

Bangladesh Water Development Board

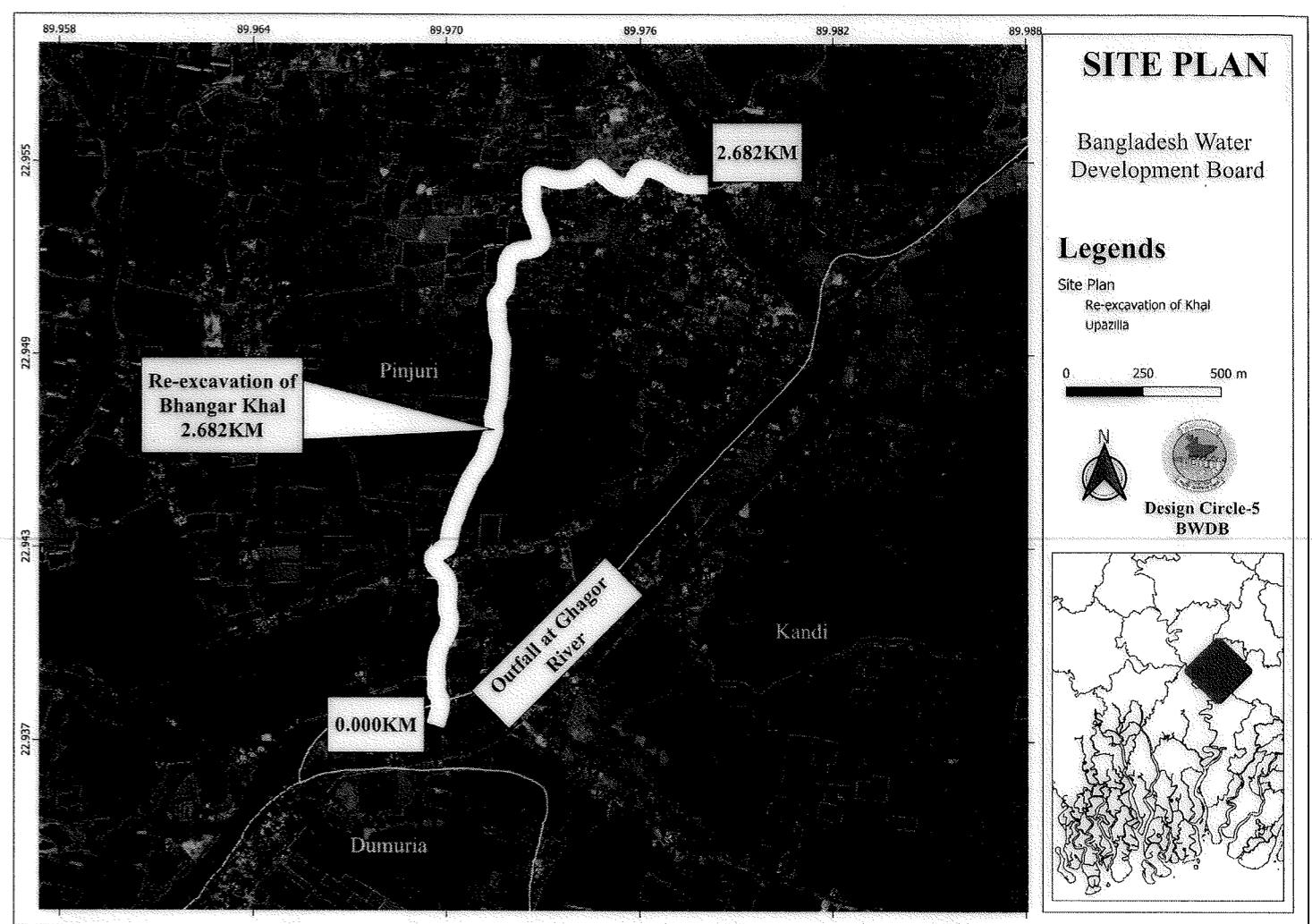
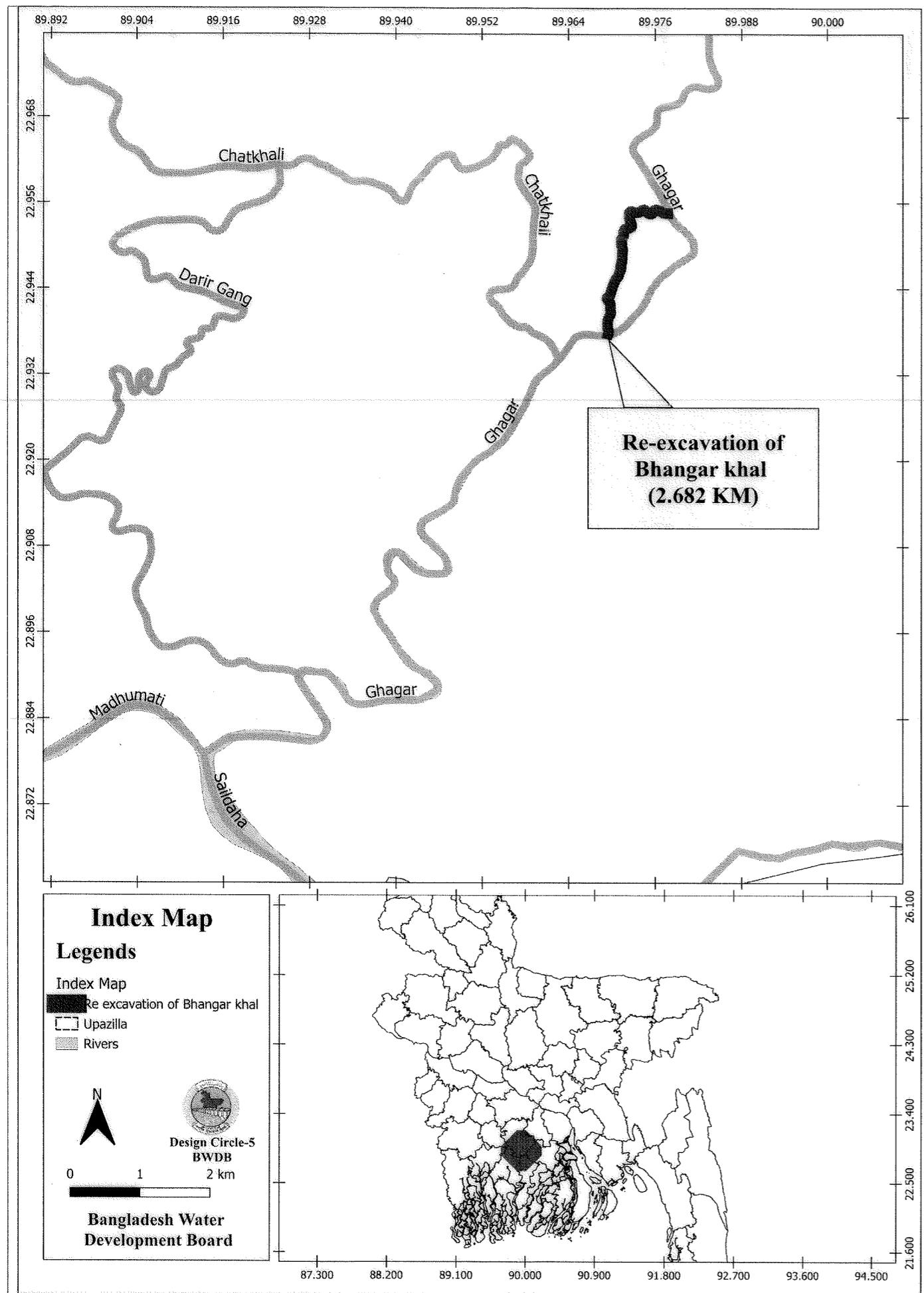
CRISP-WRM

Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project
under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

SMO, IDWRM-KT(CRISP-WRM)

Designed by:Design Circle-5,BWDB,Dhaka

February,2025



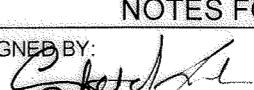
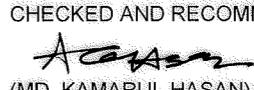
Bangladesh Water Development Board	
Office of The Superintending Engineer, Design Circle-5	
CRISP-WRM	
Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.	
INDEX MAP & SITE MAP FOR BHANGAR KHAL	
DESIGNED BY: MD. MOSTAFA KAMAL, AE 09.02.25	APPROVED BY: JAKARIA PERVEZ, SE 04.02.25
CHECKED AND RECOMMENDED BY: MD. KAMARUL HASAN, EE	
Date: 04/02/2025	Drawing No: DC5-5786-01/17

