

# Bangladesh Water Development Board

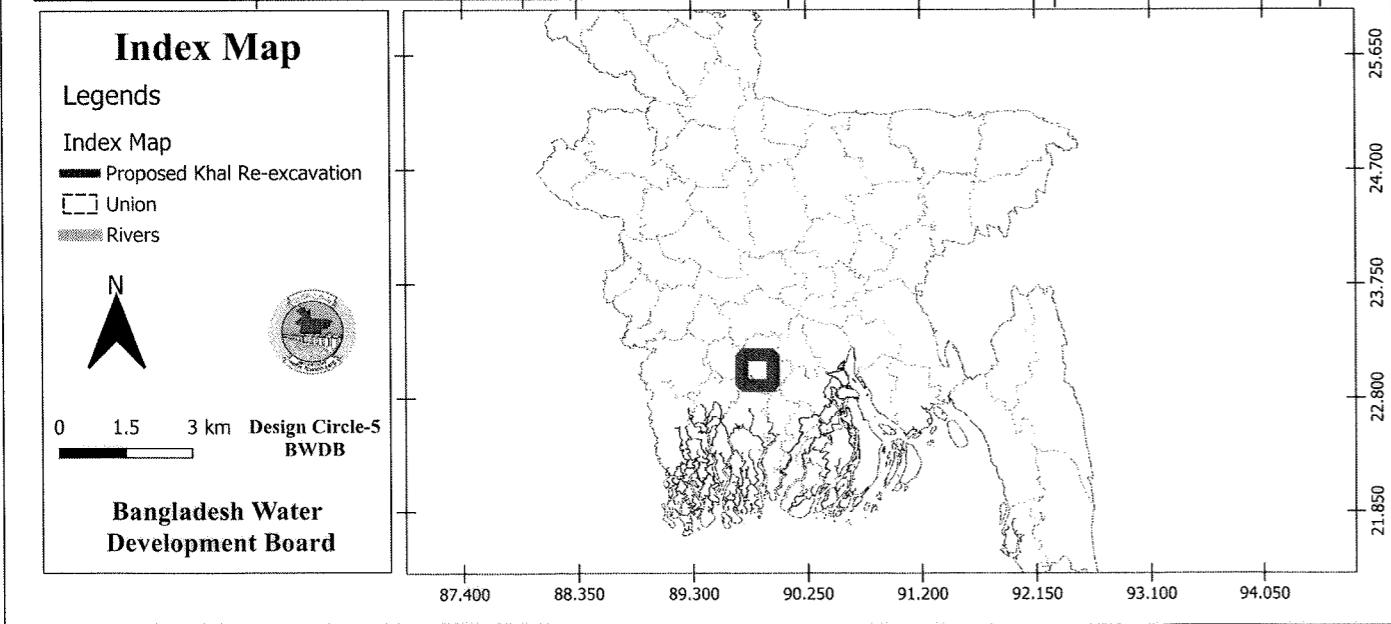
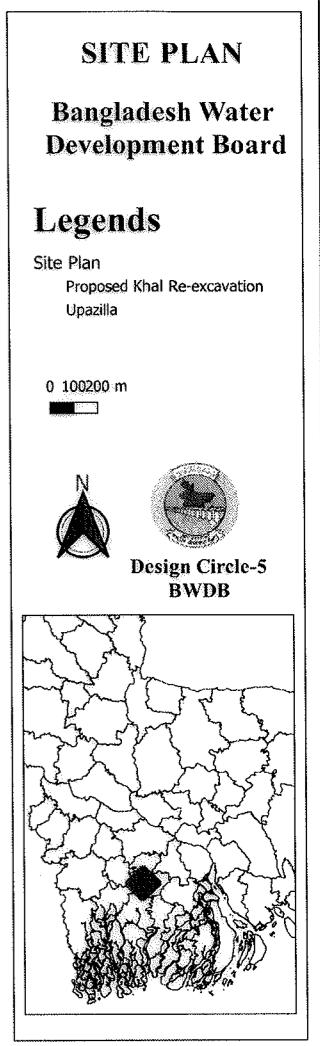
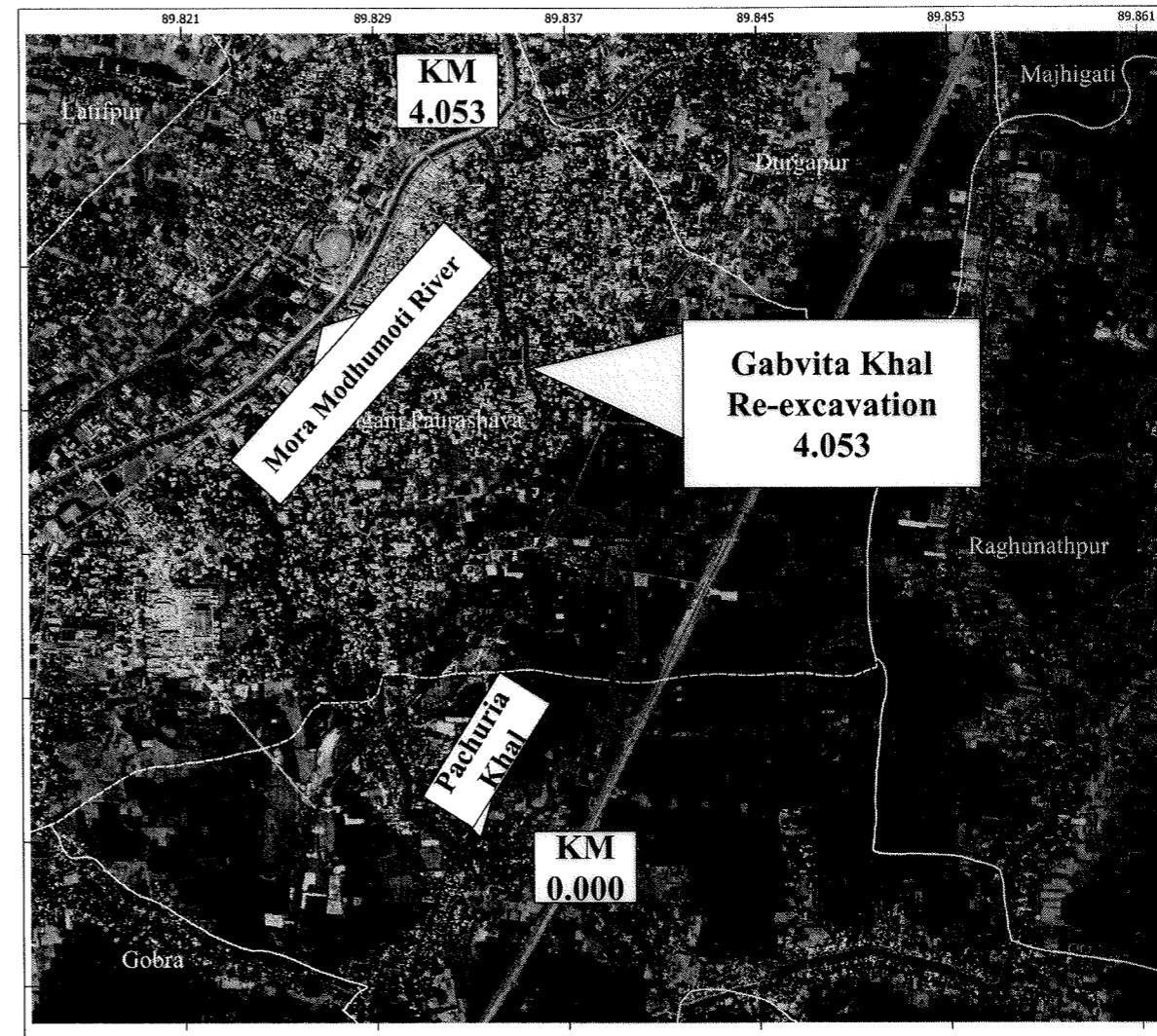
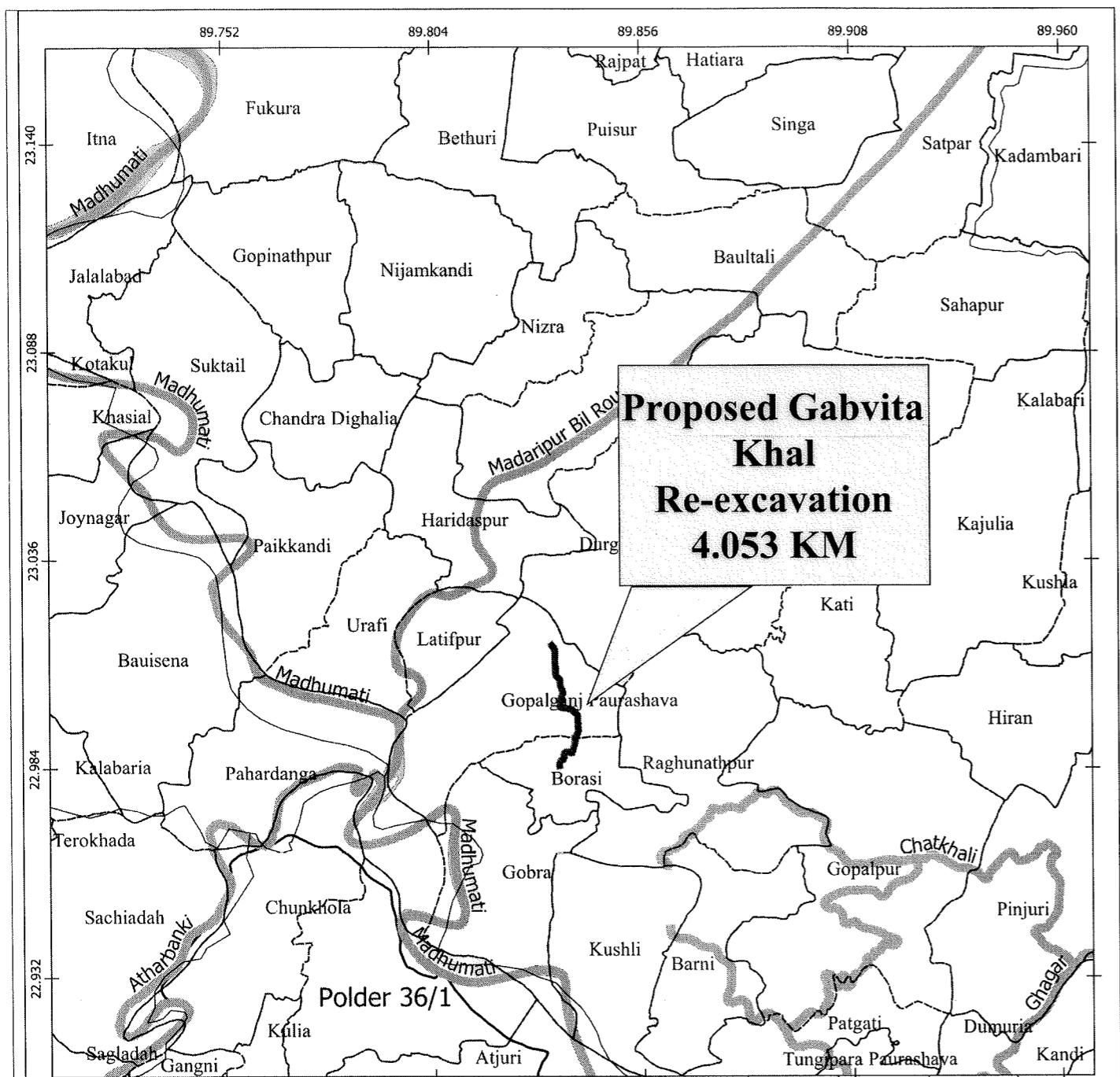
CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project  
under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025

SMO, IDWRM-KT

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 Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 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 GABVITA KHAL**

DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	25/02/2024

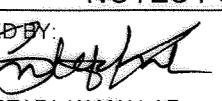
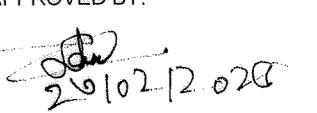
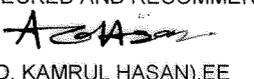
Date: 23/2/2025 Drawing No: DC5-5793-01/25

