

Bangladesh Water Development Board

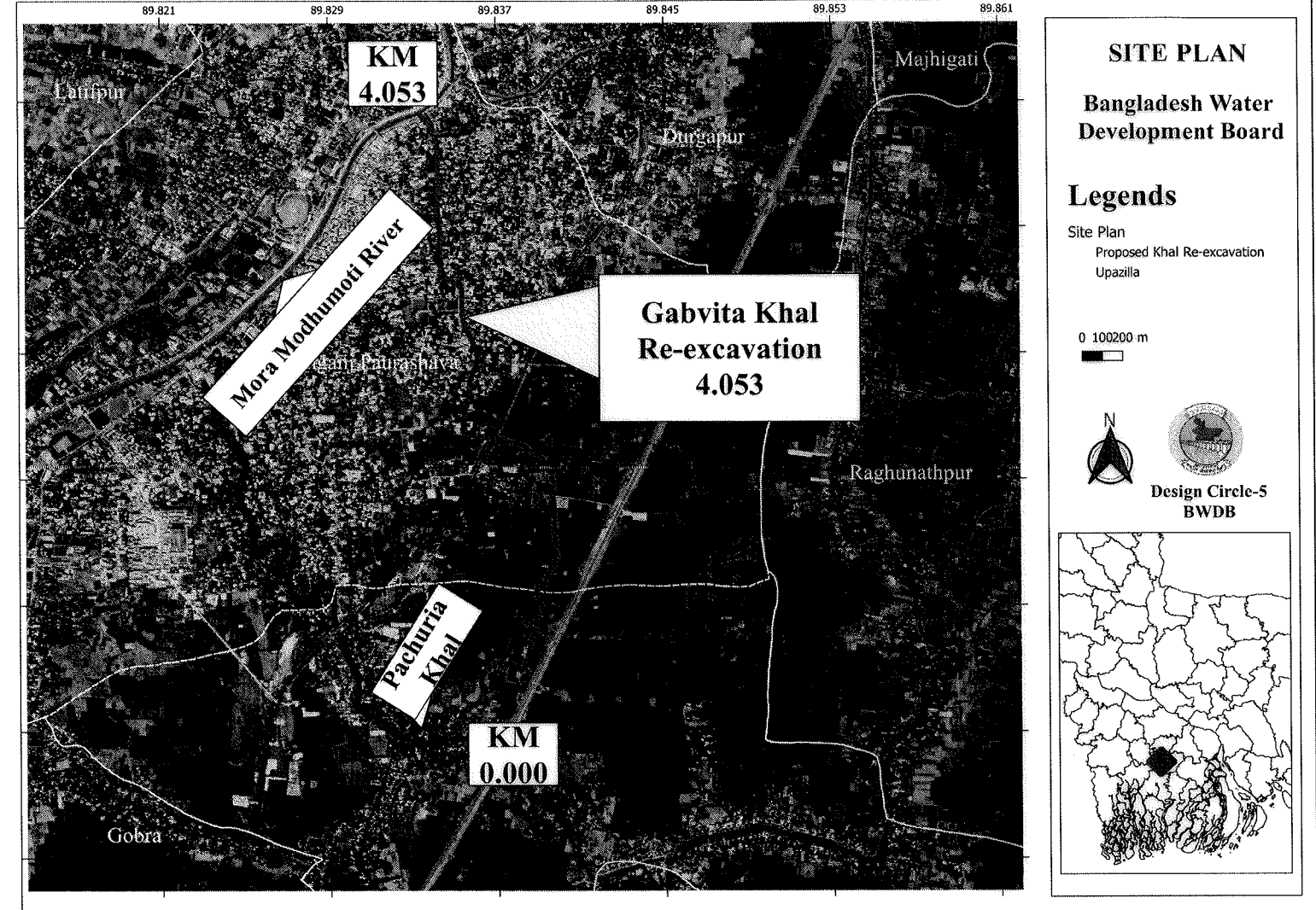
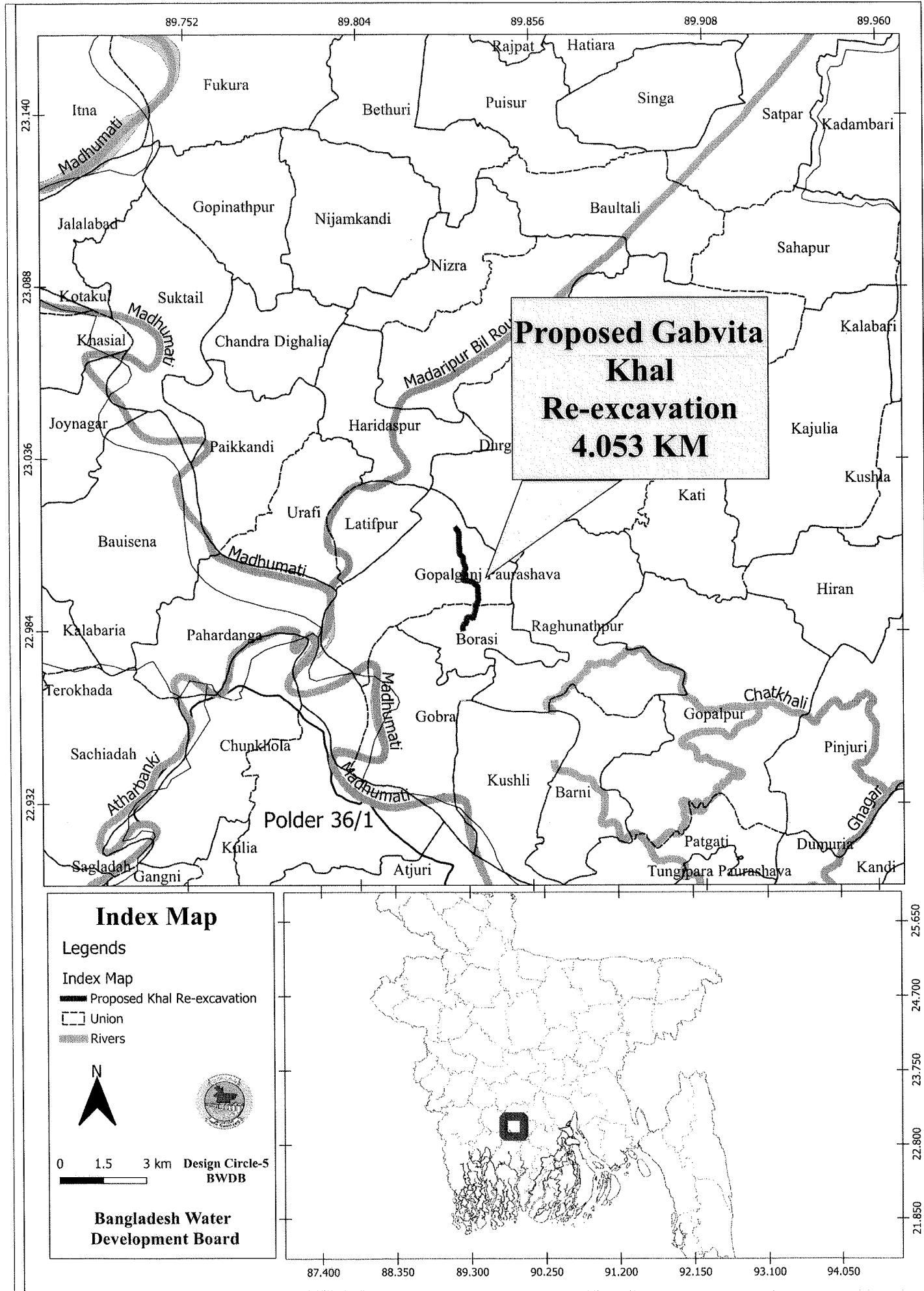
CRISP-WRM




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




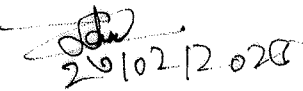
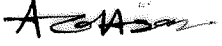
Bangladesh Water Development Board	
Office of The Superintending Engineer,Design Circle-5	
CRISP-WRM	
Re-excitation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
INDEX MAP & SITE MAP FOR GABVITA KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  25/02/2025 (JAKARIA PERVEZ),SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	
Date:23/2/2025	Drawing No:DC5-5793-01/25

