

South-Western Zone, BWDB, Khulna.

Khulna OEM Circle, BWDB, Khulna.

**BAGERHAT OEM DIVISION, BWDB, BAGERHAT.**

04/02/2022

SC-236

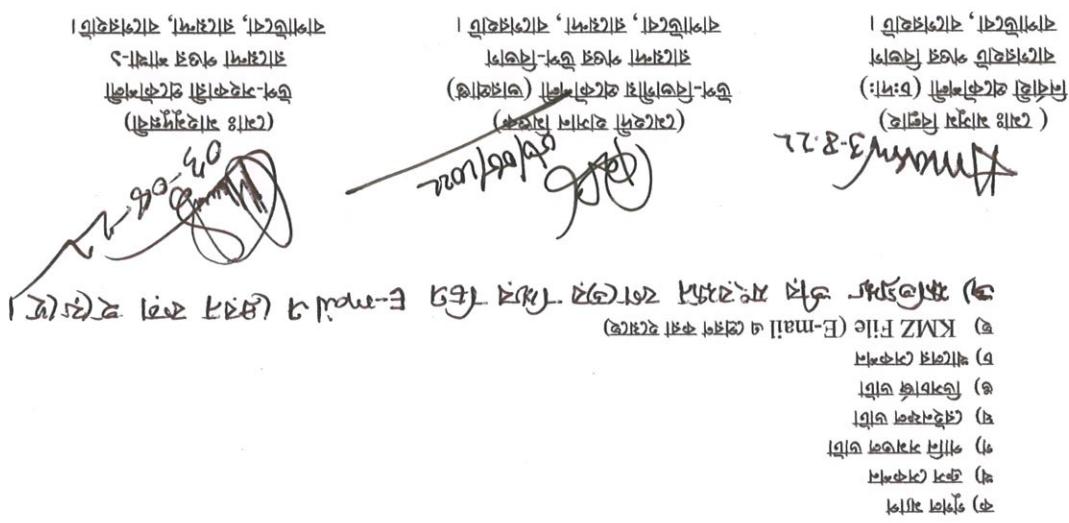
Repair of Total 962 m River Bank Protective Work along the Right Bank of Panguchhi River at Morelgonj OEM Division, BWDB, Bagerhat.  
Ferry Ghat Area in C/W "Protection of Morelgonj Upazila Sadar & Adjacent Areas from Erosion of Panguchhi River & Re-excavation/Dredging of Bisikhali River in Bagerhat District" Under Bagerhat

**DESIGN DATA**



KM 1.70  
KM 1.10  
KM 0.80  
KM 0.10

**BANGLADESH WATER DEVELOPMENT BOARD**



ထိန်းချေမှုပါန အမြတ် သယ်ယူစွာ မန္တရာယ် ပါ။ ဒါနဲ့ မန္တရာယ် အတွက် အမြတ် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အတွက် မြတ်ဆုံး လတ်နေရာများ ပေါ်ပါဘူး။

Workign Design နဲ့ ဖော်လောက်ရင် Strengthen 9 N/mm<sup>2</sup> နဲ့ အနက် တောင်းဆောင်ရွက် အတွက် တောင်းဆောင်ရွက်ရန် စွမ်းချေရန် တောင်းဆောင်ရွက်ရန် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အတွက် မြတ်ဆုံး လတ်နေရာများ အတွက် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အမြတ် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ ဒါနဲ့ မန္တရာယ် အတွက် အမြတ် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။

Workign Design နဲ့ ဖော်လောက်ရင် Strengthen 18 N/mm<sup>2</sup> နဲ့ အနက် တောင်းဆောင်ရွက်ရန် စွမ်းချေရန် တောင်းဆောင်ရွက်ရန် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အတွက် မြတ်ဆုံး လတ်နေရာများ အတွက် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အမြတ် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။

- |    |                        |
|----|------------------------|
| 14 | : လတ်နေရာများ ဖြစ်တယ်။ |
| 15 | : လတ်နေရာများ ဖြစ်တယ်။ |
| 16 | : လတ်နေရာများ ဖြစ်တယ်။ |
| 17 | : လတ်နေရာများ ဖြစ်တယ်။ |
| 18 | : လတ်နေရာများ ဖြစ်တယ်။ |

တောင်းဆောင်ရွက်ရန် အတွက် အမြတ် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။ အတွက် မြတ်ဆုံး လတ်နေရာများ ဖြစ်တယ်။

လတ်နေရာများ ဖြစ်တယ်

**DATA CHECKLIST FOR REPAIR OF TOTAL 962 M RIVER BANK  
PROTECTIVE WORK AT MORRELGOONI FERRY GHAT AREA**

01	Location	: Morrelgoni, Bagerhat
02	Tidal or non Tidal	: Tidal
03	River Bank Side of Panguchi River	: Right Bank
04	Hydrological Gauge Station	: SW1 (Daratana River, Bagerhat)
05	Hydrological Data of Gauge Station	: Enclosed.
06	Distance of gauge station from the location	: 22.00 km (at Bagerhat)
07	Velocity data	: 1.50-2.00 m/s (Flooding Method)
08	Discharge Data	: Maximum 11000.00 m <sup>3</sup> /s (Calculated at ch. km 1.0000 of Shomnash to Khaulia)
09	Highest Water Level	: 3.00 m PWD (2001)
10	Lowest Water Level	: -1.42 m PWD (2021)
11	Rainfall of the locality in mm/day	: Enclosed.
12	Cross section of Existing River Bank Protective Work at Panguchi River in Morrelgoni	: Enclosed (Chianage km. 0.000 to km. 0.141, km. 0.651 to km. 0.921, km. 1.036 to km. 1.446 and km. 1.656 to km. 1.797)
13	Autocad Drawing of Cross Section	: Enclosed.
14	Location Map showing the scheme	: Enclosed.
15	Site Plan	: Enclosed.

Md. Masum Billah  
(Md. Masum Billah)  
Sub-Assistant Engineer (I/C)  
Rayenda O&M Sub-Division  
Rayenda O&M Section-1  
BWD, Rayenda, Bagerhat.  
BWD, Bagerhat  
Executive Engineer(C.C)  
Bagerhat O&M Division  
Bagerhat, Bagerhat

Md. Mehedi Hasan Mishuk  
(Md. Mehedi Hasan Mishuk)  
Sub-Divisional Engineer (I/C)  
Rayenda O&M Sub-Division  
Rayenda O&M Section-1  
BWD, Rayenda, Bagerhat.

