REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

REGIONAL OFFICE NO. IV-B

MINDORO OCCIDENTAL, DISTRICT ENGINEERING OFFICE

MAMBURAO, MINDORO OCCIDENTAL

R.V. LABORTE BUILDERS

Office Address: 34 Habito St. Iyam, Lucena City

Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City

Tel. No. (042) 719-1835

REYNALDO V. LABORTE JR. - OWNER/MANAGER

SEPTEMBER 2022

DETAILED ENGINEERING DESIGN PLAN

PROPOSED BACLARAN RIVER DREDGING PLAN

MUNICIPALITY OF SANTA CRUZ

PROVINCE OF OCCIDENTAL MINDORO

STATION = STA. 0+350 TO STA. 9+800

LENGTH = 9,450 l.m.

THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

SUBMITTED BY:

REYNALDO V. LABORTE
OWNER/PROPONENT

DATE:

RECOMMENDED BY:

EDUARDO B. GADIANO
PROVINCIAL GOVERNOR

DATE:

JOSELITO A. ANTONIO
DISTRICT ENGINEER
MINDORO OCCIDENTAL, DEO

DATE:

GERALD A.PACANAN,CESO III
REGIONAL DIRECTOR
DPWH, REGION IV-B

DATE:

APRROVED BY:

EDWIN C. MATANGUIHAN
OIC-DIRECTOR
BUREAU OF DESIGN

DATE: NOV 18 2022

ERIC A. AYAPANA
ASSISTANT SECRETARY FOR
INFORMATION MANAGEMENT
AND TECHNICAL SERVICES

DATE:

MAXIMO L. CARVAJAL
UNDERSECRETARY FOR
INFORMATION MANAGEMENT
AND TECHNICAL SERVICES

DATE:

WPD-22BRN-16302

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

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MINDORO OCCIDENTAL, DISTRICT ENGINEERING OFFICE
MAMBURAO, MINDORO OCCIDENTAL

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No. (042) 710-1833
REYNALDO V. LABORTE JR. - OWNER/MANAGER

SEPTEMBER 2022
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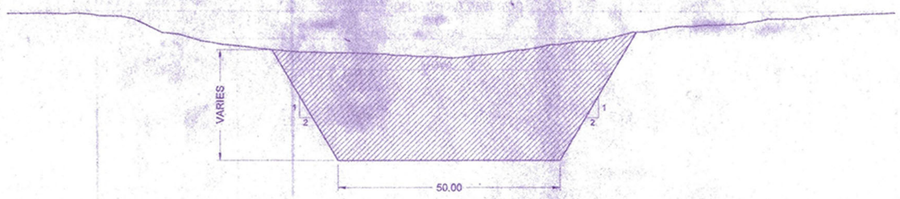
MAXIMO L. CARVAJAL
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INDEX OF DRAWINGS

SHEET CONTENT	SET NO.	SHEET NO.
GENERAL		
COVER PAGE	01/04	01/39
INDEX OF DRAWINGS, SUMMARY OF QUANTITIES GENERAL NOTES, & TYPICAL SECTION	02/04	02/39
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PLAN AND PROFILE (STA. 3+850 ~ STA. 5+200)	04/08	08/39
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CROSS SECTION (STA. 5+100 ~ STA. 5+350)	12/27	24/39
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CROSS SECTION (STA. 7+500 ~ STA. 7+750)	20/27	32/39
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SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES	REMARKS
1703	DREDGING	m^3	2,421,514.25	STA. 0+000 TO STA. 9+800



TYPICAL CROSS-SECTION

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

GENERAL NOTES:

A. CONDITION

Environmental managements

All commitments, appropriate mitigating/enhancement measure and monitoring requirements contained in the Environmental Impact Statement (EIS), particularly in the Environmental Management Plans (EMMoP), as approved by the Environmental Management Bureau (EMB), shall be instituted to minimize any adverse impact on the Project to the environment throughout its implementation.

1. Conduct of an effective Information Education and Communication (IEC) Program to inform and educate all stakeholders, especially its contractors, workers and local residents about the mitigating measures embodied in its EIS, the conditions stipulated in the EEC and the environmental and human safety features of the Project for the greater awareness, understanding and sustained acceptance of the project. An annual detailed IEC program shall be implemented and proof of continuing compliance shall be submitted semi-annually as part of the Project's Compliance Monitoring Report (CMR) to the EMB Regional Office (RO) No. IV-B Implementation of a Comprehensive Social Development Program (SDP) and submission of a separate report on compliance, together with the CMR, to the EMB CO, copy furnished the EMB RO No. IV-B.
2. Establishment of a reforestation and a carbon sink program using endemic and other suitable species to mitigate greenhouse gas (GHG) emissions of the Project in line with the DENR's thrust GHG emission reduction programs. The program shall be submitted to EMB CO within sixty (60) days from receipt of this ECC.
3. Submission to the EMB CO within sixty (60) days from receipt of this ECC of a sediment transport modeling showing the residual sediment transport (beginning at the mouth of the river) attributable to the Project.
4. Maintenance of at least 200 meters buffer zones (at mean low tide) from both sides of the uneroded part of the river banks.

B. GENERAL CONDITIONS

1. The dredging operations shall conform with the provision of R.A No. 6969 (Toxic Substance and Hazardous and Nuclear Waste Control Act of 1990), R.A. No. 8749 (Philippine Clean Air Act of 1999), R.A. No. 9003 (Ecological Solid Waste Management Act of 2000), and R.A. No.9275 (Philippine Clean Water Act of 2004).
2. The proponent shall create within sixty days (60) from receipt of this ECC an Environmental Unit (EU) that shall competently handle the environment-related aspects of the Project. In addition to the monitoring requirements as specified in the EMP/EMoP, the EU shall have the following responsibilities;
   a. Monitor actual project impact vis-à-vis the predicted impacts and management measures in the EIS.
   b. Recommend revision to the EMP/EMoP, whenever necessary, subject to the approval of EMB CO, and Dpwh, Bureau of Design
   c. Ensure that data gathered during monitoring activities are properly documented, assessed, evaluated and reported to the EMB (CO and RO No. IV-B) Submitted to DPWH - BOD for proper evaluation.
3. The proponent shall ensure that its contractors and sub-contractors strictly comply with the relevant condition of the ECC.
4. Dredging and use of materials shall confirm with the (MGB) Mines and Geosciences Bureau requirements.

C. RESTRICTION

1. No shipping/transport of dredge materials shall be undertaken without the necessary clearance/permit from the MGB-DENR from its commercial disposition;
2. No other activities shall be undertaken other than what were stipulated in the EIS document. Any expansion or modification of the project beyond the project description or any change in the activity shall be subject to a new EIA study;
3. All dredge materials shall be loaded straight to a sea cargo vessel. No material shall be stock on land.
4. Soundings shall be conducted every 50.0m of the dredge channel for calculation of volume of spots elevation.
5. Dredging activities should have no effect on the structural integrity of existing bridges. Any damage to existing structure as a result of over-excavation (Dredging) Shall be repaired at the expense of the proponent.

D. PREPARATION OF "AS-STAKED" PLAN

1. "As- Staked" Plan shall be prepared by the owner. The preparation of "As-Staked" Plan shall be comply with the provision DPWH D.O. No. 15, series of 2016
2. Verification of Elevation shall be conducted during the Pre-Construction survey.
3. Confirmatory Soil Boring test shall be conducted along the alignment of the Proposed Structure prior to actual Implementation.

HYDRAULIC DESIGN DATA:

DESIGN DISCHARGE, Q (100 YEARS) = 1293.24 m^3/s
DRAINAGE AREA, DA = 152.87 km^2
VELOCITY, V_m = 2.68 m/s

- The Proponent (Permittee) shall install Water gages at representative locations to be determined by BOD, DPWH for monitoring, assessment and evaluation of the impacts of dredging works.

BENCHMARK

BENCHMARK FOR THE PROJECT SITE.

BM-1	
ELEVATION	20.00m
LATITUDE	12.988729°
LONGITUDE	120.841863°

Note:

- Any Damage to the existing private and public utilities adjacent to the dredging works, including loss of life, If any that may result shall be the sole responsibility of the dredging proponent, such damages to the existing private and public utilities shall be reconstructed/ repaired to its original from in accordance with the DPWH standards and specifications, at the expense of the proponent.
- The DPWH thru its field offices shall be officially notified by the owner/proponent as to the date of implementation of the proposed dredging works.
- The DPWH or its authorized representative/s shall be allowed to inspect the completion of the project.
- The owner/proponent shall submit "As-Built" plans for the completed dredging works and secure certificate of acceptance thereof.

THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Field Address: Km 128 Diversion Rd. Brgy. Inalang, Tayabas City

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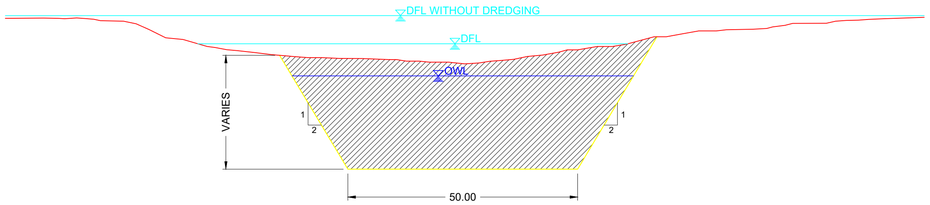
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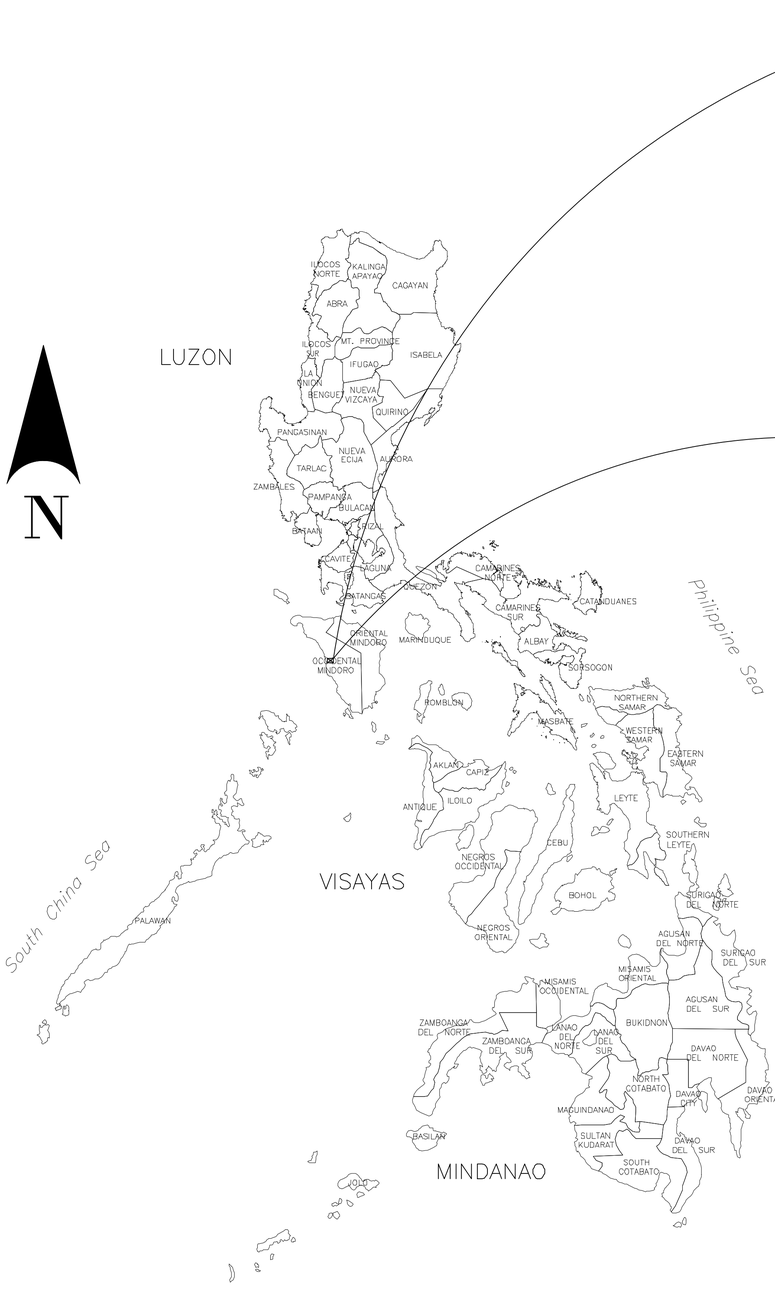
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OWNER/PROPONENT

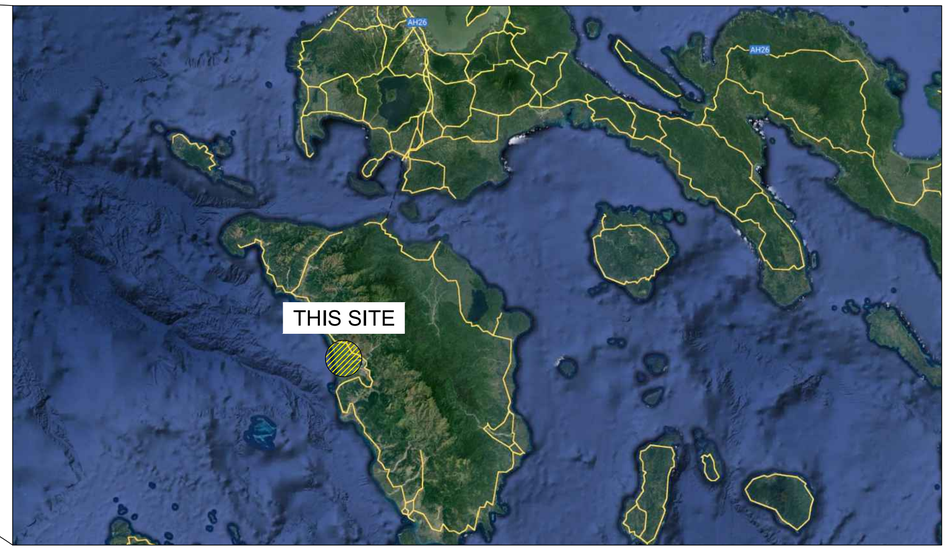
R.V. LABORTE BUILDERS
Office Address: 54 Habitia St, Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No.(02) 215-01-01
REYNALDO V. LABORTE JR. - OWNER/MANAGER

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MAP OF THE PHILIPPINES

SCALE: NTS



LOCATION MAP

SCALE: NTS

VICINITY MAP

SCALE: NTS

THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
N.A.463/16-08
REYNALDO V. LABORTE IN - OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	MAP OF THE PHILIPPINES, VICINITY MAP & LOCATION MAP	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	G 03 | 04	03 39

BOREHOLE LOG

PROJECT NOTES

Project Title : **Proposed River Dredging/Desilting Project at Baclaran River, Occidental Mindoro**

Location: Baclaran, Sta. Cruz, Occidental Mindoro

Client:

Date Drilled: March 29, 2021

BORING DATA

Drilling Machine: **SCREW FED** Borehole No.: **BH-1**

Water Pump: **BUFFEL WATER PUMP**

Hammer Weight: **64 kg** Final Depth : **15.00 m**

Height of Drop: **0.76m** Inclination : **Vertical**

Ground Water Level: **0.10 mtrs above NGL**

TYPE OF SAMPLING	SAMPLE NO.	DEPTH (M) FROM	DEPTH (M) TO	LENGTH (CM) RUN	LENGTH (CM) RECOVERY (%)	BLOWS PER 15 CM	N-VALUE	GRAPHICAL N-VALUES 10 20 30 40 50	SOIL DESCRIPTION	USCS
WASH BORING/SPT	SPT-1	1.05	1.50	0.45	0.20	- / Hammer / Weight	HW		Gray, Very Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-2	2.55	3.00	0.45	0.20	- / Hammer / Weight	HW			
	SPT-3	4.05	4.50	0.45	0.15	- / Hammer / Weight	HW			
	SPT-4	5.55	6.00	0.45	0.15	2 / 2 / 2	4			
	SPT-5	7.05	7.50	0.45	0.15	3 / 3 / 4	7		Gray, Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-6	8.55	9.00	0.45	0.15	4 / 5 / 4	9			
	SPT-7	10.05	10.50	0.45	0.15	7 / 5 / 3	8			
	SPT-8	11.55	12.00	0.45	0.10	6 / 8 / 9	17		Gray, Medium Dense **POORLY-GRADED SAND,** No Plasticity	SP
	SPT-9	13.05	13.50	0.45	0.10	10 / 12 / 14	26			
	SPT-10	14.55	15.00	0.45	0.10	16 / 17 / 13	30			

LEGENDS:

REF = REFUSAL **NIL= ZERO**

GW= WELL GRADED GRAVEL **HW= Hammer Weight**

OTOWAO-Structural Consultant, Soil Test & Land Surveying ************END OF BOREHOLE AT 15.00 METERS *************

BOREHOLE NO. 1

SCALE: NTS

BOREHOLE LOG

PROJECT NOTES

Project Title : **Proposed River Dredging/Desilting Project at Baclaran River, Occidental Mindoro**

Location: Sta. Cruz, Occidental Mindoro

Client:

Date Drilled: March 29, 2021

BORING DATA

Drilling Machine: **SCREW FED** Borehole No.: **BH-2**

Water Pump: **BUFFEL WATER PUMP**

Hammer Weight: **64 kg** Final Depth : **15.00 m**

Height of Drop: **0.76m** Inclination : **Vertical**

Ground Water Level: **0.10 mtrs above NGL**

TYPE OF SAMPLING	SAMPLE NO.	DEPTH (M) FROM	DEPTH (M) TO	LENGTH (CM) RUN	LENGTH (CM) RECOVERY (%)	BLOWS PER 15 CM	N-VALUE	GRAPHICAL N-VALUES 10 20 30 40 50	SOIL DESCRIPTION	USCS
WASH BORING/SPT	SPT-1	1.05	1.50	0.45	0.10	- / Hammer / Weight	HW		Gray, Very Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-2	2.55	3.00	0.45	0.15	- / Hammer / Weight	HW			
	SPT-3	4.05	4.50	0.45	0.15	- / Hammer / Weight	HW			
	SPT-4	5.55	6.00	0.45	0.20	1 / 2 / 3	5		Gray, Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-5	7.05	7.50	0.45	0.22	5 / 5 / 5	10			
	SPT-6	8.55	9.00	0.45	0.15	7 / 9 / 11	20		Gray, Medium Dense **POORLY-GRADED SAND,** No Plasticity	SP
	SPT-7	10.05	10.50	0.45	0.15	11 / 13 / 14	27			
	SPT-8	11.55	12.00	0.45	0.10	15 / 16 / 16	32		Gray, Dense **POORLY-GRADED SAND,** No Plasticity	SP
	SPT-9	13.05	13.50	0.45	0.10	18 / 19 / 21	40			
	SPT-10	14.55	15.00	0.45	0.10	22 / 22 / 22	44			

