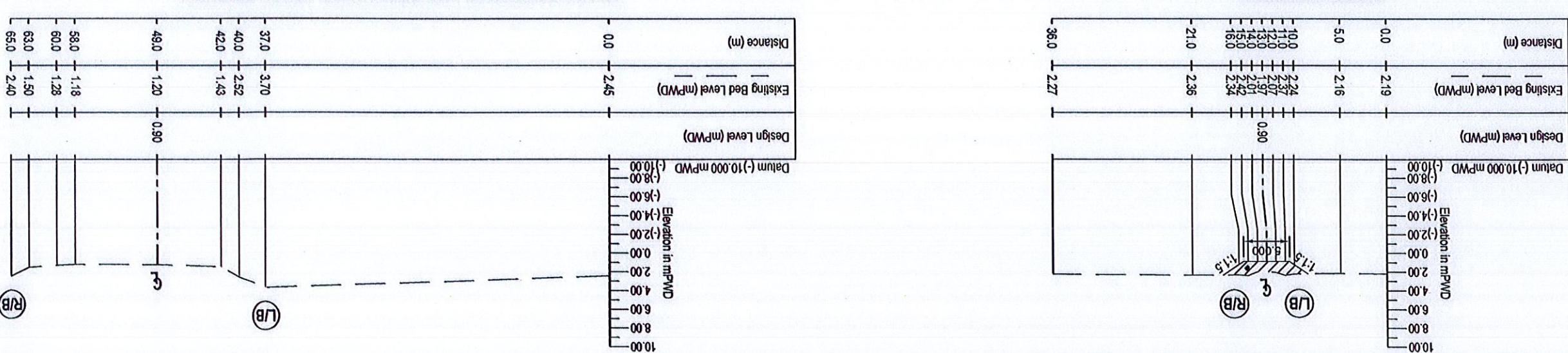


BANGLADESH WATER DEVELOPMENT BOARD									
CONSULTANTS: Nippon Kei Co. Ltd (NKL) Joint Venture with BETS CNRS									
CROSS SECTIONS OF JALALPUR KHAL									
UNDER KISHOREGANJ W/DIVISION, BWD, KISHOREGANJ									
OF NOAPRA HAOR SB-PROJECT JALALPUR REGULATOR (11.5m x 1.8m) AT KM 22.64									
Consultancy Services for Management and Levee Improvement Project (BWD Part) of Haor Flood Management and Levee Improvement Project (BWD Part)									
Consultancy Services, Supervision and other Related Services									
Scale: As shown									
DWG. NO: KISHORE-NOPARREG/JALALPUR1212 SHEET: 04/15 28/01/2018									
REVISION									
No.	DATE	MADE	OKD	RECOM	APPL	Kusum Akter	A.S.M. Sayem	JUNIOR ENGINEER	STRUCTURAL ENGINEER-2 CO-TEAM LEADER
1						<i>Md. Md. Md. Md. Md.</i>	<i>Asif Das Kundu</i>	<i>A.Q. Mohammad Ali</i>	DWG. NO: KISHORE-NOPARREG/JALALPUR1212 SHEET: 04/15 28/01/18
DRAWN BY: DESIGNED BY: CHECKED BY: RECOMMENDED BY:									
CONSULTANTS: Nippon Kei Co. Ltd (NKL) Joint Venture with BETS CNRS									
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Consultancy Services for Management and Levee Improvement Project (BWD Part) of Haor Flood Management and Levee Improvement Project (BWD Part)									
Consultancy Services, Supervision and other Related Services									

(CROSS SECTION OF JALALPUR KHAL AT METRAGE 0+030 m)  
CROSS SECTION 5 (REGULATOR BARREL PORTION)