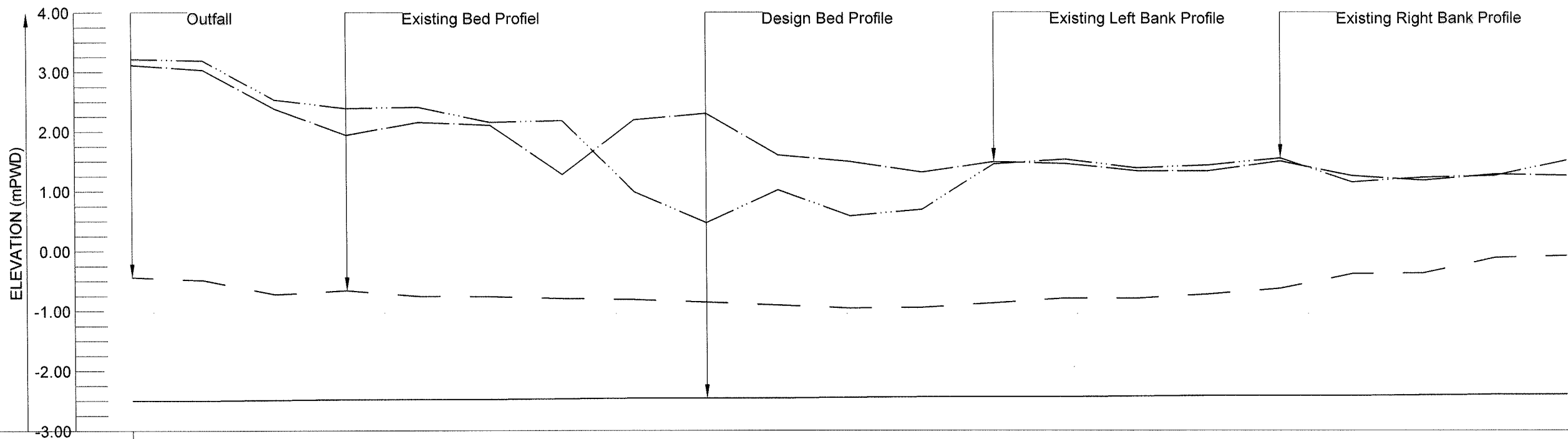
Administrative Notes. :

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 ERROSION.
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.

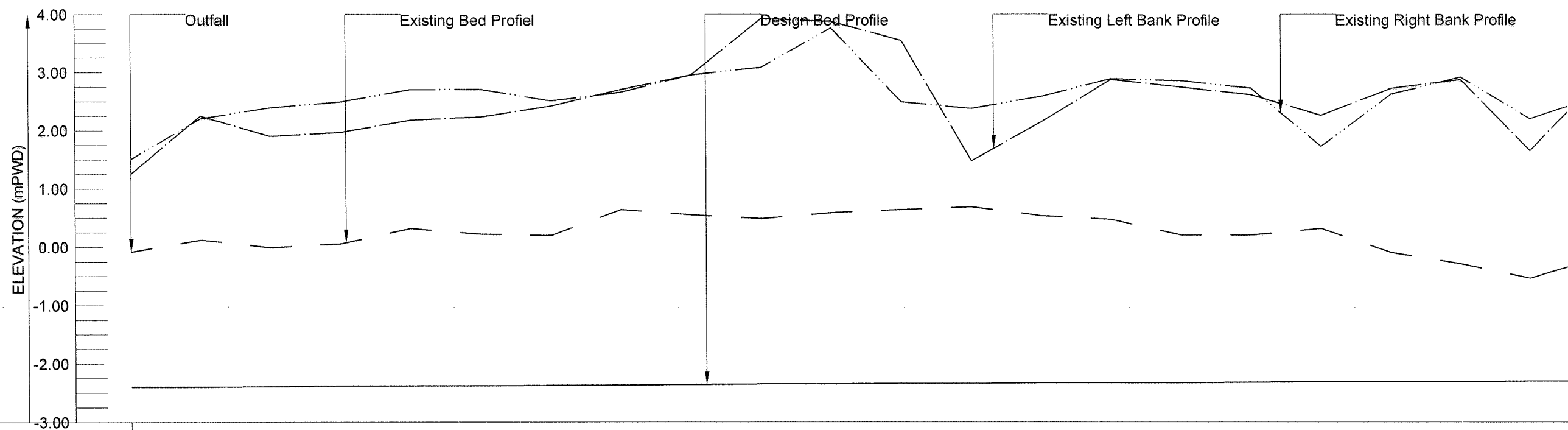
Bangladesh Water Development Board	
Office of The Superintending Engineer,Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
NOTES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



Design Bed Width(m)	-3.00																				
Design Bed Level (mPWD)	(-)2.500		(-)2.490	(-)2.480			(-)2.470	(-)2.460			(-)2.450	(-)2.440			(-)2.430	(-)2.420		(-)2.410	(-)2.400		
Existing Bed Level (mPWD)	(-)0.440	(-)0.488	(-)0.728	(-)0.661	(-)0.756	(-)0.763	(-)0.796	(-)0.815	(-)0.857	(-)0.908	(-)0.959	(-)0.947	(-)0.873	(-)0.793	(-)0.795	(-)0.725	(-)0.631	(-)0.386	(-)0.372	(-)0.119	(-)0.084
Existing Left Bank Level (mPWD)	3.214	3.187	2.527	2.388	2.408	2.153	2.180	0.988	0.471	1.019	0.581	0.693	1.452	1.527	1.385	1.433	1.549	1.148	1.228	1.255	1.506
Existing Right Bank Level (mPWD)	3.114	3.032	2.378	1.941	2.153	2.105	1.276	2.193	2.301	1.602	1.491	1.313	1.487	1.456	1.334	1.335	1.498	1.253	1.177		1.255
Distance(Km)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000


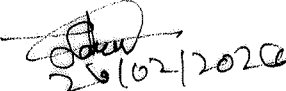

LONG SECTION OF GABVITA KHAL APPLICABLE FROM KM 0.000 TO KM 2.000

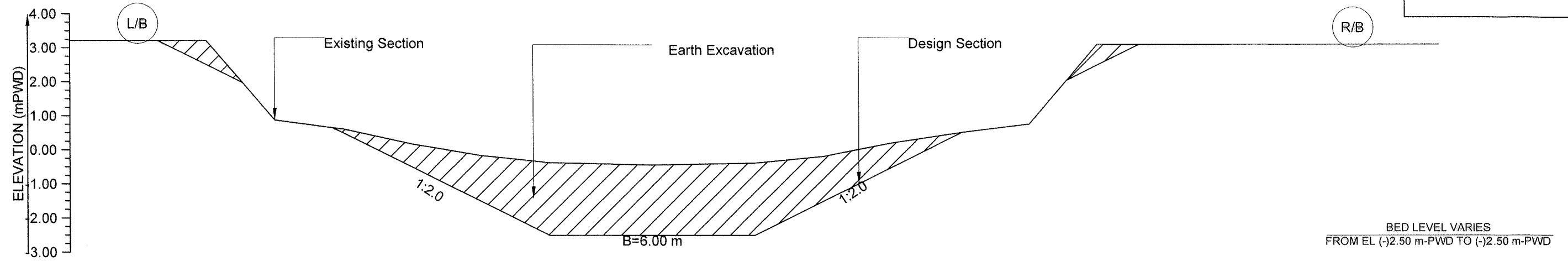
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Office of The Superintending Engineer,Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
LONG SECTION OF GABVITA KHAL	
DESIGNED BY:  (MD. MOSTAFA KAMAL),AE	APPROVED BY:  (MD. KAMRUL HASAN),EE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN),EE	(JAKARIA PERVEZ),SE
Date:23/2/2025	Drawing No:DC5-5793-03/25



