

BANGLADESH WATER DEVELOPMENT BOARD



Design Data for Re-excavation of 6 nos khal- Gunapara khal 1.750km, Kadar khal 2.555km, Pachuria khal 4.615km, Char Pathalia khal 2.525km, Sunakur khal 1.930km, Gabvita khal 4.053km total 17.428 in polder-1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-25.

Name of the Project : Implementation of integrated water resources management for improvement of Drainage congestion in Tungipara and Kotalipara Upazila under Gopalganj District.

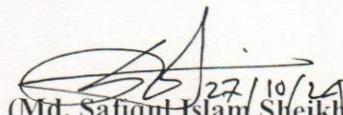
Name of the Office : Sub-Project Management Office,
IDWRM-KT (CRISP-WRM)
Specialized Division, BWDB, Gopalganj.

TECHNICAL REPORT

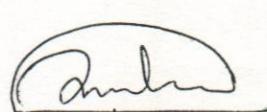
This data checklist has been prepared for the design of the Re-excavation of 6 nos khal such as Gunapara khal 1.750km, Kadar khal 2.555km, Pachuria khal 4.615km, Char Pathalia khal 2.525km, Sunakur khal 1.930km, Gabvita khal 4.053km total 17.428 in polder-1 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-25.

The Tarail Pachuria Sub-Project is located in Gopalganj Sadar & Tungipara Upazila of Gopalganj district. In this sub-project, many hydraulic structures i.e., Drainage Sluices and Outlets constructed in different periods. But the sluice connecting khal & other drainage khal and Internal natural Khals have not been re-excavated for a long time. So, all kinds of khals are mostly silted up. For this reason, drainage systems are not operated successfully. In the rainy season, a vast area of the polder-1 is waterlogged and damages the standing crops, properties, and livelihood. As per the demand of local people & affected farmers, the Re-excavation of 6 nos khal such as Gunapara khal, Kadar khal, Pachuria khal, Char Pathalia khal, Sunakur khal has been included in the CRISP-WRM Project. The total length of the 6 nos Khal is 17.428 KM. This Khals needs to be re-excavated for the improvement of the drainage facility. For this re-excavation, a design is required.

Necessary Design data has been collected, processed, and submitted herewith for preparing the design.



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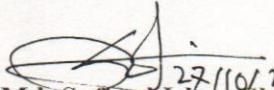
INDEX
FOR
6 NOS RE-EXCAVATION OF KHAL

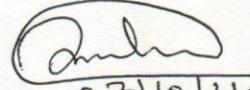
Sl No	Name of Khal	Excavation Length (km)	Page		Remarks
			From	To	
1	2	3	4	5	6
01	Gunapara khal	1.750			
02	Kadar khal	2.555			
03	Pachuria khal	4.615			
04	Char Pathalia khal	2.525			
05	Sunakur khal	1.930			
06	Gabvita khal	4.053			
Total		17.428			

Data Statement

For Re-excavation of Khal

Sl.No	Name of Component	Type	Length (km)	Proposed Design Value			Remarks if any
				Side slope (Both side)	Bed Level	Bed width	
1	2	3	4	5	6	7	11
1.	Gunapara khal	Re-excavation	1.750	1 : 1.50	(-)0.60m PWD	3.00 m	
2.	Kadar khal	Re-excavation	2.555	1 : 1.50	(-)1.50m PWD	From km 0.00 to 1.50m 10.00m & From km 1.50 to 2.555m 6.00m	
3.	Pachuria khal	Re-excavation	4.615	1 : 1.50	(-)3.00m PWD	From km 0.00 to 0.900m 13.00m & From km 0.900 to 4.650m 15.00m	
4.	Char Pathalia khal	Re-excavation	2.525	1 : 1.50	(-)1.30m PWD	4.00 m	
5.	Sunakur khal	Re-excavation	1.930	1 : 1.50	(-)1.20m PWD	4.00 m	
6.	Gabvita khal	Re-excavation	4.053	1 : 1.50	(-)2.50m PWD	6.00 m	
Total			17.428km				

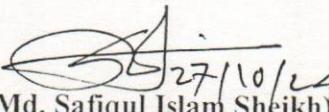

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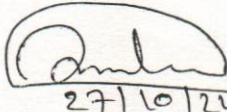

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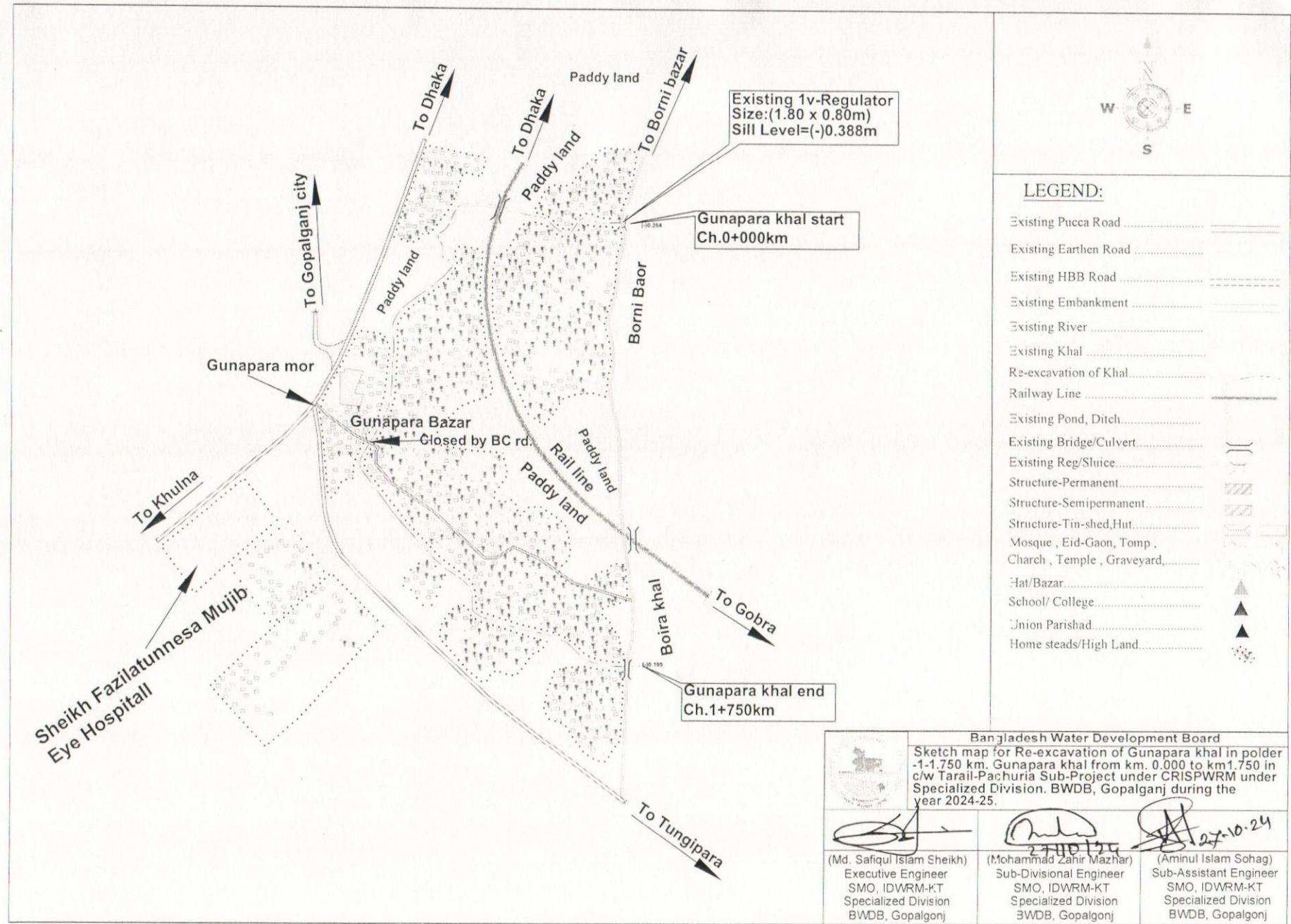
Data Checklist for the Re-excavation of Gunapara khal

1.	Name of the proposed Khal	:	Gunapara khal
2.	Catchments Area	:	180.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.10 m (PWD)
4.	Avg. Ground level of the area	:	1.60 m (PWD)
5.	Length of the Khal	:	1.750km
6.	Bed level of the outfall Khal/River	:	(-) 0.490 (PWD) (Borni-Baor)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	3.00 m
10.	The proposed bed level of the Khal	:	(-) 0.60 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	30.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL – 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.


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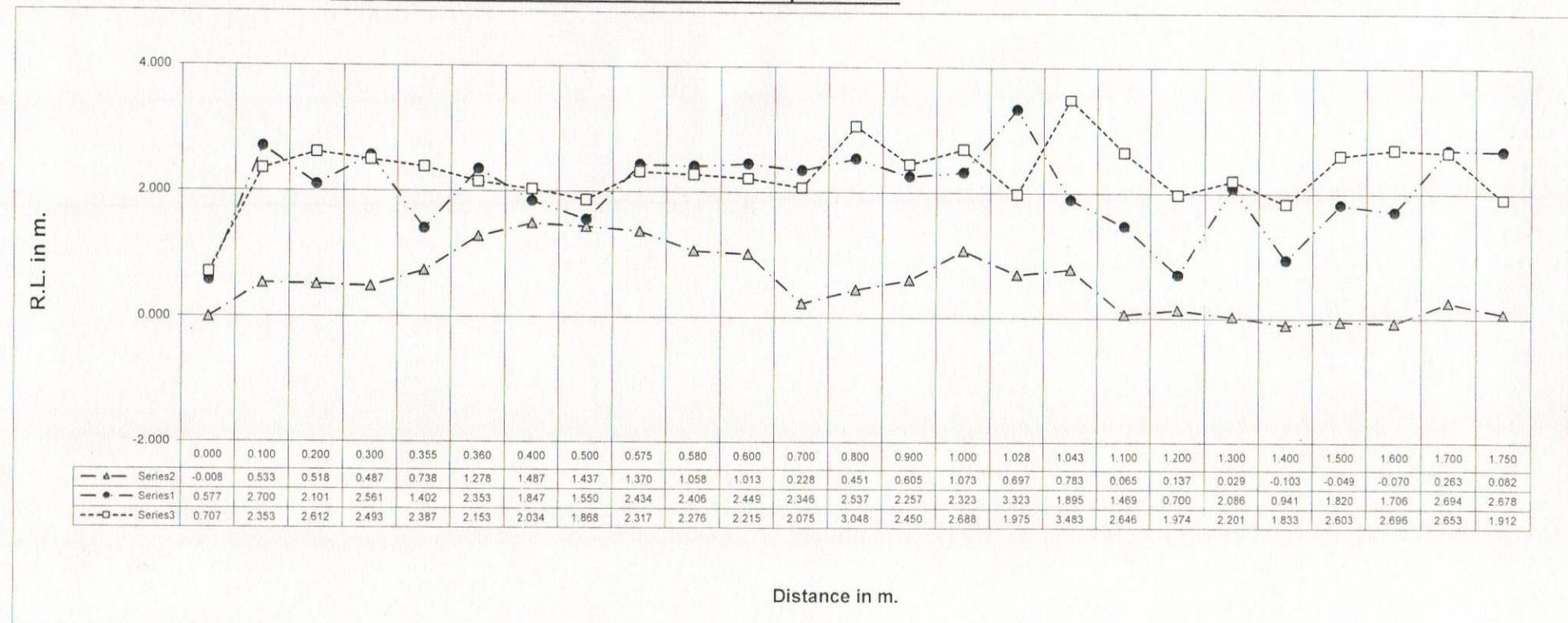

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Ch. Long Section of Gunapara Khal

Dist/Chim	0.000	0.100	0.200	0.300	0.355	0.360	0.400	0.500	0.575	0.580	0.600	0.700	0.800	0.900	1.000	1.028	1.043	1.100	1.200	1.300	1.400	1.500	1.600	1.700	1.750
C/L R.L.	-0.008	0.533	0.518	0.487	0.738	1.278	1.487	1.437	1.370	1.058	1.013	0.228	0.451	0.605	1.073	0.697	0.783	0.065	0.137	0.029	-0.103	-0.049	-0.070	0.263	0.082
L/B.R.L.	0.577	2.700	2.101	2.561	1.402	2.353	1.847	1.550	2.434	2.406	2.449	2.346	2.537	2.257	2.323	3.323	1.895	1.469	0.700	2.086	0.941	1.820	1.706	2.694	2.678
R/B.R.L.	0.707	2.353	2.612	2.493	2.387	2.153	2.034	1.868	2.317	2.276	2.215	2.075	3.048	2.450	2.688	1.975	3.483	2.646	1.974	2.201	1.833	2.603	2.696	2.653	1.912

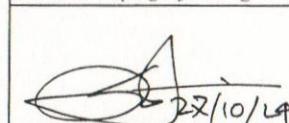
Long Section for re-excavation of Gunapara Khal



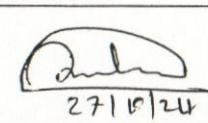
Distance in m.

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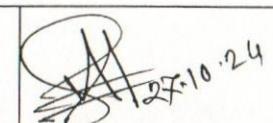
Long Section for Re-excavation of Gunapara khal from km. 0.000 to km. 1.750 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.



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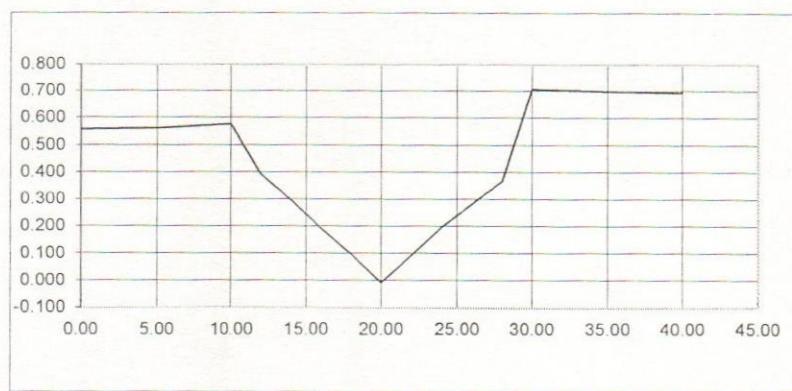
Cross Section for Re-excavation of Gunapara khal from km. 0.000 to km. 1.750 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

X - Section at km. 0.000

Dist RL

Pre-work

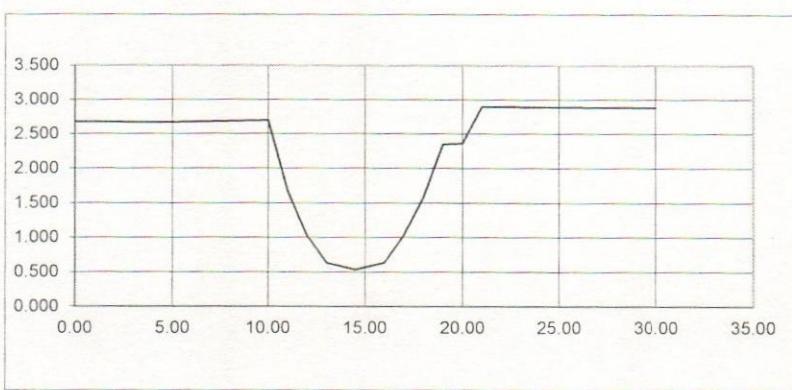
0.00	0.557	Hugla
5.00	0.562	
10.00	0.577	LB
12.00	0.392	
14.00	0.296	
16.00	0.191	
18.00	0.096	
20.00	-0.008	CL
22.00	0.093	
24.00	0.196	
26.00	0.283	
28.00	0.367	
30.00	0.707	RB
35.00	0.699	
40.00	0.694	Road side



X - Section at km. 0.100

Pre-work

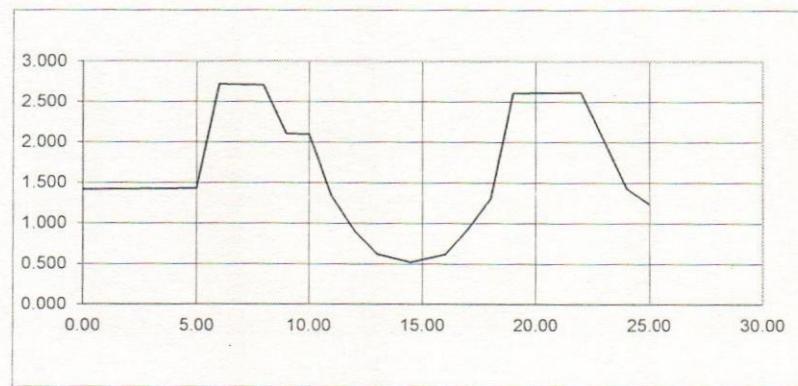
0.00	2.676	Home stead
5.00	2.671	
10.00	2.700	LB
11.00	1.691	
12.00	1.027	
13.00	0.634	
14.50	0.533	CL
16.00	0.636	
17.00	1.030	
18.00	1.585	
19.00	2.353	RB
20.00	2.365	
21.00	2.896	
25.00	2.891	
30.00	2.883	Garden



X - Section at km. 0.200

Pre-work

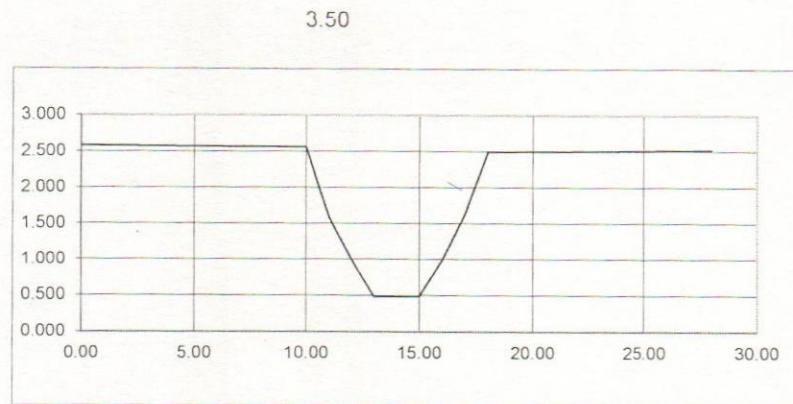
0.00	1.421	Paddy land
5.00	1.432	
6.00	2.717	
8.00	2.706	
9.00	2.108	
10.00	2.101	LB
11.00	1.326	
12.00	0.905	
13.00	0.621	
14.50	0.518	CL
16.00	0.619	
17.00	0.930	
18.00	1.306	
19.00	2.612	RB
22.00	2.618	
24.00	1.431	
25.00	1.235	Pond



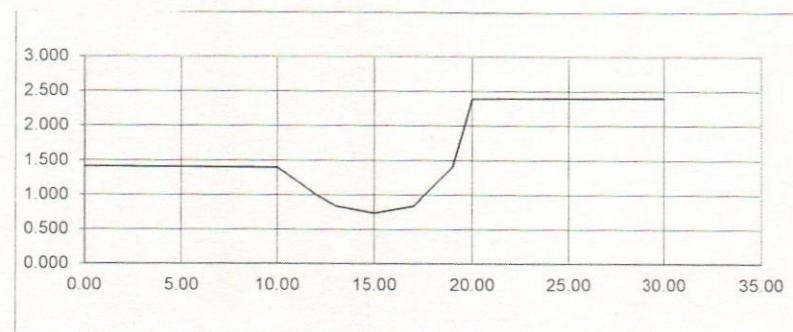
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X - Section at km.	0.300
Pre-work	
0.00	2.583
5.00	2.569
10.00	2.561
11.00	1.596
12.00	1.002
13.00	0.488
14.00	0.487
15.00	0.492
16.00	0.991
17.00	1.639
18.00	2.493
23.00	2.505
28.00	2.519
	Open land



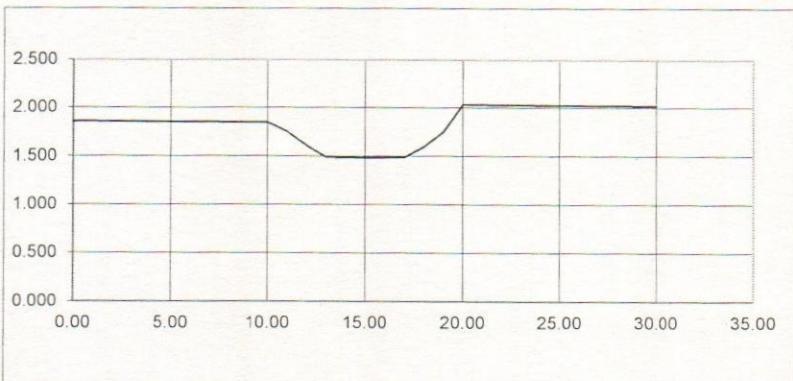
X - Section at km.	0.355
Pre-work	
0.00	1.413
5.00	1.408
10.00	1.402
11.00	1.207
12.00	1.002
13.00	0.838
15.00	0.738
17.00	0.840
18.00	1.130
19.00	1.413
20.00	2.387
25.00	2.398
30.00	2.403
	Paddy land



X - Section at km.	0.360
Pre-work	
0.00	2.371
5.00	2.359
10.00	2.353
11.00	1.340
12.00	1.334
13.00	1.323
14.00	1.278
15.00	1.319
16.00	1.324
17.00	1.330
18.00	2.153
23.00	2.159
28.00	2.172
	Paddy land



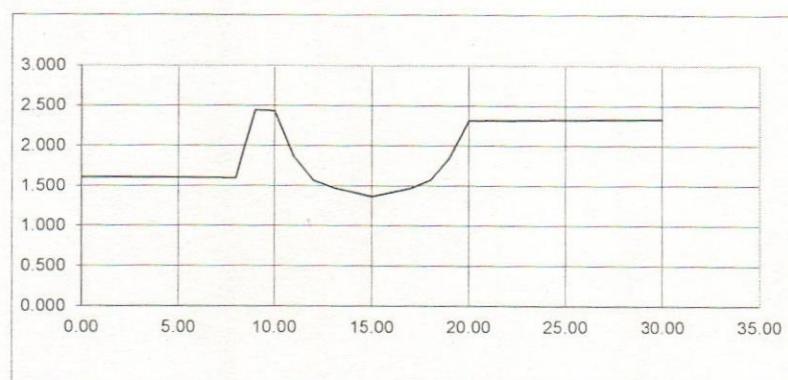
X - Section at km.	0.400
Pre-work	
0.00	1.858
5.00	1.853
10.00	1.847
11.00	1.754
12.00	1.607
13.00	1.487
15.00	1.483
17.00	1.485
18.00	1.594
19.00	1.749
20.00	2.034
25.00	2.025
30.00	2.016
	Paddy land



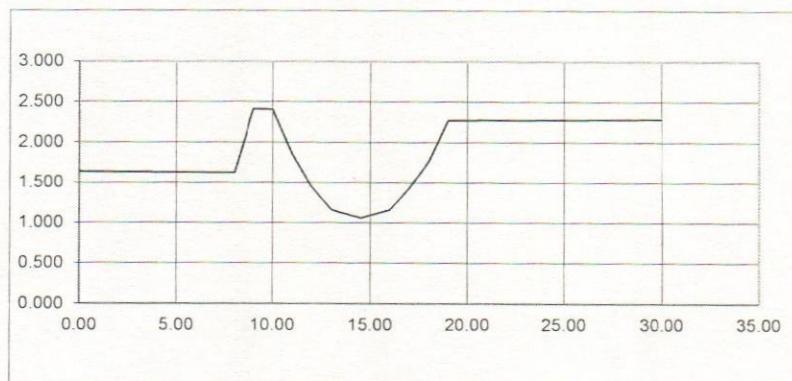
X - Section at km.	0.500
Pre-work	
0.00	1.566 Paddy land
5.00	1.561
10.00	1.550 LB
11.00	1.523
12.00	1.506
13.00	1.483
15.00	1.437 CL
17.00	1.486
18.00	1.580 RB
19.00	1.675
20.00	1.868 Paddy land
25.00	1.874
30.00	1.889



X - Section at km	0.575
Pre-work	
0.00	1.609 Paddy land
5.00	1.604
8.00	1.598
9.00	2.445 LB
10.00	2.434
11.00	1.859
12.00	1.569
13.00	1.476
15.00	1.370 CL
17.00	1.473
18.00	1.577
19.00	1.843
20.00	2.317 RB
25.00	2.325
30.00	2.334 Home stead



X - Section at km.	0.580
Pre-work	
0.00	1.636 Paddy land
5.00	1.629
8.00	1.624
9.00	2.415 LB
10.00	2.406
11.00	1.858
12.00	1.446
13.00	1.160
14.50	1.058 CL
16.00	1.159
17.00	1.433
18.00	1.769
19.00	2.276 RB
25.00	2.283
30.00	2.290 Home stead



X - Section at km.	0.600
Pre-work	
0.00	1.719 Garden
5.00	1.714
7.00	1.706
8.00	2.460 LB
10.00	2.449
11.00	1.766
12.00	1.369
14.00	1.114 CL
15.50	1.013
17.00	1.115
19.00	1.350
20.00	1.745 RB
21.00	2.215
25.00	2.229
30.00	2.234 Garden



(W)

8

X - Section at km. 0.700

Pre-work	Open land
0.00	1.415
5.00	1.426
7.00	1.435
8.00	2.351
10.00	2.346
11.00	1.360
13.00	0.762
15.00	0.331
16.00	0.228
17.00	0.330
19.00	0.745
21.00	1.302
22.00	2.075
27.00	2.085
32.00	2.090
	Carden



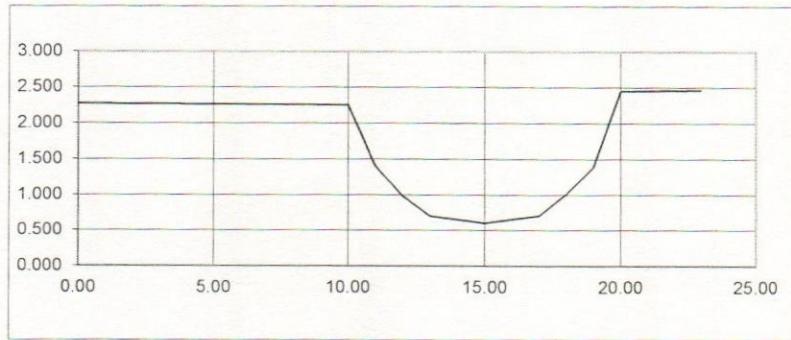
X - Section at km. 0.800

Pre-work	Paddy land
0.00	1.640
7.00	1.652
8.00	2.555
10.00	2.537
11.00	1.340
12.00	0.555
13.50	0.451
15.00	0.552
16.00	1.297
17.00	3.049
20.00	3.057
22.00	1.940
24.00	0.947
	Pond



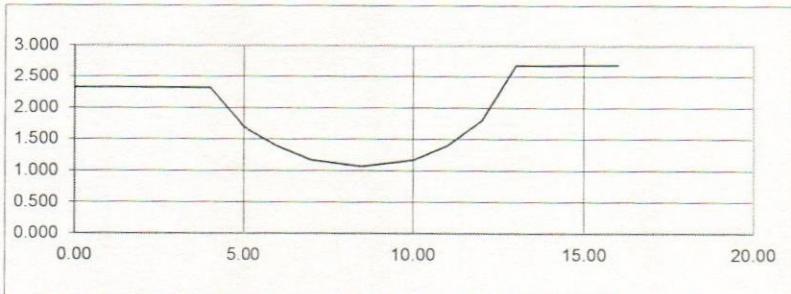
X - Section at km. 0.900

Pre-work	Home stead
0.00	2.271
5.00	2.266
10.00	2.257
11.00	1.411
12.00	0.992
13.00	0.704
15.00	0.606
17.00	0.706
18.00	1.013
19.00	1.391
20.00	2.450
23.00	2.461
	Mondir



X - Section at km. 1.000

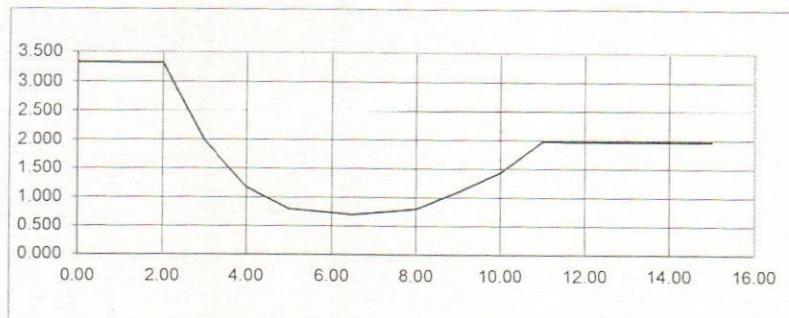
Pre-work	House
0.00	2.328
4.00	2.323
5.00	1.702
6.00	1.398
7.00	1.177
8.50	1.073
10.00	1.175
11.00	1.402
12.00	1.805
13.00	2.688
16.00	2.693
	House



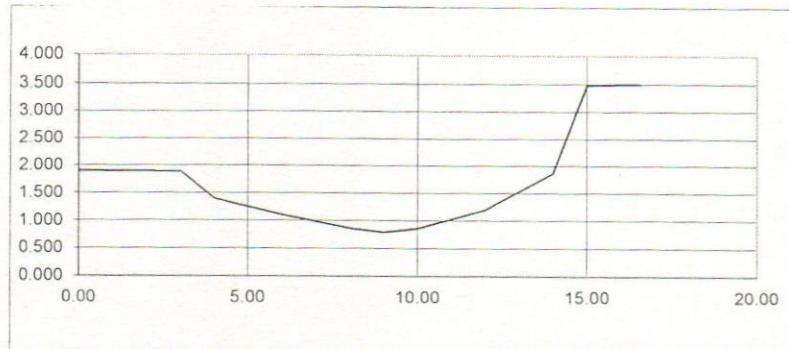
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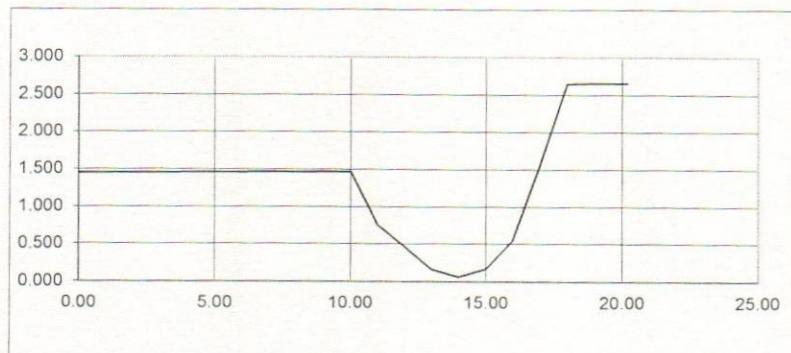
X - Section at km.	1.028
Pre-work	
0.00	3.328
2.00	3.323
3.00	1.985
4.00	1.173
5.00	0.799
6.50	0.697
8.00	0.798
9.00	1.105
10.00	1.439
11.00	1.975
12.00	1.968
15.00	1.968



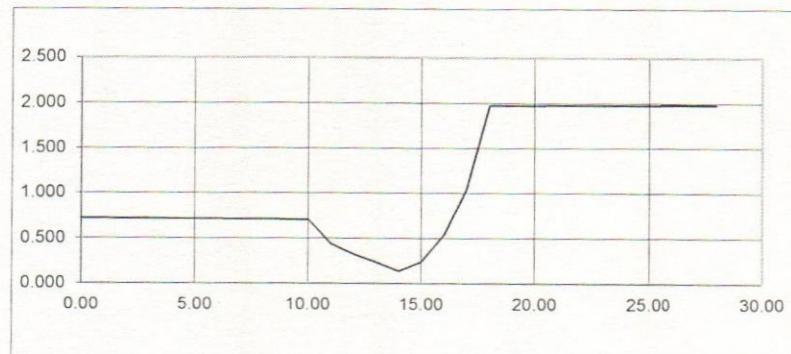
X - Section at km.	1.043
Pre-work	
0.00	1.904
3.00	1.895
4.00	1.399
6.00	1.109
8.00	0.861
9.00	0.788
10.00	0.860
12.00	1.205
14.00	1.872
15.00	3.483
16.00	3.497
16.59	3.497



X - Section at km.	1.100
Pre-work	
0.00	1.455
5.00	1.464
10.00	1.469
11.00	0.759
12.00	0.464
13.00	0.167
14.00	0.065
15.00	0.169
16.00	0.558
17.00	1.560
18.00	2.646
19.00	2.658
20.19	2.658



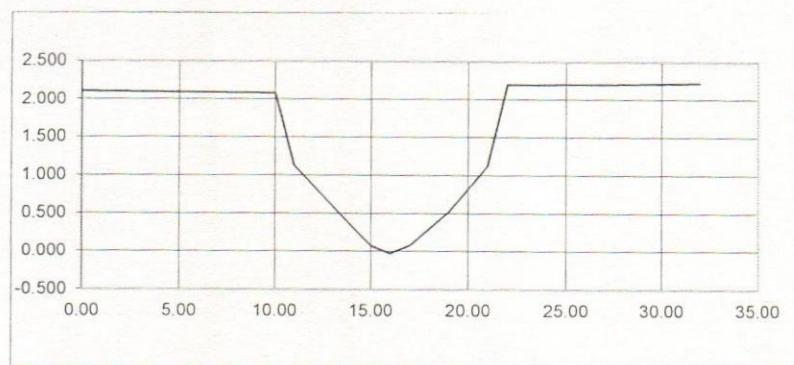
X - Section at km.	1.200
Pre-work	
0.00	0.719
5.00	0.714
10.00	0.706
11.00	0.439
12.00	0.324
13.00	0.236
14.00	0.137
15.00	0.239
16.00	0.536
17.00	1.035
18.00	1.974
23.00	1.979
28.00	1.986



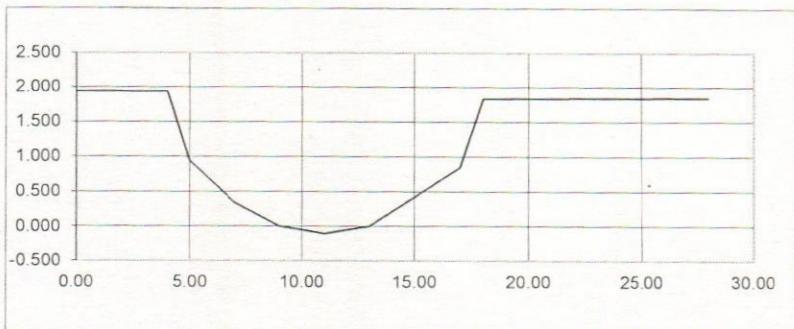
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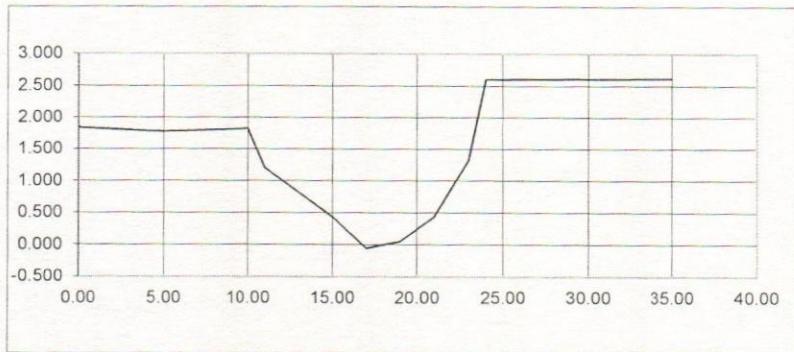
X - Section at km.	1.300
Pre-work	Garden
0.00	2.111
5.00	2.097
10.00	2.086
11.00	1.127
13.00	0.591
15.00	0.072
16.00	-0.029
17.00	0.076
19.00	0.520
21.00	1.123
22.00	2.201
27.00	2.206
32.00	2.222
	House Area



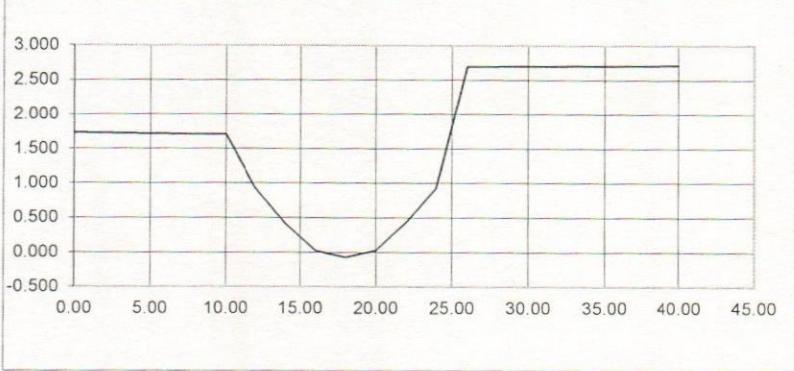
X - Section at km.	1.400
Pre-work	Garden
0.00	1.944
4.00	1.937
5.00	0.941
7.00	0.343
9.00	-0.001
11.00	-0.103
13.00	-0.002
15.00	0.421
17.00	0.847
18.00	1.833
23.00	1.840
28.00	1.847
	House LB
	CL
	RB
	Garden



X - Section at km.	1.500
Pre-work	Paddy land
0.00	1.836
5.00	1.771
10.00	1.820
11.00	1.206
13.00	0.823
15.00	0.430
17.00	-0.049
19.00	0.053
21.00	0.437
23.00	1.321
24.00	2.603
30.00	2.611
35.00	2.616
	House Area



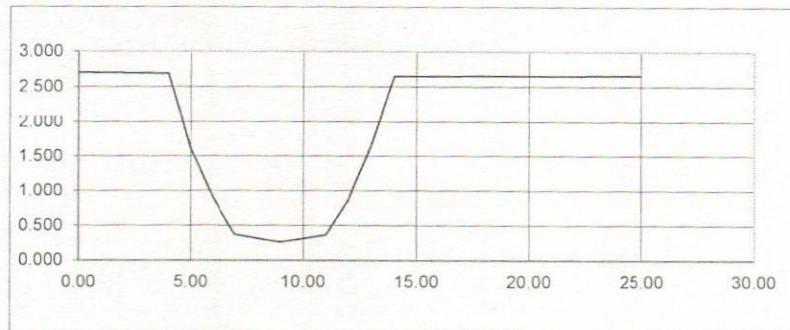
X - Section at km.	1.600
Pre-work	Garden
0.00	1.730
5.00	1.717
10.00	1.706
12.00	0.935
14.00	0.417
16.00	0.031
18.00	-0.070
20.00	0.032
22.00	0.437
24.00	0.935
26.00	2.696
30.00	2.701
35.00	2.706
40.00	2.718
	Garden



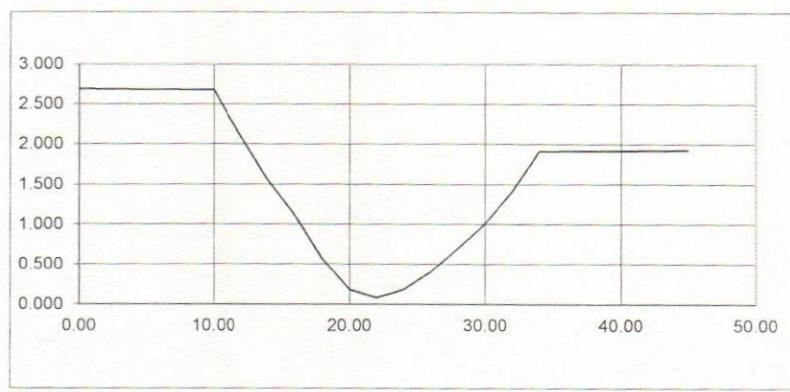
(u)

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X - Section at km.	1.700
Pre-work	
0.00	2.703
4.00	2.694
5.00	1.604
6.00	0.912
7.00	0.367
9.00	0.263
11.00	0.365
12.00	0.879
13.00	1.663
14.00	2.653
20.00	2.658
25.00	2.663
Garden	



X - Section at km.	1.750
Pre-work	
0.00	2.692
5.00	2.683
10.00	2.678
12.00	2.107
14.00	1.562
16.00	1.109
18.00	0.567
20.00	0.179
22.00	0.082
24.00	0.185
26.00	0.409
28.00	0.698
30.00	1.009
32.00	1.408
34.00	1.912
40.00	1.919
45.00	1.928
Khal bank	



(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24

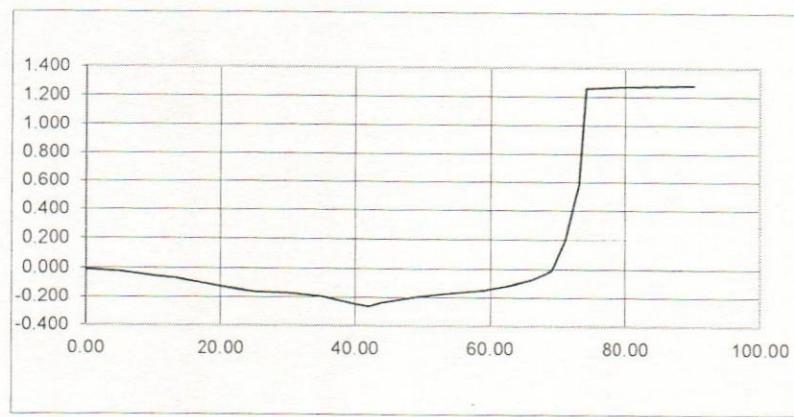
27/10/24

Cross Section of Out fall khal (Borni-Baor) Re-excavation of Gunapara khal from km. 0.000 to km. 1.750 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Borni-Baor along the Gunapara khal

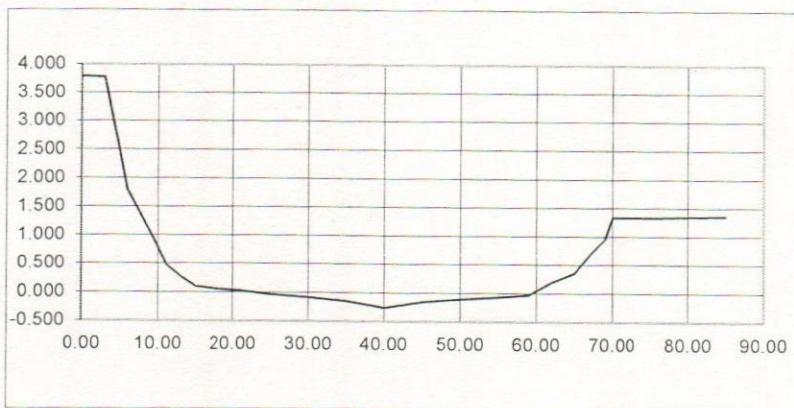
Pre-work

0.00	-0.008	Khal bed
5.00	-0.023	
10.00	-0.054	LB
11.00	-0.058	
13.00	-0.067	
15.00	-0.083	
18.00	-0.108	
21.00	-0.134	
25.00	-0.161	
30.00	-0.168	
35.00	-0.194	
40.00	-0.246	CL
42.00	-0.264	
44.00	-0.237	
49.00	-0.196	
54.00	-0.171	
59.00	-0.148	
63.00	-0.109	
66.00	-0.073	
69.00	-0.008	
71.00	0.202	
73.00	0.578	
74.00	1.260	RB
80.00	1.271	
85.00	1.277	
90.00	1.282	Char



Cross section of Borni-Baor 50 US from meeting point of Gunapara khal

0.00	3.791	BC Road
3.00	3.779	
6.00	1.798	
10.00	0.789	LB
11.00	0.478	
13.00	0.266	
15.00	0.099	
18.00	0.058	
21.00	0.023	
25.00	-0.033	
30.00	-0.088	
35.00	-0.144	
40.00	-0.264	CL
45.00	-0.161	
50.00	-0.107	
55.00	-0.073	
59.00	-0.028	
62.00	0.196	
65.00	0.357	
67.00	0.688	
69.00	0.957	
70.00	1.333	RB
75.00	1.339	
80.00	1.353	
85.00	1.366	Char



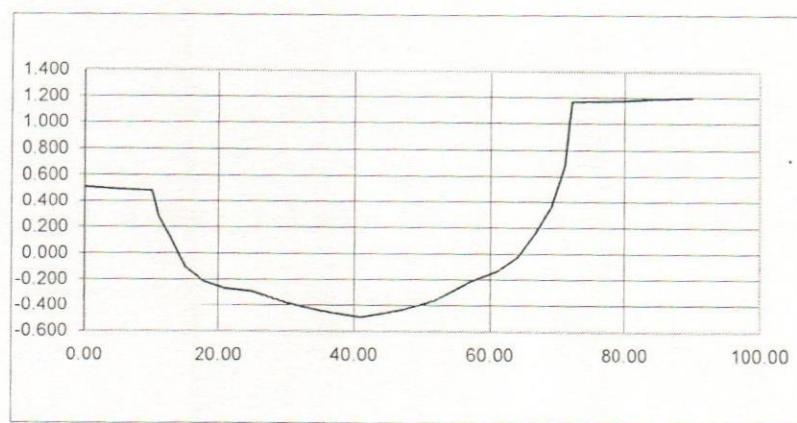
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8/

Cross section of Borni-Baor 50 DS from meeting point of Gunapara khal
18.00

Pre-work

0.00	0.512	Hugla
5.00	0.496	
10.00	0.485	LB
11.00	0.282	
13.00	0.096	
15.00	-0.107	
18.00	-0.218	
21.00	-0.271	
25.00	-0.293	
30.00	-0.377	
35.00	-0.443	
41.00	-0.490	CL
47.00	-0.437	
52.00	-0.358	
57.00	-0.218	
61.00	-0.133	
64.00	-0.022	
67.00	0.193	
69.00	0.367	
71.00	0.687	
72.00	1.168	RB
80.00	1.179	
85.00	1.193	
90.00	1.200	Char



27/10/24

(Md. Safiqul Islam Sifeikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

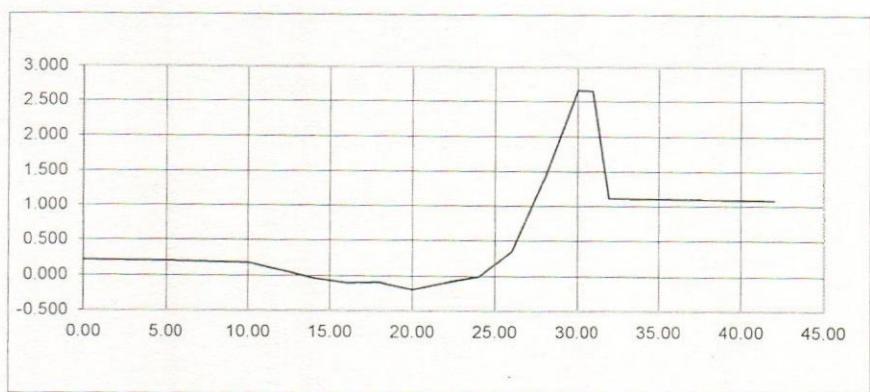
27/10/24

(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross section of Boira khal along the Gunapara khal

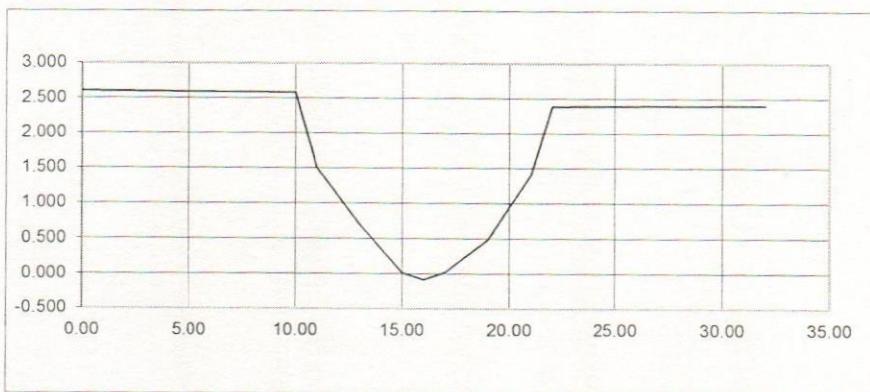
Pre-work

0.00	0.214	Khal bed
5.00	0.203	
10.00	0.183	LB
12.00	0.079	
14.00	-0.034	
16.00	-0.102	
18.00	-0.094	
20.00	-0.195	CL
22.00	-0.092	
24.00	-0.008	
26.00	0.345	
28.00	1.407	
30.00	2.662	RB
31.00	2.655	
32.00	1.108	
37.00	1.099	
42.00	1.085	Paddy land



Cross section of Boira khal 50 US from meeting point of Gunapara khal

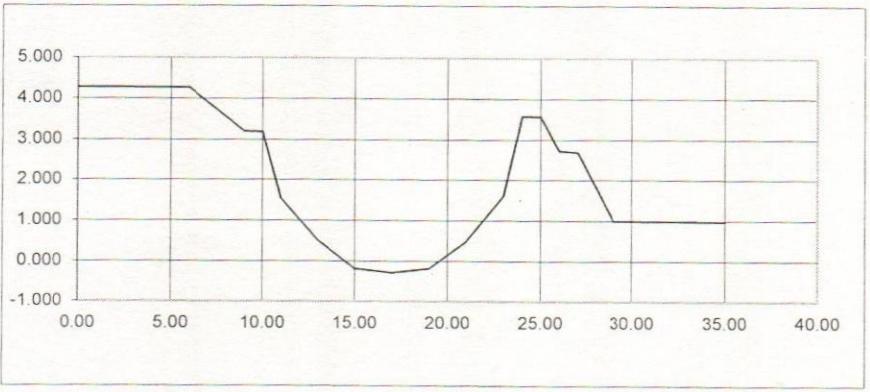
0.00	2.604	Play ground
5.00	2.593	
10.00	2.582	LB
11.00	1.507	
13.00	0.707	
15.00	0.015	
16.00	-0.084	CL
17.00	0.018	
19.00	0.488	
21.00	1.407	
22.00	2.385	RB
27.00	2.398	
32.00	2.403	Open land



Cross section of Boira khal 50 DS from meeting point of Gunapara khal

18.00

0.00	4.276	BC Road
6.00	4.267	
9.00	3.215	
10.00	3.198	LB
11.00	1.545	
13.00	0.507	
15.00	-0.185	
17.00	-0.288	CL
19.00	-0.187	
21.00	0.485	
23.00	1.614	
24.00	3.583	RB
25.00	3.572	
26.00	2.715	
27.00	2.685	
29.00	0.999	
35.00	0.983	Low land



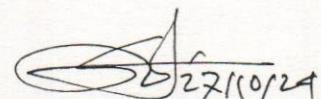
27/10/24
(Md. Safigul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

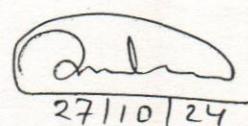
Data Checklist for the Re-excavation of Kadar khal

1.	Name of the proposed Khal	:	Kadar khal
2.	Catchments Area	:	280.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.445 m (PWD)
4.	Avg. Ground level of the area	:	1.20 m (PWD)
5.	Length of the Khal	:	2.555 km
6.	Bed level of the outfall Khal/River	:	(-) 6.92 (PWD) (Borni-Baor)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	From km 0.00 to km 1.500 For 10.00 m, From km 1.500 to km 2.555 For 6.00 m.
10.	The proposed bed level of the Khal	:	At 0.00 (-) 1.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	26.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.