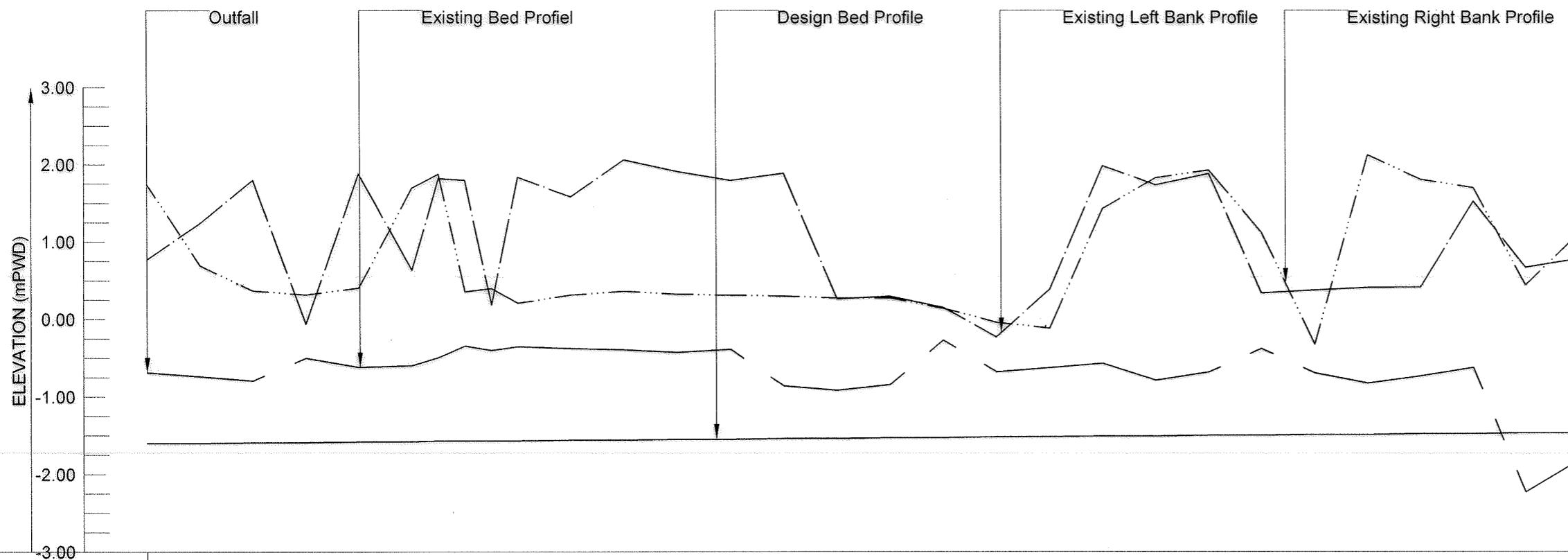
Administrative Notes :

1. FOR ANY ERROR, OMISSION OR CONFUSION PLEASE REFER TO THIS OFFICE AS QUICK AS POSSIBLE FOR FURTHER NECESSARY ACTION
2. WORK SHALL BE EXECUTED AFTER ADMINISTRATIVE AND FINANCIAL APPROVAL AND TECHNICAL SANCTION FROM THE COMPETENT AUTHORITY AND WITHIN THE DPP / BUDGET PROVISION.
3. ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETER AND METER(PWD) RESPECTIVELY UNLESS OTHERWISE MENTIONED IN THE DRAWING.
4. ALL MATERIALS AND WORK MUST CONFIRM WITH BWDB TECHNICAL SPECIFICATION.
5. NECESSARY LAND (IF REQUIRED) SHALL BE ARRANGED BY THE FIELD OFFICE FOR RE-EXCAVATION & CONSTRUCTION OF DYKE (IF REQUIRED).
6. THE RE-EXCAVATION OF THE KHAL SHALL START FROM DOWNSTREAM SIDE.
7. A SMOOTH TRANSITION SHALL BE PROVIDED BETWEEN THE EXCAVATED SECTION OF THE KHAL AND THE EXISTING SECTION.
8. A SMOOTH TRANSITION 1:100 SHALL BE PROVIDED AT THE POINT WHERE DESIGN BED WIDTH OR BED LEVEL CHANGES.
9. A SMOOTH TRANSITION AT A SLOPE OF 1:100 SHALL BE KEPT BETWEEN APRON LEVEL OF CONNECTING STRUCTURE (IF ANY) TO DESIGN BED LEVEL OF KHAL.
10. THE RE-EXCAVATION WORK SHALL BE DONE IN THE DRY SEASON WHEN WATER LEVEL IS AT OR NEAR LOW WATER LEVEL
11. NO FILLING SHALL BE DONE WHERE THE EXISTING BED LEVEL OF THE KHAL IS LOWER THAN THE DESIGN BED LEVEL AND EXISTING SIDE SLOPE IS FLATTER THAN DESIGN SECTION.
12. ANY OUTFALL/OFFTAKE RIVER/KHAL WHICH IS CONNECTED WITH THE PROPOSED KHAL SHALL BE KEPT OPEN.
13. TYPICAL DESIGN SECTIONS ARE PROVIDED IN THIS DESIGN FOR RE-EXCAVATION. CROSS SECTIONS AT AN INTERVAL NOT MORE THAN 150.00M TO BE TAKEN BY THE FIELD OFFICE FOR THE ESTIMATION OF ACTUAL VOLUME OF EARTH CUTTING.
14. EXCAVATED EARTH TO BE COLLECTED FROM RIVER CAREFULLY CONSIDERING NO ADVERSE EFFECT ON CHANNEL FLOW AND BANK EROSION.
15. ANY PROPOSED BOX CULVERT /BRIDGE OVER THIS KHAL WILL BE DESIGNED CONSIDERING DESIGN SECTIONS OF THIS KHAL

SPECIAL NOTES :

1. THIS REVISED DRAWING HAS BEEN PREPARED AS PER PROPOSAL AND DESIGN DATA SUBMITTED BY PD,CRISP-WRM HIS OFFICE MEMO NO-PMO/190; DATE: 11/11/2024
2. THIS RE-REEXCAVATION WORK HAS ALSO BEEN DESIGNED CONSIDERING THE WATER RESERVOIR AS WELL AS FOR IRRIGATION PURPOSE.
3. IF THE EXISTING BED LEVEL OF THE OUTFALL (RIVER / KHAL) IS HIGHER THAN DESIGN BED LEVEL OF THIS KHAL, RE-EXCAVATION OF THIS KHAL MUST BE DONE IN PARALLEL/ AFTER THE RE-EXCAVATION OF ITS OUTFALL RIVER / KHAL AS PER APPROVED DESIGN.
4. IF THERE EXISTS ANY STRUCTURE (REGULATOR, BOX CULVERT ETC.) OTHER THAN BRIDGE WITHIN THE PROPOSED LENGTH OF THE KHAL, RE-EXCAVATION WORK IS PROHIBITED THROGHOUT THE LENGTH OF THAT STRUCTURE.
5. DESIGN BED LEVEL OF THE KHAL SHALL NOT BE BELOW THE FOUNDATION TOP LEVEL OF THE EXISTING STRUCTURES (IF ANY) IN THE KHAL. IF THE DESIGN BED LEVEL IS BELOW THE FOUNDATION TOP LEVEL THEN THE DIFFERENCE BETWEEN THESE LEVELS SHALL BE MATCHED IN A SLOPE 1:100, OR A DISTANCE OF 100 M, WHICHEVER IS HEIGHER (U/S AND D/S OF THE STRUCTURE), (OR AS SHOWN IN THE DRAWING).
6. DESIGN BED LEVEL & BED WIDTH OF THIS KHAL HAVE BEEN FIXED CONSIDERING THE BED LEVEL & BED WIDTH OF EXISTING KHAL/ FLOOR LEVEL OF EXISTING HYDRAULIC STRUCTURE.
7. ALL SAFETY PRECAUTION MUST BE TAKEN DURING EXECUTION OF WORK.

