

South-Western Zone, BWDB, Khulna.  
 Khulna OEM Circle, BWDB, Khulna.  
**BAGERHAT OEM DIVISION, BWDB, BAGERHAT.**

০৭/০৪/২০২২  
 SE-৩৬-

River Bank Protective Work along the Left Bank of Panguchhi River at Shimnkhali Area from km. 2.100 to km. 3.600 = 1500 m in C/W "Protection of Morelgaanj Upazila Sadar & Adjacent Areas from Erosion of Panguchhi River & Re-excavation/Dredging of Bisikhali River in Bagerhat District" Under Bagerhat OEM Division, BWDB, Bagerhat.

**FOR**  
**DESIGN DATA**



ଦ୍ୱାରା କାହିଁଏବେ ପାଇଲା ତାଙ୍କ ମଧ୍ୟରେ  
କାହିଁଏବେ ପାଇଲା ତାଙ୍କ ମଧ୍ୟରେ  
(କାହିଁଏବେ ପାଇଲା ତାଙ୍କ ମଧ୍ୟରେ)  
(କାହିଁଏବେ ପାଇଲା ତାଙ୍କ ମଧ୍ୟରେ)

٤٢٨-٣-١٩٦٧

- ၅) KMZ File (E-mail က ပေါ်ပါ ဖို့၏။)

Design 9 N/mm<sup>2</sup> Strength 18 N/mm<sup>2</sup> Working Strength 18 N/mm<sup>2</sup> Design 9 N/mm<sup>2</sup> Strength 18 N/mm<sup>2</sup> Working Strength 18 N/mm<sup>2</sup>

۱۶۷ مکالمه ایشان را در کتابخانه ملی ایران پیدا کردند و آن را با عنوان *ایشان* منتشر کردند. این کتاب در سال ۱۳۰۰ میلادی در ایالات متحده آمریکا نیز منتشر شد.

ପାତ୍ରମାନଙ୍କ ଶବ୍ଦଗୀତି

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ପ୍ରାଚୀ ପାତ୍ର | ୧୦

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فَلِلّٰهِ الْكَبُورُ

01	Location	: Morrelgoni, Bagerhat
02	Tidal or non Tidal	: Tidal
03	River Bank Side of Panguchhi River	: Right Bank
04	Hydrological Gauge Station	: SWI (Dartama River, Bagerhat)
05	Hydrological Data of Gauge Station	: Enclosed.
06	Distance of gauge station from the location	: 17.00 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 Shonashhi to Khaulia)
09	Highest Water Level	: 3.00 m PWD (2001)
10	Lowest Water Level	: -1.42 m PWD (201)
11	Rainfall of the locality in mm/day	: Enclosed.
12	Cross section of Panguchhi River at Sinnikhal Area	: Enclosed (16 nos.).
13	Autocad Drawing of Cross Section	: Enclosed.
14	Location Map showing the scheme	: Enclosed.
15	Site Plan	: Enclosed.

**DATA CHECKLIST FOR RIVER BANK PROTECTIVE WORK AT SINNIKHALI FROM KM 2.100 TO KM. 3.600 = 1500 M**

(Md. Mahmudunnabi)  
Sub-Assistant Engineer  
Bagerhat

(Md. Hasan Mishuk)  
Sub-Divisional Engineer (I/C)  
Rayenda OEM Sub-Division  
Rayenda OEM Sector-1  
Bagerhat