27/10/24

(Md. Safiqul Islam Sheikh)
Executive Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj



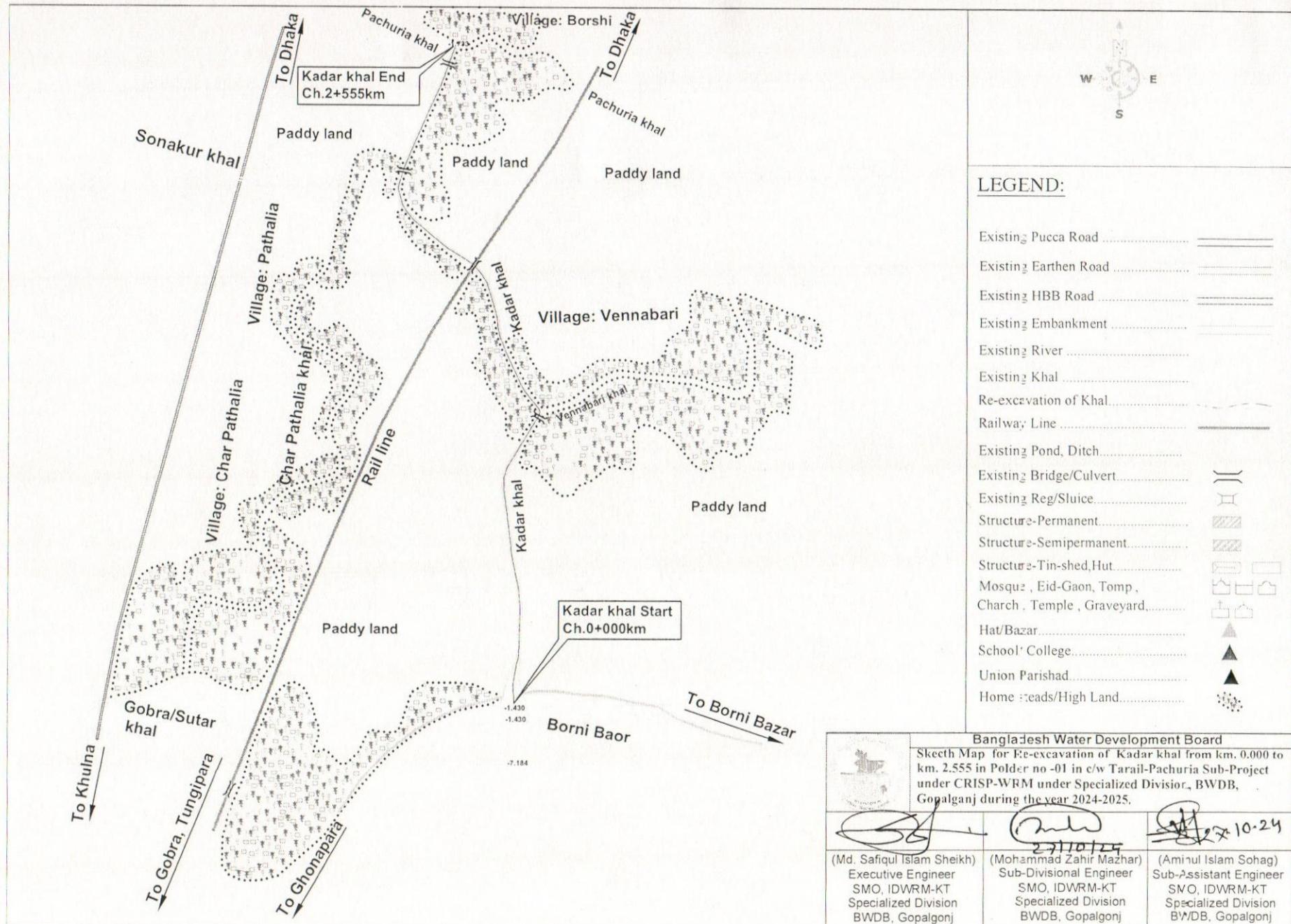
27/10/24

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj



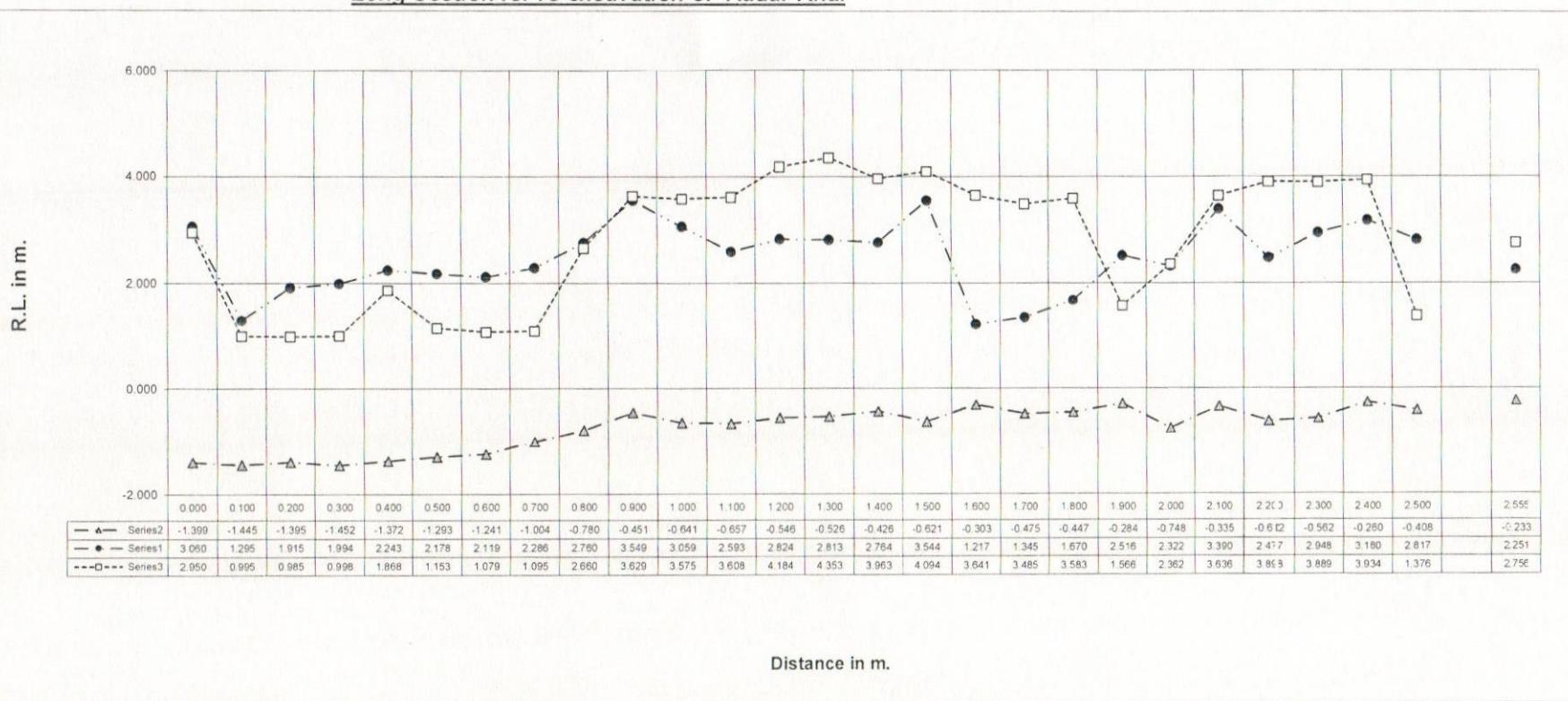
27.10.24

(Aminul Islam Sohag)
Sub-Assistant Engineer
Specialized Division
IDWRM-KT (CRISP-WRM)
BWDB, Gopalganj



Ch.	Long Section of Kadar Khal																										
Dist/Ch(m)	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	2.100	2.200	2.300	2.400	2.500	
C/L R.L.	-1.399	-1.445	-1.395	-1.452	-1.372	-1.293	-1.241	-1.004	-0.780	-0.451	-0.641	-0.657	-0.546	-0.526	-0.426	-0.621	-0.303	-0.475	-0.447	-0.284	-0.748	-0.335	-0.612	-0.562	-0.260	-0.408	-0.233
U/B.R.L.	3.060	1.295	1.915	1.994	2.243	2.178	2.119	2.286	2.760	3.549	3.059	2.593	2.824	2.813	2.764	3.544	1.217	1.345	1.670	2.516	2.322	3.390	2.477	2.948	3.180	2.817	2.251
R/B.R.L.	2.950	0.995	0.985	0.998	1.868	1.153	1.079	1.095	2.660	3.629	3.575	3.608	4.184	4.353	3.963	4.094	3.641	3.485	3.583	1.566	2.362	3.636	3.898	3.889	3.934	1.376	2.756

Long Section for re-excavation of Kadar Khal



BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Kadar khal from km. 0.000 to km. 2.555 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

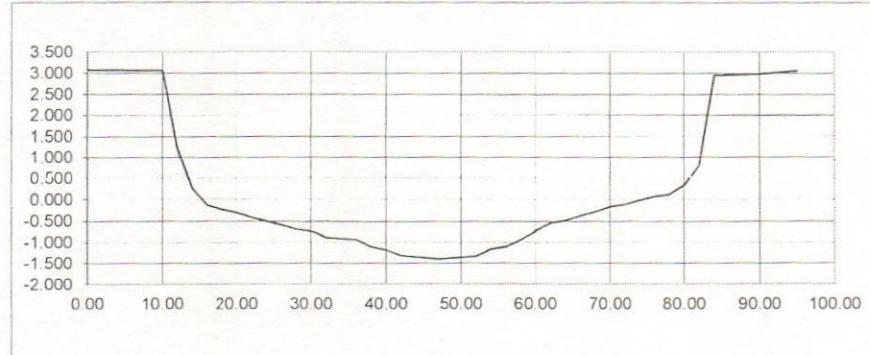
(Md. Sadiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Mohammad Zahir Mzhar) Sub-Divisional Enginner SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Aminul Islam Sohag) Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj

Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

X - Section at km. 0.000

Pre-work

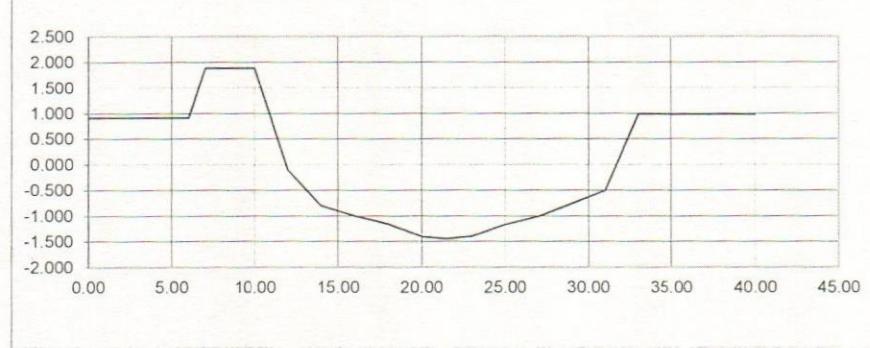
0.00	3.068	Erthen road
5.00	3.065	
10.00	3.060	LB
12.00	1.231	
14.00	0.259	
16.00	-0.134	
18.00	-0.224	
20.00	-0.304	
22.00	-0.414	
24.00	-0.499	
26.00	-0.584	
28.00	-0.679	
30.00	-0.730	
32.00	-0.879	
36.00	-0.930	
38.00	-1.105	
40.00	-1.179	
42.00	-1.320	
47.00	-1.399	CL
52.00	-1.330	
54.00	-1.163	
56.00	-1.107	
58.00	-0.940	
60.00	-0.730	
62.00	-0.539	
64.00	-0.479	
66.00	-0.369	
68.00	-0.279	
70.00	-0.169	
72.00	-0.114	
74.00	-0.024	
76.00	0.070	
78.00	0.121	
80.00	0.331	
82.00	0.800	
84.00	2.950	RB
90.00	2.985	
95.00	3.060	Erthen road



X - Section at km. 0.100

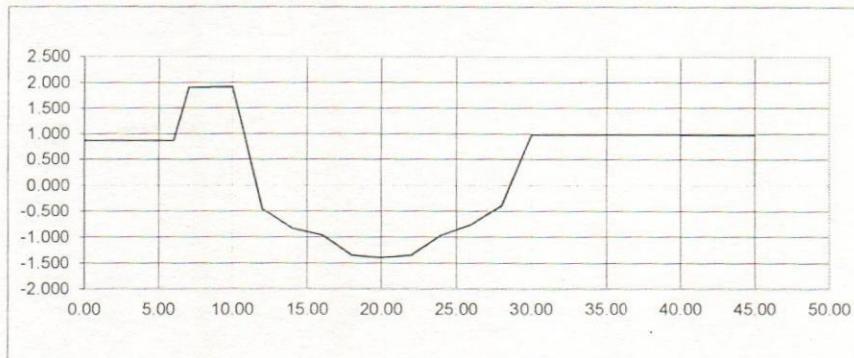
Pre-work

0.00	0.920	Paddy land
6.00	0.915	
7.00	1.890	
10.00	1.895	LB
12.00	-0.105	
14.00	-0.796	
16.00	-0.995	
18.00	-1.156	
20.00	-1.396	
21.50	-1.445	CL
23.00	-1.391	
25.00	-1.165	
27.00	-1.010	
29.00	-0.756	
31.00	-0.500	
33.00	0.995	RB
35.00	0.990	
40.00	0.985	Paddy land



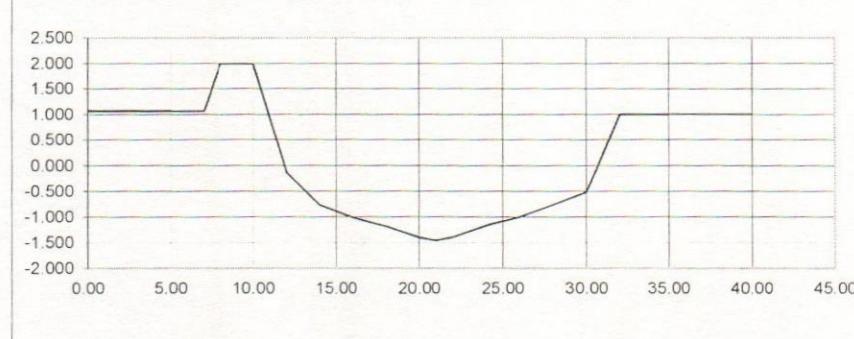
X - Section at km.	0.200
Pre-work	
0.00	0.875 Paddy land
6.00	0.870
7.00	1.907
10.00	1.915 LB
12.00	-0.456
14.00	-0.830
16.00	-0.956
18.00	-1.346
20.00	-1.395 CL
22.00	-1.347
24.00	-0.961
26.00	-0.757
28.00	-0.395
30.00	0.985 RB
40.00	0.980
45.00	0.975 Paddy land

3.57



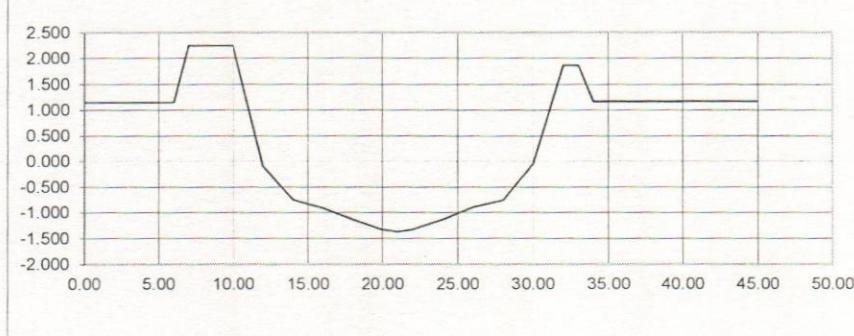
X - Section at km.	0.300
Pre-work	
0.00	1.068 Paddy land
5.00	1.063
7.00	1.058
8.00	1.987
10.00	1.994 LB
12.00	-0.127
14.00	-0.767
16.00	-1.012
18.00	-1.177
20.00	-1.397
21.00	-1.452 CL
22.00	-1.393
24.00	-1.163
26.00	-1.002
28.00	-0.763
30.00	-0.512
32.00	0.998 RB
35.00	1.003
40.00	1.008 Paddy land

4.00



X - Section at km.	0.400
Pre-work	
0.00	1.153 Paddy land
6.00	1.148
7.00	2.248
10.00	2.243 LB
12.00	-0.093
14.00	-0.747
16.00	-0.907
18.00	-1.132
20.00	-1.327
21.00	-1.372 CL
22.00	-1.323
24.00	-1.133
26.00	-0.893
28.00	-0.757
30.00	-0.042
32.00	1.868 RB
33.00	1.863
34.00	1.168
40.00	1.174
45.00	1.178 Paddy land

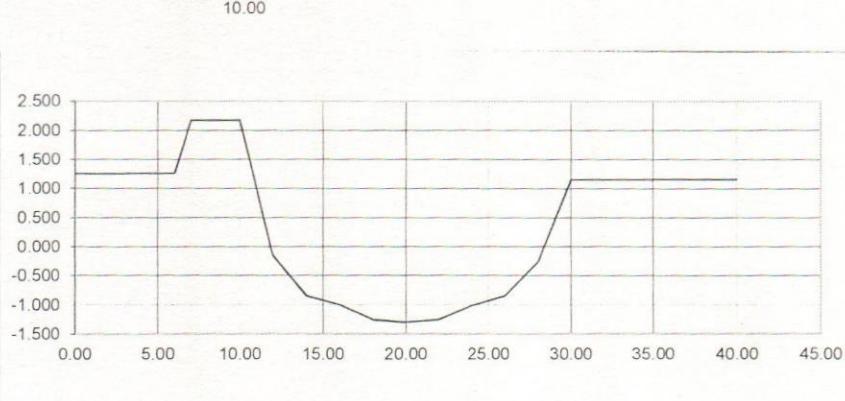
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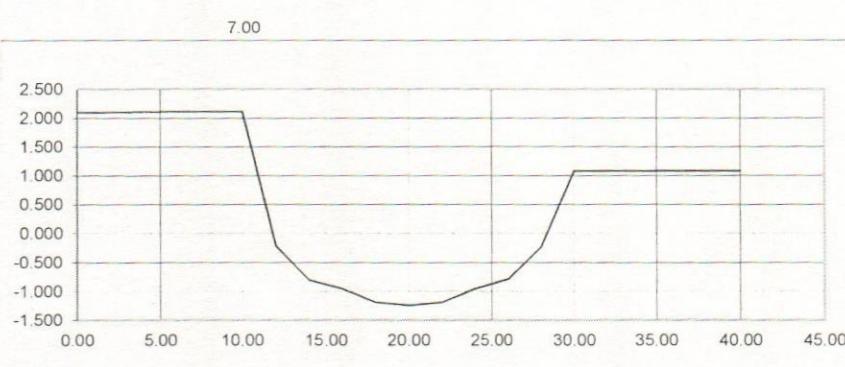
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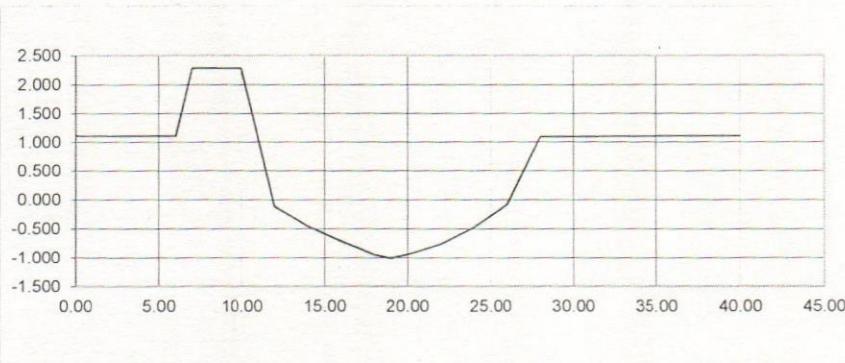
X - Section at km.	0.500
Pre-work	
0.00	1.253 Paddy land
6.00	1.258
7.00	2.173
10.00	2.178 LB
12.00	-0.167
14.00	-0.843
16.00	-0.993
18.00	-1.248
20.00	-1.293 CL
22.00	-1.242
24.00	-1.007
26.00	-0.842
28.00	-0.268
30.00	1.153 RB
35.00	1.158
40.00	1.163 Paddy land



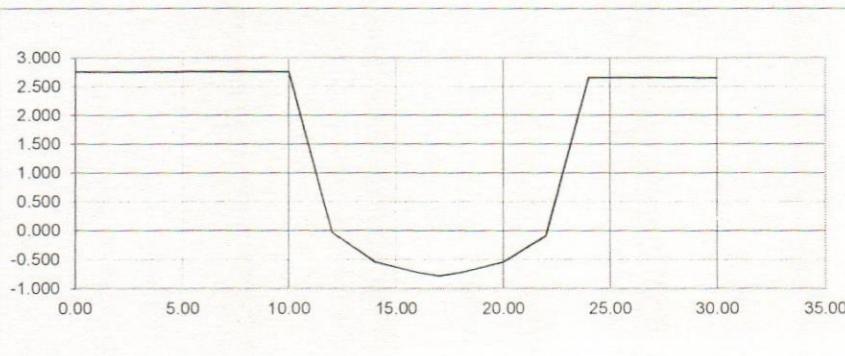
X - Section at km.	0.600
Pre-work	
0.00	2.099 House area
5.00	2.114
10.00	2.119 LB
12.00	-0.206
14.00	-0.801
16.00	-0.952
18.00	-1.192
20.00	-1.241 CL
22.00	-1.193
24.00	-0.953
26.00	-0.785
28.00	-0.231
30.00	1.079 RB
35.00	1.084
40.00	1.089 Paddy land



X - Section at km.	0.700
Pre-work	
0.00	1.111 Paddy land
6.00	1.106
7.00	2.295
10.00	2.286 LB
12.00	-0.115
14.00	-0.454
16.00	-0.715
18.00	-0.946
19.00	-1.004 CL
20.00	-0.945
22.00	-0.764
24.00	-0.469
26.00	-0.084
28.00	1.095 RB
35.00	1.106
40.00	1.111 Paddy land



X - Section at km.	0.800
Pre-work	
0.00	2.752 House area
5.00	2.755
10.00	2.760 LB
12.00	-0.030
14.00	-0.540
16.00	-0.721
17.00	-0.780 CL
18.00	-0.724
20.00	-0.541
22.00	-0.091
24.00	2.660 RB
29.00	2.655 House
30.00	2.650



X - Section at km.	0.900
Pre-work	
0.00	3.559
3.00	3.549
5.00	0.949
7.00	0.198
9.00	-0.006
11.00	-0.202
13.00	-0.402
14.00	-0.451
15.00	-0.403
17.00	-0.251
19.00	-0.011
21.00	0.149
23.00	0.843
25.00	3.629
30.00	3.662
35.00	3.654

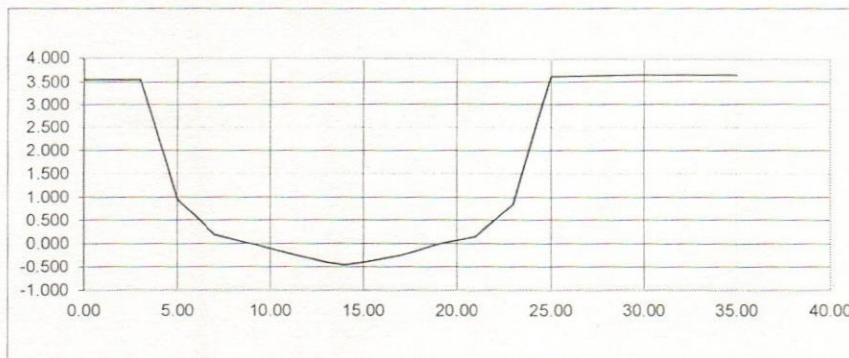
Shop
LB

CL

RB
BC road

House

12.73



X - Section at km.	1.000
Pre-work	
0.00	3.044
5.00	3.054
10.00	3.059
12.00	0.869
14.00	0.159
16.00	-0.241
18.00	-0.442
20.00	-0.589
23.00	-0.641
26.00	-0.582
29.00	-0.441
32.00	0.053
34.00	1.308
36.00	3.575
41.00	3.579
42.00	3.571

House area

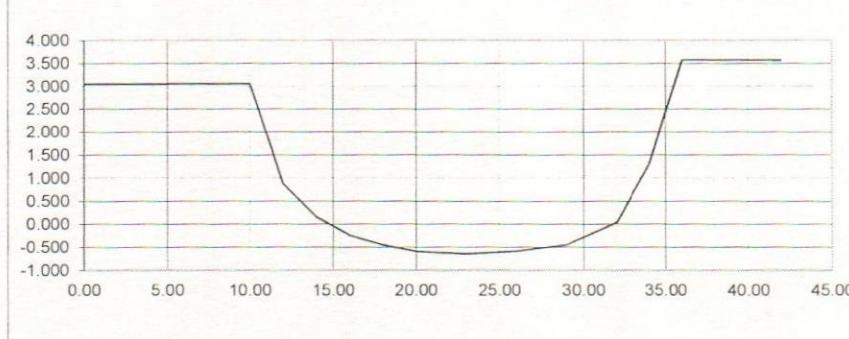
LB

CL

RB
BC road

House

3.00



X - Section at km.	
Pre-work	
0.00	2.573
5.00	2.578
10.00	2.593
12.00	0.593
14.00	0.293
16.00	0.131
18.00	-0.062
20.00	-0.237
22.00	-0.417
24.00	-0.607
26.00	-0.657
28.00	-0.608
30.00	-0.423
32.00	-0.238
34.00	-0.063
36.00	0.132
40.00	1.493
42.00	3.608
46.00	3.608
47.00	3.613

House area

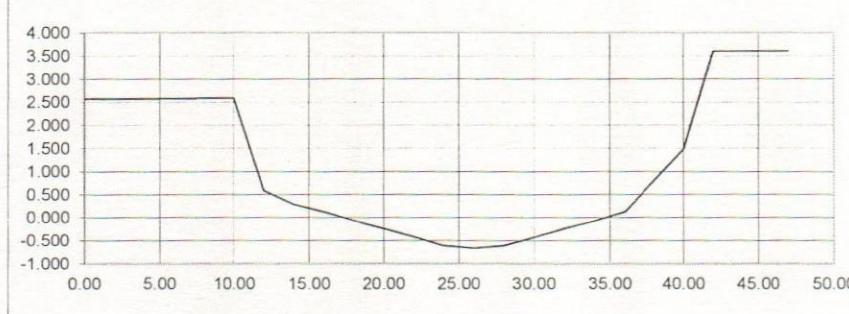
LB

CL

RB
Bc Road

House

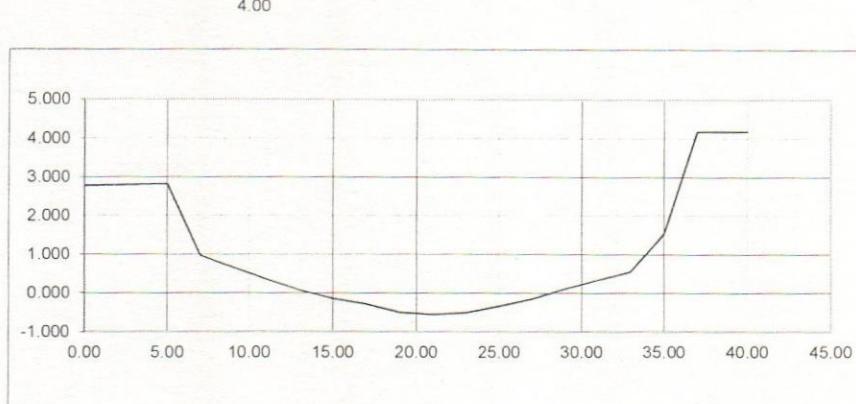
4.00



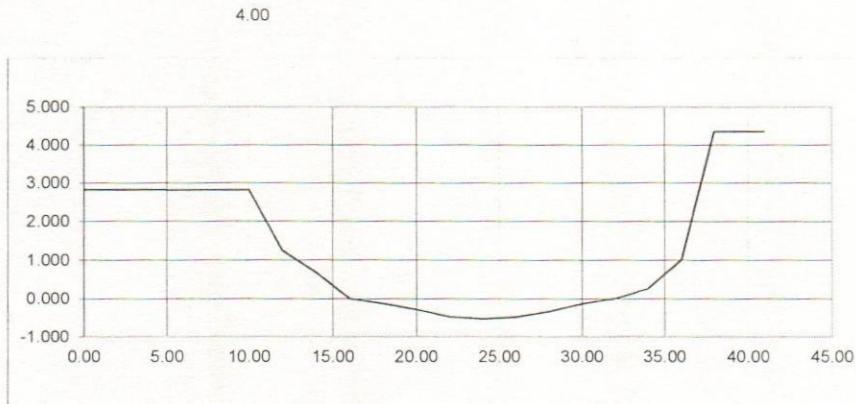
(W)

(S)

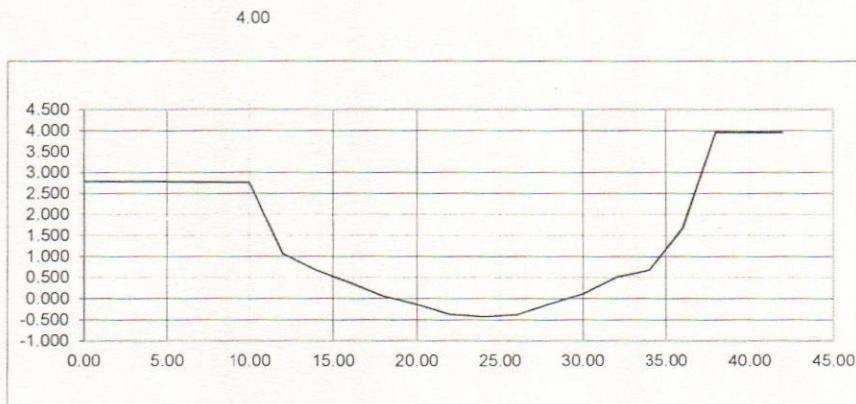
X - Section at km.	1.200
Pre-work	
0.00	2.774
5.00	2.824
7.00	0.964
9.00	0.664
11.00	0.364
13.00	0.074
15.00	-0.141
17.00	-0.284
19.00	-0.487
21.00	-0.546
23.00	-0.492
25.00	-0.336
27.00	-0.146
29.00	0.113
31.00	0.339
33.00	0.556
35.00	1.539
37.00	4.184
40.00	4.191
Bc Road	



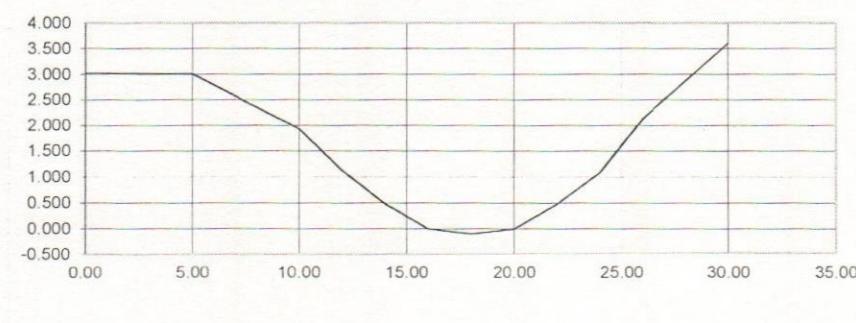
X - Section at km.	1.300
Pre-work	
0.00	2.829
5.00	2.819
10.00	2.813
12.00	1.244
14.00	0.674
16.00	0.004
18.00	-0.126
20.00	-0.287
22.00	-0.477
24.00	-0.526
26.00	-0.478
28.00	-0.336
30.00	-0.141
32.00	0.013
34.00	0.269
36.00	1.013
38.00	4.353
41.00	4.364
Bc road	



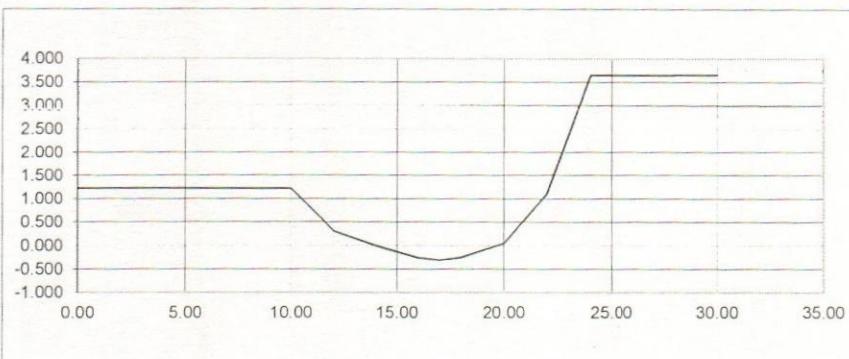
X - Section at km.	1.400
Pre-work	
0.00	2.789
5.00	2.780
10.00	2.764
12.00	1.059
14.00	0.674
16.00	0.374
18.00	0.064
20.00	-0.131
22.00	-0.366
24.00	-0.426
26.00	-0.377
28.00	-0.116
30.00	0.113
32.00	0.513
34.00	0.674
36.00	1.674
38.00	3.963
42.00	3.959
Bc Road	



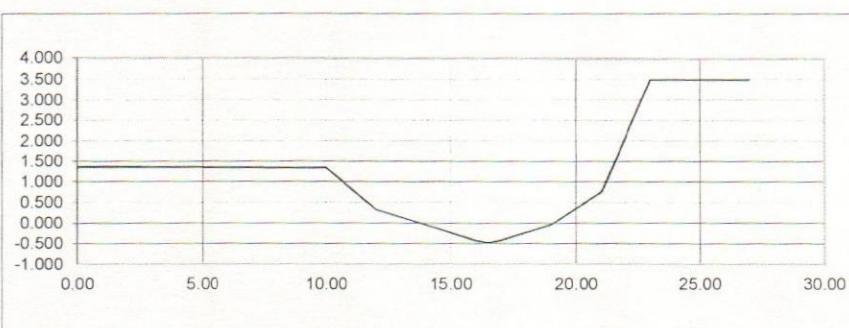
X - Section at km.	1.500
Pre-work	
0.00	3.026
5.00	3.012
10.00	1.933
12.00	1.128
14.00	0.481
16.00	0.003
18.00	-0.099
20.00	0.002
22.00	0.474
24.00	1.082
26.00	2.131
30.00	3.607
Bc Road	



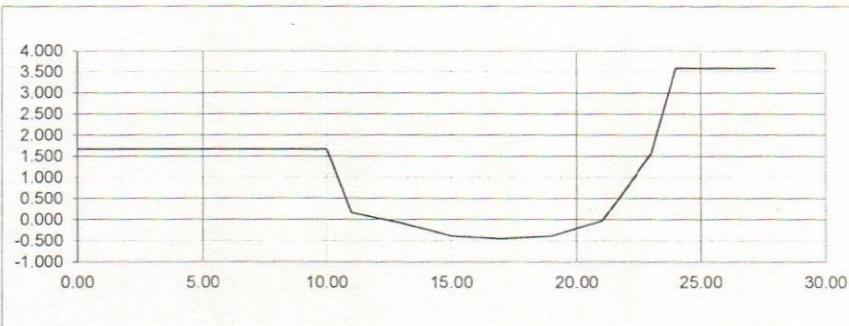
X - Section at km.	1.600
Pre-work	
0.00	1.232
5.00	1.227
10.00	1.217
12.00	0.317
14.00	0.007
16.00	-0.253
17.00	-0.303
18.00	-0.251
20.00	0.056
22.00	1.102
24.00	3.641
28.00	3.652
30.00	3.647
Paddy land	
LB	
CL	
RB	
Bc Road	
House	



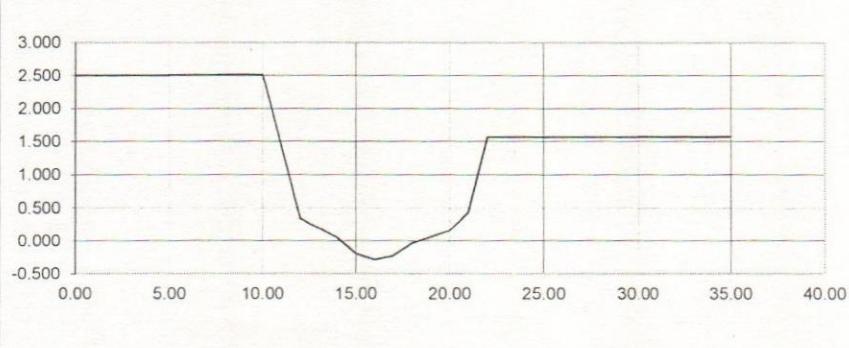
X - Section at km.	1.700
Pre-work	
0.00	1.370
5.00	1.355
10.00	1.345
12.00	0.340
14.00	-0.035
16.00	-0.423
16.50	-0.475
17.00	-0.419
19.00	-0.041
21.00	0.760
23.00	3.485
27.00	3.494
Garden	
LB	
CL	
RB	
Bc road	



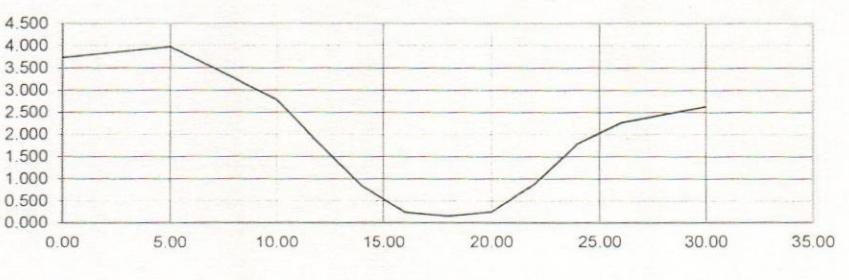
X - Section at km.	1.800
Pre-work	
0.00	1.680
5.00	1.675
10.00	1.670
11.00	0.165
13.00	-0.081
15.00	-0.381
17.00	-0.447
19.00	-0.382
21.00	-0.030
23.00	1.565
24.00	3.582
28.00	3.580
Open land	
LB	
CL	
RB	
Bc road	



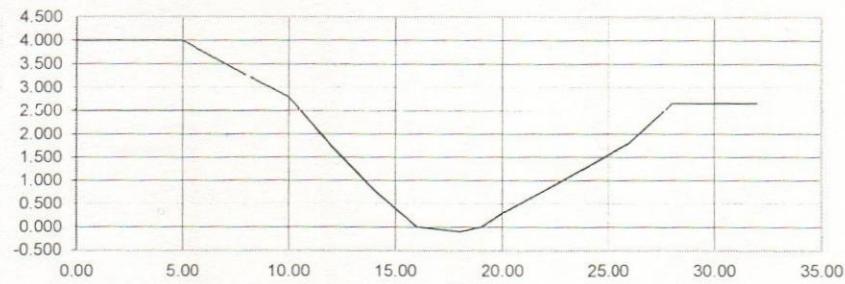
X - Section at km.	1.900
Pre-work	
0.00	2.506
5.00	2.511
10.00	2.516
12.00	0.351
14.00	0.051
15.00	-0.195
16.00	-0.284
17.00	-0.225
18.00	-0.035
20.00	0.156
21.00	0.451
22.00	1.566
30.00	1.571
35.00	1.576
House area	
LB	
CL	
RB	
Garden	



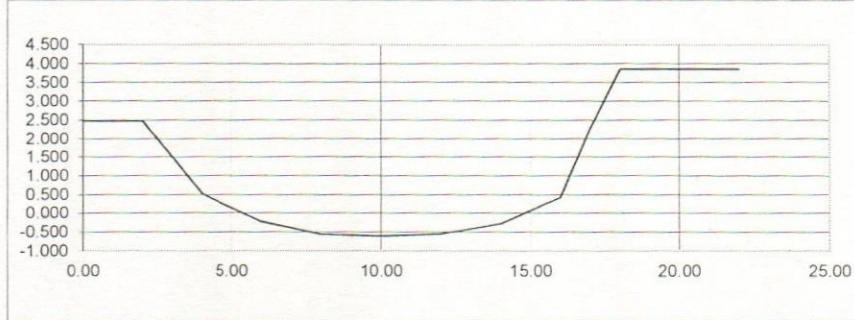
X - Section at km.	2.000
Pre-work	
0.00	3.732
5.00	3.975
10.00	2.788
12.00	1.772
14.00	0.833
16.00	0.254
18.00	0.153
20.00	0.256
22.00	0.878
24.00	1.789
26.00	2.266
30.00	2.632
Garden	
LB	
CL	
RB	
House	



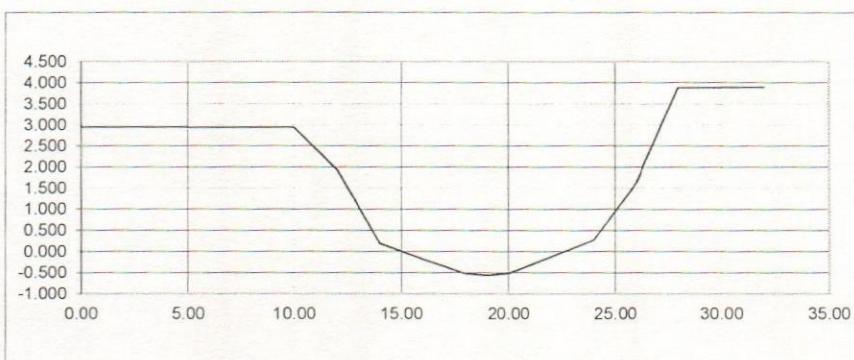
X - Section at km.	2.100
Pre-work	
0.00	4.004
5.00	3.999
10.00	2.798
12.00	1.749
14.00	0.794
16.00	0.001
18.00	-0.100
19.00	0.002
20.00	0.298
22.00	0.784
26.00	1.801
28.00	2.662
32.00	2.669
House area	
LB	
CL	
RB	
Bc road	



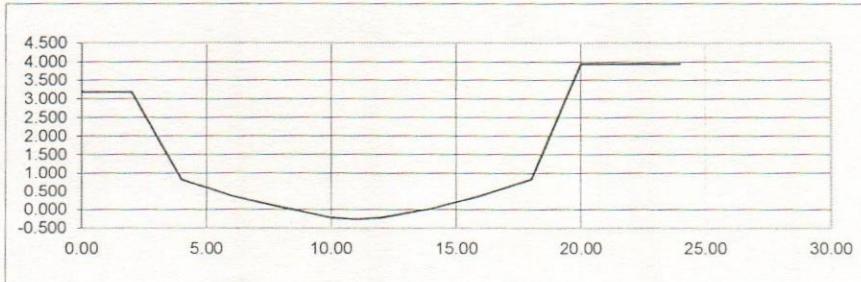
X - Section at km.	2.200
Pre-work	
0.00	2.483
2.00	2.477
4.00	0.520
6.00	-0.223
8.00	-0.557
10.00	-0.612
12.00	-0.553
14.00	-0.277
16.00	0.425
17.00	2.293
18.00	3.848
22.00	3.854
House	
LB	
CL	
RB	
Bc road	



X - Section at km.	2.300
Pre-work	
0.00	2.958
5.00	2.953
10.00	2.948
12.00	1.938
14.00	0.203
16.00	-0.177
18.00	-0.523
19.00	-0.562
20.00	-0.520
22.00	-0.123
24.00	0.276
26.00	1.623
28.00	3.889
32.00	3.903
House area	
LB	
CL	
RB	
Bc road	