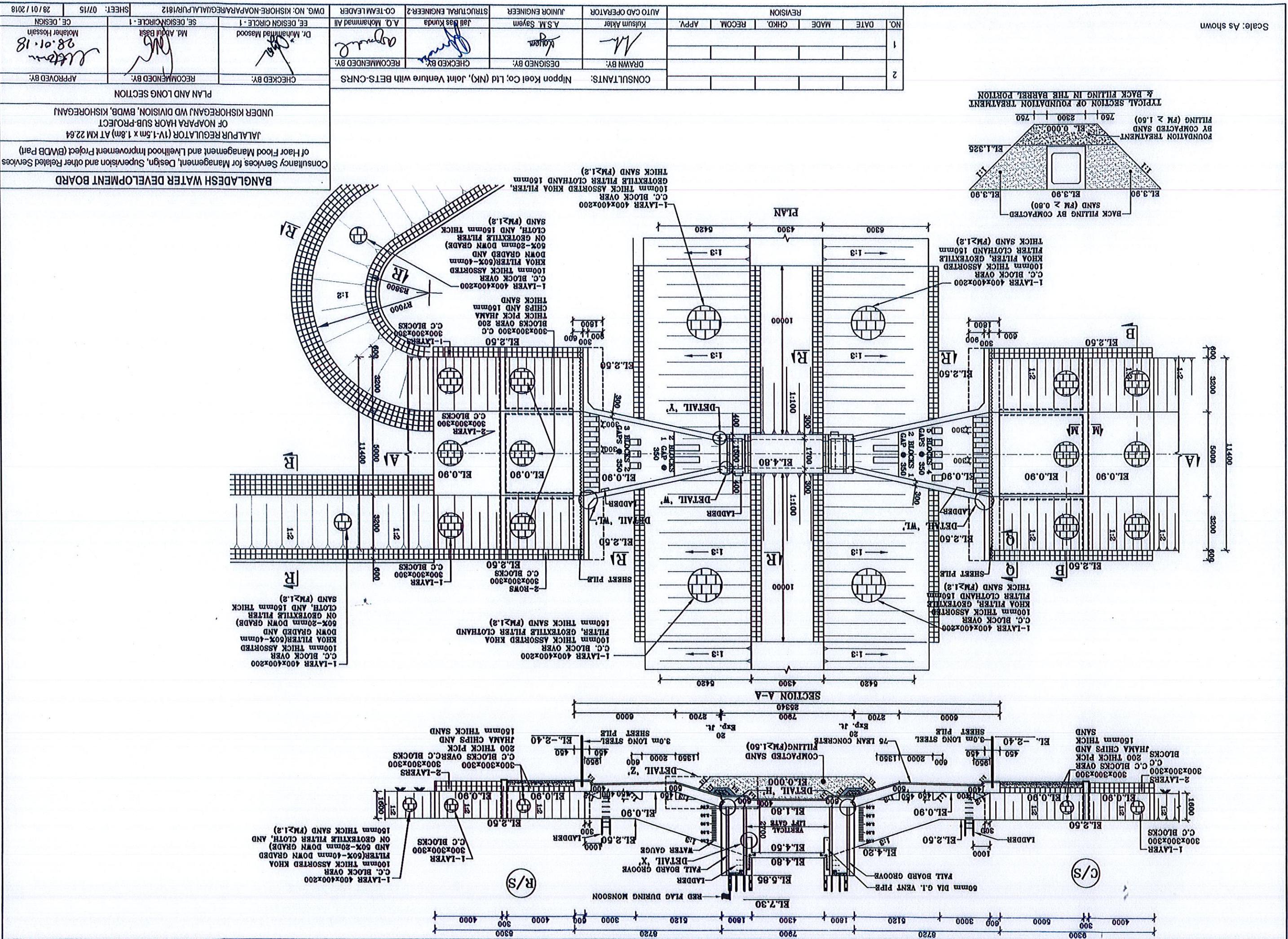


(CROSS SECTION OF JALALPUR KHAL AT METRAGE 0+120 m)  
CROSS SECTION 4 (C/S REGULATOR APRON PORTION)