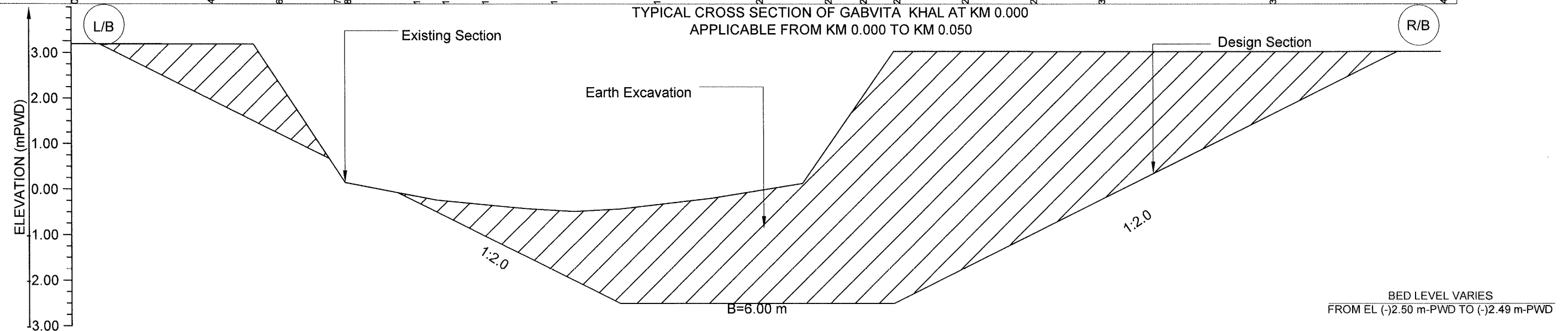
Design Bed Width(m)	-3.00																					
Design Bed Level (mPWD)	(-)2.400			(-)2.390	(-)2.380		(-)2.370		(-)2.360	(-)2.350		(-)2.340		(-)2.330		(-)2.320	(-)2.310		(-)2.300			
Existing Bed Level (mPWD)	(-)0.084	0.121	(-)0.010	0.054	0.317	0.220	0.198	0.638	0.549	0.485	0.585	0.637	0.687	0.532	0.472	0.202	0.203	0.313	(-)0.096	(-)0.290	(-)0.540	(-)0.347
Existing Left Bank Level (mPWD)	1.506	2.201	2.389	2.489	2.702	2.707	2.508	2.652	2.951	3.085	3.760	2.487	2.376	2.582	2.887	2.852	2.725	1.723	2.618	2.910	2.195	2.405
Existing Right Bank Level (mPWD)	1.255	2.249	1.899	1.966	2.179	2.232	2.418	2.700	2.949	3.925	3.874	3.547	1.476	2.147	2.872	2.742	2.613	2.257	2.718	2.865	1.646	2.306
Distance(Km)	2.000	2.100	2.200	2.300	2.400	2.500	2.600	2.700	2.800	2.900	3.000	3.100	3.200	3.300	3.400	3.500	3.600	3.700	3.800	3.900	4.000	4.053

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

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




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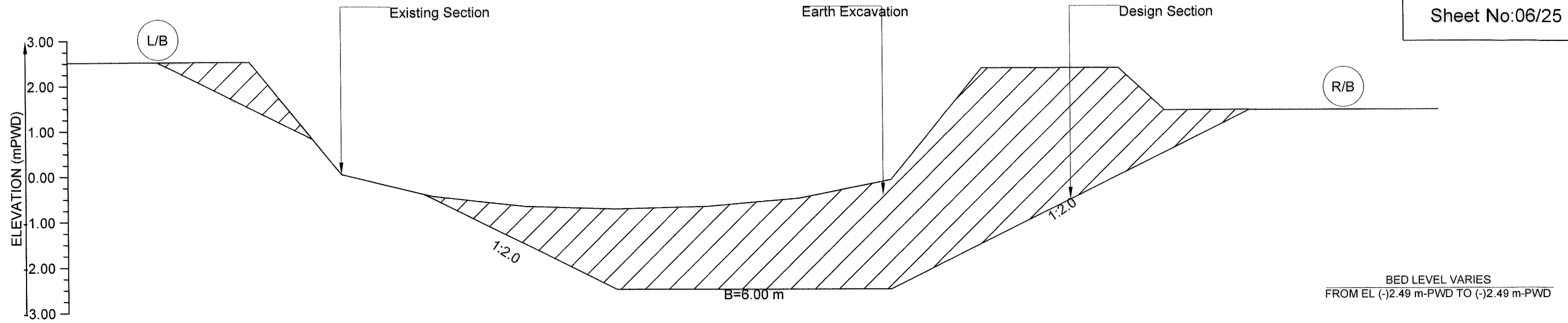
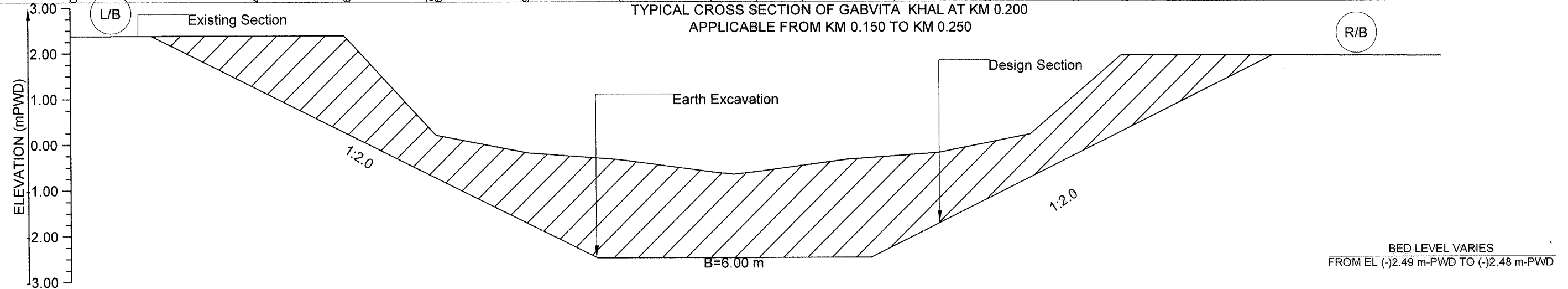
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.000
APPLICABLE FROM KM 0.000 TO KM 0.050



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	3.192	0.000
		3.000
	3.187	4.000
	3.147	5.000
	-0.074	7.148
	-0.238	8.000
	-0.389	9.574
	-0.430	10.000
	-0.488	11.000
	-0.432	12.000
	-0.199	14.000
	-0.036	15.000
	0.127	16.000
	3.032	18.000
	3.027	21.000
		23.527
		26.000
		29.054
		30.000

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

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Office of The Superintending Engineer, Design Circle-5	
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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	
Date: 23/2/2025	Drawing No: DC5-5793-05/25

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Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	2.377	10.000
	2.382	11.775
	2.385	12.000
	2.388	15.000
	1.693	16.638
	0.207	18.000
	-0.187	20.000
	-0.480	21.500
	-0.338	22.000
	-0.607	24.000
	-0.480	24.500
	-0.608	25.000
	-0.339	27.000
	-0.480	27.500
	-0.192	29.000
	0.208	31.000
	0.993	32.906
	1.941	33.000
	1.928	36.000
	1.926	36.313
	1.908	38.000

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

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

CHECKED AND RECOMMENDED BY:

(MD. KAMRUL HASAN), EE

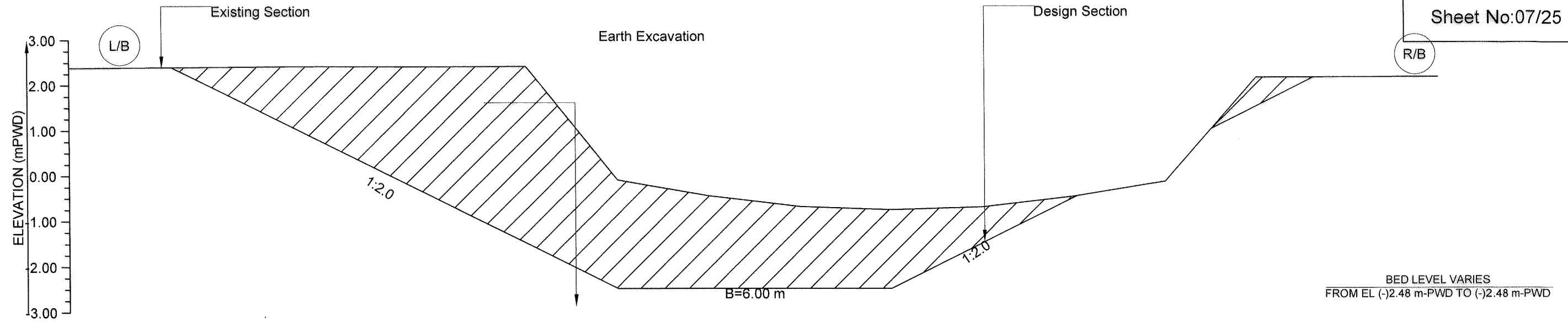
APPROVED BY:

26/02/2020

(JAKARIA PERVEZ),SE

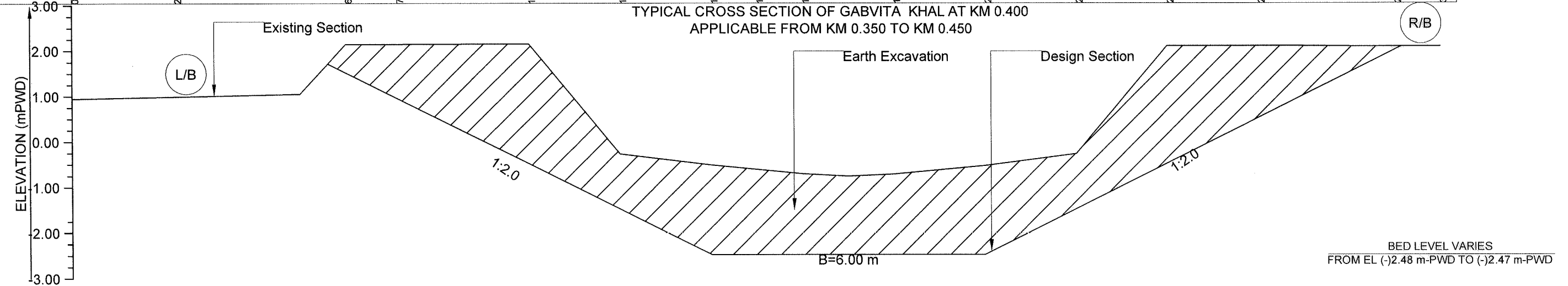
Date:23/2/2025

Drawing No:DC5-5793-06/25



Design Bed Level in (mPWD)																			
Existing Bed Level in (mPWD)	2.379	2.394	2.418	2.415	2.408	(-)0.092(-)2.480	(-)0.445	(-)0.565(-)2.480	(-)0.685	(-)0.755(-)2.480	(-)0.692	(-)0.458	(-)0.131	2.153	2.159	2.164			
Distance(m)	0.000	2.253	6.000	7.126	10.000	12.000	14.000	15.000	16.000	18.000	20.000	22.000	24.000	26.000	29.000	30.000			

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



Design Bed Level in (mPWD)																			
Existing Bed Level in (mPWD)	0.942	1.047	1.715	2.141	2.152	(-)0.268	(-)0.514(-)2.480	(-)0.708	(-)0.763(-)2.480	(-)0.718	(-)0.529(-)2.480	(-)0.270	2.105	2.104	2.102	2.096	2.092	2.152	30.000
Distance(m)	0.000	5.000	5.610	6.000	9.805	10.000	12.000	14.000	16.000	17.000	18.000	20.000	22.000	24.000	24.576	27.000	28.000	28.992	30.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.500
APPLICABLE FROM KM 0.450 TO KM 0.550

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

CHECKED AND RECOMMENDED BY:

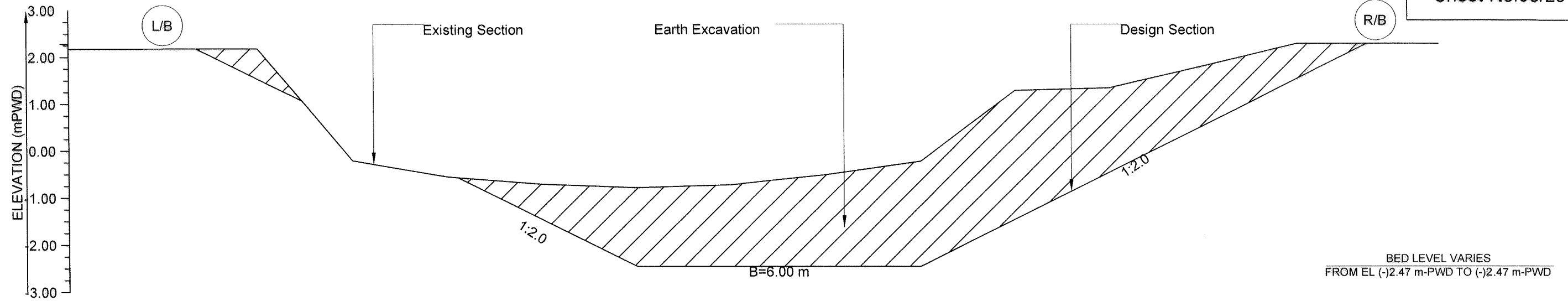
(MD. KAMRUL HASAN), EE

APPROVED BY:

(JAKARIA PERVEZ), SE

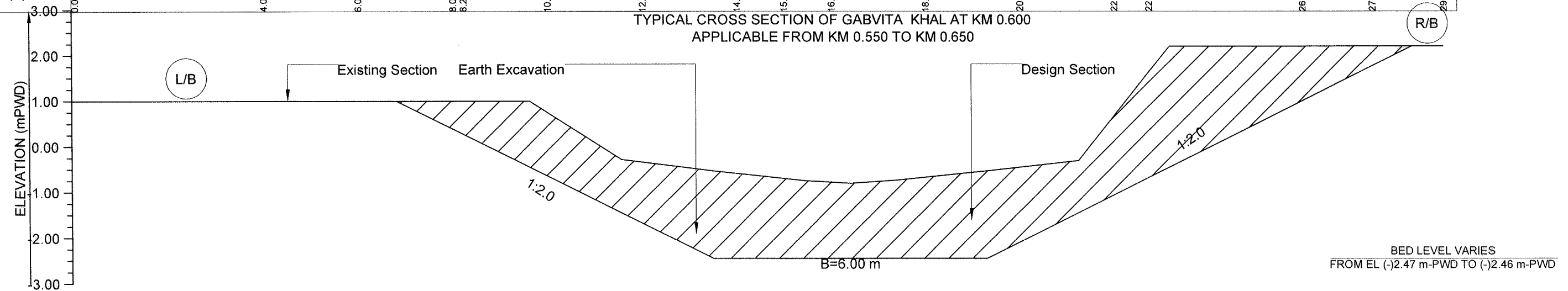
Date: 23/2/2025

Drawing No: DC5-5793-07/25



Distance(m)	Existing Bed Level in (mPWD)	Design Bed Level in (mPWD)
2.000	2.171	
4.000	2.180	
5.000	(-0.220)	
8.000	(-0.562)	
8.219	(-0.579)	
10.000	(-0.720)	
12.000	(-0.796)	(-2.470)
14.000	(-0.734)	
15.000	(-0.627)	(-2.470)
16.000	(-0.520)	
18.000	(-0.234)	(-2.470)
20.000	1.276	
22.000	1.331	
22.743	1.506	
26.000	2.275	
27.486	2.273	
29.000	2.271	

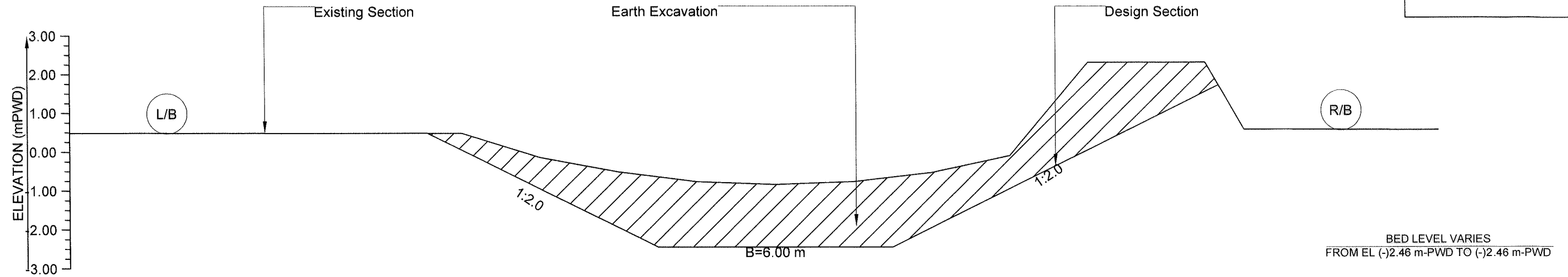
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.600
APPLICABLE FROM KM 0.550 TO KM 0.650



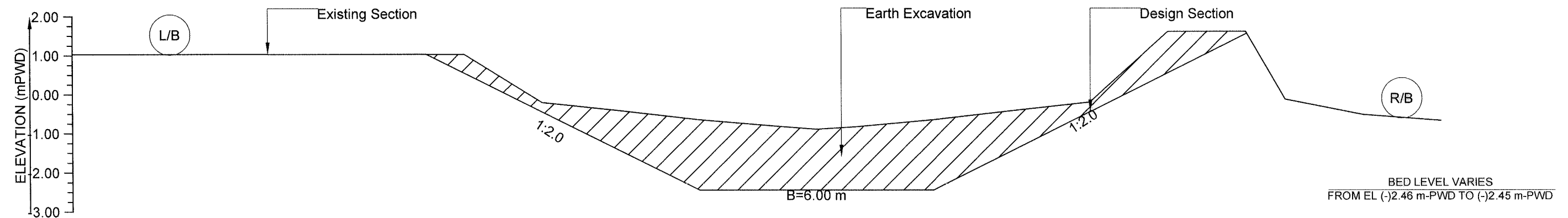
Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	0.998	0.000
	0.993	5.000
	0.991	7.098
	0.988	10.000
	0.637	10.549
	-0.292	12.000
	-0.543 (-)2.460	14.000
	-0.757	16.000
	-0.815 (-)2.460	17.000
	-0.750	18.000
	-0.544 (-)2.460	20.000
	-0.317	22.000
	2.193	24.000
	2.193	24.658
	2.194	27.000
	2.198	28.000
		29.316
		30.000

TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.700
APPLICABLE FROM KM 0.650 TO KM 0.750

<p align="center">Bangladesh Water Development Board</p>	
<p align="center">Office of The Superintending Engineer, Design Circle-5</p>	
<p align="center">CRISP-WRM</p>	
<p>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</p>	
<p align="center">TYPICAL CROSS SECTION OF GABVITA KHAL</p>	
<p>DESIGNED BY:  (MD. MOSTAFA KAMAL), AE</p>	<p>APPROVED BY:  26/02/2026 (JAKARIA PERVEZ), SE</p>
<p>CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE</p>	
<p>Date: 23/2/2025</p>	<p>Drawing No: DC5-5793-08/25</p>




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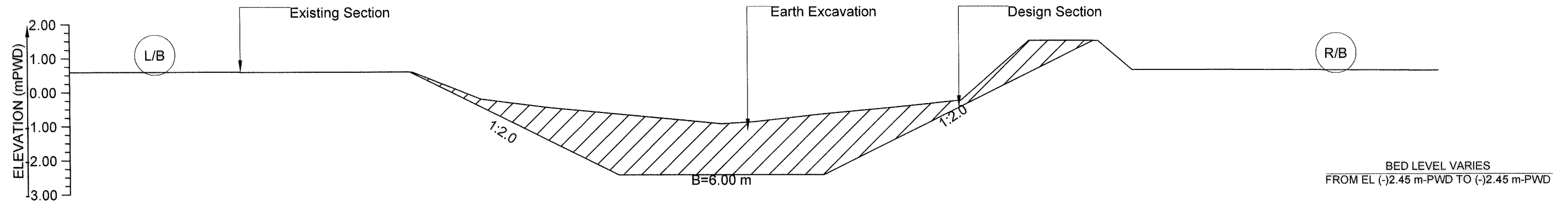
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.800
APPLICABLE FROM KM 0.750 TO KM 0.850



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	1.029	7.000
	1.024	8.000
	1.020	9.040
	1.019	10.000
	-0.216	12.000
	-0.272	12.520
	-0.433	14.000
	-2.460	16.000
	-0.832	18.000
	-2.460	19.000
	-0.846	20.000
	-2.460	22.000
	-0.432	24.000
	-0.209	26.000
	1.602	28.000
	1.601	30.000
	-0.137	31.000
	-0.532	33.000
	-0.686	35.000

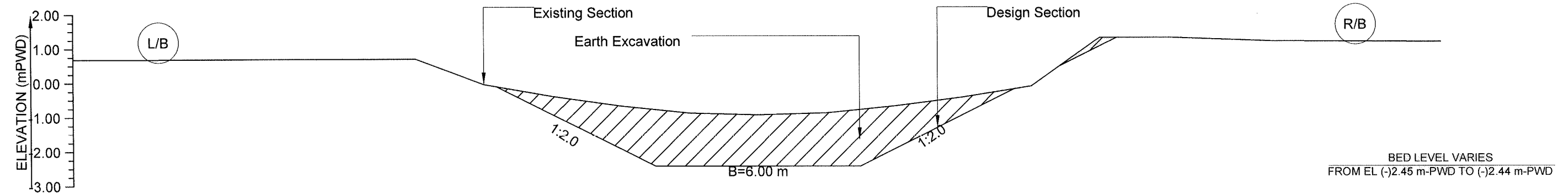
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 0.900
APPLICABLE FROM KM 0.850 TO KM 0.950

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CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE	
Date: 23/2/2025	Drawing No: DC5-5793-09/25


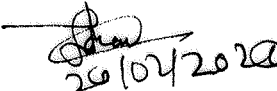



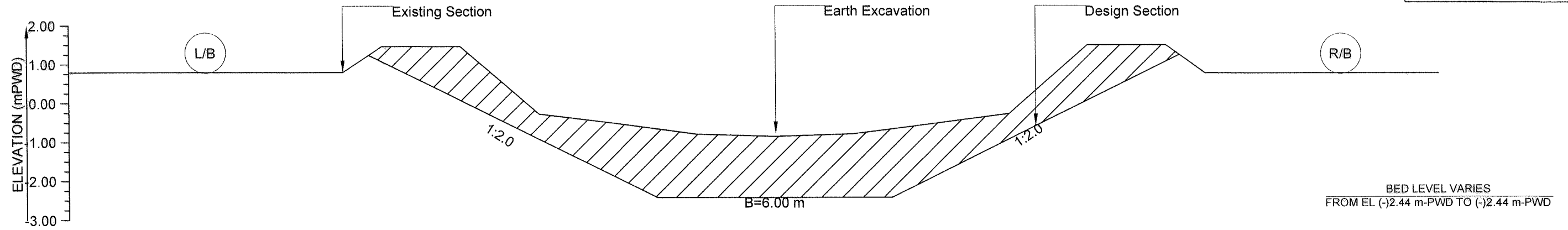
Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	0.591	0.000
	0.586	0.500
	0.581	0.938
		1.000
		1.200
		1.299
		1.347
		1.400
		1.477
		1.500
		1.600
		1.670
		1.745
		1.800
		1.859
		1.900
		1.959
		2.000
		2.090
		2.100
		2.200
		2.277
		2.300
		2.400
		2.484
		2.500
		2.596
		2.600
		2.700
		2.777
		2.800
		2.873
		2.900
		2.986
		3.000
		3.062
		3.100
		3.200
		3.277
		3.300
		3.400
		3.484
		3.500
		3.596
		3.600
		3.700
		3.777
		3.800
		3.873
		3.900
		3.986
		4.000
		4.062
		4.100
		4.200
		4.277
		4.300
		4.400
		4.484
		4.500
		4.596
		4.600
		4.700
		4.777
		4.800
		4.873
		4.900
		4.986
		5.000
		5.062
		5.100
		5.200
		5.277
		5.300
		5.400
		5.484
		5.500
		5.596
		5.600
		5.700
		5.777
		5.800
		5.873
		5.900
		5.986
		6.000
		6.062
		6.100
		6.200
		6.277
		6.300
		6.400
		6.484
		6.500
		6.596
		6.600
		6.700
		6.777
		6.800
		6.873
		6.900
		6.986
		7.000
		7.062
		7.100
		7.200
		7.277
		7.300
		7.400
		7.484
		7.500
		7.596
		7.600
		7.700
		7.777
		7.800
		7.873
		7.900
		7.986
		8.000
		8.062
		8.100
		8.200
		8.277
		8.300
		8.400
		8.484
		8.500
		8.596
		8.600
		8.700
		8.777
		8.800
		8.873
		8.900
		8.986
		9.000
		9.062
		9.100
		9.200
		9.277
		9.300
		9.400
		9.

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

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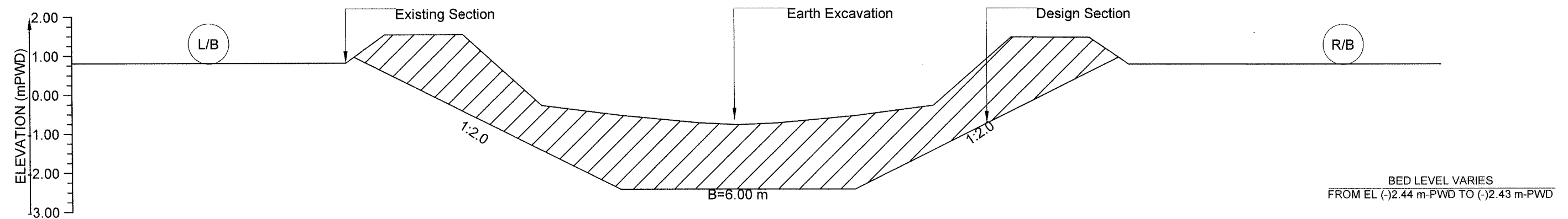
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.100
APPLICABLE FROM KM 1.050 TO KM 1.150

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 (JAKARIA PERVEZ), SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE	
Date: 23/2/2025	Drawing No: DC5-5793-10/25




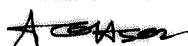
Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	0.792	0.000
		7.000 0.787
		7.661 1.230
		8.000 1.457
		10.000 1.452
		11.330 0.291
		12.000 -0.293
		14.000 -0.544
		15.000 -0.679 -0.2440
		16.000 -0.814
		18.000 -0.873 -0.2440
		20.000 -0.811
		21.000 -0.682 -0.2440
		22.000 -0.553
		24.000 -0.288
		24.672 0.309
		26.000 1.487
		28.000 1.482
		28.344 1.232
		29.000 0.757
		30.000 0.742
		35.000 0.737

