

**BANGLADESH WATER DEVELOPMENT BOARD**

*Handwritten:*  
SE-543 (25/10/2021)




**DESIGN DATA  
For**

Construction of 2 nos foot bridge over Kalisankorpur khal in C/W  
Rehabilitation of Madhumoti - Nabaganga Sub-Project and Re-  
excavation/Dredging of Nabaganga River to Revival and Conservation of  
Environmental Balance in Lohagara Upazila of Narail District under  
Narail O & M Division, BWDB, Narail.

Package No.: W-4/21-22

Name of Circle	Name of Division	Name of Sub-Division
: Jashore O&M Circle, BWDB, Khulna.	: Narail O&M Division, BWDB, Narail.	: Lohagara O&M Sub-Division, BWDB, Narail.

1. ପ୍ରକାଶନ : 1997  
 2. ପ୍ରକାଶନ : 1997  
 3. ପ୍ରକାଶନ : 1997  
 (କିମ୍ବା ପ୍ରକାଶନ)  
 1997  


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# DATA CHECKLIST

For

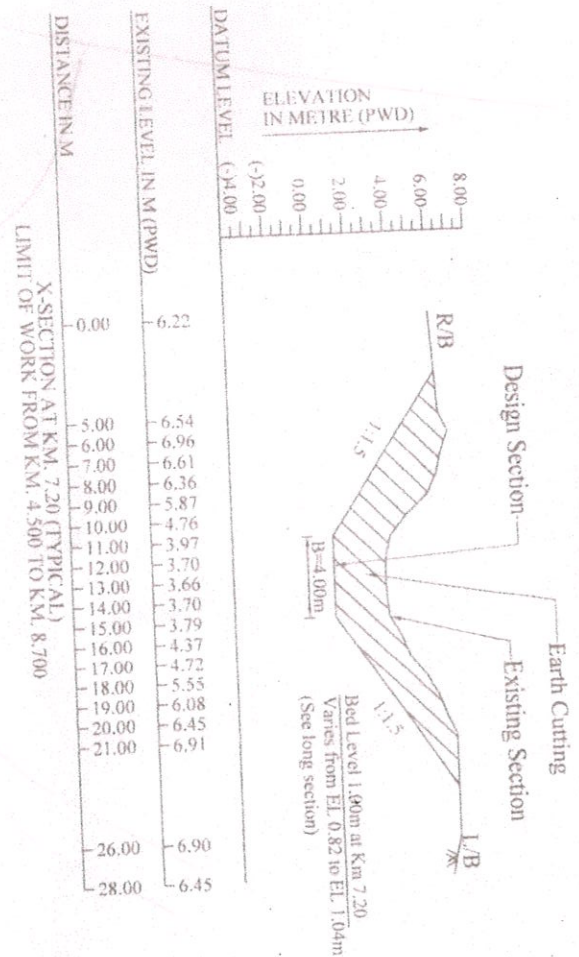
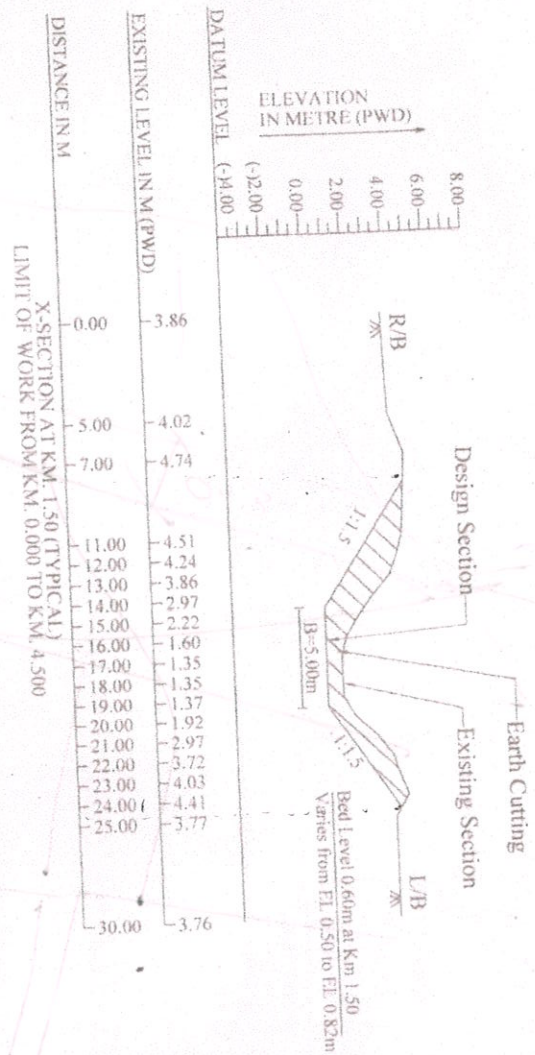
Construction of 2 nos foot bridge over Kalisankorpur khal in C/W Rehabilitation of Madhumoti - Nabaganga Sub-Project and Re-excavation/Dredging of Nabaganga River to Revival and Conservation of Environmental Balance in Lohagora Upazila of Narail District under Narail O & M Division, BWDB, Narail.