(Md. Masum Billah)  
Executive Engineer(C.C)  
Bagerhat OEM Division  
Bagerhat

63/08/2022

63/08/2022

3.8.22

**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	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	0.00										

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

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

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

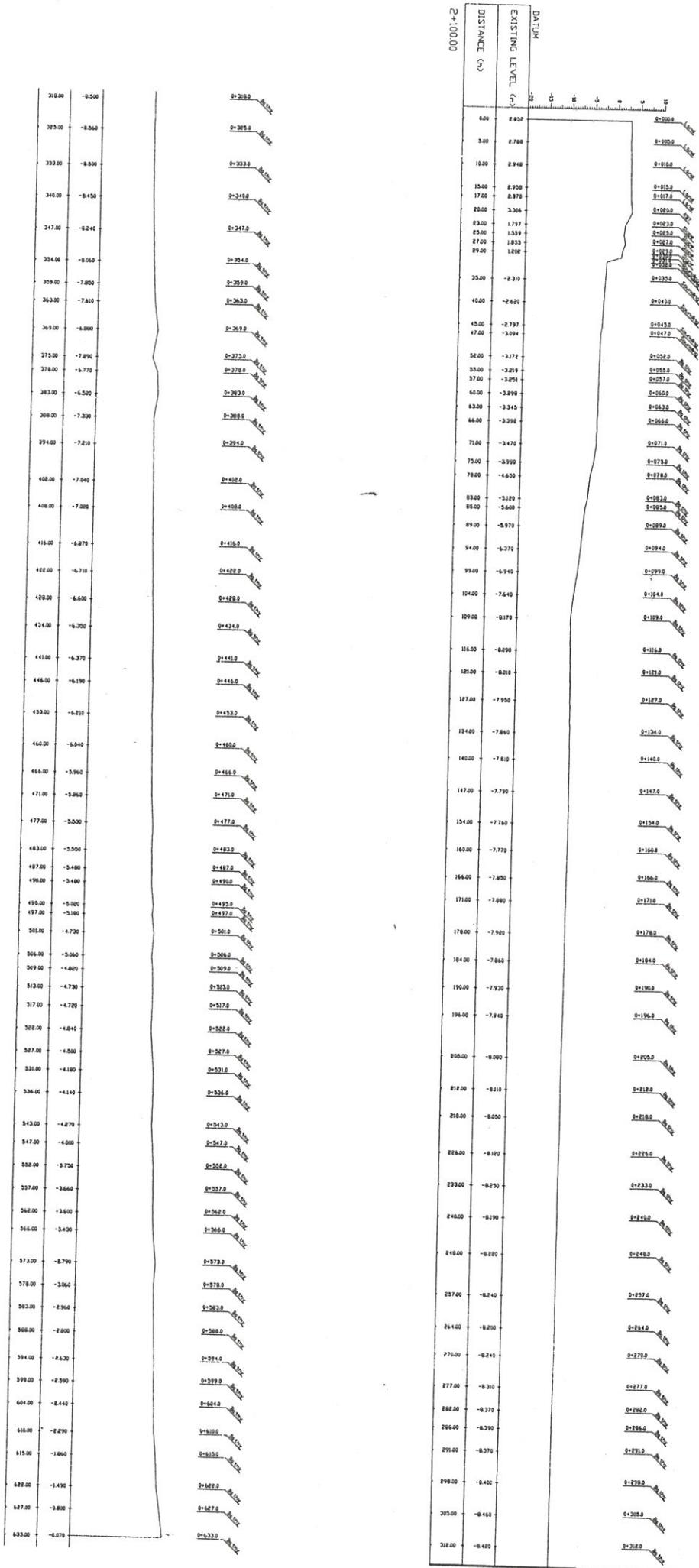
District Name	UPZL NAME	RIVER NAME	Station ID	Station Name	Year	Yr. Max(m)	Yr. Min(m)	Yr. Ave(m)	Latitude	Longitude
Yearly Gauge Reading Station, Bagherhat Gauging Station No. SWI (Draftana-River)										
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1991	2.15	.89	.83	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1992	2.14	-.85	.83	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1993	2.32	-.80	.87	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1994	2.26	-.70	.83	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1995	2.80	-.72	.86	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1996	2.40	-.73	.98	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1997	2.47	-.75	.79	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1998	2.80	-.83	.93	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	1999	2.60	-.85	.18	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2000	2.79	-.90	1.07	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2001	3.00	-.70	1.14	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2002	2.25	-.35	.96	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2003	2.79	-.11	1.44	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2004	2.79	-.29	1.18	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2005	2.84	-.07	1.40	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2006	2.25	-.44	1.24	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2007	2.80	-.80	.99	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2008	2.46	-.78	.82	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2009	2.19	-.66	.96	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2010	1.99	-.33	.96	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2011	2.05	-.1.25	.52	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2012	2.06	-.1.25	.51	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2013	2.05	-.1.25	.40	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2014	2.35	-.1.05	.61	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2015	2.88	-.1.42	.52	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2016	2.79	-.1.26	.51	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2017	2.70	-.1.36	.50	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2018	2.58	-.1.37	.51	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2019	2.58	-.1.37	.51	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2020	2.73	-.1.26	.43	22.64780	89.81000
Bagherhat	Bagherhat Sadar	Alappur Khal Draftana	SWI	Bagherhat	2021	2.82	-.1.42	.57	22.64780	89.81000
(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)	(Md. Mahmudunnabi)
Rayenada QDM Sub-Division-1	Sub-Assistant Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)
Rayenada QDM Sub-Division-1	Sub-Assistant Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)	Executive Engineer (C)
BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat	BWDB, Rayenada, Bagherhat