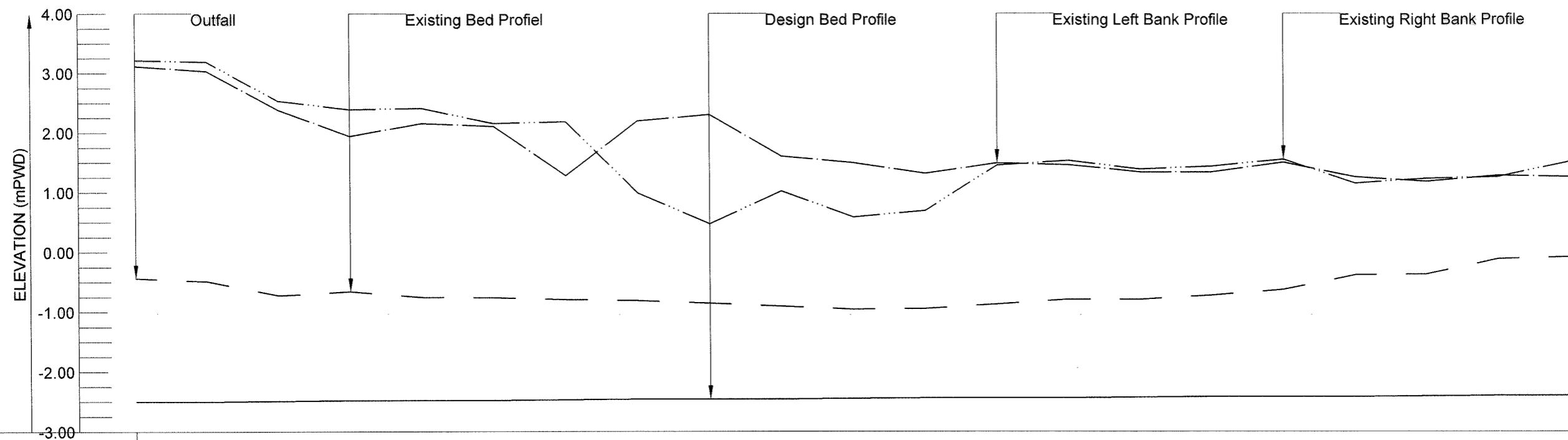
**Administrative Notes :**

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 :**

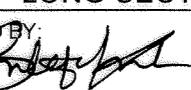
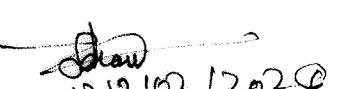
1. THIS REVISED DRAWING HAS BEEN PREPARED AS PER PROPOSAL AND DESIGN DATA SUBMITTED BY PD,CRISP-WRM HIS OFFICE MEMO NO-PMO/166; DATE: 28/10/2024.
2. THIS RE-REEXCAVATION WORK HAS ALSO BEEN DESIGNED CONSIDERING THE WATER RESERVOIR AS WELL AS FOR IRRIGATION PURPOSE.
3. IF THE EXISTING BED LEVEL OF THE 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.

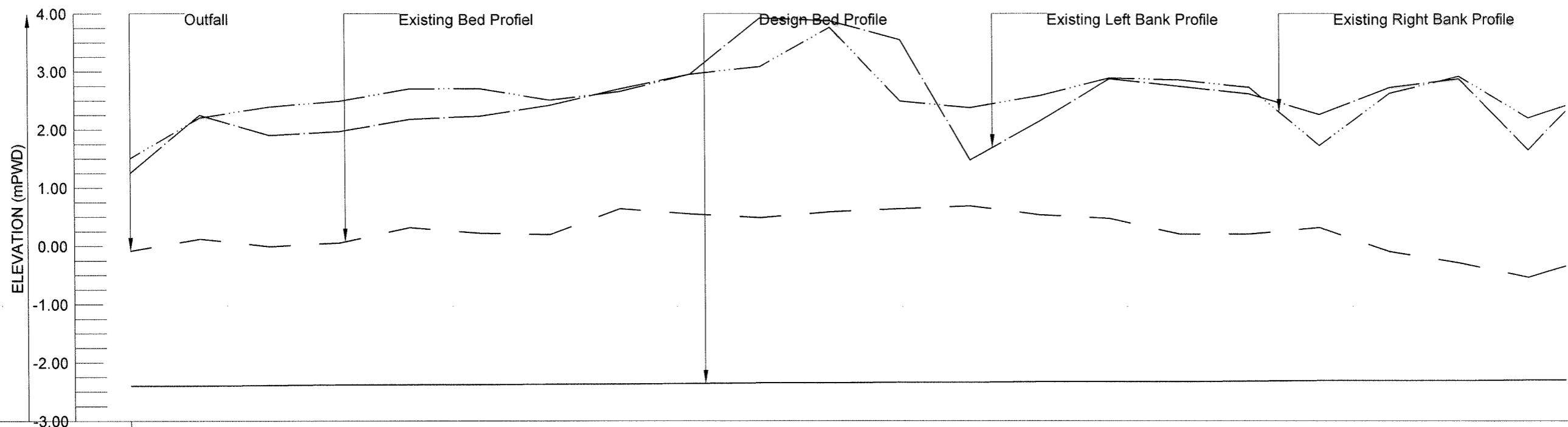
Bangladesh Water Development Board	
Office of The Superintending Engineer,Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
NOTES FOR GABVITA KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	
Date:23/2/2025	Drawing No:DC5-5793-02/25



	Design Bed Width(m)	Design Bed Level (mPWD)	Existing Bed Level (mPWD)	Existing Left Bank Level (mPWD)	Existing Right Bank Level (mPWD)	Distance(Km)
0.000	3.114	3.214 (-)0.440 (-)2.500				
0.100	3.032	3.187 (-)0.488				
0.200	2.378	2.527 (-)0.728 (-)2.490				
0.300	1.941	2.388 (-)0.661 (-)2.480				
0.400	2.153	2.408 (-)0.756				
0.500	2.105	2.153 (-)0.763				
0.600	1.276	2.180 (-)0.796 (-)2.470				
0.700	2.193	0.988 (-)0.815 (-)2.460				
0.800	2.301	0.471 (-)0.857				
0.900	1.602	1.019 (-)0.908				
1.000	1.491	0.581 (-)0.959 (-)2.450				
1.100	1.313	0.693 (-)0.947 (-)2.440				
1.200	1.487	1.452 (-)0.873				
1.300	1.456	1.527 (-)0.793				
1.400	1.334	1.385 (-)0.795 (-)2.430				
1.500	1.335	1.433 (-)0.725 (-)2.420				
1.600	1.498	1.549 (-)0.631				
1.700	1.253	1.148 (-)0.386				
1.800	1.177	1.228 (-)0.372 (-)2.410				
1.900	1.255	1.119 (-)0.400				
2.000	1.255	1.506 (-)0.084				

LONG SECTION OF GABVITA KHAL APPLICABLE FROM KM 0.000 TO KM 2.000

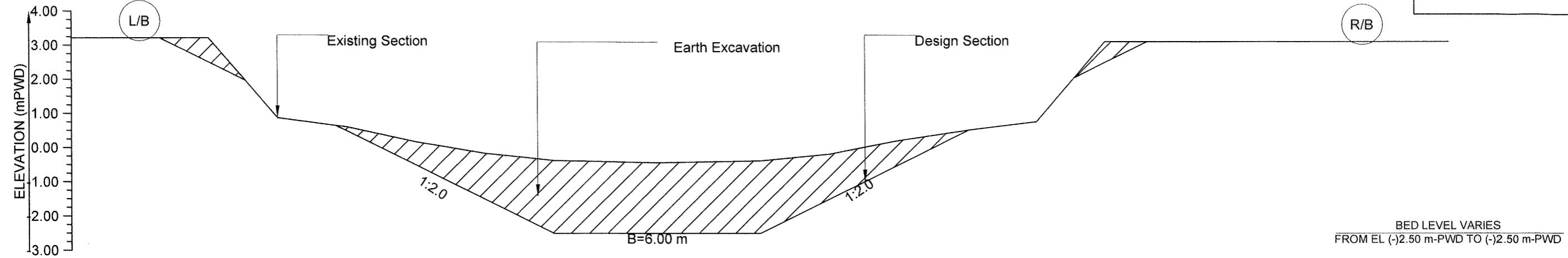
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LONG SECTION OF GABVITA KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  26/02/2020 (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	
Date:23/2/2025	Drawing No:DC5-5793-03/25



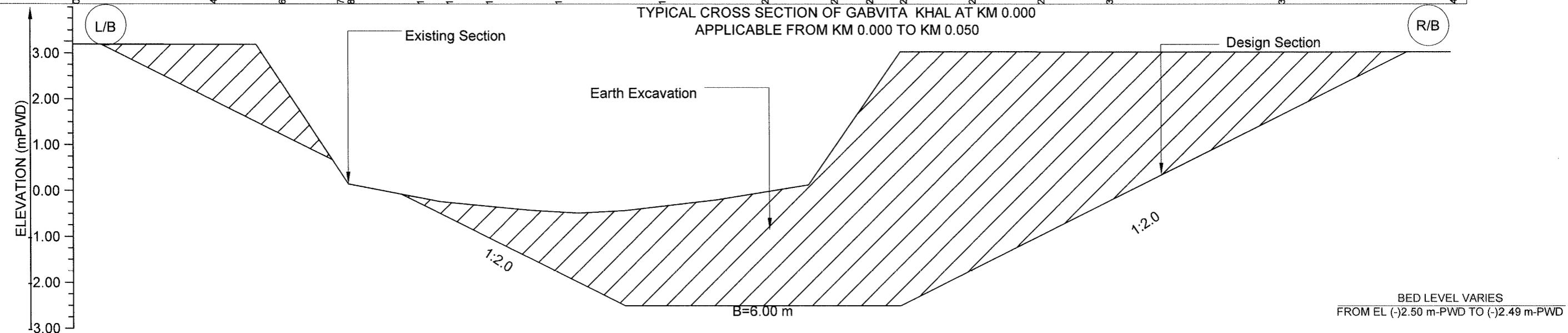
	Design Bed Width(m)	Design Bed Level (mPWD)	Existing Bed Level (mPWD)	Existing Left Bank Level (mPWD)	Existing Right Bank Level (mPWD)	Distance(Km)
2.000	1.255	1.506	(-)0.084	(-)2.400		
2.100	2.249	2.201	0.121			
2.200	1.899	2.389	(-)0.010	(-)2.390		
2.300	1.966	2.489	0.054	(-)2.380		
2.400	2.179	2.702	0.317			
2.500	2.232	2.707	0.220			
2.600	2.418	2.508	0.198	(-)2.370		
2.700	2.700	2.652	0.638			
2.800	2.949	2.951	0.549	(-)2.360		
2.900	3.925	3.085	0.485	(-)2.350		
3.000	3.874	3.760	0.585			
3.100	3.547	2.487	0.637	(-)2.340		
3.200	1.476	2.376	0.687			
3.300	2.147	2.582	0.532	(-)2.330		
3.400	2.872	2.887	0.472			
3.500	2.742	2.852	0.202			
3.600	2.613	2.725	0.203	(-)2.320		
3.700	2.257	1.723	0.313	(-)2.310		
3.800	2.718	2.618	(-)0.096			
3.900	2.865	2.910	(-)0.290			
4.000	1.646	2.195	(-)0.540	(-)2.300		
4.053	2.306	2.405	(-)0.347			

LONG SECTION OF GABVITA KHAL APPLICABLE FROM KM 2.000 TO KM 4.053

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DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	
Date:23/2/2025	Drawing No:DC5-5793-04/25



Design Bed Level in (mPWD)	3.209
Existing Bed Level in (mPWD)	4.000 3.214 6.000 0.875 7.691 0.654 8.000 0.614
Distance(m)	4.00 0.000 3.209 4.000 3.214 6.000 0.875 7.691 0.654 8.000 0.614 10.000 0.175 10.846 0.033 12.000 (-)0.160 14.000 (-)0.376(-)2.500 17.000 (-)0.440(-)2.500 20.000 (-)0.385(-)2.500 22.000 (-)0.186 23.019 0.018 24.000 0.214 26.000 0.514 28.000 0.760 30.000 3.114 35.000 3.105 40.000 3.100



Design Bed Level in (mPWD)	3.192
Existing Bed Level in (mPWD)	4.000 3.187 6.000 0.147 7.148 (-)0.074 8.000 (-)0.238 9.574 (-)0.389 10.000 (-)0.430 11.000 (-)0.488 12.000 (-)0.432(-)2.500 14.000 (-)0.199 15.000 (-)0.036(-)2.500 16.000 0.127 18.000 3.032 (-)2.500 21.000 3.027 23.557 26.000 29.054 30.000
Distance(m)	0.000 3.192 4.000 3.187 6.000 0.147 7.148 (-)0.074 8.000 (-)0.238 9.574 (-)0.389 10.000 (-)0.430 11.000 (-)0.488 12.000 (-)0.432(-)2.500 14.000 (-)0.199 15.000 (-)0.036(-)2.500 16.000 0.127 18.000 3.032 (-)2.500 21.000 3.027 23.557 26.000 29.054 30.000