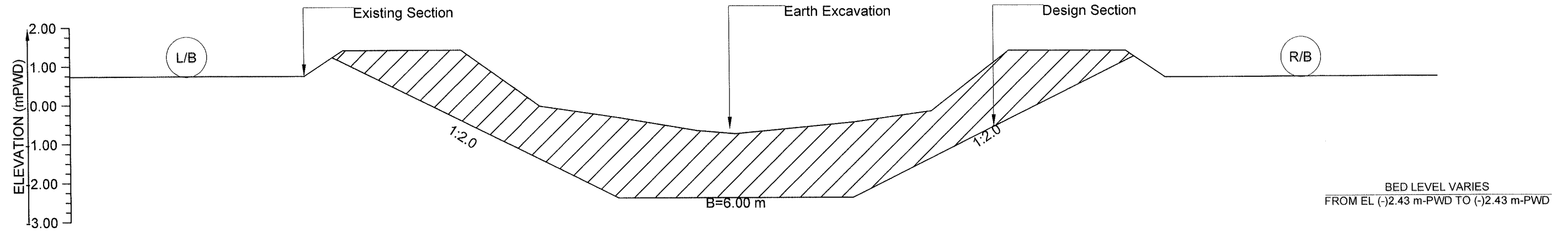
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.200
APPLICABLE FROM KM 1.150 TO KM 1.250



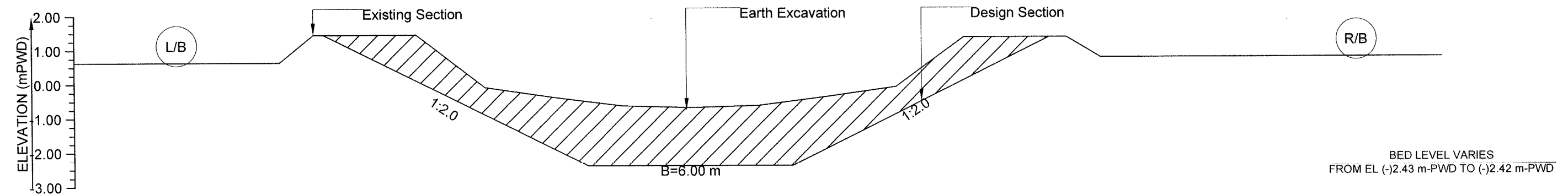
Design Bed Level in (mPWD)	
Existing Bed Level in (mPWD)	0.807
Distance(m)	
0.000	0.802
2.000	0.855
4.000	1.532
6.000	1.527
8.000	0.977
10.000	-0.293
12.000	-0.544
14.000	-0.544
16.000	-0.741
18.000	-0.793
20.000	-0.558
22.000	-0.294
24.000	0.906
26.000	1.456
28.000	1.441
30.000	0.932
32.000	0.756
34.000	0.752
36.000	0.747

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:  26/02/2025 (JAKARIA PERVEZ), SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE	
Date: 23/2/2025	Drawing No: DC5-5793-11/25



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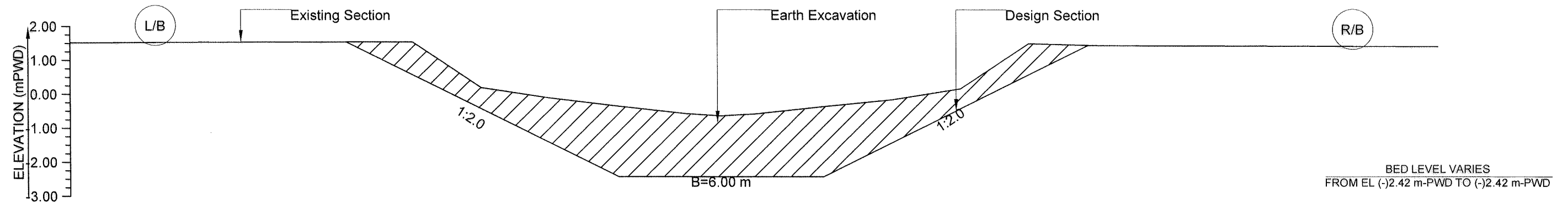
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.400
APPLICABLE FROM KM 1.350 TO KM 1.450



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	0.630	
	0.625	3.000
	1.432	7.000
	1.432	7.296
		10.000
	1.433	10.000
	0.542	11.148
	-0.120	12.000
	-0.415	14.000
	-0.541	15.000
	-0.667	16.000
	-0.725	18.000
	-0.666	20.000
	-0.538	21.000
	-0.410	22.000
	-0.123	24.000
	0.424	24.751
	1.335	26.000
	1.331	28.502
	1.330	29.000
	0.729	30.000
	0.735	35.000
	0.740	40.000

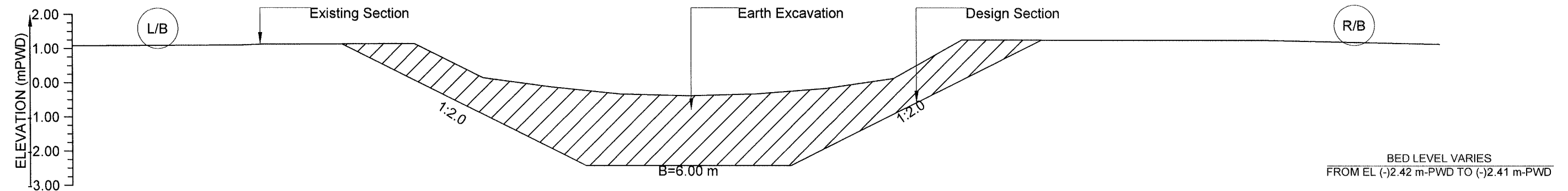
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.500
APPLICABLE FROM KM 1.450 TO KM 1.550

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 -0.2420
	18.000 -0.572
	19.000 -0.631 -0.2420
	20.000 -0.576
	22.000 -0.356 -0.2420
	24.000 -0.156
	25.871 0.144
	26.000 1.498
	28.742 1.451
	30.000 1.444
	35.000 1.424
	40.000 1.404

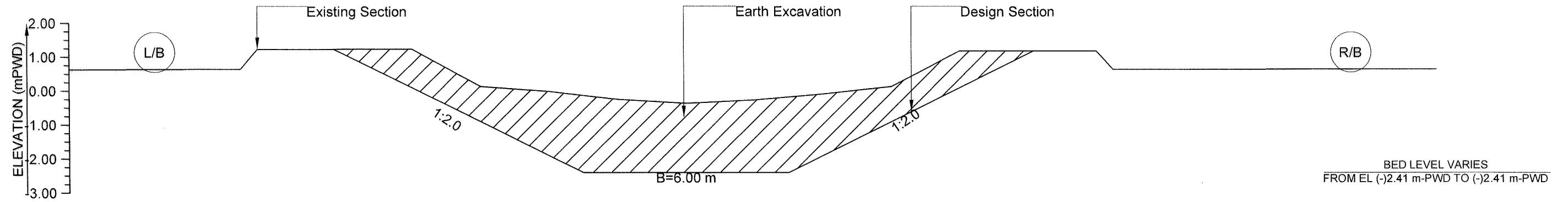
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.600
APPLICABLE FROM KM 1.550 TO KM 1.650



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	1.077	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	16.000
	-0.330	18.000
	-0.386	20.000
	-0.420	21.000
	-0.420	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	

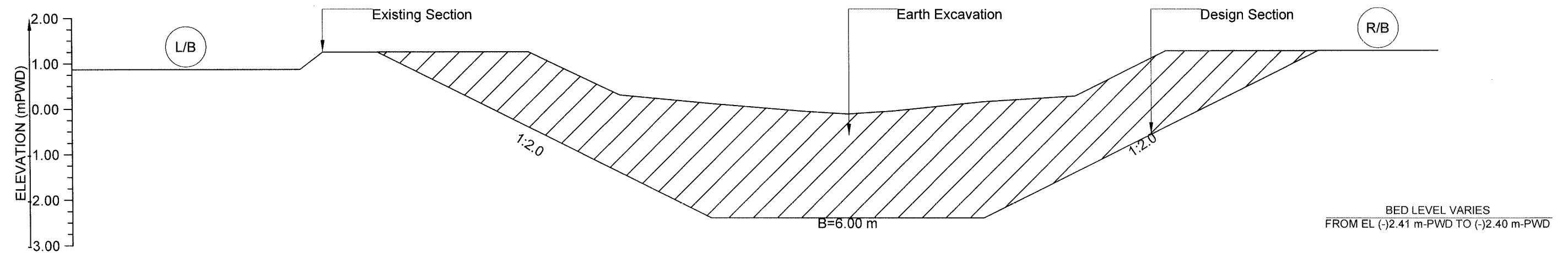
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.700
APPLICABLE FROM KM 1.650 TO KM 1.750