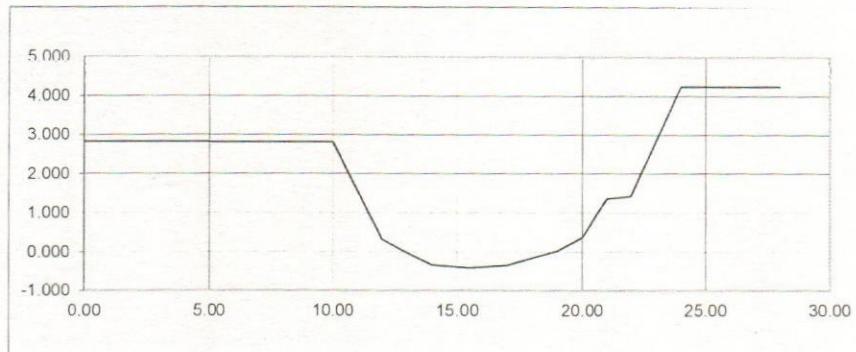
X - Section at km.	2.400
Pre-work	
0.00	3.185
2.00	3.180
4.00	0.835
6.00	0.379
8.00	0.079
10.00	-0.214
11.00	-0.260
12.00	-0.212
14.00	0.025
16.00	0.378
18.00	0.830
20.00	3.934
24.00	3.940
House	
LB	
CL	
RB	
Shop	



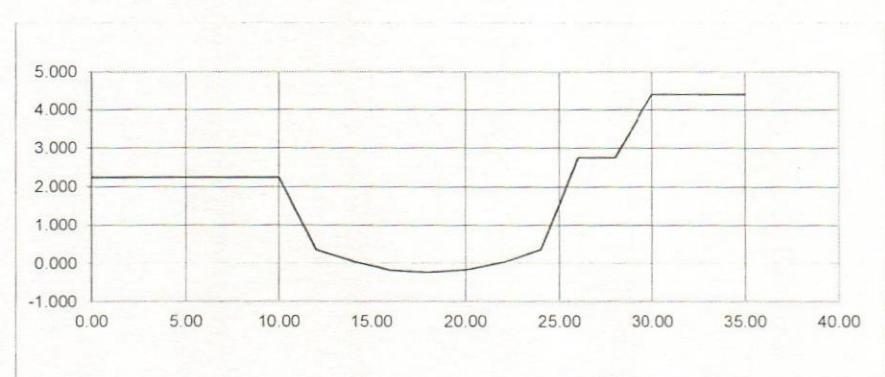
(W)

(S)

X - Section at km.		
	Pre-work	2.500
0.00	2.832	Garden
5.00	2.822	
10.00	2.817	LB
12.00	0.327	
13.00	-0.019	
14.00	-0.333	
15.50	-0.408	CL
17.00	-0.343	
19.00	0.032	
20.00	0.377	
21.00	1.376	RB
22.00	1.436	
24.00	4.242	
26.00	4.247	Bc road
27.00	4.240	
28.00	4.240	



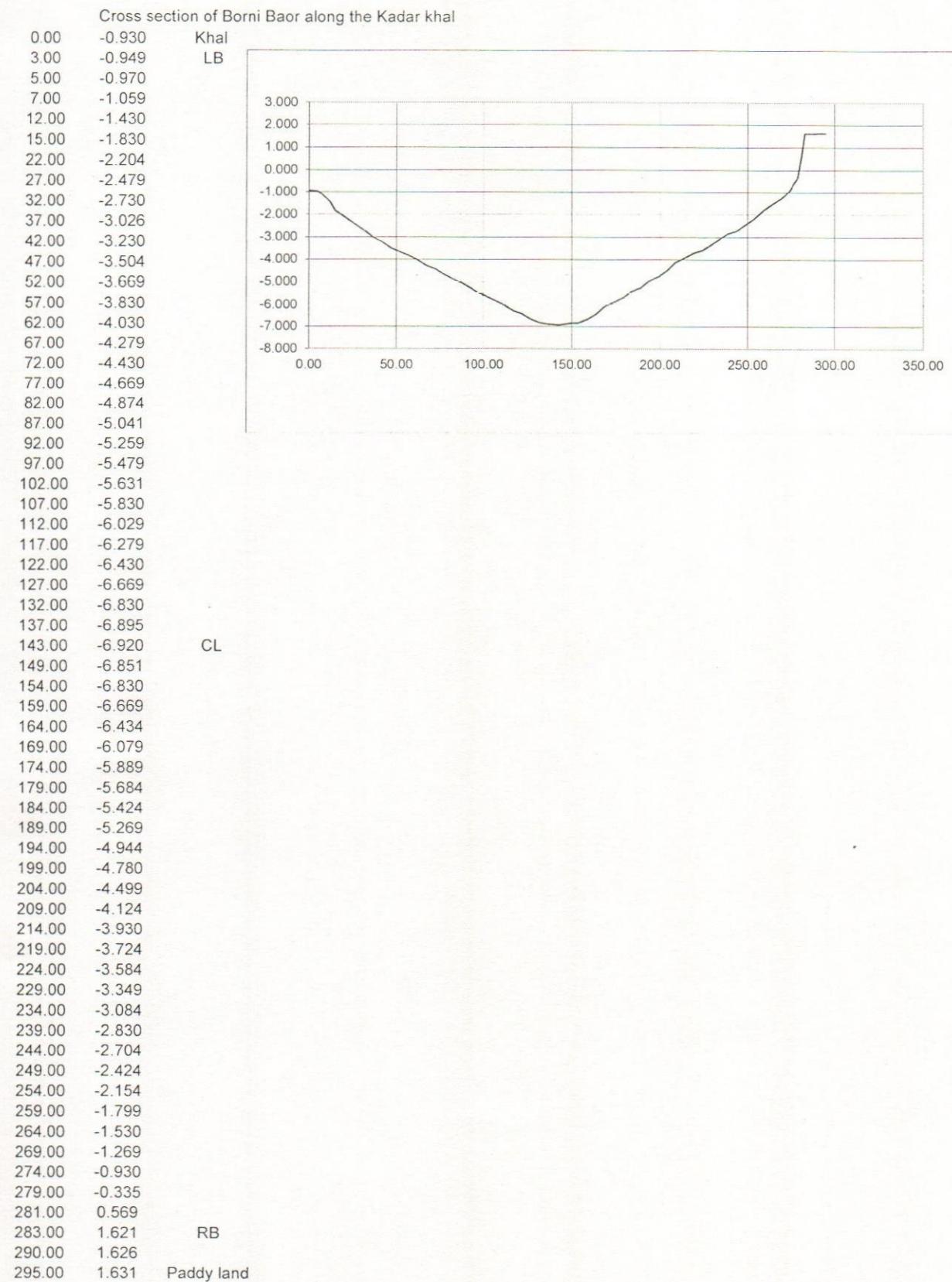
X - Section at km.		
	Pre-work	2.555
0.00	2.242	Garden
5.00	2.247	
10.00	2.251	LB
12.00	0.356	
14.00	0.056	
16.00	-0.177	
18.00	-0.233	CL
20.00	-0.173	
22.00	0.017	
24.00	0.355	
26.00	2.756	RB
28.00	2.766	
30.00	4.407	
35.00	4.399	Bc road



(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division



Cross section of Borni Baor 50 US from meeting point of Kadar khal

0.00 3.050 Earthen road

3.00 3.060 LB

5.00 0.959

7.00 0.630

11.00 -0.160

15.00 -0.669

19.00 -0.830

23.00 -1.105

27.00 -1.279

31.00 -1.464

35.00 -1.679

39.00 -1.830

43.00 -2.049

47.00 -2.244

51.00 -2.430

55.00 -2.669

59.00 -2.899

63.00 -3.024

67.00 -3.244

71.00 -3.431

75.00 -3.631

79.00 -3.905

83.00 -4.074

87.00 -4.284

91.00 -4.430

95.00 -4.669

99.00 -4.830

103.00 -5.099

107.00 -5.369

111.00 -5.530

115.00 -5.779

119.00 -5.969

123.00 -6.181

127.00 -6.330

131.00 -6.579

135.00 -6.801

139.00 -6.899

CL

143.00 -6.809

147.00 -6.730

151.00 -6.630

155.00 -6.469

159.00 -6.180

163.00 -5.924

167.00 -5.769

171.00 -5.284

175.00 -5.134

179.00 -4.969

183.00 -4.730

187.00 -4.579

191.00 -4.383

195.00 -4.204

199.00 -4.030

203.00 -3.931

207.00 -3.730

211.00 -3.784

215.00 -3.369

219.00 -3.230

223.00 -3.104

227.00 -2.924

231.00 -2.730

235.00 -2.599

239.00 -2.354

243.00 -2.241

247.00 -2.104

251.00 -1.830

255.00 -1.630

259.00 -1.330

263.00 -1.269

267.00 -1.030

271.00 -0.830

275.00 -0.799

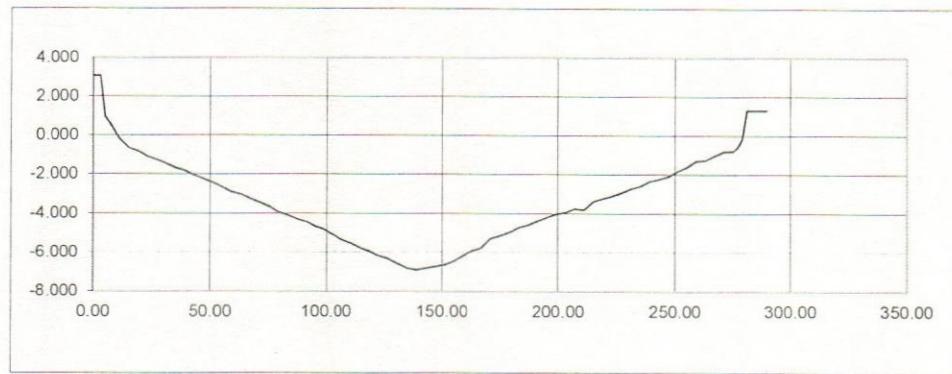
277.00 -0.584

279.00 -0.137

281.00 1.291

285.00 1.293

290.00 1.301



RB

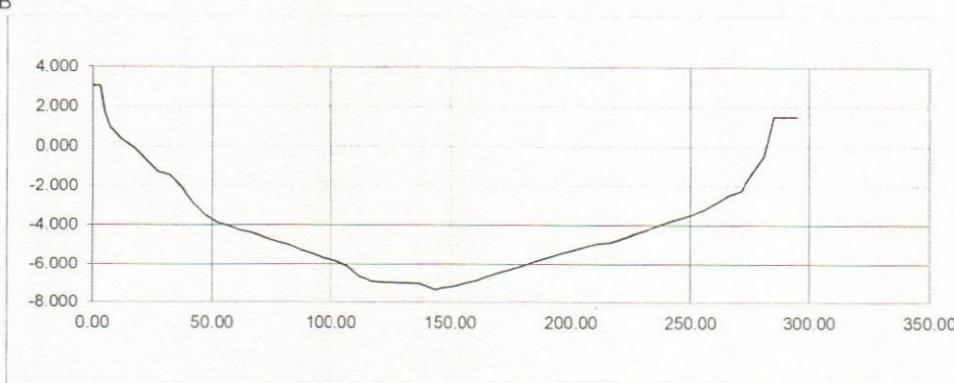
Garden

(C)

SJ

Cross section of Borni Baor 50 DS from meeting point of Kadar khal

0.00	3.056	Earthen road
3.00	3.051	LB
5.00	1.721	
7.00	0.966	
12.00	0.331	
17.00	-0.069	
22.00	-0.669	
27.00	-1.269	
32.00	-1.430	
37.00	-2.069	
42.00	-2.869	
47.00	-3.479	
52.00	-3.880	
57.00	-4.069	
62.00	-4.284	
67.00	-4.430	
72.00	-4.669	
77.00	-4.830	
82.00	-5.004	
87.00	-5.269	
92.00	-5.430	
97.00	-5.669	
102.00	-5.830	
107.00	-6.099	
112.00	-6.630	
117.00	-6.903	
122.00	-6.974	
127.00	-6.984	
132.00	-7.009	
137.00	-7.044	
142.00	-7.279	
144.00	-7.351	CL
146.00	-7.281	
151.00	-7.199	
156.00	-7.024	
161.00	-6.884	
166.00	-6.630	
171.00	-6.431	
176.00	-6.244	
181.00	-6.030	
186.00	-5.831	
191.00	-5.631	
196.00	-5.430	
201.00	-5.279	
206.00	-5.099	
211.00	-4.930	
216.00	-4.879	
221.00	-4.699	
226.00	-4.469	
231.00	-4.284	
236.00	-4.030	
241.00	-3.831	
246.00	-3.644	
251.00	-3.430	
256.00	-3.174	
261.00	-2.830	
266.00	-2.431	
271.00	-2.244	
276.00	-1.325	
281.00	-0.430	
283.00	0.484	
285.00	1.521	RB
290.00	1.526	
295.00	1.531	Open land



(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

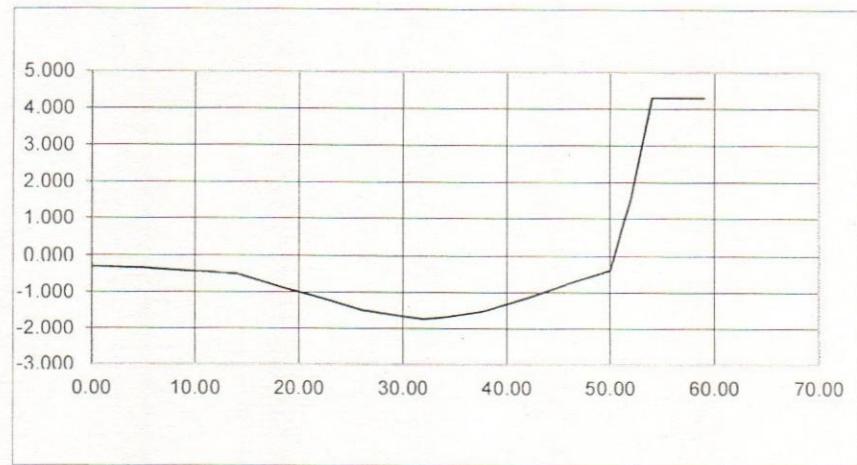
(Aminul Islam Sohag)
Sub-Assstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of Offtake khal (**Pachuria khal**) for Re-excavation of Kadar khal from km. 0.000 to km. 2.555 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Pachuria khal along the Char Kadar khal

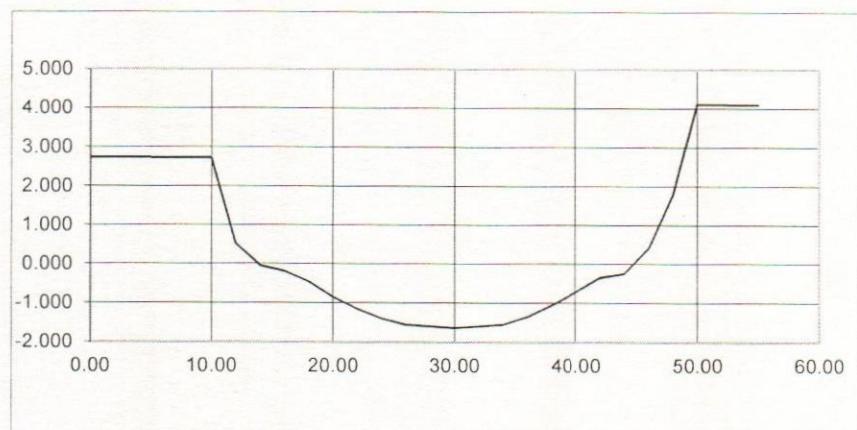
Pre-work

0.00	-0.283	Khal bed
5.00	-0.334	
10.00	-0.421	LB
12.00	-0.448	
14.00	-0.493	
18.00	-0.844	
22.00	-1.144	
26.00	-1.483	
30.00	-1.659	
32.00	-1.733	CL
34.00	-1.678	
38.00	-1.498	
42.00	-1.145	
46.00	-0.744	
50.00	-0.384	
52.00	1.551	
54.00	4.317	RB
59.00	4.302	Bc road



Cross section of Pachuria khal 50 US from meeting point of Kadar khal

0.00	2.732	House area
5.00	2.727	
10.00	2.717	LB
12.00	0.517	
14.00	-0.044	
16.00	-0.183	
18.00	-0.449	
20.00	-0.844	
22.00	-1.144	
24.00	-1.398	
26.00	-1.548	
30.00	-1.633	CL
34.00	-1.544	
36.00	-1.344	
38.00	-1.044	
40.00	-0.718	
42.00	-0.344	
44.00	-0.244	
46.00	0.417	
48.00	1.807	
50.00	4.107	RB
55.00	4.092	BC Road



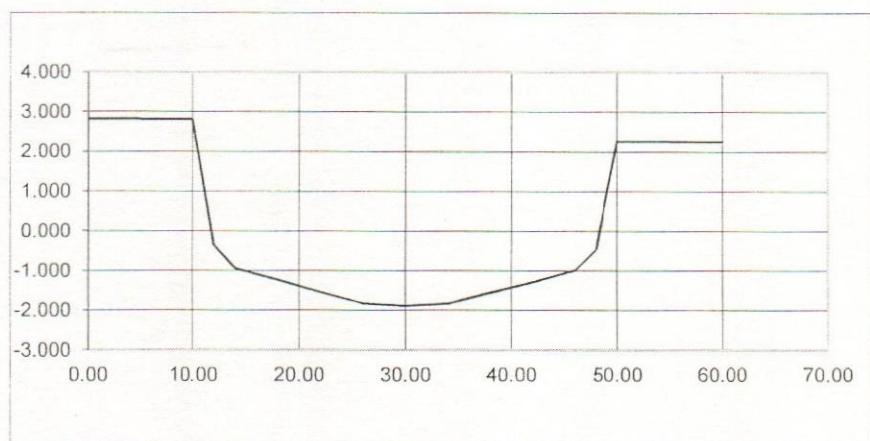
(N)

EA

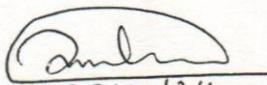
Cross section of Pachuria khal 50 DS from meeting point of Kadar khal

Pre-work

0.00	2.817	House area
5.00	2.812	
10.00	2.807	LB
12.00	-0.345	
14.00	-0.944	
18.00	-1.233	
22.00	-1.544	
26.00	-1.824	
30.00	-1.883	CL
34.00	-1.823	
38.00	-1.558	
42.00	-1.288	
46.00	-0.983	
48.00	-0.448	
50.00	2.267	RB
55.00	2.257	
60.00	2.252	Garden



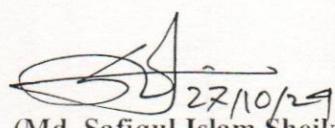

 (Md. Safiqul Islam Sheikh)
 Executive Engineer
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 Specialized Division

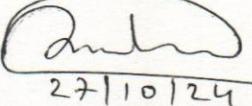

 (Mohammad Zahir Mazhar)
 Sub-Divisional Engineer
 SMO, IDWRM-KT
 Specialized Division


 (Aminul Islam Sohag)
 Sub-Asstt. Engineer
 SMO, IDWRM-KT
 Specialized Division

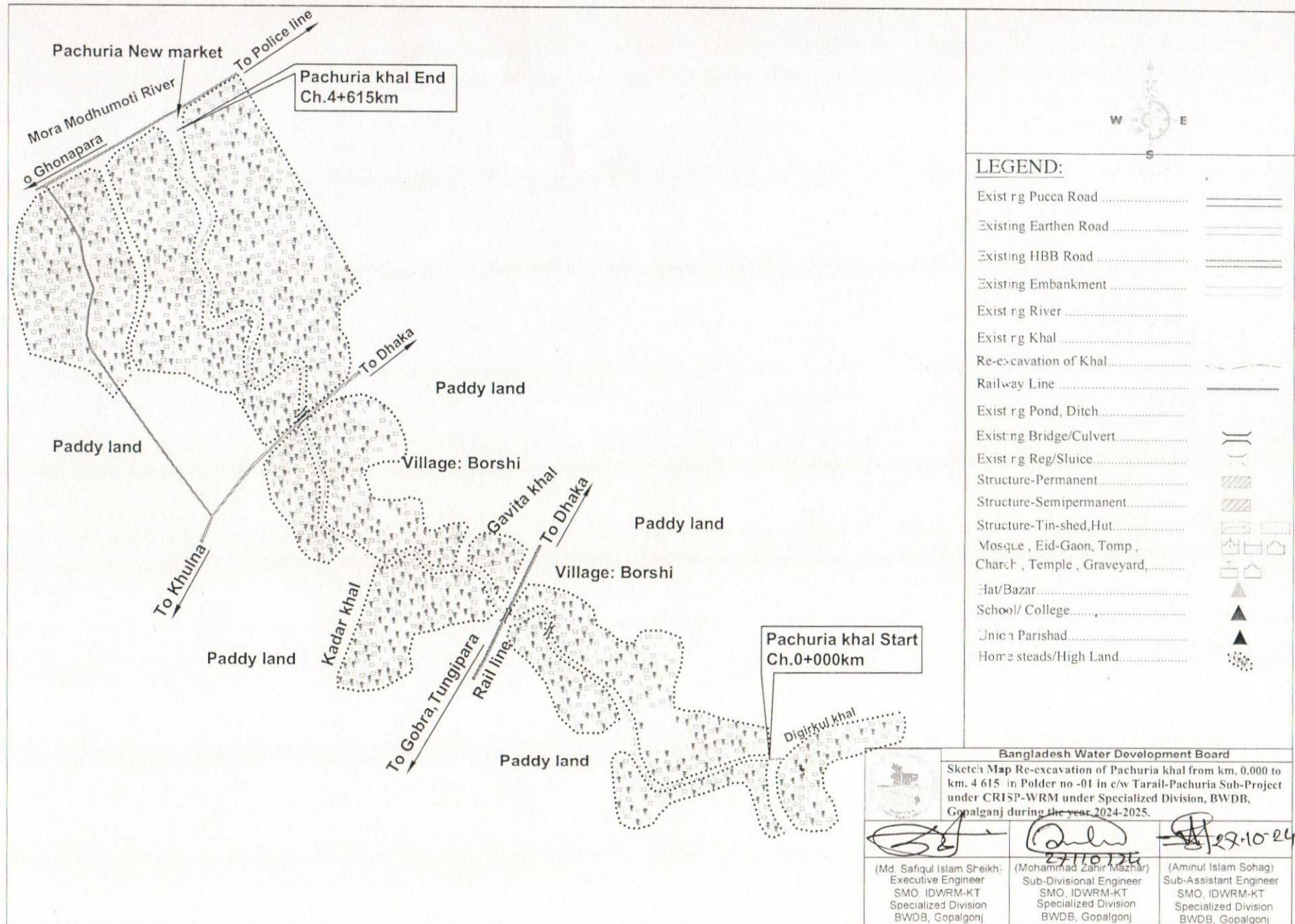
Data Checklist for the Re-excavation of Pachuria khal

1.	Name of the proposed Khal	:	Pachuria khal
2.	Catchments Area	:	450.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 1.87 m (PWD)
4.	Avg. Ground level of the area	:	1.80 m (PWD)
5.	Length of the Khal	:	4.650 km
6.	Bed level of the outfall Khal/River	:	(-) 1.72m (PWD) (Digharkul khal)
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	From km 0.00 to 0.900m 13.00m & From km 0.900 to 4.650m 15.00m
10.	The proposed bed level of the Khal	:	(-) 3.00 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	28.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.


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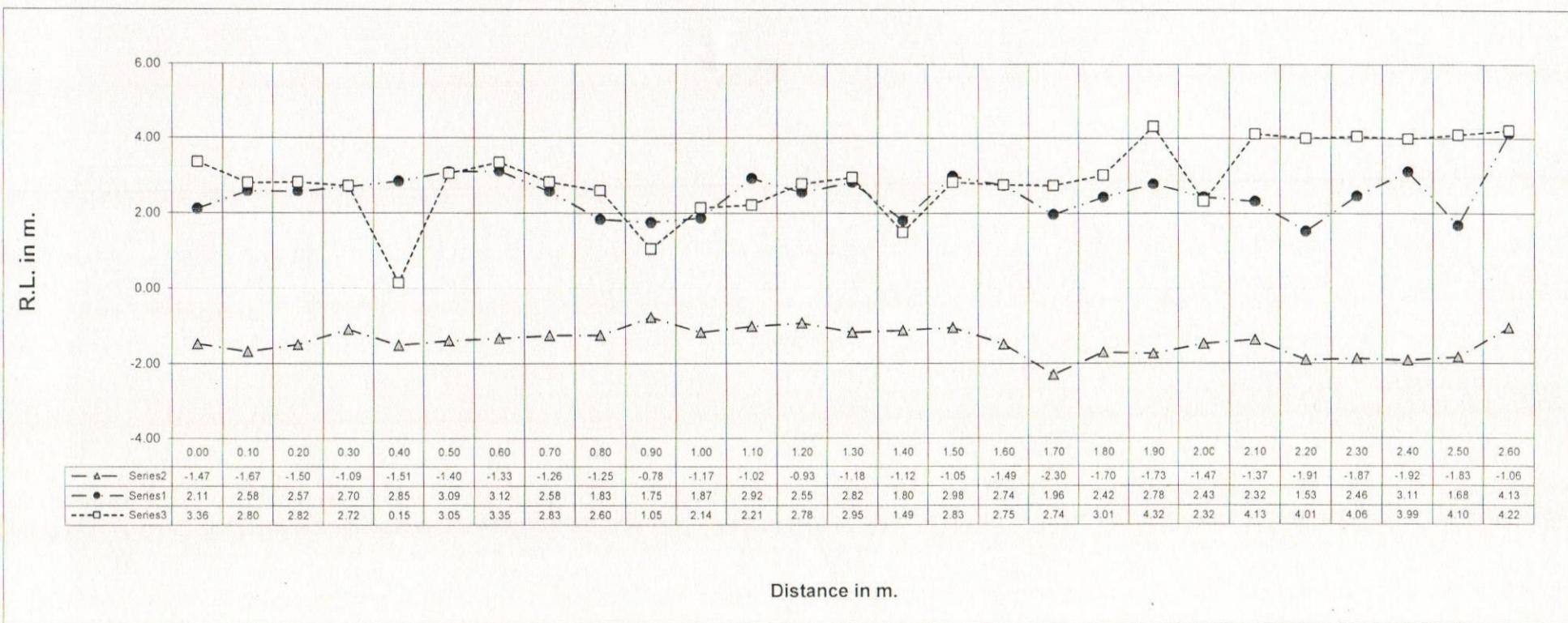

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Ch. Long Section of Pachuria Khal

Dist/Ch(m)	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
C/L R.L.	-1.47	-1.67	-1.50	-1.09	-1.51	-1.40	-1.33	-1.26	-1.25	-0.78	-1.17	-1.02	-0.93	-1.18	-1.12	-1.05	-1.49	-2.30	-1.70	-1.73	-1.47	-1.37	-1.91	-1.87	-1.92	-1.83	-1.06
L/B.R.L.	2.11	2.58	2.57	2.70	2.85	3.09	3.12	2.58	1.83	1.75	1.87	2.92	2.55	2.82	1.80	2.98	2.74	1.96	2.42	2.78	2.43	2.32	1.53	2.46	3.11	1.68	4.13
R/B.R.L.	3.36	2.80	2.82	2.72	0.15	3.05	3.35	2.83	2.60	1.05	2.14	2.21	2.78	2.95	1.49	2.83	2.75	2.74	3.01	4.32	2.32	4.13	4.01	4.06	3.99	4.10	4.22

Long Section for re-excavation of Pachuria Khal



BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Pachuria khal from km. 0.000 to km. 4.615 in Polder no - 01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

(Md. Sufiqul Islam Sheikh)
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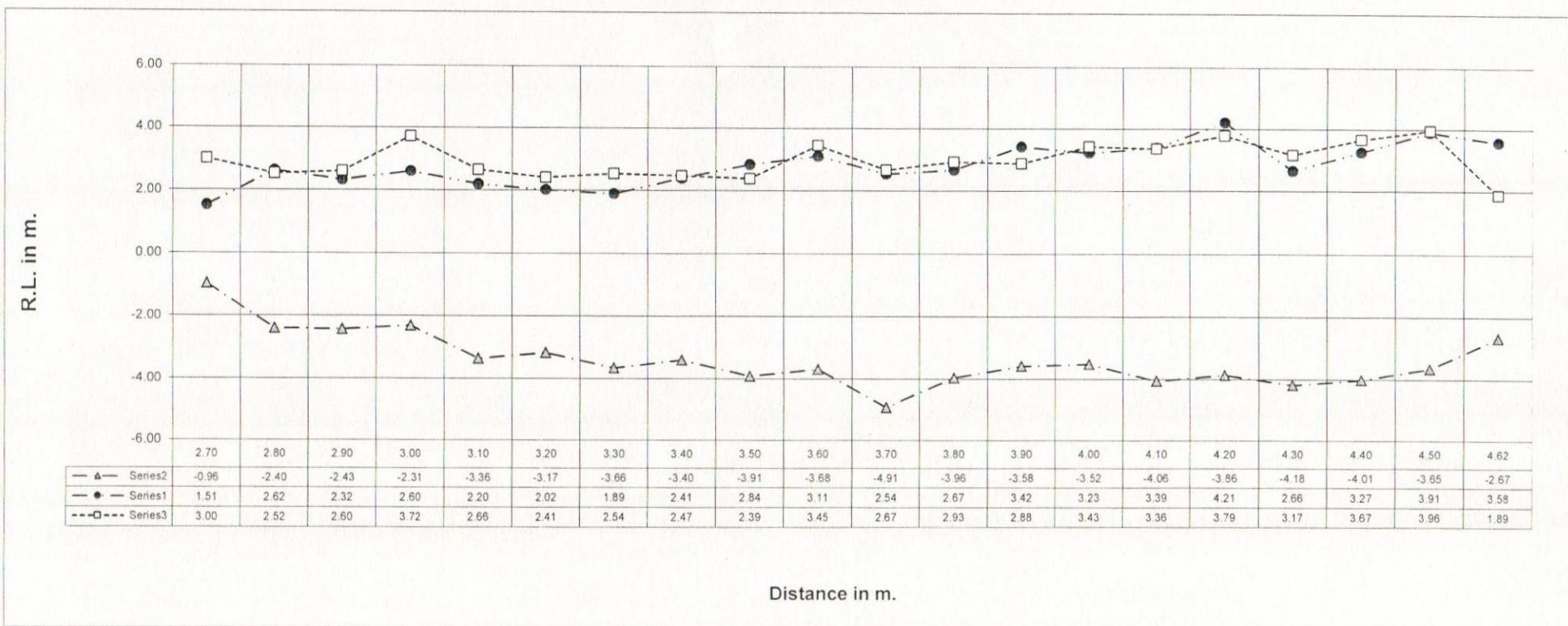
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(Aminul Islam Sohag)
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BWDB, Gopalganj

Ch. Long Section of Pachuria Khal

Dst/Ch(m)	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.62
C/L.R.L.	-0.96	-2.40	-2.43	-2.31	-3.36	-3.17	-3.66	-3.40	-3.91	-3.68	-4.91	-3.96	-3.58	-3.52	-4.06	-3.86	-4.18	-4.01	-3.65	-2.67
J/B.R.L.	1.51	2.62	2.32	2.60	2.20	2.02	1.89	2.41	2.84	3.11	2.54	2.67	3.42	3.23	3.39	4.21	2.66	3.27	3.91	3.58
R/B.R.L.	3.00	2.52	2.60	3.72	2.66	2.41	2.54	2.47	2.39	3.45	2.67	2.93	2.88	3.43	3.36	3.79	3.17	3.67	3.96	1.89

Long Section for re-excavation of Pachuria Khal



BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Pachuria khal from km. 0.000 to km. 4.615 in Polder no - 01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

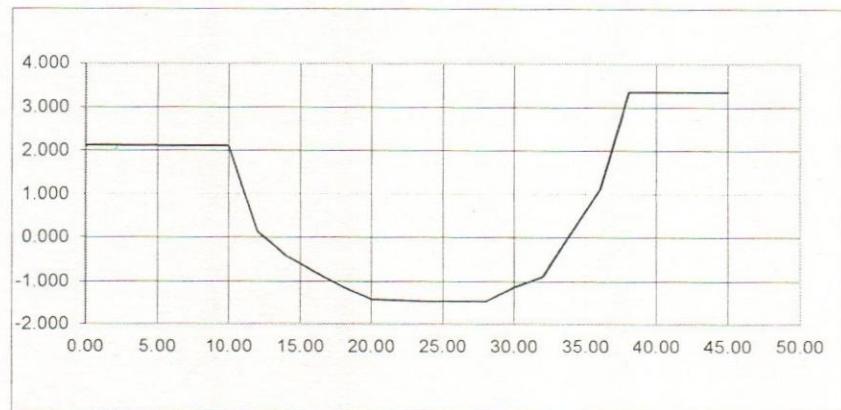
(Md. Safiqul Islam Sheikh)
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(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
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Specialized Division
BWDB, Gopalganj

(Aminul Islam Schag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

Cross Section for Re-excavation of Pachuria khal from km. 0.000 to km. 4.615 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

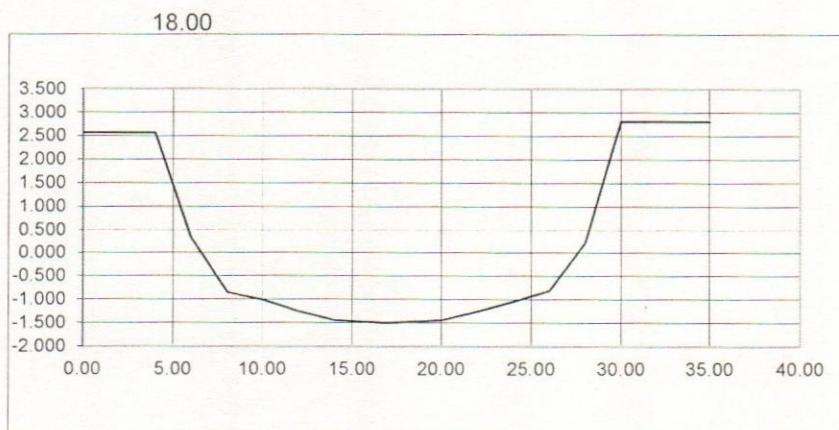
X - Section at km.	0.000
Pre-work	
0.00	2.125 House area
5.00	2.115
10.00	2.110 LB
12.00	0.125
14.00	-0.420
16.00	-0.781
18.00	-1.135
20.00	-1.416
24.00	-1.470 CL
28.00	-1.470
30.00	-1.135 RB
32.00	-0.881 Shop
34.00	0.126
36.00	1.115
38.00	3.355
45.00	3.360



X - Section at km.	0.100
Pre-work	
0.00	2.586 Bc road
5.00	2.582 LB
7.00	0.112
9.00	-0.863
11.00	-1.124
13.00	-1.473
15.00	-1.624
18.00	-1.673 CL
21.00	-1.625
23.00	-1.474
25.00	-1.124 RB
27.00	-0.823 Bc road
29.00	0.125
31.00	2.807
35.00	2.802 Bc road



X - Section at km.	0.200
Pre-work	
0.00	2.575 House
4.00	2.571 LB
6.00	0.321
8.00	-0.845
10.00	-1.006
12.00	-1.245
14.00	-1.436
17.00	-1.495 CL
20.00	-1.437
22.00	-1.255
24.00	-1.039
26.00	-0.806
28.00	0.220
30.00	2.820 RB
35.00	2.815 Bc road



(an)

SS

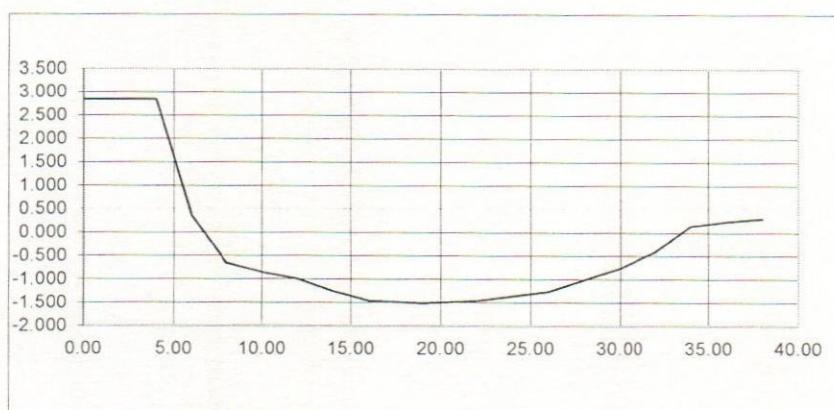
X - Section at km.	0.300
Pre-work	
0.00	2.693
4.00	2.698
6.00	0.214
8.00	-0.203
10.00	-0.403
12.00	-0.642
14.00	-0.803
16.00	-1.036
19.00	-1.092
22.00	-1.033
24.00	-0.852
26.00	-0.643
28.00	0.280
30.00	2.722
34.00	2.718
40.00	2.693

18.00

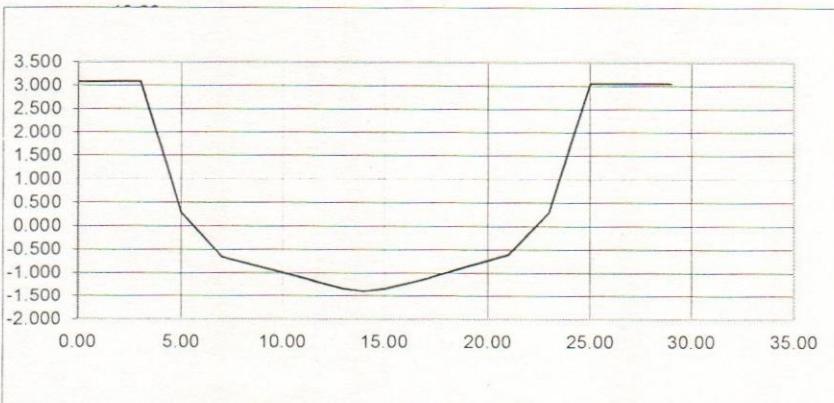


X - Section at km.	0.400
Pre-work	
0.00	2.852
4.00	2.846
6.00	0.356
8.00	-0.654
10.00	-0.844
12.00	-0.993
14.00	-1.254
16.00	-1.455
19.00	-1.513
22.00	-1.454
26.00	-1.263
28.00	-1.008
30.00	-0.754
32.00	-0.403
34.00	0.146
36.00	0.242
38.00	0.307

18.00



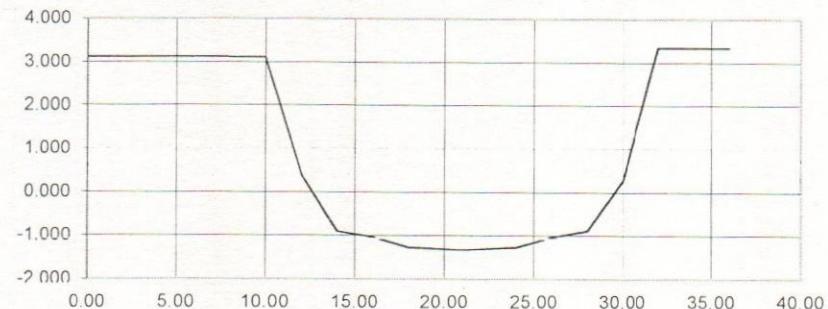
X - Section at km.	0.500
Pre-work	
0.00	3.085
3.00	3.094
5.00	0.285
7.00	-0.655
9.00	-0.880
11.00	-1.106
13.00	-1.335
14.00	-1.395
15.00	-1.339
17.00	-1.120
19.00	-0.855
21.00	-0.606
23.00	0.305
25.00	3.054
29.00	3.050

RB
Bc roadWS

X - Section at km. 0.600

Pre-work

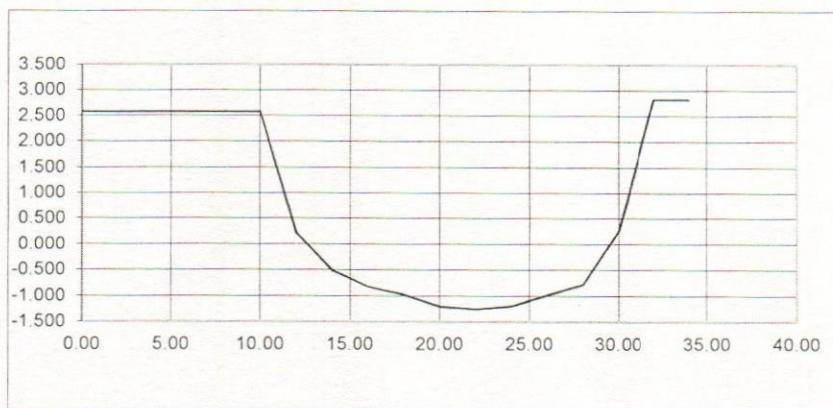
0.00	3.120	House area
6.00	3.125	Bc road
10.00	3.115	LB
12.00	0.390	
14.00	-0.910	
16.00	-1.036	
18.00	-1.270	
21.00	-1.330	CL
24.00	-1.269	
26.00	-1.037	
28.00	-0.890	
30.00	0.285	
32.00	3.345	RB
36.00	3.340	Bc road



X - Section at km. 0.700

Pre-work

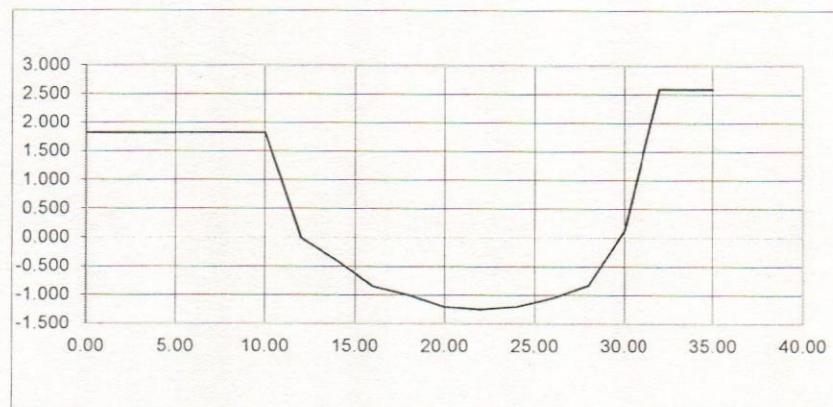
0.00	2.575	Open land
5.00	2.580	Bc road
10.00	2.575	LB
12.00	0.222	
14.00	-0.510	
16.00	-0.820	
18.00	-0.971	
20.00	-1.203	
22.00	-1.260	CL
24.00	-1.201	
26.00	-0.980	
28.00	-0.771	
30.00	0.265	
32.00	2.829	RB
34.00	2.820	House



X - Section at km. 0.800

Pre-work

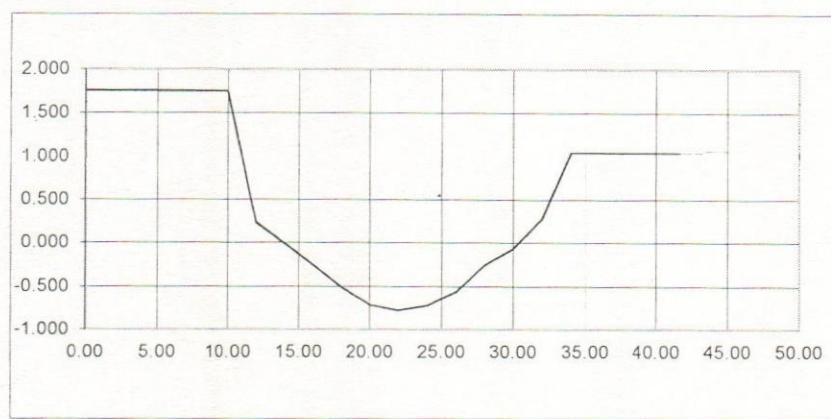
0.00	1.821	Garden
5.00	1.826	
10.00	1.831	LB
12.00	-0.005	
14.00	-0.400	
16.00	-0.849	
18.00	-1.000	
20.00	-1.204	
22.00	-1.249	CL
24.00	-1.200	
26.00	-1.049	
28.00	-0.833	
30.00	0.129	
32.00	2.596	RB
35.00	2.591	House



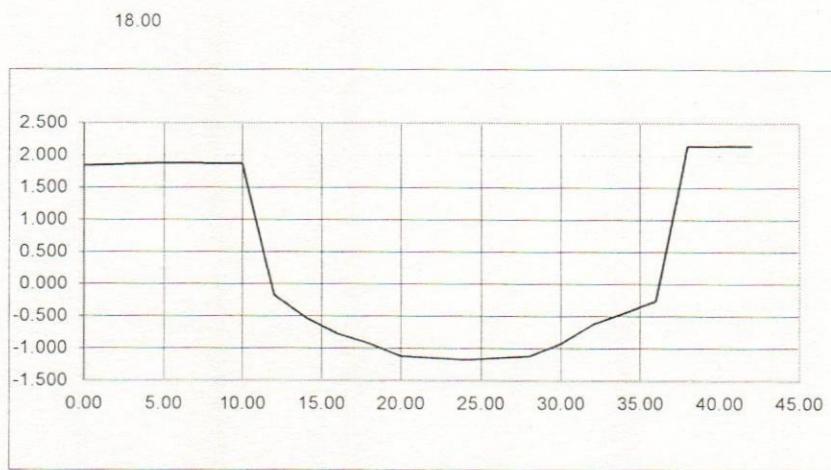
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(S)

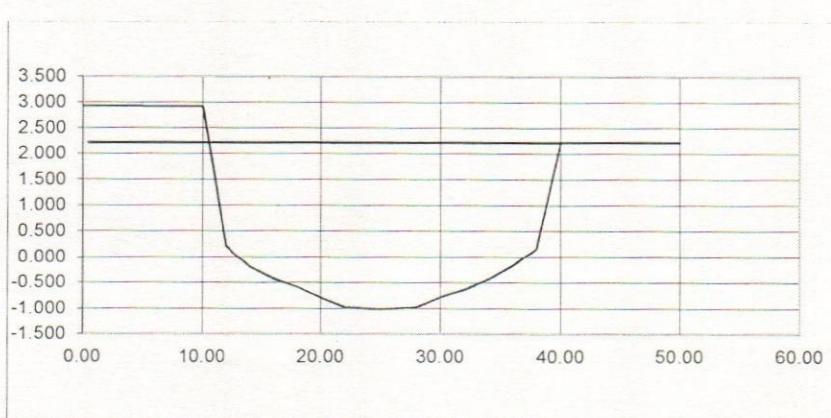
X - Section at km.	0.900
Pre-work	18.00
0.00	1.760
5.00	1.755
10.00	1.750
12.00	0.232
14.00	-0.011
16.00	-0.255
18.00	-0.511
20.00	-0.715
22.00	-0.776
24.00	-0.720
26.00	-0.560
28.00	-0.250
30.00	-0.065
32.00	0.284
34.00	1.045
40.00	1.050
45.00	1.060
Paddy land	



X - Section at km.	1.000
Pre-work	18.00
0.00	1.843
5.00	1.877
10.00	1.868
12.00	-0.172
14.00	-0.523
16.00	-0.772
18.00	-0.923
20.00	-1.120
24.00	-1.172
28.00	-1.117
30.00	-0.924
32.00	-0.623
36.00	-0.262
38.00	2.138
40.00	2.143
42.00	2.148
House	



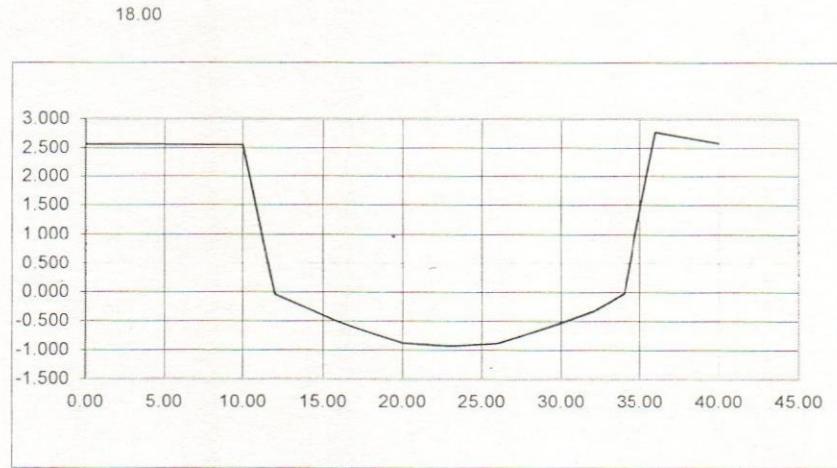
X - Section at km.	1.100
Pre-work	18.00
0.00	2.933
5.00	2.928
10.00	2.922
12.00	0.222
14.00	-0.178
16.00	-0.417
18.00	-0.578
20.00	-0.789
22.00	-0.972
25.00	-1.017
28.00	-0.973
30.00	-0.778
32.00	-0.627
34.00	-0.427
36.00	-0.168
38.00	0.168
40.00	2.213
0.45	2.218
50.00	2.223
Garden	