LEGENDS:

REF = REFUSAL **NIL= ZERO**

GW= WELL GRADED GRAVEL **HW= Hammer Weight**

OTOWAO-Structural Consultant, Soil Test & Land Surveying ************END OF BOREHOLE AT 15.00 METERS *************

BOREHOLE NO. 2

SCALE: NTS

BOREHOLE LOG

PROJECT NOTES

Project Title : **Proposed River Dredging/Desilting Project at Baclaran River, Occidental Mindoro**

Location: Sta. Cruz, Occidental Mindoro

Client:

Date Drilled: March 29, 2021

BORING DATA

Drilling Machine: **SCREW FED** Borehole No.: **BH-3**

Water Pump: **BUFFEL WATER PUMP**

Hammer Weight: **64 kg** Final Depth : **15.00 m**

Height of Drop: **0.76m** Inclination : **Vertical**

Ground Water Level: **0.1 mtrs above NGL**

TYPE OF SAMPLING	SAMPLE NO.	DEPTH (M) FROM	DEPTH (M) TO	LENGTH (CM) RUN	LENGTH (CM) RECOVERY (%)	BLOWS PER 15 CM	N-VALUE	GRAPHICAL N-VALUES 10 20 30 40 50	SOIL DESCRIPTION	USCS
WASH BORING/SPT	SPT-1	1.05	1.50	0.45	0.12	1 / 1 / 1	2		Gray, Very Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-2	2.55	3.00	0.45	0.12	1 / 1 / 1	2			
	SPT-3	4.05	4.50	0.45	0.12	1 / 1 / 1	2			
	SPT-4	5.55	6.00	0.45	0.15	3 / 3 / 3	6		Gray, Loose **POORLY-GRADED SAND,** No PLasticity	SP
	SPT-5	7.05	7.50	0.45	0.10	4 / 4 / 4	8			
	SPT-6	8.55	9.00	0.45	0.12	6 / 7 / 8	15		Gray, Medium Dense **POORLY-GRADED SAND,** No Plasticity	SP
	SPT-7	10.05	10.50	0.45	0.10	10 / 10 / 11	21			
	SPT-8	11.55	12.00	0.45	0.12	12 / 14 / 15	29		Gray, Dense **POORLY-GRADED SAND,** No Plasticity	SP
	SPT-9	13.05	13.50	0.45	0.10	17 / 19 / 20	39			
	SPT-10	14.55	15.00	0.45	0.10	21 / 21 / 21	42			

LEGENDS:

REF = REFUSAL **NIL= ZERO**

GW= WELL GRADED GRAVEL **HW= Hammer Weight**

OTOWAO-Structural Consultant, Soil Test & Land Surveying ************END OF BOREHOLE AT 15.00 METERS *************

BOREHOLE NO. 3

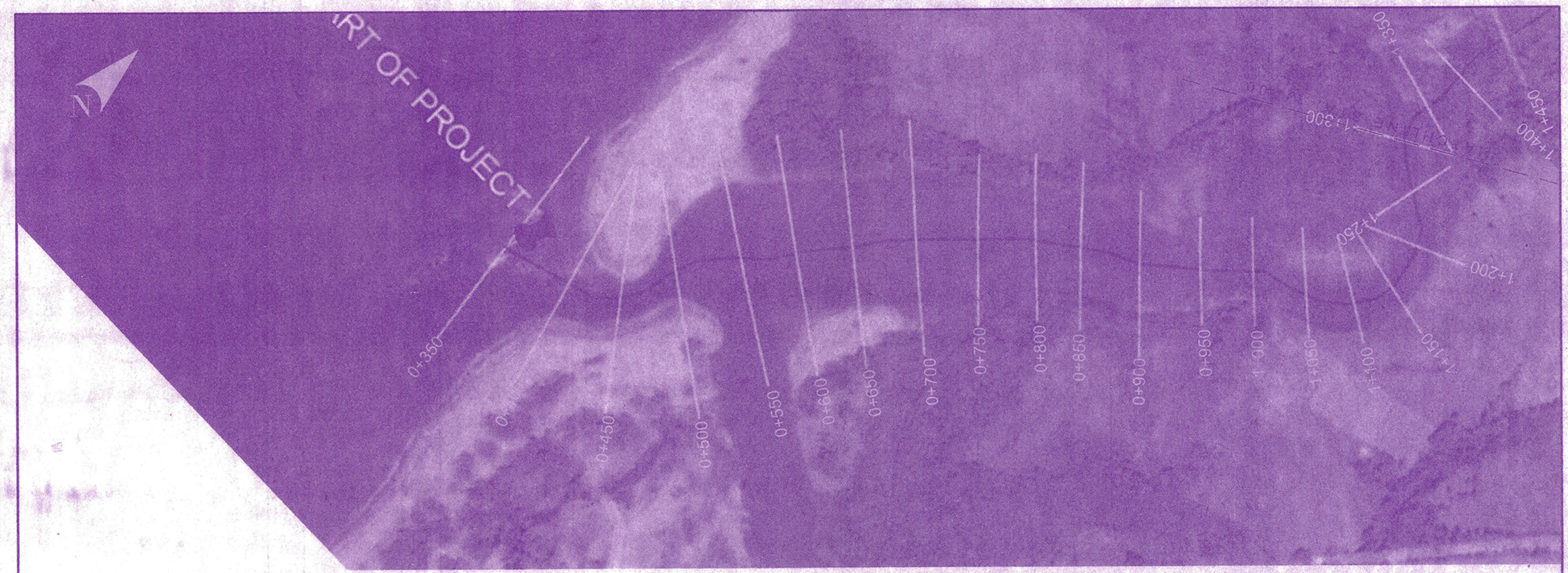
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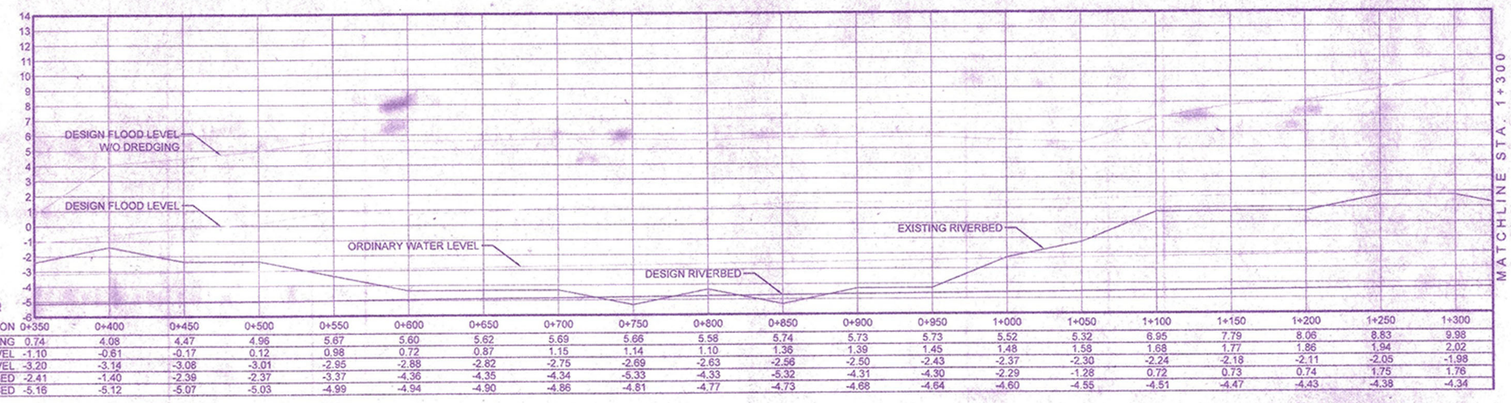
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 129 Diversion Rd. Brgy. Isabang, Tayabas City
SL/L-(02) 29-1135
REYNALDO V. LABORTE JR., OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:		RECOMMENDING APPROVAL:				APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	BOREHOLE NO. 1, 2 & 3	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	G 04 | 04	04 39