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:  (MD. MOSTAFA KAMAL), AE	APPROVED BY:  25/02/2025 (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
	0.638
	1.223
	1.225
	1.228
	0.474
	0.123
	-0.023
	-0.140(-)2.410
	-0.256
	-0.372(-)2.410
	-0.273
	-0.185(-)2.410
	-0.097
	0.431
	1.177
	1.175
	1.173
	0.628
	0.633
	0.000

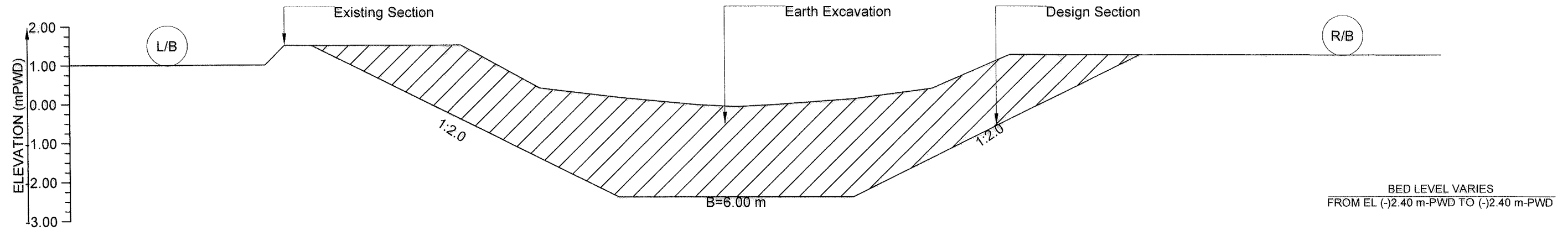
TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 1.800
APPLICABLE FROM KM 1.750 TO KM 1.850



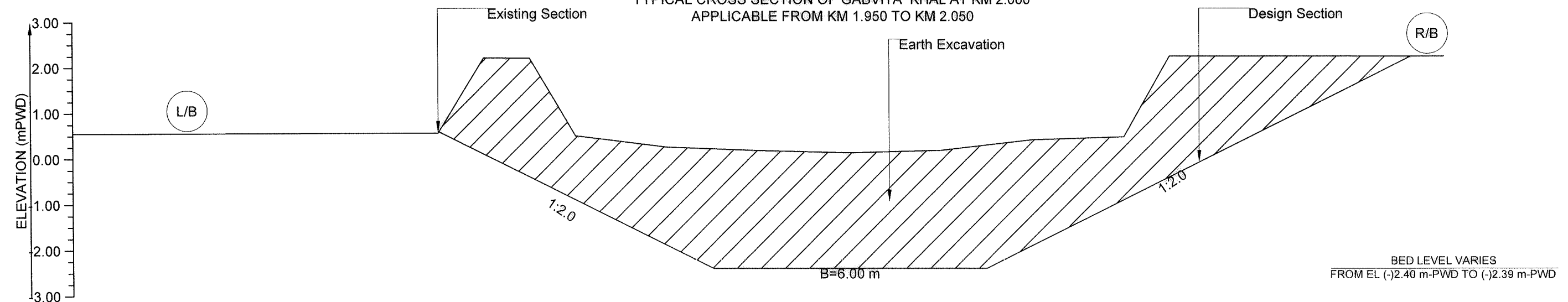
Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	0.868	0.000
		5.000
	0.871	5.500
	1.251	
		6.696
	1.252	
		10.000
	1.255	10.348
	1.089	
		12.000
	0.301	
		14.000
	0.111	
	-0.2400	
		16.000
	-0.055	
		17.000
	-0.118	
	-0.2400	
		18.000
	-0.052	
		20.000
	0.155	
	-0.2400	
		22.000
	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 GABVITĀ KHAL AT KM 1.900
APPLICABLE FROM KM 1.850 TO KM 1.950

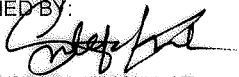


Bangladesh Water Development Board	
Office of The Superintending Engineer, Design Circle-5	
CRISP-WRM	
Re-excavation of Gabvita Khal from km. 0.000 to km. 4.053 in polder -1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division. BWDB, Gopalganj during the year 2024-2025	
TYPICAL 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

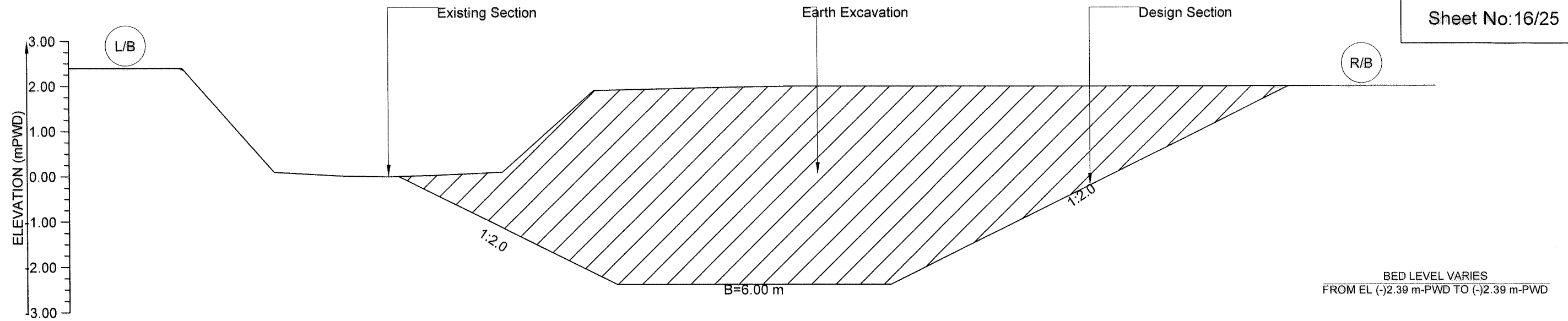
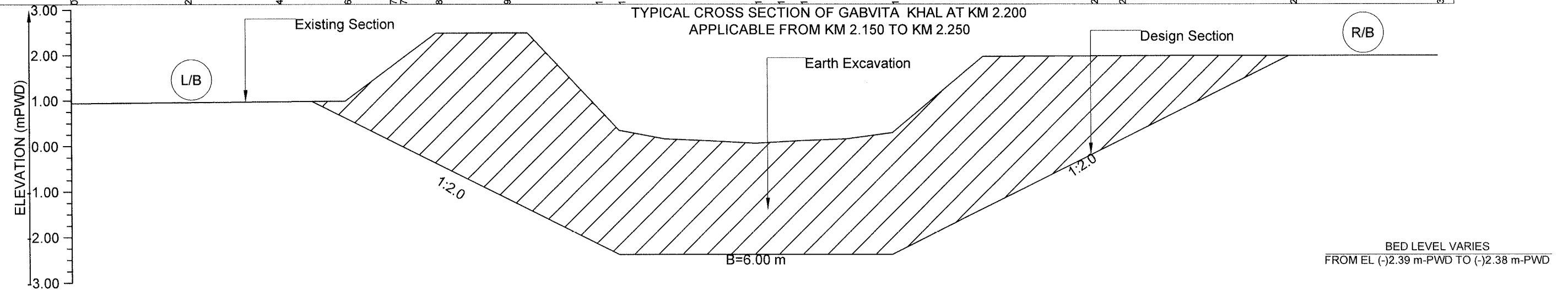
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TYPICAL CROSS SECTION OF GABVITA KHAL AT KM 2.000
APPLICABLE FROM KM 1.950 TO KM 2.050

[illegible]

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:  26/04/2028
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE	(JAKARIA PERVEZ), SE
Date: 23/2/2025	Drawing No: DC5-5793-15/25

[illegible][illegible]

TYPICAL CROSS SECTION OF GABVITA 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


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:

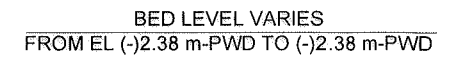

26/02/2016

CHECKED AND RECOMMENDED BY:

(MD. KAMRUL HASAN),EE

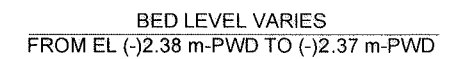
(JAKARIA PERVEZ), SE

Date: 3/17/2025

Drawing No:DC5-5793-16/25



L/B



L/B

Bangladesh Water Development Board

CRISP-WRM

TYPICAL CROSS SECTION OF GABVITA KHAL

APPROVED BY:

~~Shu~~
26/02/2026

(JAKARIA PERVEZ),SE

Drawing No:DC5-5793-17/25

BED LEVEL VARIES
FROM EL (-)2.36 m-PWD TO (-)2.36 m-PWD

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

Existing Section

Earth Excavation

Design Section

L/B

R/B

1:2.0

1:2.0

B=6.00 m

ELEVATION (mPWD)