38/22  
Md. Nasim Billah

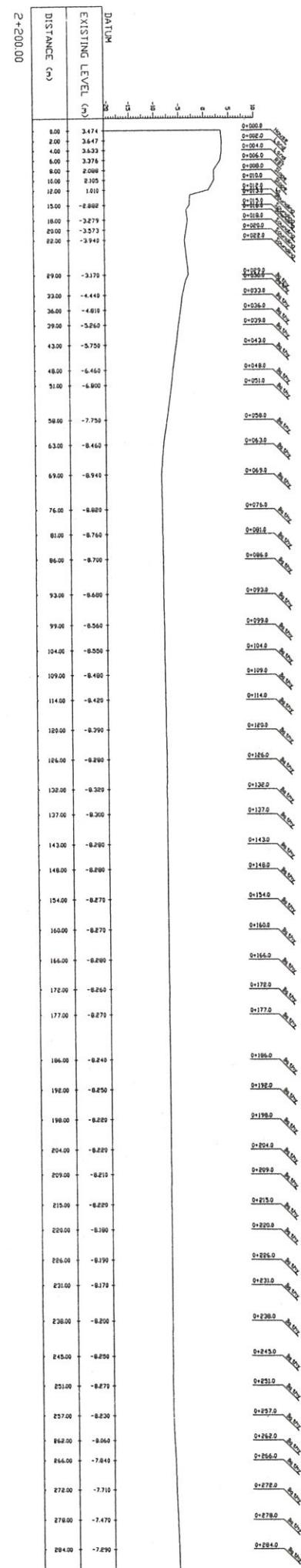
38/22  
Md. Nasim Billah

Sinnikkali - 10.500 Km

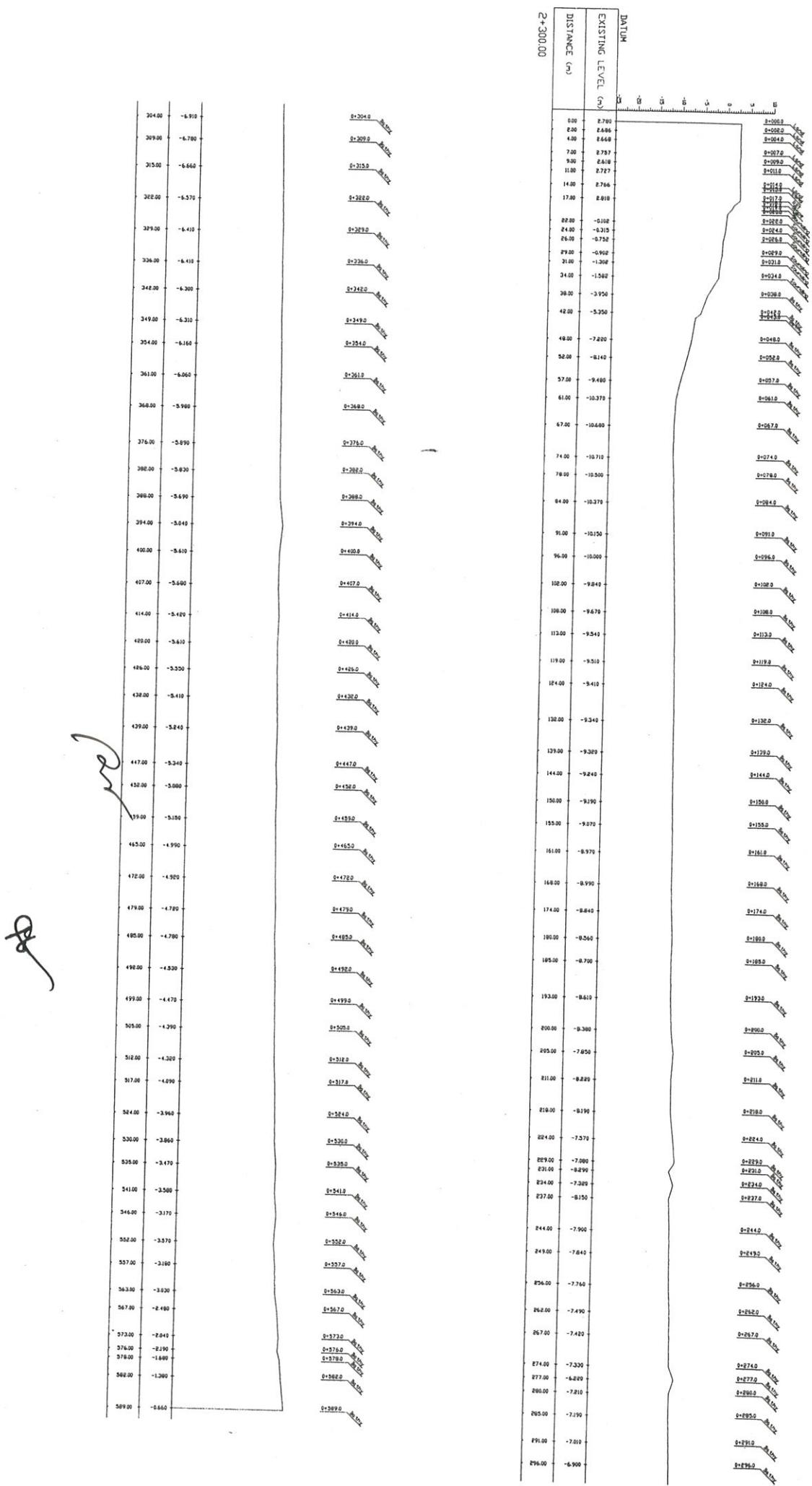