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

Bangladesh Water Development Board

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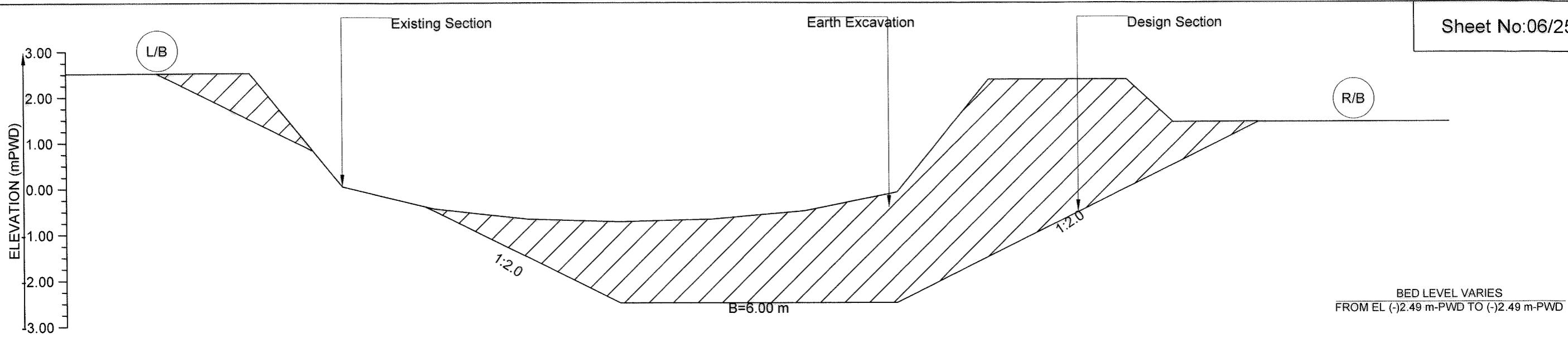
TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

26/02/2023  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE



Design Bed Level in (mPWD)	2.516
Existing Bed Level in (mPWD)	
Distance(m)	

0.000 2.516

4.000 2.527

6.000 0.047

7.802 (-)0.391  
8.000 (-)0.439

9.901 (-)0.655

12.000 (-)0.728(-)2.490

14.000 (-)0.673

15.000 (-)0.583(-)2.490

16.000 (-)0.493

18.000 (-)0.087(-)2.490

20.000 2.378

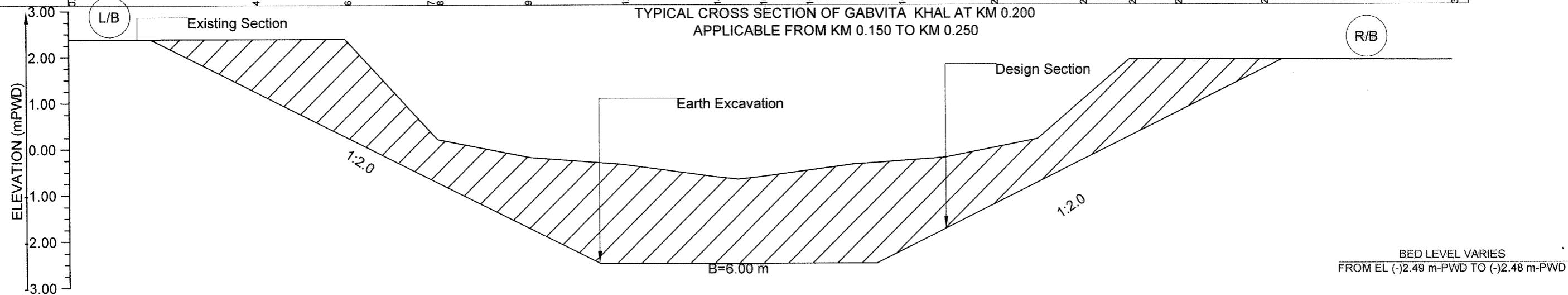
21.934 2.377

23.000 2.377

24.000 1.447

25.868 1.444

30.000 1.437



Design Bed Level in (mPWD)	2.377
Existing Bed Level in (mPWD)	
Distance(m)	

0.000 2.377

1.775 2.382  
2.000 2.383

6.000 2.388

6.638 1.693

8.000 0.207

10.000 (-)0.187

11.500 (-)0.300(-)2.480

12.000 (-)0.338

14.000 (-)0.607  
14.500 (-)0.661(-)2.480

15.000 (-)0.608

17.000 (-)0.339

17.500 (-)0.302(-)2.480

19.000 (-)0.192

21.906 0.993

23.000 1.941

26.000 1.928  
26.313 1.926

30.000 1.908

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.200  
APPLICABLE FROM KM 0.150 TO KM 0.250

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

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 GABVITA KHAL

DESIGNED BY:

(MD. MOSTAFA KAMAL),AE

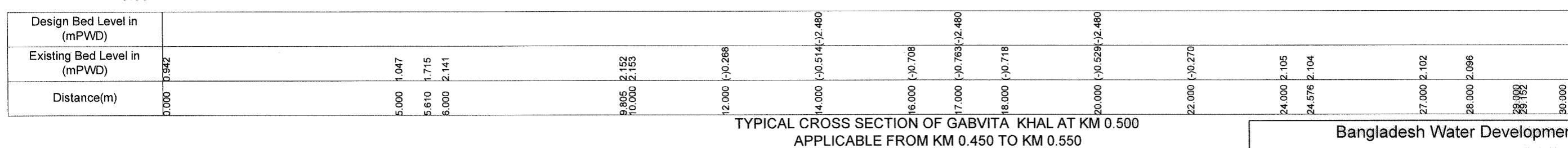
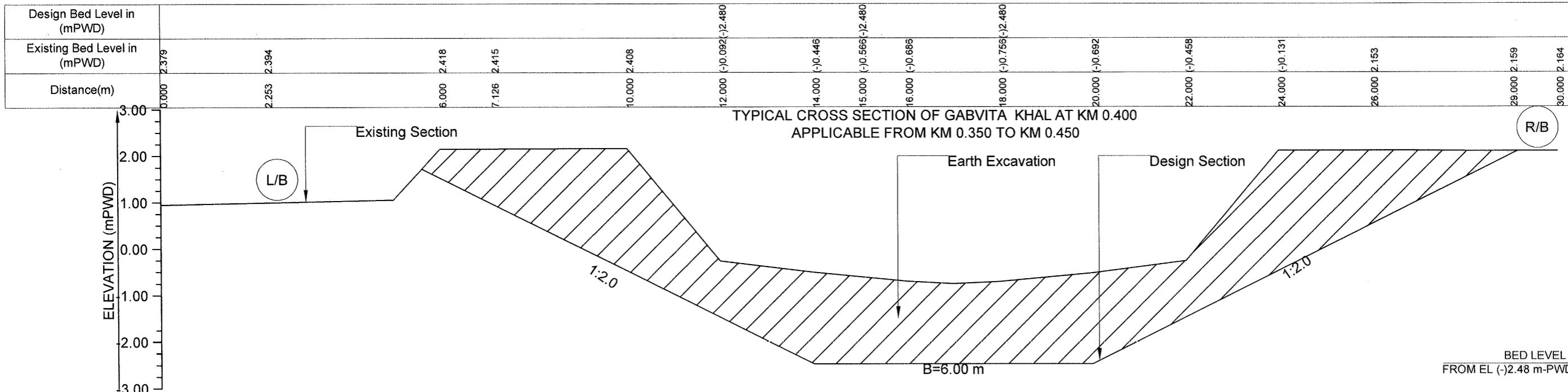
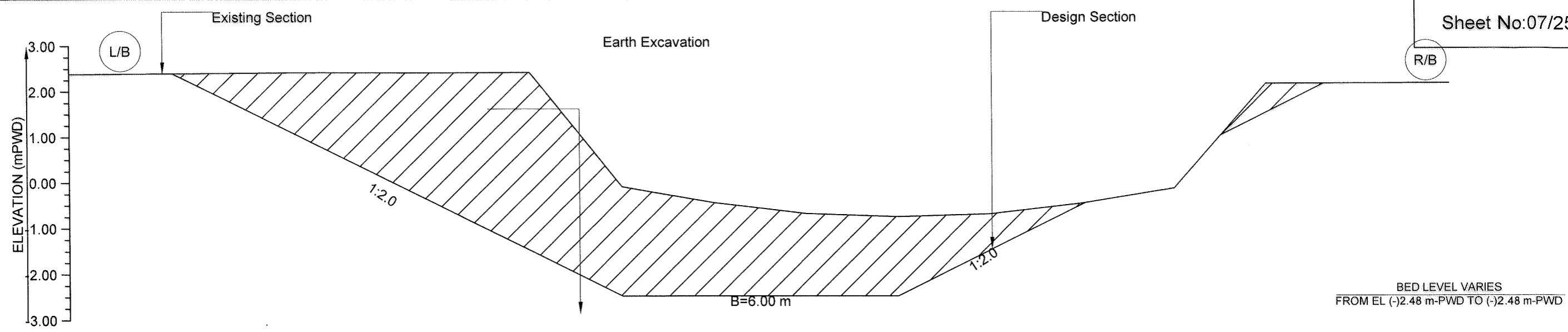
APPROVED BY:

  
26/10/2020

CHECKED AND RECOMMENDED BY:

  
(MD. KAMRUL HASAN),EE

(JAKARIA PERVEZ),SE



Bangladesh Water Development Board

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CRISP-WRM

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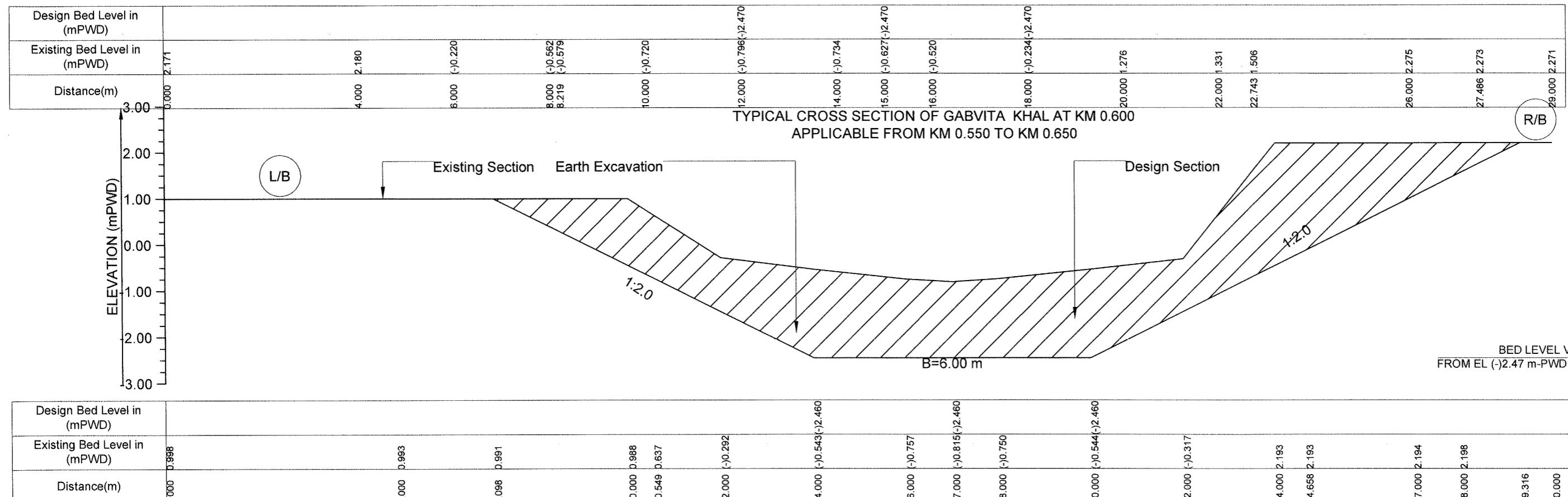
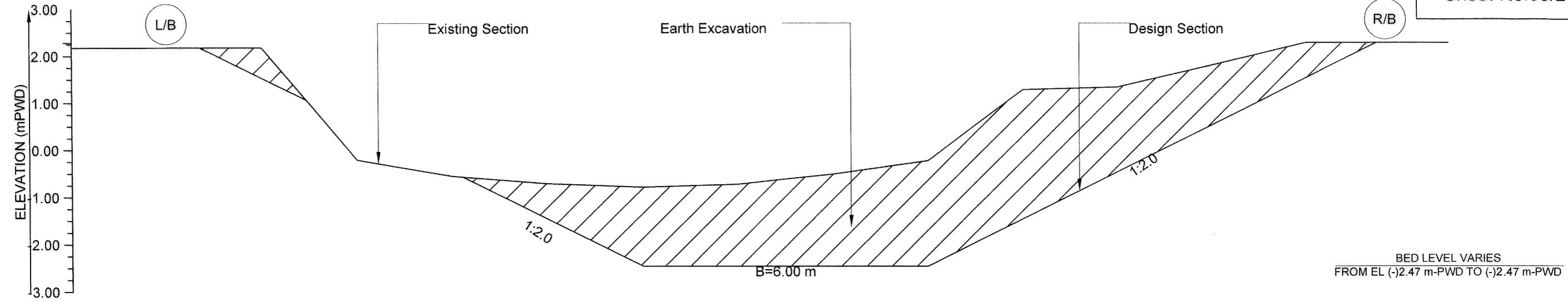
DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