BED LEVEL FROM EL (-)2.36 m-PV

BED LEVEL VARIES
FROM EL (-)2.36 m-PWD TO (-)2.35 m-PWD

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

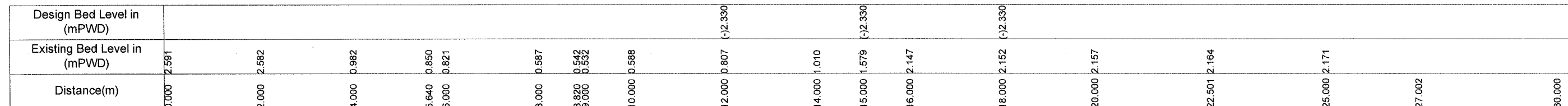
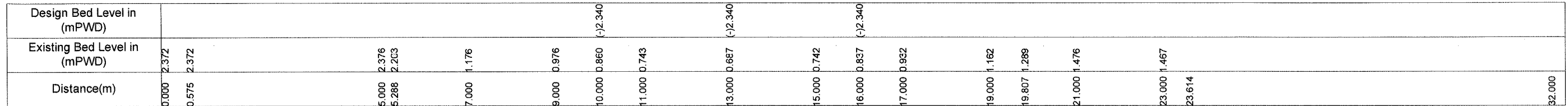
APPROVED BY:


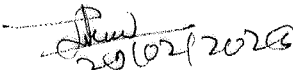

CHECKED AND RECOMMENDED BY:

 (MD. KAMRUL HASAN), EE

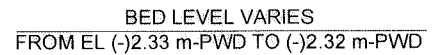
(JAKARIA PERVEZ), SE

Date: 23/2/2025

Drawing No:DC5-5793-19/25



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

R/B

747

Bangladesh Water Development Board

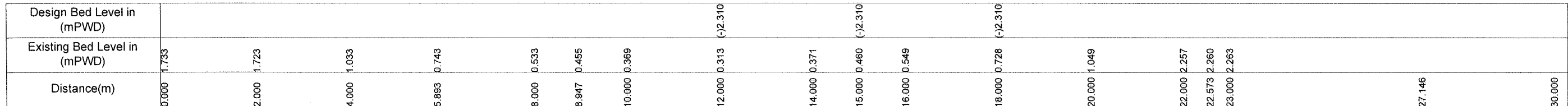
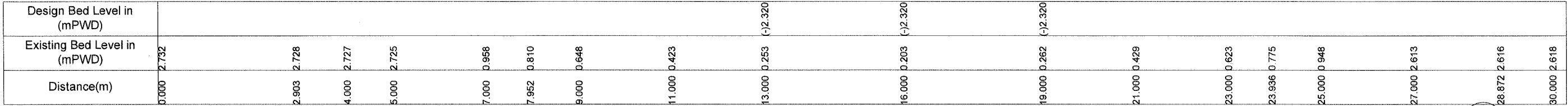
CRISP-WRM




TYPICAL CROSS SECTION OF GABVITA KHAL

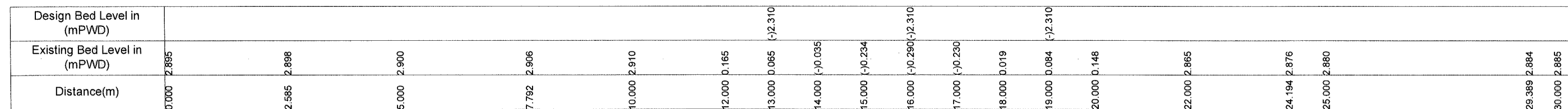
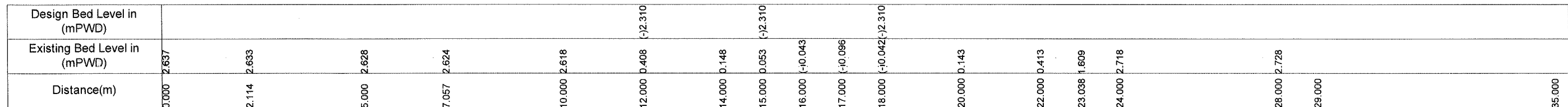
APPROVED BY:

(JAKARIA PERVEZ), SE

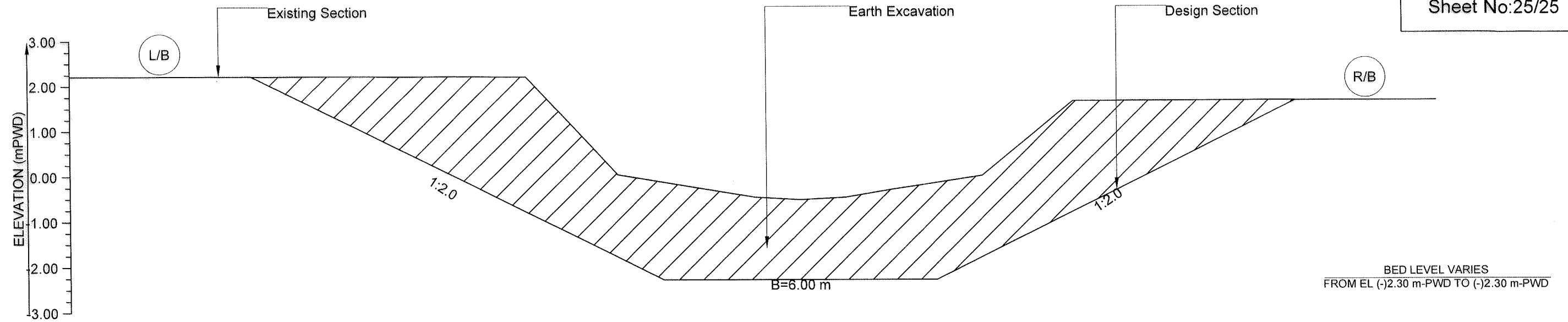
Drawing No:DC5-5793-22/25



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:  26/02/2025 (JAKARIA PERVEZ), SE
CHECKED AND RECOMMENDED BY:  (MD. KAMRUL HASAN), EE	
Date: 23/2/2025	Drawing No: DC5-5793-23/25

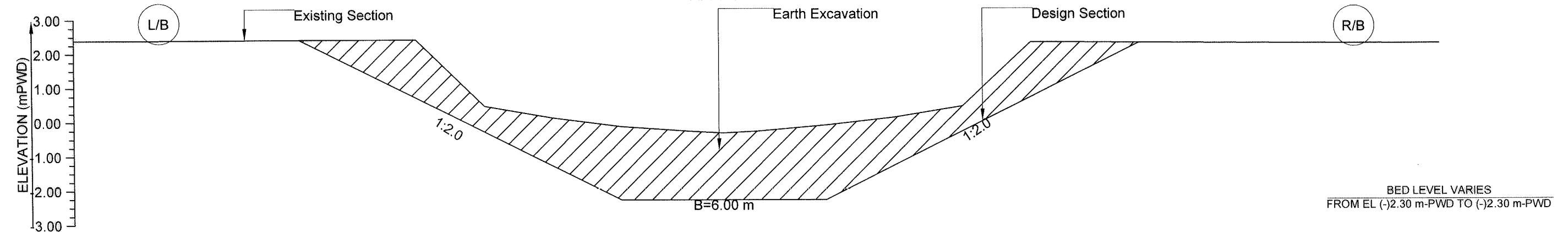


Drawing No:DC5-5793-24/25



Design Bed Level in (mPWD)	Existing Bed Level in (mPWD)	Distance(m)
	2.270	0.000
	2.206	33.988
	2.205	35.000
	2.198	38.494
	2.195	40.000
	0.020	12.000
	-0.148 (-0.300)	13.000
	-0.315	14.000
	-0.481	15.000
	-0.540 (-0.300)	16.000
	-0.483	17.000
		18.000
	-0.161 (-0.300)	19.000
	-0.006	20.000
	1.646	22.000
	1.647	22.948
	1.650	25.000
	1.648	26.895
	1.644	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)	Distance(m)
	2.382	0.000
	2.397	0.000
	2.400	0.601
	2.405	0.000
	2.4135	1.300
	2.452	0.000
	2.4105	14.000
	-0.153(-)2.300	16.000
	-0.295(-)2.300	18.000
	-0.347(-)2.300	19.000
	-0.294(-)2.300	20.000
	-0.118(-)2.300	22.000
	0.106	24.000
	0.432	26.000
	0.983	26.588
	2.306	28.000
	2.288	31.177
	2.267	35.000
	2.249	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	
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: DC5-5793-25/25