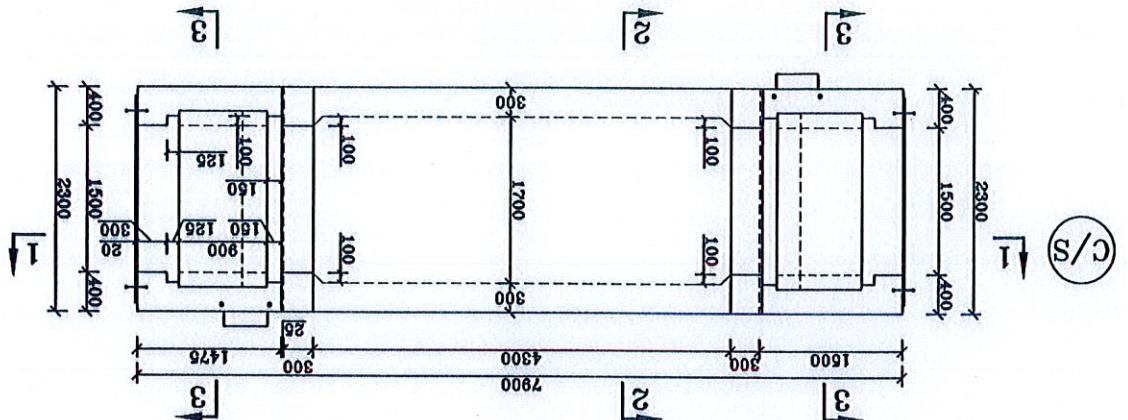




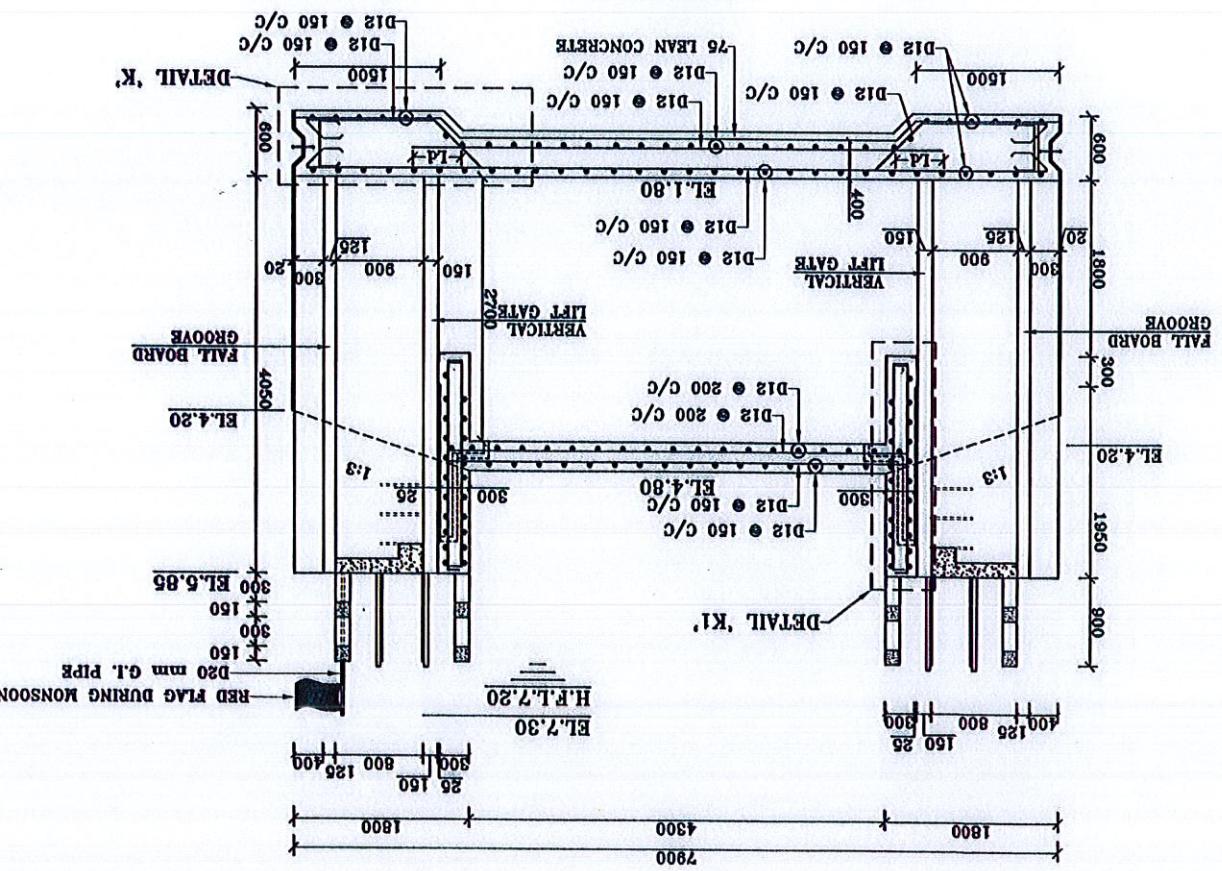


PLAN OF ABUTMENT							
BANGLADESH WATER DEVELOPMENT BOARD							
Consultancy Services for Management, Design, Supervision and other Related Services of Haror Flood Management Project (1V-1.5m x 1.8m) AT KM 22.64 JALALPUR REGULATOR (1V-1.5m x 1.8m) AT KM 22.64 OF NAPARA HAOR SUB-PROJECT UNDER KISHOREGANJ WD DIVISION, BWD, KISHOREGANJ							
REINFORCEMENT DETAILS OF CENTRAL PART							
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:							
1							
NO.	DATE	MADE	CHKD.	RECOM.	APPY.	Kulsum Akter	A.S.M. Sayem
						Jaiul Das Kundu	A.Q. Mohammad Ali
						EE DESIGN CIRCLE - 1	SE DESIGN CIRCLE - 1
						Dr. Muhammad Masood	Md. Aminul Bissi
						Mr. Md. Hossain	CE, DESIGN
						28/01/18	28/01/2018
Scale: As shown							