STATION	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300
DFL WITHOUT DREDGING	0.74	4.08	4.47	4.96	5.67	5.60	5.62	5.69	5.66	5.58	5.74	5.73	5.73	5.52	5.32	6.95	7.79	8.06	8.83	9.98
DESIGN FLOOD LEVEL	-1.10	-0.61	-0.17	0.12	0.98	0.72	0.87	1.15	1.14	1.10	1.36	1.39	1.45	1.48	1.58	1.68	1.77	1.86	1.94	2.02
ORDINARY WATER LEVEL	-3.20	-3.14	-3.08	-3.01	-2.95	-2.88	-2.82	-2.75	-2.69	-2.63	-2.56	-2.50	-2.43	-2.37	-2.30	-2.24	-2.18	-2.11	-2.05	-1.98
EXISTING RIVERBED	-2.41	-1.40	-2.39	-2.37	-3.37	-4.36	-4.35	-4.34	-5.33	-4.33	-5.32	-4.31	-4.30	-2.29	-1.28	0.72	0.73	0.74	1.75	1.76
DESIGN RIVERBED	-5.16	-5.12	-5.07	-5.03	-4.99	-4.94	-4.90	-4.86	-4.81	-4.77	-4.73	-4.68	-4.64	-4.60	-4.55	-4.51	-4.47	-4.43	-4.38	-4.34

PLAN & PROFILE STA. 0+000 - STA. 1+300

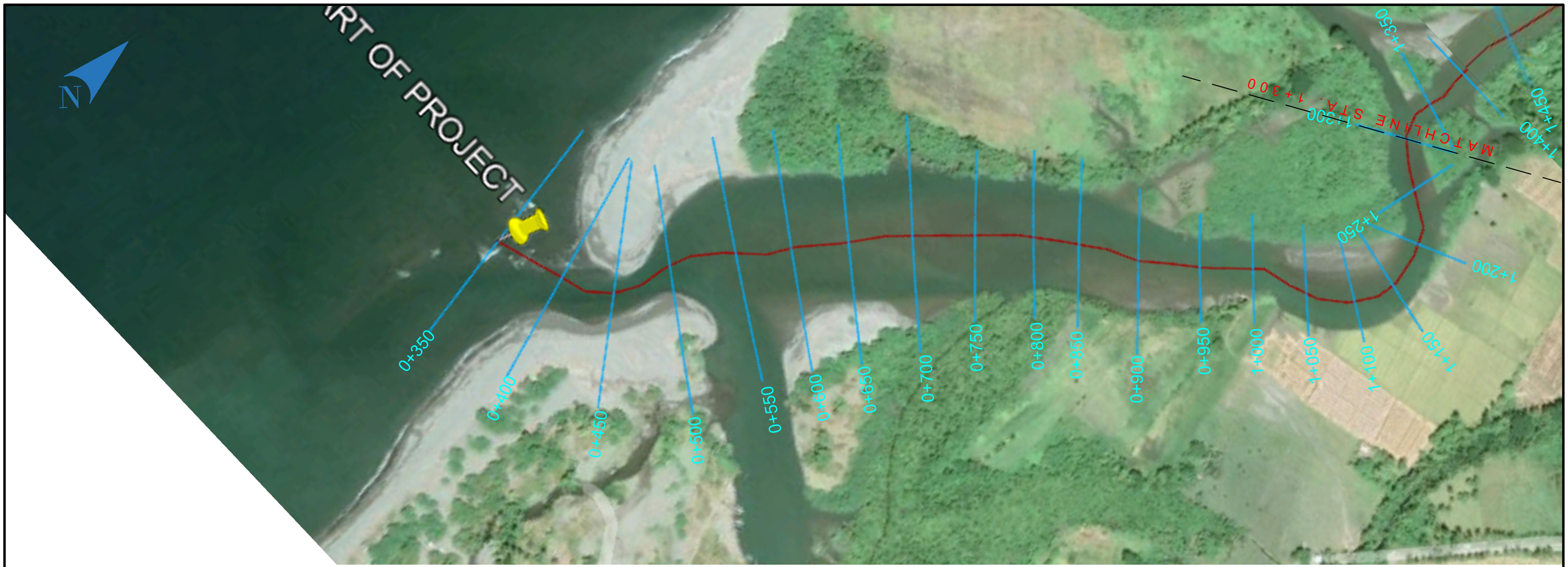
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HORIZONTAL SCALE 1:2000m

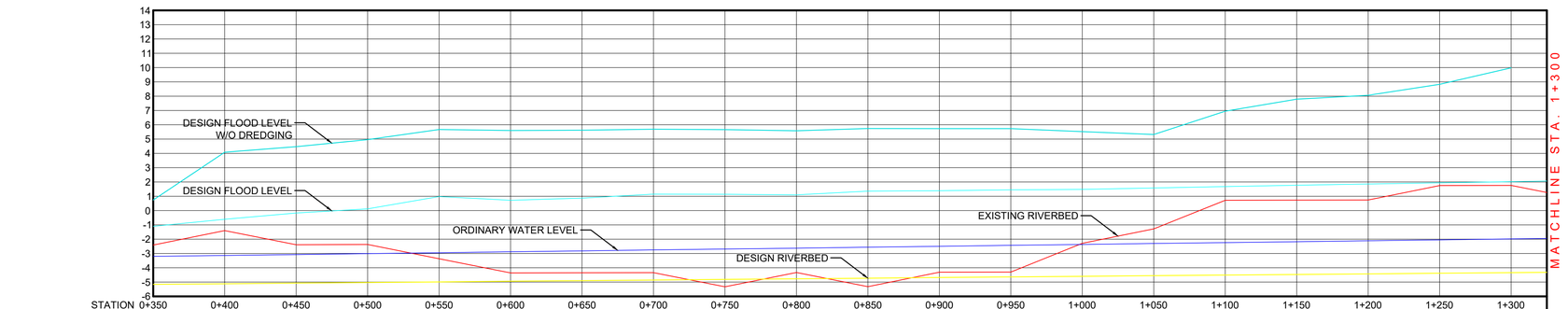
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS

PROJECT NAME AND LOCATION	SHEET CONTENTS	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 Lm. + SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 0+350 TO STA. 1+300	REYNALDO V. LABORTE OWNER/PROPONENT DATE	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER, I MINDORO OCCIDENTAL DEO DATE	(SEE COVER SHEET) GERALD A. PACANAN, CESO II REGIONAL DIRECTOR DPWH, REGION IV-B DATE	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE NOV 18 2022	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE	PP 01 | 08	05 39





STATION	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300
DFL WITHOUT DREDGING	0.74	4.08	4.47	4.96	5.67	5.60	5.62	5.69	5.66	5.58	5.74	5.73	5.73	5.52	5.32	6.95	7.79	8.06	8.83	9.98
DESIGN FLOOD LEVEL	-1.10	-0.61	-0.17	0.12	0.98	0.72	0.87	1.15	1.14	1.10	1.36	1.39	1.45	1.48	1.58	1.68	1.77	1.86	1.94	2.02
ORDINARY WATER LEVEL	-3.20	-3.14	-3.08	-3.01	-2.95	-2.88	-2.82	-2.75	-2.69	-2.63	-2.56	-2.50	-2.43	-2.37	-2.30	-2.24	-2.18	-2.11	-2.05	-1.98
EXISTING RIVERBED	-2.41	-1.40	-2.39	-2.37	-3.37	-4.36	-4.35	-4.34	-5.33	-4.33	-5.32	-4.31	-4.30	-2.29	-1.28	0.72	0.73	0.74	1.75	1.76
DESIGN RIVERBED	-5.16	-5.12	-5.07	-5.03	-4.99	-4.94	-4.90	-4.86	-4.81	-4.77	-4.73	-4.68	-4.64	-4.60	-4.55	-4.51	-4.47	-4.43	-4.38	-4.34

PLAN & PROFILE STA. 0+000 - STA. 1+300

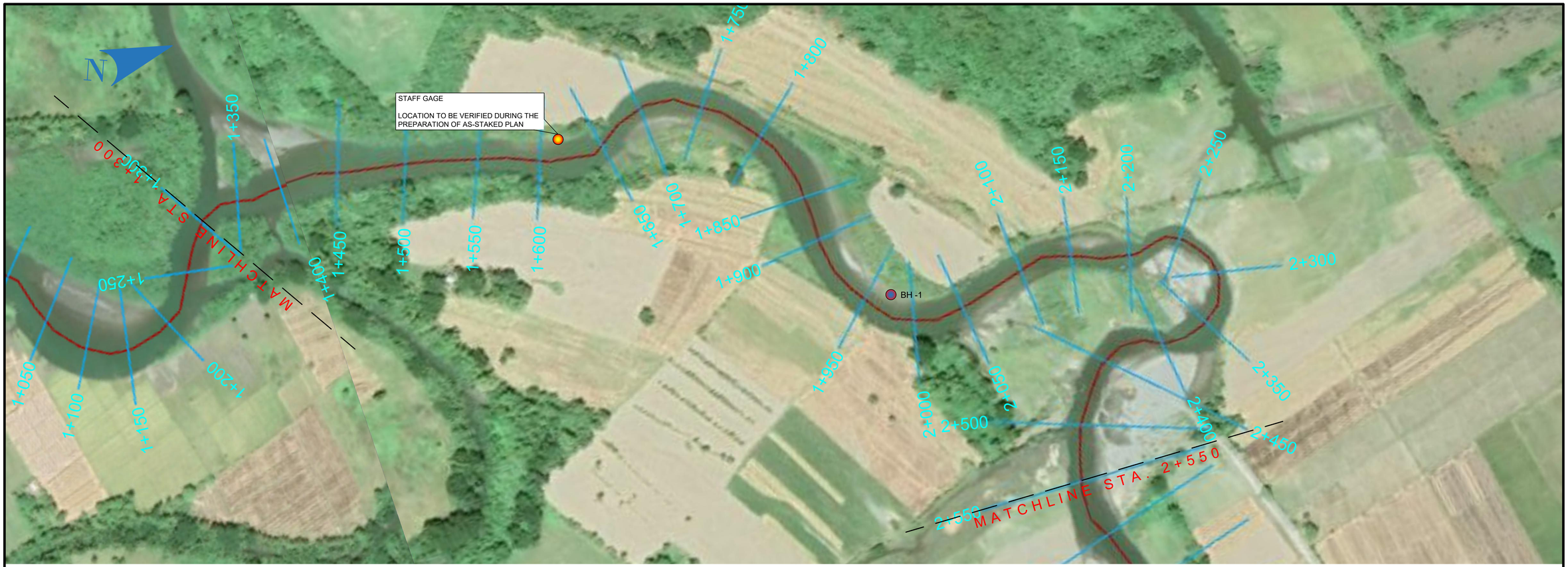
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HORIZONTAL SCALE 1:2000m