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NOTES FOR BHANGAR KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  04.02.25 (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMARUL HASAN),EE	
Date:04/02/2025	Drawing No:DC5-5786-02/17



	Design Bed Width(m)
Design Bed Level (mPWD)	0.772 (-)1.600
Existing Bed Level (mPWD)	1.242 0.692 (-)0.738
Existing Left Bank Level (mPWD)	1.797 0.367 (-)0.793 (-)1.590
Existing Right Bank Level (mPWD)	0.300 (-)0.060 0.314 (-)0.502
Distance(Km)	0.400 1.880 0.404 (-)0.620 (-)1.580
0.500 0.633 0.550 0.550 0.600 0.650 0.650 0.700	1.693 (-)0.599 1.873 (-)0.497 (-)1.570 0.353 (-)0.347 (-)0.405 (-)0.355
0.800 1.581 0.900 0.900 1.000 1.000 1.100 1.100 1.200 1.200 1.300 1.300 1.400 1.400 1.500 1.500 1.600 1.600 1.700 1.700 1.800 1.800 1.900 1.900 2.000 2.000 2.100 2.100 2.200 2.200 2.300 2.300 2.400 2.400 2.500 2.500 2.598 2.598 2.682 2.682	0.311 (-)0.379 (-)1.560 0.360 (-)0.395 0.320 (-)0.430 (-)1.550 1.795 0.309 (-)0.390 1.886 0.296 (-)0.864 (-)1.540 0.261 0.271 (-)0.921 0.296 0.276 (-)0.845 (-)1.530 0.148 0.138 (-)0.272 0.232 (-)0.042 (-)0.682 (-)1.520 0.380 (-)0.121 (-)0.630 1.981 1.426 (-)0.574 (-)1.510 1.734 1.826 (-)0.791 0.336 1.119 (-)0.381 0.373 (-)0.327 (-)0.697 (-)1.490 0.408 2.123 (-)0.827 0.414 1.804 (-)0.736 (-)1.480 1.521 1.697 (-)0.628 0.435 (-)2.235 (-)1.470 0.759 0.993 (-)1.891

LONG SECTION OF BHANGAR KHAL APPLICABLE FROM KM 0.000 TO KM 2.682

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Office of The Superintending Engineer, Design Circle-5

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in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under
Specialized Division. BWDB, Gopalganj during the year 2024-2025.

LONG SECTION OF BHANGAR KHAL

DESIGNED BY:

04.02.25
(MD. MOSTATAF KAMAL),AE

APPROVED BY:

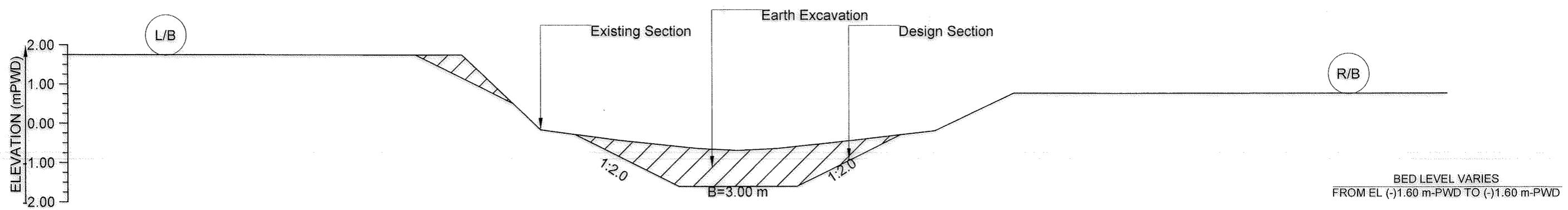
04.02.25
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:

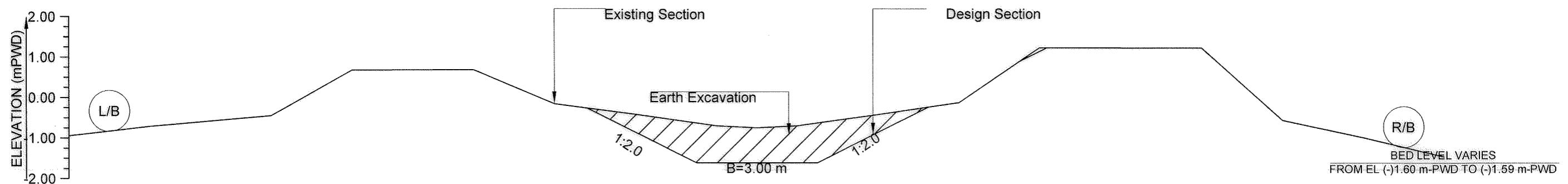
(MD. KAMARUL HASAN),EE

Date:04/02/2025

Drawing No:DC5-5786-03/17

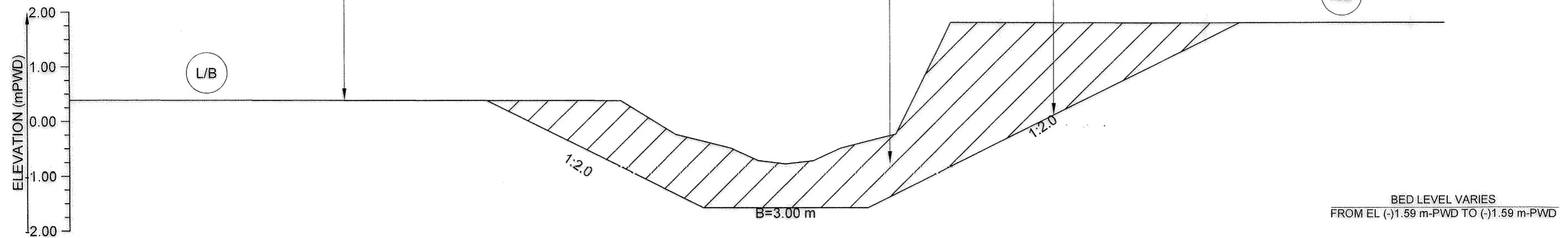


TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.000
APPLICABLE FROM KM 0.000 TO KM 0.050

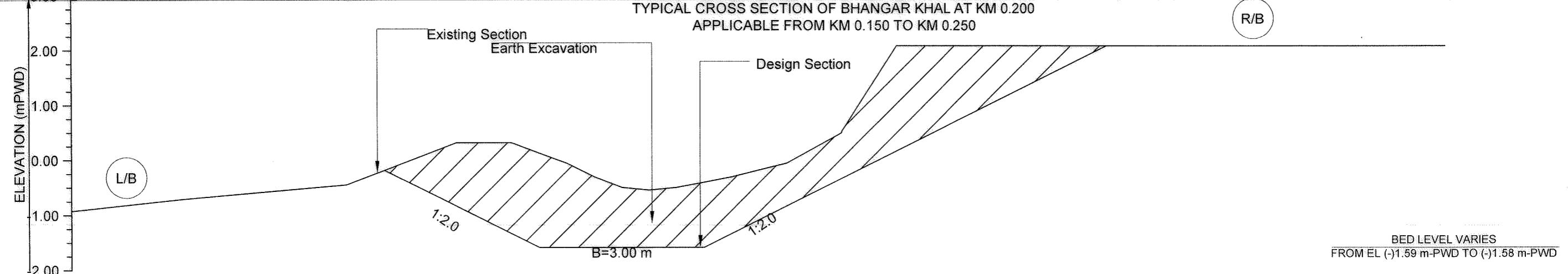


TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.100
APPLICABLE FROM KM 0.050 TO KM 0.150

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TYPICAL CROSS SECTION OF BHANGER KHAL	
DESIGNED BY: 04.02.25 (MD. MOSTAFA KAMAL), AE	APPROVED BY: 04.02.25 (JAKARIA PERVEZ), SE
CHECKED AND RECOMMENDED BY: 04.02.25 (MD. KAMARUL HASAN), EE	
Date:04/02/2025	Drawing No:DC5-5786-04/17



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.356
Distance(m)	0.000 0.377 5.000 7.576 9.558 11.000 11.500 12.000 12.500 13.000 13.500 14.000 14.500 15.000 16.000 17.882 19.000 21.264 25.000



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	(-)0.925
Distance(m)	0.000 (-)0.925 2.000 (-)0.712 5.000 (-)0.450 5.692 (-)0.186 7.000 0.314 8.000 0.312 8.500 (-)1.590 9.000 (-)0.061 9.500 (-)0.502 (-)1.590 10.000 (-)0.550 10.500 (-)0.501 11.000 (-)0.407 (-)1.590 11.500 (-)0.312 12.000 (-)0.123 12.750 (-)0.060 13.000 0.489 14.000 2.080 15.000 2.075 18.000 25.000

**TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 0.300
APPLICABLE FROM KM 0.250 TO KM 0.350**

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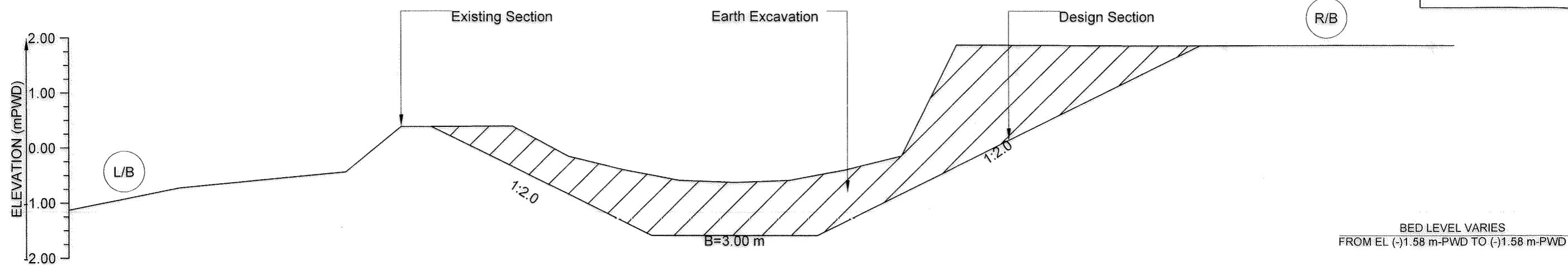
TYPICAL CROSS SECTION OF BHANGAR KHAL

DESIGNED BY:
[Signature]
04.02.25
(MD. MOSTAFA KAMAL), AE

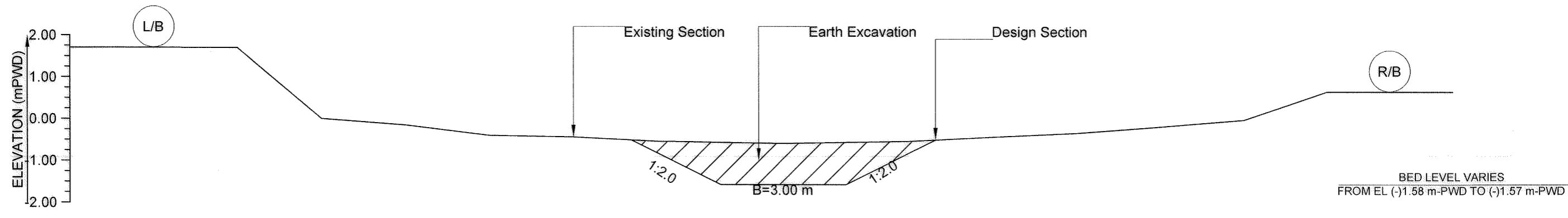
APPROVED BY:

[Signature]
04.02.25
(JAKARIA PERVEZ), SE

CHECKED AND RECOMMENDED BY:
[Signature]
(MD. KAMARUL HASAN), EE



TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 0.400
APPLICABLE FROM KM 0.350 TO KM 0.450



TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 0.500
APPLICABLE FROM KM 0.450 TO KM 0.525

Bangladesh Water Development Board

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TYPICAL CROSS SECTION OF BHANGAR KHAL

DESIGNED BY:

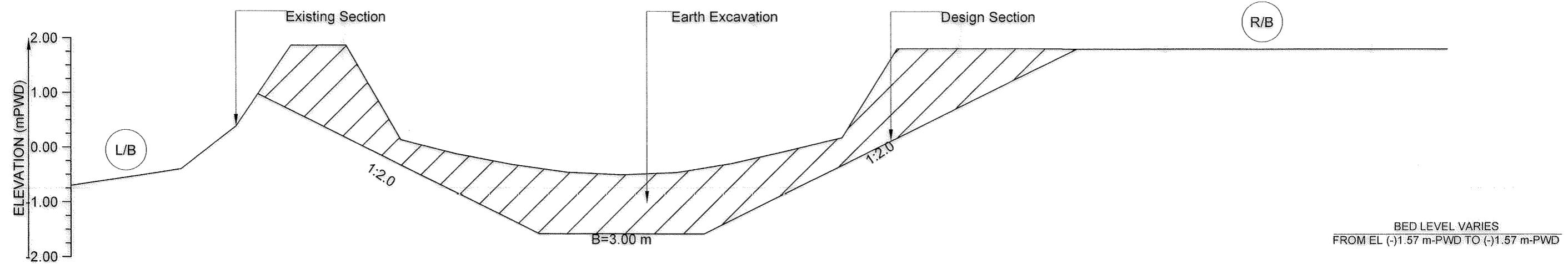
(MD. MOSTAFA KAMAL),AE
09.02.25

APPROVED BY:

(JAKARIA PERVEZ),SE
04.02.25

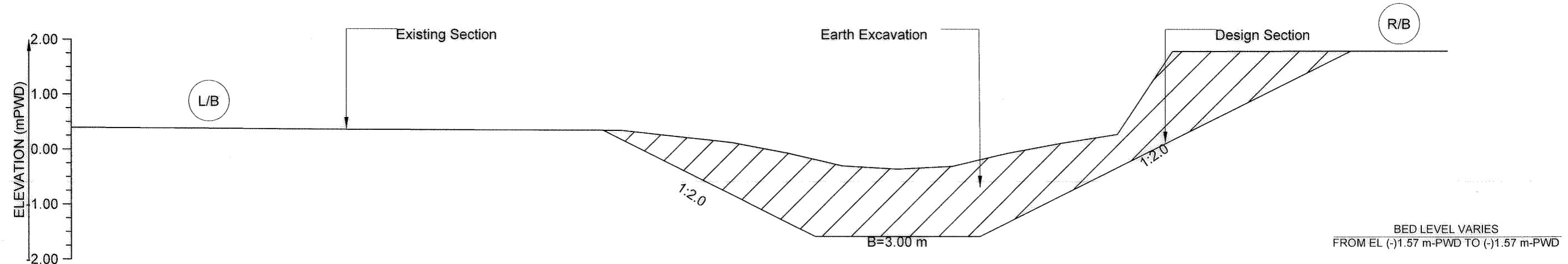
CHECKED AND RECOMMENDED BY:

(MD. KAMARUL HASAN),EE



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	(-)0.703
Distance(m)	0.000
2.000	(-)0.397
3.000	0.385
3.401	0.980
4.000	1.868
5.000	1.873
5.950	0.228
7.000	(-)0.112
8.000	(-)0.307
8.500	(-)0.378(-)1.570
9.000	(-)0.448
10.000	(-)0.497(-)1.570
11.000	(-)0.449
11.576	(-)0.368(-)1.570
12.000	(-)0.287
13.000	(-)0.058
14.000	0.188
14.885	1.631
18.000	1.815
18.270	
25.000	

TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.550
APPLICABLE FROM KM 0.525 TO KM 0.575



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.393
Distance(m)	0.000
5.000	0.368
9.652	0.354
10.000	0.353
11.000	0.242
11.576	0.179
12.000	0.133
13.000	(-)0.058
13.500	(-)0.174(-)1.570
14.000	(-)0.289
15.000	(-)0.347(-)1.570
16.000	(-)0.297
16.500	(-)0.178(-)1.570
17.000	(-)0.059
18.000	0.128
19.000	0.288
20.873	1.993
20.900	1.803
20.946	1.000

TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.600
APPLICABLE FROM KM 0.575 TO KM 0.625

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TYPICAL CROSS SECTION OF BHANGER KHAL

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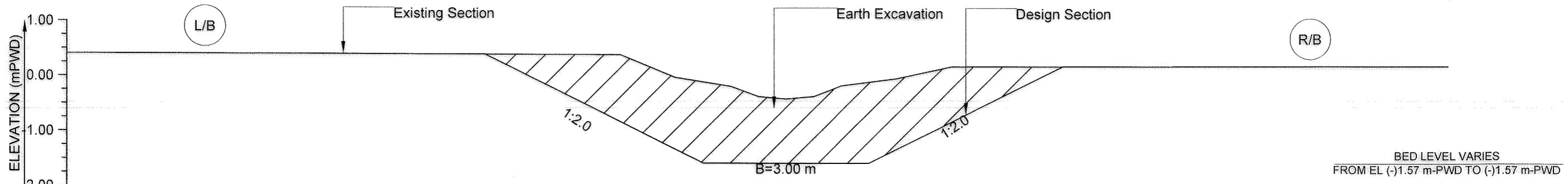
04.02.25
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