## Cross Section Ch. km. 2.100



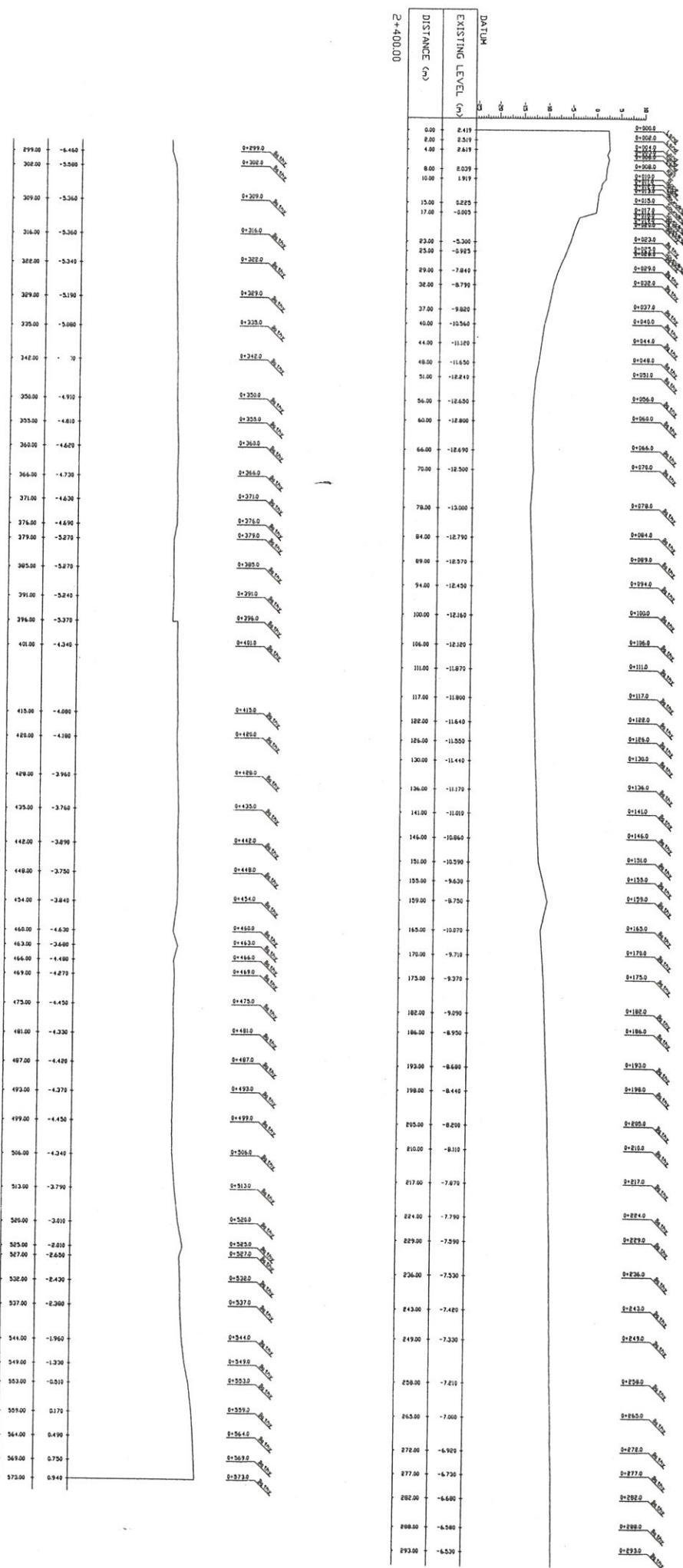
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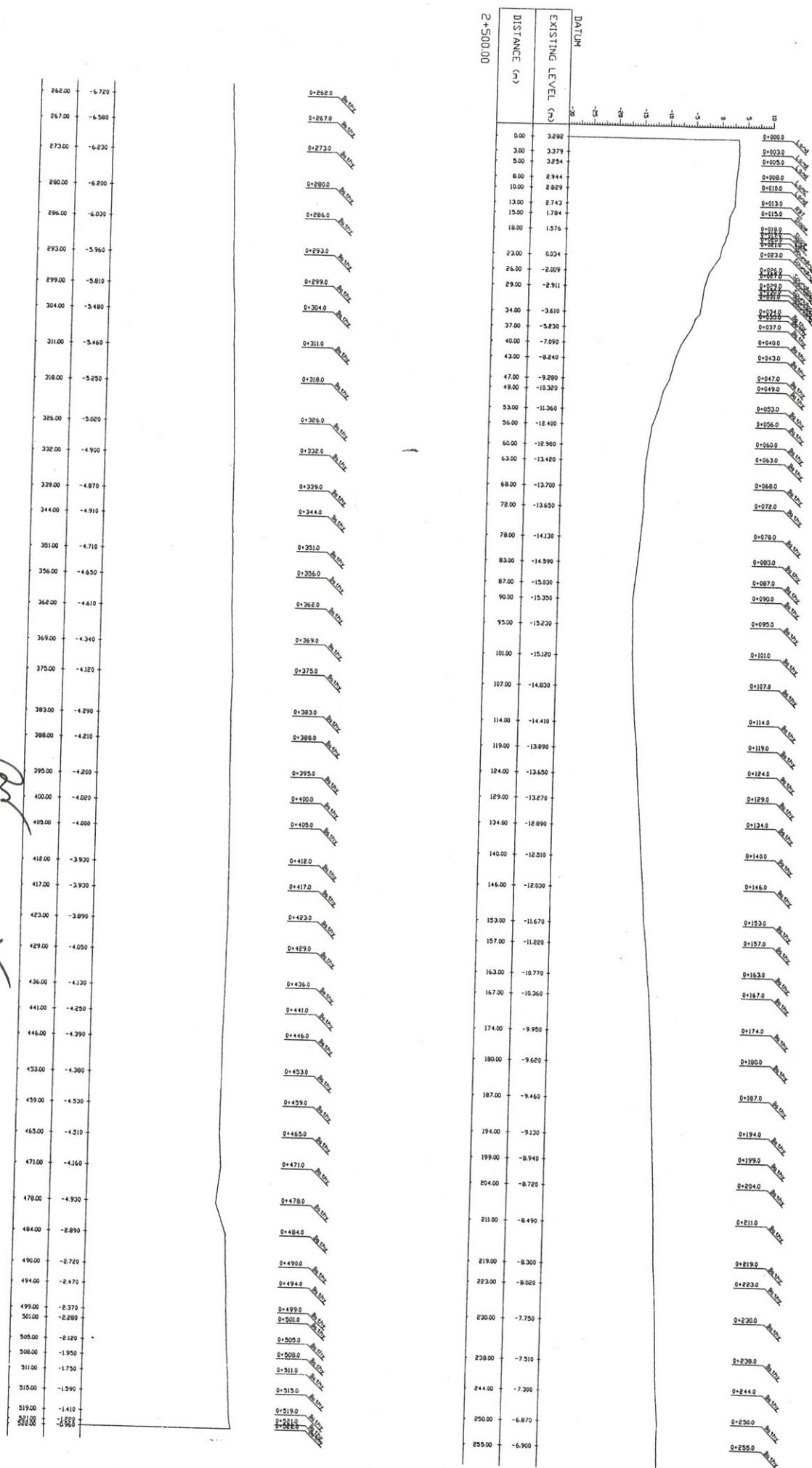
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