  
(JAKARIA PERVEZ),SECHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

Date:23/2/2025

Drawing No:DC5-5793-07/25



Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

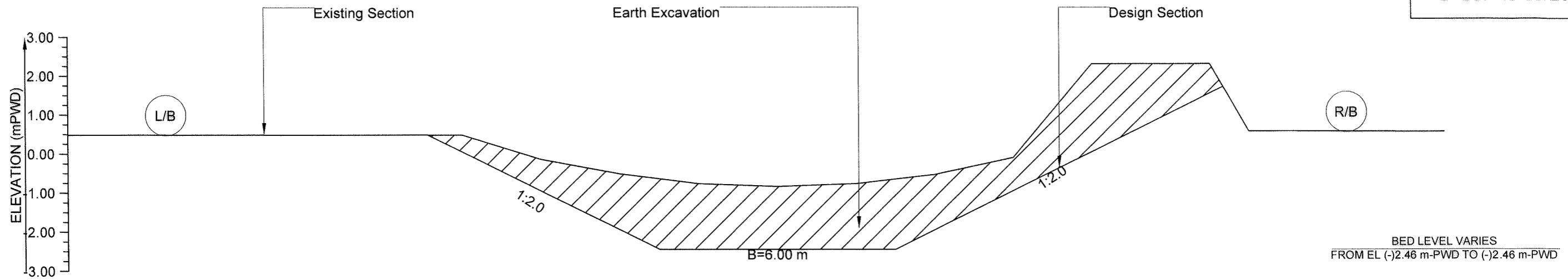
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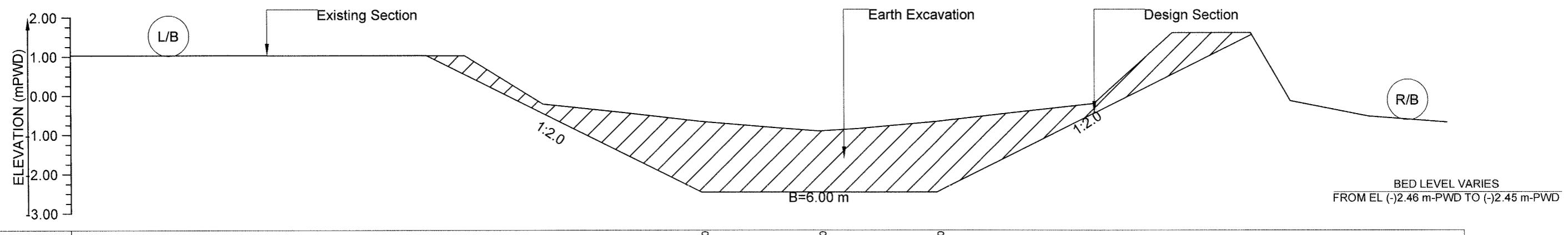
DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

  
(JAKARIA PERVEZ),SECHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE



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



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

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

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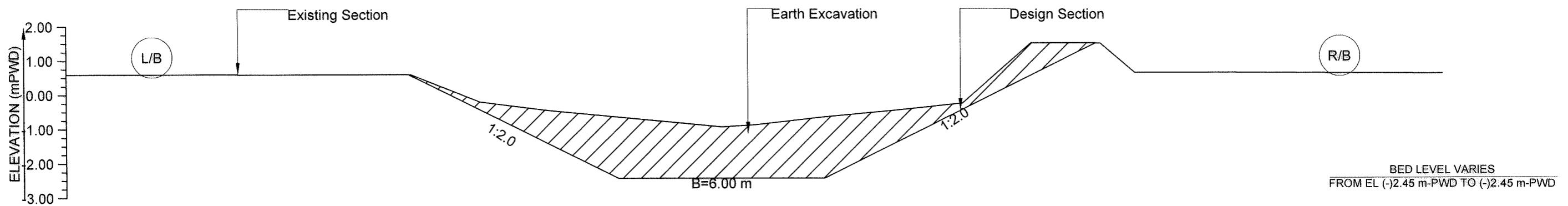
TYPICAL CROSS SECTION OF GABVITA KHAL

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APPROVED BY:

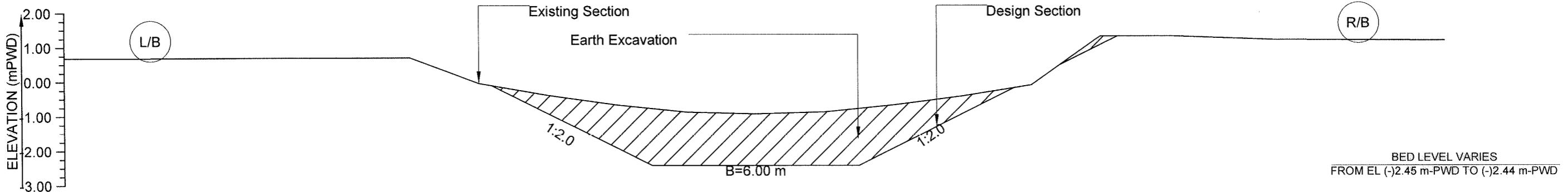
20/02/2025  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE



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

Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
0.591	0.586	0.000
0.581	0.581	5.000
0.581	0.581	9.938
0.581	0.581	12.000
0.581	0.581	12.969
0.581	0.581	14.000
0.581	0.581	16.000
0.581	0.581	18.000
0.581	0.581	19.000
0.581	0.581	20.000
0.581	0.581	22.000
0.581	0.581	24.000
0.581	0.581	25.936
0.581	0.581	28.000
0.581	0.581	29.873
0.581	0.581	31.000
0.581	0.581	34.000
0.581	0.581	40.000



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

Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
0.678	0.688	0.000
0.693	0.693	5.000
0.693	0.693	10.000
0.693	0.693	12.000
0.693	0.693	12.363
0.693	0.693	14.000
0.693	0.693	14.681
0.693	0.693	16.000
0.693	0.693	17.000
0.693	0.693	18.000
0.693	0.693	20.000
0.693	0.693	22.000
0.693	0.693	23.000
0.693	0.693	24.000
0.693	0.693	25.247
0.693	0.693	26.000
0.693	0.693	27.494
0.693	0.693	28.000
0.693	0.693	30.000
0.693	0.693	32.000
0.693	0.693	35.000
0.693	0.693	40.000

Bangladesh Water Development Board

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TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
 (MD. MOSTAFA KAMAL),AE

APPROVED BY:

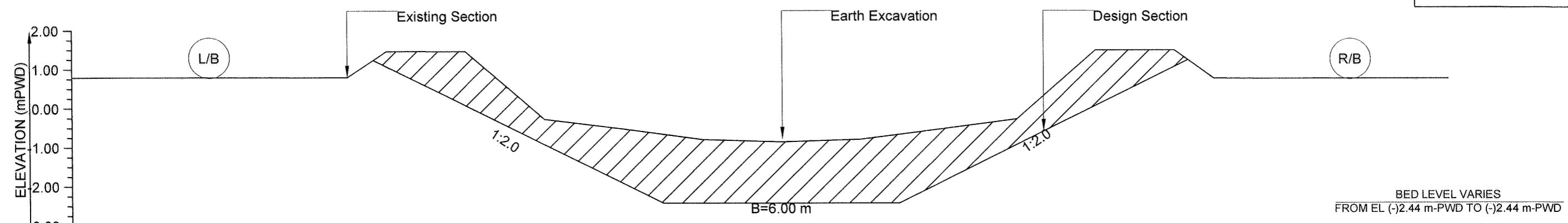
  
 (JAKARIA PERVEZ),SE  
 26/02/2025

CHECKED AND RECOMMENDED BY:

  
 (MD. KAMRUL HASAN),EE

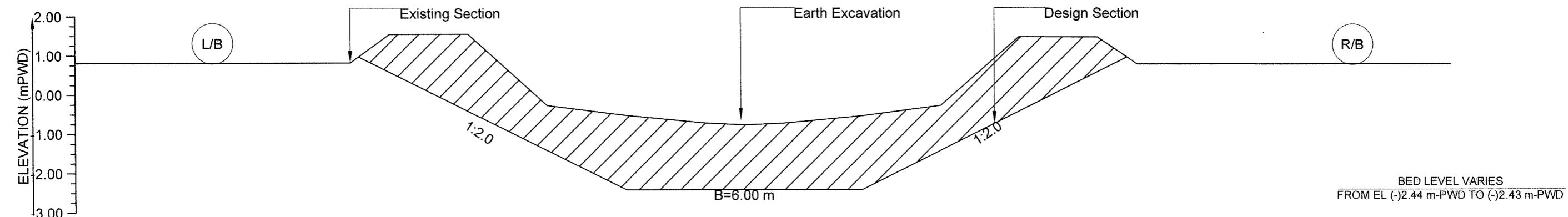
Date:23/2/2025

Drawing No:DC5-5793-10/25



Design Bed Level in (mPWD)	0.792
Existing Bed Level in (mPWD)	7.000 0.787 7.661 1.230 8.000 1.457
Distance(m)	0.000 10.000 11.330 12.000 14.000 15.000 16.000 18.000 20.000 21.000 22.000 24.000 24.672 26.000 28.000 28.344 29.000 30.000 35.000 0.792 1.452 0.291 (-0.293) 0.544 (-0.679) (-2.440) 0.814 (-0.873) (-2.440) 0.811 (-0.882) (-2.440) 0.553 (-0.288) 0.309 1.487 0.742 0.737

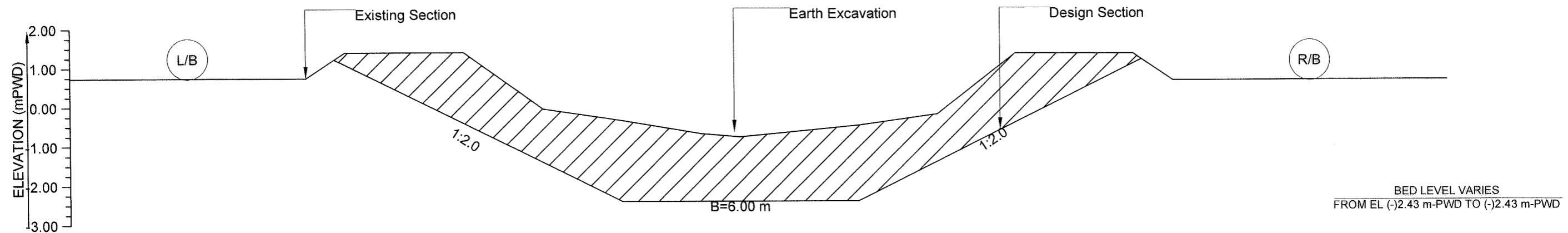
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.200  
APPLICABLE FROM KM 1.150 TO KM 1.250



Design Bed Level in (mPWD)	0.807
Existing Bed Level in (mPWD)	7.000 0.802 0.955 7.210 1.527 8.000 1.532 10.000 10.605 10.977 12.000 (-0.293) 14.000 (-0.544) (-2.440) 16.000 (-0.741) 17.000 (-0.793) (-2.440) 18.000 (-0.744) 20.000 (-0.558) (-2.440) 22.000 (-0.294) 23.372 0.906 24.000 1.456 26.000 1.441 26.743 0.932 0.756 27.000 30.000 0.752 35.000 0.747
Distance(m)	0.000 10.000 11.330 12.000 14.000 15.000 16.000 17.000 18.000 20.000 21.000 22.000 23.372 24.000 26.000 26.743 27.000 30.000 35.000

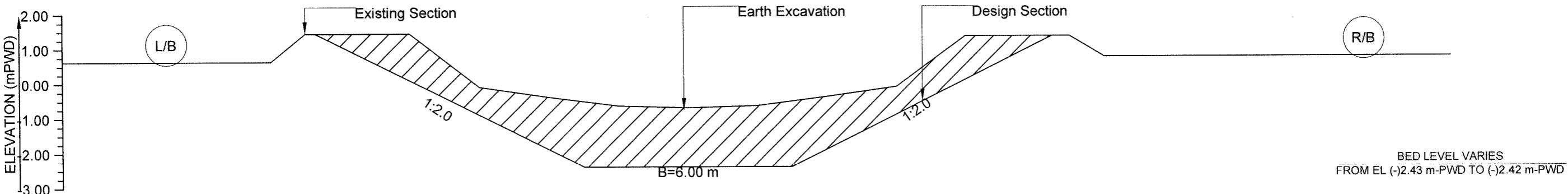
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.300  
APPLICABLE FROM KM 1.250 TO KM 1.350