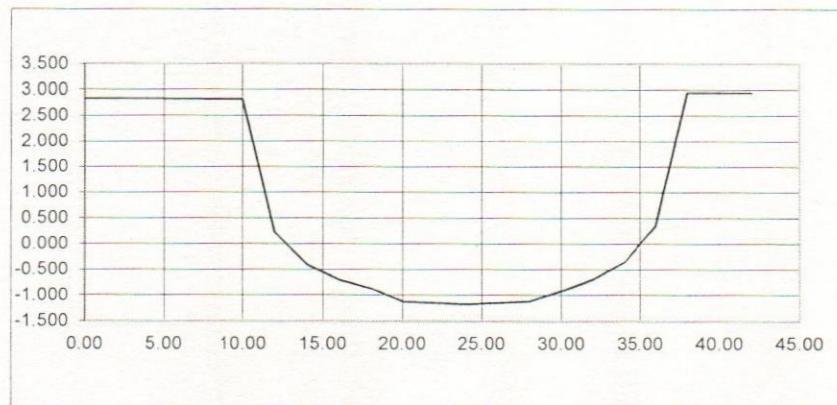
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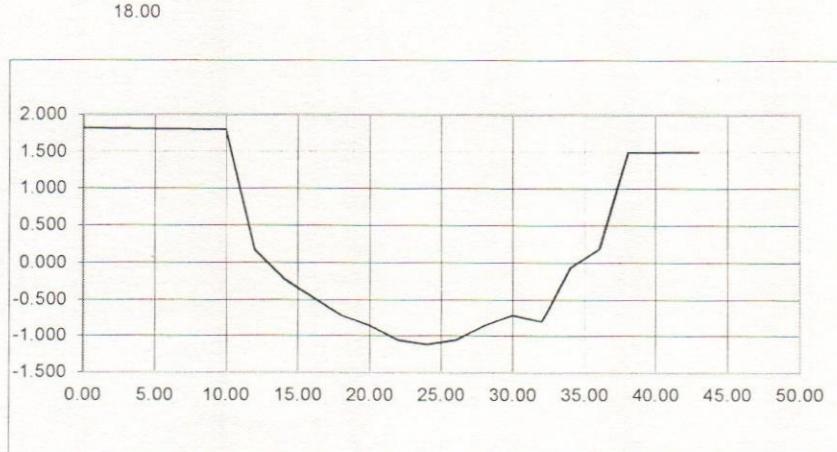
X - Section at km.	1.200
Pre-work	
0.00	2.563
5.00	2.558
10.00	2.553
12.00	-0.032
14.00	-0.278
16.00	-0.517
18.00	-0.702
20.00	-0.875
23.00	-0.927
26.00	-0.878
28.00	-0.707
30.00	-0.527
32.00	-0.327
34.00	-0.017
36.00	2.778
40.00	2.578
Garden	
LB	
CL	
RB	
House	



X - Section at km.	1.300
Pre-work	
0.00	2.840
5.00	2.830
10.00	2.819
12.00	0.221
14.00	-0.405
16.00	-0.699
18.00	-0.866
20.00	-1.121
24.00	-1.175
28.00	-1.116
30.00	-0.915
32.00	-0.690
34.00	-0.350
36.00	0.356
38.00	2.951
42.00	2.946
Open land	
LB	
CL	
RB	
Bc road	



X - Section at km.	1.400
Pre-work	
0.00	1.821
5.00	1.806
10.00	1.801
12.00	0.176
14.00	-0.214
16.00	-0.460
18.00	-0.714
20.00	-0.860
22.00	-1.060
24.00	-1.119
26.00	-1.061
28.00	-0.861
30.00	-0.709
32.00	-0.799
34.00	-0.060
36.00	0.191
38.00	1.491
43.00	1.501
House	
LB	
CL	
RB	
School	

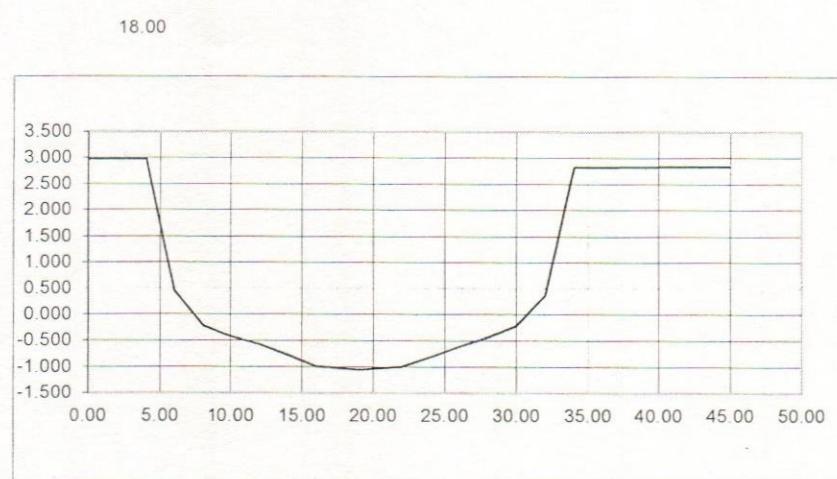


(W)

(S)

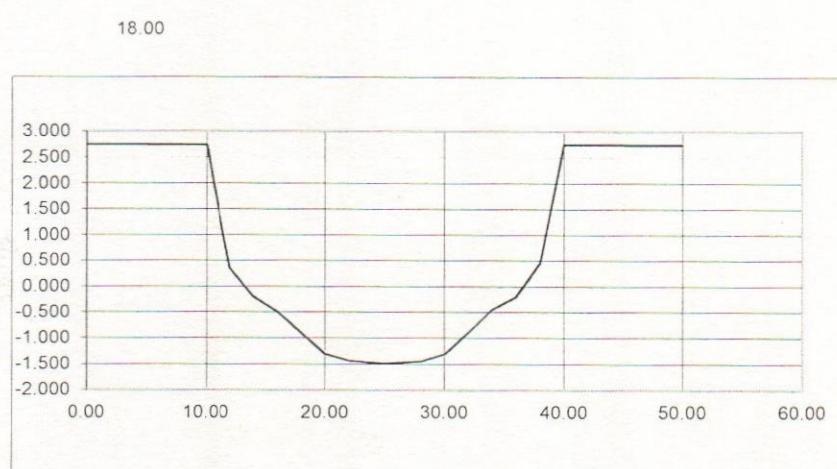
X - Section at km. 1.500

Pre-work	18.00
0.00	2.978
4.00	2.983
6.00	0.452
8.00	-0.213
10.00	-0.417
12.00	-0.568
14.00	-0.768
16.00	-0.989
19.00	-1.051
22.00	-0.992
24.00	-0.807
26.00	-0.607
28.00	-0.432
30.00	-0.212
32.00	0.365
34.00	2.828
40.00	2.838
45.00	2.839



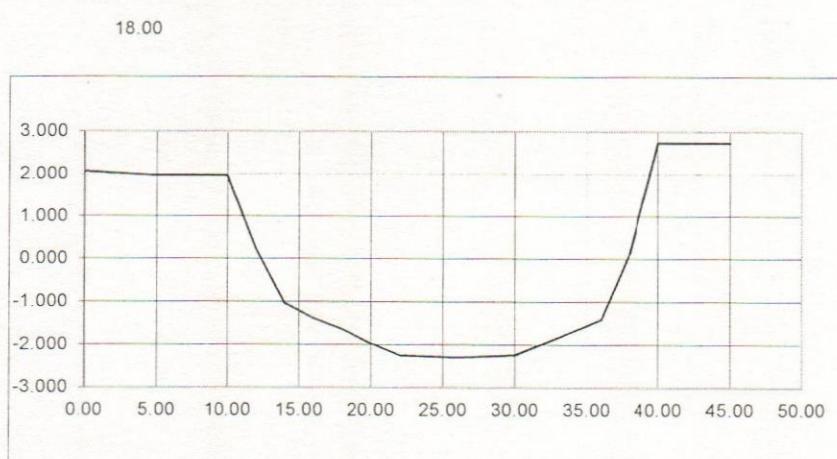
X - Section at km. 1.600

Pre-work	18.00
0.00	2.754
5.00	2.749
10.00	2.744
12.00	0.356
14.00	-0.201
16.00	-0.486
18.00	-0.896
20.00	-1.301
22.00	-1.437
25.00	-1.487
28.00	-1.447
30.00	-1.306
32.00	-0.891
34.00	-0.447
36.00	-0.201
38.00	0.459
40.00	2.754
45.00	2.749
50.00	2.744



X - Section at km. 1.700

Pre-work	18.00
0.00	2.073
5.00	1.968
10.00	1.963
12.00	0.222
14.00	-1.042
16.00	-1.392
18.00	-1.638
20.00	-1.977
22.00	-2.247
26.00	-2.300
30.00	-2.242
32.00	-1.971
34.00	-1.687
36.00	-1.412
38.00	0.125
40.00	2.738
45.00	2.743



(m)

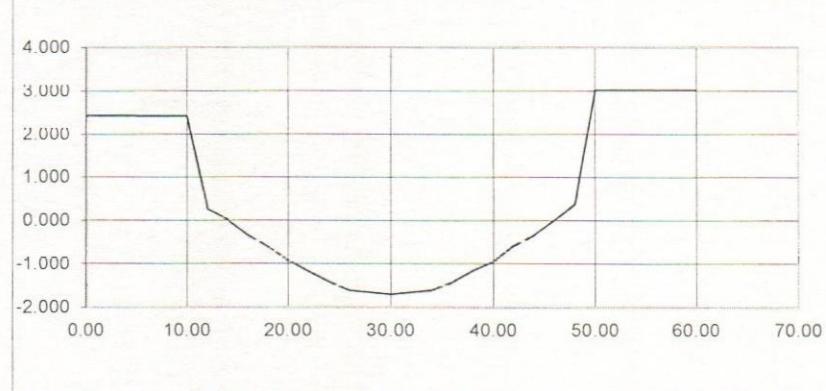
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X - Section at km. 1.800

Pre-work

0.00	2.434	House area
5.00	2.429	
10.00	2.423	LB
12.00	0.269	
14.00	0.023	
16.00	-0.326	
18.00	-0.591	
20.00	-0.926	
22.00	-1.177	
24.00	-1.426	
26.00	-1.608	
30.00	-1.700	CL
34.00	-1.607	
36.00	-1.421	
38.00	-1.156	
40.00	-0.943	
42.00	-0.577	
44.00	-0.326	
46.00	0.023	
48.00	0.374	
50.00	3.014	RB
55.00	3.019	
60.00	3.024	Garden

18.00

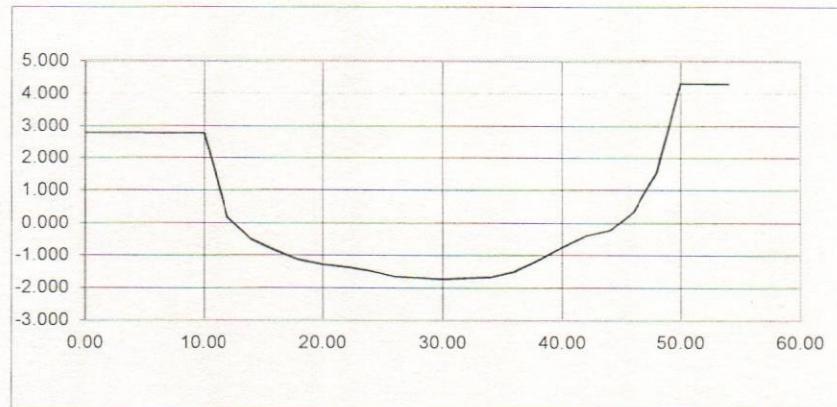


X - Section at km. 1.900

Pre-work

0.00	2.797	House area
5.00	2.787	
10.00	2.782	LB
12.00	0.183	
14.00	-0.493	
16.00	-0.844	
18.00	-1.144	
20.00	-1.283	
22.00	-1.365	
24.00	-1.483	
26.00	-1.659	
30.00	-1.733	CL
34.00	-1.678	
36.00	-1.498	
38.00	-1.145	
40.00	-0.744	
42.00	-0.384	
44.00	-0.216	
46.00	0.351	
48.00	1.551	
50.00	4.317	RB
54.00	4.302	Bc road

18.00



(ew)

g

X - Section at km. 2.000

0.00 2.465 Open land

5.00 2.450

10.00 2.429

LB

12.00 0.345

14.00 0.070

16.00 -0.181

18.00 -0.381

20.00 -0.620

22.00 -0.981

24.00 -1.181

26.00 -1.414

30.00 -1.470

CL

34.00 -1.415

36.00 -1.220

38.00 -0.995

40.00 -0.730

42.00 -0.520

44.00 -0.281

46.00 0.019

48.00 1.111

50.00 4.184

54.00 4.182

RB

Bc road

X - Section at km.

2.100

Garden

0.00 2.310

5.00 2.315

10.00 2.320

LB

12.00 0.650

14.00 0.470

16.00 0.419

18.00 0.119

20.00 -0.330

22.00 -0.475

24.00 -0.685

26.00 -0.920

28.00 -1.130

30.00 -1.314

32.00 -1.370

CL

34.00 -1.320

36.00 -1.130

38.00 -0.881

40.00 -0.738

42.00 -0.520

44.00 -0.330

46.00 -0.025

48.00 0.245

50.00 0.470

52.00 0.670

RB

Bc road

X - Section at km.

2.200

0.00 1.539

Garden

5.00 1.534

10.00 1.529

LB

12.00 0.121

14.00 -0.906

18.00 -1.281

22.00 -1.571

26.00 -1.825

CL

30.00 -1.905

34.00 -1.831

38.00 -1.532

42.00 -1.271

46.00 0.123

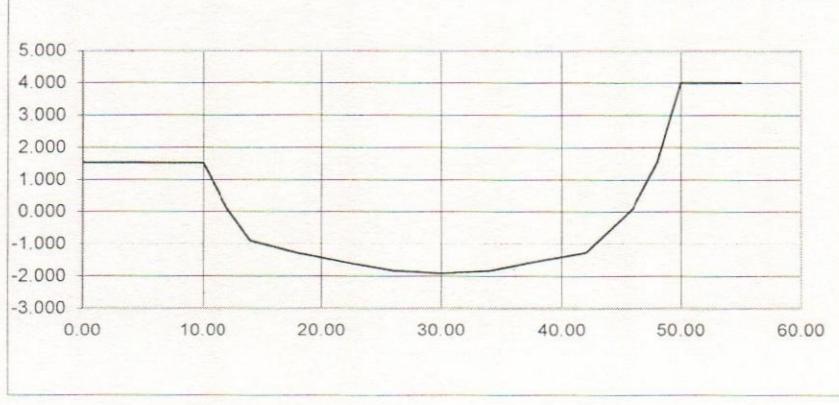
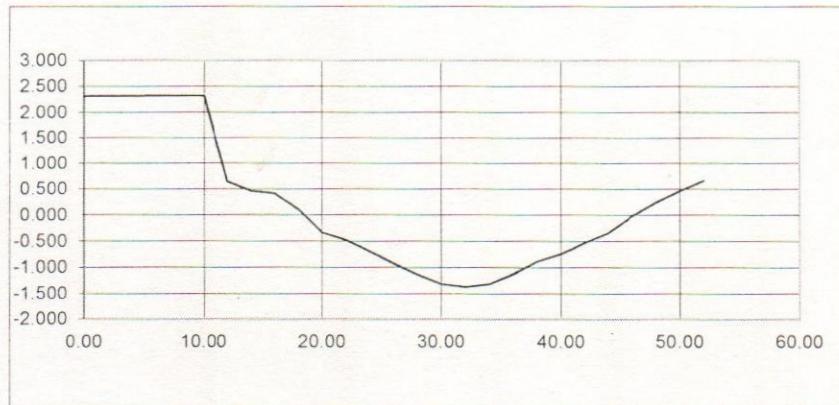
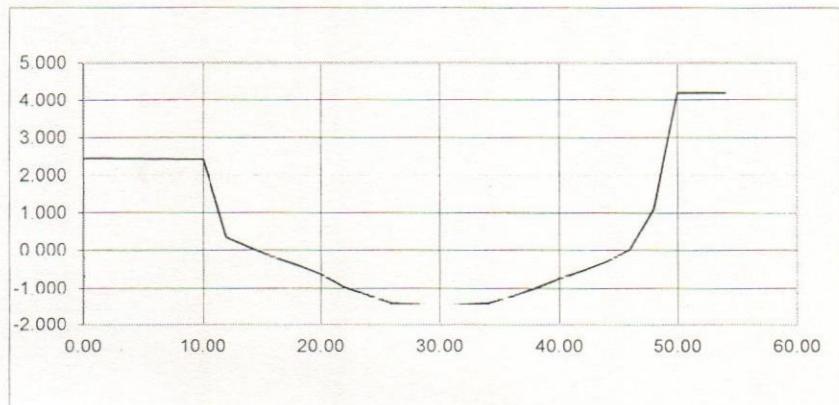
48.00 1.525

50.00 4.009

RB

Bc road

55.00 4.001



X - Section at km. 2.300

Pre-work

0.00 2.455

5.00 2.462

7.00 0.356

9.00 -0.870

13.00 -1.185

17.00 -1.500

21.00 -1.685

25.00 -1.821

26.00 -1.870

27.00 -1.825

31.00 -1.682

35.00 -1.495

39.00 -1.031

43.00 0.125

45.00 1.215

47.00 4.060

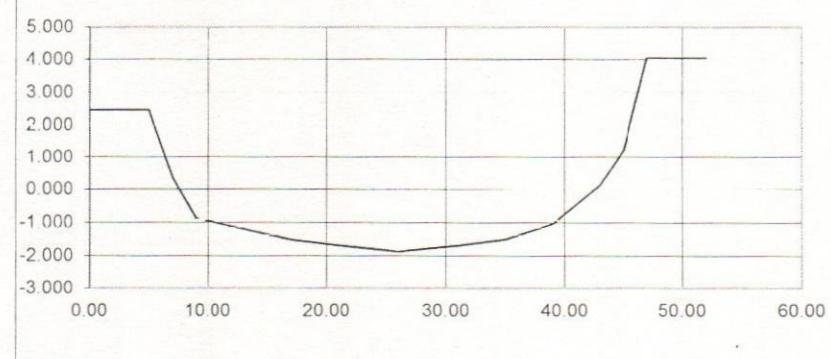
52.00 4.045

House

LB

CL

18.00



X - Section at km.

2.400

Pre-work

0.00 3.116

5.00 3.111

7.00 1.112

9.00 -0.113

13.00 -1.334

17.00 -1.644

21.00 -1.851

24.00 -1.919

27.00 -1.850

31.00 -1.634

35.00 -1.380

39.00 -1.019

41.00 0.581

43.00 3.994

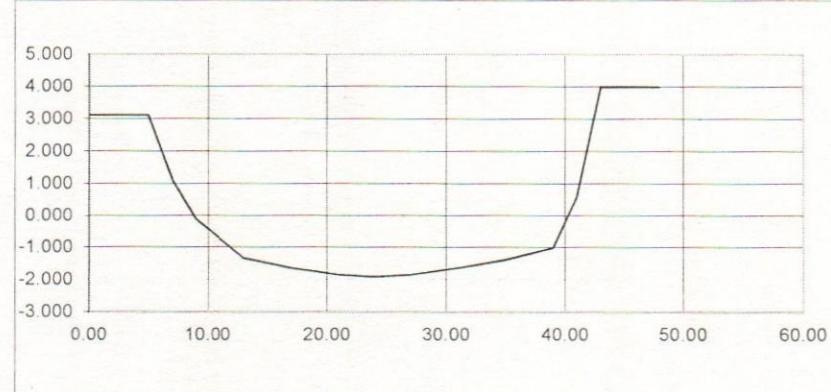
48.00 3.993

House

LB

CL

18.00



X - Section at km. 2.500

Pre-work

0.00 1.671

5.00 1.676

10.00 1.681

Open land

LB

12.00 0.114

14.00 -0.980

18.00 -1.329

22.00 -1.580

26.00 -1.774

30.00 -1.829

34.00 -1.779

38.00 -1.574

42.00 -1.320

46.00 -0.236

48.00 0.566

50.00 4.101

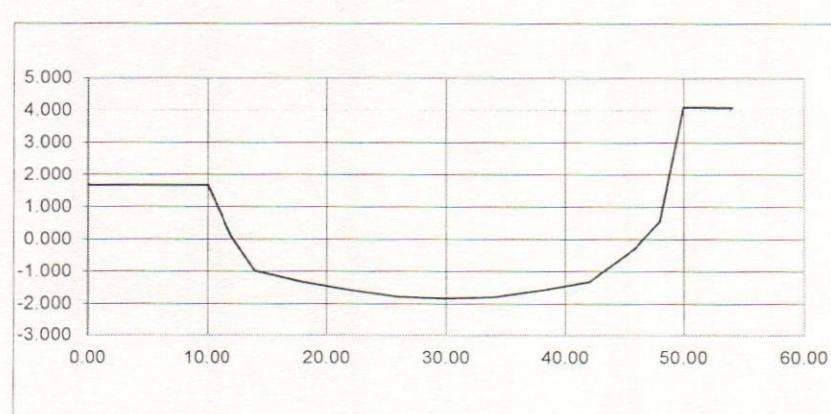
54.00 4.085

CL

RB

Bc road

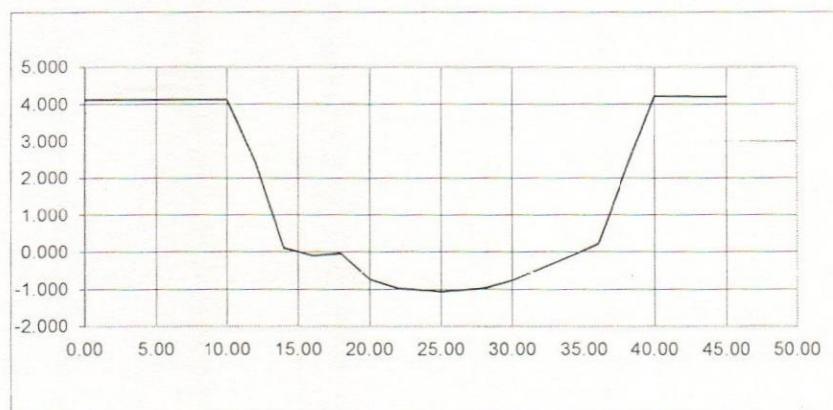
18.00



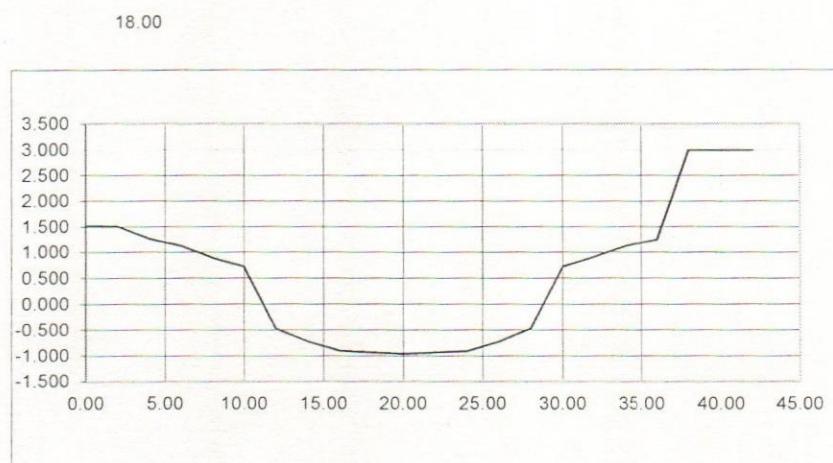
(v)

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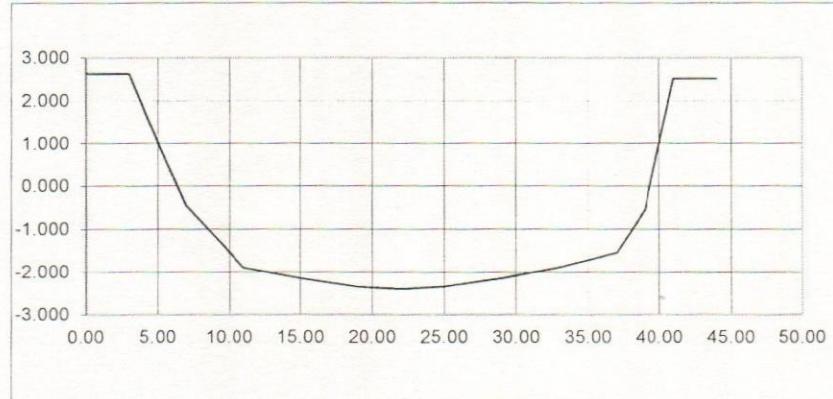
X - Section at km.	2.600
Pre-work	18.00
0.00	4.123
5.00	4.128
10.00	4.133
12.00	2.438
14.00	0.108
16.00	-0.092
18.00	-0.042
20.00	-0.732
22.00	-0.974
25.00	-1.057
28.00	-0.972
30.00	-0.757
32.00	-0.433
34.00	-0.118
36.00	0.228
38.00	2.228
40.00	4.223
45.00	4.208
Road side	Bc road



X - Section at km.	2.700
Pre-work	18.00
0.00	1.520
2.00	1.510
4.00	1.275
6.00	1.129
8.00	0.890
10.00	0.729
12.00	-0.471
14.00	-0.720
16.00	-0.900
20.00	-0.960
24.00	-0.901
26.00	-0.726
28.00	-0.472
30.00	0.728
32.00	0.920
34.00	1.129
36.00	1.251
38.00	3.000
42.00	2.995
Shop	Mosque
LB	
CL	



X - Section at km.	2.800
Pre-work	18.00
0.00	2.629
3.00	2.623
5.00	1.012
7.00	-0.454
11.00	-1.896
15.00	-2.147
19.00	-2.346
22.00	-2.396
25.00	-2.341
29.00	-2.143
33.00	-1.891
37.00	-1.547
39.00	-0.541
41.00	2.523
44.00	2.519
Shop	
LB	
CL	
RB	
House	

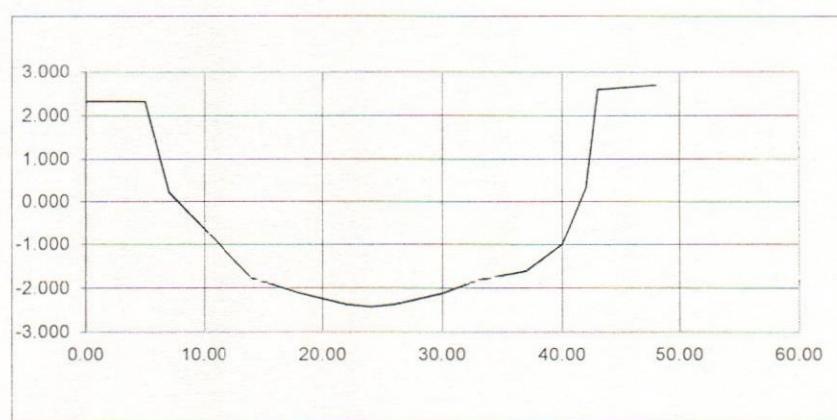


(W)

(S)

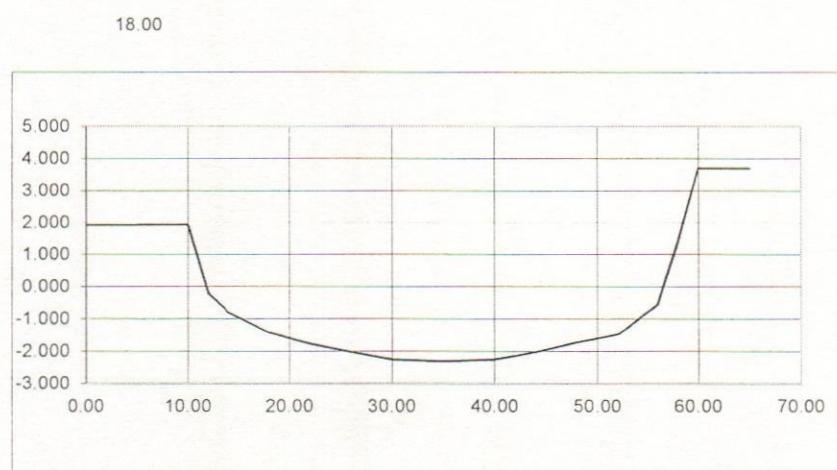
X - Section at km. 2.900

Pre-work	18.00
0.00	2.329
5.00	2.324
7.00	0.225
14.00	-1.767
18.00	-2.106
22.00	-2.371
24.00	-2.426
26.00	-2.368
30.00	-2.121
33.00	-1.816
37.00	-1.606
40.00	-0.985
42.00	0.325
43.00	2.598
48.00	2.694
House	
LB	
CL	
RB	



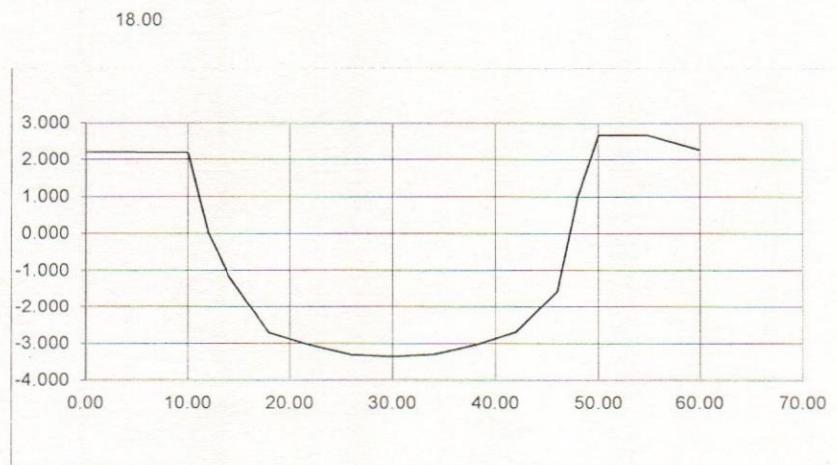
X - Section at km. 3.000

Pre-work	18.00
0.00	1.923
5.00	1.928
10.00	1.933
12.00	-0.214
14.00	-0.789
18.00	-1.418
22.00	-1.762
26.00	-2.018
30.00	-2.251
35.00	-2.307
40.00	-2.251
44.00	-2.018
48.00	-1.718
52.00	-1.467
56.00	-0.569
58.00	1.373
60.00	3.717
65.00	3.708
Bc road	
RB	



X - Section at km. 3.100

Pre-work	18.00
0.00	2.207
5.00	2.202
10.00	2.197
12.00	0.012
14.00	-1.121
18.00	-2.709
22.00	-3.043
26.00	-3.303
30.00	-3.357
34.00	-3.299
38.00	-3.038
42.00	-2.694
46.00	-1.559
48.00	1.021
50.00	2.662
55.00	2.662
60.00	2.272
House area	
RB	



(ω)

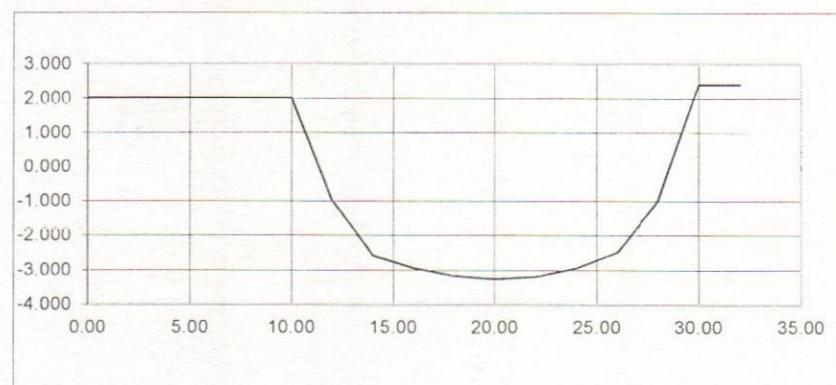
8

X - Section at km. 3.200

Pre-work

0.00	2.017	House area
5.00	2.022	
10.00	2.017	LB
12.00	-0.985	
14.00	-2.573	
16.00	-2.934	
18.00	-3.171	
20.00	-3.257	CL
22.00	-3.188	
24.00	-2.939	
26.00	-2.473	
28.00	-1.005	
30.00	2.413	RB
32.00	2.417	House

#REF!

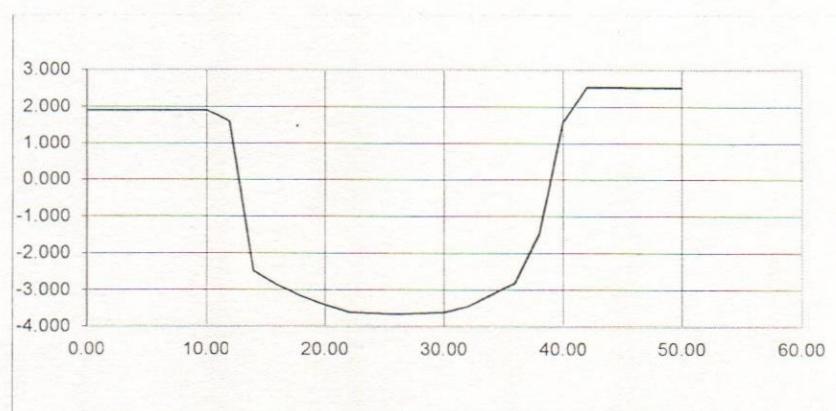


X - Section at km. 3.300

Pre-work

0.00	1.909	House
5.00	1.899	
10.00	1.894	LB
12.00	1.598	
14.00	-2.476	
16.00	-2.856	
18.00	-3.156	
20.00	-3.407	
22.00	-3.602	
26.00	-3.656	CL
30.00	-3.601	
32.00	-3.456	
34.00	-3.121	
36.00	-2.807	
38.00	-1.465	
40.00	1.589	
42.00	2.539	RB
45.00	2.534	
50.00	2.529	Garden

18.00

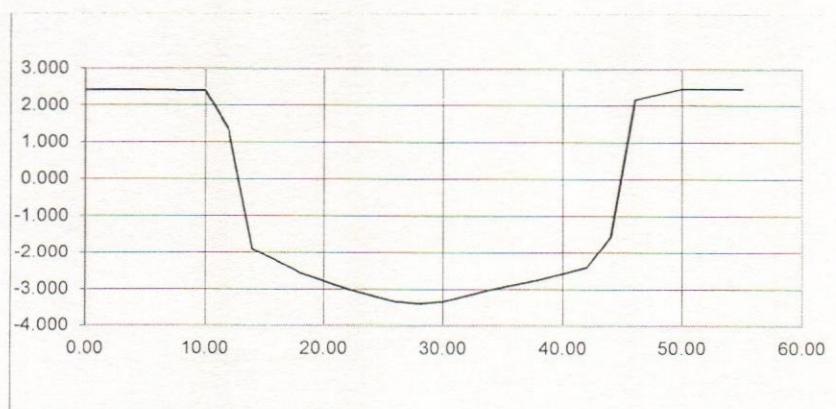


X - Section at km. 3.400

Pre-work

0.00	2.425	House area
5.00	2.420	
10.00	2.405	LB
12.00	1.325	
14.00	-1.895	
18.00	-2.559	
22.00	-3.006	
26.00	-3.333	
28.00	-3.395	CL
30.00	-3.339	
34.00	-3.007	
38.00	-2.739	
42.00	-2.406	
44.00	-1.546	
46.00	2.172	RB
50.00	2.465	
55.00	2.460	House area

18.00



(b)

S

X - Section at km. 3.500

Pre-work

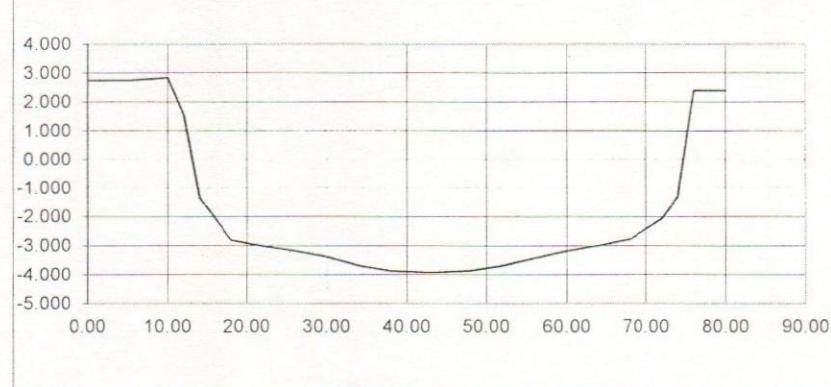
0.00	2.739
5.00	2.736
10.00	2.836
12.00	1.565
14.00	-1.356
18.00	-2.797
22.00	-3.003
26.00	-3.164
30.00	3.364
34.00	-3.664
38.00	-3.854
43.00	-3.913
48.00	-3.855
52.00	-3.679
56.00	-3.418
60.00	-3.173
64.00	-2.975
68.00	-2.764
72.00	-2.056
74.00	-1.325
76.00	2.387
80.00	2.382

House

LB

CL

18.00



X - Section at km.

3.600

Pre-work

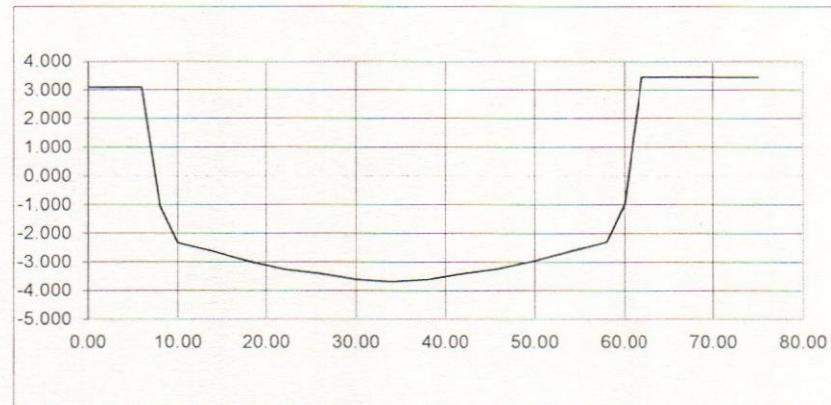
0.00	3.107
6.00	3.101
8.00	-1.038
10.00	-2.332
14.00	-2.638
18.00	-2.973
22.00	-3.248
26.00	-3.399
30.00	-3.614
34.00	-3.684
38.00	-3.610
42.00	-3.399
46.00	-3.233
50.00	-2.953
54.00	-2.614
58.00	-2.299
60.00	-0.986
62.00	3.452
70.00	3.447
75.00	3.442

House

LB

CL

18.00



X - Section at km.

3.700

Pre-work

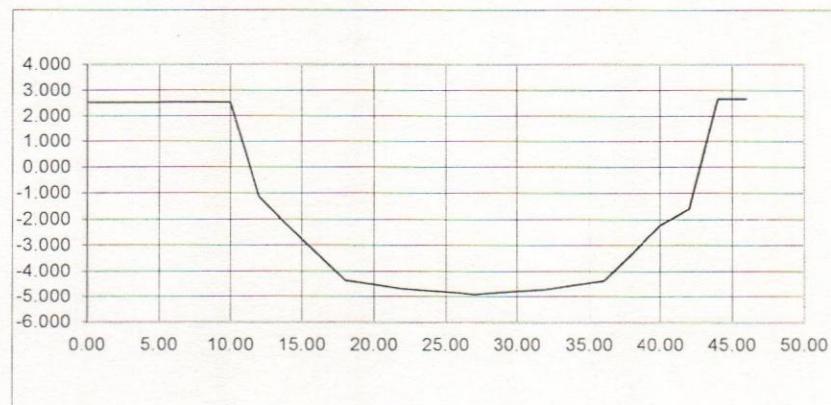
0.00	2.532
5.00	2.537
10.00	2.541
12.00	-1.125
14.00	-2.225
18.00	-4.359
22.00	-4.692
26.00	-4.859
27.00	-4.913
28.00	-4.863
32.00	-4.708
36.00	-4.368
40.00	-2.225
42.00	-1.598
44.00	2.672
46.00	2.682

House

LB

CL

18.00



(W)

S

X - Section at km. 3.800

Pre-work

0.00 2.676

4.00 2.672

6.00 -0.965

8.00 -2.002

10.00 -3.071

12.00 -3.395

14.00 -3.720

16.00 -3.905

20.00 -3.960

24.00 -3.904

26.00 -3.715

28.00 -3.400

30.00 -3.125

32.00 -2.225

34.00 -1.047

36.00 2.930

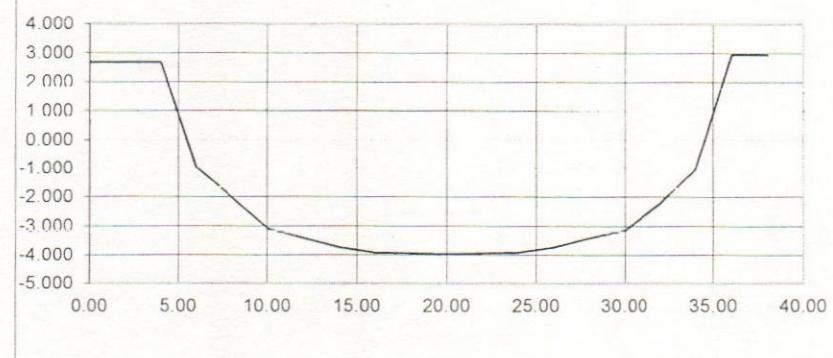
38.00 2.935

House

LB

CL

18.00



X - Section at km. 3.900

Pre-work

0.00 3.434

2.00 3.424

4.00 0.356

6.00 -0.266

10.00 -1.376

14.00 -2.184

18.00 -3.384

22.00 -3.481

24.00 -3.576

26.00 -3.501

30.00 -3.381

34.00 -3.576

38.00 -1.401

42.00 -0.666

44.00 0.434

46.00 2.884

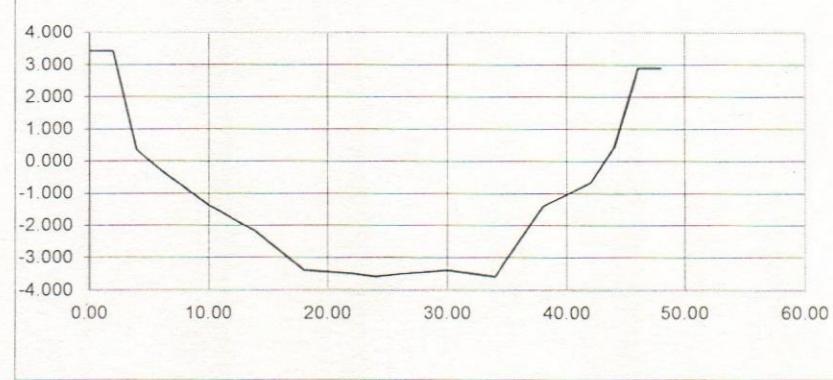
48.00 2.894

House

LB

CL

18.00



X - Section at km. 4.000

Pre-work

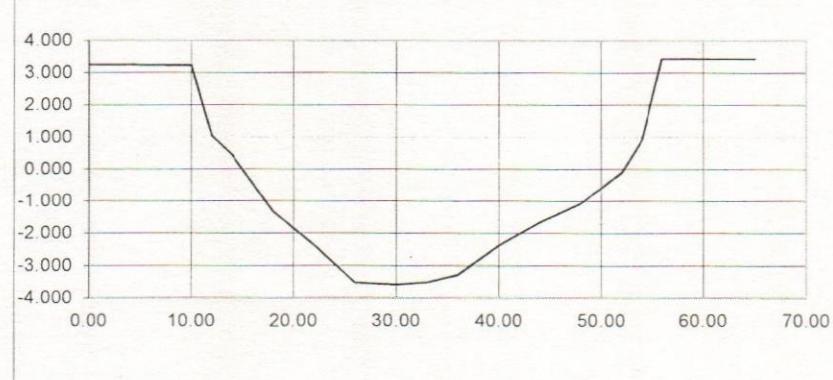
0.00 3.241

House area

LB

CL

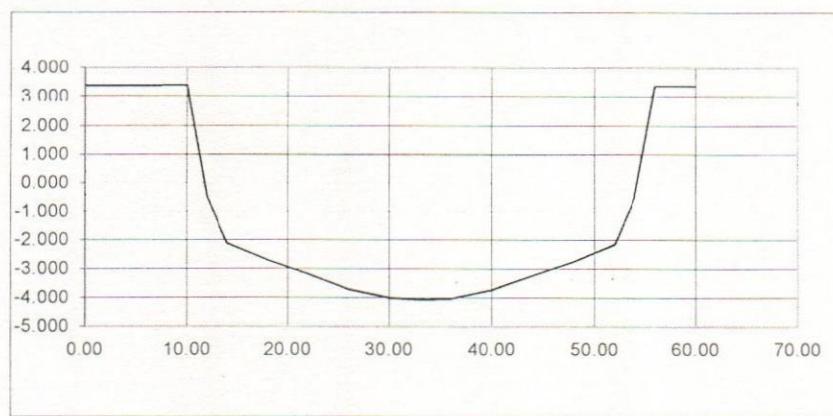
18.00



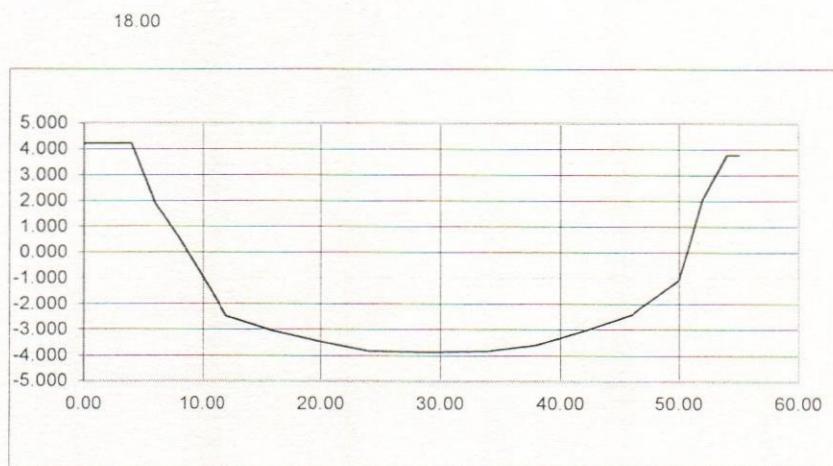
(W)