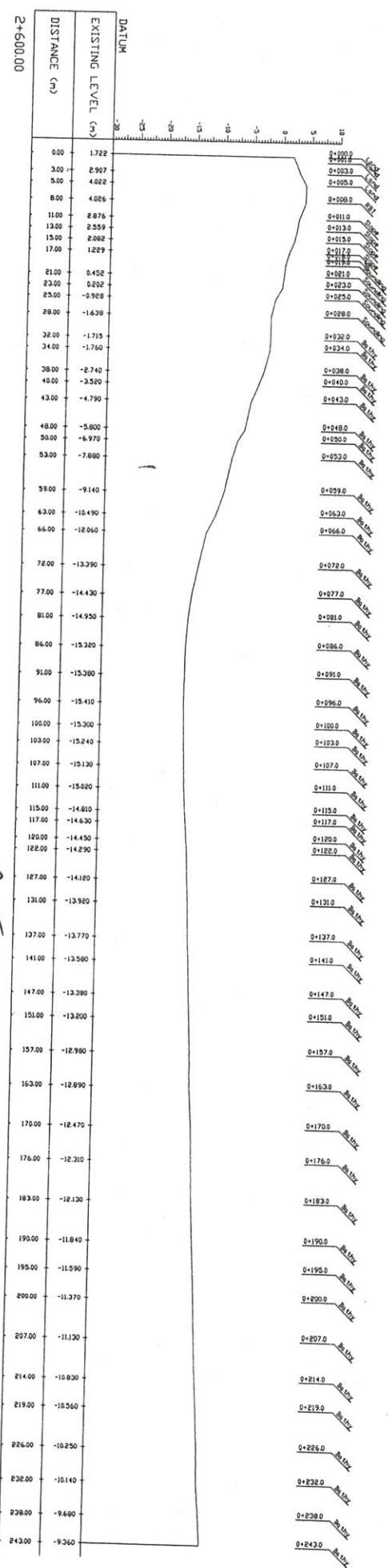
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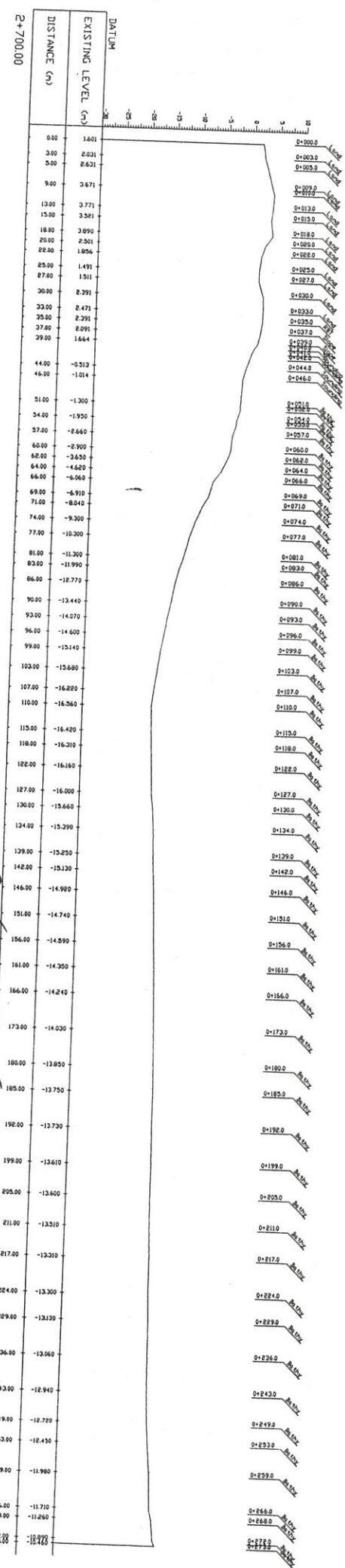
# Cross Section Ch. km. 2.500