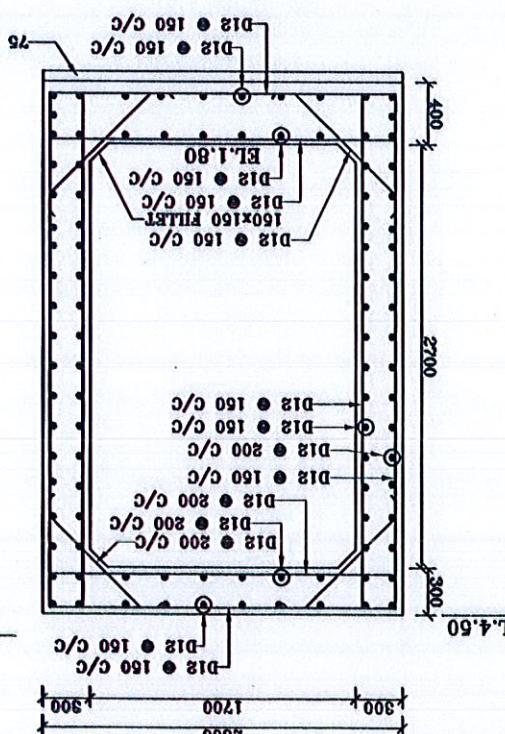
PLAN OF ABUTMENT



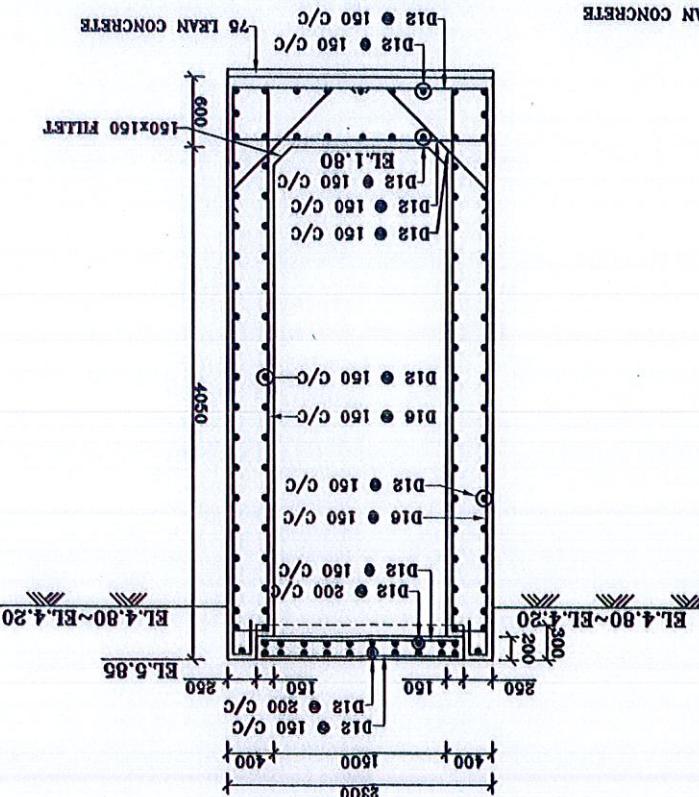
SECTION 1-1