04.02.25
(JAKARIA PERVEZ),SE

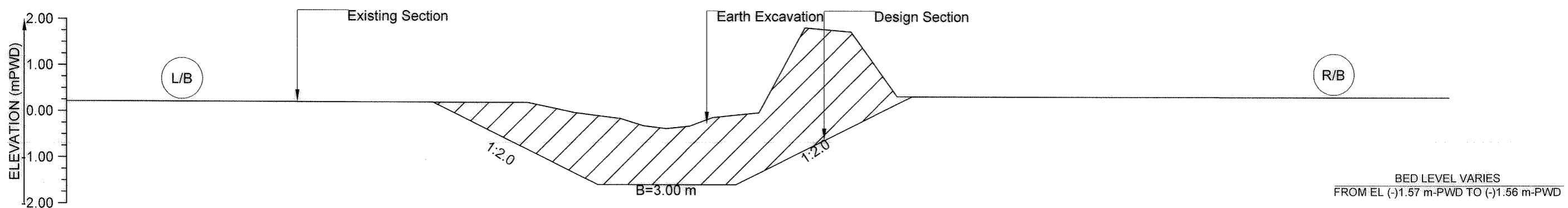
CHECKED AND RECOMMENDED BY:

(MD. KAMARUL HASAN),EE



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	0.405	
Distance(m)	0.000 5.000 7.561 9.531 10.000 11.000 11.500 12.000 12.500 13.000 13.500 14.000 14.500 15.000 16.000 16.258 18.015 20.000 25.000	0.404 0.399 0.396 0.395 0.396 0.395 0.398 0.397 0.396 0.395 0.394 0.393 0.392 0.391 0.390 0.389 0.388 0.190 0.195

TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.650
APPLICABLE FROM KM 0.625 TO KM 0.675



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	0.215	
Distance(m)	0.000 5.000 7.946 9.723 10.000 11.000 11.500 12.000 12.500 13.000 13.500 14.000 14.500 15.000 16.000 16.415 17.000 18.000 25.000 30.000	0.210 0.207 0.205 0.205 0.205 0.205 0.190 0.140 0.296 0.355 0.301 0.115 0.063 0.1570 1.834 1.797 0.345 0.345 0.340 0.334

TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 0.700
APPLICABLE FROM KM 0.675 TO KM 0.750

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TYPICAL CROSS SECTION OF BHANGER KHAL

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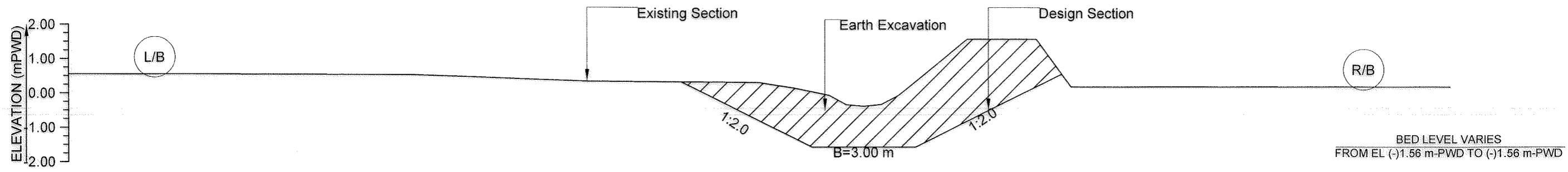
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09.02.25
(JAKARIA PERVEZ), SE

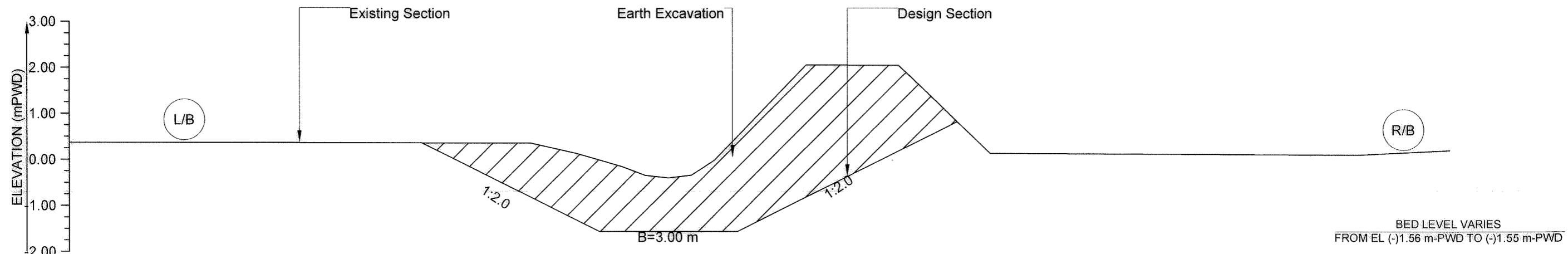
CHECKED AND RECOMMENDED BY:

(MD. KAMARUL HASAN), EE



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	
Distance(m)	

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 0.800
APPLICABLE FROM KM 0.750 TO KM 0.850



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	
Distance(m)	

**TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 0.900
APPLICABLE FROM KM 0.850 TO KM 0.950**

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TYPICAL CROSS SECTION OF BHANGAR KHAL

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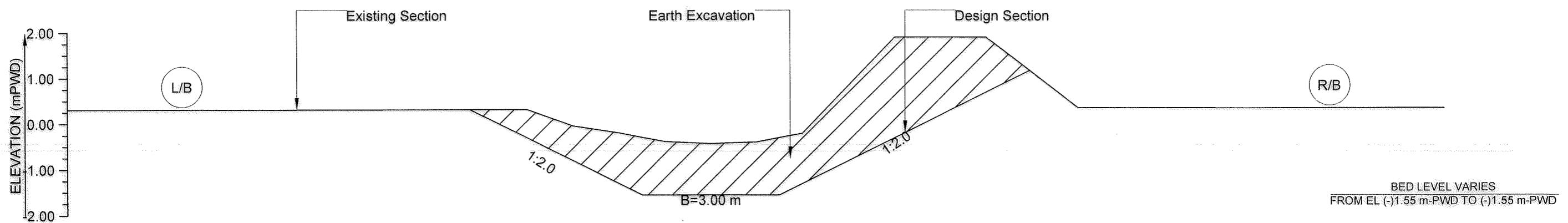
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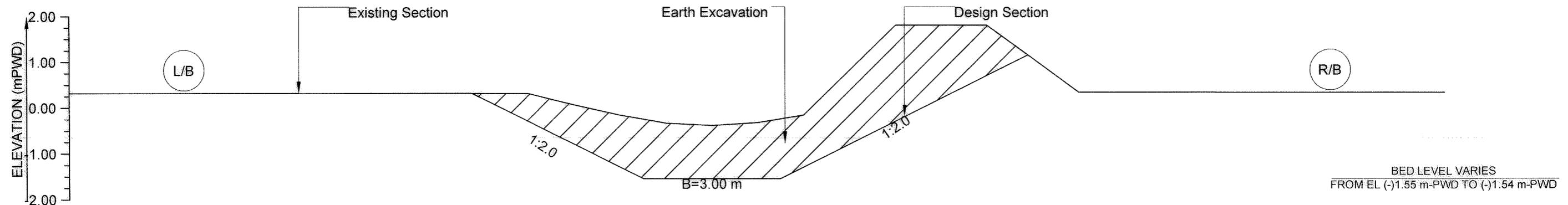
(JAKARIA PERVEZ),SE

Date:04/02/2025 Drawing No:DC5-5786-09/17



Design Bed Level in (mPWD)																												
Existing Bed Level in (mPWD)	0.305																											
Distance(m)	0.000	5.000	8.765	10.000	10.632	11.000	12.000	12.500	13.000	14.000	15.000	15.500	16.000	18.000	20.000	22.000	25.000	30.000										

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.000
APPLICABLE FROM KM 0.950 TO KM 1.050



Design Bed Level in (mPWD)																												
Existing Bed Level in (mPWD)	0.319																											
Distance(m)	0.000	5.000	8.779	10.000	10.640	11.000	12.000	12.500	13.000	14.000	15.000	15.500	16.000	18.000	20.000	22.000	25.000	30.000										