Md. Md. Mahmudunnabi  
(Md. Md. Mahmudunnabi)  
Sub-Assistant Engineer (I/C)  
Rayenda O&M Sub-Division  
Rayenda O&M Section-1  
BWD, Rayenda, Bagerhat.  
BWD, Bagerhat

**Rain fall (mm) data of station no.501 EF -34 at Bagerhat.**

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
January	0.0	33.05	0.0	4.0	0.0	0.0	0.0	0.0					30.0			
February	0.0	47.08	34.04	0.0	0.0	0.0	0.0	23.09	10.03	19.0						
March	18.03	18.0	6.0	151.0	217.0	0.0	0.0		15.0	10.03						
April	262.9	136.08	58.0	129.1	48.1	0.0		0.0	15.1	19.08	35.08	127.0	225.2		20.05	
May	267.0	220.05	418.08	257.05	77.00	49.10	73.00	174.00	15.00	25.00	195.08	303.02	397.46	110.00	450.00	377.38
June	596.0	256.06	498.05	671.0	512.06	403.54	11.0	257.09	30.02	39.03		571.01	431.46	165.13	213.75	421.22
July	448.08	563.09	525.04	527.1	528.0	401.3	505.3		40.0	105.08	95.1	490.27	767.08	464.09	346.02	517.02
August	251.04	343.06	92.32	328.06	336.05	486.08	389.30		39.05	95.03	102.01	325.38	337.05	507.04	525.00	217.08
September	265.05	392.07	98.03	354.0	355.08	521.00	69.77	620.01	45.00	30.00		154.18	290.01	298.90	445.06	182.05
October	0.0	148.07	233.07	35.07	203.08	257.09			176.03	10.02		486.26				
November	0.0	0.0	0.0	73.0	50.10	0.00			50.00	144.06		60.00				
December	0.0	0.0	0.0	0.00	0.00											

*Masum Billah*  
**(Md. Masum Billah)**  
 Executive Engineer(C.C)  
 Bagerhat O&M Division  
 BWDB, Bagerhat

*Mehedi Hasan Mishuk*  
**(Md. Mehedi Hasan Mishuk)**  
 Sub-Divisional Engineer (I/C)  
 Rayenda O&M Sub-Division  
 BWDB, Rayenda, Bagerhat.

*Md. Mahmudunnabi*  
**(Md. Mahmudunnabi)**  
 Sub-Assistant Engineer  
 Rayenda O&M Section-1  
 BWDB, Rayenda, Bagerhat.

District Name	RIVER NAME	Station ID	Station Name	Year	Yr. Min(m)	Yr. Max(m)	Lat(m)	Longitide
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1991	2.15	-89	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1992	2.14	-85	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1993	2.32	-80	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1994	2.40	-70	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1995	2.80	-72	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1996	2.40	-73	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1997	2.47	-75	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1998	2.80	-79	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1999	2.83	-83	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	1999	2.86	-86	
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2000	3.00	-70	1.14
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2001	2.79	-90	1.07
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2002	2.25	-35	.96
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2003	2.79	-11	1.44
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2004	2.79	-29	1.18
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2005	2.84	-07	1.40
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2006	2.80	-06	1.24
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2007	2.49	-06	1.24
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2008	2.49	-05	1.21
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2009	2.79	-05	.96
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2010	1.99	-33	.96
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2011	2.80	-08	.99
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2012	2.46	-78	.82
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2013	2.50	-88	.61
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2014	2.35	-105	.40
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2015	2.88	-125	.52
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2016	2.57	-142	.51
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2017	2.79	-126	.51
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2018	2.70	-136	.50
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2019	2.58	-137	.37
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2020	2.73	-126	.43
Bagerhat	Bagerhat Sadar	Alipur KhaI DaraTona	SW1	Bagerhat	2021	2.82	-142	.57
Md. Mahmudunnabi	(Md. Mahmudunnabi)							
Mehedi Hasan Mishtu	(Mehedi Hasan Mishtu)							
Rayenda O&M Sub-Division	Sub-Divisional Engineer (TC)							
Rayenda O&M Section	Executive Engineer(CC)							
Rayenda O&M Division	Bagerhat O&M Division							
BWDB, Rayenda, Bagerhat.	BWDB, Rayenda, Bagerhat.							
BWDB, Rayenda, Bagerhat.	BWDB, Rayenda, Bagerhat.							

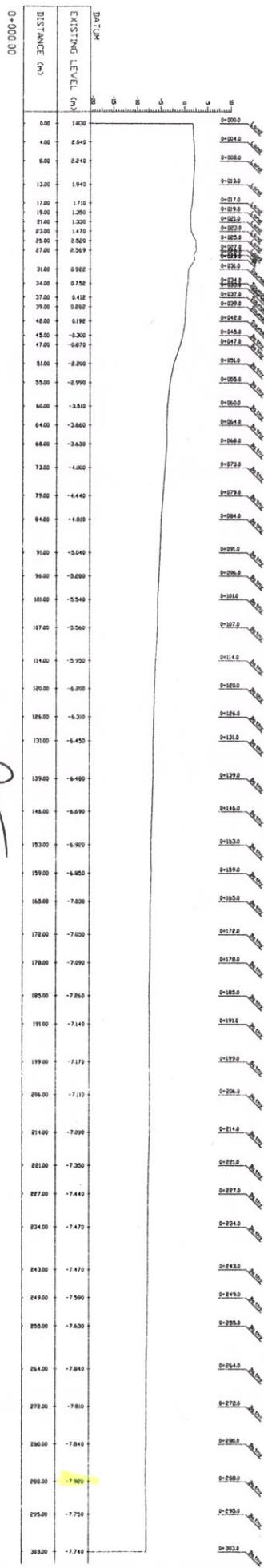
3.8.22  
K.M.W.H.