1.	Length of the Khal	8.700 km.
2.	Outfall of the Khal	Isamoti Beel
3.	Off take of the Khal	Bawor Area
4.	Distance of gauge station of 102 No. Bhatiapara Bazar from working site	32.000 km (Down stream)
5.	Catchment Area of the Khal	870.00 hectare. ( approximately).
6.	Position / Location in Google Map	Attached
7.	Design Cross Section of khal at Proposed Position of Khal	Attached
8.	Location of Foot Bridge	At No.: 1-at km 5.060 At No.: 2-at km 5.750
9.	a) Rainfall data for last 20 years. b) Station ID	Attached R - 461, Narail
10.	Proposed Length of the Foot Bridge	20.00m
11.	Proposed Width of the Foot Bridge	5.00m

(Rahin Barai)  
Sub-Assistant Engineer  
Lohagora O&M Section - 3  
BWDB, Narail.

(Swapan Kumar Ghosh)  
Sub-Divisional Engineer  
Lohagora O&M Sub-Division  
BWDB, Narail.

(Uzzwal Kumar Sen)  
Executive Engineer  
Narail O & M Division  
BWDB, Narail.



# Bangladesh Water Development Board

Office of the Superintending Engineer  
Design Circle-5

"Rehabilitation of Madhumati-Nabaganj Sub-project and Re-excavation/Deepening of Nabaganj River for Revival and Conservation of Environmental Balance"

Re-excavation of Kailsankorpur Khai from KM 0.000 to KM 8.700=8.700 KM in Upazila: Lohagara, Dist: Narail Under Narail O&M division, BWDB, Narail.