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.100
APPLICABLE FROM KM 1.050 TO KM 1.150

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TYPICAL CROSS SECTION OF BHANGAR KHAL

DESIGNED BY:
[Signature] 09.02.25
(MD. MOSTAFA KAMAL),AE

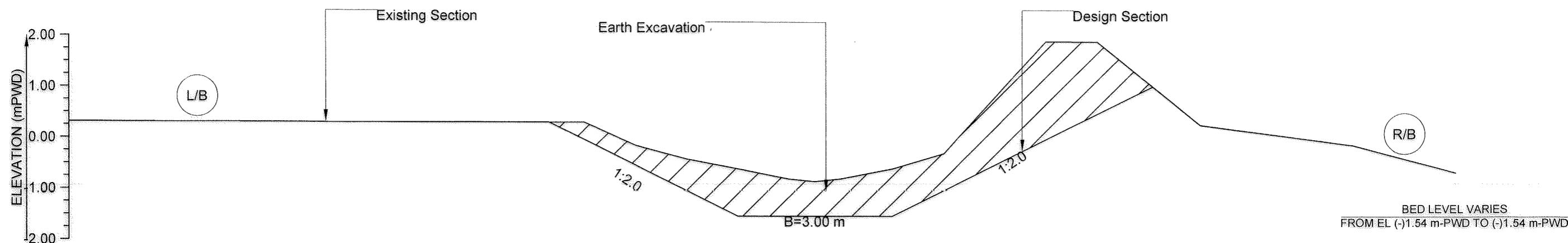
APPROVED BY:

[Signature] 04.02.25
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:
[Signature]
(MD. KAMARUL HASAN),EE

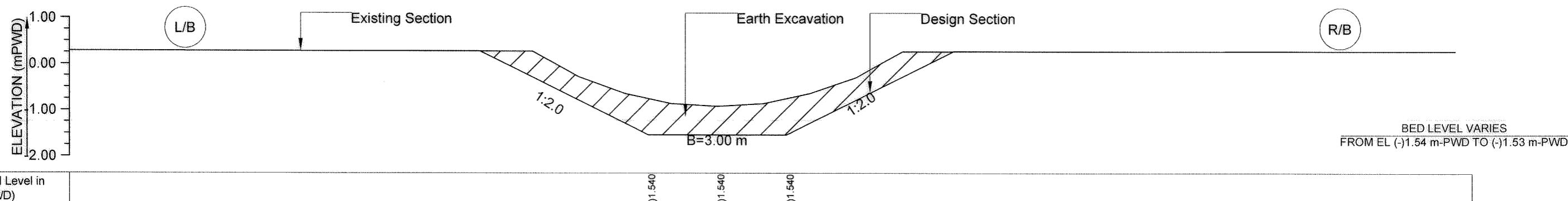
Date:04/02/2025

Drawing No:DC5-5786-10/17



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.311
Distance(m)	0.000
5.000	0.301
9.327	0.297
10.000	0.296
11.163	-0.154 (-)0.198
12.000	-0.424
13.000	-0.615 (-)1.540
14.000	-0.816
14.500	-0.864 (-)1.540
15.000	-0.813
16.000	-0.616 (-)1.540
17.000	-0.315
18.539	1.378
19.000	1.886
20.000	1.878
21.078	0.999
22.000	0.246
25.000	
27.000	-0.684

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.200
APPLICABLE FROM KM 1.150 TO KM 1.250



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.281
Distance(m)	0.000
5.000	0.276
8.876	0.272
10.000	0.271
10.688	-0.111 (-)0.284
12.500	-0.755 (-)1.540
13.000	-0.865
14.000	-0.921 (-)1.540
15.000	-0.864
15.500	-1.540
16.000	-0.646
17.000	-0.299 (-)0.130
17.302	-0.261
18.000	0.261
19.104	0.262
25.000	0.266
30.000	

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.300
APPLICABLE FROM KM 1.250 TO KM 1.350

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Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

TYPICAL CROSS SECTION OF BHANGAR KHAL

DESIGNED BY:

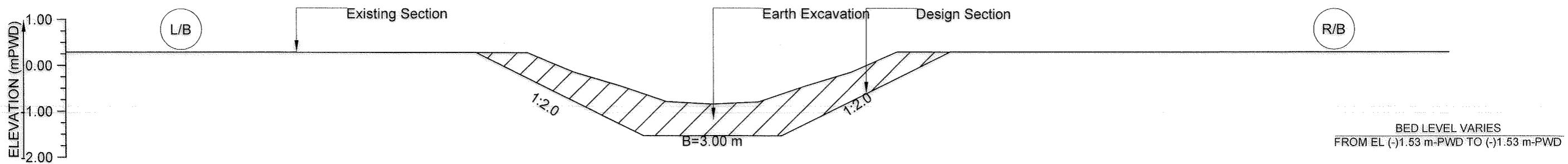
09.02.25
(MD. MOSTAFA KAMAL), AE

APPROVED BY:

04.02.25
(JAKARIA PERVEZ), SE

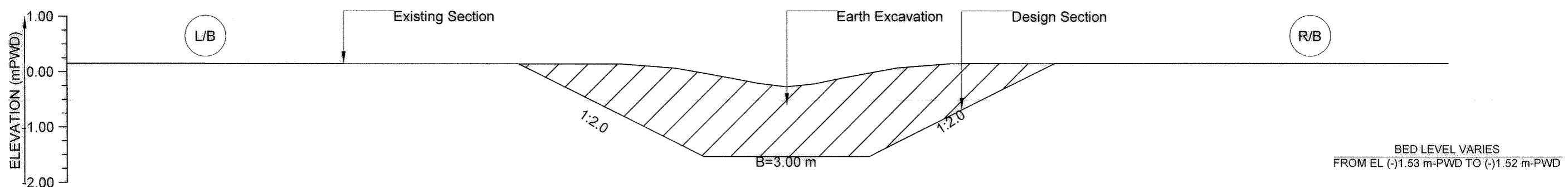
CHECKED AND RECOMMENDED BY:

(MD. KAMARUL HASAN), EE



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	0.286	
Distance(m)	0.000 5.000 8.886 10.000 10.693 11.000 12.000 12.500 13.000 14.000 15.000 15.500 16.000 17.000 17.327 18.000 19.154 25.000 30.000	0.281 0.277 0.276 (-0.016) (-0.146) (-0.445) (-0.617) (-1.530) (-0.789) (-0.845) (-1.530) (-0.794) (-0.824) (-1.530) (-0.454) (-0.145) (-0.001) 0.297 0.301 0.306

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.400
APPLICABLE FROM KM 1.350 TO KM 1.450



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	0.148	
Distance(m)	0.000 5.000 8.160 9.830 10.000 11.000 11.500 12.000 12.500 13.000 13.500 14.000 14.500 15.000 16.000 16.180 17.861 20.000	0.143 0.140 0.138 0.138 0.062 (-0.028) (-1.530) (-0.117) (-0.212) (-0.272) (-1.530) (-0.118) (-0.025) (-1.530) (-0.068) (-0.148) 0.150 0.158

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.500
APPLICABLE FROM KM 1.450 TO KM 1.550

Bangladesh Water Development Board
Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

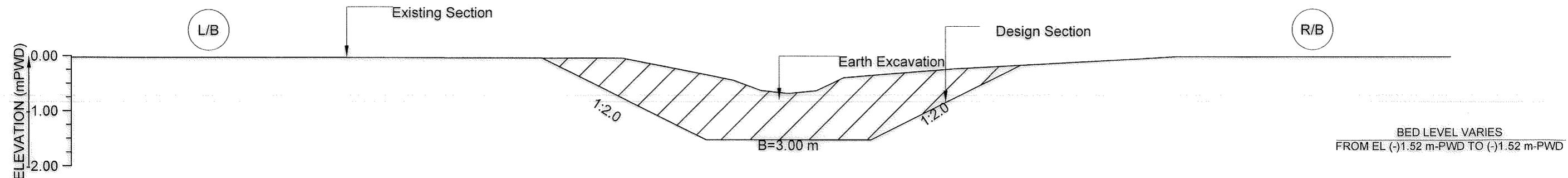
Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