3.8.22  
K.M.W.H.

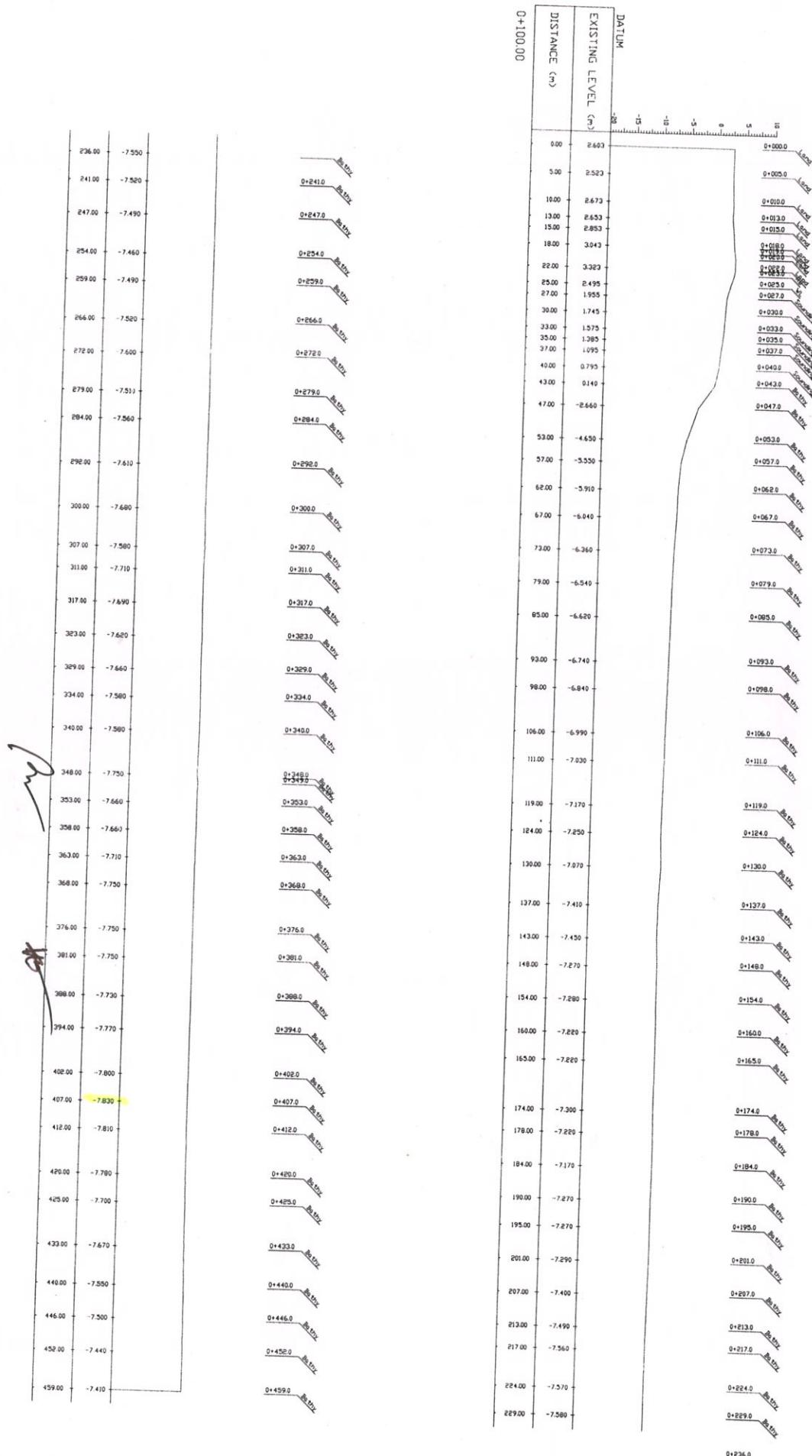
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Repair 962m