S

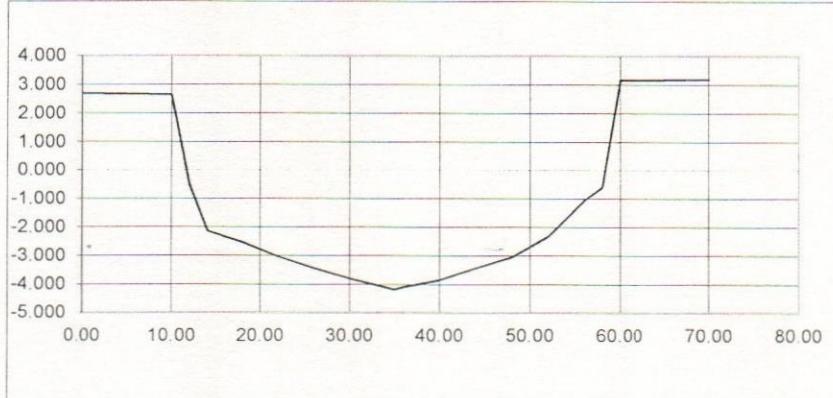
X - Section at km.	4.100
Pre-work	18.00
0.00	3.371
5.00	3.377
10.00	3.392
12.00	-0.523
14.00	-2.108
18.00	-2.693
22.00	-3.169
26.00	-3.693
30.00	-4.002
33.00	-4.058
36.00	-4.023
40.00	-3.714
44.00	-3.223
48.00	-2.743
52.00	-2.143
54.00	-0.508
56.00	3.362
60.00	3.357
65.00	3.352
House area	



X - Section at km.	4.200
Pre-work	18.00
0.00	4.214
4.00	4.213
6.00	1.895
8.00	0.551
12.00	-2.461
16.00	-3.051
20.00	-3.461
24.00	-3.812
29.00	-3.861
34.00	-3.813
38.00	-3.586
42.00	-3.026
46.00	-2.412
50.00	-1.078
52.00	2.115
54.00	3.789
55.00	3.784
RB	
House	



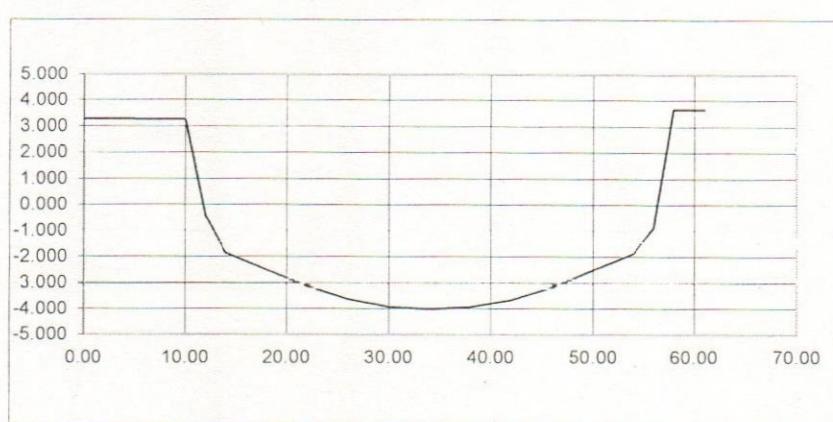
X - Section at km.	4.300
Pre-work	18.00
0.00	2.696
5.00	2.680
10.00	2.661
12.00	-0.523
14.00	-2.139
18.00	-2.529
22.00	-3.029
26.00	-3.434
30.00	-3.790
34.00	-4.090
35.00	-4.179
36.00	-4.094
40.00	-3.844
44.00	-3.423
48.00	-3.045
52.00	-2.329
56.00	-1.052
58.00	-0.590
60.00	3.171
65.00	3.180
70.00	3.196
RB	
House	



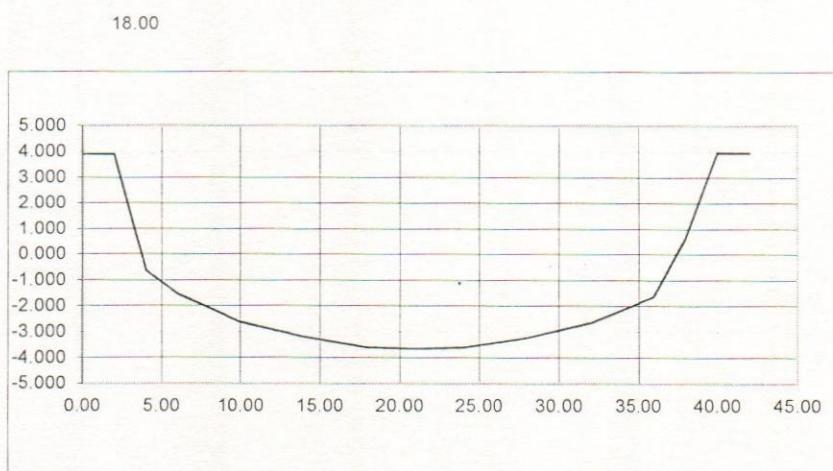
(C)

8

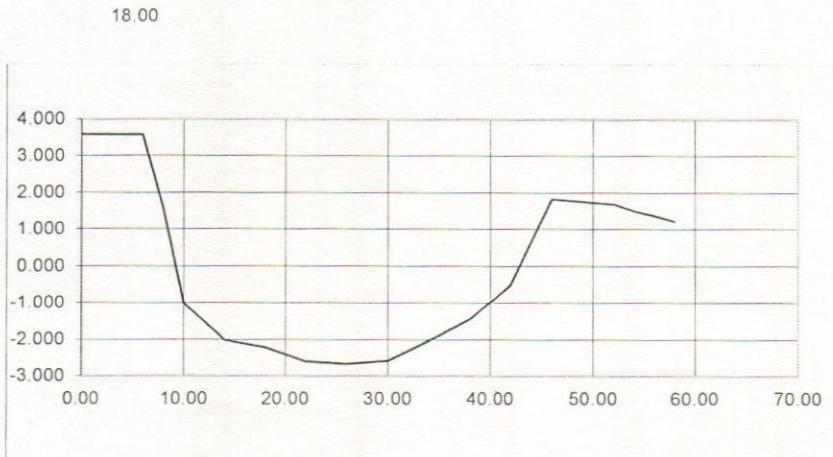
X - Section at km.	4.400
Pre-work	18.00
0.00	3.269
5.00	3.270
10.00	3.265
12.00	-0.465
14.00	-1.855
18.00	2.490
22.00	-3.120
26.00	-3.616
30.00	-3.917
34.00	-4.005
38.00	-3.916
42.00	-3.655
46.00	-3.170
50.00	-2.485
54.00	-1.855
56.00	-0.890
58.00	3.670
61.00	3.659
BC road	



X - Section at km.	4.500
Pre-work	18.00
0.00	3.900
2.00	3.905
4.00	-0.630
6.00	-1.545
10.00	-2.630
14.00	-3.191
18.00	-3.600
21.00	-3.650
24.00	-3.591
28.00	-3.230
32.00	-2.640
36.00	-1.630
38.00	0.630
40.00	3.960
42.00	3.955
RB	
House	



X - Section at km.	4.615
Pre-work	18.00
0.00	3.585
6.00	3.580
8.00	1.585
10.00	-1.015
14.00	-2.020
18.00	-2.215
22.00	-2.590
26.00	-2.665
30.00	-2.576
34.00	-2.025
38.00	-1.440
42.00	-0.515
44.00	0.685
46.00	1.825
52.00	1.685
54.00	1.499
56.00	1.385
58.00	1.219
Khal	



Md. Sajiqu Islam Bhikhi
Executive Engineer
SMO, IDWRM-KT
Specialized Division

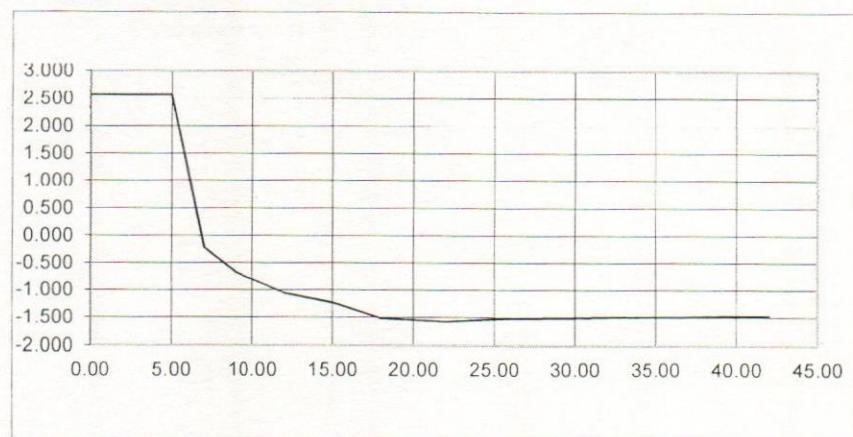
27/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of Outfall river (**Digharkul khal**) for Re-excavation of Pachuria khal from km. 0.000 to km. 4.615 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

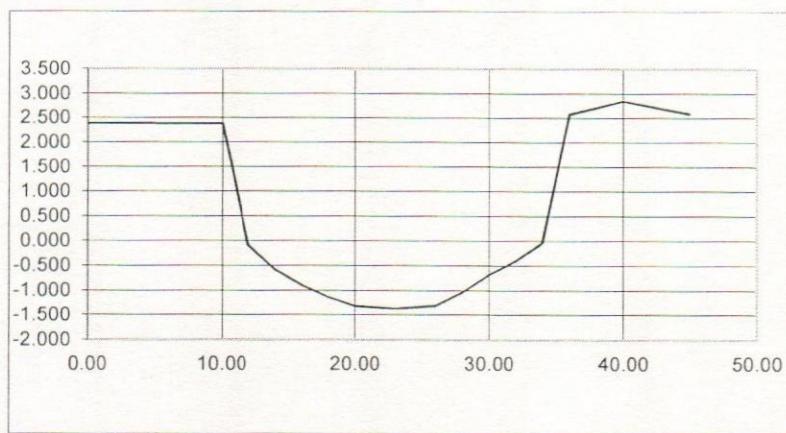
Cross section of Digharkul khal along the Pachuria khal

0.00	2.570	Shop
5.00	2.565	LB
7.00	-0.220	
9.00	-0.681	
12.00	-1.055	
15.00	-1.230	
18.00	-1.514	
22.00	-1.571	CL
26.00	-1.512	
28.00	-1.510	
30.00	-1.501	
32.00	-1.490	
34.00	-1.485	
37.00	-1.480	
39.00	-1.470	RB
42.00	-1.465	Khal



Cross section of Digharkul khal 50 US from meeting point of Pachuria khal

0.00	2.386	House area
5.00	2.385	
10.00	2.380	LB
12.00	-0.095	
14.00	-0.581	
16.00	-0.890	
18.00	-1.135	
20.00	-1.314	
23.00	-1.370	CL
26.00	-1.310	
28.00	-1.035	
30.00	-0.681	
32.00	-0.395	
34.00	-0.035	
36.00	2.580	RB
40.00	2.850	
45.00	2.590	House area



Cross section of Digharkul khal 50 DS from meeting point of Pachuria khal

0.00	3.419	School
5.00	3.380	
7.00	2.442	
10.00	2.470	LB
12.00	-0.575	
14.00	-1.035	
18.00	-1.381	
22.00	-1.671	
24.00	-1.720	CL
26.00	-1.681	
30.00	-1.281	
34.00	-1.035	
36.00	-0.625	
38.00	2.270	RB
45.00	2.245	Shop



Md. Safiqul Islam Sheik
Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

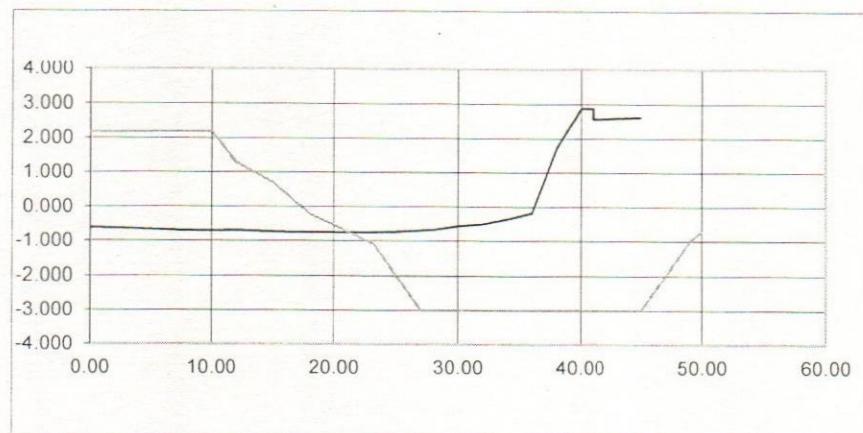
Aminul Islam Sohag
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of Offtake river (**Mora Modhunoti river**) for Re-excavation of Pachuria khal from km. 0.000 to km. 4.615 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Mora Modhumoti river along the Gabvita khal

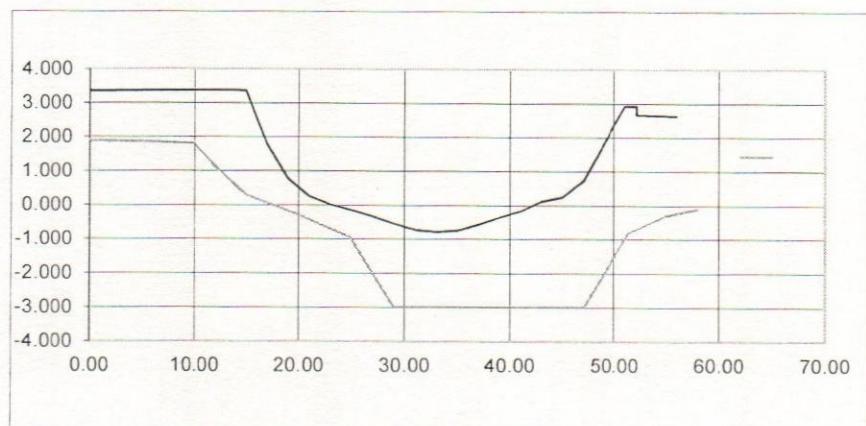
Pre-work

0.00	-0.613	Khal
2.00	-0.628	
5.00	-0.660	
7.00	-0.693	
10.00	-0.708	LB
12.00	-0.688	
14.00	-0.713	
16.00	-0.736	
18.00	-0.740	
20.00	-0.743	
22.00	-0.749	
25.00	-0.728	
28.00	-0.668	
30.00	-0.559	
32.00	-0.498	
34.00	-0.359	
36.00	-0.173	
38.00	1.741	
40.00	2.887	RB
41.00	2.886	
41.00	2.572	
45.00	2.627	Shop



Cross section of Mora Modhumoti river 50 US from meeting point of Gabvita khal

0.00	3.354	
5.00	3.369	BC road
14.00	3.384	LB
15.00	3.359	
17.00	1.773	
19.00	0.773	
21.00	0.259	
23.00	0.034	
25.00	-0.151	
27.00	-0.327	
29.00	-0.527	
31.00	-0.727	
33.00	-0.780	
35.00	-0.742	
37.00	-0.566	
39.00	-0.344	
41.00	-0.161	
43.00	0.119	
45.00	0.249	
47.00	0.740	
49.00	1.834	
51.00	2.914	RB
52.20	2.913	BC road
52.20	2.673	
56.00	2.634	



(a)

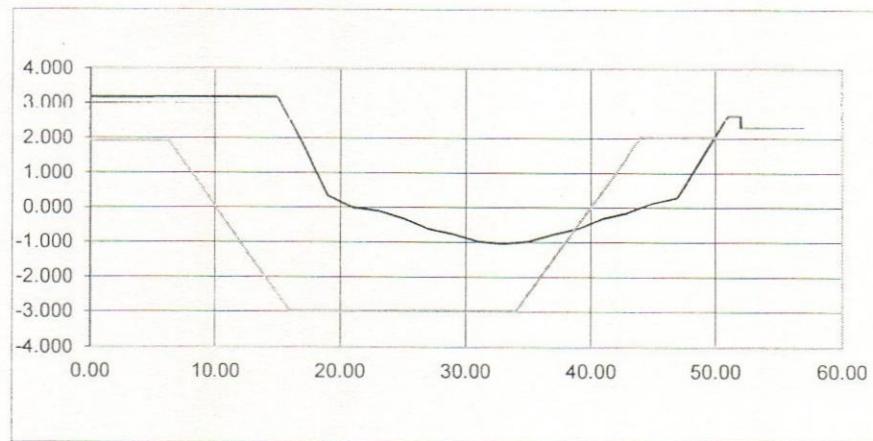
(b)

Cross section of Mora Modhumoti river 50 DS from meeting point of Gabvita khal

18.00

Pre-work

0.00	3.183	
5.00	3.185	
14.00	3.193	BC road
15.00	3.188	LB
17.00	1.837	
19.00	0.348	
21.00	0.009	
23.00	-0.091	
25.00	-0.307	
27.00	-0.607	
29.00	-0.758	
31.00	-0.969	
33.00	-1.028	
35.00	-0.968	
37.00	-0.773	
39.00	-0.591	
41.00	-0.302	
43.00	-0.132	
45.00	0.142	
47.00	0.303	
49.00	1.503	
51.00	2.642	RB
52.00	2.641	BC road
52.00	2.303	
57.00	2.298	



27/10/24
(Md. Sajiqu Islam Sheikh)

Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Mohammad Zahir Mazhar)

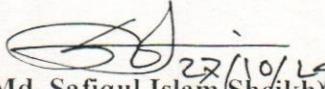
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

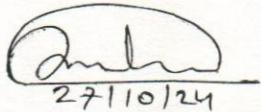
27/10/24
(Aminul Islam Sohag)

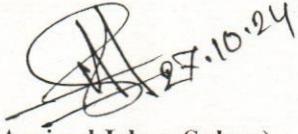
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

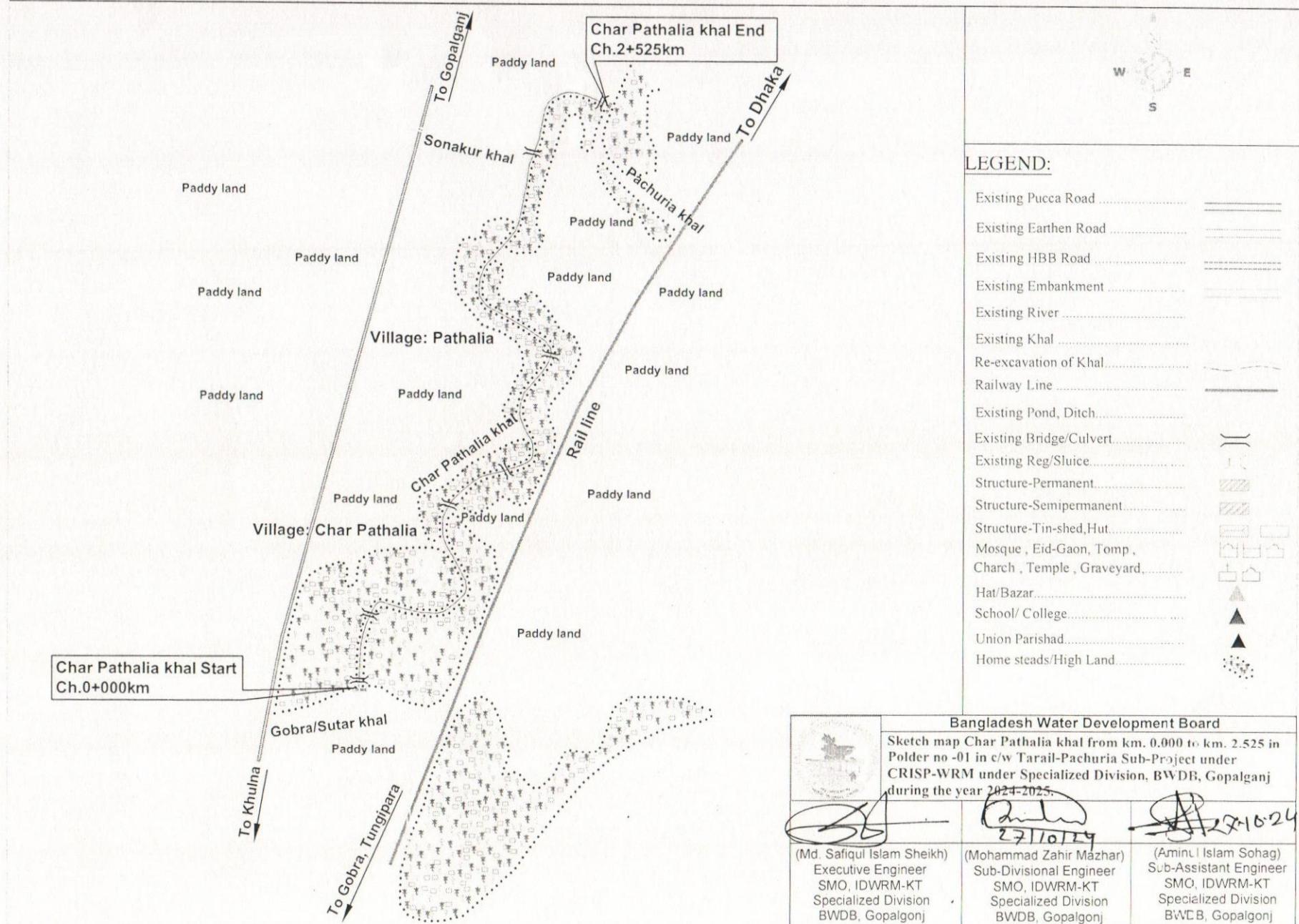
Data Checklist for the Re-excavation of Char Pathalia khal

1.	Name of the proposed Khal	:	Char Pathalia khal
2.	Catchments Area	:	250.00 Ha
3.	The lowest level up to which drainage requires	:	(-) 0.56 m (PWD)
4.	Avg. Ground level of the area	:	1.90 m (PWD)
5.	Length of the Khal	:	2.525 km
6.	Bed level of the outfall Khal/River	:	(-) 0.302 (PWD) (Kadar khal). Already Proposed for Re-excavation at Bed level (-) 1.50m PWD
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	4.00 m
10.	The proposed bed level of the Khal	:	At 0.00 (-) 1.30 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.5 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed. (Kadar Khal)
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	22.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL– 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.


 27/10/24
 (Md. Safiqul Islam Sheikh)
 Executive Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj


 27/10/24
 (Mohammad Zahir Mazhar)
 Sub-Divisional Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj

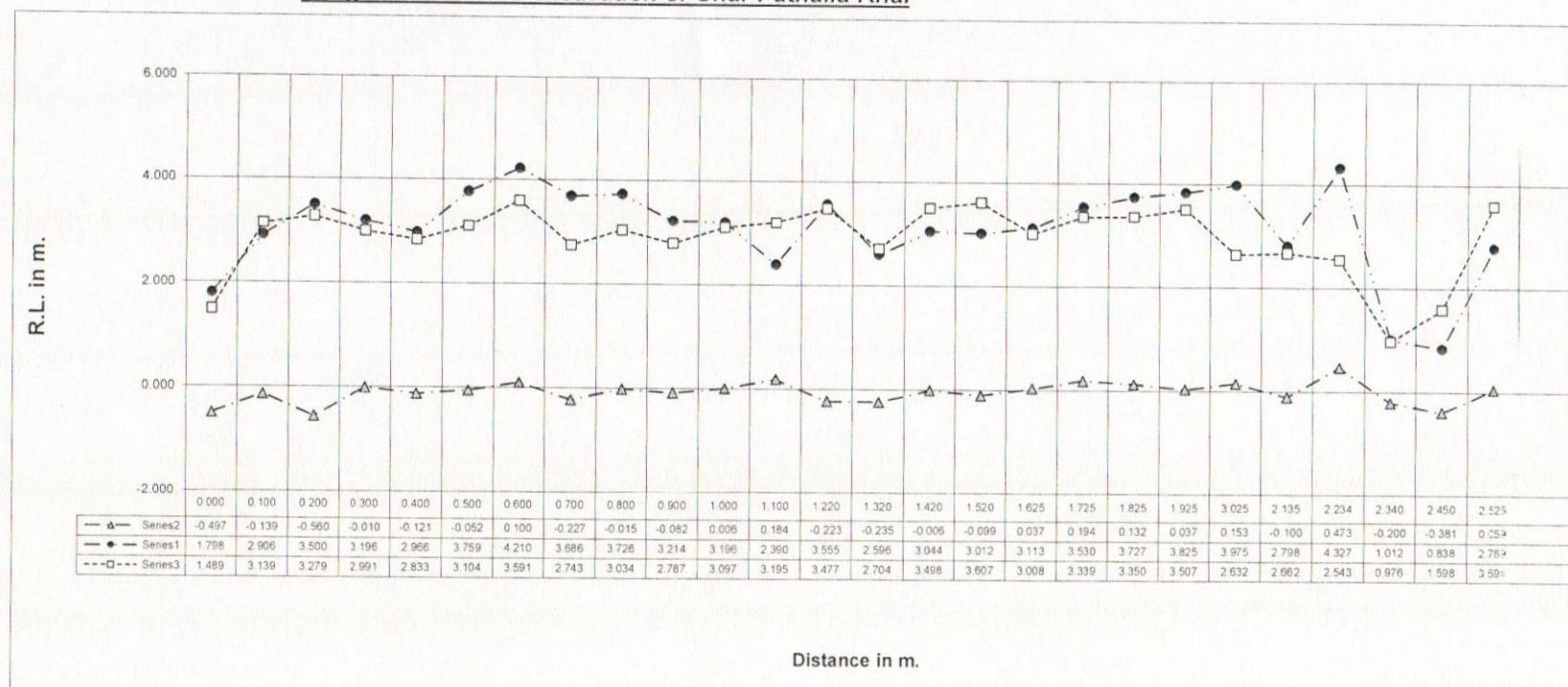

 27/10/24
 (Aminul Islam Sohag)
 Sub-Assistant Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj



Ch Long Section of Char Pathalia Khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.220	1.320	1.420	1.520	1.625	1.725	1.825	1.925	3.025	2.135	2.234	2.340	2.450	2.525
C/L R.L.	-0.497	-0.139	-0.560	-0.010	-0.121	-0.052	0.100	-0.227	-0.015	-0.082	0.006	0.184	-0.223	-0.235	-0.006	-0.099	0.037	0.194	0.132	0.037	0.153	-0.100	0.473	-0.200	-0.381	0.056
L/B.R.L.	1.798	2.906	3.500	3.196	2.966	3.759	4.210	3.686	3.726	3.214	3.196	2.390	3.555	2.596	3.044	3.012	3.113	3.530	3.727	3.825	3.975	2.798	4.327	1.012	0.838	2.769
R/B.R.L.	1.489	3.139	3.279	2.991	2.833	3.104	3.591	2.743	3.034	2.787	3.097	3.195	3.477	2.704	3.498	3.607	3.008	3.339	3.350	3.507	2.632	2.662	2.543	0.976	1.598	3.595

Long Section for re-excavation of Char Pathalia Khal



Distance in m.

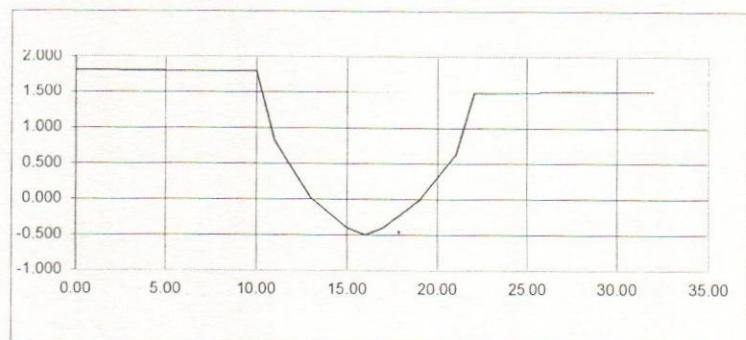
Cross Section for Re-excavation of Char Pathalia khal from km. 0.000 to km. 2.525 : r. Polder no - 01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division BWDB, Gopalganj during the year 2024-2025

(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Aminul Islam Sohag) Sub-Asstt Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj

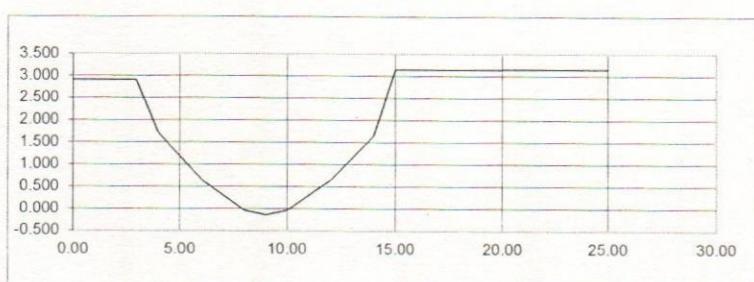
27/10/24 27/10/24 27/10/24

Cross Section of Char Pathalia khal from km. 0.000 to km. 2.525 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

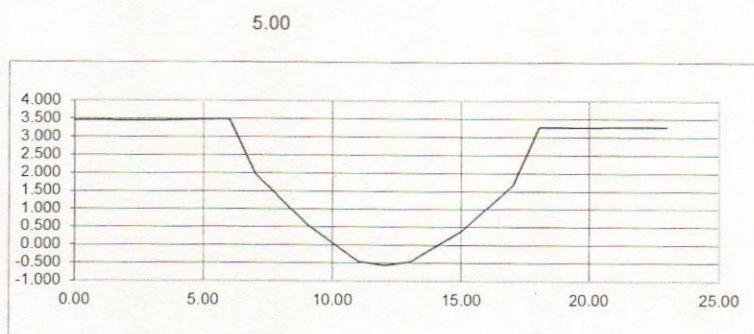
X - Section at km. 0.000		
	Pre work	
0.00	1.809	Khal bank
5.00	1.803	
10.00	1.798	LB
11.00	0.833	
13.00	0.020	
15.00	-0.398	
16.00	-0.497	CL
17.00	-0.396	
19.00	-0.012	
21.00	0.639	
22.00	1.489	RB
27.00	1.503	
32.00	1.510	Khal bank



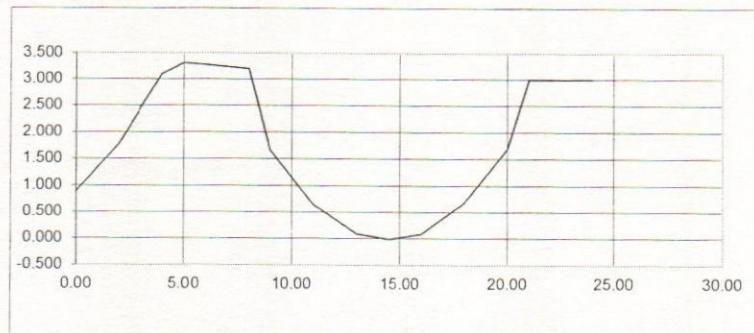
X - Section at km. 0.100		
	Pre-work	
0.00	2.911	Toilet
3.00	2.906	LB
4.00	1.725	
6.00	0.652	
8.00	-0.040	
9.00	-0.139	CL
10.00	-0.038	
12.00	0.651	
14.00	1.658	
15.00	3.139	RB
20.00	3.152	
25.00	3.160	Home stead



X - Section at km. 0.200		
	Pre-work	
0.00	3.470	House
3.00	3.455	RCC Road
6.00	3.500	LB
7.00	1.986	
9.00	0.577	
11.00	-0.457	
12.00	-0.560	CL
13.00	-0.459	
15.00	0.387	
17.00	1.679	
18.00	3.279	RB
23.00	3.293	House

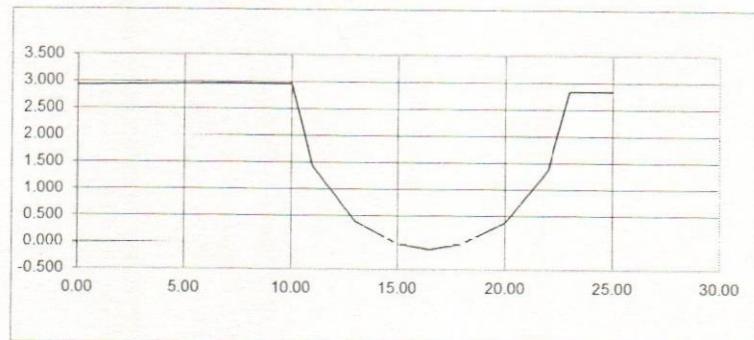


X - Section at km. 0.300		
	Pre-work	
0.00	0.897	Pond
2.00	1.790	
4.00	3.096	
5.00	3.302	RCC Road
8.00	3.196	LB
9.00	1.668	
11.00	0.650	
13.00	0.092	
14.50	-0.010	CL
16.00	0.091	
18.00	0.681	
20.00	1.695	
21.00	2.991	RB
23.00	2.997	House
24.00	2.997	

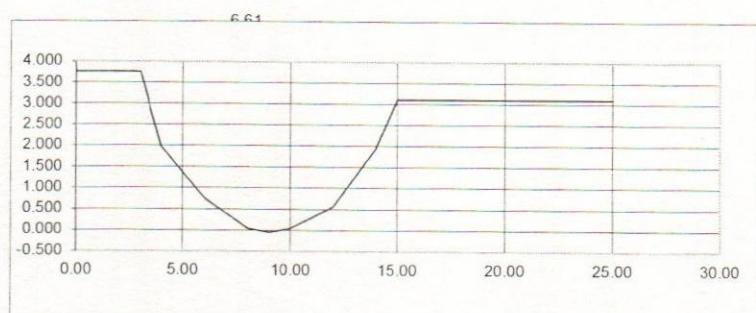


(W)

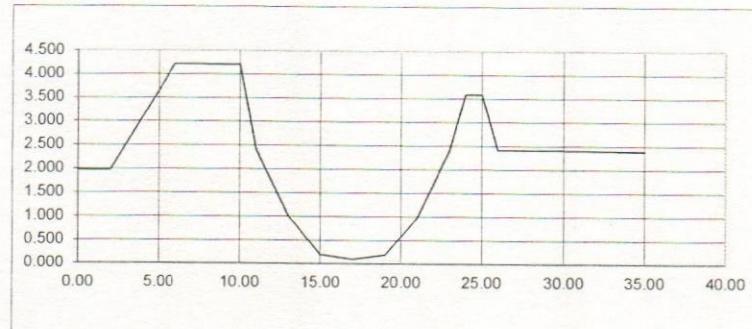
X - Section at km.	0.400
Pre-work	
0.00	2.935
7.00	2.966
10.00	2.959
11.00	1.436
13.00	0.397
15.00	-0.022
16.50	-0.121
18.00	0.020
20.00	0.383
22.00	1.379
23.00	2.833
25.00	2.838
House	



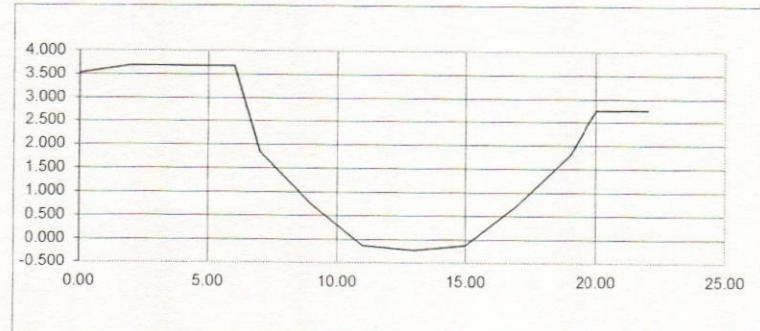
X - Section at km.	0.500
Pre-work	
0.00	3.764
3.00	3.759
4.00	1.978
6.00	0.760
8.00	0.045
9.00	-0.052
10.00	0.049
12.00	0.563
14.00	1.930
15.00	3.104
20.00	3.113
25.00	3.121
Garden	



X - Section at km.	0.600
Pre-work	
0.00	1.973
2.00	1.981
6.00	4.221
10.00	4.210
11.00	2.412
13.00	1.017
15.00	0.203
17.00	0.100
19.00	0.201
21.00	0.974
23.00	2.390
24.00	3.596
25.00	3.591
26.00	2.416
30.00	2.411
35.00	2.397
Paddy land	



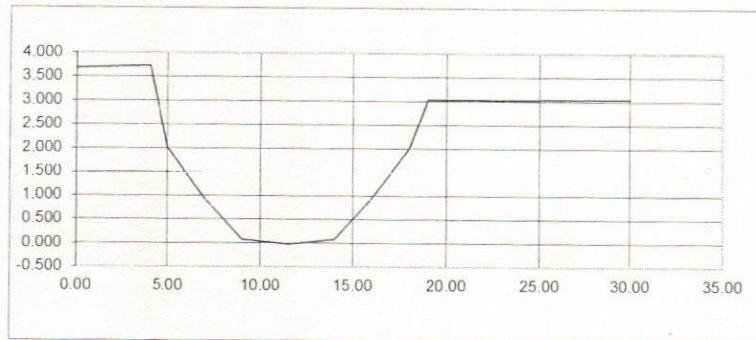
X - Section at km.	0.700
Pre-work	
0.00	3.532
2.00	3.694
6.00	3.686
7.00	1.840
9.00	0.736
11.00	-0.129
13.00	-0.227
15.00	-0.125
17.00	0.740
19.00	1.814
20.00	2.743
22.00	2.757
B.wall	



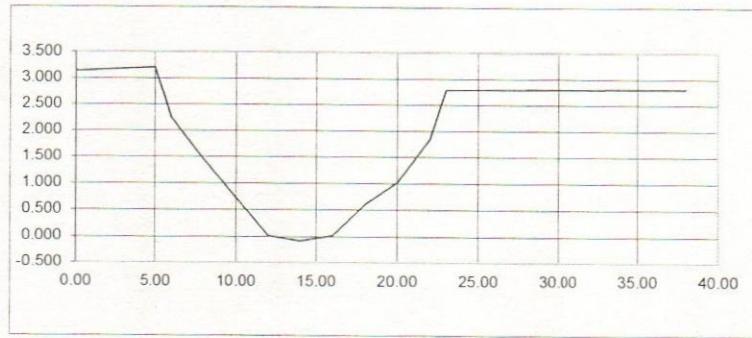
(a)

(b)

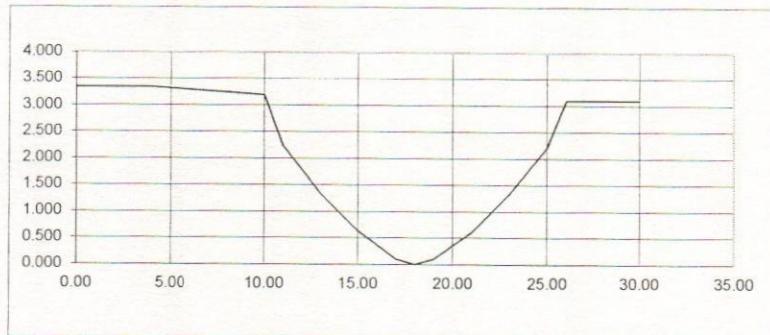
X - Section at km.		0.800
Pre-work		
0.00	3.686	House
4.00	3.726	LB
5.00	2.029	
7.00	0.930	
9.00	0.087	
11.50	-0.015	CL
14.00	0.086	
16.00	0.941	
18.00	2.003	
19.00	3.034	RB
25.00	3.039	
30.00	3.056	Garden



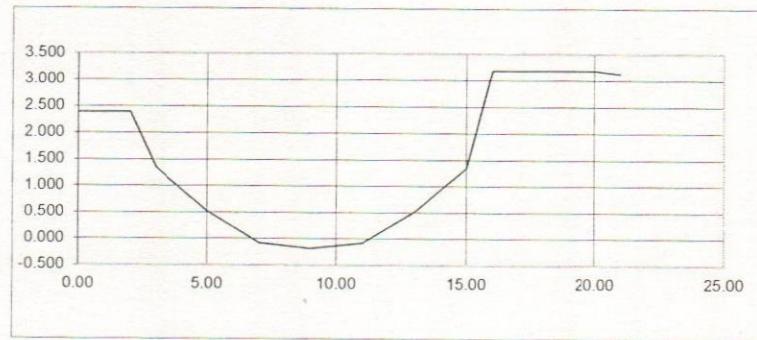
X - Section at km.		
Pre-work		
0.00	3.142	House
5.00	3.214	LB
6.00	2.247	
8.00	1.443	
10.00	0.720	
12.00	0.021	
14.00	-0.082	CL
16.00	0.020	
18.00	0.598	
20.00	1.020	
22.00	1.842	RB
23.00	2.787	
28.00	2.799	
33.00	2.808	
38.00	2.813	House Area



X - Section at km.		1.000
Pre-work		
0.00	3.341	BC Road
4.00	3.346	LB
10.00	3.196	
11.00	2.235	
13.00	1.342	
15.00	0.636	
17.00	0.109	CL
18.00	0.006	
19.00	0.107	
21.00	0.606	
23.00	1.331	
25.00	2.210	RB
26.00	3.097	
30.00	3.104	House



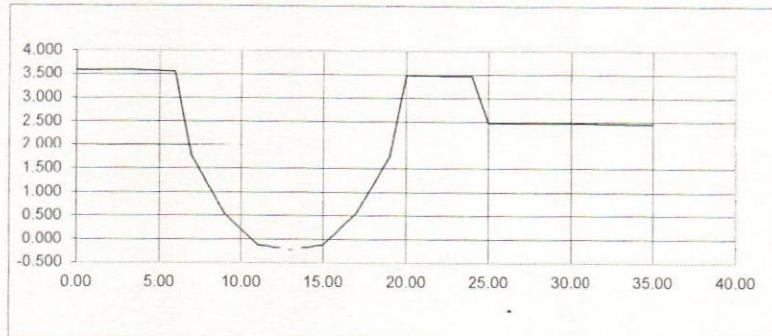
X - Section at km.		1.100
Pre-work		
0.00	2.397	House
2.00	2.390	LB
3.00	1.351	
5.00	0.526	
7.00	-0.080	
9.00	-0.184	CL
11.00	-0.082	
13.00	0.517	
15.00	1.351	
16.00	3.195	RB
20.00	3.200	BC Road
21.00	3.136	House



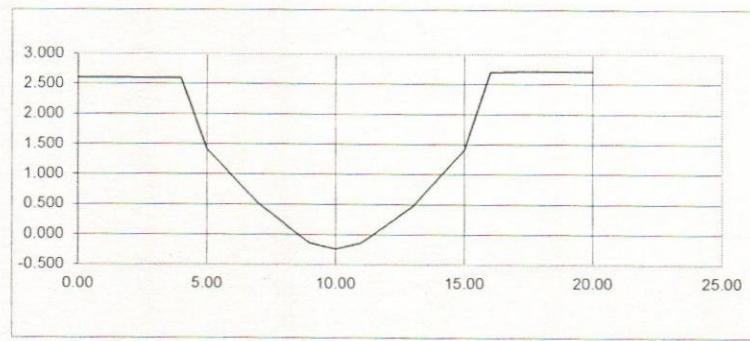
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S

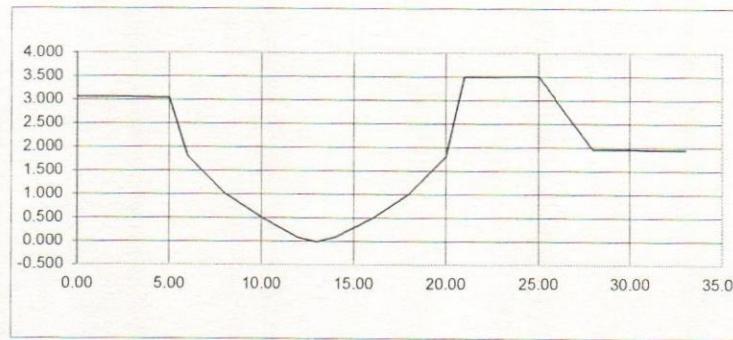
X - Section at km.	1.220
Pre-work	
0.00	3.583
3.00	3.598
6.00	3.555
7.00	1.782
9.00	0.533
11.00	-0.121
13.00	-0.223
15.00	-0.122
17.00	0.566
19.00	1.753
20.00	3.477
24.00	3.464
25.00	2.484
30.00	2.470
35.00	2.455
Garden	



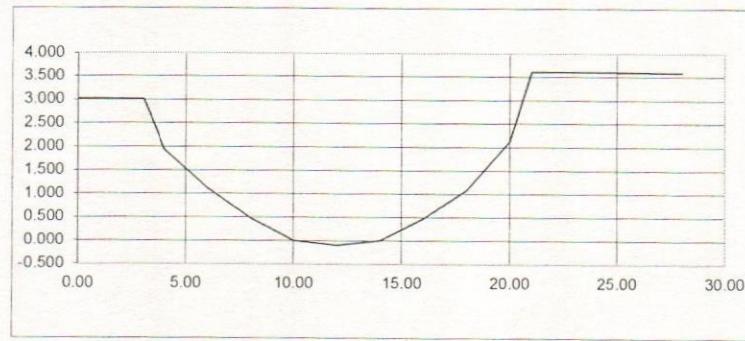
X - Section at km.	1.320
Pre-work	
0.00	2.609
4.00	2.596
5.00	1.417
7.00	0.515
9.00	-0.133
10.00	-0.235
11.00	-0.134
13.00	0.473
15.00	1.411
16.00	2.704
17.00	2.716
20.00	2.716
House	
LB	
CL	
RB	



X - Section at km.	1.420
Pre-work	
0.00	3.055
3.00	3.066
5.00	3.044
6.00	1.812
8.00	1.017
10.00	0.513
12.00	0.093
13.00	-0.006
14.00	0.097
16.00	0.494
18.00	1.010
20.00	1.806
21.00	3.498
25.00	3.507
28.00	1.961
33.00	1.953
Open land	



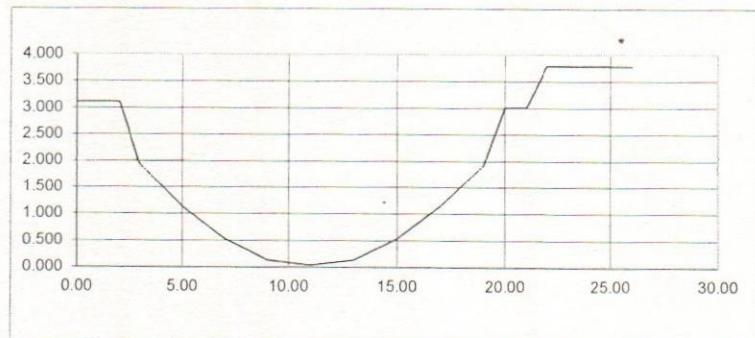
X - Section at km.	1.520
Pre-work	
0.00	3.026
3.00	3.012
4.00	1.933
6.00	1.128
8.00	0.481
10.00	0.003
12.00	-0.099
14.00	0.002
16.00	0.474
18.00	1.082
20.00	2.131
21.00	3.607
25.00	3.602
28.00	3.589
RB	
BC Road	
House	



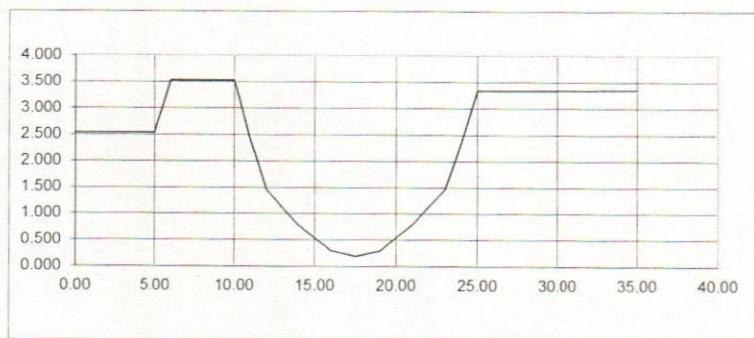
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81