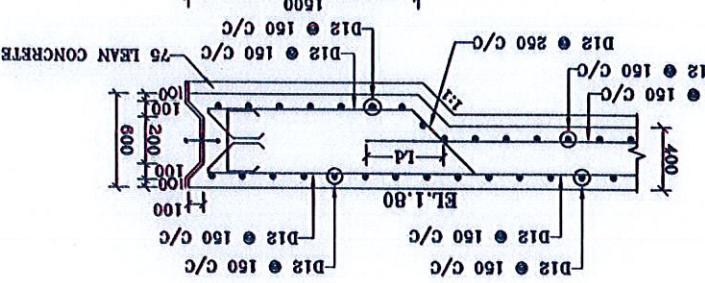
SECTION 2-2



**SECTION 3-3**

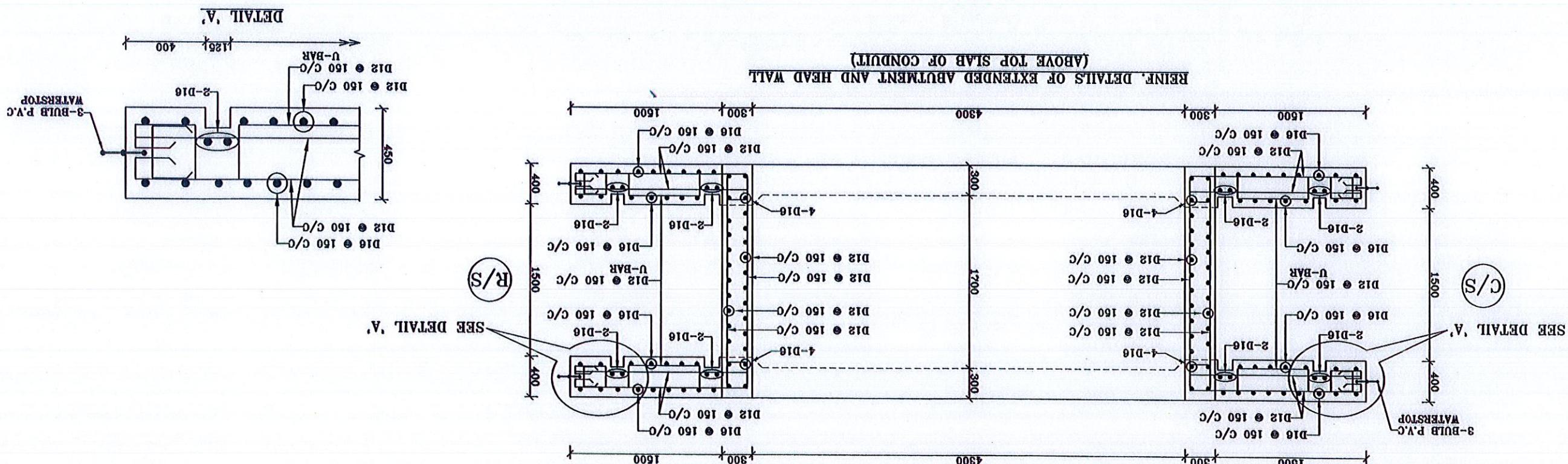
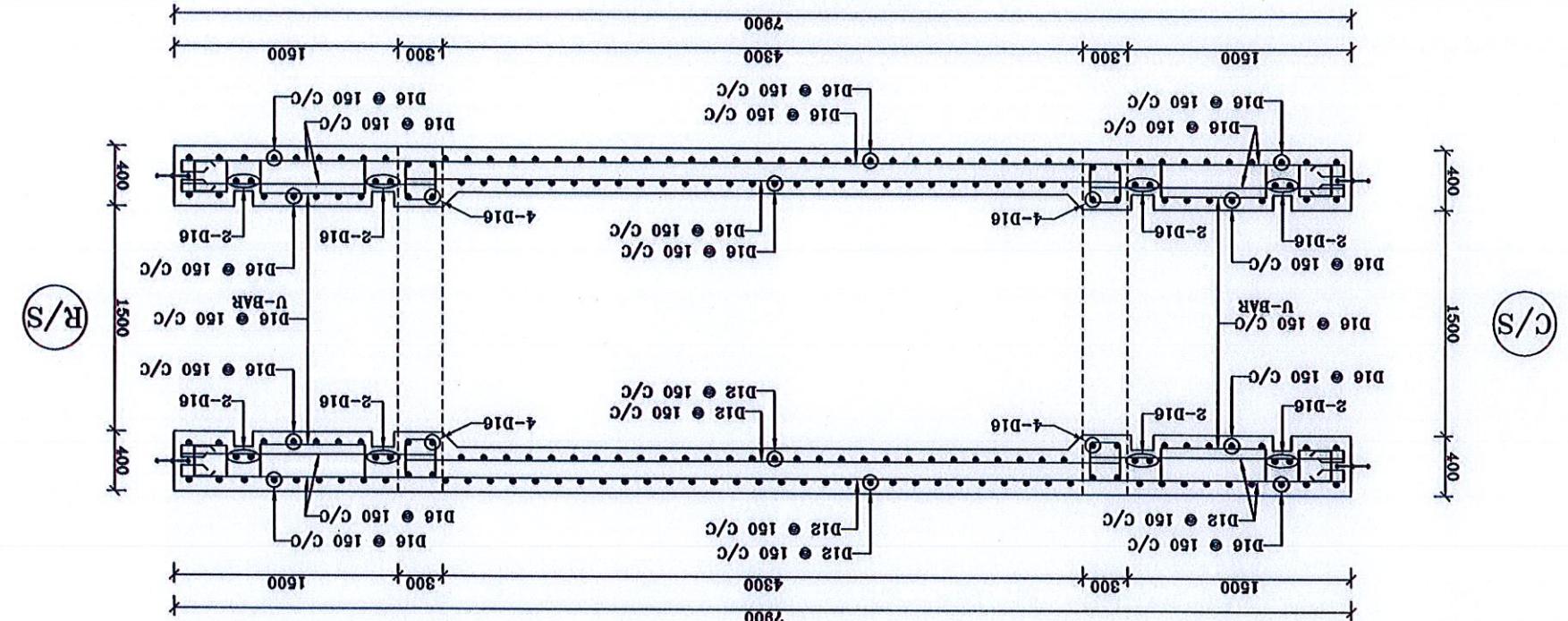