## Cross Section Ch. km. 0.000



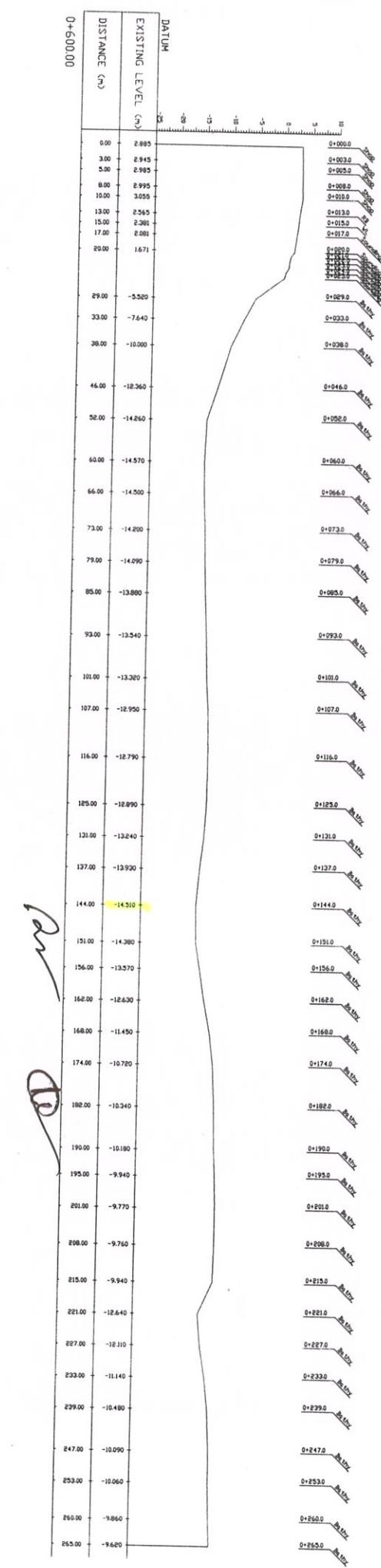
Cross Section Ch. km. 0.100



# Cross Section Ch. km. 0.200



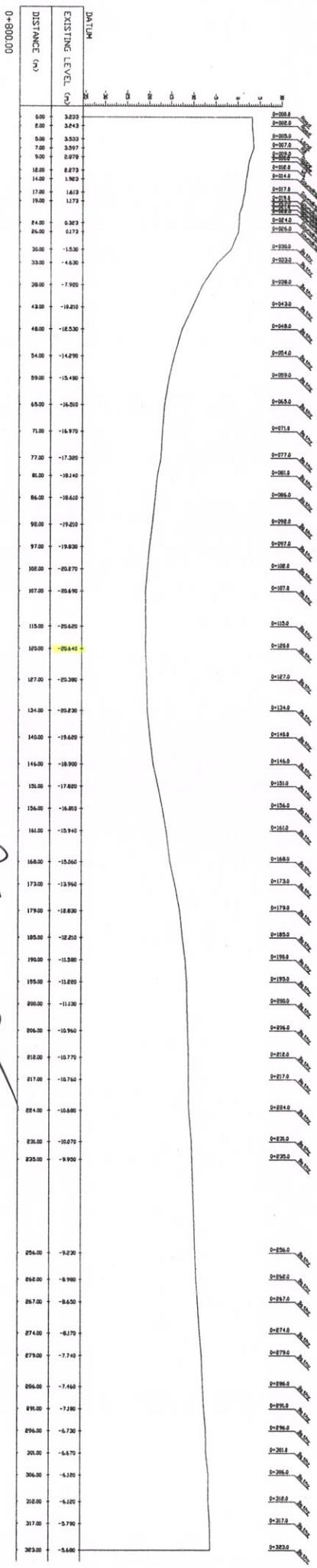
# Cross Section Ch. km. 0.600



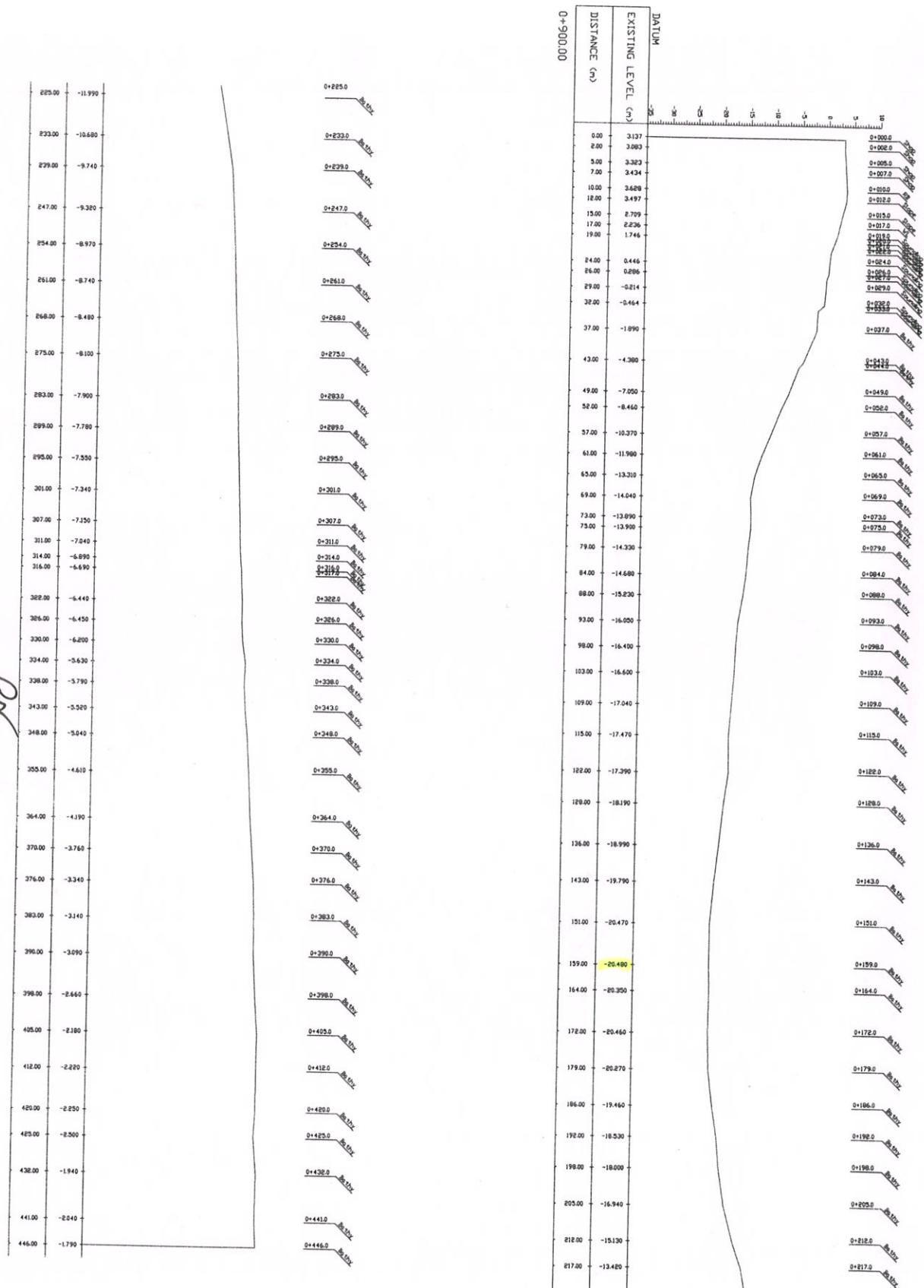