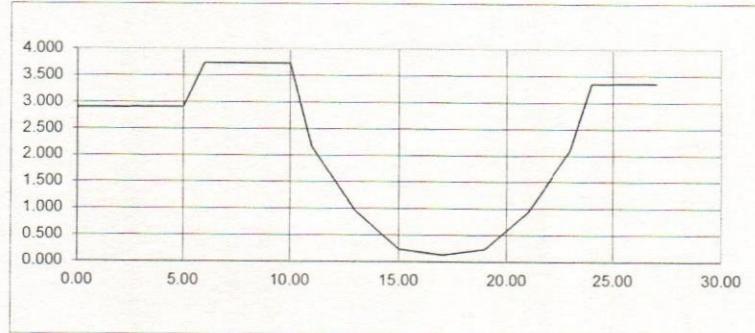
X - Section at km.	1.625
Pre-work	
0.00	3.118 Tin Boundary
2.00	3.113 LB
3.00	1.946
5.00	1.133
7.00	0.538
9.00	0.138
11.00	0.037 CL
13.00	0.139
15.00	0.543
17.00	1.151
19.00	1.919
20.00	3.008 RB
21.00	3.016
22.00	3.792
25.00	3.787 BC Road
26.00	3.780 B.wall



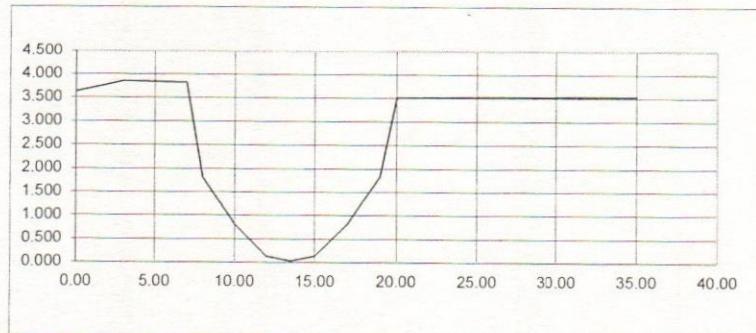
X - Section at km.	1.725
Pre-work	
0.00	2.529 Open land
5.00	2.542
6.00	3.535 BC Road
10.00	3.530 LB
11.00	2.406
12.00	1.450
14.00	0.781
16.00	0.296
17.50	0.194 CL
19.00	0.295
21.00	0.799
23.00	1.463
24.00	2.345
25.00	3.339 RB
30.00	3.346
35.00	3.354 Garden



X - Section at km.	1.825
Pre-work	
0.00	2.905 Home stead
5.00	2.914
6.00	3.736
10.00	3.727 LB
11.00	2.164
13.00	0.963
15.00	0.234
17.00	0.132 CL
19.00	0.235
21.00	0.937
23.00	2.095
24.00	3.350 RB
25.00	3.356 House
27.00	3.356



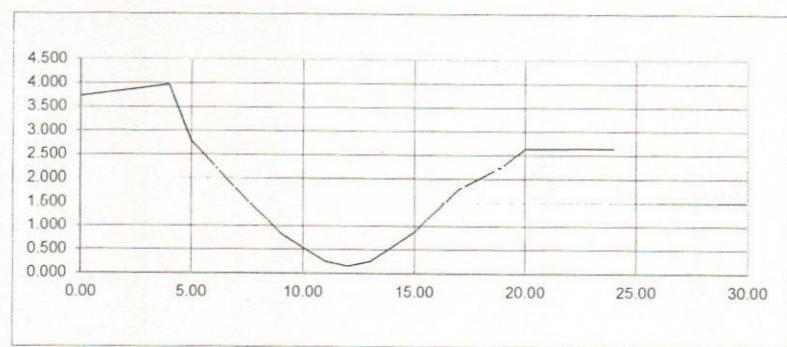
X - Section at km.	1.925
Pre-work	
0.00	3.627 House
3.00	3.853
7.00	3.828 LB
8.00	1.808
10.00	0.811
12.00	0.139
13.50	0.037 CL
15.00	0.138
17.00	0.823
19.00	1.830
20.00	3.507 RB
25.00	3.528
30.00	3.533
35.00	3.541 Garden



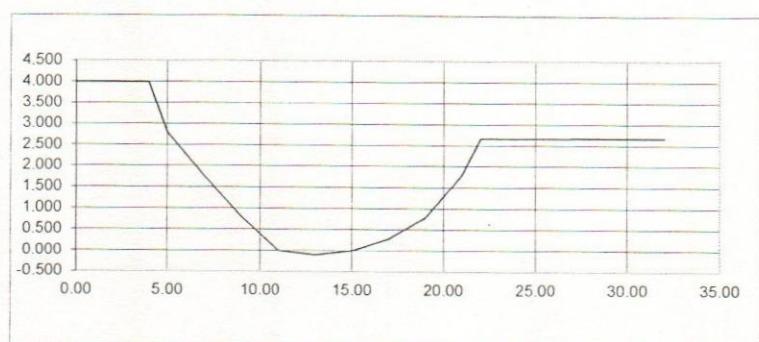
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8

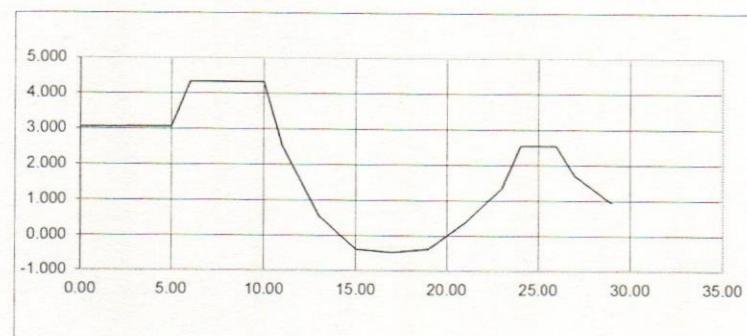
X - Section at km.	2.025
Pre-work	
0.00	3.732
4.00	3.975
5.00	2.788
7.00	1.772
9.00	0.833
11.00	0.254
12.00	0.153
13.00	0.256
15.00	0.878
17.00	1.789
19.00	2.266
20.00	2.632
24.00	2.646
House	
LB	
CL	
RB	
House	



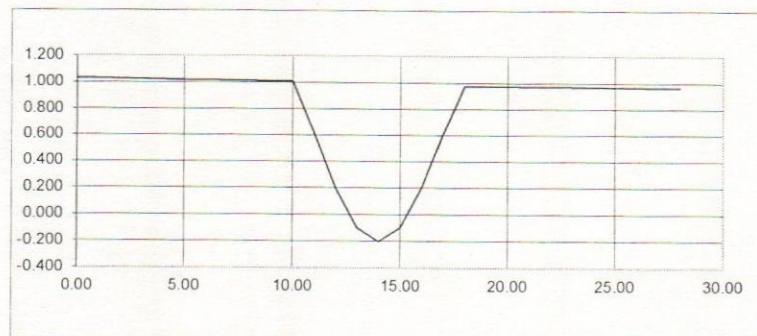
X - Section at km.	2.135
Pre-work	
0.00	4.004
4.00	3.999
5.00	2.798
7.00	1.749
9.00	0.794
11.00	0.001
13.00	-0.100
15.00	0.002
17.00	0.298
19.00	0.784
21.00	1.801
22.00	2.662
27.00	2.669
32.00	2.681
House	
LB	
CL	
RB	
Home stead	



X - Section at km.	2.235
Pre-work	
0.00	3.051
5.00	3.067
6.00	4.334
10.00	4.327
11.00	2.532
13.00	0.556
15.00	-0.374
17.00	-0.473
19.00	-0.372
21.00	0.394
23.00	1.361
24.00	2.543
26.00	2.552
27.00	1.714
29.00	0.953
House Area	
BC Road	
LB	
CL	
RB	
Fisheries	



X - Section at km.	2.340
Pre-work	
0.00	1.033
5.00	1.019
10.00	1.012
11.00	0.612
12.00	0.199
13.00	-0.097
14.00	-0.200
15.00	-0.098
16.00	0.207
17.00	0.603
18.00	0.976
23.00	0.972
28.00	0.967
Paddy land	
LB	
CL	
RB	
Paddy land	

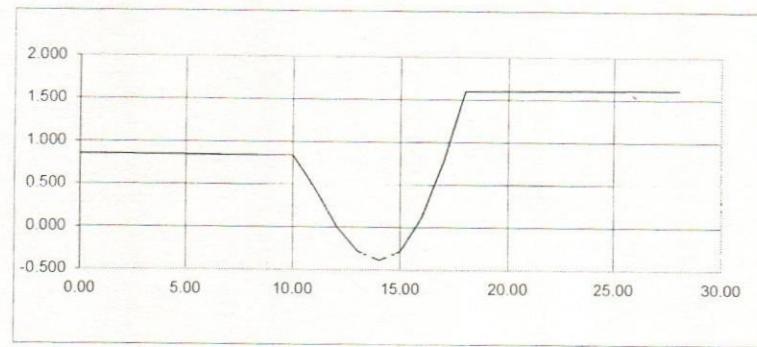


(w)

S

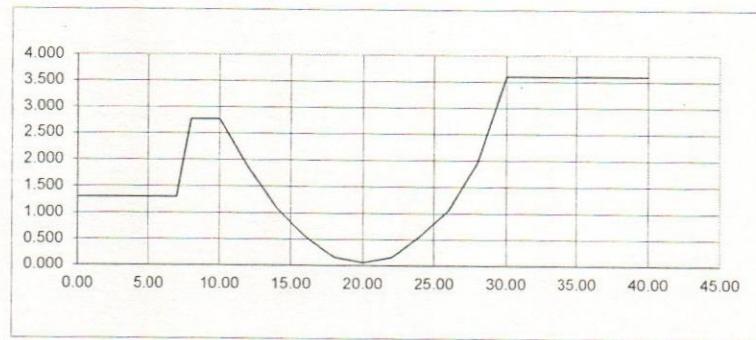
X - Section at km. 2.450
 Pre-work

0.00	0.854	Paddy land
5.00	0.847	
10.00	0.838	LB
11.00	0.463	
12.00	0.014	
13.00	-0.277	
14.00	-0.381	CL
15.00	-0.279	
16.00	0.110	
17.00	0.764	
18.00	1.598	RB
23.00	1.610	
28.00	1.617	Home stead



X - Section at km. 2.525
 Pre-work

0.00	1.305	Khal bank
7.00	1.294	
8.00	2.774	HBB road
10.00	2.769	LB
12.00	1.863	
14.00	1.095	
16.00	0.555	
18.00	0.160	
20.00	0.059	CL
22.00	0.161	
24.00	0.562	
26.00	1.058	
28.00	1.965	
30.00	3.594	RB
35.00	3.599	
40.00	3.604	Khal bank



27/10/24
 (Md. Safiqul Islam Sheikh)

Executive Engineer
 SMO, IDWRM-KT
 Specialized Division

27/10/24
 (Mohammad Zahir Mazhar)

Sub-Divisional Engineer
 SMO, IDWRM-KT
 Specialized Division

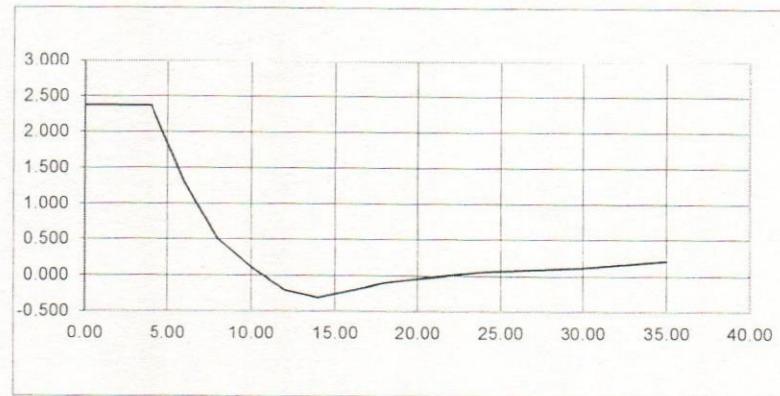
27/10/24
 (Aminul Islam Sohag)

Sub-Asstt. Engineer
 SMO, IDWRM-KT
 Specialized Division

Cross Section of Out fall khal (Pachuria khal) Re-excavation of Char Pathalia khal from km. 0.000 to km. 2.525 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

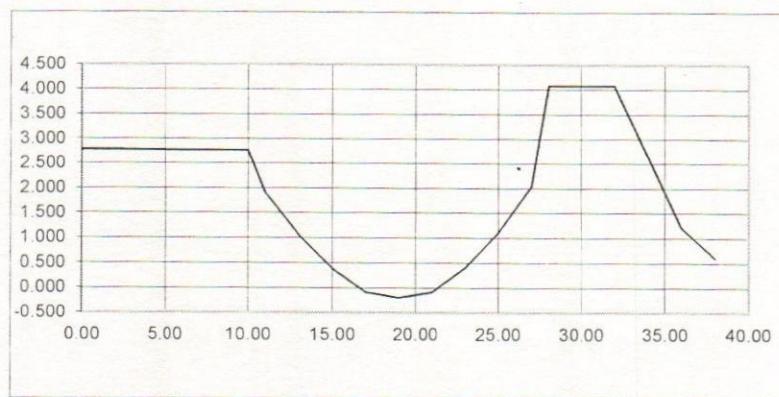
Cross section of Kadar khal along the Char Pathalia khal
Pre-work

0.00	2.383	Housc
4.00	2.374	LB
6.00	1.311	
8.00	0.505	
10.00	0.113	
12.00	-0.199	
14.00	-0.302	CL
16.00	-0.200	
18.00	-0.092	
20.00	-0.037	
22.00	0.013	
24.00	0.059	RB
30.00	0.115	
35.00	0.213	Khal bed



Cross section of Kadar khal 50 US from meeting point of Char Pathalia khal

0.00	2.786	House
5.00	2.774	
10.00	2.768	LB
11.00	1.916	
13.00	1.059	
15.00	0.390	
17.00	-0.087	
19.00	-0.189	
21.00	-0.088	
23.00	0.405	
25.00	1.108	
27.00	2.041	
28.00	4.090	RB
32.00	4.081	BC Road
36.00	1.207	
38.00	0.603	Pond



Cross section of Kadar khal 50 DS from meeting point of Char Pathalia khal

18.00

0.00	1.711	Garden
5.00	1.703	
10.00	1.690	LB
12.00	0.205	
14.00	-0.160	
16.00	-0.250	
18.00	-0.358	
19.00	-0.359	CL
20.00	-0.357	
22.00	0.108	
24.00	0.690	
26.00	1.380	
28.00	2.372	RB
33.00	2.381	
38.00	2.390	Home stead



27/10/24
(Md. Sajiqu Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

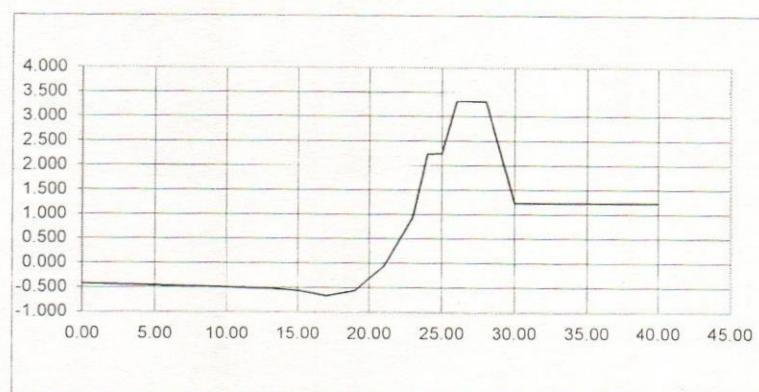
Outfall

Cross Section of Offtake Khal (**Gobra/Sutar khal**) Re-excavation of Char Pathalia khal from km. 0.000 to km. 2.525 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Gobra/Sutar khal along the Char Pathalia khal

Pre-work

0.00	-0.430	Khal Bed
5.00	-0.461	
10.00	-0.497	LB
11.00	-0.511	
13.00	-0.526	
15.00	-0.563	
17.00	-0.666	CL
19.00	-0.564	
21.00	-0.066	
23.00	0.939	
24.00	2.237	RB
25.00	2.243	
26.00	3.319	
28.00	3.310	
30.00	1.237	
35.00	1.229	
40.00	1.229	Paddy land



Cross section of Gobra/Sutar khal 50 DS from meeting point of Char Pathalia khal

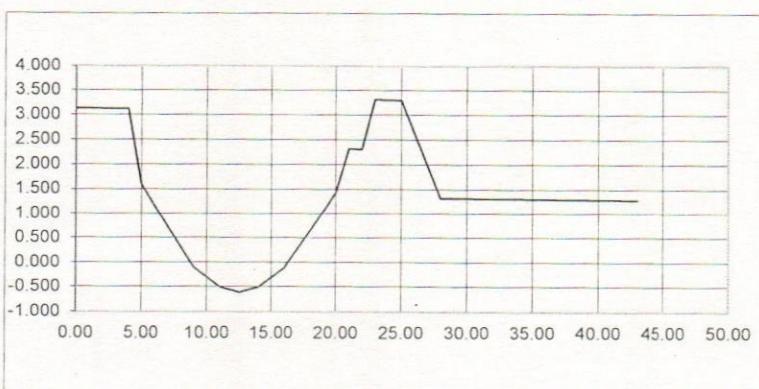
0.00	2.993	Home stead
6.00	2.988	Hbb Road
10.00	2.970	LB
11.00	1.589	
13.00	0.640	
15.00	-0.266	
17.00	-0.772	
18.00	-0.871	CL
19.00	-0.769	
21.00	-0.276	
23.00	0.643	
25.00	1.601	
26.00	3.443	RB
30.00	3.438	
32.00	1.144	
37.00	1.132	
42.00	1.109	Paddy land



Cross section of Gobra/Sutar khal 50 US from meeting point of Char Pathalia khal

Pre-work

0.00	3.130	House
4.00	3.123	LB
5.00	1.591	
7.00	0.732	
9.00	-0.106	
11.00	-0.509	
12.50	-0.611	CL
14.00	-0.510	
16.00	-0.117	
18.00	0.640	
20.00	1.427	
21.00	2.320	RB
22.00	2.309	
23.00	3.310	
25.00	3.303	
28.00	1.320	
33.00	1.31	
38.00	1.30	
43.00	1.29	Paddy land



27/10/24
(Md. Sajiqu Islam Sheikh)

Executive Engineer
SMO, IDWRM-KT
Specialized Division

27/10/24
(Mohammad Zahir Mazhar)

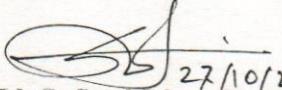
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

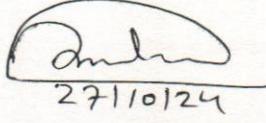
27/10/24
(Aminul Islam Sohag)

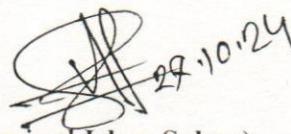
Sub-Asst. Engineer
SMO, IDWRM-KT
Specialized Division

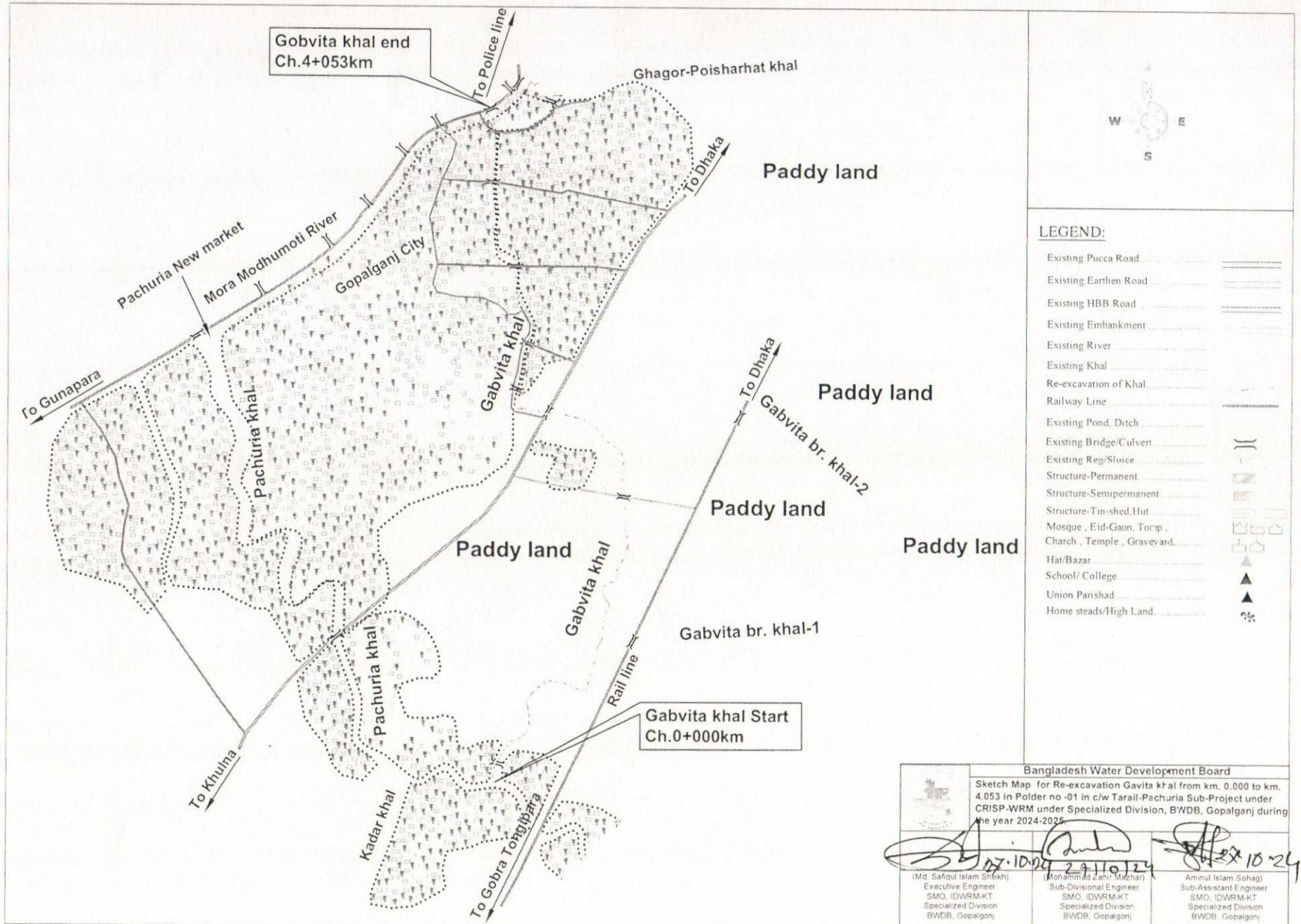
Data Checklist for the Re-excavation of Gabvita khal

1.	Name of the proposed Khal	:	Gabvita khal
2.	Catchments Area	:	450.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.96 m (PWD)
4.	Avg. Ground level of the area	:	0.90 m (PWD)
5.	Length of the Khal	:	4.053km
6.	Bed level of the outfall Khal/River	:	(-) 0.464 (PWD) (Pachuria khal)) it has been proposed for re-excavation at bed level (-) 3.00m.
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	6.00 m
10.	The proposed bed level of the Khal	:	(-) 2.50 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	32.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL- 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.


 27/10/24
(Md. Safiqul Islam Sheikh)
 Executive Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj


 27/10/24
(Mohammad Zahir Mazhar)
 Sub-Divisional Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj

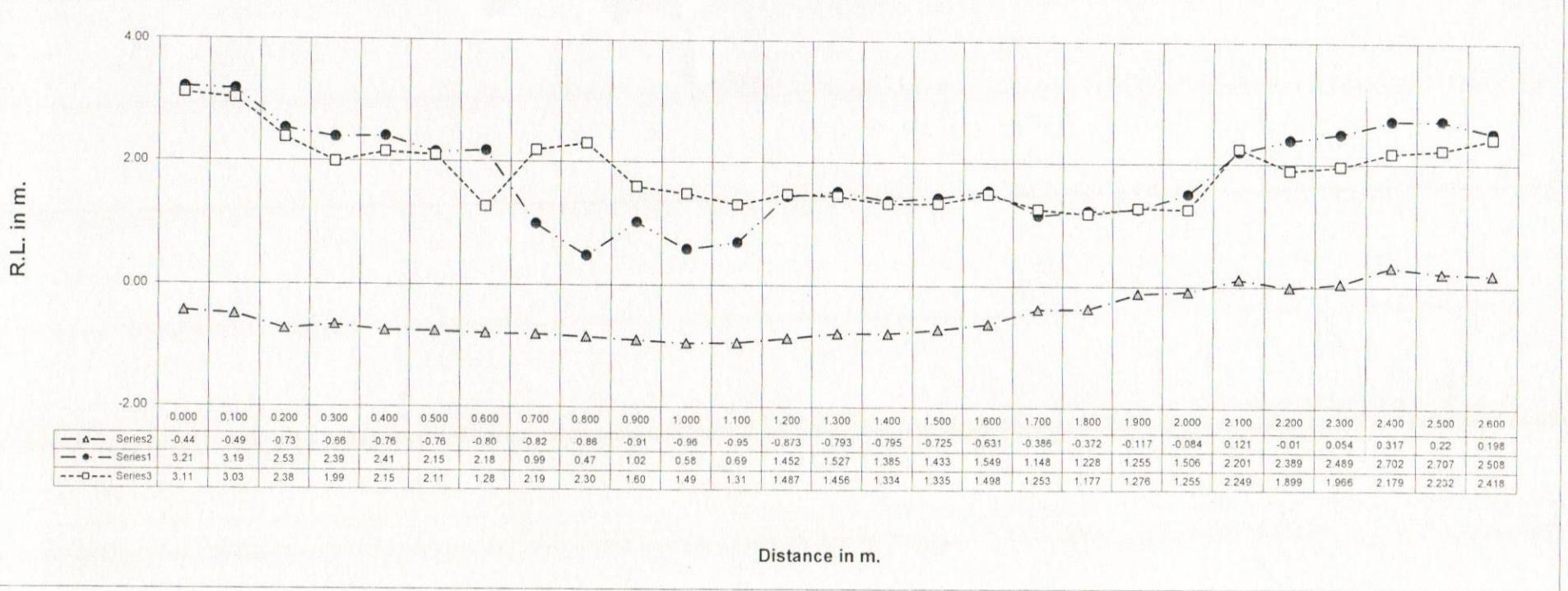

 27/10/24
(Aminul Islam Sohag)
 Sub-Assistant Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj



Ch. Long Section of Gabvita Khal

Dist/Ch(m)	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	2.100	2.200	2.300	2.400	2.500	2.600
C/L R.L.	-0.44	-0.49	-0.73	-0.66	-0.76	-0.76	-0.80	-0.82	-0.86	-0.91	-0.96	-0.95	-0.873	-0.793	-0.8	-0.73	-0.631	-0.386	-0.372	-0.117	-0.084	0.121	-0.01	0.054	0.317	0.22	0.198
L/B.R.L.	3.21	3.19	2.53	2.39	2.41	2.15	2.18	0.99	0.47	1.02	0.58	0.69	1.452	1.527	1.39	1.433	1.549	1.148	1.228	1.255	1.506	2.201	2.389	2.489	2.702	2.707	2.508
R/B.R.L.	3.11	3.03	2.38	1.99	2.15	2.11	1.28	2.19	2.30	1.60	1.49	1.31	1.487	1.456	1.33	1.335	1.498	1.253	1.177	1.276	1.255	2.249	1.899	1.966	2.179	2.232	2.418

Long Section for re-excavation of Gabvita Khal



BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation Gavita khal from km. 0.000 to km. 4.053 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

27/10/24

(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

27/10/24

(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

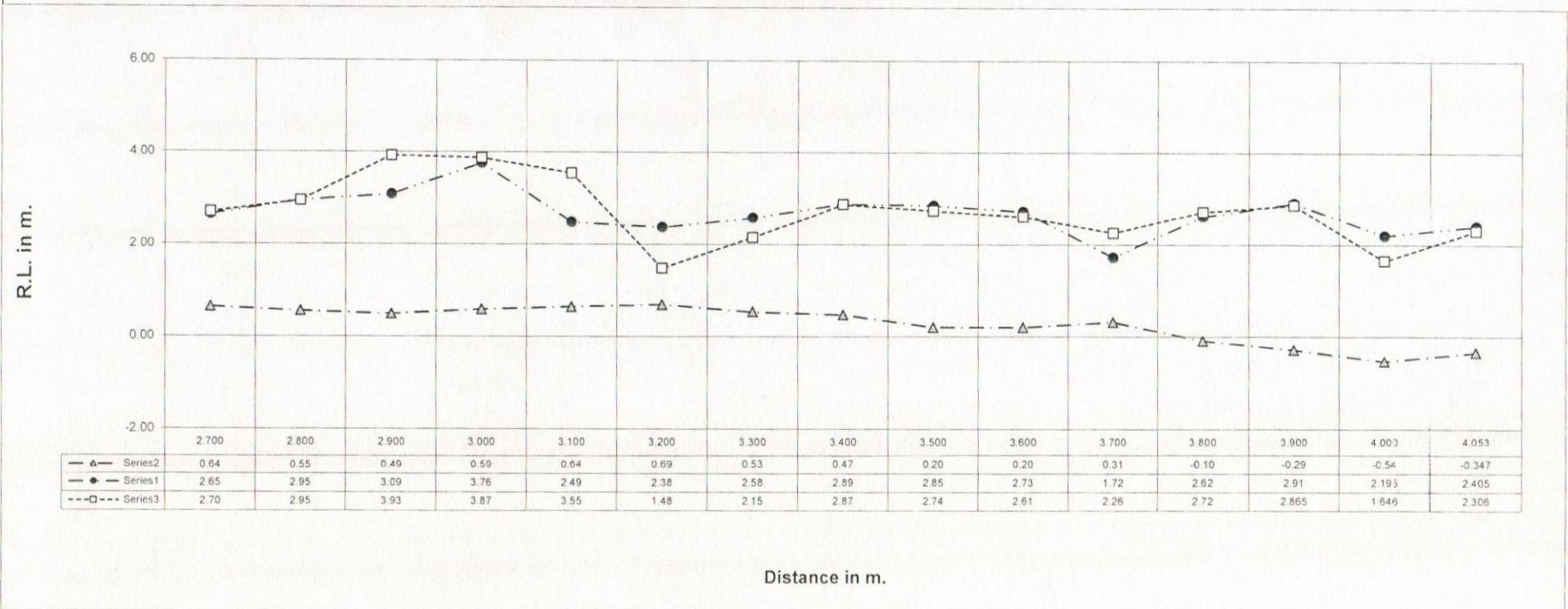
27/10/24

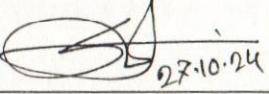
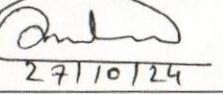
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

Ch. Long Section of Gabvita Khal

Dist/Ch(m)	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
C/L R.L.	0.64	0.55	0.49	0.59	0.64	0.69	0.53	0.47	0.20	0.20	0.31	-0.10	-0.29	-0.54	-0.35
L/BR.L.	2.65	2.95	3.09	3.76	2.49	2.38	2.58	2.89	2.85	2.73	1.72	2.62	2.91	2.195	2.405
R/B R.L.	2.70	2.95	3.93	3.87	3.55	1.48	2.15	2.87	2.74	2.61	2.26	2.72	2.865	1.646	2.306

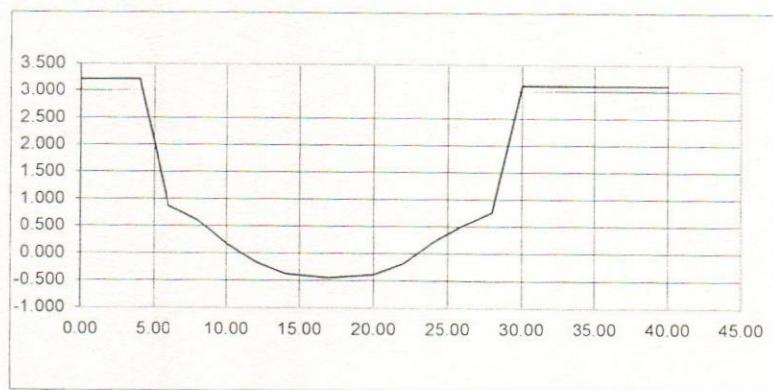
Long Section for re-excavation of Gabvita Khal



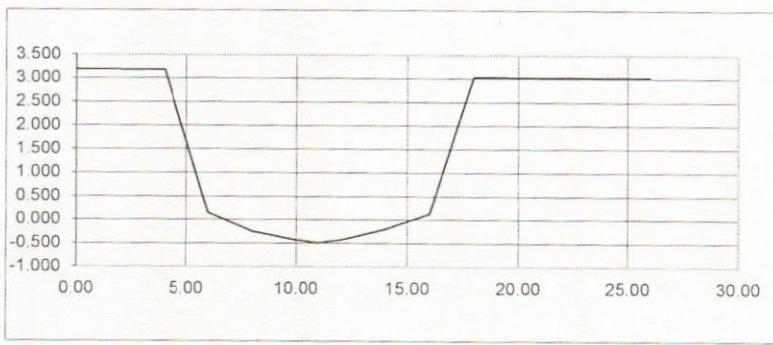
BANGLADESH WATER DEVELOPMENT BOARD		
Long Section for Re-excavation Gabvita khal from km. 0.000 to km. 4.053 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.		
 27.10.24		
(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Aminul Islam Sohag) Sub-Asstt. Engineer SMC, IDWRM-KT Specialized Division BWDB, Gopalganj
 27.10.24		
 27.10.24		

Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

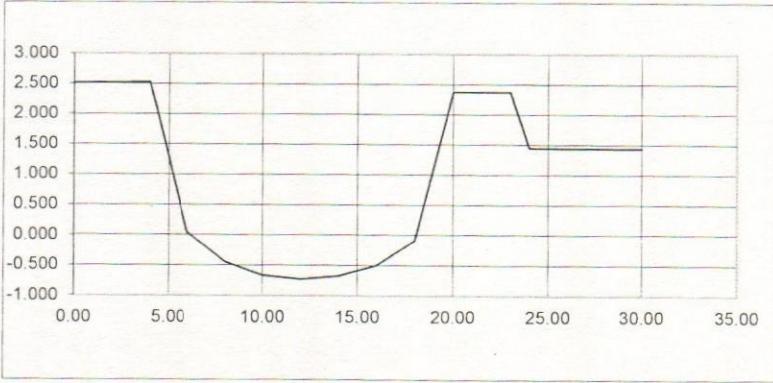
X - Section at km.	0.000
Pre-work	
0.00	3.209
4.00	3.214
6.00	0.875
8.00	0.614
10.00	0.175
12.00	-0.160
14.00	-0.376
17.00	-0.440
20.00	-0.385
22.00	-0.186
24.00	0.214
26.00	0.514
28.00	0.760
30.00	3.114
35.00	3.105
40.00	3.100
Garden	



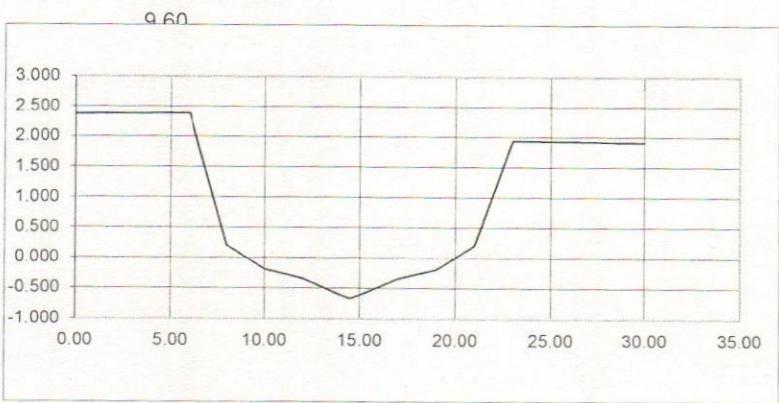
X - Section at km.	0.100
Pre-work	
0.00	3.192
4.00	3.187
6.00	0.147
8.00	-0.238
10.00	-0.430
11.00	-0.488
12.00	-0.432
14.00	-0.199
16.00	0.127
18.00	3.032
21.00	3.027
26.00	3.027
HBB road	



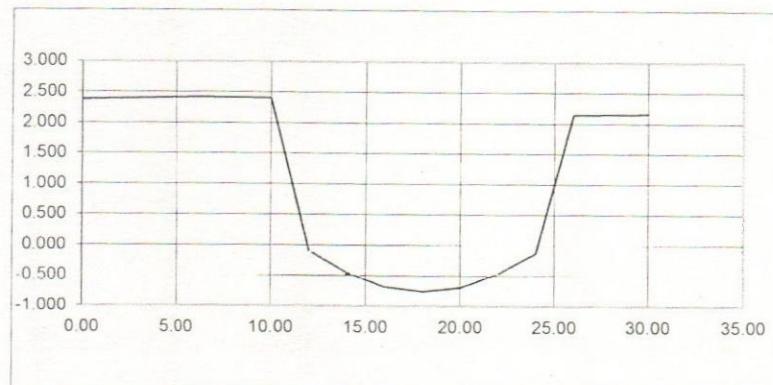
X - Section at km.	0.200
Pre-work	
0.00	2.516
4.00	2.527
6.00	0.047
8.00	-0.439
10.00	-0.666
12.00	-0.728
14.00	-0.673
16.00	-0.493
18.00	-0.087
20.00	2.378
23.00	2.377
24.00	1.447
30.00	1.437
Poen land	



X - Section at km.	0.300
Pre-work	
0.00	2.377
2.00	2.383
6.00	2.388
8.00	0.207
10.00	-0.187
12.00	-0.338
14.00	-0.607
14.50	-0.661
15.00	-0.608
17.00	-0.339
19.00	-0.192
21.00	0.208
23.00	1.941
26.00	1.928
30.00	1.908
RB	
HBB ropad	
Open land	



X - Section at km.	0.400
Pre-work	
0.00	2.379
6.00	2.418
10.00	2.408
12.00	-0.092
14.00	-0.446
16.00	-0.686
18.00	-0.756
20.00	-0.692
22.00	-0.458
24.00	-0.131
26.00	2.153
29.00	2.159
30.00	2.164
	B.wall



X - Section at km.	0.500
Pre-work	
0.00	0.942
5.00	1.047
6.00	2.141
10.00	2.153
12.00	-0.268
14.00	-0.514
16.00	-0.708
17.00	-0.763
18.00	-0.718
20.00	-0.529
22.00	-0.270
24.00	2.105
27.00	2.102
28.00	2.096
29.00	2.096
	House



X - Section at km.	0.600
Pre-work	
0.00	2.171
4.00	2.180
6.00	-0.220
8.00	-0.562
10.00	-0.720
12.00	-0.796
14.00	-0.734
16.00	-0.520
18.00	-0.234
20.00	1.276
22.00	1.331
26.00	2.275
29.00	2.271
	HBB road



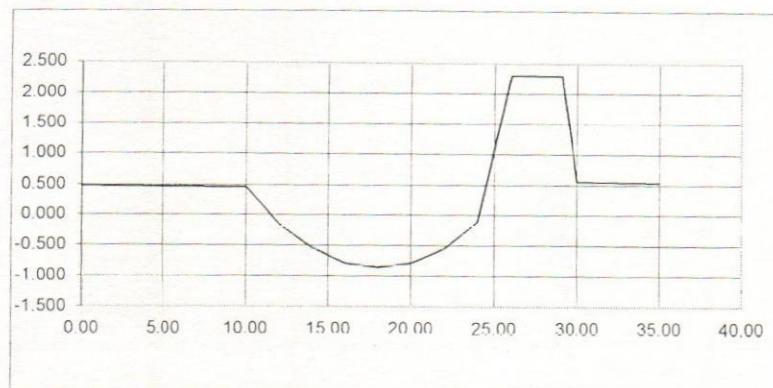
X - Section at km.	0.700
Pre-work	
0.00	0.998
5.00	0.993
10.00	0.988
12.00	-0.292
14.00	-0.543
16.00	-0.757
17.00	-0.815
18.00	-0.750
20.00	-0.544
22.00	-0.317
24.00	2.193
27.00	2.194
28.00	2.198
	B.wall



(C)

(S)

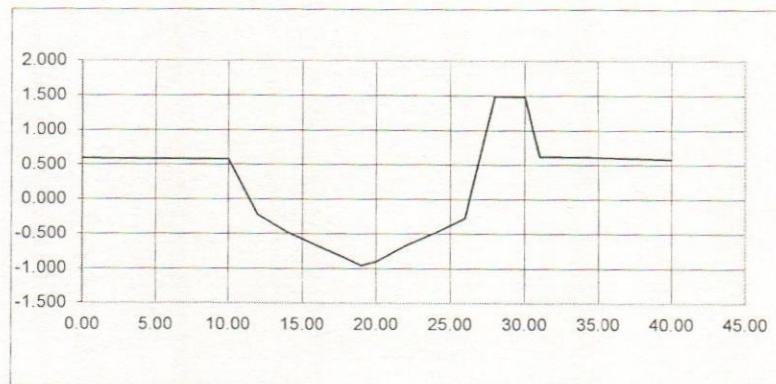
X - Section at km.	0.800
Pre-work	
0.00	0.483
5.00	0.476
10.00	0.471
12.00	-0.154
14.00	-0.529
16.00	-0.785
18.00	-0.857
20.00	-0.784
22.00	-0.546
24.00	-0.113
26.00	2.301
29.00	2.296
30.00	0.564
35.00	0.546
Paddy land	
LB	
CL	
HBB road	



X - Section at km.	0.900
Pre-work	
0.00	1.029
5.00	1.024
10.00	1.019
12.00	-0.216
14.00	-0.433
16.00	-0.665
18.00	-0.832
19.00	-0.908
20.00	-0.846
22.00	-0.663
24.00	-0.432
26.00	-0.209
28.00	1.602
30.00	1.601
31.00	-0.137
33.00	-0.532
35.00	-0.686
Ditch	
Paddy land	
LB	
CL	
RB	



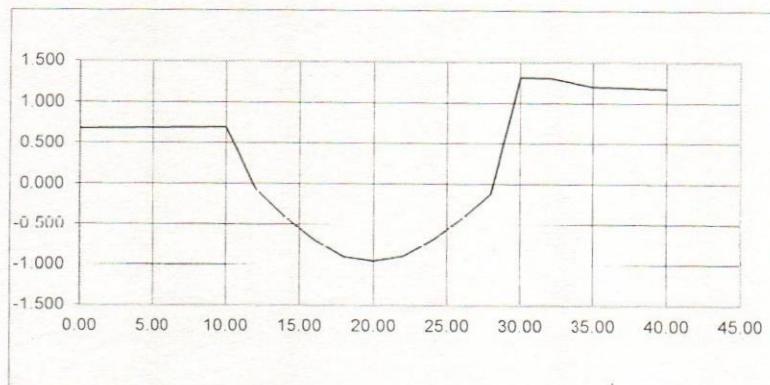
X - Section at km.	1.000
Pre-work	
0.00	0.591
5.00	0.586
10.00	0.581
12.00	-0.224
14.00	-0.477
16.00	-0.670
18.00	-0.859
19.00	-0.959
20.00	-0.900
22.00	-0.671
24.00	-0.484
26.00	-0.270
28.00	1.491
30.00	1.486
31.00	0.625
34.00	0.621
40.00	0.586
Paddy land	
LB	
CL	
RB	



(W)

(S)

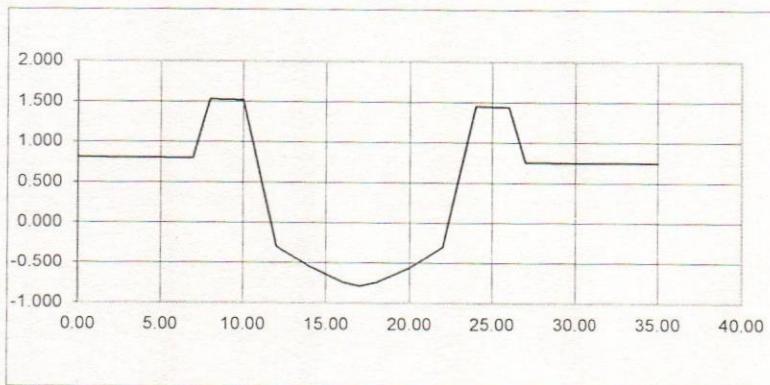
X - Section at km.	1.100
Pre-work	
0.00	0.678
5.00	0.688
10.00	0.693
12.00	-0.058
14.00	-0.407
16.00	-0.691
18.00	-0.898
20.00	-0.947
22.00	0.891
24.00	-0.092
26.00	-0.432
28.00	-0.112
30.00	1.313
32.00	1.308
35.00	1.203
40.00	1.178
X - Section at km.	1.200
Pre-work	
0.00	0.792
7.00	0.787
8.00	1.457
10.00	1.452
12.00	-0.293
14.00	-0.544
16.00	-0.814
18.00	-0.873
20.00	-0.811
22.00	-0.553
24.00	-0.288
26.00	1.487
28.00	1.482
29.00	0.757
30.00	0.742
35.00	0.737
X - Section at km.	1.300
Pre-work	
0.00	0.807
7.00	0.802
8.00	1.532
10.00	1.527
12.00	-0.293
14.00	-0.544
16.00	-0.741
17.00	-0.793
18.00	-0.744
20.00	-0.558
22.00	-0.294
24.00	1.456
26.00	1.441
27.00	0.756
30.00	0.752
35.00	0.747
X - Section at km.	1.400
Pre-work	
0.00	0.730
6.00	0.729
7.00	1.390
10.00	1.385
12.00	-0.066
14.00	-0.366
16.00	-0.706
17.00	-0.795
18.00	-0.700
20.00	-0.505
22.00	-0.220
24.00	1.334
27.00	1.320
28.00	0.634
35.00	0.630



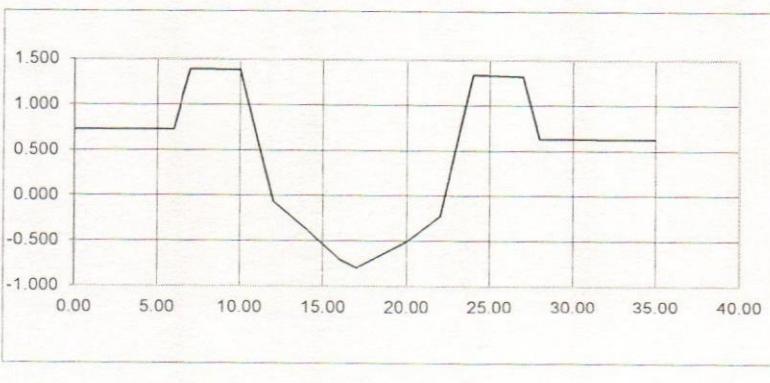
6.93



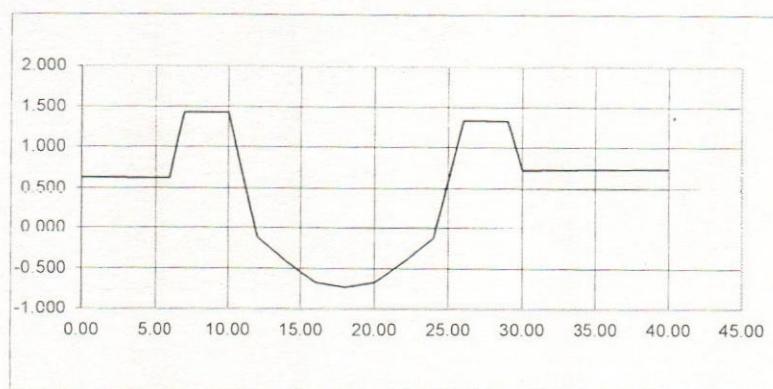
9.05



7.33



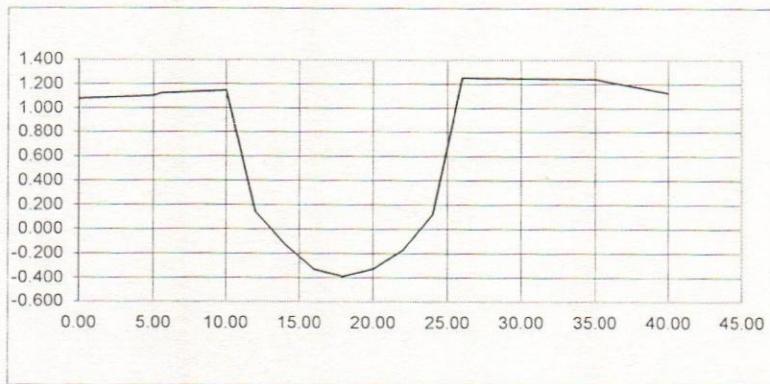
X - Section at km.	1.500
Pre-work	
0.00	0.630
6.00	0.625
7.00	1.432
10.00	1.433
12.00	-0.120
14.00	-0.415
16.00	-0.667
18.00	-0.725
20.00	-0.666
22.00	-0.410
24.00	-0.123
26.00	1.335
29.00	1.330
30.00	0.729
35.00	0.735
40.00	0.740
Paddy land	