## Cross Section Ch. km. 2.600

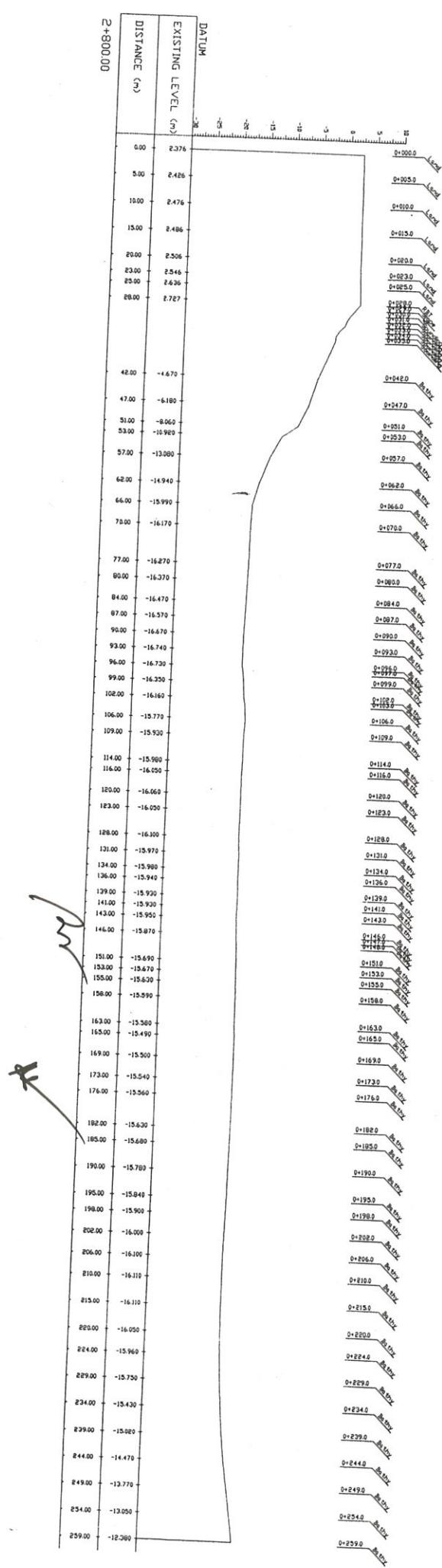


# Cross Section Ch. km. 2.700

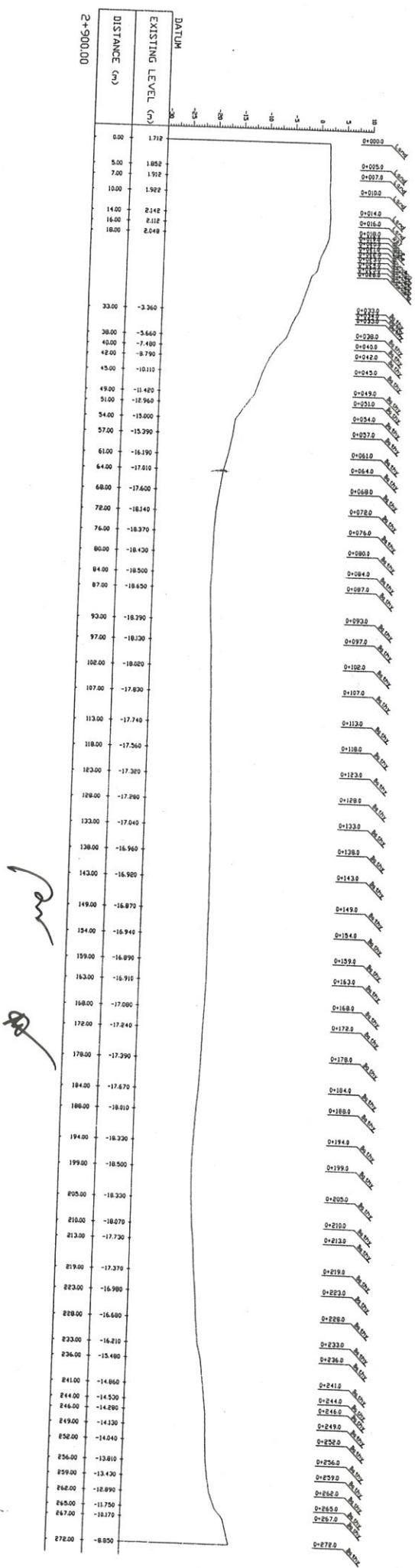


# Cross Section Ch. km. 2.800

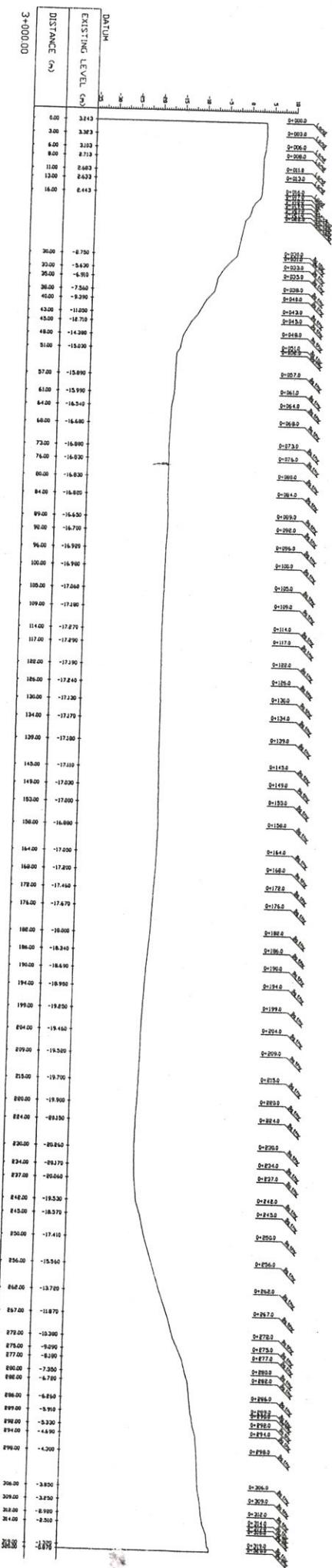
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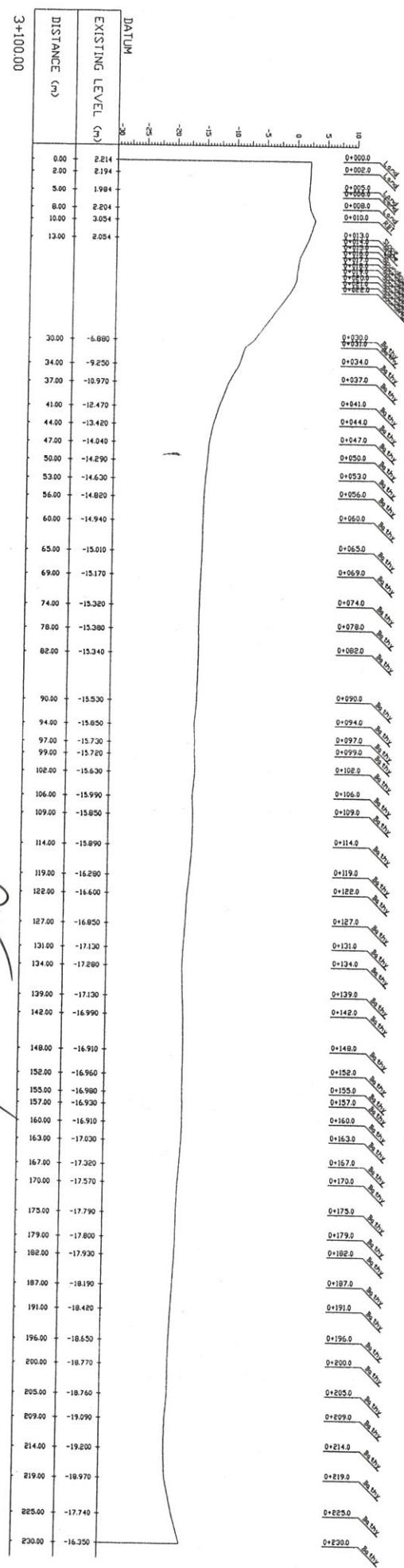
# Cross Section Ch. km. 2.900