# Cross Section Ch. km. 0.700



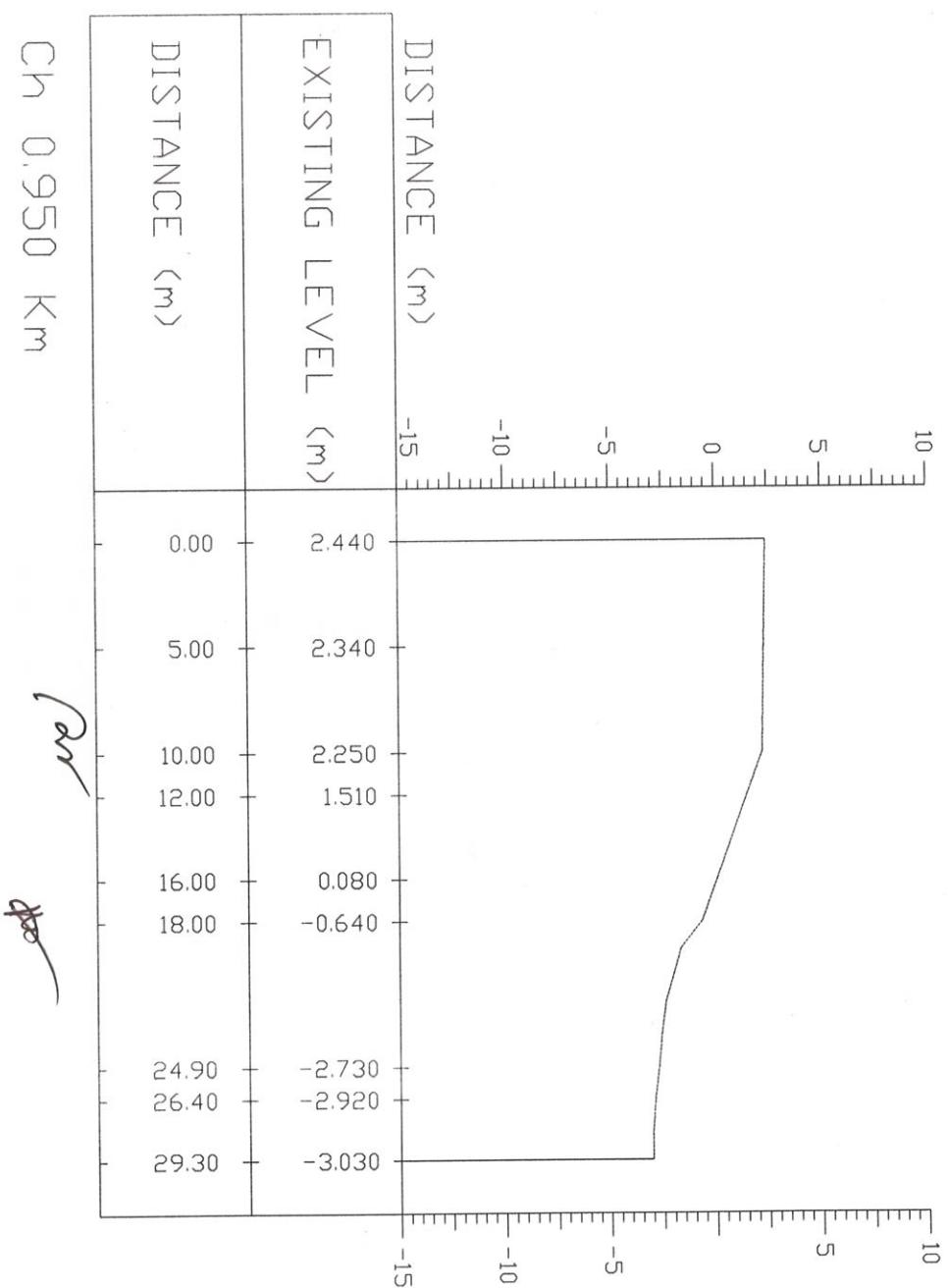
## Cross Section Ch. km. 0.800



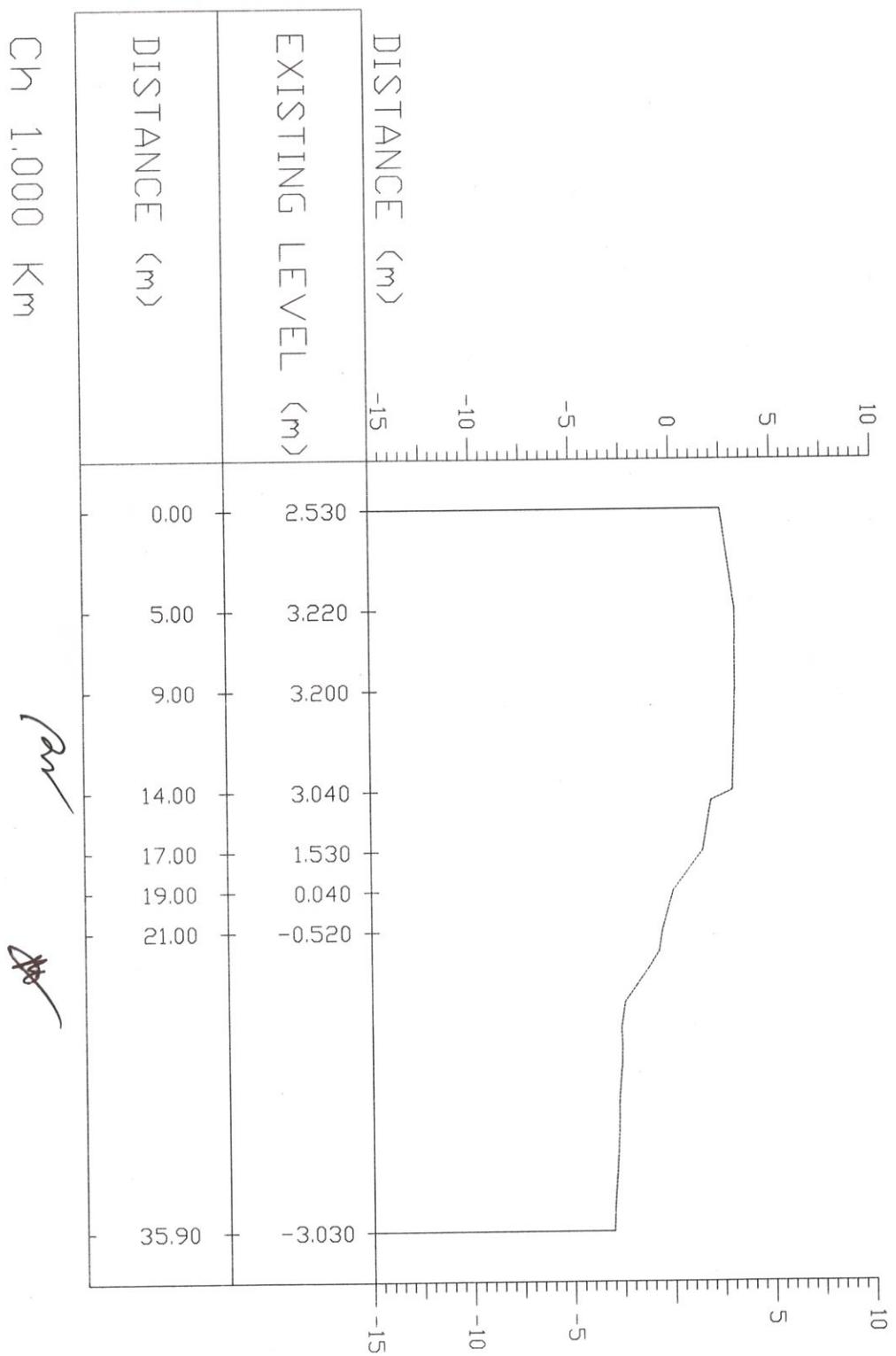
# Cross Section Ch. km. 0.900



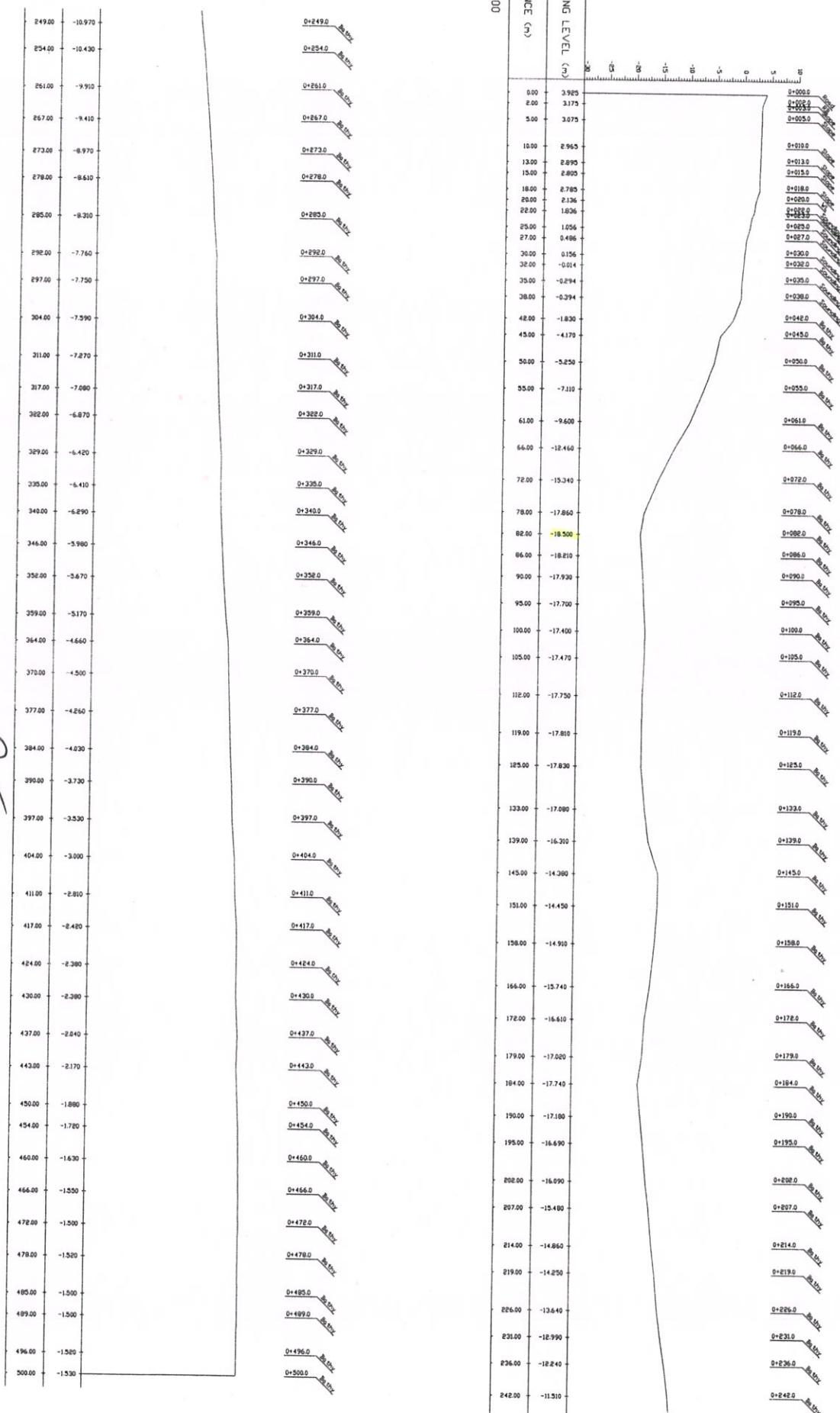
# Cross Section Morrelgonj Khal Ch. km. 0.950 (R/B)