Bangladesh Water Development Board	
Office of The Superintending Engineer, Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
TYPICAL CROSS SECTION OF GABVITA KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	
Date: 23/2/2025	Drawing No: DC5-5793-11/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.730
Distance(m)	0.000 6.000 10.000 14.000 18.000 22.000 27.000 35.000
6.000 6.729 10.000 13.85 14.000 16.000 20.000 23.605	0.729 1.208 1.390 1.122 1.066 1.076 1.220 1.027
7.000 6.724 10.362 13.90 14.000 17.000 20.000 24.000	1.390 1.122 1.066 1.076 1.295 1.2430 1.220 1.334

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



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.630
Distance(m)	0.000 6.000 10.000 14.000 18.000 22.000 26.000 30.000 35.000 40.000
6.000 6.625 10.000 14.33 14.000 18.000 21.000 24.000 28.502	0.625 1.433 1.415 1.415 1.386 1.386 1.386 1.386 1.331
7.000 7.432 11.148 15.542 15.000 19.000 22.000 25.000 29.000	1.432 0.542 0.542 0.541 0.420 0.420 0.420 0.420 1.330
7.296 7.296 11.120 15.000 19.000 22.000 25.000 28.000 32.000	1.432 0.542 0.542 0.541 0.420 0.420 0.420 0.424 0.735

TYPICAL CROSS SECTION OF GABVITA 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 Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

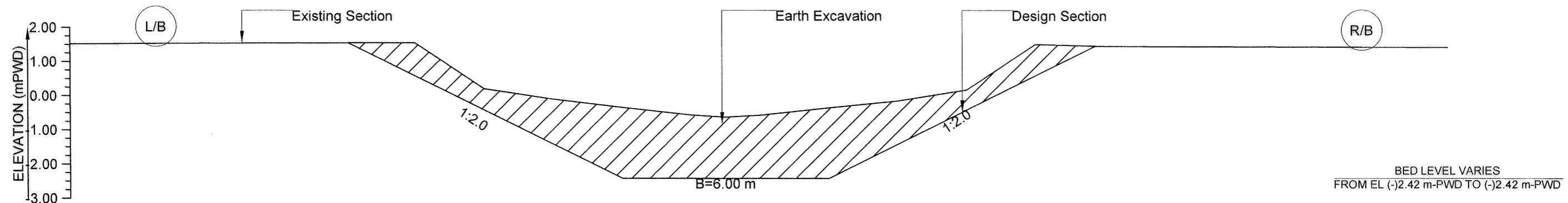
APPROVED BY:

(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

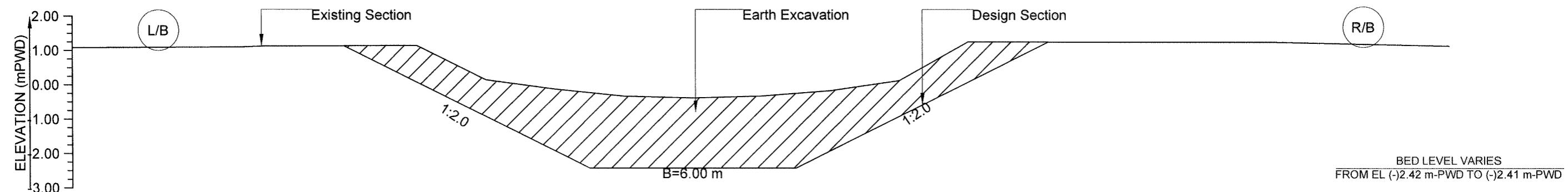
Date:23/2/2025

Drawing No:DC5-5793-12/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	1.514
Distance(m)	0.000
5.000	1.534
8.074	1.543
10.000	1.549
12.000	0.198
14.000	(-)0.102
16.000	(-)0.346(-)2.420
18.000	(-)0.572
19.000	(-)0.631(-)2.420
20.000	(-)0.576
22.000	(-)0.356(-)2.420
24.000	(-)0.156
25.871	0.144
26.000	0.148
28.340	1.498
30.000	1.444
35.000	1.424
40.000	1.404

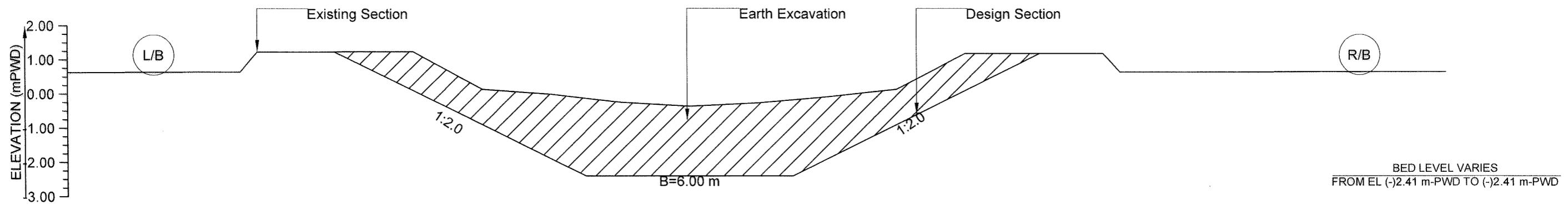
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.600  
APPLICABLE FROM KM 1.550 TO KM 1.650



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	1.077
Distance(m)	0.000
5.000	1.103
5.500	1.123
7.887	1.136
10.000	1.148
11.444	0.423
12.000	0.144
14.000	(-)0.123
15.000	(-)0.227(-)2.420
16.000	(-)0.330
18.000	(-)0.386(-)2.420
20.000	(-)0.327
21.000	(-)0.256(-)2.420
22.000	(-)0.172
24.000	0.123
24.670	0.502
26.000	1.253
28.340	1.250
30.000	1.248
35.000	1.243
40.000	1.128

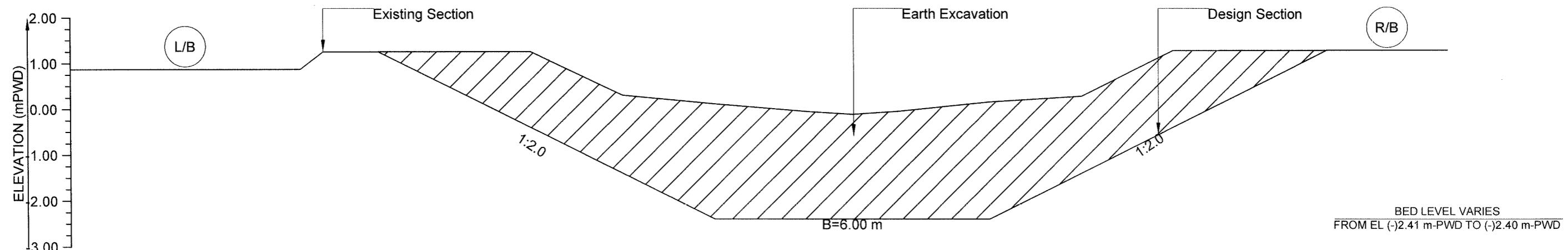
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.700  
APPLICABLE FROM KM 1.650 TO KM 1.750

Bangladesh Water Development Board	
Office of The Superintending Engineer, Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
TYPICAL CROSS SECTION OF GABVITA KHAL	
DESIGNED BY: 	APPROVED BY: 
(MD. MOSTAFA KAMAL),AE	(JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY: 	(MD. KAMRUL HASAN),EE
Date:23/2/2025	Drawing No:DC5-5793-13/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.623
Distance(m)	0.000
5.000	0.638
5.500	1.223
7.729	1.225
10.000	1.228
11.365	0.474
12.000	0.123
14.000	(-)0.023
15.000	(-)0.140(-)2.410
16.000	(-)0.256
18.000	(-)0.372(-)2.410
20.000	(-)0.273
21.000	(-)0.185(-)2.410
22.000	(-)0.097
24.000	0.431
24.586	0.431
26.000	1.177
28.170	1.175
30.000	1.173
30.500	0.628
35.000	0.633
40.000	

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



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.868
Distance(m)	0.000
5.000	0.871
5.500	1.251
6.696	1.252
10.000	1.255
10.348	1.089
12.000	0.301
14.000	0.111 (-)2.400
16.000	(-)0.065
17.000	(-)0.119(-)2.400
18.000	(-)0.052
20.000	0.155 (-)2.400
22.000	0.281
23.683	1.118
24.000	1.276
26.000	1.281
27.365	1.283
30.000	1.286

TYPICAL CROSS SECTION OF GABVITA 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 Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

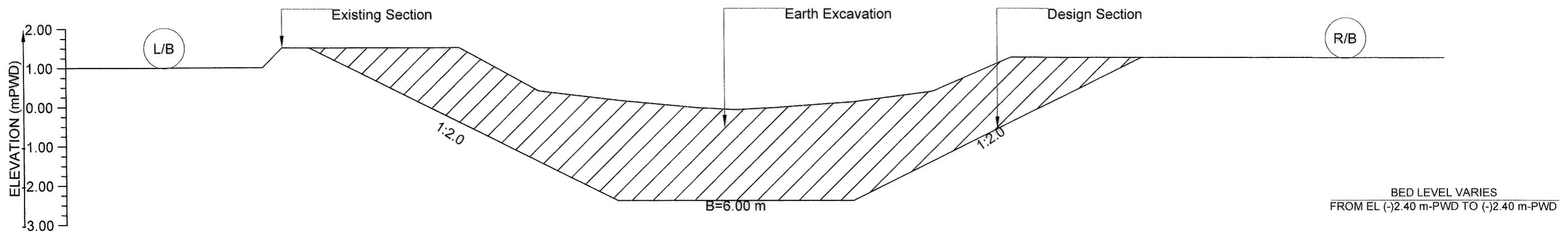
APPROVED BY:

  
(JAKARIA PERVEZ),SE
 

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

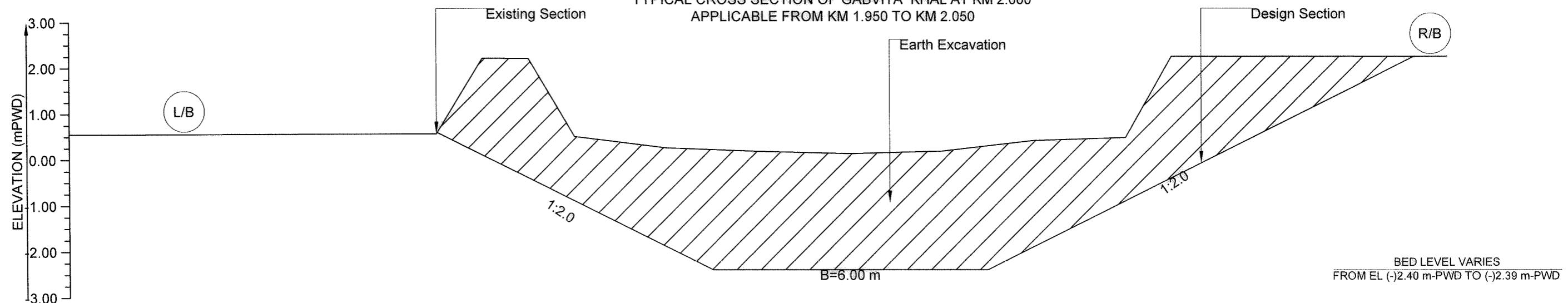
Date: 23/2/2025

Drawing No: DC5-5793-14/25



Design Bed Level in (mPWD)		
Existing Bed Level in (mPWD)	1.001	
Distance(m)	0.000 5.000 5.500 6.180 6.180 10.000 12.000 14.000 16.000 17.000 18.000 20.000 22.000 23.650 24.000 27.300 30.000 35.000	1.006 1.511 1.510 1.506 0.400 0.155 (-0.036) (-0.084) (-0.035) 0.116 (-0.2400) 0.381 1.102 1.255 1.250 1.246 1.231

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



TYPICAL CROSS SECTION OF GABVITA 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