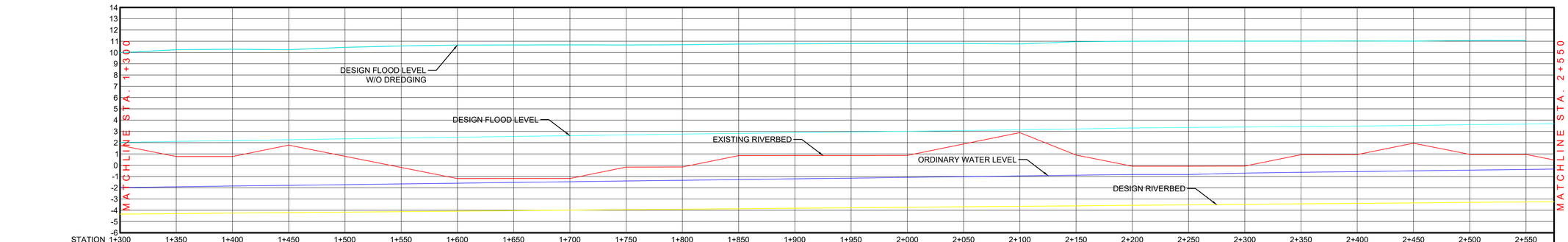
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St, Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
Tel. No.(042) 276-1181
REYNALDO V. LABORTE JR. - OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 0+350 TO STA. 1+300	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 01 | 08	05 39





STATION	1+300	1+350	1+400	1+450	1+500	1+550	1+600	1+650	1+700	1+750	1+800	1+850	1+900	1+950	2+000	2+050	2+100	2+150	2+200	2+250	2+300	2+350	2+400	2+450	2+500	2+550
DFL WITHOUT DREDGING	9.98	10.25	10.29	10.25	10.46	10.58	10.66	10.67	10.68	10.67	10.69	10.75	10.77	10.79	10.80	10.80	10.76	10.96	11.00	11.01	11.01	11.01	11.02	11.01	11.06	11.07
DESIGN FLOOD LEVEL	2.02	2.11	2.18	2.26	2.34	2.41	2.48	2.55	2.62	2.69	2.76	2.82	2.89	2.95	3.01	3.07	3.14	3.21	3.30	3.35	3.39	3.43	3.47	3.52	3.60	3.65
ORDINARY WATER LEVEL	-1.98	-1.92	-1.85	-1.79	-1.73	-1.66	-1.60	-1.53	-1.47	-1.40	-1.34	-1.28	-1.21	-1.15	-1.08	-1.02	-0.95	-0.89	-0.83	-0.83	-0.70	-0.63	-0.57	-0.50	-0.44	-0.38
EXISTING RIVERBED	1.76	0.77	0.77	1.78	0.79	-0.20	-1.19	-1.18	-1.18	-0.17	-0.16	0.85	0.86	0.86	0.87	1.88	2.89	0.90	-0.09	-0.09	-0.08	0.93	0.94	1.95	0.96	0.96
DESIGN RIVERBED	-4.34	-4.30	-4.25	-4.21	-4.17	-4.12	-4.08	-4.04	-3.99	-3.95	-3.91	-3.87	-3.82	-3.78	-3.74	-3.69	-3.65	-3.61	-3.56	-3.52	-3.48	-3.43	-3.39	-3.35	-3.30	-3.26

PLAN & PROFILE STA. 1+300 - STA. 2+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

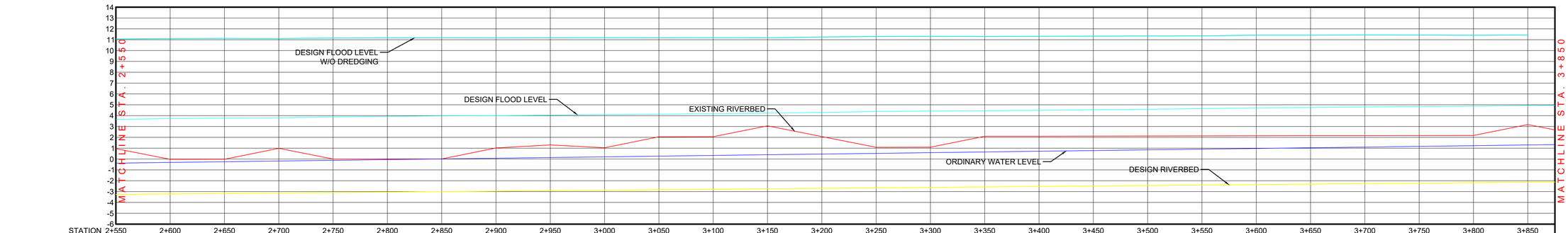
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OWNER/PROPONENT

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Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabanga, Tayabas City
SL-L-2021-29-135
REYNALDO V. LABORTE JR. OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 1+300 TO STA. 2+550	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 02 | 08	06 39





STATION	2+550	2+600	2+650	2+700	2+750	2+800	2+850	2+900	2+950	3+000	3+050	3+100	3+150	3+200	3+250	3+300	3+350	3+400	3+450	3+500	3+550	3+600	3+650	3+700	3+750	3+800	3+850
DFL WITHOUT DREDGING	11.07	11.11	11.12	11.11	11.15	11.16	11.17	11.16	11.17	11.18	11.17	11.18	11.17	11.25	11.30	11.31	11.30	11.31	11.33	11.34	11.35	11.42	11.42	11.44	11.43	11.41	11.44
DESIGN FLOOD LEVEL	3.65	3.73	3.77	3.80	3.88	3.93	3.98	4.00	4.05	4.10	4.13	4.18	4.23	4.30	4.38	4.42	4.45	4.49	4.55	4.59	4.64	4.72	4.75	4.80	4.83	4.87	4.93
ORDINARY WATER LEVEL	-0.38	-0.31	-0.25	-0.18	-0.12	-0.05	0.01	0.07	0.14	0.20	0.27	0.33	0.40	0.46	0.52	0.59	0.65	0.72	0.78	0.85	0.91	0.97	1.04	1.10	1.17	1.23	1.30
EXISTING RIVERBED	0.96	-0.03	-0.02	0.99	0.00	0.01	0.01	1.02	1.03	1.04	2.05	2.06	3.06	2.07	1.08	1.09	2.10	2.10	2.11	2.12	2.13	2.14	2.15	2.15	2.16	2.17	3.18
DESIGN RIVERBED	-3.26	-3.22	-3.18	-3.13	-3.09	-3.05	-3.00	-2.96	-2.92	-2.87	-2.83	-2.79	-2.74	-2.70	-2.66	-2.62	-2.57	-2.53	-2.49	-2.44	-2.40	-2.36	-2.31	-2.27	-2.23	-2.18	-2.14