DETAIL K

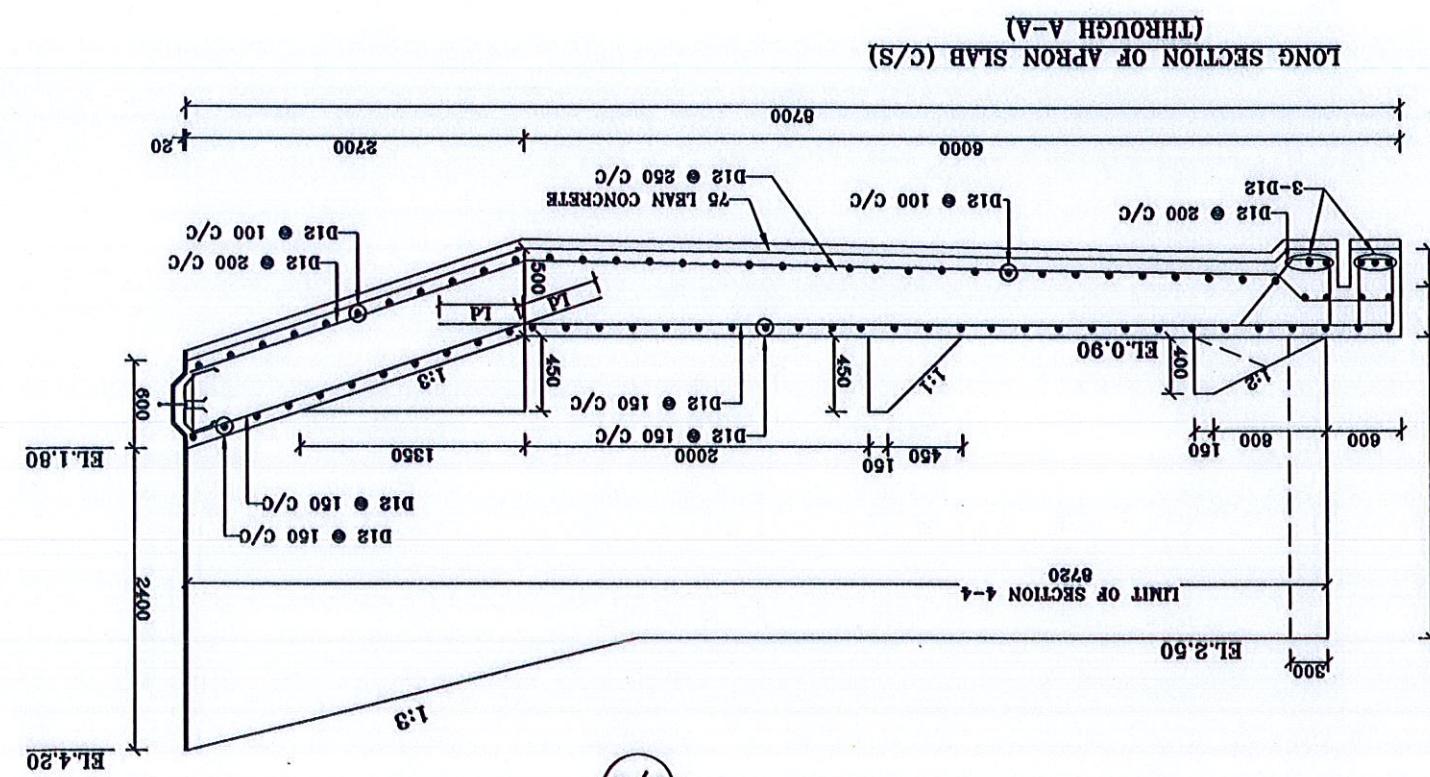
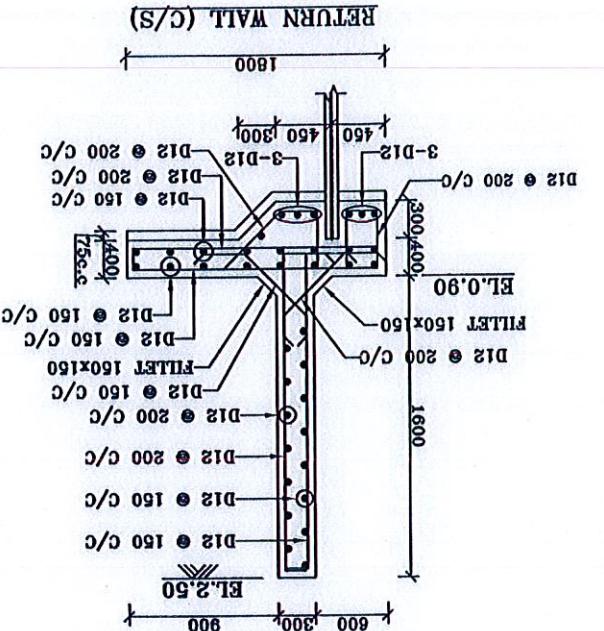
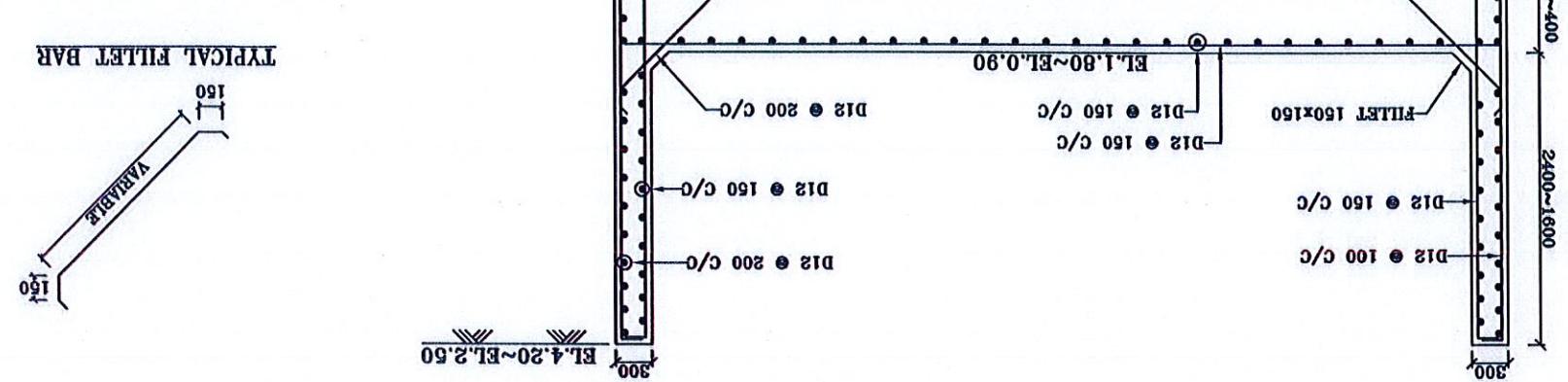