Cross Section of Kailsankorpur Khai

DESIGNED BY

*Osama*

APPROVED BY

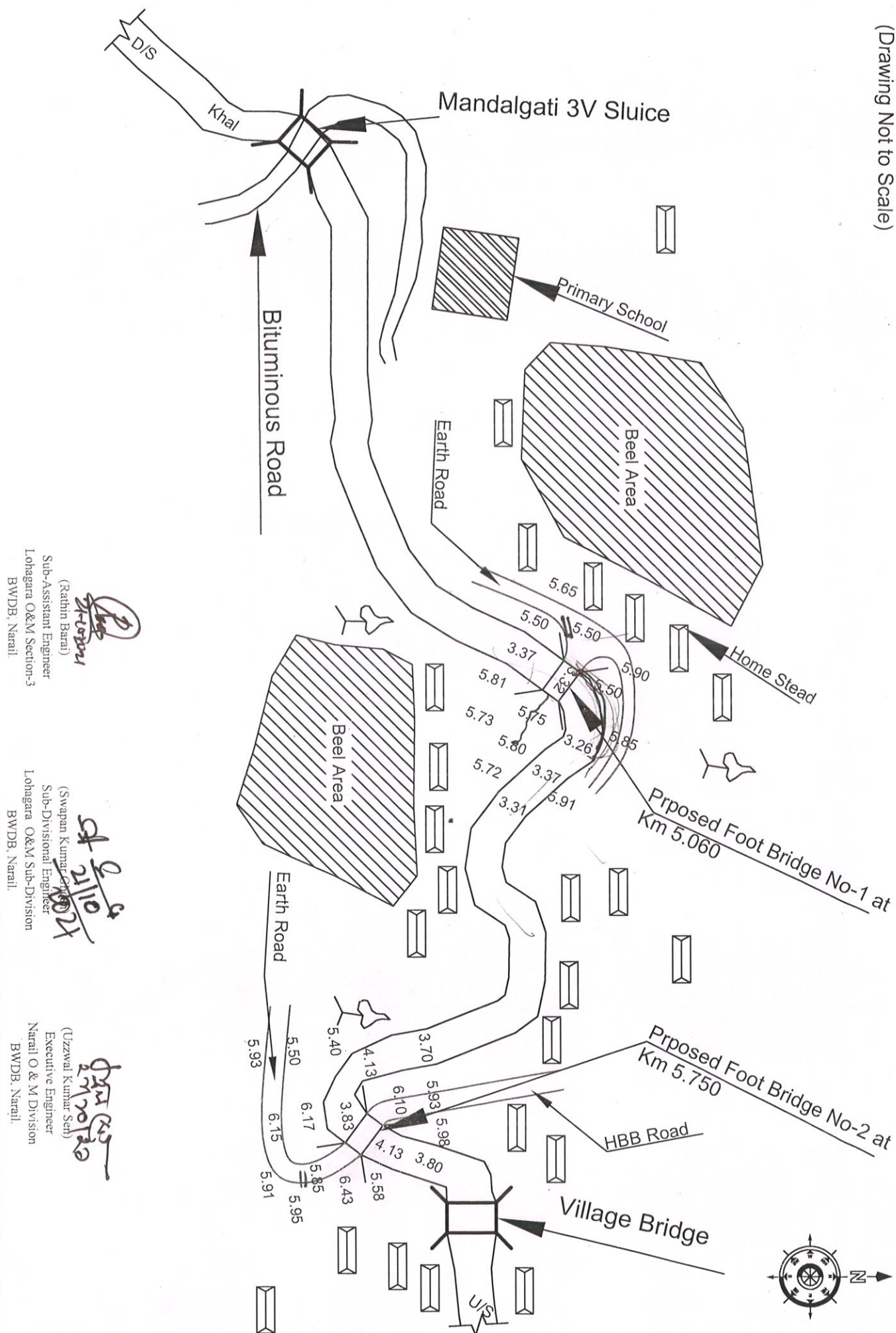
MOJIBUL KAMAR SAHA SID  
CHECKED & RECOMMENDED BY

*Amr*

MD MAHFIJUR RAHMAN, SE

DATE: 06-10-2020 DWG NO.: DC-5-5199-05/06





  
(Uzzwal Kumar Seth)  
Executive Engineer  
Narail O & M Division  
BWDB, Narail.



## Water Level Data

Construction of 2 Nos Foot bridge over Kalisankorpur Khal in C/W Rehabilitation of Madhumoti - Nabaganga Sub-Project and Re-excavation/Dredging of Nabaganga River to Revival and Conservation of Environmental Balance in Lohagara Upazila of Narail District under Narail O & M Division, BWDB, Narail.

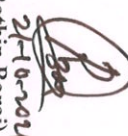
Water Level Station : 102 No. Bhatipara Bazar.

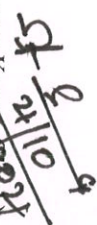
River Name : 42 No. Gorai-Modhumati River.