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

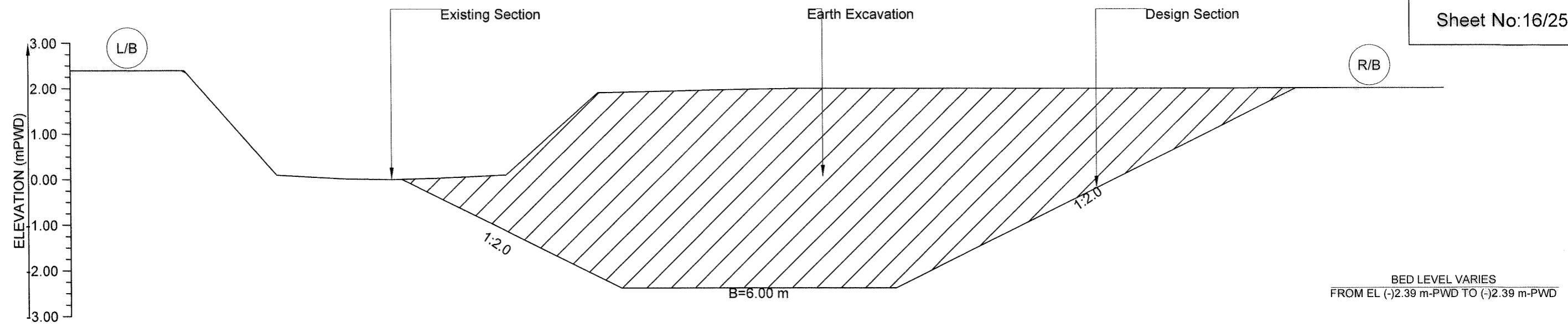
DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

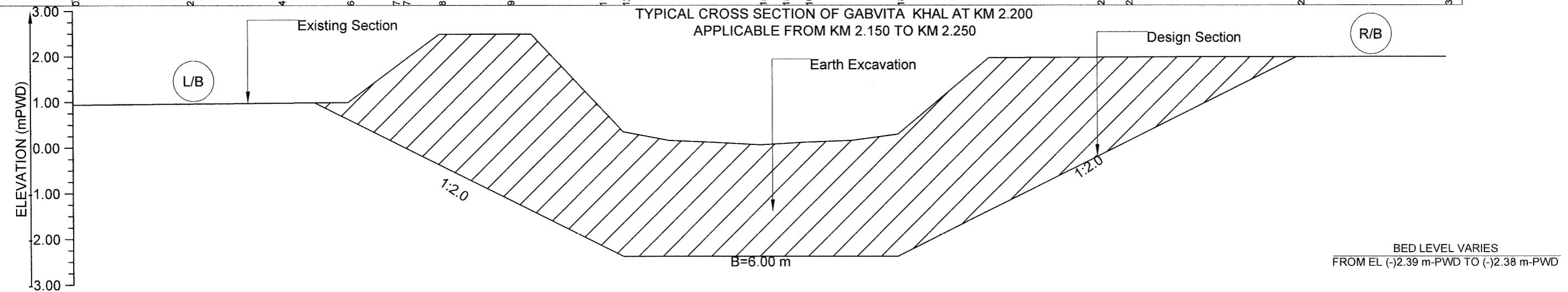
  
26/04/2024

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

(JAKARIA PERVEZ),SE



Design Bed Level in (mPWD)	2.395
Existing Bed Level in (mPWD)	2.389
Distance(m)	0.000
	2.500
	4.500
	6.000
	7.000
	7.227
	7.237
	8.000
	9.500
	11.500
	12.000
	15.000
	15.500
	16.000
	18.000
	22.384
	23.000
	26.768
	30.000



Design Bed Level in (mPWD)	0.939
Existing Bed Level in (mPWD)	0.983
Distance(m)	0.000
	5.274
	6.000
	8.000
	8.637
	10.000
	12.000
	13.000
	14.000
	15.000
	16.000
	17.000
	18.000
	20.000
	22.369
	25.000
	26.000
	26.738
	30.000

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

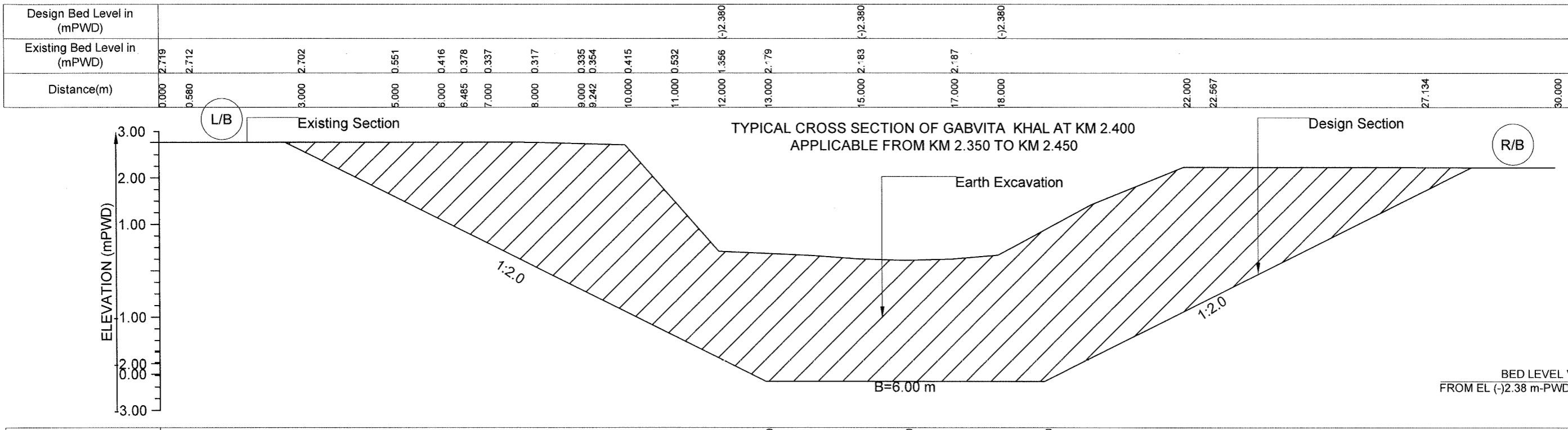
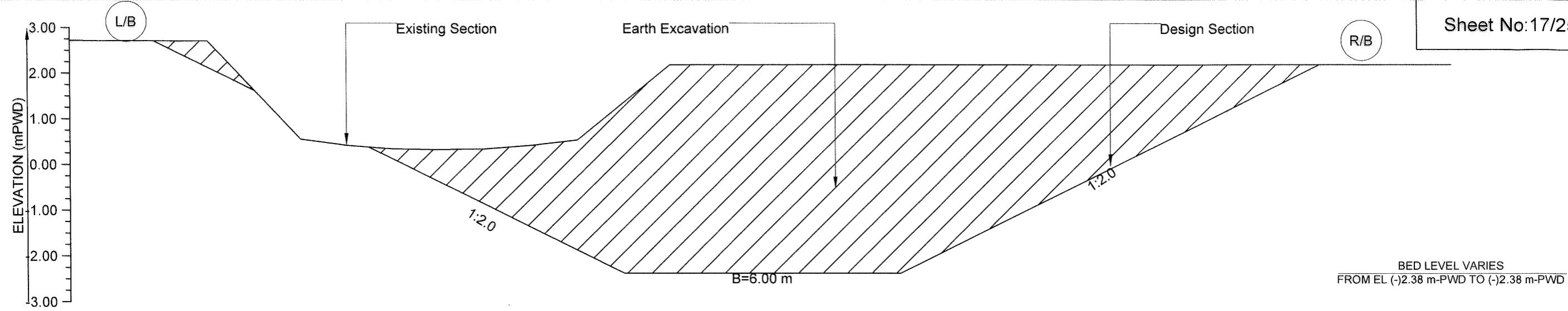
DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

  
(JAKARIA PERVEZ),SECHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

Date: 3/17/2025

Drawing No:DC5-5793-16/25



TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 2.400  
APPLICABLE FROM KM 2.350 TO KM 2.450

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 2.500  
APPLICABLE FROM KM 2.450 TO KM 2.550

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

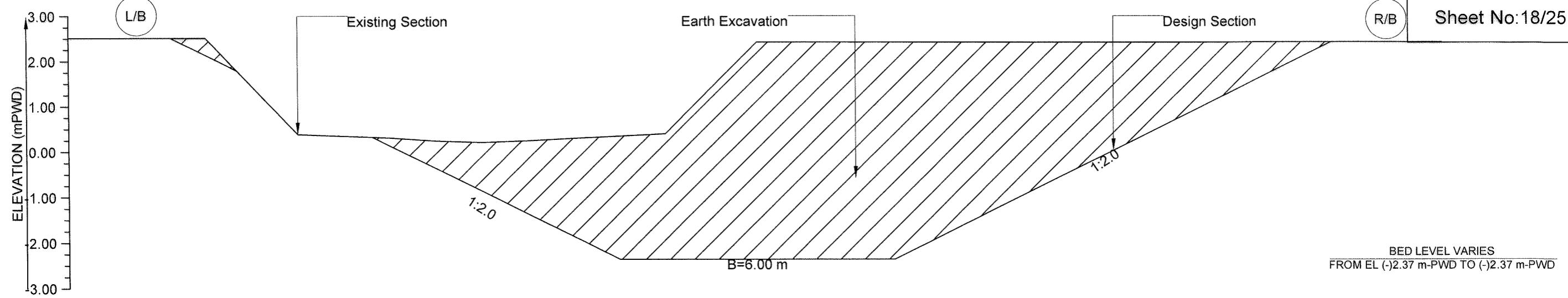
APPROVED BY:

(JAKARIA PERVEZ),SE

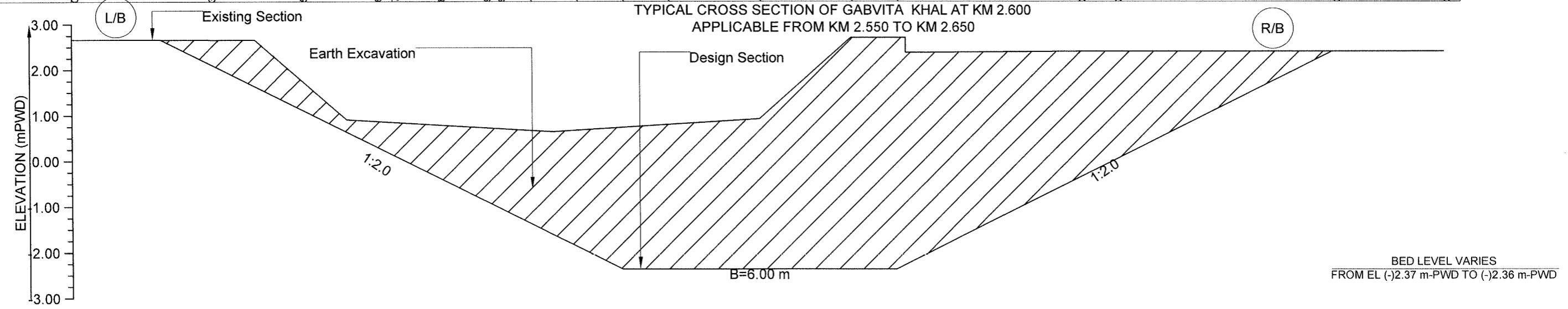
CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

Date: 23/2/2025

Drawing No: DC5-5793-17/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.513
Distance(m)	0.000 2.508 3.000 5.000 8.000 9.000 10.000 11.000 12.000 13.000 15.000 17.000 18.000 22.000 22.786 27.572 30.000



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.663
Distance(m)	0.000 1.945 2.658 4.000 6.000 6.972 8.000 10.000 10.500 11.000 12.000 13.000 15.000 17.000 18.200 22.500 24.03 30.000

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

**TYPICAL CROSS SECTION OF GABVITA KHAL**

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

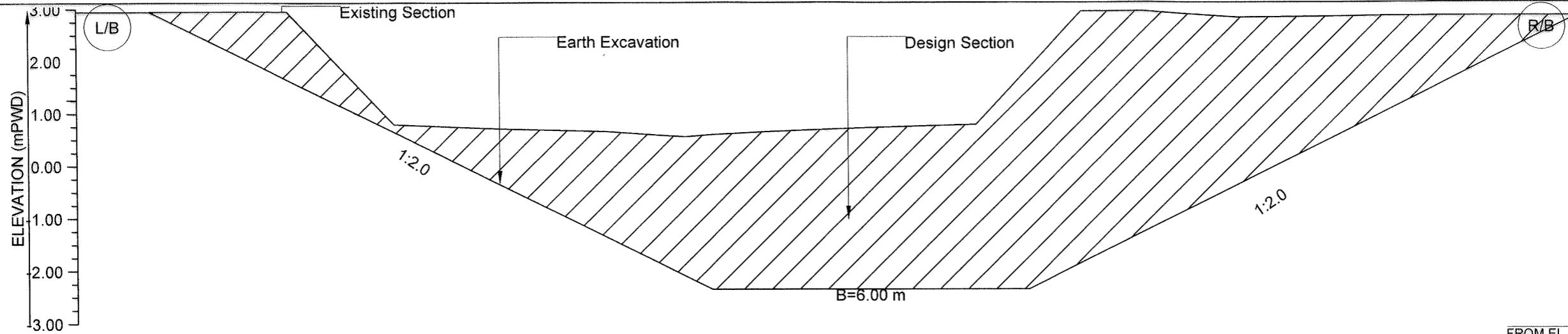
APPROVED BY:

26/02/2026  
(JAKARIA PERVEZ),SE

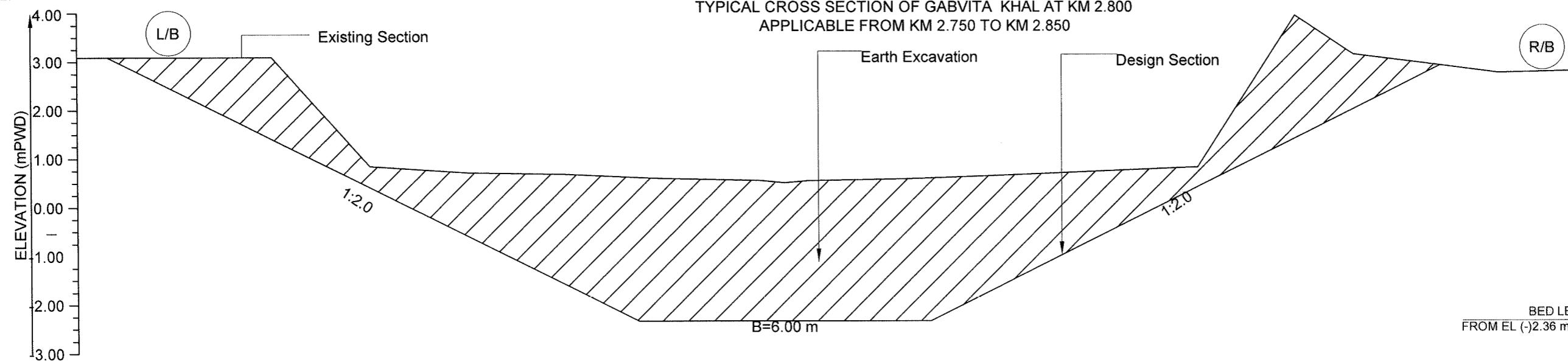
CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

Date: 23/2/2025

Drawing No: DC5-5793-18/25



TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 2.800  
APPLICABLE FROM KM 2.750 TO KM 2.850



TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 2.900  
APPLICABLE FROM KM 2.850 TO KM 2.950

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025

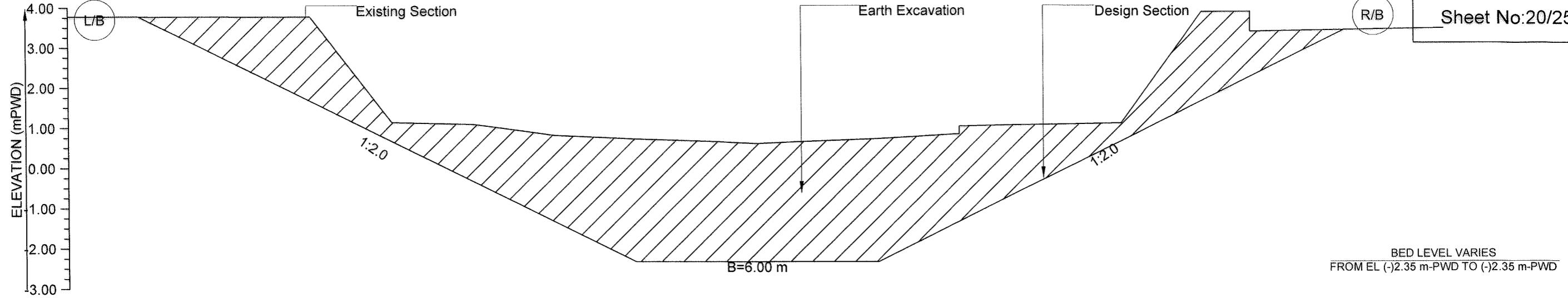
TYPICAL CROSS SECTION OF GABVITA KHAL

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(MD. MOSTAFA KAMAL),AE

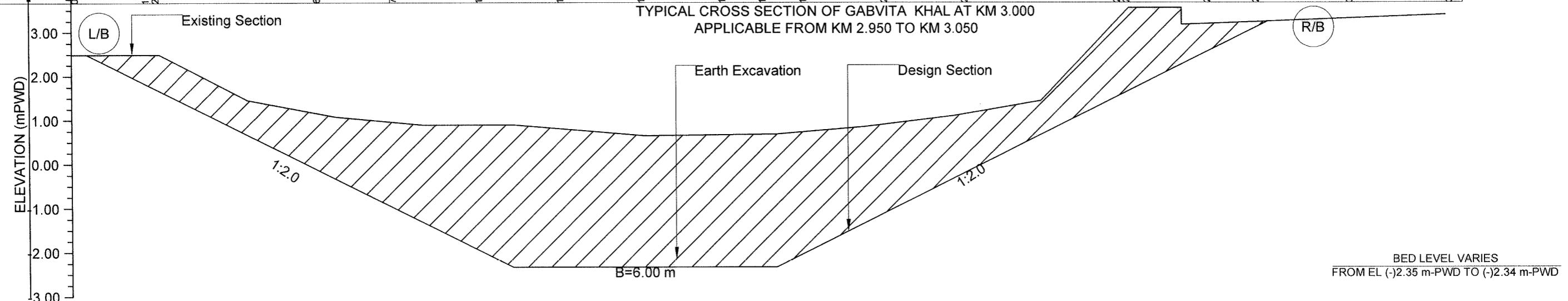
APPROVED BY:

(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	3.777
Distance(m)	0.000 3.777
1.758	3.771
2.000	3.770
6.000	3.760
7.879	1.280
10.000	1.074
12.000	0.800
14.000	0.700
16.000	0.633
17.000	0.585
18.000	0.634
20.000	0.708
22.000	0.825
25.768	1.096
26.000	1.100
28.000	3.874
29.200	3.873
31.532	3.416
34.000	3.460



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.492
Distance(m)	0.000 2.492
0.338	2.491
2.000	2.487
4.000	1.453
5.169	1.230
6.000	1.072
8.000	0.886
10.000	0.887
13.000	0.637
16.000	0.672
18.000	0.842
20.000	1.086
20.600	1.190
22.000	1.432
24.000	3.547
25.200	3.546
31.200	3.386

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.000  
APPLICABLE FROM KM 2.950 TO KM 3.050

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.100  
APPLICABLE FROM KM 3.050 TO KM 3.150

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

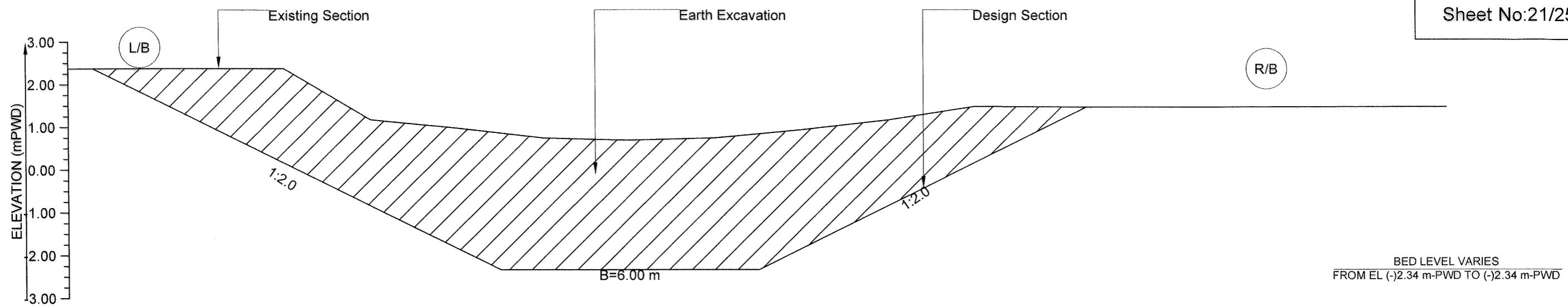
20/02/2025  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:

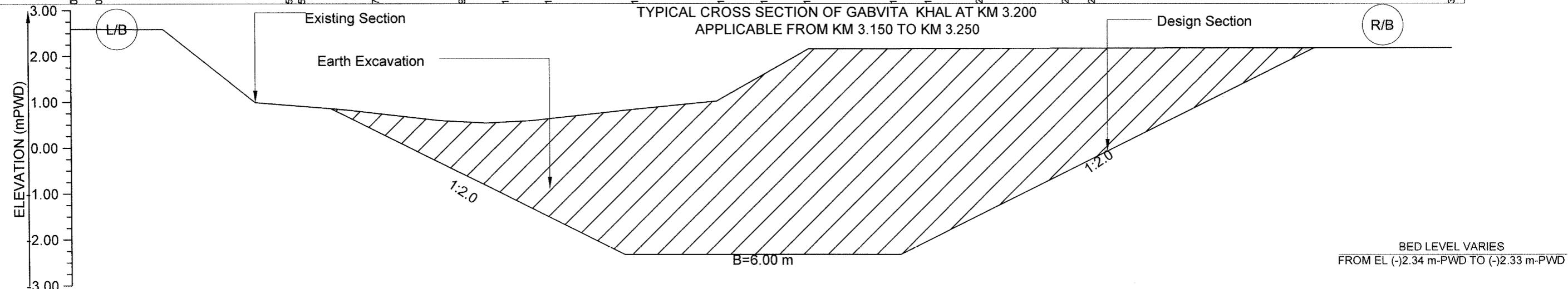
(MD. KAMRUL HASAN),EE

Date: 23/2/2025

Drawing No: DC5-5793-20/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.372
Distance(m)	0.000 0.575 5.000 6.288 7.000 9.000 10.000 11.000 13.000 15.000 16.000 17.000 19.000 21.000 23.000 23.614 32.000



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.581
Distance(m)	0.000 2.000 4.000 5.640 6.000 8.000 8.820 9.000 10.000 12.000 14.000 15.000 16.000 18.000 20.000 22.501 25.000 27.002 30.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.200  
APPLICABLE FROM KM 3.150 TO KM 3.250

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.300  
APPLICABLE FROM KM 3.250 TO KM 3.350

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division. BWDB, Gopalganj during the year 2024-2025

TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

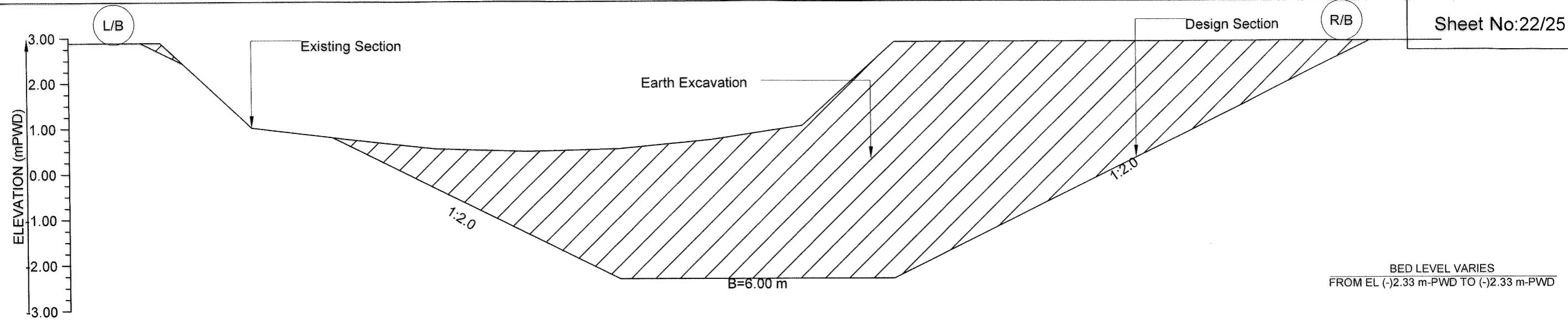
  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:

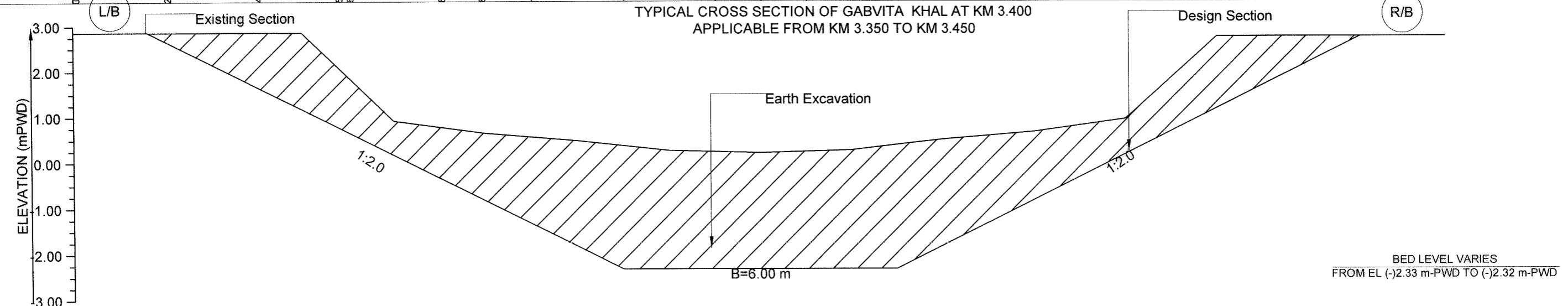
  
(MD. KAMRUL HASAN),EE

Date:23/2/2025

Drawing No:DC5-5793-21/25



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



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

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.500  
APPLICABLE FROM KM 3.450 TO KM 3.550