TYPICAL CROSS SECTION OF BHANGAR KHAL

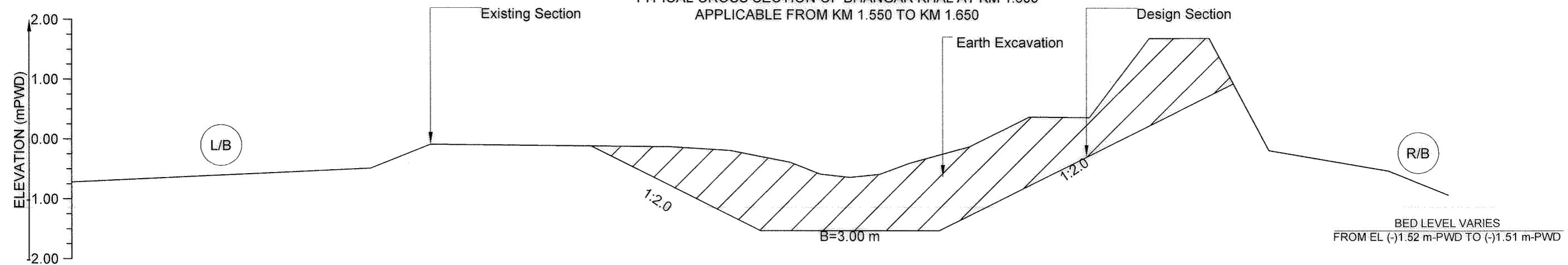
DESIGNED BY:
[Signature] 09.02.25
(MD. MOSTAFA KAMAL), AE

APPROVED BY:
[Signature] 04.02.25
(JAKARIA PERVEZ), SE

CHECKED AND RECOMMENDED BY:
[Signature]
(MD. KAMARUL HASAN), EE



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
0.032	(-)0.035	5.000
-0.040		8.540
-0.042		10.000
-0.238		11.000
-0.340		11.500
-1.520		12.000
-0.442		12.500
-0.627		13.000
-0.682		13.500
-1.520		14.000
-0.393		14.500
-0.355		15.000
-1.520		15.500
-0.244		16.000
-0.232		16.500
-0.166		17.000
-0.012		20.000
-0.007		25.000



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
0.720	(-)0.481	5.000
-0.081		6.000
-0.108		8.676
-0.121		10.000
-0.182		11.000
-0.282		11.500
-1.520		12.000
-0.381		12.500
-0.578		13.000
-0.630		13.500
-1.520		14.000
-0.395		14.500
-0.256		15.000
-1.520		16.000
0.380		16.953
0.370		17.000
1.690		18.000
1.695		19.000
0.933		19.406
-0.180		20.000
-0.520		22.000
-0.920		23.000

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Bhanger khal from km. 0.000 to km. 2.682 in polder -2 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025.

TYPICAL CROSS SECTION OF BHANGER KHAL

DESIGNED BY:

 (MD. MOSTAFA KAMAL), AE
 04.02.25

APPROVED BY:

 (JAKARIA PERVEZ), SE
 04.02.25

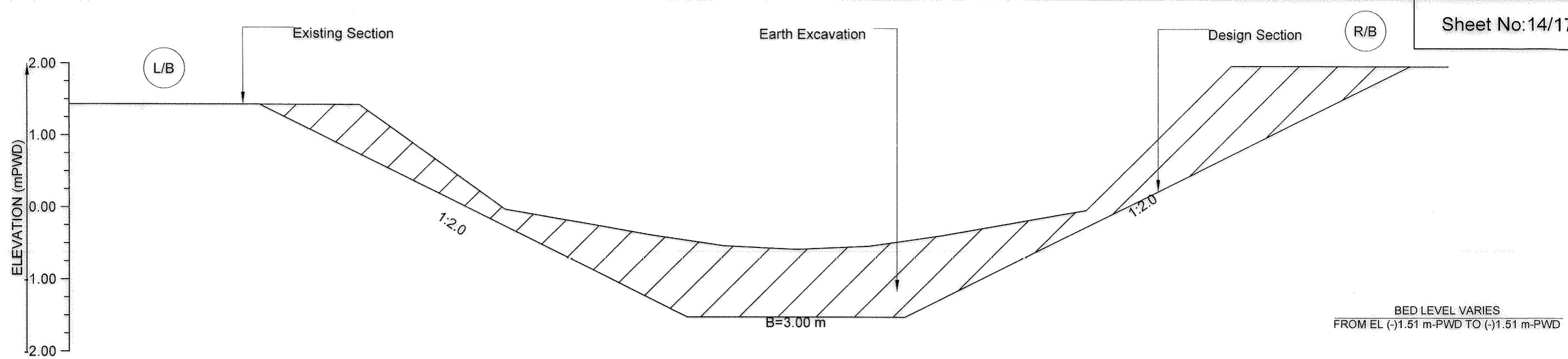
CHECKED AND RECOMMENDED BY:

 (MD. KAMARUL HASAN), EE
 04.02.25

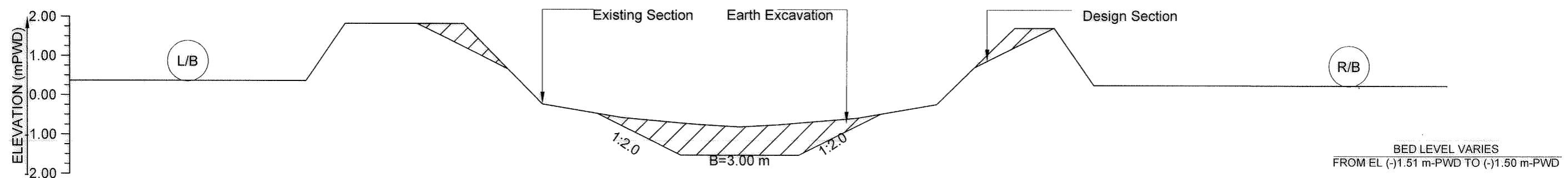
(JAKARIA PERVEZ), SE

Date: 04/02/2025

Drawing No: DC5-5786-13/17



**TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.800
APPLICABLE FROM KM 1.750 TO KM 1.850**



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	
Distance(m)	

**TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 1.900
APPLICABLE FROM KM 1.850 TO KM 1.950**

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Bhangar khal from km. 0.000 to km. 2.682 in polder -2
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under
Specialized Division, BWDB, Gopalganj during the year 2024-2025.

TYPICAL CROSS SECTION OF BHANGAR KHAL

DESIGNED BY:

09.02.25
(MD MOSTAFA KAMAL) AF

APPROVED BY

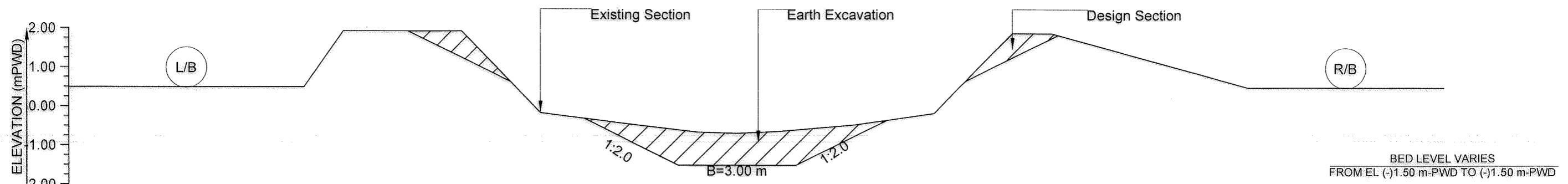
CHECKED AND RECOMMENDED BY:
A. C. A. S. A.
(MD. KAMARUL HASSAN LEE)

64.02.25

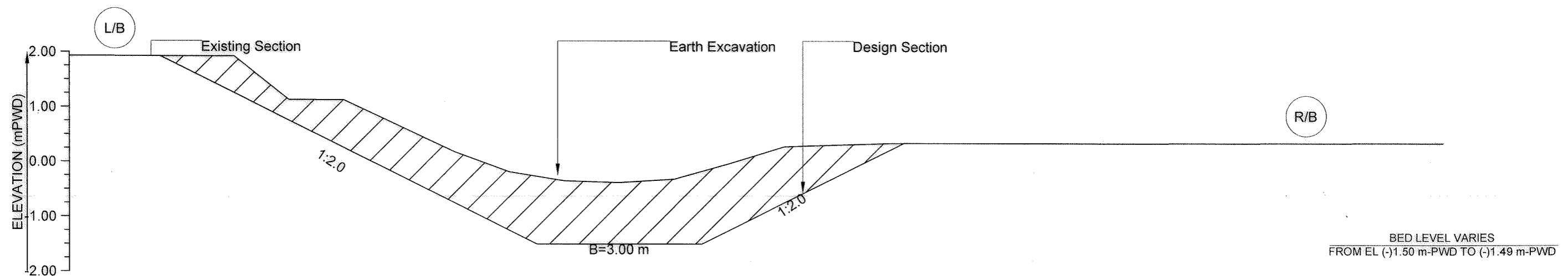
(JAKARIA PERVEZ) SE

Date:04/02/2025

Drawing No:DC5-5786-14/17



TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 2.000
APPLICABLE FROM KM 1.950 TO KM 2.050