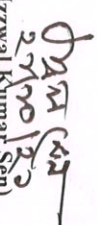
Month	2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L
January	2.10	0.51	1.60	0.50	2.35	1.52	2.70	1.85	1.65	0.90	1.65	0.70	1.70	0.48	1.51	0.46	1.83	0.54	1.01	0.97	1.74	0.74	1.56	0.46	1.61	0.71	1.35	0.45
February	2.05	0.48	1.35	0.60	2.35	1.53	2.55	2.05	1.65	0.70	1.66	0.37	1.64	0.29	1.71	0.29	1.89	0.40	1.84	0.55	1.66	0.57	1.43	0.81	1.69	0.46	1.48	0.35
March	1.95	0.45	2.50	0.60	2.38	1.32	2.54	1.85	1.61	0.61	1.68	0.37	1.70	0.44	2.00	0.30	2.20	0.40	2.15	0.66	1.83	0.55	1.52	0.46	1.81	0.46	1.68	0.30
April	1.90	0.40	1.75	0.25	2.45	1.65	2.80	2.10	1.81	0.66	1.70	0.37	1.80	0.60	2.00	0.54	1.99	0.53	2.26	0.71	2.10	0.70	1.63	0.51	1.58	0.66	1.87	0.42
May	2.15	0.60	2.35	0.50	2.46	1.80	2.80	2.25	2.01	0.76	1.92	0.58	2.54	0.67	2.15	0.66	2.00	0.54	2.41	1.06	2.43	0.85	2.06	0.54	2.05	0.91	2.10	0.52
June	2.25	1.00	2.30	1.60	2.75	2.22	2.50	2.21	2.86	0.86	3.39	0.82	2.00	0.80	2.51	1.07	2.90	1.08	2.86	1.29	3.32	1.25	2.80	1.10	2.57	1.31	2.65	1.04
July	4.10	2.05	4.62	2.35	5.33	2.22	4.51	2.22	4.69	1.91	4.63	3.04	2.69	0.99	3.87	1.75	3.90	1.95	4.04	2.29	4.48	2.92	3.85	1.80	3.57	1.26	4.60	2.03
August	4.35	3.25	4.40	3.35	5.60	4.25	4.30	3.85	5.03	4.29	4.85	4.12	4.30	2.04	4.38	2.98	5.01	4.37	4.33	3.52	4.93	3.93	4.67	3.10	4.91	3.00	4.93	4.03
September	4.75	4.00	4.00	3.20	5.70	0.75	4.16	3.57	4.96	3.82	4.86	2.80	4.04	2.67	4.68	4.07	4.98	3.60	4.74	3.60	4.83	2.26	4.57	2.76	4.92	2.64	4.93	3.11
October	4.31	2.96	3.80	3.00	4.60	3.45	3.93	1.21	4.23	2.58	3.96	2.10	3.82	1.91	4.28	2.06	4.75	2.07	4.68	1.99	3.39	2.24	3.62	2.12	3.31	1.10	3.80	2.13
November	2.96	1.96	3.00	2.20	3.75	2.35	2.05	1.10	2.74	1.47	2.68	1.30	2.60	1.01	2.71	1.26	2.67	1.31	2.59	1.34	2.91	1.31	2.48	1.18	2.94	1.48	1.63	1.00
December	2.21	1.16	2.55	1.90	2.66	2.05	1.55	1.00	2.05	0.58	2.08	0.79	2.08	0.58	2.05	0.76	2.20	1.11	2.20	0.94	1.96	0.71	1.69	0.66	1.68	0.68	1.74	0.68

River highest WL = 5.70m PWD, Date : 29-09-2005  
River Lowest WL = 0.25m PWD, Date : 30-04-2004