X - Section at km.	1.600
Pre-work	
0.00	1.514
5.00	1.534
10.00	1.549
12.00	0.198
14.00	-0.102
16.00	-0.346
18.00	-0.572
19.00	-0.631
20.00	-0.576
22.00	-0.356
24.00	-0.156
26.00	0.165
28.00	1.498
30.00	1.444
35.00	1.424
40.00	1.404
Paddy land	



X - Section at km.	1.700
Pre-work	
0.00	1.077
5.00	1.103
5.50	1.123
10.00	1.148
12.00	0.144
14.00	-0.123
16.00	-0.330
18.00	-0.386
20.00	-0.327
22.00	-0.172
24.00	0.123
26.00	1.253
30.00	1.248
35.00	1.243
40.00	1.128
Paddy land	



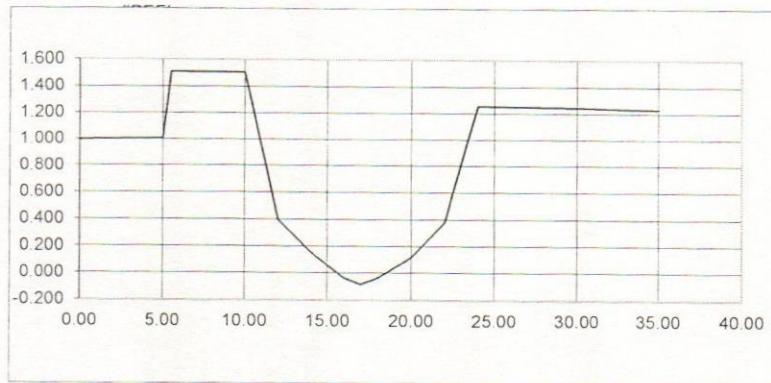
X - Section at km.	1.800
Pre-work	
0.00	0.623
5.00	0.638
5.50	1.223
10.00	1.228
12.00	0.123
14.00	-0.023
16.00	-0.256
18.00	-0.372
20.00	-0.273
22.00	-0.097
24.00	0.123
26.00	1.177
30.00	1.173
30.50	0.628
35.00	0.633
40.00	0.638
Paddy land	



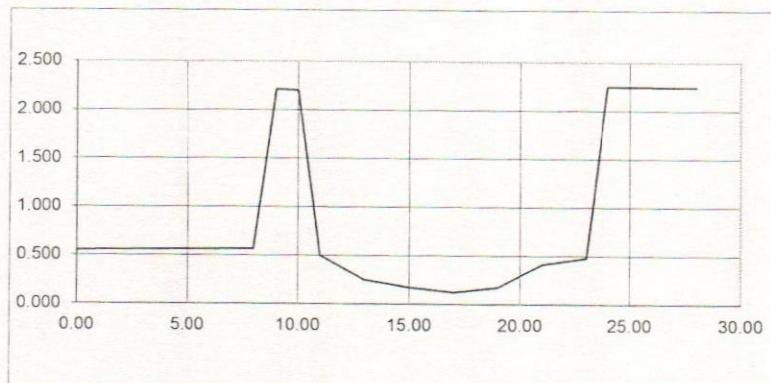
X - Section at km.	1.900
Pre-work	
0.00	0.868
5.00	0.871
5.50	1.251
10.00	1.255
12.00	0.301
14.00	0.111
16.00	-0.055
17.00	-0.119
18.00	-0.052
20.00	0.155
22.00	0.281
24.00	1.276
26.00	1.281
30.00	1.286
	House side



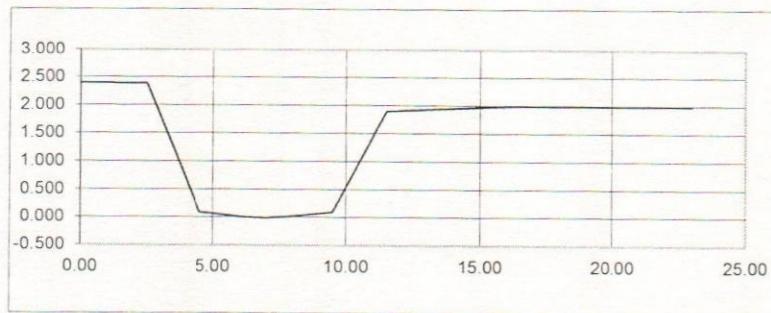
X - Section at km.	2.000
Pre-work	
0.00	1.001
5.00	1.006
5.50	1.511
10.00	1.506
12.00	0.400
14.00	0.155
16.00	-0.036
17.00	-0.084
18.00	-0.035
20.00	0.116
22.00	0.381
24.00	1.255
30.00	1.246
35.00	1.231
	Paddy land



X - Section at km.	2.100
Pre-work	
0.00	0.551
5.00	0.560
8.00	0.565
9.00	2.210
10.00	2.201
11.00	0.501
13.00	0.250
15.00	0.173
17.00	0.121
19.00	0.176
21.00	0.410
23.00	0.476
24.00	2.249
28.00	2.245
	BC road



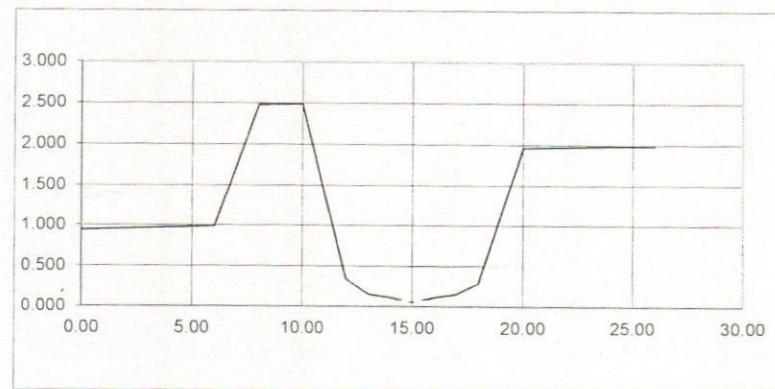
X - Section at km.	2.200
Pre-work	
0.00	2.395
2.50	2.389
4.50	0.090
6.00	0.005
7.00	-0.010
8.00	0.019
9.50	0.085
11.50	1.899
15.50	1.985
16.00	1.994
23.00	1.994
	B.wall



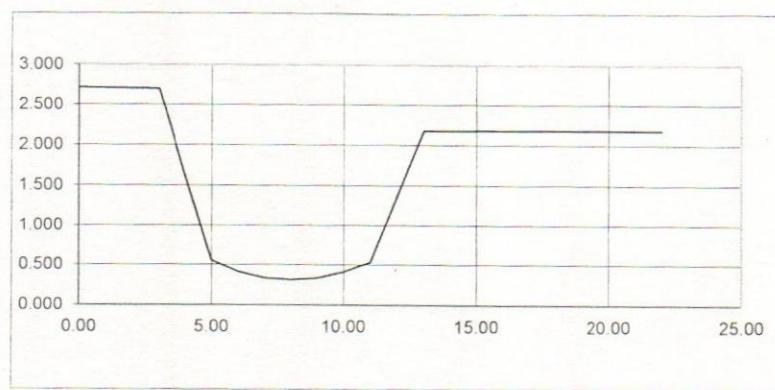
(a)

(b)

X - Section at km.	2.300
Pre-work	
0.00	0.939
6.00	0.989
8.00	2.484
10.00	2.489
12.00	0.343
13.00	0.153
14.00	0.112
15.00	0.054
16.00	0.113
17.00	0.152
18.00	0.289
20.00	1.966
25.00	1.989
26.00	1.989



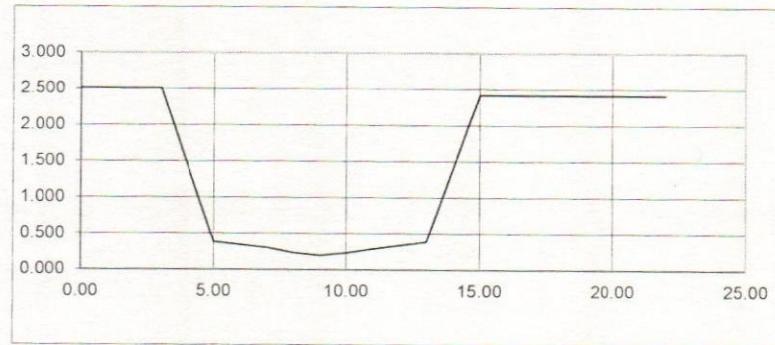
X - Section at km.	2.400
Pre-work	
0.00	2.719
0.58	2.712
3.00	2.702
5.00	0.551
6.00	0.416
7.00	0.337
8.00	0.317
9.00	0.335
10.00	0.415
11.00	0.532
13.00	2.179
17.00	2.187
18.00	2.187
22.00	2.187



X - Section at km.	2.500
Pre-work	
0.00	2.767
8.00	2.762
10.00	2.707
12.00	0.417
14.00	0.327
15.00	0.254
16.00	0.220
17.00	0.247
18.00	0.332
20.00	1.416
22.00	2.232
27.00	2.227
28.00	2.222



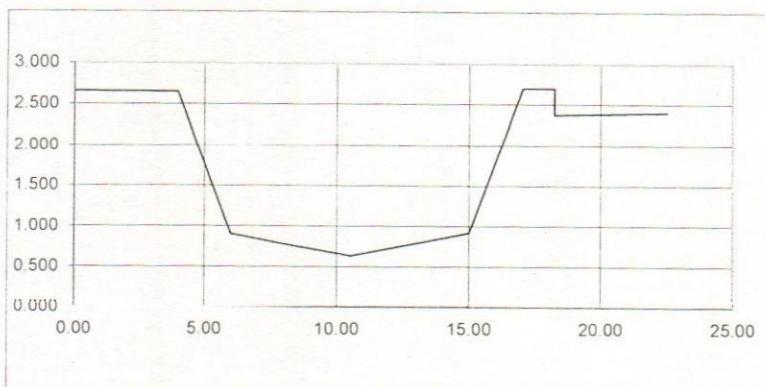
X - Section at km.	2.600
Pre-work	
0.00	2.513
3.00	2.508
5.00	0.383
7.00	0.303
8.00	0.233
9.00	0.198
10.00	0.236
11.00	0.291
13.00	0.388
15.00	2.418
17.00	2.416
22.00	2.416



C

S

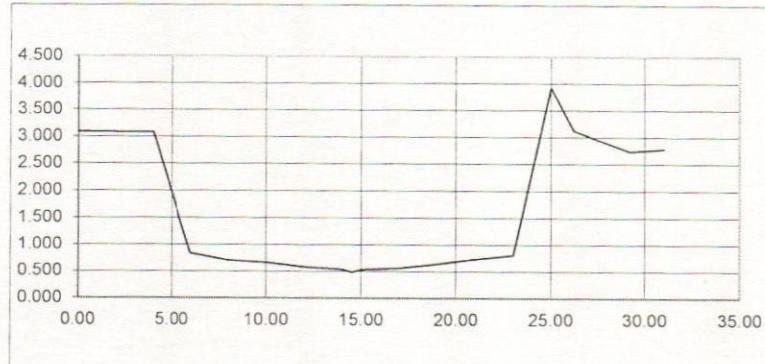
X - Section at km.	2.700
Pre-work	
0.00	2.663
4.00	2.652
6.00	0.903
8.00	0.783
10.00	0.666
10.50	0.638
11.00	0.667
13.00	0.793
15.00	0.918
17.00	2.700
18.20	2.701
18.20	2.371
22.50	2.403
RCC road	
RLB	
CL	
RB	
BC road	
B.wall	



X - Section at km.	2.800
Pre-work	
0.00	2.945
4.00	2.951
6.00	0.785
8.00	0.705
10.00	0.649
11.00	0.579
11.50	0.549
12.00	0.588
13.00	0.640
15.00	0.718
17.00	0.779
19.00	2.949
20.20	2.948
22.00	2.825
25.00	2.860
House	
LB	
CL	
RB	
BC road	
B.wall	



X - Section at km.	2.900
Pre-work	
0.00	3.090
4.00	3.085
6.00	0.835
8.00	0.705
10.00	0.665
12.00	0.579
14.00	0.535
14.50	0.485
15.00	0.530
17.00	0.565
19.00	0.640
21.00	0.725
23.00	0.805
25.00	3.925
26.20	3.124
29.20	2.740
31.00	2.785
B.wall	
LB	
CL	
RB	
BC road	
B.wall	



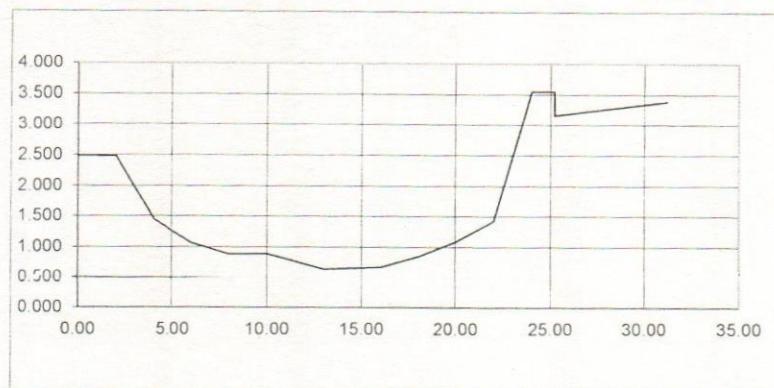
X - Section at km.	3.000
Pre-work	
0.00	3.777
2.00	3.770
6.00	3.760
8.00	1.120
10.00	1.074
12.00	0.800
14.00	0.700
16.00	0.633
17.00	0.585
18.00	0.634
20.00	0.708
22.00	0.825
22.00	1.020
26.00	1.100
28.00	3.874
29.20	3.873
29.20	3.374
34.00	3.460
House	
RCC road	
LB	
CL	
RB	
BC road	
B.wall	



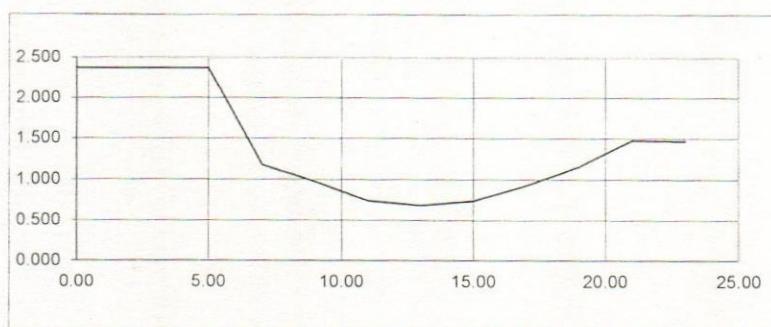
(C)

8

X - Section at km.	3.100
Pre-work	
0.00	2.492
2.00	2.487
4.00	1.453
6.00	1.072
8.00	0.886
10.00	0.887
13.00	0.637
16.00	0.672
18.00	0.842
20.00	1.086
22.00	1.432
24.00	3.547
25.20	3.546
25.20	3.161
31.20	3.386
BC road	
B.wall	



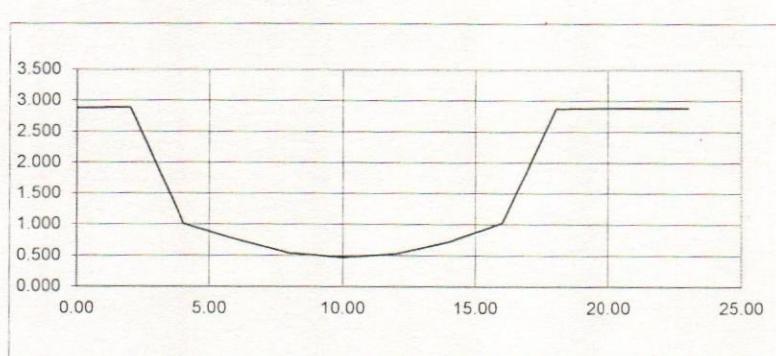
X - Section at km.	3.200
Pre-work	
0.00	2.372
5.00	2.376
7.00	1.176
9.00	0.976
11.00	0.743
13.00	0.687
15.00	0.742
17.00	0.932
19.00	1.162
21.00	1.476
23.00	1.467
RB	
House	



X - Section at km.	3.300
Pre-work	
0.00	2.591
2.00	2.582
4.00	0.982
6.00	0.821
8.00	0.587
9.00	0.532
10.00	0.588
12.00	0.807
14.00	1.010
16.00	2.147
20.00	2.157
25.00	2.171
House area	



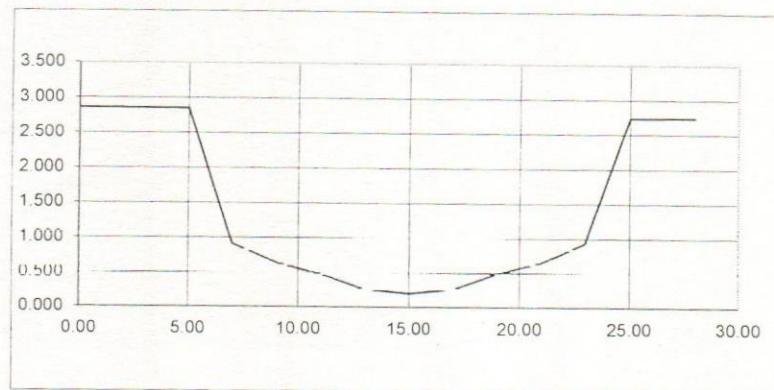
X - Section at km.	3.400
Pre-work	
0.00	2.882
2.00	2.887
4.00	1.007
6.00	0.761
8.00	0.537
10.00	0.472
12.00	0.528
14.00	0.722
16.00	1.027
18.00	2.872
20.00	2.882
23.00	2.882
RB	
House	



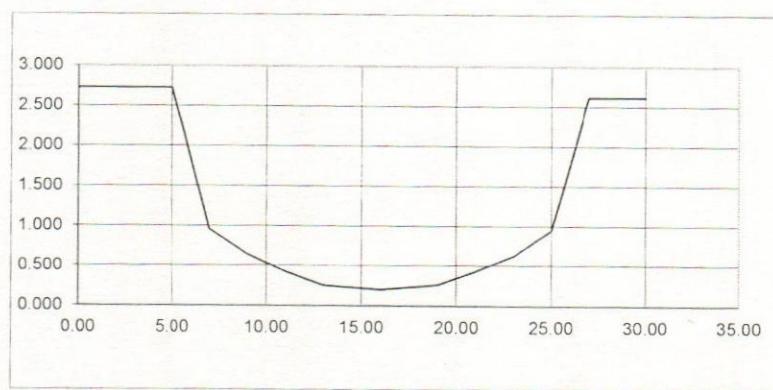
(a)

(b)

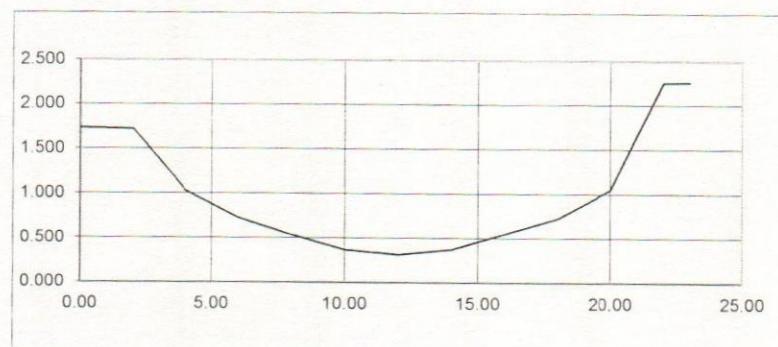
X - Section at km.	3.500
Pre-work	
0.00	2.862
4.00	2.857
5.00	2.852
7.00	0.917
9.00	0.642
11.00	0.477
13.00	0.258
15.00	0.202
17.00	0.264
19.00	0.491
21.00	0.658
23.00	0.937
25.00	2.742
28.00	2.747
	House
	BC road
	LB
	CL
	RB



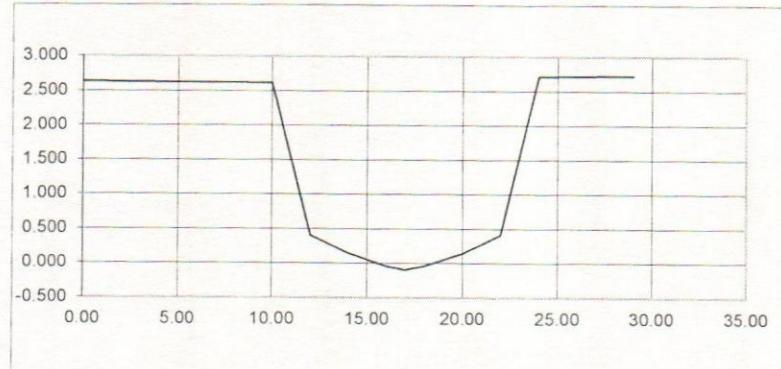
X - Section at km.	3.600
Pre-work	
0.00	2.732
4.00	2.727
5.00	2.725
7.00	0.958
9.00	0.648
11.00	0.423
13.00	0.253
16.00	0.203
19.00	0.262
21.00	0.429
23.00	0.623
25.00	0.948
27.00	2.613
30.00	2.618
	House
	BC road
	LB
	CL
	RB



X - Section at km.	3.700
Pre-work	
0.00	1.733
2.00	1.723
4.00	1.033
6.00	0.727
8.00	0.533
10.00	0.369
12.00	0.313
14.00	0.371
16.00	0.549
18.00	0.728
20.00	1.049
22.00	2.257
23.00	2.263
	House
	BC road
	LB
	CL
	RB



X - Section at km.	3.800
Pre-work	
0.00	2.637
5.00	2.628
10.00	2.618
12.00	0.408
14.00	0.148
16.00	-0.043
17.00	-0.096
18.00	-0.042
20.00	0.143
22.00	0.413
24.00	2.718
28.00	2.728
29.00	2.728
	House area
	LB
	CL
	RB

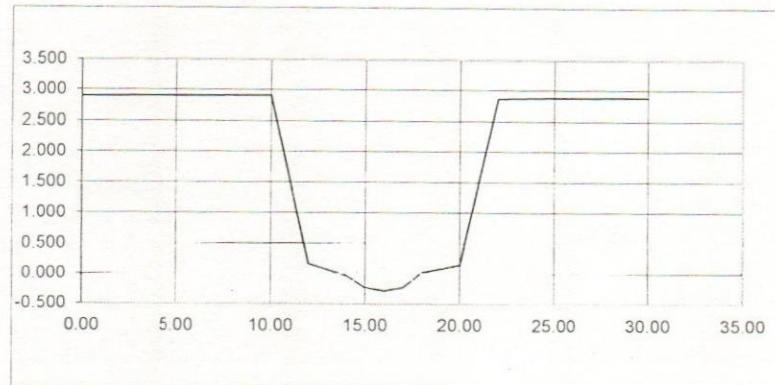


(C)

8

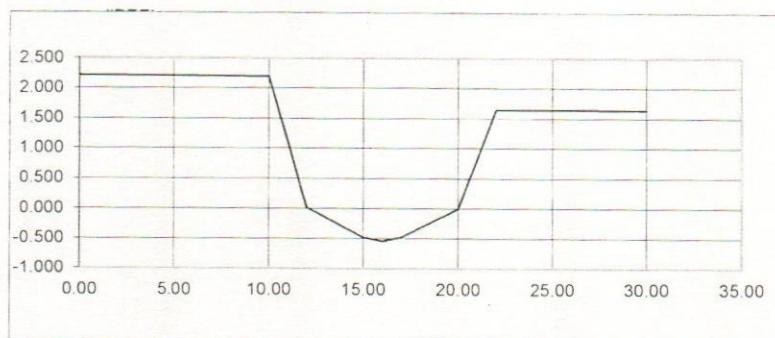
X - Section at km. 3.900

Pre-work		
0.00	2.895	Shop
5.00	2.900	
10.00	2.910	LB
12.00	0.165	
14.00	-0.035	
15.00	-0.234	
16.00	-0.290	CL
17.00	-0.230	
18.00	0.019	
20.00	0.148	
22.00	2.865	RB
25.00	2.880	
30.00	2.885	Shop



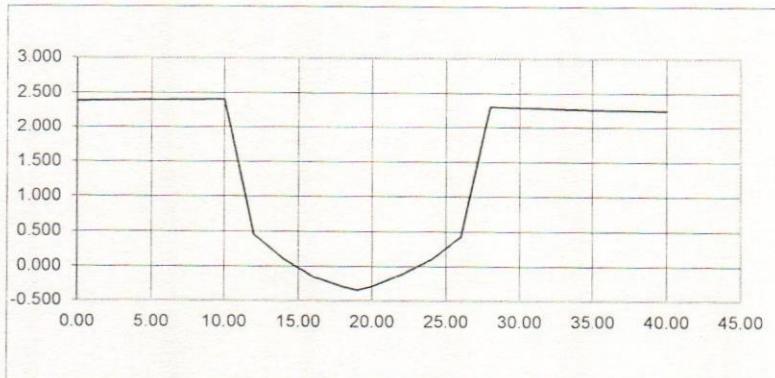
X - Section at km. 4.000

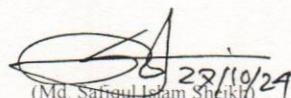
Pre-work		
0.00	2.210	House area
5.00	2.205	
10.00	2.195	LB
12.00	0.020	
14.00	-0.315	
15.00	-0.481	
16.00	-0.540	CL
17.00	-0.483	
18.00	-0.315	
20.00	-0.006	
22.00	1.646	RB
25.00	1.650	
30.00	1.644	House area



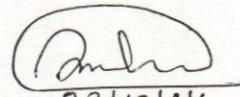
X - Section at km. 4.053

Pre-work		
0.00	2.382	Road slope
5.00	2.397	
10.00	2.405	LB
12.00	0.452	
14.00	0.105	
16.00	-0.153	
18.00	-0.295	
19.00	-0.347	CL
20.00	-0.294	
22.00	-0.118	
24.00	0.106	
26.00	0.432	
28.00	2.306	RB
35.00	2.267	
40.00	2.249	Road slope



 28/10/24
(Md. Sahiqu Islam Sheikhi)

Executive Engineer
SMO, IDWRM-KT
Specialized Division

 27/10/24
(Mohammad Zahir Mazhar)

Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

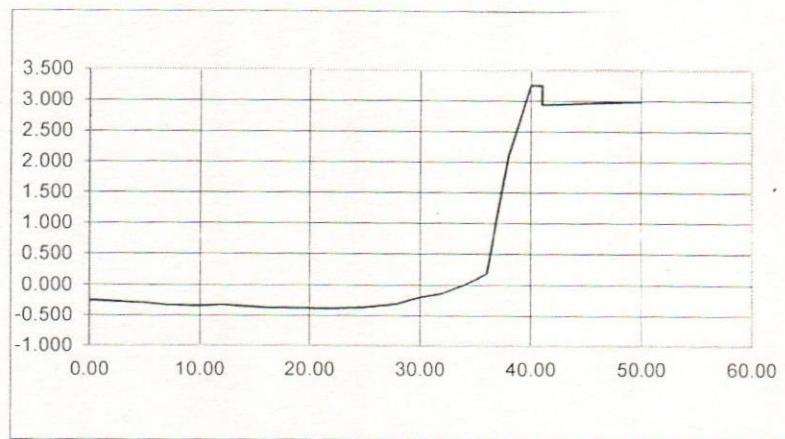
 27/10/24
(Aminul Islam Sohag)
Sub-Asst. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of outfall river (Pachuria khal) Re-excavation Gabita khal from km. 0.000 to km. 4.053 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Pachuria khal along the Gabvita khal

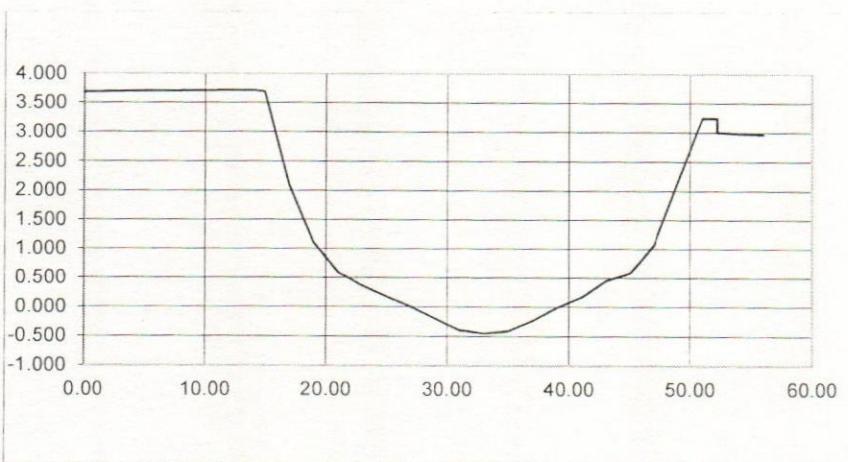
Pre-work

0.00	-0.248	Khal
2.00	-0.263	
5.00	-0.295	
7.00	-0.328	
10.00	-0.343	LB
12.00	-0.323	
14.00	-0.348	
16.00	-0.371	
18.00	-0.375	
20.00	-0.378	
22.00	-0.384	CL
25.00	-0.363	
28.00	-0.303	
30.00	-0.194	
32.00	-0.133	
34.00	0.006	
36.00	0.192	
38.00	2.106	
40.00	3.252	RB
41.00	3.251	Footpat
41.00	2.937	BC road
50.00	2.992	Shop



Cross section of Pachuria khal 50 US from meeting point of Gabvita khal

0.00	3.687	B.wall
5.00	3.702	
14.00	3.717	BC road
15.00	3.692	LB
17.00	2.106	
19.00	1.106	
21.00	0.592	
23.00	0.367	
25.00	0.182	
27.00	0.006	
29.00	-0.194	
31.00	-0.394	
33.00	-0.447	CL
35.00	-0.409	
37.00	-0.233	
39.00	-0.011	
41.00	0.172	
43.00	0.452	
45.00	0.582	
47.00	1.073	
49.00	2.167	
51.00	3.247	RB
52.20	3.246	Footpat
52.20	3.006	BC road
56.00	2.967	Shop



(W)

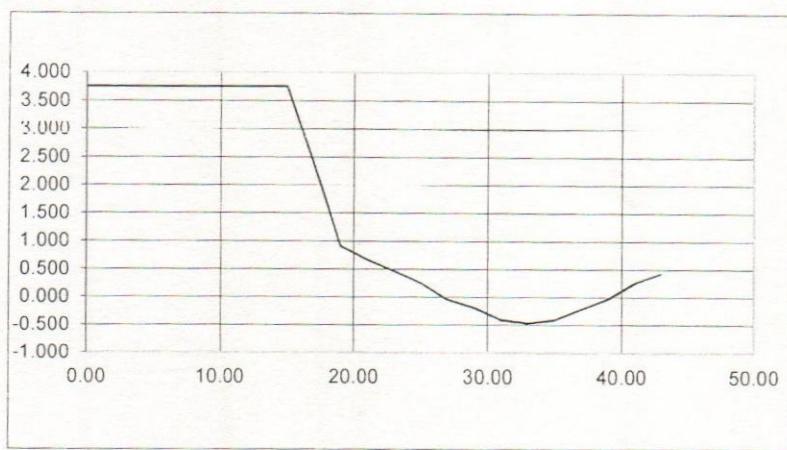
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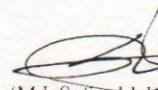
Cross section of Pachuria khal 50 DS from meeting point of Gabvita khal

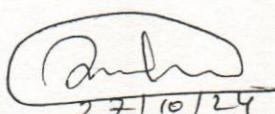
18.00

Pre-work

0.00	3.747	Shop
5.00	3.749	
14.00	3.757	BC road
15.00	3.752	LB
17.00	2.401	
19.00	0.912	
21.00	0.673	
23.00	0.473	
25.00	0.257	
27.00	-0.043	
29.00	-0.194	
31.00	-0.405	
33.00	-0.464	CL
35.00	-0.404	
37.00	-0.209	
39.00	-0.027	
41.00	0.262	
43.00	0.432	
45.00	0.706	
47.00	0.867	
49.00	2.067	
51.00	3.206	RB
52.00	3.205	Footpat
52.00	2.867	BC road
57.00	2.862	Shop



 27.10.24
(Md. Sajiqu Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

 27.10.24
(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

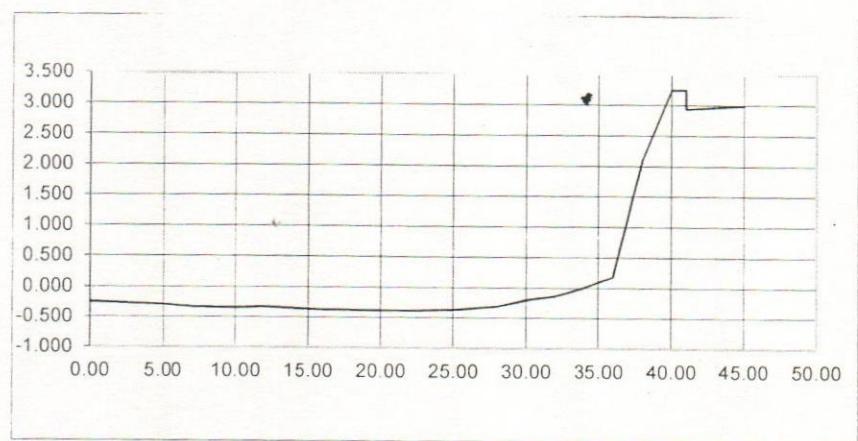
 27.10.24
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of Offtake river (**Mora Modhunoti river**) Re-excavation Gavita khal from km. 0.000 to km. 4.053 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Mora Modhumoti river along the Gabvita khal

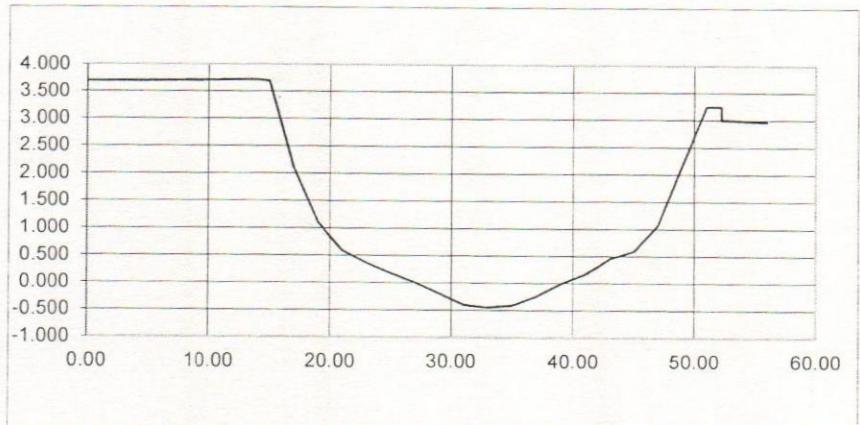
Pre-work

0.00	-0.248	Khal
2.00	-0.263	
5.00	-0.295	
7.00	-0.328	
10.00	-0.343	LB
12.00	-0.323	
14.00	-0.348	
16.00	-0.371	
18.00	-0.375	
20.00	-0.378	
22.00	-0.384	
25.00	-0.363	
28.00	-0.303	
30.00	-0.194	
32.00	-0.133	
34.00	0.006	
36.00	0.192	
38.00	2.106	
40.00	3.252	RB
41.00	3.251	
41.00	2.937	
45.00	2.992	Shop



Cross section of Mora Modhumoti river 50 US from meeting point of Gabvita khal

0.00	3.687	
5.00	3.702	BC road
14.00	3.717	LB
15.00	3.692	
17.00	2.106	
19.00	1.106	
21.00	0.592	
23.00	0.367	
25.00	0.182	
27.00	0.006	
29.00	-0.194	
31.00	-0.394	
33.00	-0.447	
35.00	-0.409	
37.00	-0.233	
39.00	-0.011	
41.00	0.172	
43.00	0.452	
45.00	0.582	
47.00	1.073	
49.00	2.167	
51.00	3.247	RB
52.20	3.246	BC road
52.20	3.006	
56.00	2.967	



(u)

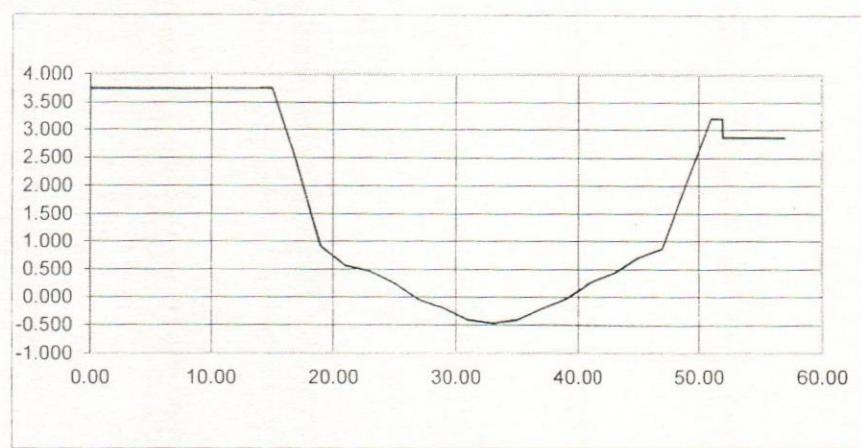
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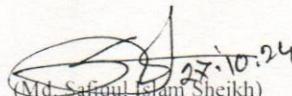
Cross section of Mora Modhumoti river 50 DS from meeting point of Gabvita khal

18.00

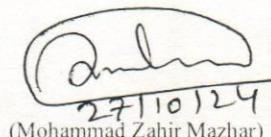
Pre-work

0.00	3.747	
5.00	3.749	
14.00	3.757	BC road
15.00	3.752	LB
17.00	2.401	
19.00	0.912	
21.00	0.573	
23.00	0.473	
25.00	0.257	
27.00	-0.043	
29.00	-0.194	
31.00	-0.405	
33.00	-0.464	
35.00	-0.404	
37.00	-0.209	
39.00	-0.027	
41.00	0.262	
43.00	0.432	
45.00	0.706	
47.00	0.867	
49.00	2.067	
51.00	3.206	RB
52.00	3.205	BC road
52.00	2.867	
57.00	2.862	

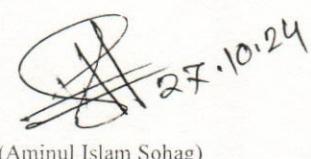


 27.10.24
(Md. Safiqul Islam Sheikh)

Executive Engineer
SMO, IDWRM-KT
Specialized Division

 27.10.24
(Mohammad Zahir Mazhar)

Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

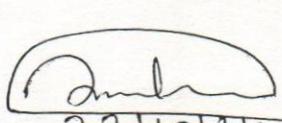
 27.10.24
(Aminul Islam Sohag)

Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

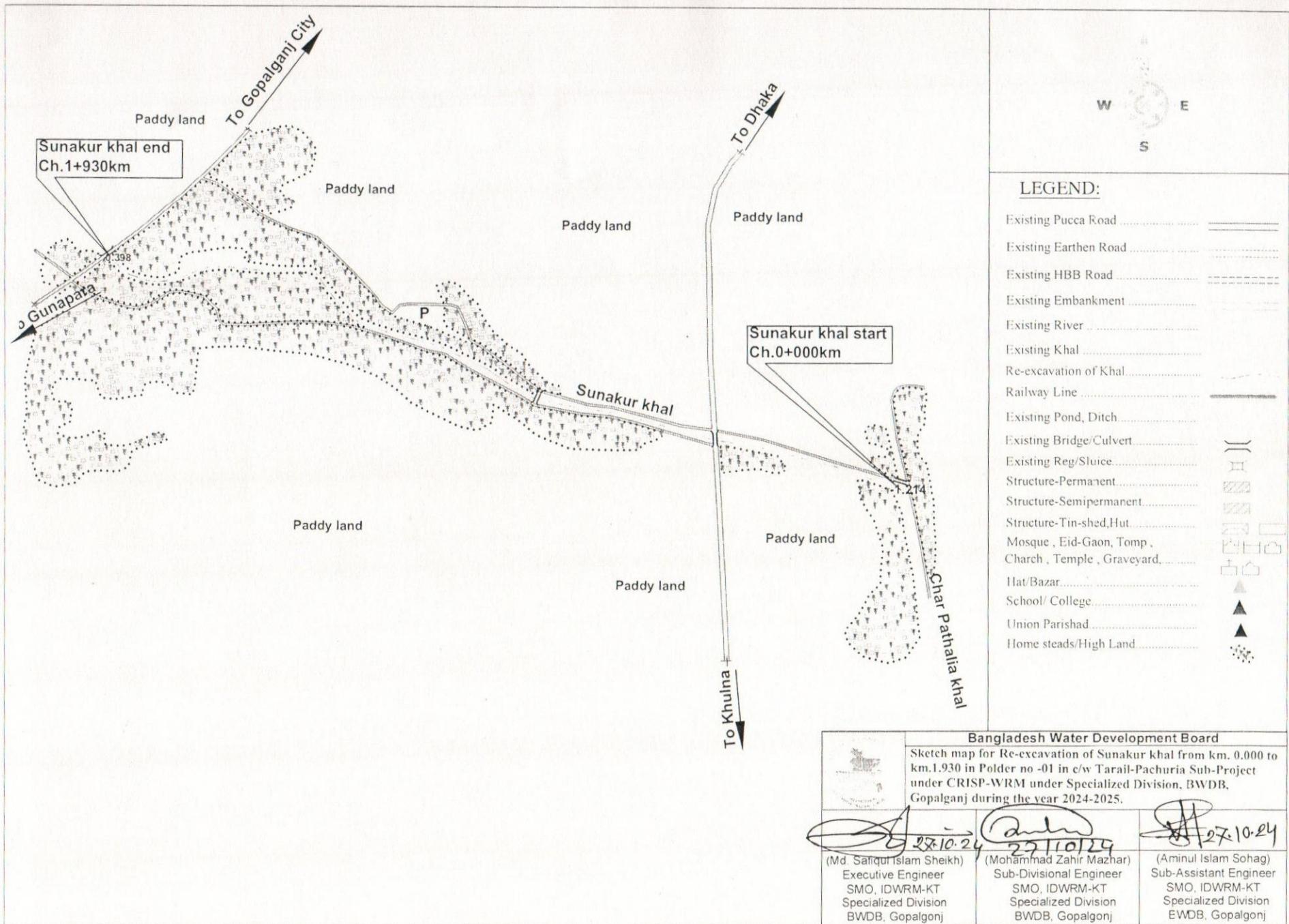
Data Checklist for the Re-excavation of Sunakur khal

1.	Name of the proposed Khal	:	Sunakur khal
2.	Catchments Area	:	200.00 Hac
3.	The lowest level up to which drainage requires	:	(-) 0.582 m (PWD)
4.	Avg. Ground level of the area	:	2.10 m (PWD)
5.	Length of the Khal	:	1.930 km
6.	Bed level of the outfall Khal/River	:	(-) 0.330 m (PWD) (Char Pathalia) it has been proposed for re-excavation at bed level (-) 1.30m.
7.	Name of the related Structure	:	
8.	Tidal or non-tidal leakage in hour	:	6.00 hours
9.	The proposed bed width of the Khal	:	For 4.00 m.
10.	The proposed bed level of the Khal	:	(-) 1.20 m (PWD)
11.	Proposed Bed Slope of the Khal	:	
12.	Proposed side slope of the Khal	:	1:1.50 (Both Side)
13.	Cross section of Khal	:	Enclosed.
14.	The long section of Khal	:	Enclosed.
15.	X-Section of the outfall River	:	Enclosed.
16.	X-Section of the Offtake Khal	:	Enclosed.
17.	Site plan of the proposed Khal (Showing drainage network)	:	Enclosed.
18.	Index map	:	Enclosed.
19.	Water level data for 10 years of near gauge station	:	enclosed herewith
20.	Distance of gauge station from Khal	:	34.00 km (SW –198. Madaripur Beel Route (MBR) Channel Haridaspur)
21.	Rainfall of the locality mm/day	:	Enclosed herewith (CL- 409 Haridaspur, Gopalganj.)
22.	Type of canal, drainage / Irrigation	:	Drainage.


27.10.24
 (Md. Sadiqul Islam Sheikh)
 Executive Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj


27.10.24
 (Mohammad Zahir Mazhar)
 Sub-Divisional Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj

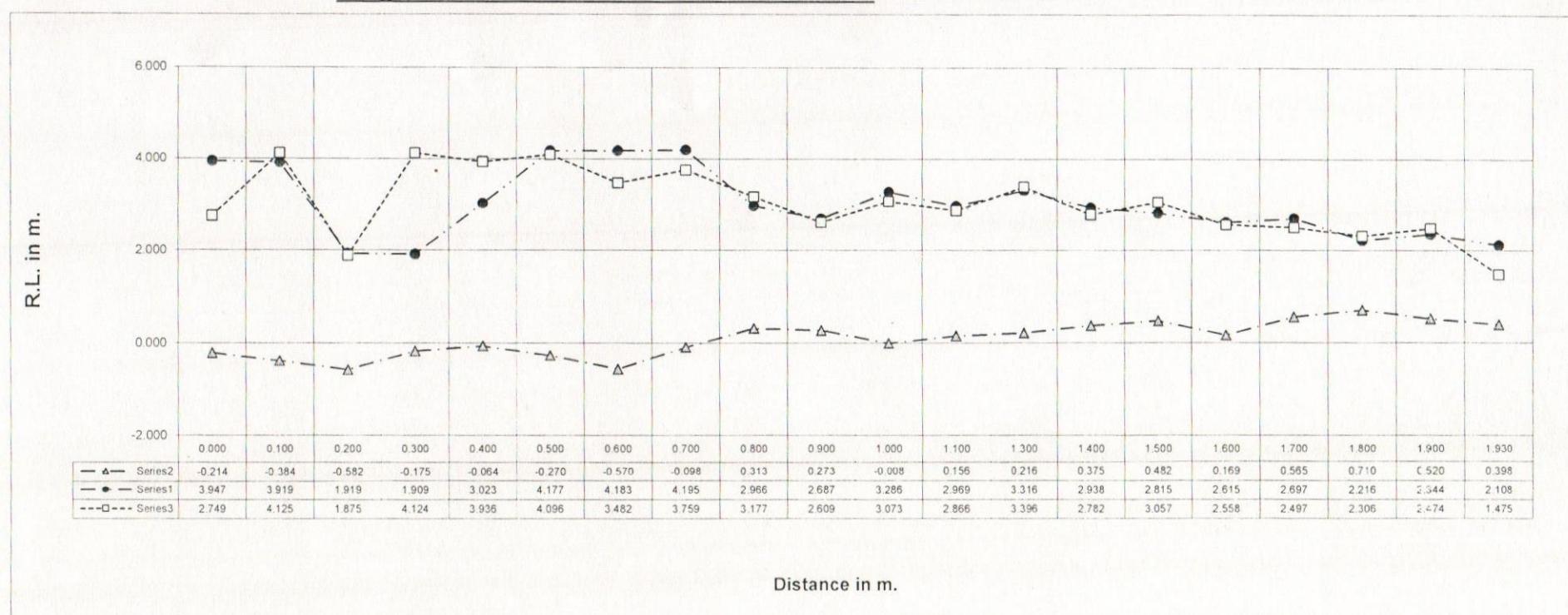

27.10.24
 (Aminul Islam Sohag)
 Sub-Assistant Engineer
 Specialized Division
 IDWRM-KT (CRISP-WRM)
 BWDB, Gopalganj



Ch Long Section of Sunakur Khal

Dist/Ch(m)	0.000	0.100	0.200	0.300	0.400	0.500	0.600	0.700	0.800	0.900	1.000	1.100	1.300	1.400	1.500	1.600	1.700	1.800	1.900	1.930
C/L R.L.	-0.214	-0.384	-0.582	-0.175	-0.064	-0.270	-0.570	-0.098	0.313	0.273	-0.008	0.156	0.216	0.375	0.482	0.169	0.565	0.710	0.520	0.398
L/B.R.L.	3.947	3.919	1.919	1.909	3.023	4.177	4.183	4.195	2.966	2.687	3.286	2.969	3.316	2.938	2.815	2.615	2.697	2.216	2.344	2.108
R/B.R.L.	2.749	4.125	1.875	4.124	3.936	4.096	3.482	3.759	3.177	2.609	3.073	2.866	3.396	2.782	3.057	2.558	2.497	2.306	2.474	1.475

Long Section for re-excavation of Sunakur Khal



Distance in m.