ETAIL KI

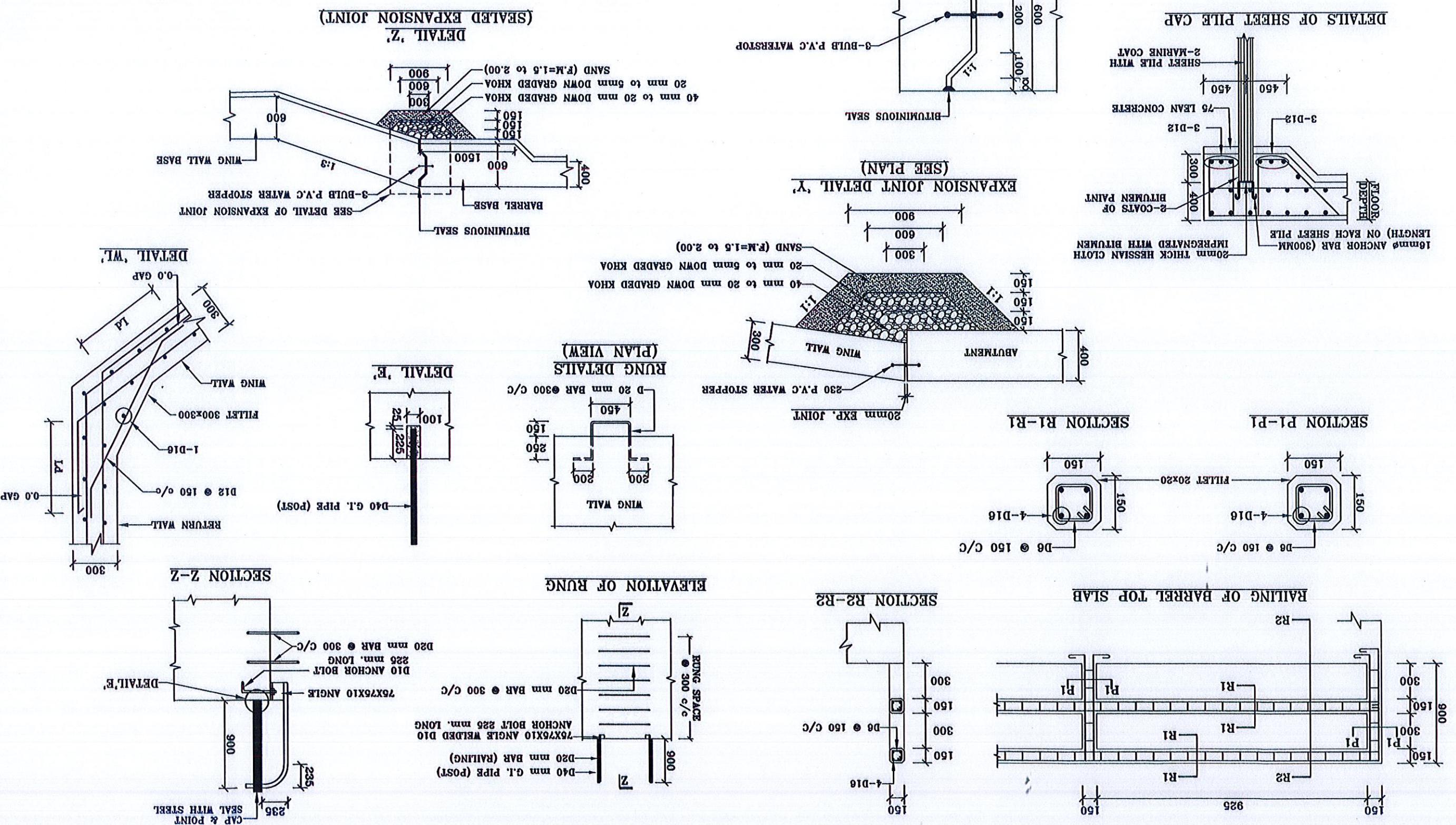
REINFORCEMENT DETAILS OF ABUTMENT & HEAD WALL IN PLAN					
CONSULTANTS: Nippon Koei Co., Ltd (NK), Joint Venture with BETS-CNRs					
REINFORCING STEEL DETAILS OF ABUTMENT & HEAD WALL IN PLAN					
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OF NOAPARA HAOR SUB-PROJECT					
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Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management, Design, Supervision and other Related Services					
BANGLADESH WATER DEVELOPMENT BOARD					
(BELOW TOP SLAB OF CONDUIT)					
<p><b>REIN. DETAILS OF ABUTMENT</b></p> <p>Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management, Design, Supervision and other Related Services</p> <p>JALALPUR REGULATOR (1.5m x 1.8m) AT KM 22.64</p> <p>OF NOAPARA HAOR SUB-PROJECT</p> <p>UNDER KISHOREGANJ WD DIVISION, BWD, KISHOREGANJ</p> <p>REINFORCING STEEL DETAILS OF ABUTMENT &amp; HEAD WALL IN PLAN</p> <p>CONSULTANTS: Nippon Koei Co., Ltd (NK), Joint Venture with BETS-CNRs</p> <p>CHECKED BY: APPROVED BY:</p> <p>RECOMMENDED BY:</p> <p>RECOMMENDED BY:</p> <p>DRAWN BY: CHECKED BY: RECOMMENDED BY:</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> <p>26</p> <p>27</p> <p>28</p> <p>29</p> <p>30</p> <p>31</p> <p>32</p> <p>33</p> <p>34</p> <p>35</p> <p>36</p> <p>37</p> <p>38</p> <p>39</p> <p>40</p> 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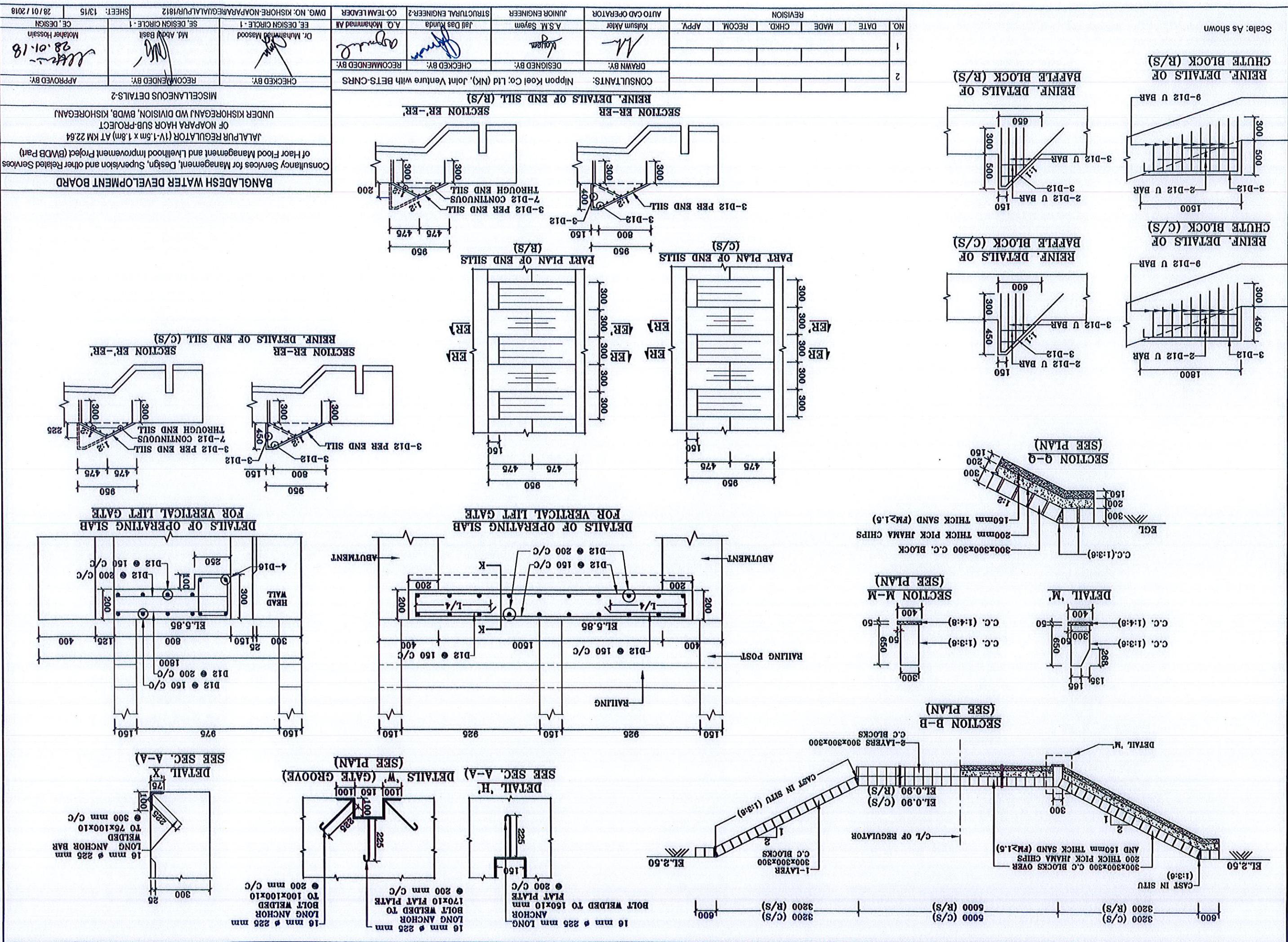