### Cross Section Ch. km. 3.000

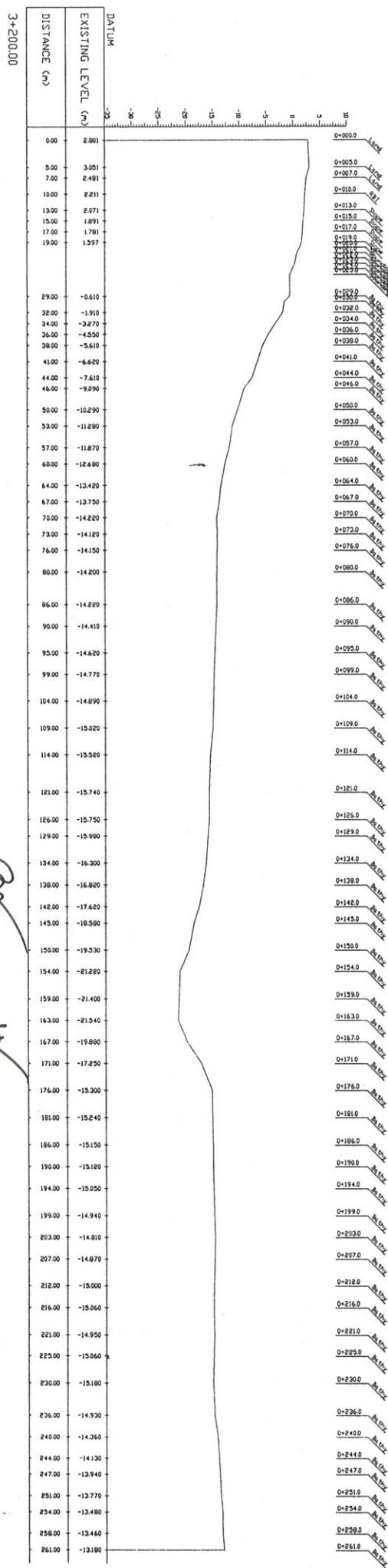


# Cross Section Ch. km. 3.100

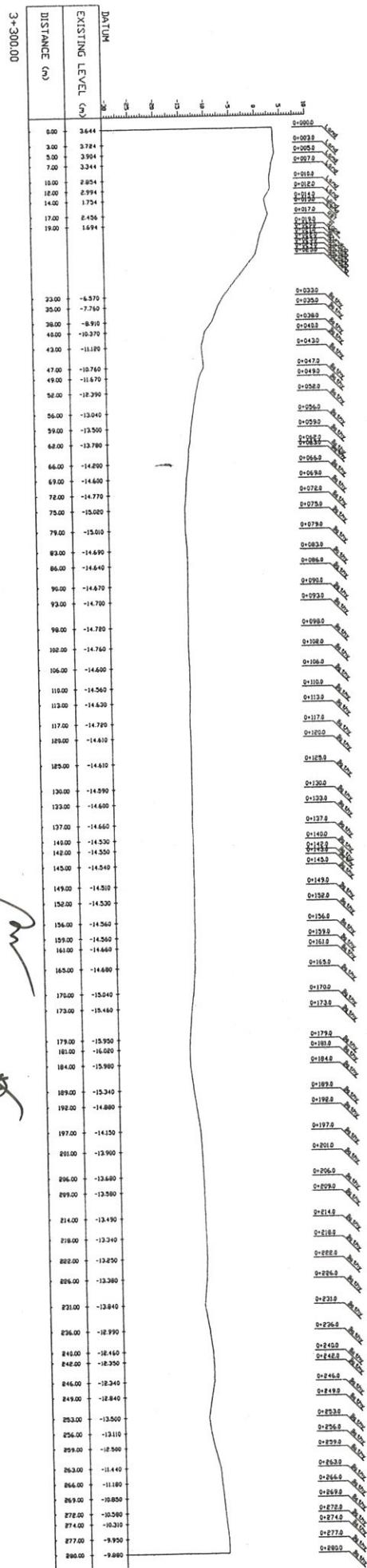


# Cross Section Ch. km. 3.200

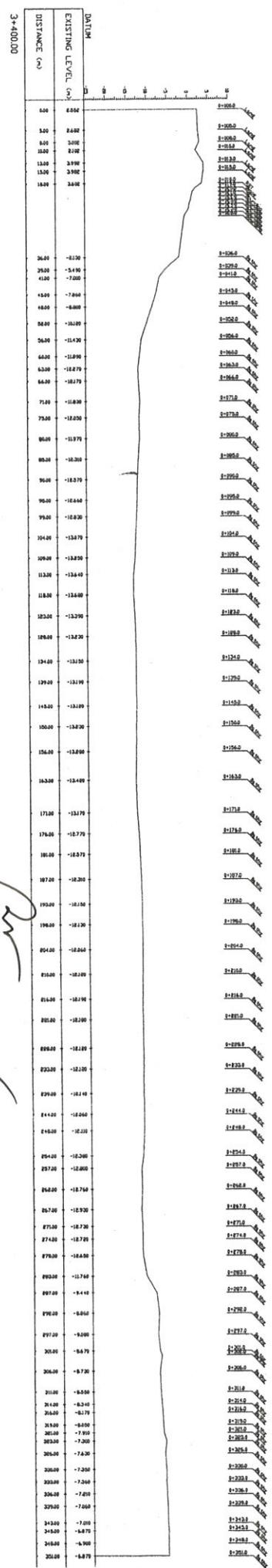
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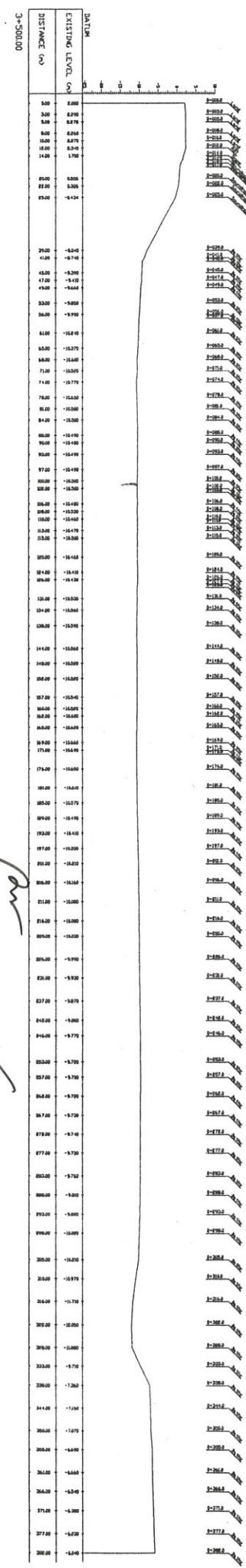
# Cross Section Ch. km. 3.300