BANGLADESH WATER DEVELOPMENT BOARD

Long Section for Re-excavation of Sunakur khal from km. 0.000 to km.1.930 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

(Md. Safiqul Islam Sheikh) Executive Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Mohammad Zahir Mazhar) Sub-Divisional Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj	(Aminul Islam Sohag) Sub-Asstt. Engineer SMO, IDWRM-KT Specialized Division BWDB, Gopalganj

27/10/24

Cross Section for Re-excavation of Sunakur khal from km. 0.000 to km.1.930 in Polder no -01 in c/w Tarail-Pachuria

Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

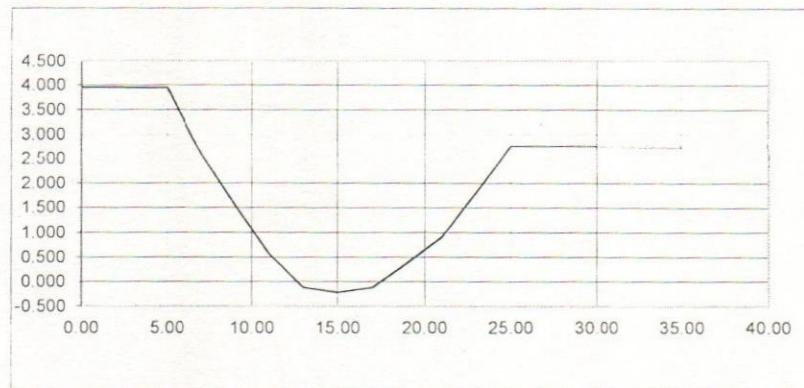
Dist. RL Remark

X - Section at km. 0.000

Pre-work
0.00 3.958 House
5.00 3.947 LB

7.00 2.622
9.00 1.566
11.00 0.561
13.00 -0.115
15.00 -0.214 CL
17.00 -0.112

19.00 0.385
21.00 0.910
23.00 1.818
25.00 2.749 RB
30.00 2.742
35.00 2.736 Khal bank



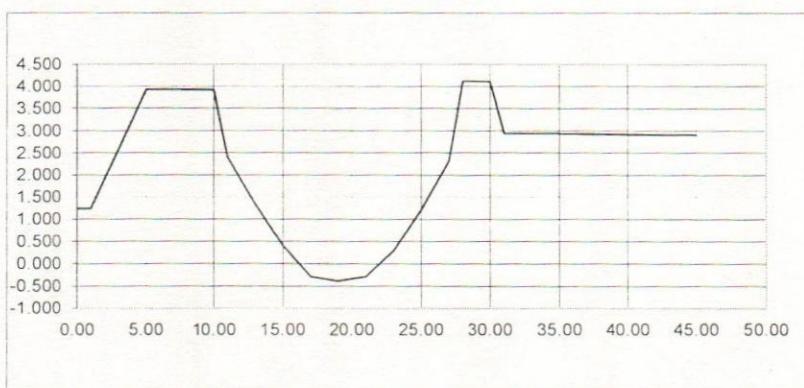
X - Section at km. 0.100

Pre-work
0.00 1.239 Paddy land
1.00 1.246

5.00 3.926 BC Road LB
10.00 3.919

11.00 2.398
13.00 1.346
15.00 0.398
17.00 -0.283
19.00 -0.384 CL
21.00 -0.282

23.00 0.293
25.00 1.216
27.00 2.313
28.00 4.125 RB
30.00 4.114
31.00 2.946
35.00 2.940
40.00 2.925
45.00 2.914 Garden



X - Section at km. 0.200

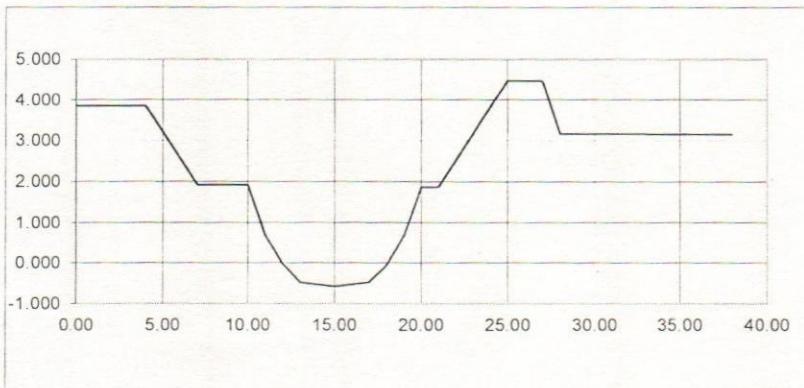
Pre-work
0.00 3.851 BC Road
4.00 3.856

7.00 1.924 LB
10.00 1.919

11.00 0.678
12.00 -0.020
13.00 -0.480
15.00 -0.582 CL
17.00 -0.479

18.00 -0.070
19.00 0.685
20.00 1.875 RB
21.00 1.880

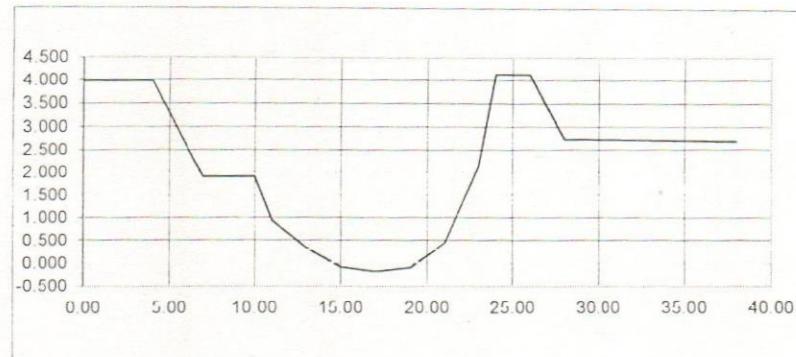
25.00 4.480
27.00 4.474
28.00 3.173
33.00 3.160
38.00 3.151 Garden



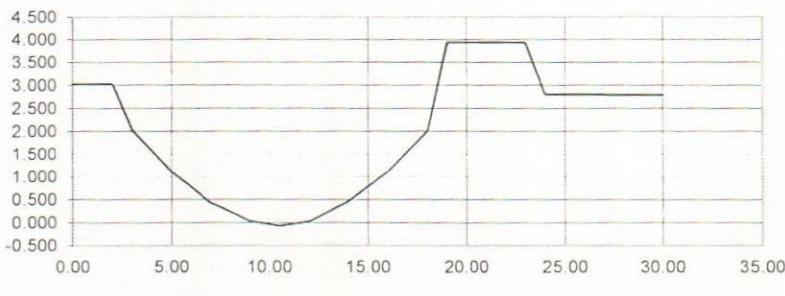
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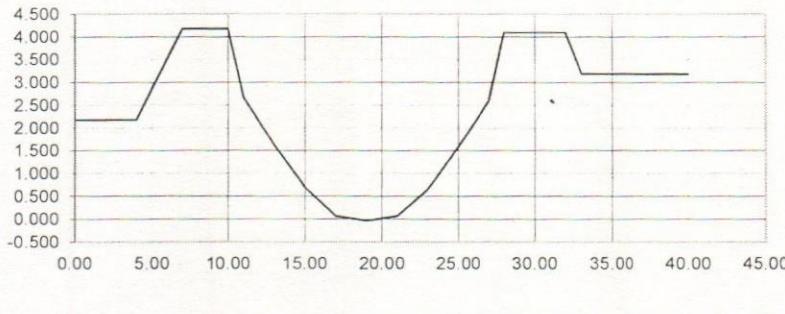
X - Section at km.	0.300
0.00	3.986
4.00	3.978
7.00	1.913
10.00	1.909
11.00	0.945
13.00	0.340
15.00	-0.071
17.00	0.175
19.00	-0.084
21.00	0.115
23.00	2.126
24.00	4.124
26.00	4.115
28.00	2.738
33.00	2.714
38.00	2.695
Garden	



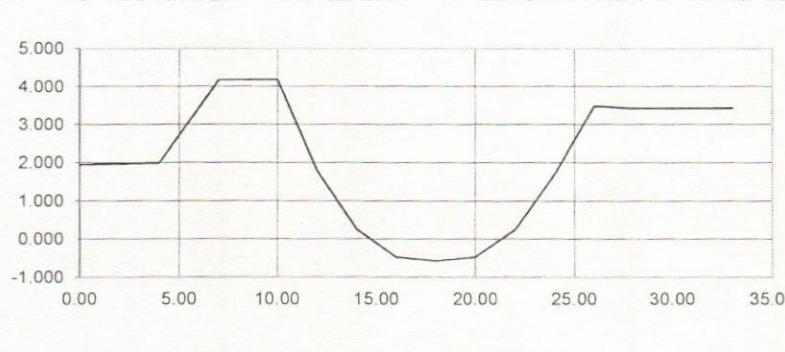
X - Section at km.	0.400
0.00	3.032
2.00	3.023
3.00	2.030
5.00	1.109
7.00	0.437
9.00	0.040
10.50	-0.064
12.00	0.031
14.00	0.463
16.00	1.125
18.00	2.012
19.00	3.936
23.00	3.931
24.00	2.806
30.00	2.795
Garden	



X - Section at km.	0.500
0.00	2.177
4.00	2.192
7.00	4.183
10.00	4.177
11.00	2.687
13.00	1.623
15.00	0.697
17.00	0.072
19.00	-0.027
21.00	0.076
23.00	0.670
25.00	1.594
27.00	2.595
28.00	4.096
32.00	4.091
33.00	3.190
40.00	3.176
Garden	



X - Section at km.	0.600
0.00	1.942
4.00	1.990
7.00	4.174
10.00	4.183
12.00	1.790
14.00	0.269
16.00	-0.469
18.00	-0.570
20.00	-0.467
22.00	0.233
24.00	1.684
26.00	3.482
28.00	3.420
32.00	3.428
33.00	3.433
BC Road	
House	

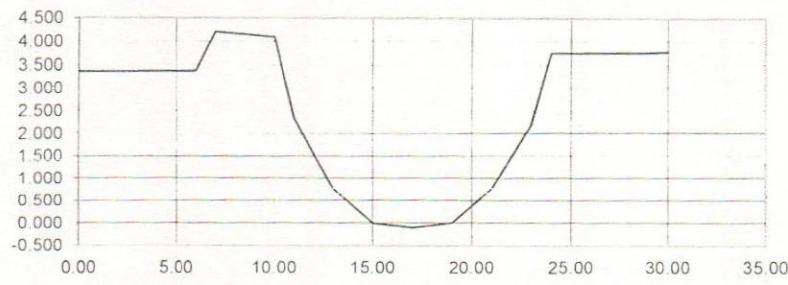


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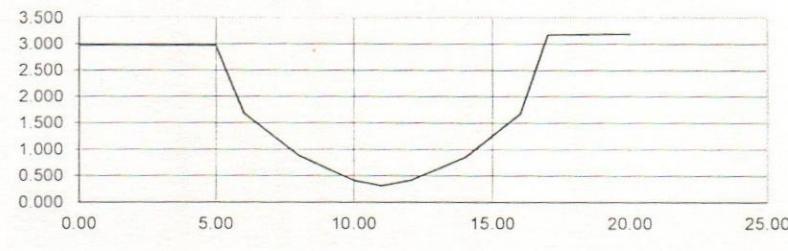
X - Section at km.	0.700
0.00	3.369
6.00	3.382
7.00	4.207
10.00	4.095
11.00	2.337
13.00	0.772
15.00	-0.003
17.00	-0.098
19.00	0.003
21.00	0.756
23.00	2.186
24.00	3.759
29.00	3.781
30.00	3.793

Home stead LB CL RB BC Road House



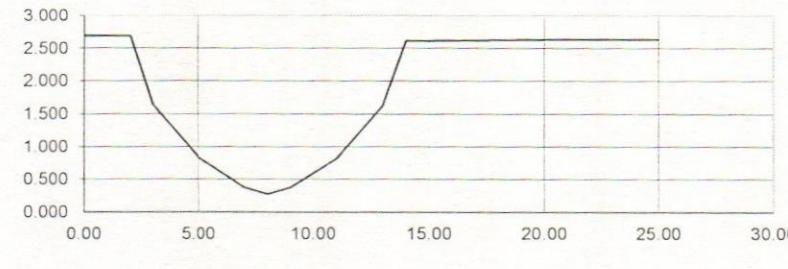
X - Section at km.	0.800
0.00	2.979
5.00	2.966
6.00	1.684
8.00	0.885
10.00	0.414
11.00	0.313
12.00	0.415
14.00	0.853
16.00	1.677
17.00	3.177
20.00	3.189

House LB CL RB House



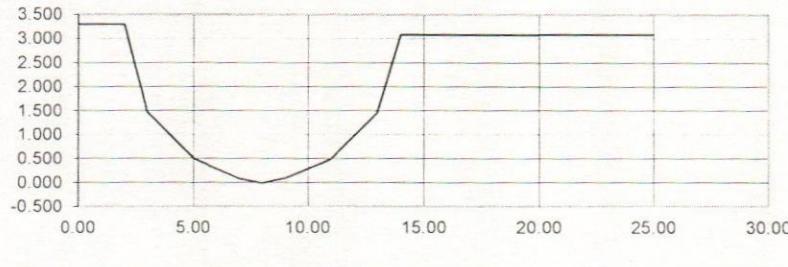
X - Section at km.	0.900
0.00	2.695
2.00	2.687
3.00	1.642
5.00	0.838
7.00	0.375
8.00	0.273
9.00	0.374
11.00	0.815
13.00	1.619
14.00	2.609
20.00	2.633
25.00	2.638

House LB CL RB Garden



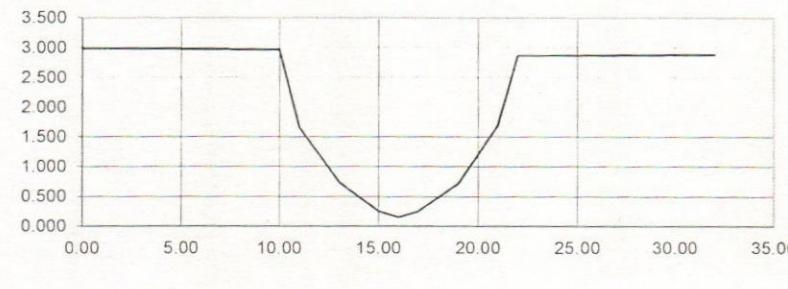
X - Section at km.	1.000
0.00	3.294
2.00	3.286
3.00	1.472
5.00	0.506
7.00	0.091
8.00	-0.008
9.00	0.093
11.00	0.492
13.00	1.454
14.00	3.073
20.00	3.080
25.00	3.085

House LB CL RB Garden

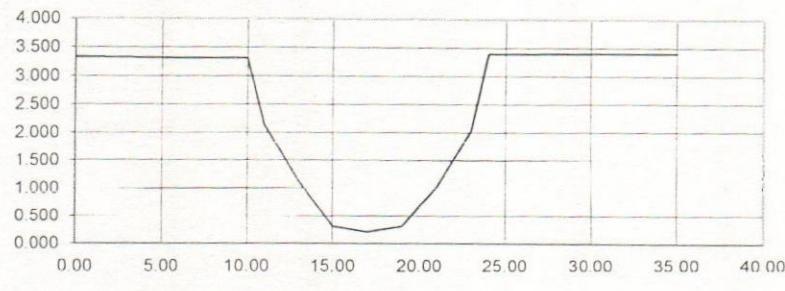


X - Section at km.	1.100
0.00	2.989
5.00	2.978
10.00	2.969
11.00	1.656
13.00	0.738
15.00	0.259
16.00	0.156
17.00	0.257
19.00	0.717
21.00	1.691
22.00	2.866
27.00	2.878
32.00	2.889

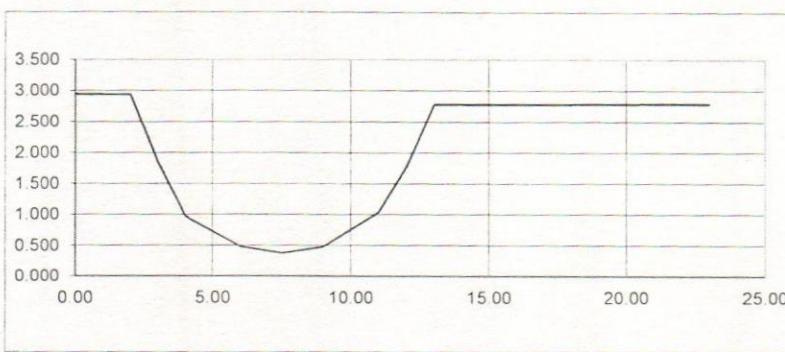
Home stead LB CL RB Garden



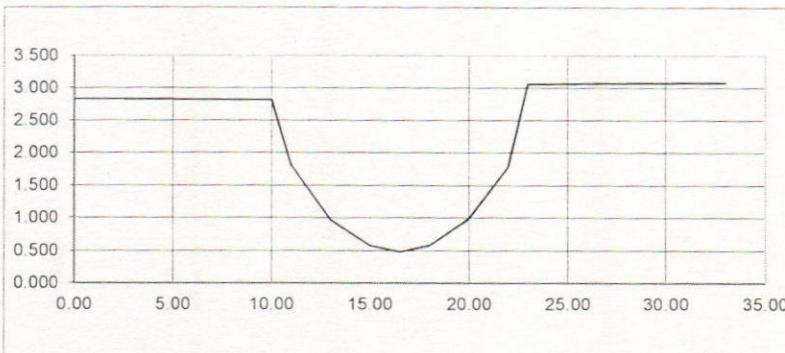
X - Section at km.	1.300
Pre-work	
0.00	3.337
5.00	3.325
10.00	3.316
11.00	2.137
13.00	1.134
15.00	0.320
17.00	0.216
19.00	0.317
21.00	1.036
23.00	2.031
24.00	3.396
30.00	3.405
35.00	3.410
Home stead	



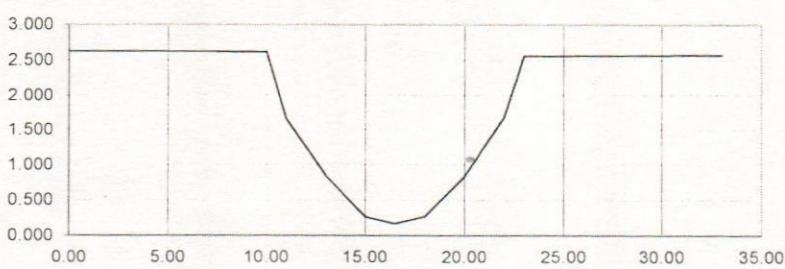
X - Section at km.	1.400
Pre-work	
0.00	2.944
2.00	2.938
3.00	1.843
4.00	0.976
6.00	0.481
7.50	0.378
9.00	0.479
11.00	1.038
12.00	1.778
13.00	2.782
18.00	2.787
23.00	2.794
Garden	



X - Section at km.	1.500
Pre-work	
0.00	2.832
5.00	2.824
10.00	2.815
11.00	1.802
13.00	0.970
15.00	0.580
16.50	0.482
18.00	0.583
20.00	0.994
22.00	1.789
23.00	3.057
28.00	3.073
33.00	3.084
Garden	



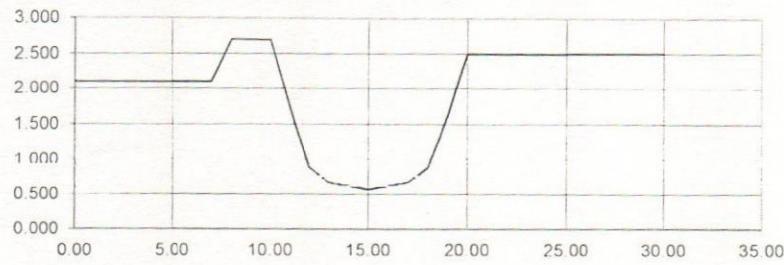
X - Section at km.	1.600
Pre-work	
0.00	2.628
5.00	2.623
10.00	2.615
11.00	1.658
13.00	0.845
15.00	0.268
16.50	0.168
18.00	0.270
20.00	0.838
22.00	1.674
23.00	2.558
28.00	2.565
33.00	2.579
Garden	



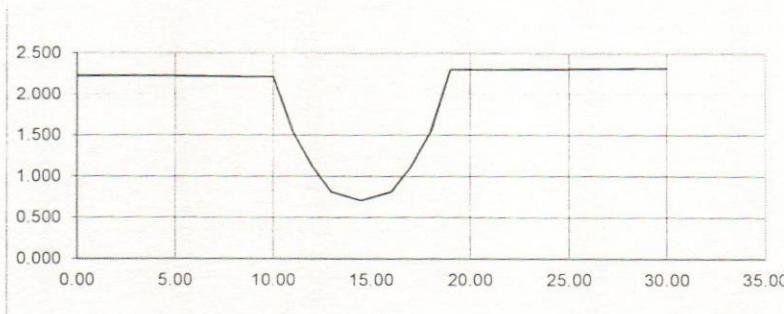
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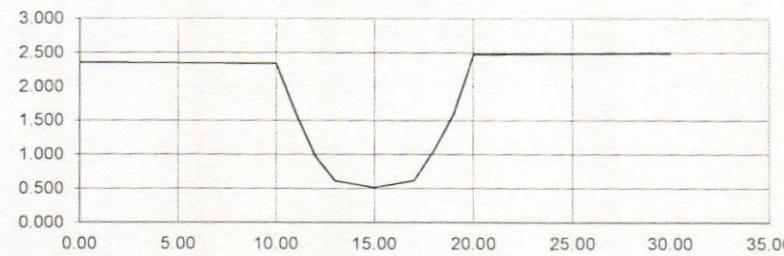
X - Section at km.	1.700
0.00	2.091
5.00	2.097
7.00	2.102
8.00	2.706
10.00	2.697
11.00	1.718
12.00	0.884
13.00	0.666
15.00	0.567
17.00	0.668
18.00	0.875
19.00	1.617
20.00	2.497
25.00	2.502
30.00	2.507
Garden	



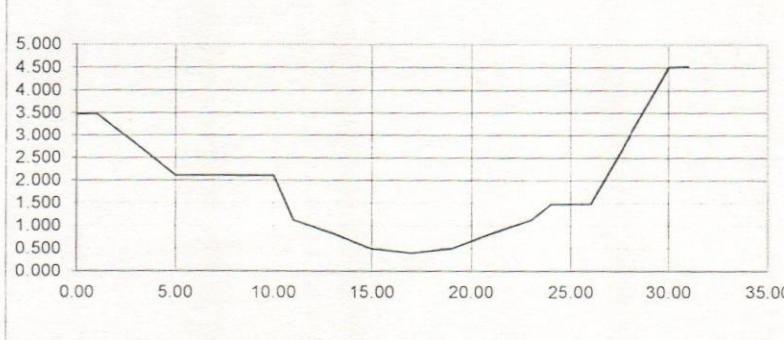
X - Section at km.	1.800
0.00	2.232
5.00	2.227
10.00	2.216
11.00	1.548
12.00	1.120
13.00	0.811
14.50	0.710
16.00	0.809
17.00	1.112
18.00	1.549
19.00	2.306
25.00	2.312
30.00	2.320
Garden	



X - Section at km.	1.900
0.00	2.358
5.00	2.351
10.00	2.344
11.00	1.604
12.00	0.975
13.00	0.617
15.00	0.520
17.00	0.619
18.00	1.068
19.00	1.600
20.00	2.474
25.00	2.486
30.00	2.499
House Area	



X - Section at km.	1.930
0.00	3.475
1.00	3.489
5.00	2.115
10.00	2.108
11.00	1.127
13.00	0.835
15.00	0.497
17.00	0.398
19.00	0.499
21.00	0.829
23.00	1.128
24.00	1.475
26.00	1.486
30.00	4.515
31.00	4.533
House	



27.10.24

(Md. Safiqul Islam Sheikh)
Executive Engineer
SMO, IDWRM-KT
Specialized Division

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(Mohammad Zahir Mazhar)
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division

27.10.24

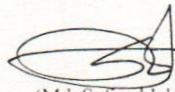
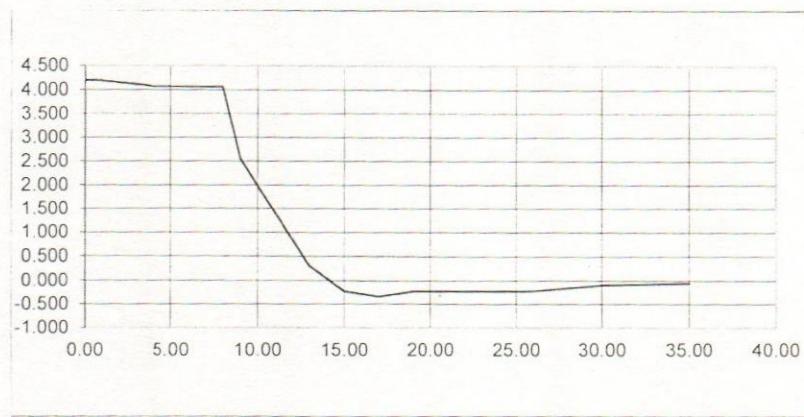
(Aminul Islam Sohag)
Sub-Asstt. Engineer
SMO, IDWRM-KT
Specialized Division

Cross Section of Out fall khal (Char Pathalia khal) for Re-excavation of Sunakur khal from km. 0.000 to km.1.930 in Polder no -01 in c/w Tarail-Pachuria Sub-Project under CRISP-WRM under Specialized Division, BWDB, Gopalganj during the year 2024-2025.

Cross section of Char Pathalia khal along the Sunakur khal

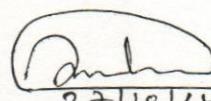
Pre-work

0.00	4.198	House
1.00	4.186	
4.00	4.079	BC Road
8.00	4.067	LB
9.00	2.558	
11.00	1.411	
13.00	0.310	
15.00	-0.228	
17.00	-0.330	
19.00	-0.229	
21.00	-0.227	
23.00	-0.224	
25.00	-0.219	
26.00	-0.214	RB
30.00	-0.089	
35.00	-0.052	Khal bed



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Specialized Division

**Water Level Data of SW 198, Haridaspur, Madaripur Beel Route Channel
Gopalganj O&M Division, BWDB, Gopalganj**

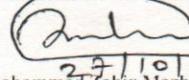
District Name	UPZL_NAME	RIVER_NAME	Station ID	Station Name	Year	Yr._Max (m PWD)	Yr._Min (m PWD)	Yr._Ave (m PWD)	Max (m PWD)	Min (m PWD)
Gopalganj	Gopalganj Sadar	Madaripur Beel Route	SW198	Haridaspur	1959	3.96	0.64	2.29		
					1960	1.40	0.40	0.86		
					1962	4.28	0.70	2.20		
					1963	4.11	0.47	2.09		
					1964	4.63	0.30	2.04		
					1965	1.33	0.30	0.85		
					1968	4.21	0.21	2.38		
					1969	4.16	0.35	2.10		
					1970	4.11	0.18	1.87		
					1971	4.54	0.17	2.17		
					1972	2.97	0.15	1.44		
					1973	3.93	0.21	1.87		
					1974	4.45	0.15	1.86		
					1975	3.13	0.12	1.27		
					1976	3.47	0.00	1.63		
					1977	3.63	0.23	1.78		
					1978	3.70	0.56	2.18		
					1979	3.23	0.15	1.53		
					1980	1.31	0.06	0.70		
					1981	3.58	0.30	1.94		
					1982	3.41	0.13	1.54		
					1983	3.87	0.00	1.88		
					1984	4.25	-0.08	1.95		
					1985	3.34	0.34	1.81		
					1986	3.57	0.05	1.63		
					1987	4.50	0.06	1.76		
					1988	4.85	0.00	1.85		
					1989	2.80	0.16	1.56		
					1990	3.34	0.17	1.65	5.05	-0.08
					1991	1.69	0.16	0.87		
					1992	2.90	0.41	1.74		
					1993	3.40	0.10	1.82		
					1994	3.17	0.18	1.61		
					1995	4.12	0.52	2.23		
					1996	3.87	0.37	2.29		
					1997	2.25	0.01	1.02		
					1998	5.05	0.04	2.04		
					1999	3.64	0.40	1.89		
					2000	3.36	0.23	1.74		
					2001	2.95	0.29	1.73		
					2002	3.55	0.10	1.66		
					2003	2.90	0.18	1.28		
					2004	2.08	0.54	1.36		
					2006	2.99	0.32	1.94		
					2007	4.00	0.02	1.83		
					2008	3.68	0.63	1.87		
					2009	3.13	0.55	1.66		
					2010	3.37	0.52	1.85		
					2011	3.52	0.45	1.69		
					2012	2.89	0.22	1.69		
					2013	3.05	0.01	1.64		
					2014	2.92	0.35	1.54		
					2015	3.05	0.42	1.74		
					2016	1.08	0.89	0.96		
					2017	3.97	1.53	2.89		
					2018	2.95	0.28	1.54		
					2019	3.05	0.03	1.41		
					2020	3.78	0.15	1.80		

* Max in the year 1998

*Min in the year 1984

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(Mohammad Zahir Mazhar)

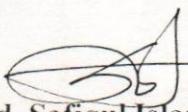
Sub-Divisional Engineer
SMO, IDWRM-KT
Specialized Division
BWDB, Gopalganj

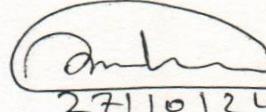
 27.10.24
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Specialized Division
BWDB, Gopalganj

Rainfall Data of CL409, Haridaspur
Gopalganj O&M Division, BWDB, Gopalganj

District	UZ Name	Station Name	Station_ID	Year	Yearly Max. Rainfall (mm)
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2001	92
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2002	230
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2003	148
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2004	320
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2005	225
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2006	287
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2007	120
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2008	146
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2009	105
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2010	90
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2011	105
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2012	107
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2013	100
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2014	90
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2015	96
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2016	198
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2017	110
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2018	98
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2019	110
Gopalganj	Gopalganj Sadar	Haridaspur	CL409	2020	71


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 BWDB, Gopalganj

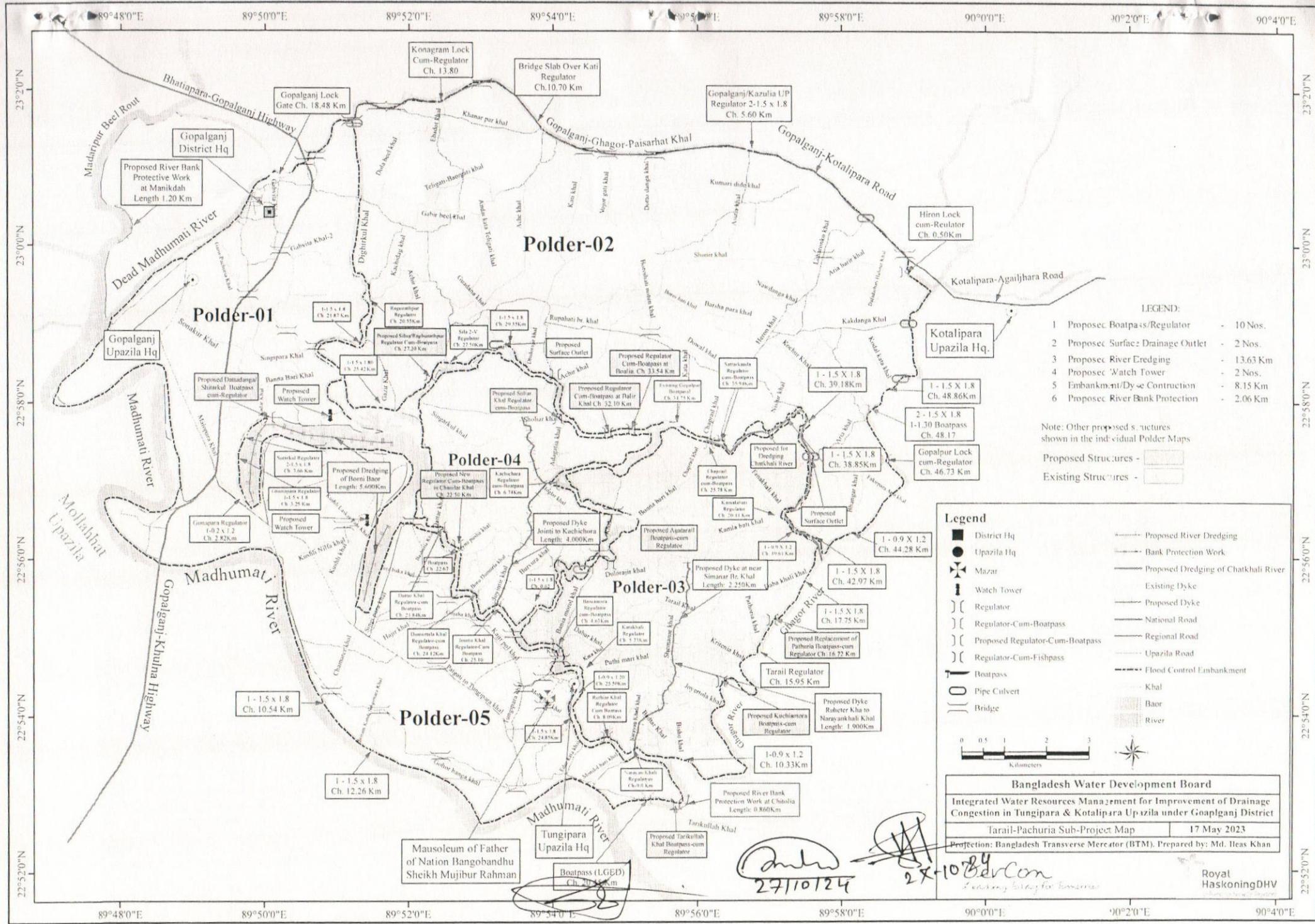
Monthly Total Rain fall Data for CL 409 (1987-2020), Haridaspur, Gopalganj
Gopalganj O&M Division, BWDB, Gopalganj

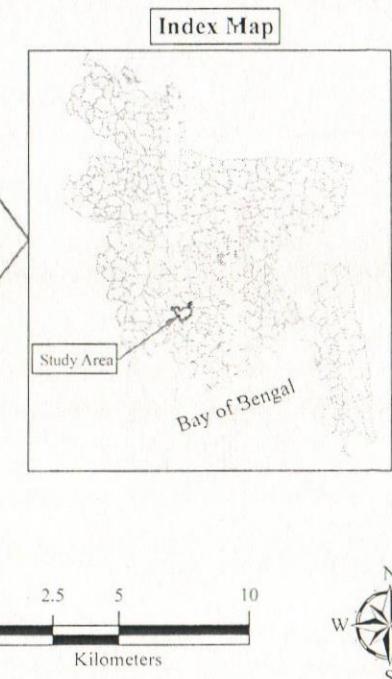
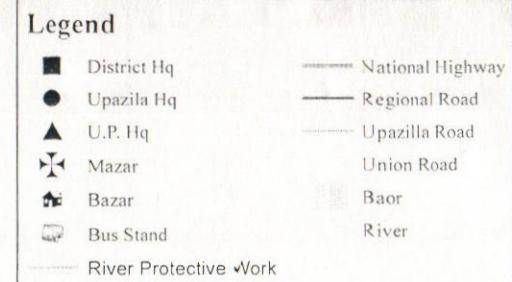
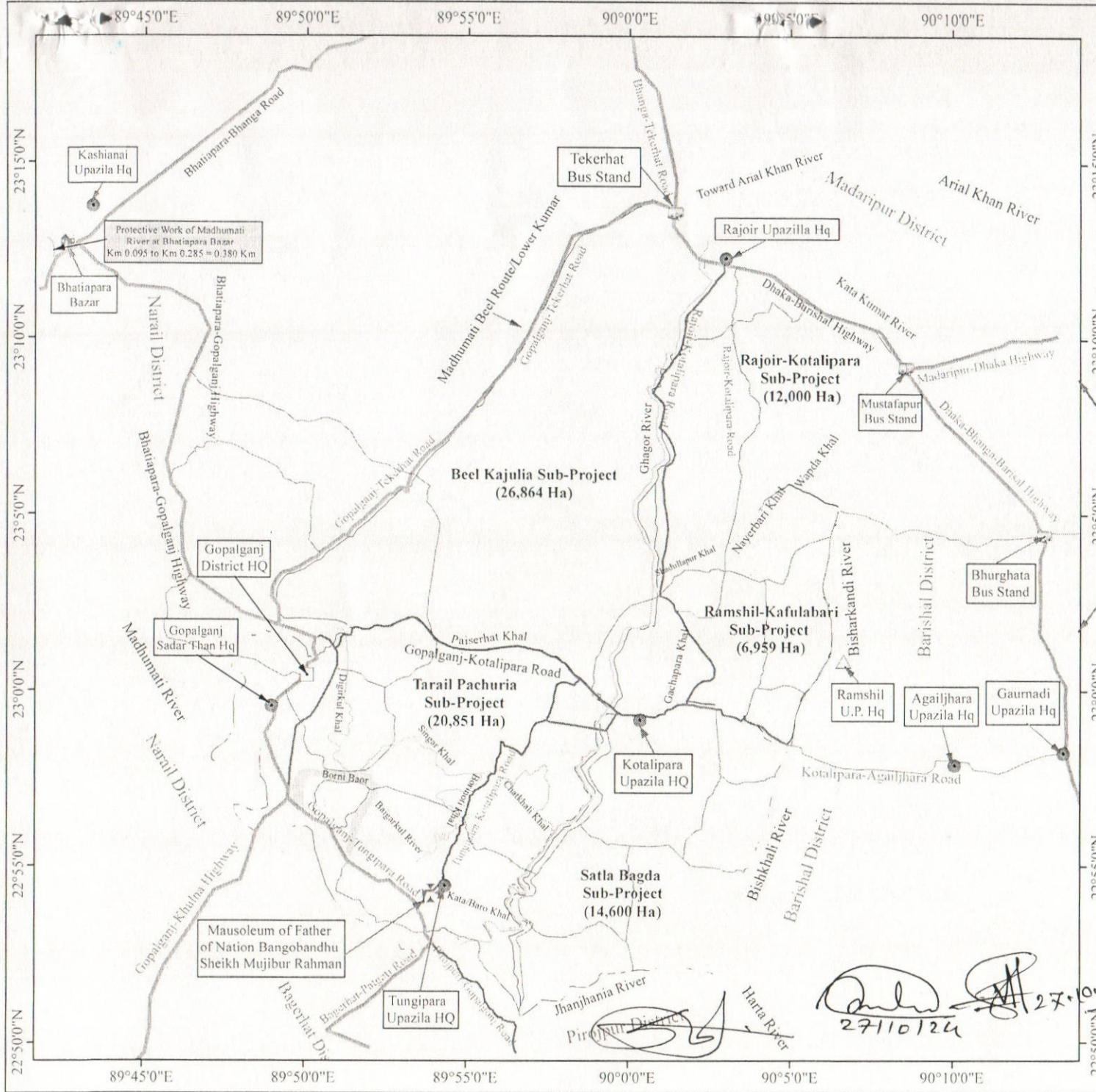
Year	January	February	March	April	May	June	July	August	September	October	November	December	Monthly Max	Monthly Min	Yearly Total	Pre. Monsoon Total	Monsoon Total	Post. Monsoon Total	Dry Total
1987	0.00	2.50	20.30	19.70	114.80	522.70	545.30	464.80	227.60	126.20	12.90	0.00	545.30	0.00	2056.80	154.80	1760.40	139.10	2.50
1988	0.00	51.00	50.00	132.50	272.60	484.90	283.00	191.90	72.40	240.10	141.00	0.00	484.90	0.00	1919.40	455.10	1032.20	381.10	51.00
1989	0.00	12.20	0.00	25.90	260.70	290.60	267.00	163.00	220.90	232.20	1.50	0.00	290.60	0.00	1474.00	286.60	941.50	233.70	12.20
1990	0.00	92.70	200.80	47.20	209.80	213.20	651.80	340.40	317.20	12.70	85.50	0.90	651.80	0.00	2172.20	457.80	1522.60	98.20	93.60
1991	45.00	37.00	91.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	0.00	173.00	91.00	0.00	0.00	82.00
1992	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	0.00	0.00	186.50	287.80	340.70	263.50	433.30	339.30	109.70	32.70	0.00	433.30	0.00	1993.50	474.30	1376.80	142.40	0.00	
1994	2.00	18.50	62.70	105.30	228.50	303.70	178.30	236.00	161.50	205.20	17.50	0.00	303.70	0.00	1519.20	396.50	879.50	222.70	20.50
1995	5.50	61.50	0.00	43.00	158.00	323.50	330.00	280.50	112.50	65.00	159.50	0.00	330.00	0.00	1539.00	201.00	1046.50	224.50	67.00
1996	8.50	11.50	33.00	140.50	92.00	411.00	193.00	258.50	103.00	226.50	31.00	0.00	411.00	0.00	1508.50	265.50	965.50	257.50	20.00
1997	6.00	20.00	63.00	156.50	118.00	316.50	309.50	326.50	431.00	26.50	8.00	24.50	431.00	6.00	1806.00	337.50	1385.50	34.50	50.50
1998	32.50	24.00	200.00	184.00	218.50	189.00	252.50	359.50	186.00	191.00	112.50	0.00	359.50	0.00	1949.50	602.50	987.00	303.50	56.50
1999	0.00	0.00	0.00	44.00	202.00	159.50	607.50	609.50	350.00	287.50	13.80	0.00	609.50	0.00	2273.80	246.00	1726.50	301.30	0.00
2000	0.00	0.00	0.00	127.50	307.50	213.00	254.00	385.00	288.90	275.50	0.00	0.00	385.00	0.00	1851.40	435.00	1140.90	275.50	0.00
2001	0.00	32.00	25.00	22.00	314.00	499.10	324.20	140.00	36.30	225.00	28.00	0.00	499.10	0.00	1645.60	361.00	995.60	253.00	32.00
2002	8.00	0.00	45.00	102.00	450.00	609.40	314.00	493.00	253.00	7.00	186.00	0.00	609.40	0.00	2467.40	597.00	1665.40	193.00	8.00
2003	0.00	8.00	78.00	95.40	28.00	258.00	0.00	258.00	177.00	110.00	257.00	21.00	258.00	0.00	1290.40	201.40	693.00	367.00	29.00
2004	0.00	2.00	85.00	135.20	349.90	146.20	261.30	817.00	195.00	0.00	0.00	817.00	0.00	1991.60	222.20	1574.40	195.00	0.00	
2005	0.00	15.00	92.00	23.00	176.30	116.20	517.20	120.00	70.00	447.00	0.00	0.00	517.20	0.00	1576.70	291.30	823.40	447.00	15.00
2006	0.00	0.00	0.00	20.00	0.00	150.00	323.00	280.00	774.00	0.00	0.00	0.00	774.00	0.00	1547.00	20.00	1527.00	0.00	0.00
2007	0.00	100.00	0.00	0.00	85.00	310.00	517.00	290.00	351.00	303.00	147.00	0.00	517.00	0.00	2103.00	85.00	1468.00	450.00	100.00
2008	57.00	12.00	22.00	15.00	228.00	243.00	553.00	238.00	304.00	354.00	0.00	0.00	553.00	0.00	2026.00	265.00	1335.00	354.00	69.00
2009	0.00	0.00	10.00	20.00	112.00	118.00	293.00	379.00	206.00	244.00	0.00	0.00	379.00	0.00	1382.00	142.00	996.00	244.00	0.00
2010	0.00	0.00	0.00	5.00	144.00	330.00	218.00	69.00	78.00	172.00	0.00	3.00	330.00	0.00	1019.00	149.00	695.00	172.00	3.00
2011	0.00	16.00	39.00	98.00	555.00	220.00	456.70	58.00	0.00	0.00	0.00	0.00	555.00	0.00	1442.70	153.00	1285.70	0.00	0.00
2012	0.00	0.00	67.00	138.00	217.00	312.00	284.00	267.00	76.00	92.00	0.00	312.00	0.00	1453.00	205.00	1082.00	158.00	0.00	
2013	0.00	7.00	14.00	40.00	266.00	78.00	295.00	491.00	171.00	430.00	0.00	0.00	491.00	0.00	1792.00	320.00	1035.00	430.00	7.00
2014	0.00	18.00	40.00	0.00	133.00	621.00	414.00	210.00	252.00	10.00	0.00	9.00	621.00	0.00	1707.00	173.00	1497.00	10.00	27.00
2015	0.00	37.00	166.00	0.00	201.00	465.00	353.00	242.00	0.00	0.00	0.00	0.00	465.00	0.00	1464.00	203.00	1261.00	0.00	0.00
2016	0.00	7.00	0.00	351.00	458.00	634.00	268.00	59.00	43.00	0.00	0.00	0.00	634.00	0.00	1820.00	351.00	1413.00	43.00	7.00
2017	0.00	0.00	11.00	64.00	168.00	247.00	769.00	425.00	192.00	265.00	0.00	0.00	769.00	0.00	2141.00	243.00	1632.00	255.00	0.00
2018	0.00	0.00	218.00	331.00	333.00	322.00	102.00	118.00	8.00	0.00	0.00	0.00	333.00	0.00	1432.00	549.00	875.00	8.00	0.00
2019	0.00	257.00	0.00	171.00	168.00	213.00	541.00	317.00	231.00	266.00	137.00	0.00	541.00	0.00	2301.00	339.00	1302.00	403.00	257.00
2020	20.00	0.00	120.00	306.00	307.00	377.00	204.00	377.00	0.00	1334.00	426.00	0.00	888.00	0.00	426.00	888.00	0.00	0.00	20.00

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Specialized Division





Bangladesh Water Development Board
Integrated Water Resources Management for Improvement of Drainage Congestion in Tungipara & Kotalipara Upazila under Gopalganj District

Project Index Map	17 May 2023
Projection: Bangladesh Transverse Mercator (BTM)	
Prepared by: Md. Ileas Khan	

27/10/24

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