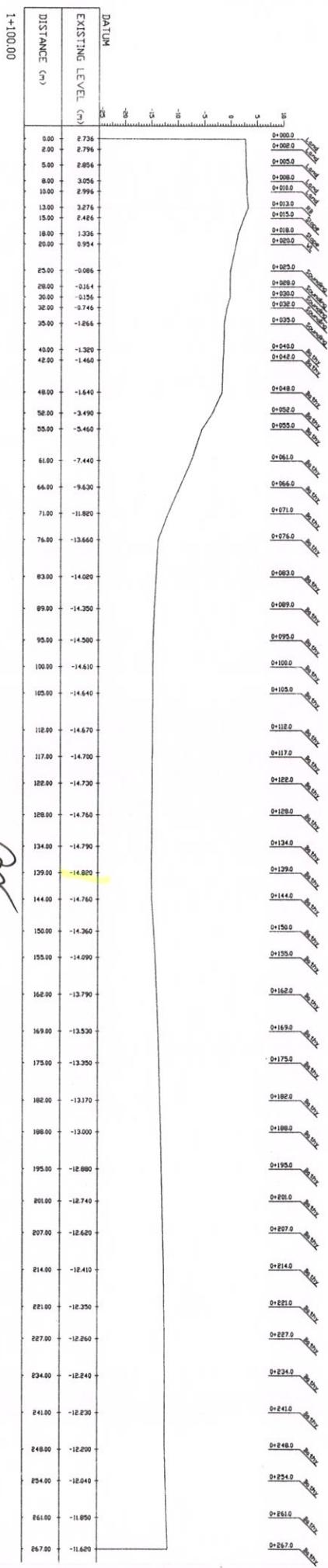
# Cross Section Morrelgonj Khal Ch. km. 1.000 (L/B)