Month	2017		2018		2019		2020		2021	
	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L	H.W.L	L.W.L
January	1.14	0.68	1.59	0.71	1.50	0.55	1.72	0.58	1.85	0.82
February	1.28	0.66	1.42	0.57	1.71	0.65	1.50	0.57	1.67	0.68
March	1.61	0.76	1.39	0.64	1.82	0.60	1.73	0.56	1.81	0.61
April	2.12	0.92	1.51	0.73	1.84	0.61	1.86	0.61	2.21	0.62
May	2.11	0.82	1.74	0.79	2.06	0.56	2.54	0.66	2.47	0.58
June	2.76	1.01	2.28	1.04	1.41	0.81	3.28	1.36	3.80	1.47
July	3.89	1.59	3.41	1.51	4.12	1.31	4.85	3.00	4.18	3.02
August	5.01	3.19	4.52	2.96	4.36	2.85	4.85	3.89	4.80	3.42
September	4.23	2.56	4.90	2.53	4.85	2.95	4.28	3.47		
October	3.49	2.01	3.22	1.44	5.00	1.57	4.46	2.28		
November	2.61	1.16	2.20	0.89	2.60	1.20	3.08	1.23		
December	1.77	1.03	2.07	0.63	2.05	0.74	2.18	1.10		

  
 (Rathin Barai)  
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 BWDB, Narail.

  
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 (Uzzwal Kumar Sen)  
 Executive Engineer  
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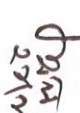
# RAINFALL DATA

Station No & Name : R-461, Narail.

Year	January	February	March	April	May	Jun	July	August	September	October	November	December	Total
2015													
2014	0.00	10.00	0.00	0.00	45.00	75.00	25.00	-	-	-	-	-	155.00
2013	0.00	0.00	0.00	35.00	78.00	28.00	20.00	51.00	52.00	0.00	0.00	0.00	264.00
2012	45.00	0.00	0.00	56.00	37.00	48.00	40.00	86.00	84.00	65.00	28.00	0.00	489.00
2011	0.00	0.00	20.00	70.00	38.00	78.00	74.00	101.00	60.00	0.00	0.00	0.00	441.00
2010	0.00	0.00	0.00	10.00	45.00	62.00	45.00	36.00	41.00	57.00	0.00	22.00	318.00
2009	0.00	0.00	15.00	65.00	84.00	42.00	74.00	162.00	0.00	20.00	0.00	0.00	462.00
2008	30.00	40.00	26.00	24.00	71.00	35.00	33.00	30.00	220.00	65.00	0.00	0.00	574.00
2007	0.00	40.00	0.00	0.00	75.00	0.00	105.00	45.00	60.00	175.00	90.00	0.00	590.00
2006	0.00	0.00	0.00	26.00	221.00	255.00	309.00	148.00	312.00	0.00	0.00	0.00	1271.00
2005	12.00	0.00	144.00	66.00	72.00	126.00	449.00	110.00	82.00	444.00	0.00	0.00	1505.00
2004	0.00	0.00	0.00	25.00	163.00	284.00	126.00	202.00	632.00	148.00	10.00	0.00	1590.00
2003	0.00	28.00	114.00	101.00	71.00	379.00	340.00	137.00	106.00	262.00	0.00	16.00	1554.00
2002	25.00	0.00	37.00	100.00	276.00	554.00	324.00	492.00	275.00	87.00	135.00	0.00	2305.00
Average =													959.83