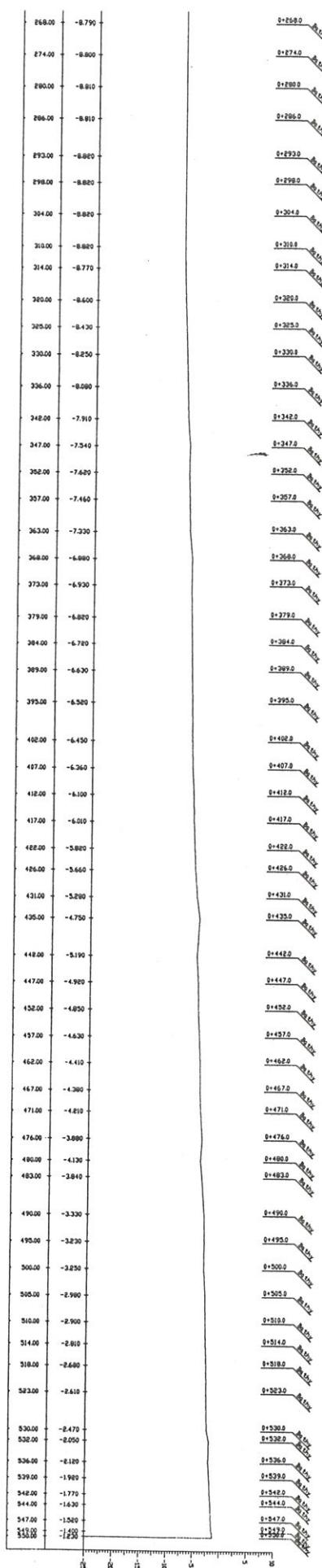
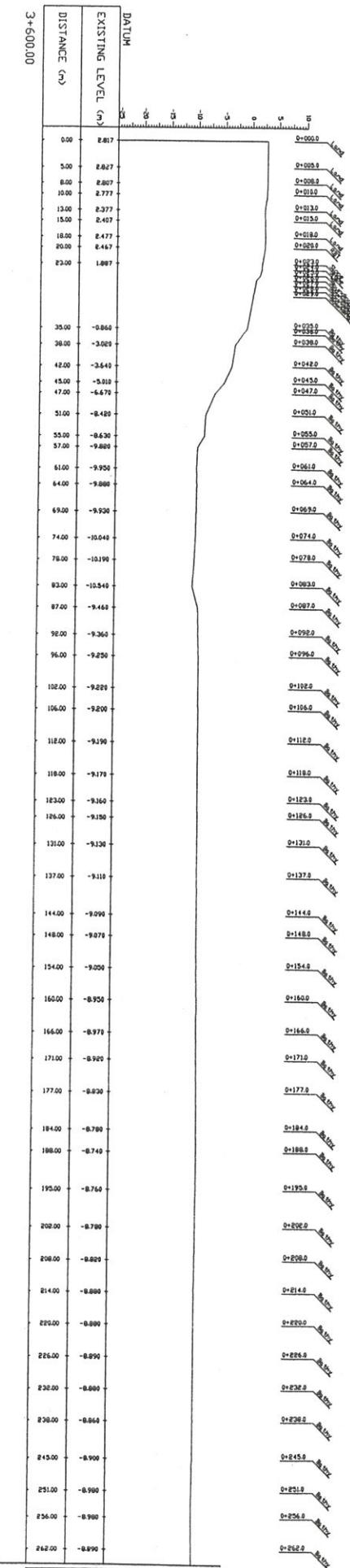
# Cross Section Ch. km. 3.400



### Cross Section Ch. km. 3.500



Cross Section Ch. km. 3.600



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(Md. Mahtrudunnabi)  
Sub-Assistant Engineer  
Dawooda D&M Section-1  
In-charge

ମୁଖ୍ୟ ପାତ୍ରଙ୍କ ବିଦ୍ୟୁତ  
ଆଇଟ୍ ନଂ - ୧୦୨୨୦୦୧  
ବାଗେରହାଟ୍ ପଞ୍ଚବ ବିଭାଗ  
ବାଗାତ୍ମଳେ, ବାଗେରହାଟ୍ ।

**ମେହେଦା ହାଜିଲି ମୀଡ଼ିଆ  
ଟିପ୍-ବିଭାଗୀସ ଥାରୋମଣୀ (ତେରମୟାତ)  
ଯାଦ୍ୟନ୍ଦା ପତ୍ର ଟିପ୍-ବିଭାଗୀ**

ମୁହଁସା ହାଜାଲି ପ୍ରକଟିକ  
ତୃପ୍ତିବିଜୀମ ଶକୋମି (ତମିଳ)

Untitled

Site Plan Morrelgonj Ferry Ghat Km 2.100 to Km 3.600=1.500 Km

## Proposed Protective Work

Pangungk  
Sinnikhali Ch 3.600

Solombaria Buss Stand

D/S Khasakhal River

**Sinhika** Ch. 2. 100

Dona/Patabariha Baitulha Jamay Mosjid

**Site Plan Morrelgonj Ferry Ghat Km 2.100 to Km 3.600=1.500 Km**

This site plan shows a stretch of the Padma River between two ghat points, Shimkhali Ch 2.100 and Shimkhali Ch 3.600. The river is depicted in green, and the land area is in brown. A red line indicates the proposed protective work along the riverbank. Yellow arrows point from labels to specific locations: 'U/S' points to the upstream side of the river, 'D/S' points to the downstream side, and 'Khalakandi Rvc' points to a road or railway crossing. Other labels include 'HBL Brick Field', 'Solombaria Bus Stand', 'Dona Patalbaria Baitululamay Mosjid', 'Shimkhali Ch 2.100', 'Shimkhali Ch 3.600', 'Padma River', and 'Khalakandi Rvc'. The map also features several blue dots representing landmarks like 'Baitululamay Jame Masjid' and 'DMPB DSS'. A north arrow is located in the bottom left corner, and a scale bar indicating 1000m is in the bottom right corner.

(ମେହୁର ଆମ୍ବାମ କିଳାର) ।  
ନିବାରୀ ପାତ୍ରଗାନୀ (ଜେ ଶାର) ।  
ଆମ୍ବଟ ମୁଁ ୧୦୨୨୨୦୦୧୨  
ଆମ୍ବଗୁରୁହାରୀ ପାତ୍ରର ବିଭାଗ  
ବାଲାଟିମେ, ବାଲଗୁରୁହାରୀ ।

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

## Site Plan Map