SECTION 4-4 (C/S)					
RETURRN WALL (C/S)					
<p>BANGLADESH WATER DEVELOPMENT BOARD</p> <p>Consultancy Services for Management, Design, Supervision and other Related Services of Haor Flood Management and Levee/hood Improvement Project (BWDB Project)</p> <p>JALALPUR REGULATOR (IV-1.5m x 1.8m) AT KM 22.64 OF NOAPARA HAOR SUB-PROJECT</p> <p>UNDER KISHOREGANJ WD DIVISION, BWD, KISHOREGANJ</p> <p>REINFORCEMENT DETAILS OF APRON SLAB THROUGH SECTION-A/A.</p> <p>WING &amp; RETURN WALL (C/S)</p> <p>CONSULTANTS: Nippon Keoi Co. Ltd (NK), Joint Venture with BETS-CNRs</p> <p>CHECKED BY: [Signature]</p> <p>RECOMMENDED BY: [Signature]</p> <p>APPROVED BY: [Signature]</p> <p>DRAWN BY: [Signature]</p> <p>DESIGNED BY: [Signature]</p> <p>RECOMMENDED BY: [Signature]</p> <p>APPROVED BY: [Signature]</p> <p>NO. DATE MADE CHKD. RECOM. APPY. Kusum Akter A.S.M. Sayem Md. Asadi Basit 28.01.18</p> <p>REVISION</p> <p>AUTO CAD OPERATOR JUNIOR ENGINEER STRUCTURAL ENGINEER-2 CO-TEAM LEADER DWG. NO. KISHORE-NOPAR/REGULALPUR/1812 SHEET: 1015 28/01/2018</p> <p>NO. DATE MADE CHKD. RECOM. APPY. Kusum Akter A.S.M. Sayem Md. Asadi Basit 28.01.18</p> <p>REVISION</p> <p>AUTO CAD OPERATOR JUNIOR ENGINEER STRUCTURAL ENGINEER-2 CO-TEAM LEADER DWG. NO. KISHORE-NOPAR/REGULALPUR/1812 SHEET: 1015 28/01/2018</p> <p>Scale: As shown</p>					
1					
2					

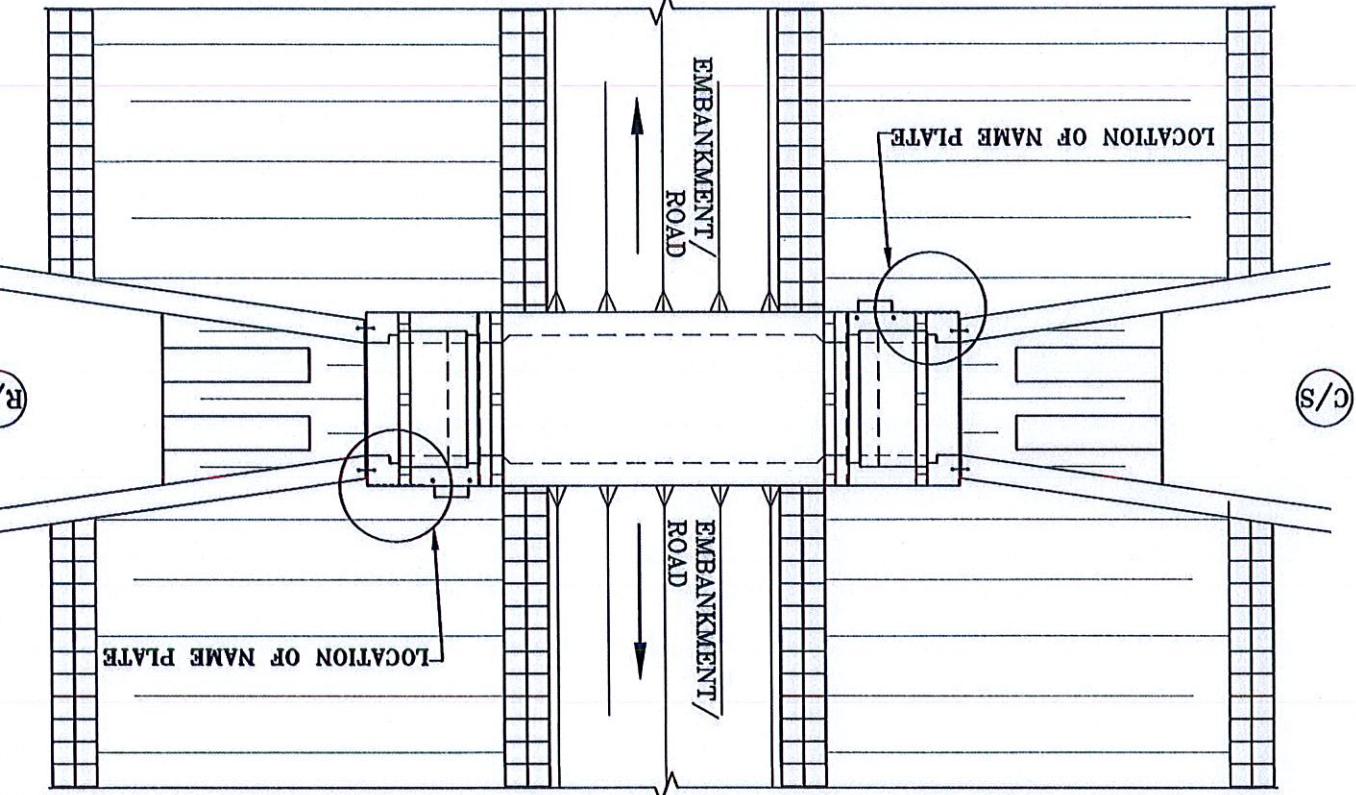




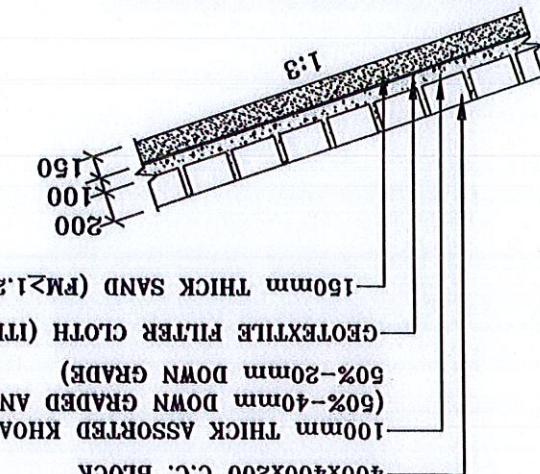




**PLAN SHOWING NAME PLATE LOCATION ON REGULATOR**



SECTION OF BLOCK PITCHING



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