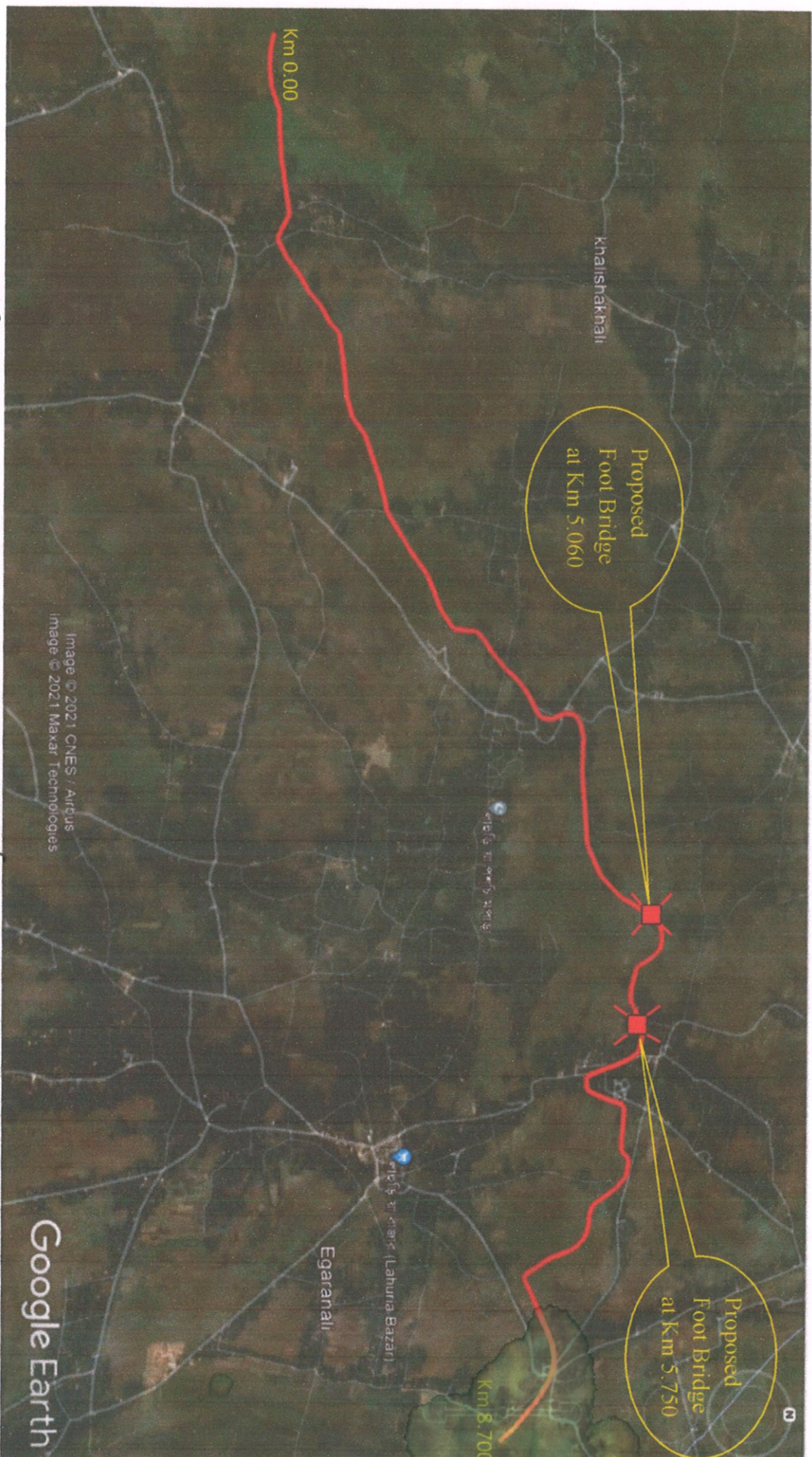
  
 21-10-2024  
 (Rathin Barai)  
 Sub-Assistant Engineer  
 Lohagara O&M Section-3  
 BWDB, Narail

  
 21/10/24  
 (Swapan Kumar Ghosh)  
 Sub-Divisional Engineer  
 Lohagara O&M Sub-Division  
 BWDB, Narail.

  
 29/07/23  
 (Uzzwal Kumar Sen)  
 Executive Engineer  
 Narail O & M Division  
 BWDB, Narail



Position of Construction of 2 nos foot bridge over Kalisankorpor khal in C/W Rehabilitation of Madhumoti - Nabaganga Sub-Project and Re-excavation/Dredging of Nabaganga River to Revival and Conservation of Environmental Balance in Lohagora Upazila of Narail District under Narail O & M Division, BWDB, Narail in Google Map.



*[Signature]*  
21-10-2024  
(Rathin Barai)

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BWDB, Narail

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21-10-2024  
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