TYPICAL CROSS SECTION OF BHANGER KHAL AT KM 2.100
APPLICABLE FROM KM 2.050 TO KM 2.150

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

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in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under
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TYPICAL CROSS SECTION OF BHANGER KHAL

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09.02.25
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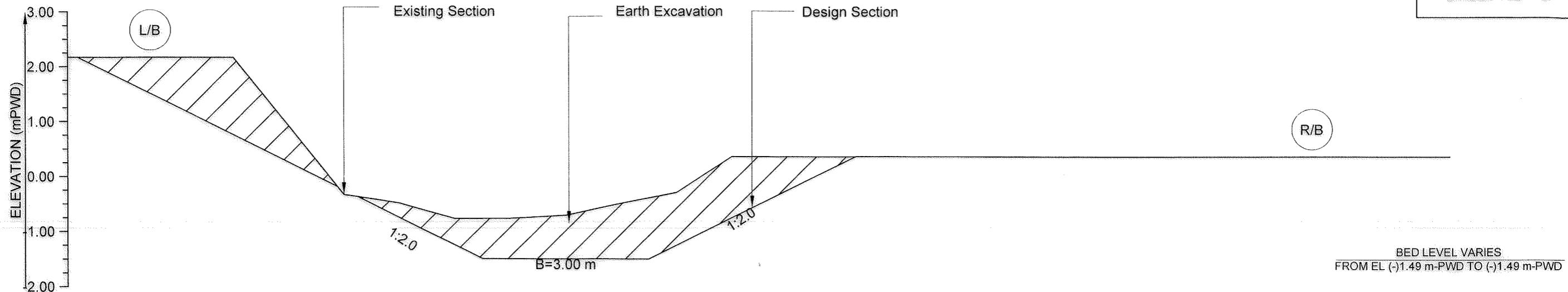
04.02.25
(JAKARIA PERVEZ), SE

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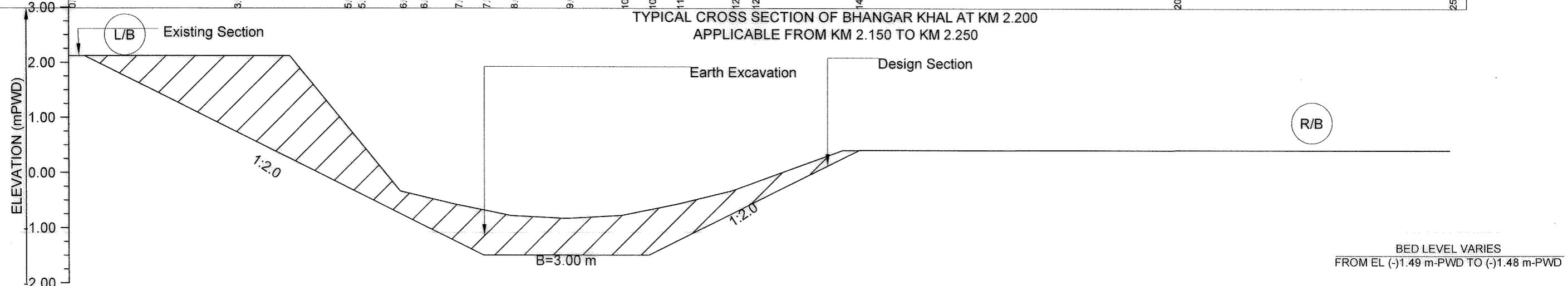
(MD. KAMARUL HASAN), EE

Date:04/02/2025

Drawing No:DC5-5786-15/17



Design Bed Level in (mPWD)	2.168
Existing Bed Level in (mPWD)	2.173
Distance(m)	0.000 3.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 20.000 25.000



Design Bed Level in (mPWD)	2.118
Existing Bed Level in (mPWD)	2.118
Distance(m)	0.000 0.283 3.892 6.000 7.000 7.500 8.000 9.000 10.000 11.000 12.000 12.398 14.000 20.000 25.000

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 2.200
APPLICABLE FROM KM 2.150 TO KM 2.250

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 2.300
APPLICABLE FROM KM 2.250 TO KM 2.350

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

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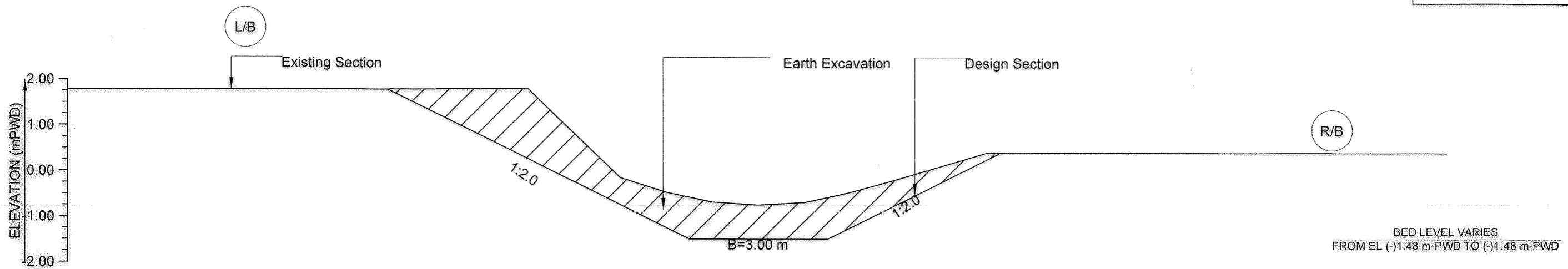
APPROVED BY:

(JAKARIA PERVEZ),SE
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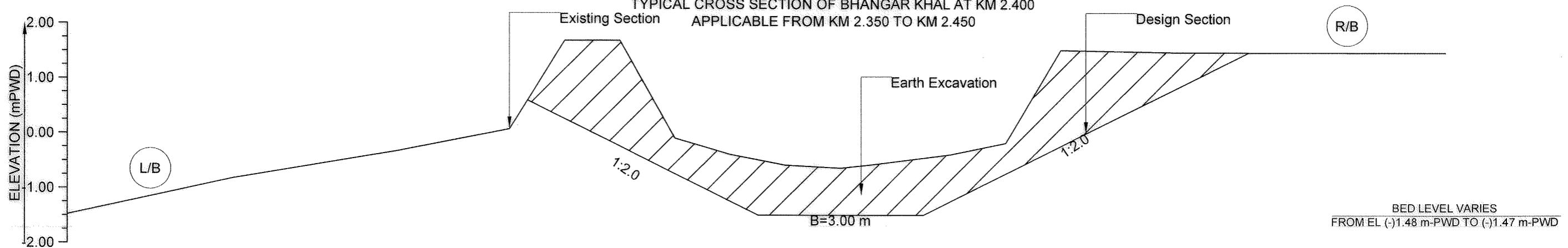
CHECKED AND RECOMMENDED BY:

(MD. KAMARUL HASAN),EE

(JAKARIA PERVEZ),SE



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	1.774	
Distance(m)	0.000 3.952 6.952 10.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 20.000 25.000 30.000	1.794 1.585 1.585 1.480 1.480 1.480 1.480 1.480 1.480 1.480 1.480 0.414 0.409 0.409



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	(-)1.479	
Distance(m)	0.000 3.000 6.000 8.000 10.000 12.000 12.500 13.000 14.000 14.500 15.000 16.000 17.000 18.000 20.000 21.418 25.000	(-)0.818 (-)0.318 0.082 0.326 0.607 0.961 1.692 1.697 1.961 2.318 2.673 3.033 3.383 3.733 4.083 1.479 1.479 1.472

TYPICAL CROSS SECTION OF BHANGAR KHAL AT KM 2.500
APPLICABLE FROM KM 2.450 TO KM 2.549

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

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