PLAN & PROFILE STA. 2+550 - STA. 3+850

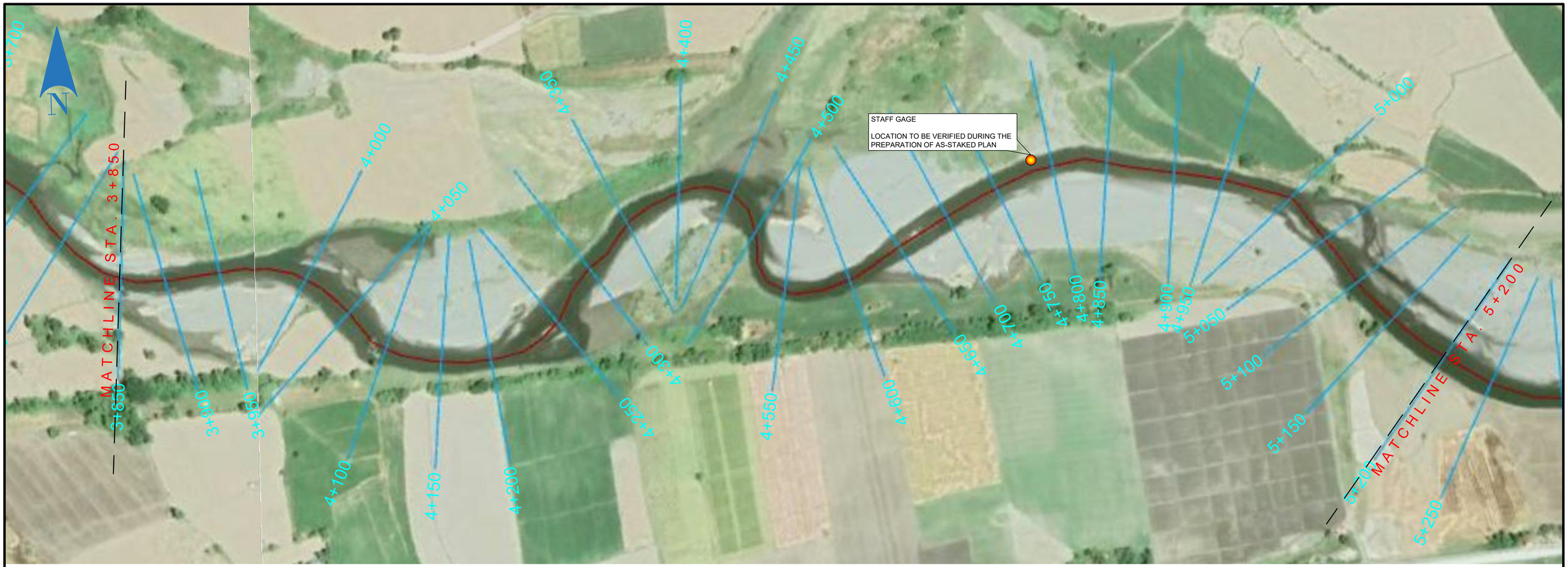
VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

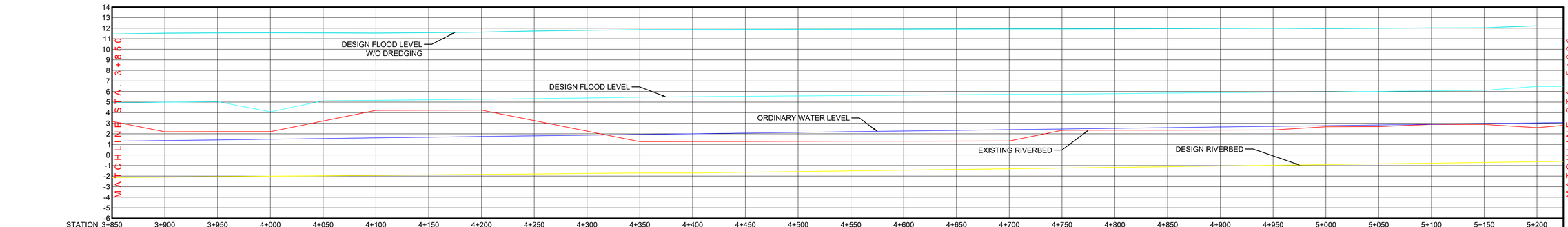
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No. (042) 270-1233
REYNALDO V. LABORTE JR. OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 2+550 TO STA. 3+850	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 03 | 08	07 39





STATION	3+850	3+900	3+950	4+000	4+050	4+100	4+150	4+200	4+250	4+300	4+350	4+400	4+450	4+500	4+550	4+600	4+650	4+700	4+750	4+800	4+850	4+900	4+950	5+000	5+050	5+100	5+150	5+200
DFL WITHOUT DREDGING	11.44	11.52	11.55	11.56	11.55	11.53	11.57	11.62	11.73	11.80	11.86	11.87	11.88	11.89	11.90	11.91	11.92	11.93	11.93	11.94	11.96	11.98	11.99	11.97	11.99	12.03	12.04	12.23
DESIGN FLOOD LEVEL	4.93	4.99	5.04	5.08	5.12	5.17	5.22	5.27	5.33	5.39	5.47	5.51	5.55	5.59	5.62	5.66	5.70	5.74	5.75	5.80	5.85	5.89	5.93	5.96	6.01	6.06	6.11	6.48
ORDINARY WATER LEVEL	1.30	1.36	1.42	1.49	1.55	1.62	1.68	1.75	1.81	1.87	1.94	2.00	2.07	2.13	2.20	2.26	2.32	2.39	2.45	2.52	2.58	2.65	2.71	2.77	2.84	2.90	2.97	3.03
EXISTING RIVERBED	3.18	2.19	2.20	2.20	3.21	4.22	4.23	4.24	3.25	2.25	1.26	1.27	1.28	1.29	1.30	1.30	1.31	1.32	2.33	2.34	2.34	2.35	2.36	2.67	2.68	2.89	2.89	2.58
DESIGN RIVERBED	-2.14	-2.10	-2.05	-2.01	-1.97	-1.93	-1.88	-1.84	-1.80	-1.75	-1.71	-1.71	-1.64	-1.58	-1.51	-1.44	-1.38	-1.31	-1.24	-1.18	-1.11	-1.04	-0.98	-0.91	-0.84	-0.78	-0.71	-0.64

PLAN & PROFILE STA. 3+850 - STA. 5+200

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

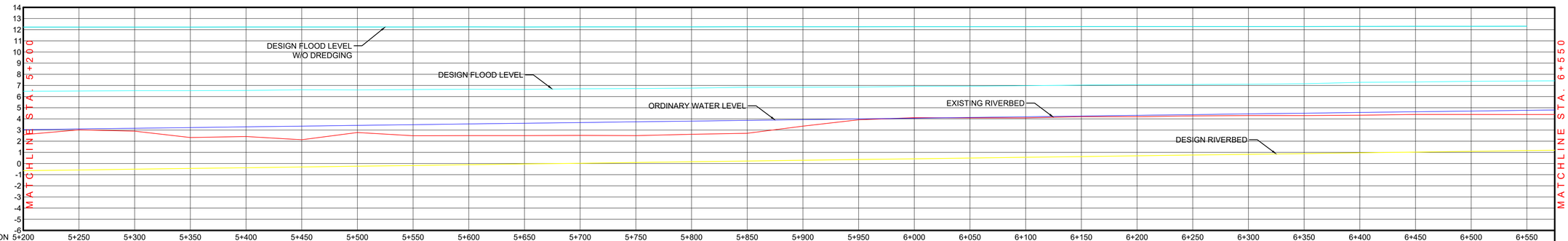
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
SL-L-(02) 25122
REYNALDO V. LABORTE JR. OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 3+850 TO STA. 5+200	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 04 | 08	08 39





STATION	5+200	5+250	5+300	5+350	5+400	5+450	5+500	5+550	5+600	5+650	5+700	5+750	5+800	5+850	5+900	5+950	6+000	6+050	6+100	6+150	6+200	6+250	6+300	6+350	6+400	6+450	6+500	6+550
DFL WITHOUT DREDGING	12.23	12.23	12.23	12.23	12.24	12.24	12.24	12.24	12.25	12.25	12.25	12.25	12.25	12.26	12.26	12.26	12.27	12.27	12.27	12.28	12.28	12.28	12.28	12.28	12.29	12.30	12.30	12.30
DESIGN FLOOD LEVEL	6.48	6.50	6.53	6.53	6.55	6.61	6.60	6.63	6.66	6.65	6.70	6.72	6.76	6.84	6.84	6.85	6.92	6.93	6.98	7.03	7.07	7.08	7.11	7.15	7.28	7.31	7.37	7.40
ORDINARY WATER LEVEL	3.03	3.10	3.16	3.22	3.29	3.35	3.42	3.48	3.55	3.61	3.67	3.74	3.80	3.87	3.93	4.00	4.06	4.13	4.19	4.25	4.32	4.38	4.45	4.51	4.58	4.64	4.70	4.77
EXISTING RIVERBED	2.58	3.02	2.90	2.33	2.42	2.13	2.78	2.49	2.50	2.50	2.52	2.50	2.62	2.71	3.35	3.92	4.11	4.09	4.09	4.20	4.20	4.27	4.30	4.30	4.33	4.40	4.40	4.39
DESIGN RIVERBED	-0.64	-0.58	-0.51	-0.44	-0.38	-0.31	-0.24	-0.18	-0.11	-0.04	0.02	0.09	0.16	0.22	0.29	0.36	0.42	0.49	0.56	0.62	0.69	0.76	0.82	0.89	0.96	1.02	1.09	1.16

PLAN & PROFILE STA. 5+200 - STA. 6+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

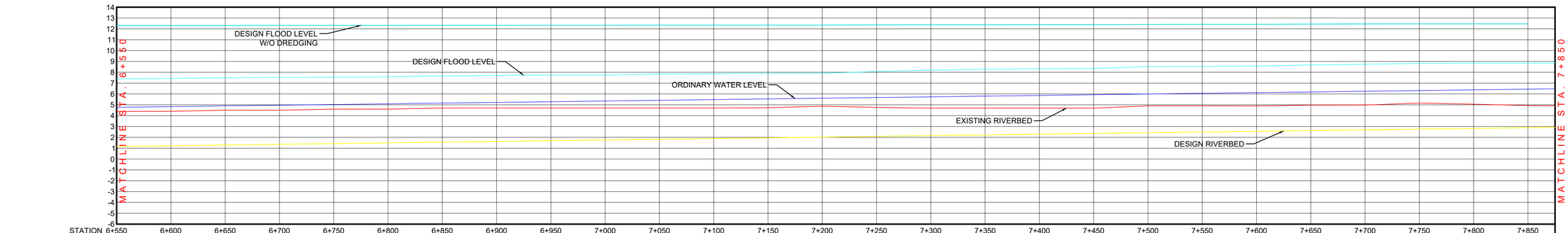
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
SG No.(02) 29 (10)
REYNALDO V. LABORTE JR. OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 5+200 TO STA. 6+550	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 05 | 08	09 39