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

**Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
Specialized Division, BWDB, Gopalganj during the year 2024-2025**

## TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY

(MD. MOSTAFA KAMAL)

APPROVED BY:

*[Signature]*

**CHECKED AND RECOMMENDED BY:**

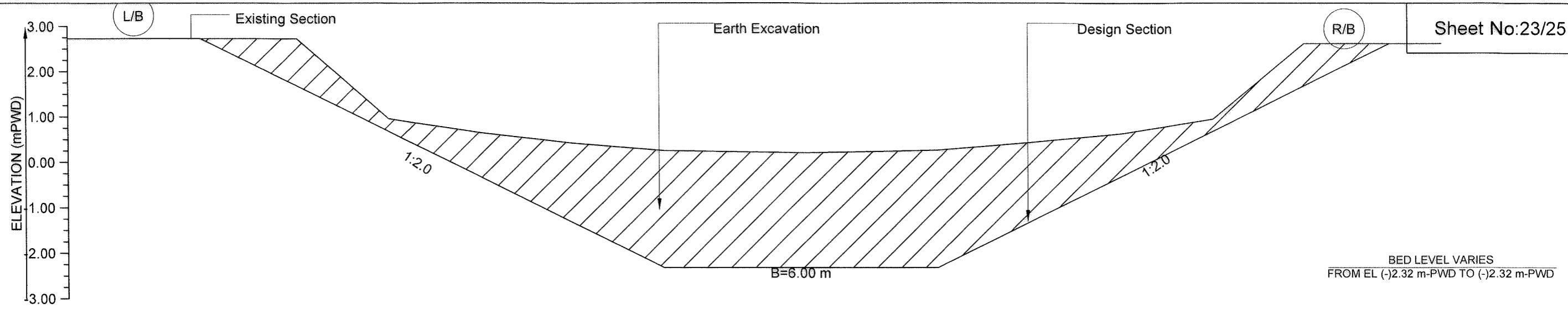
(MD. KAMRUL HASAN).  


(JAKARIA PERVEZ),SE

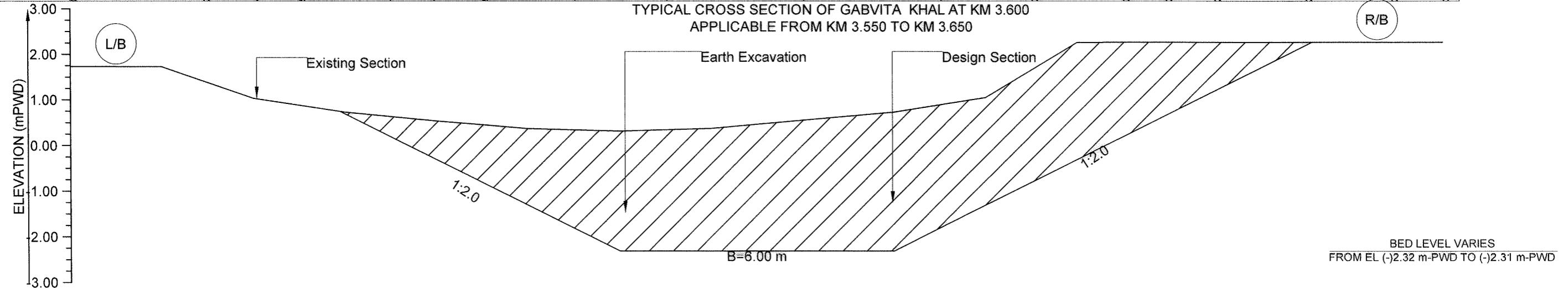
(JAKARIA PERVEZ),SE

Date:23/2/2025

Drawing No: DC5-5793-22/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.732
Distance(m)	0.000 2.903 4.000 5.000 7.000 7.952 9.000 11.000 13.000 16.000 19.000 21.000 23.000 25.000 27.000 28.872 30.000



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	1.733
Distance(m)	0.000 2.000 4.000 5.893 8.000 8.947 10.000 12.000 14.000 15.000 16.000 18.000 20.000 22.000 22.573 23.000 27.146 30.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.700  
APPLICABLE FROM KM 3.650 TO KM 3.750

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
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TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

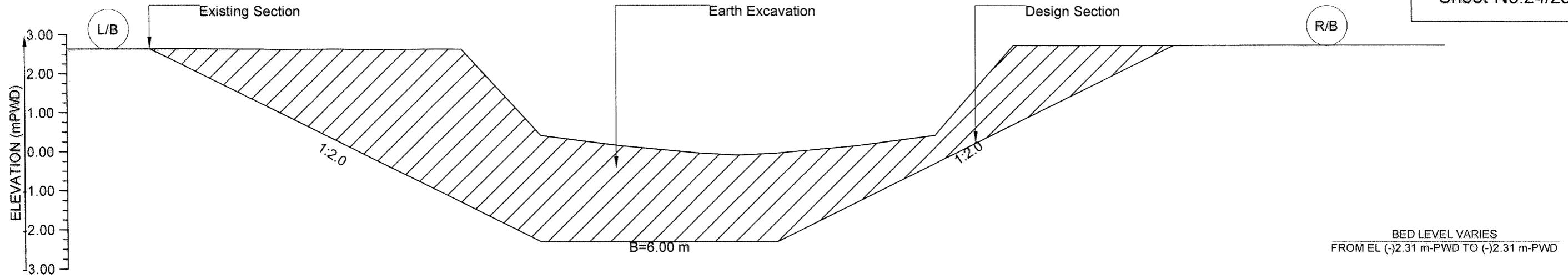
APPROVED BY:

20/02/2025  
(JAKARIA PERVEZ),SE

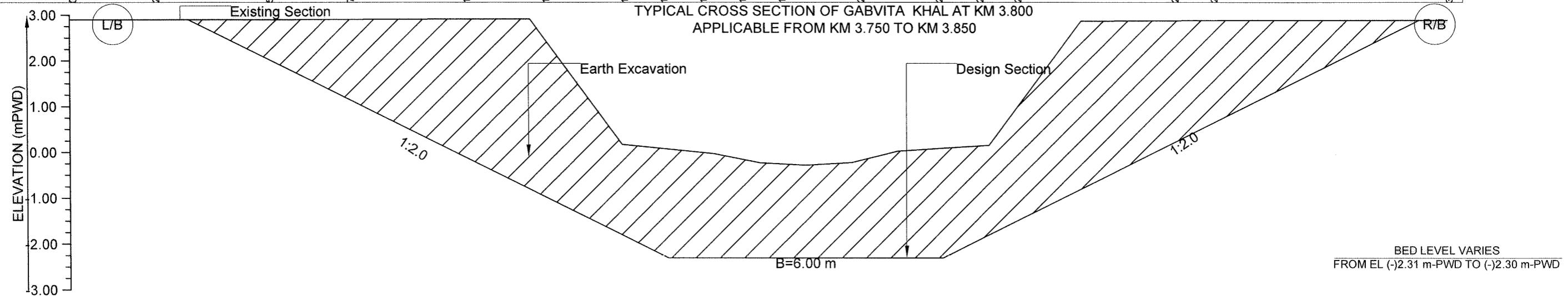
CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE

Date:23/2/2025

Drawing No:DC5-5793-23/25



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.637
Distance(m)	0.000
2.114	2.633
5.000	2.628
7.057	2.624
10.000	2.618
12.000	0.408
14.000	0.148
15.000	0.053
16.000	(-0.043)
17.000	(-0.096)
18.000	(-0.042)
20.000	0.143
22.000	0.413
23.038	1.609
24.000	2.718
28.000	2.728
29.000	
35.000	



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.895
Distance(m)	0.000
2.585	2.898
5.000	2.900
7.792	2.906
10.000	2.910
12.000	0.165
13.000	0.065
14.000	(-0.035)
15.000	(-0.234)
16.000	(-0.290)
17.000	(-0.230)
18.000	0.019
19.000	0.084
20.000	0.148
22.000	2.865
24.194	2.876
25.000	2.880
29.389	2.884
30.000	2.885

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 3.900  
APPLICABLE FROM KM 3.850 TO KM 3.950

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

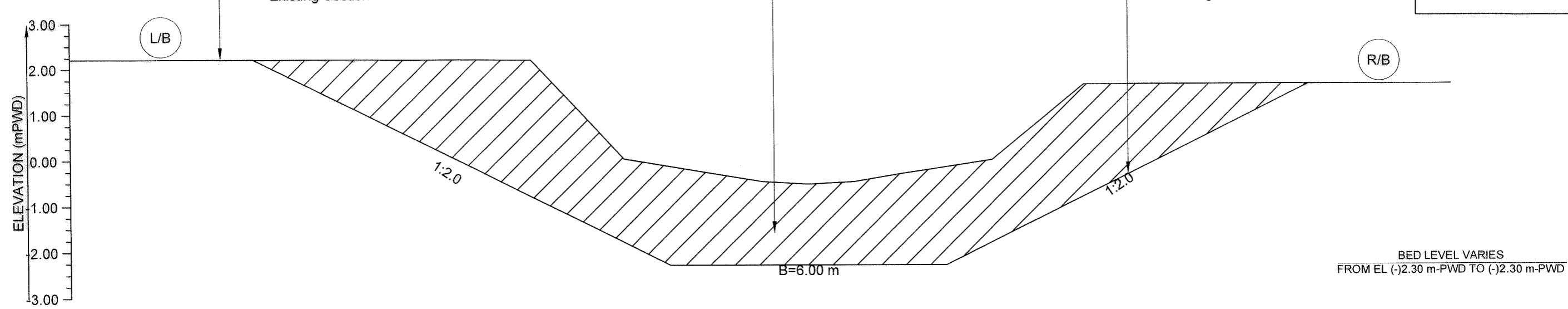
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1  
in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under  
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TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

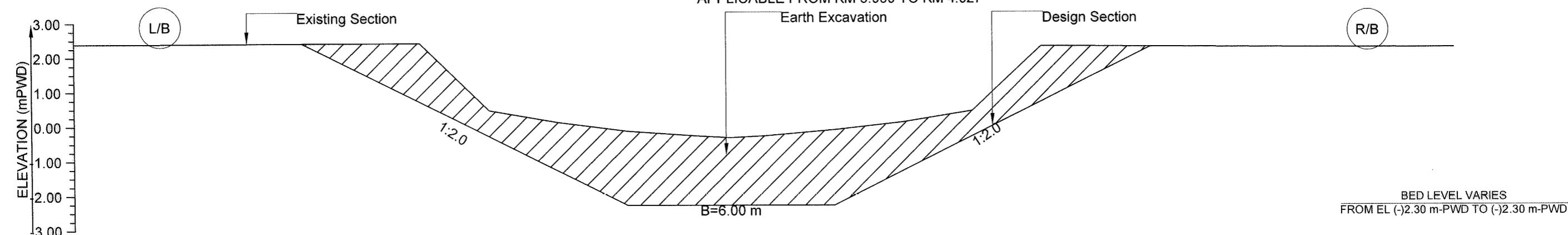
APPROVED BY:  
  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.210
Distance(m)	0.000
	3.988
	5.000
	8.494
	10.000
	12.000
	13.000
	14.000
	15.000
	16.000
	17.000
	18.000
	19.000
	20.000
	22.000
	25.000
	26.895
	30.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 4.000  
APPLICABLE FROM KM 3.950 TO KM 4.027



Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	2.382
Distance(m)	0.000
	5.000
	6.601
	10.000
	11.300
	12.000
	14.000
	16.000
	18.000
	19.000
	20.000
	22.000
	24.000
	26.000
	26.588
	28.000
	31.177
	35.000
	40.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 4.053  
APPLICABLE FROM KM 4.027 TO KM 4.053

Bangladesh Water Development Board

Office of The Superintending Engineer, Design Circle-5

CRISP-WRM

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TYPICAL CROSS SECTION OF GABVITA KHAL

DESIGNED BY:  
  
(MD. MOSTAFA KAMAL),AE

APPROVED BY:

25/02/2025  
(JAKARIA PERVEZ),SE

CHECKED AND RECOMMENDED BY:  
  
(MD. KAMRUL HASAN),EE