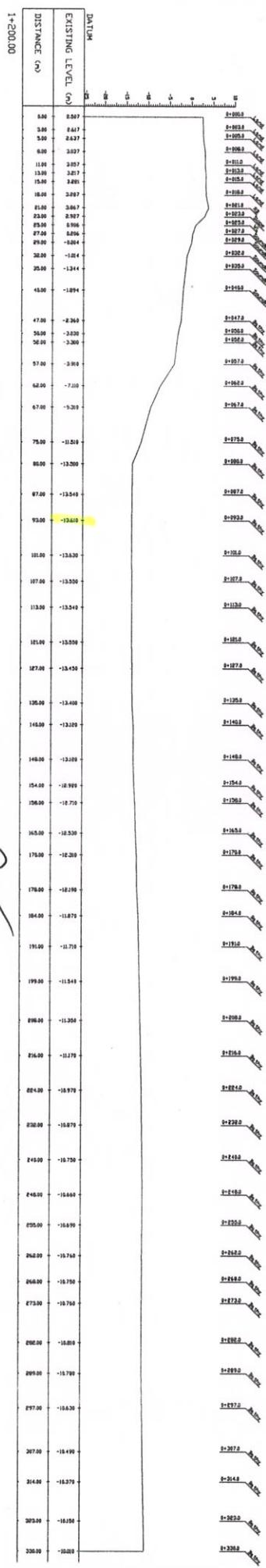
# Cross Section Ch. km. 1.000



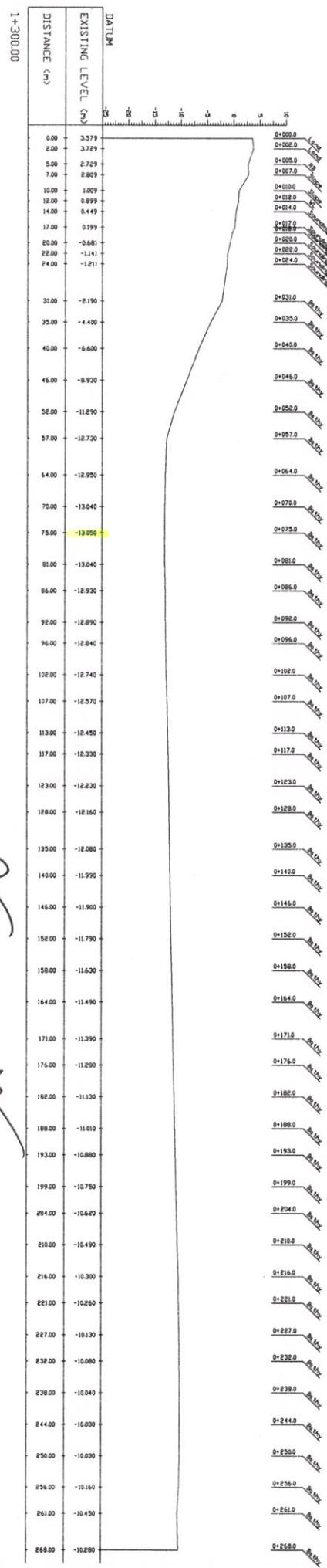
# Cross Section Ch. km. 1.100



## Cross Section Ch. km. 1.200

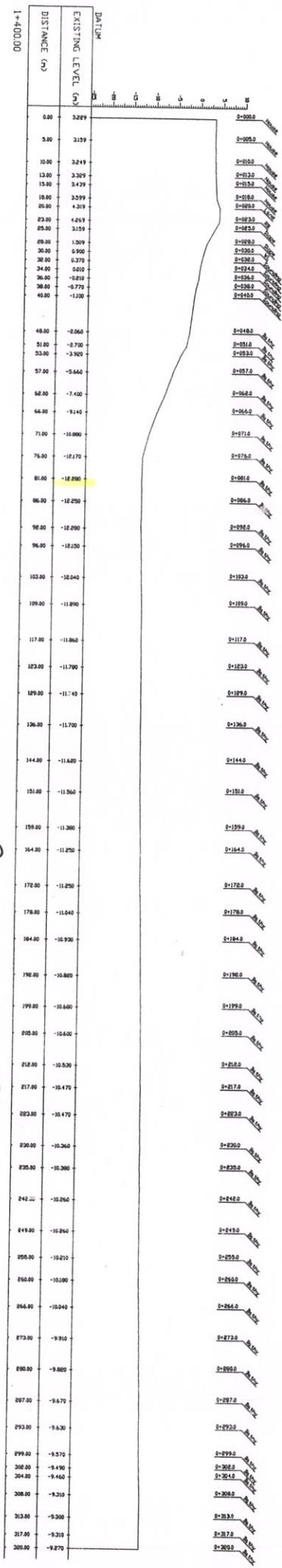


# Cross Section Ch. km. 1.300

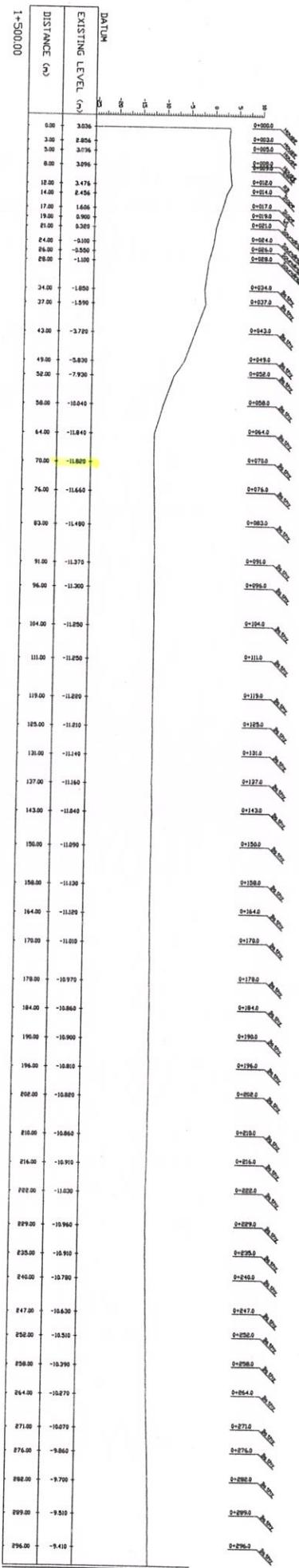


1+300.00

# Cross Section Ch. km. 1.400



# Cross Section Ch. km. 1.500



303.00	-9.266
308.00	-9.066
316.00	-8.936
322.00	-8.776
329.00	-8.576
334.00	-8.456
341.00	-8.386
348.00	-8.296
353.00	-8.036
362.00	-7.896
368.00	-7.726
374.00	-7.636
381.00	-7.536
387.00	-7.416
393.00	-7.256
400.00	-7.126
407.00	-7.096
413.00	-6.996
420.00	-6.886
427.00	-6.646
434.00	-6.536
441.00	-6.386
447.00	-6.226
454.00	-5.766
461.00	-5.516
467.00	-5.296
474.00	-4.976
480.00	-4.746
486.00	-4.436
493.00	-4.266
499.00	-4.006
505.00	-4.046
512.00	-3.816
519.00	-3.896
525.00	-3.946
532.00	-4.056
538.00	-4.186
544.00	-4.306
551.00	-4.216
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569.00	0.566

Amman 3.8.22

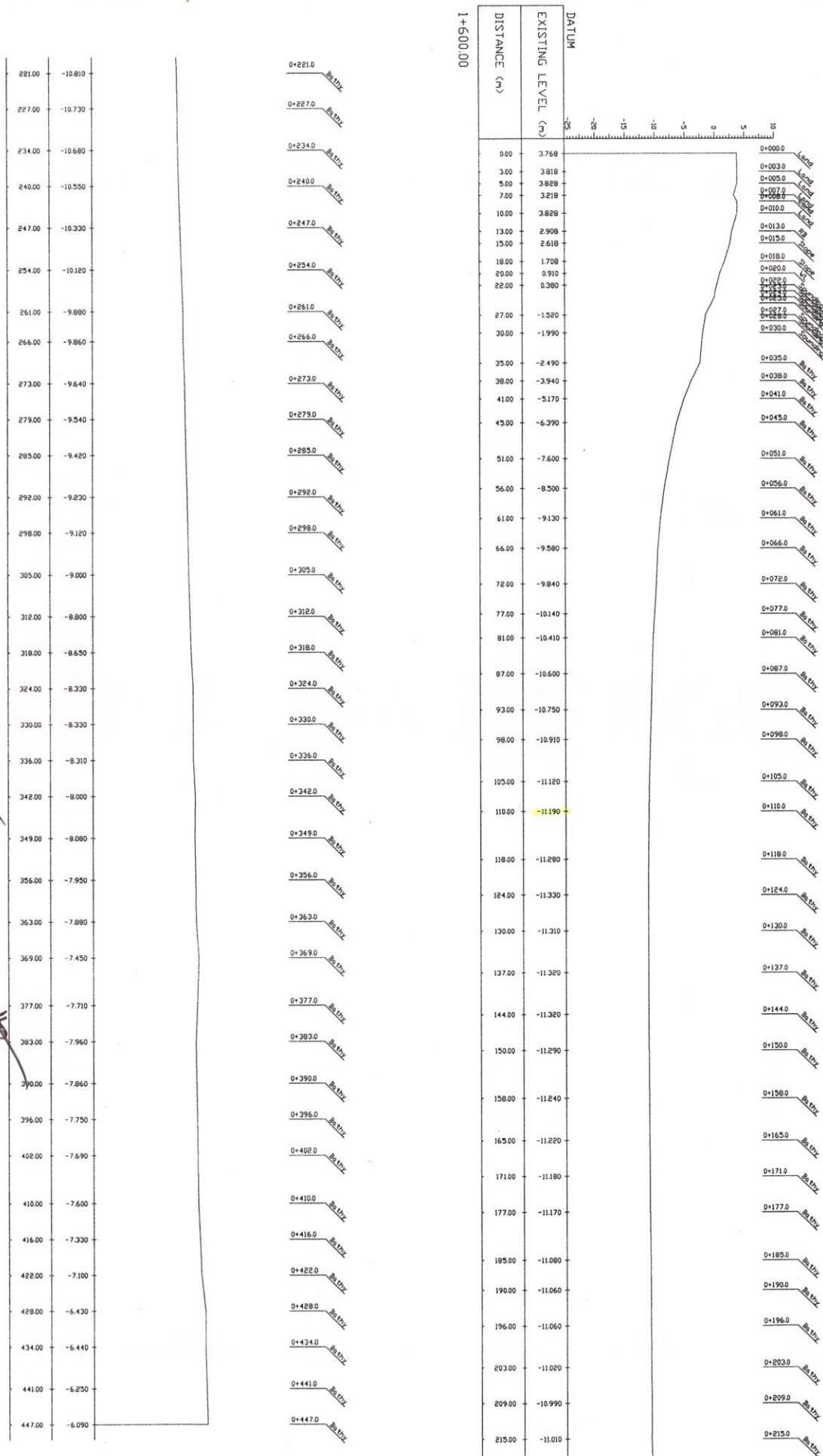
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Md. Mahmudunnabi  
Sub-Assistant Engineer  
Rayenda O&M Section-1  
BWDB, Rayenda, Bayigam.

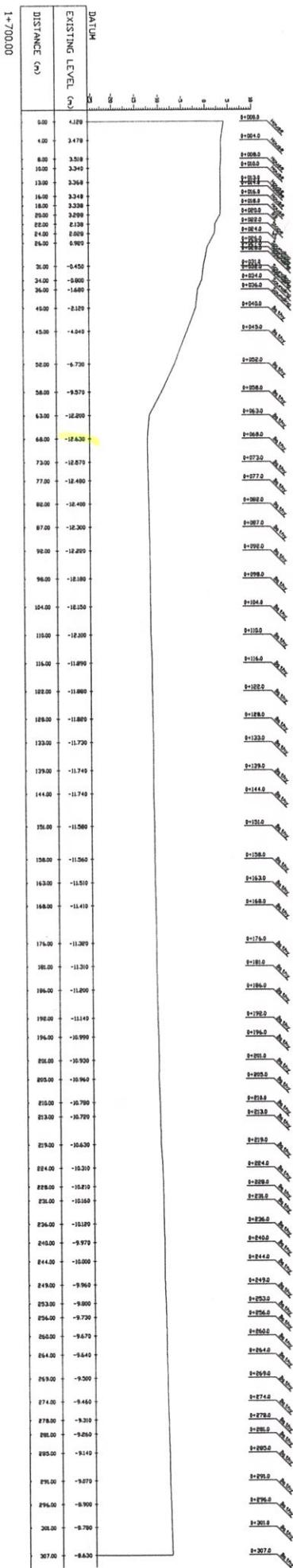
(মুক্তি প্রাপ্ত বিভাগ)  
নিরবন্ধন এবং পরিষেবা (১২ মাস)  
সার্কুলেট নং ১২২-২০০১  
বাল্যপূর্ণ পাত্র বিভাগ  
বাল্যপূর্ণ পাত্র বিভাগ  
শাখাপ্রতিবেদন পত্র উপনিষদ,  
শাখাপ্রতিবেদন, শাখাপ্রতিবেদন।

(Md. Mahmudunnabi)  
Sub-Assistant Engineer  
Rayenda O&M Section-1  
BWDB, Rayenda, Bayigam.

# Cross Section Ch. km. 1.600



## Cross Section Ch. km. 1.700



*Amran 3.8.21*

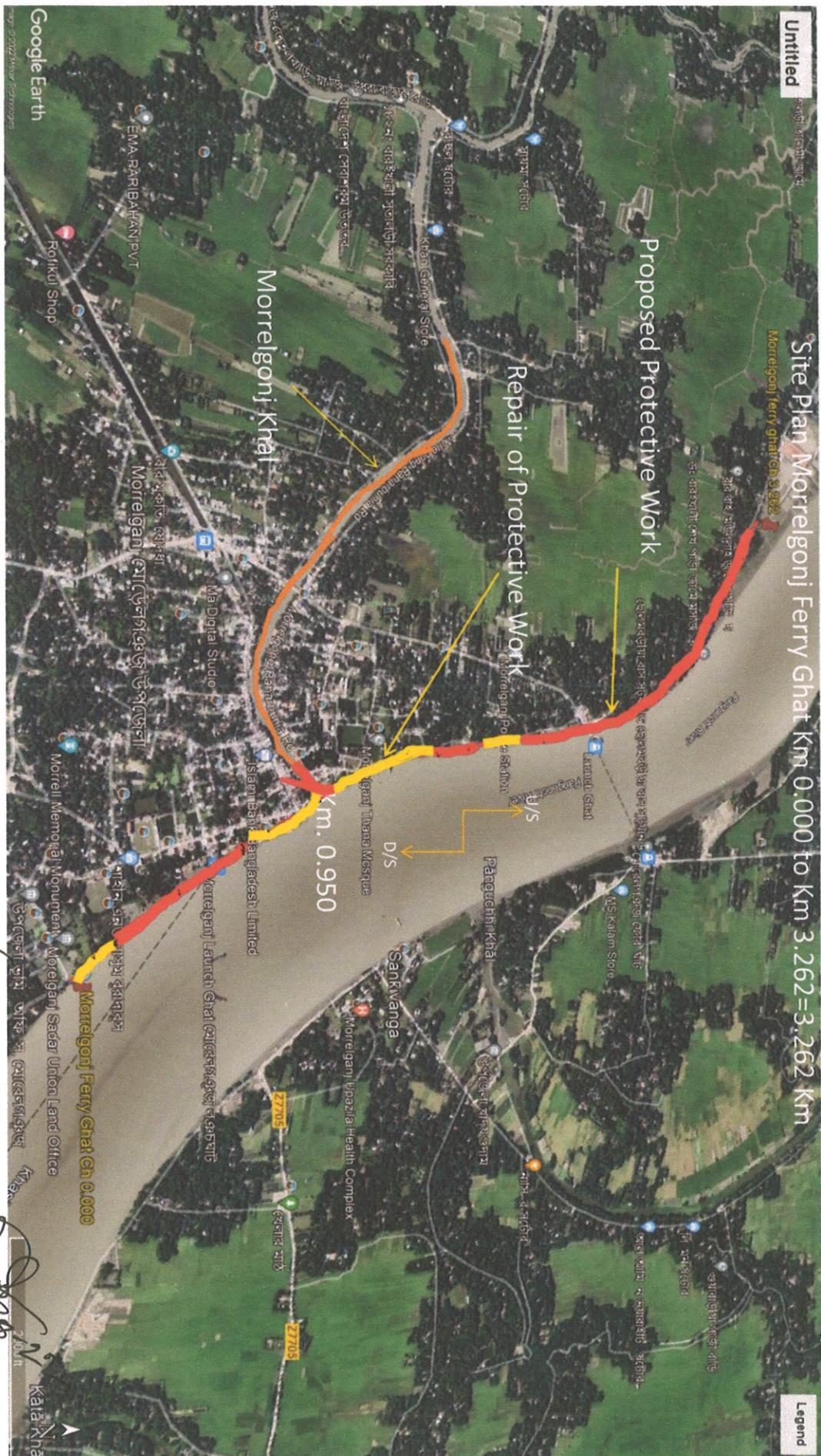
(Md. Masum Billah)  
Executive Engineer(C.C)  
Bagerhat O&M Division  
BWDB, Bagerhat

*Rabikul Haque*

(Mehedi Hasan Mistu)  
Sub-Divisional Engineer (I/C)  
Rayenda O&M Sub-Division  
BWDB, Rayenda, Bagerhat.

*Mahmudunnabi*

(Md. Mahmudunnabi)  
Sub-Assistant Engineer  
Rayenda O&M Section-1  
BWDB, Rayenda, Bagerhat



Amulya 3.212

ৰঞ্জনী পত্রিকা

(মোঃ আব্দুল বিনার  
জনসেবক পত্রিকা  
আয়োজন-নির্মাণ পর্যবেক্ষণ  
বাধ্যতা কর্তৃপক্ষ কর্তৃপক্ষ কর্তৃপক্ষ  
বাধ্যতা কর্তৃপক্ষ কর্তৃপক্ষ)

(মুদ্রণ শাস্ত্ৰীয় মিশন)  
জনসেবক পত্রিকা পত্রিকা  
জনসেবক পত্রিকা পত্রিকা

(Md. Mahbubur Rahman)  
Sub-Assistant Engineer  
Revenda Dhal Section-1  
BWDA, Revenda, Bogra.

## Site Plan Map