STATION	6+550	6+600	6+650	6+700	6+750	6+800	6+850	6+900	6+950	7+000	7+050	7+100	7+150	7+200	7+250	7+300	7+350	7+400	7+450	7+500	7+550	7+600	7+650	7+700	7+750	7+800	7+850
DFL WITHOUT DREDGING	12.31	12.31	12.31	12.32	12.32	12.32	12.33	12.33	12.34	12.34	12.35	12.35	12.35	12.35	12.37	12.38	12.38	12.39	12.39	12.41	12.42	12.42	12.44	12.45	12.46	12.46	12.46
DESIGN FLOOD LEVEL	7.40	7.43	7.50	7.52	7.54	7.59	7.65	7.71	7.74	7.75	7.82	7.87	7.90	7.91	8.06	8.19	8.28	8.32	8.35	8.52	8.54	8.57	8.67	8.74	8.81	8.84	8.84
ORDINARY WATER LEVEL	4.77	4.83	4.90	4.96	5.03	5.09	5.16	5.22	5.28	5.35	5.41	5.48	5.54	5.61	5.67	5.73	5.80	5.86	5.93	5.99	6.06	6.12	6.18	6.25	6.31	6.38	6.44
EXISTING RIVERBED	4.39	4.40	4.50	4.50	4.60	4.60	4.70	4.70	4.70	4.70	4.70	4.70	4.73	4.87	4.76	4.69	4.69	4.69	4.69	4.90	4.90	4.89	4.97	4.98	5.16	5.06	4.93
DESIGN RIVERBED	1.16	1.22	1.29	1.36	1.42	1.49	1.56	1.62	1.69	1.76	1.82	1.89	1.96	2.02	2.09	2.16	2.22	2.29	2.36	2.42	2.49	2.56	2.62	2.69	2.76	2.82	2.89

PLAN & PROFILE STA. 6+550 - STA. 7+850

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

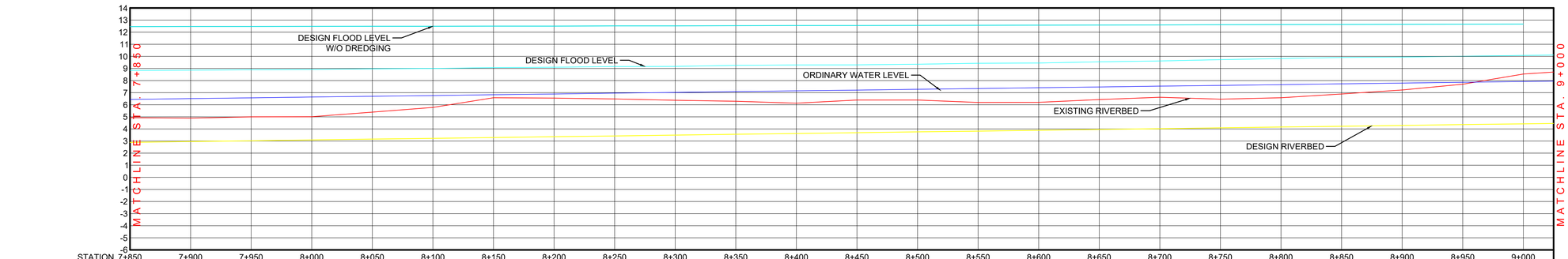
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
SL-L-(02) 29-(10)
REYNALDO V. LABORTE JR. OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 6+550 TO STA. 7+850	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 06 | 08	10 39





STATION	7+850	7+900	7+950	8+000	8+050	8+100	8+150	8+200	8+250	8+300	8+350	8+400	8+450	8+500	8+550	8+600	8+650	8+700	8+750	8+800	8+850	8+900	8+950	9+000
DFL WITHOUT DREDGING	12.46	12.47	12.47	12.48	12.49	12.49	12.50	12.50	12.52	12.52	12.54	12.55	12.55	12.56	12.57	12.58	12.59	12.60	12.62	12.60	12.64	12.65	12.66	12.67
DESIGN FLOOD LEVEL	8.84	8.86	8.89	8.92	8.97	9.00	9.07	9.10	9.16	9.17	9.26	9.29	9.30	9.35	9.43	9.45	9.55	9.62	9.73	9.82	9.91	9.94	10.01	10.08
ORDINARY WATER LEVEL	6.44	6.51	6.57	6.64	6.70	6.76	6.83	6.89	6.96	7.02	7.09	7.15	7.21	7.28	7.34	7.41	7.47	7.54	7.60	7.66	7.73	7.79	7.86	7.92
EXISTING RIVERBED	4.93	4.89	5.00	5.01	5.39	5.78	6.58	6.55	6.48	6.37	6.29	6.13	6.39	6.39	6.19	6.20	6.43	6.62	6.46	6.58	6.89	7.22	7.70	8.54
DESIGN RIVERBED	2.89	2.96	3.02	3.09	3.16	3.22	3.29	3.36	3.42	3.49	3.56	3.62	3.69	3.76	3.82	3.89	3.96	4.02	4.09	4.16	4.22	4.29	4.36	4.42

PLAN & PROFILE STA. 7+850 - STA. 9+000

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

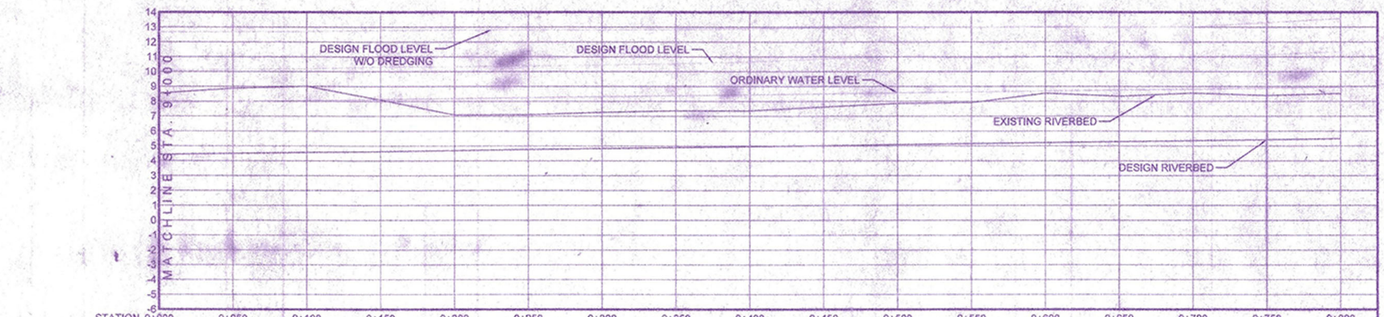
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitu St. Iyam, Lucena City
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SLA-2021-29-133
REYNALDO V. LABORTE JR. OWNER/MANAGER

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PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 7+850 TO STA. 9+000	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 07 | 08	11 39





STATION	9+000	9+050	9+100	9+150	9+200	9+250	9+300	9+350	9+400	9+450	9+500	9+550	9+600	9+650	9+700	9+750	9+800
DFL WITHOUT DREDGING	12.67	12.68	12.71	12.77	12.79	12.81	12.81	12.84	12.88	12.94	12.97	12.98	13.02	12.99	13.01	13.30	13.57
DESIGN FLOOD LEVEL	10.08	10.14	10.19	10.31	10.32	10.39	10.45	10.53	10.66	10.86	11.01	10.94	10.99	10.91	10.99	11.13	11.35
ORDINARY WATER LEVEL	7.92	7.99	8.05	8.12	8.18	8.24	8.31	8.37	8.44	8.50	8.57	8.63	8.69	8.76	8.82	8.89	8.95
EXISTING RIVERBED	8.54	8.87	9.01	8.09	7.08	7.10	7.26	7.36	7.35	7.61	7.85	7.91	8.54	8.34	8.55	8.39	8.52
DESIGN RIVERBED	4.42	4.49	4.56	4.62	4.69	4.76	4.82	4.89	4.96	5.02	5.09	5.16	5.22	5.29	5.36	5.42	5.49

PLAN & PROFILE STA. 9+000 - STA. 9+800

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS

PROJECT NAME AND LOCATION: PROPOSED BACLARAN RIVER DREDGING PLAN
SECTION = STA. 0+350 TO STA. 9+800
LENGTH= 9,450 Lm.
SANTA CRUZ, OCCIDENTAL MINDORO

SHEET CONTENTS: PLAN & PROFILE STA. 9+000 TO STA. 9+800

SUBMITTED: REYNALDO V. LABORTE, OWNER/PROPONENT, DATE:

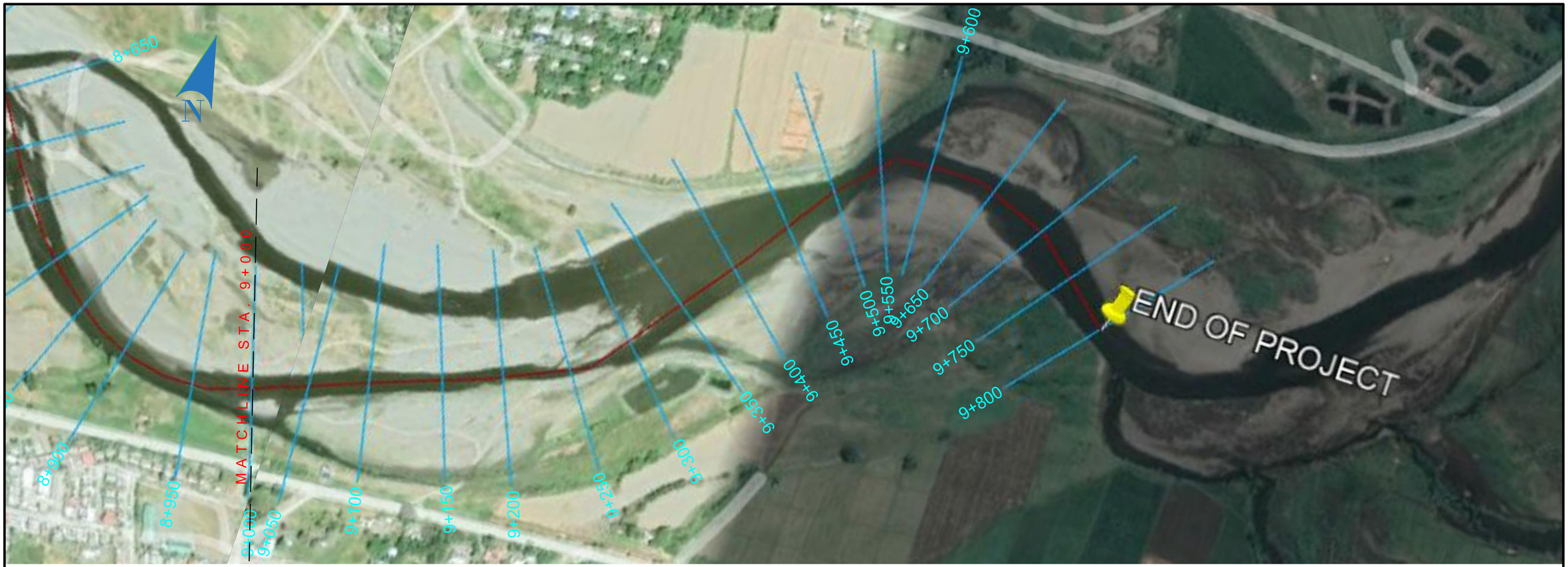
REVIEWED AS PRESENTED:
- REMIGIO V. MASANGKAY, PROVINCIAL ENGINEER, DATE
- GENE RYAN A. ALTEA, CHIEF, PLANNING AND DESIGN DIV., DPWH, REGION IV-B, DATE
- LEONARDO L. LINGAN, CHIEF, WATER PROJECTS DIV., BUREAU OF DESIGN, DATE

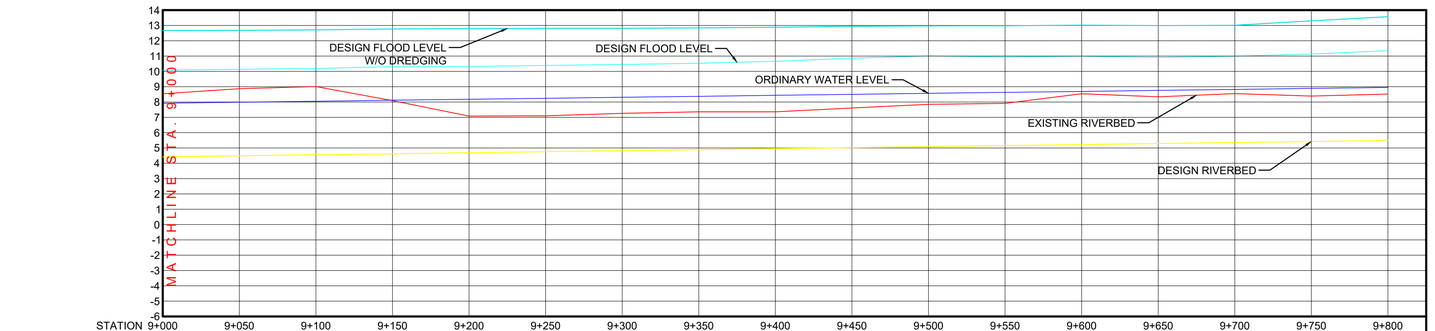
RECOMMENDING APPROVAL:
- (SEE COVER SHEET) EDUARDO B. GADIANO, PROVINCIAL GOVERNOR, DATE
- (SEE COVER SHEET) JOSELITO A. ANTONIO, DISTRICT ENGINEER, MINDORO OCCIDENTAL DEO, DATE
- (SEE COVER SHEET) GERALD A. PAGANAN, CESO III, REGIONAL DIRECTOR, DPWH, REGION IV-B, DATE
- (SEE COVER SHEET) EDWIN C. MATANGUIHAN, OIC-DIRECTOR, BUREAU OF DESIGN, DATE NOV 18
- (SEE COVER SHEET) ERIC A. AYAPANA, ASSISTANT SECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES, DATE

APPROVED: (SEE COVER SHEET) MAXIMO L. CARVAJAL, UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES, DATE

SET NO. PP 08 08

SHEET NO. 12 39





STATION	9+000	9+050	9+100	9+150	9+200	9+250	9+300	9+350	9+400	9+450	9+500	9+550	9+600	9+650	9+700	9+750	9+800
DFL WITHOUT DREDGING	12.67	12.68	12.71	12.77	12.79	12.81	12.81	12.84	12.88	12.94	12.97	12.98	13.02	12.99	13.01	13.30	13.57
DESIGN FLOOD LEVEL	10.08	10.14	10.19	10.31	10.32	10.39	10.45	10.53	10.66	10.86	11.01	10.94	10.99	10.91	10.99	11.13	11.35
ORDINARY WATER LEVEL	7.92	7.99	8.05	8.12	8.18	8.24	8.31	8.37	8.44	8.50	8.57	8.63	8.69	8.76	8.82	8.89	8.95
EXISTING RIVERBED	8.54	8.87	9.01	8.09	7.08	7.10	7.26	7.36	7.36	7.61	7.85	7.91	8.54	8.34	8.55	8.39	8.52
DESIGN RIVERBED	4.42	4.49	4.56	4.62	4.69	4.76	4.82	4.89	4.96	5.02	5.09	5.16	5.22	5.29	5.36	5.42	5.49

PLAN & PROFILE STA. 9+000 - STA. 9+800

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:2000m

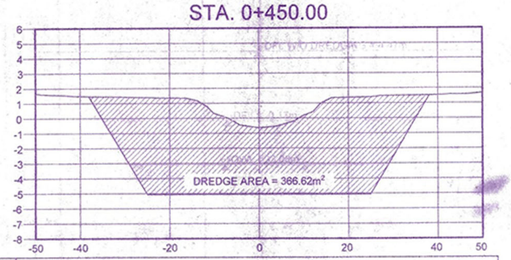
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
SG No.(02) 29 (10)
REYNALDO V. LABORTE JR. OWNER/MANAGER

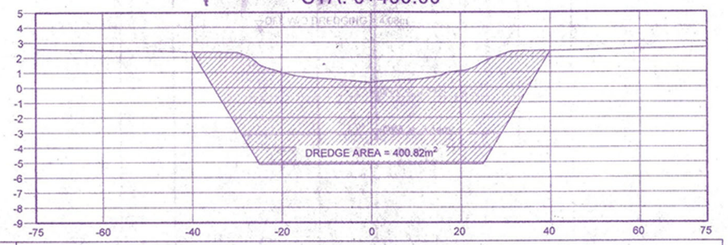
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	PLAN & PROFILE STA. 9+000 TO STA. 9+800	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	PP 08 | 08	12 39

STA. 0+450.00



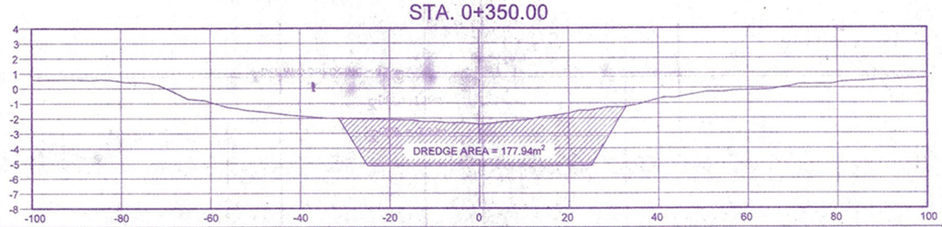
ELEVATION	1.65	1.47	1.41	1.35	0.30	-0.65	0.17	1.36	1.48	1.51	1.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+400.00



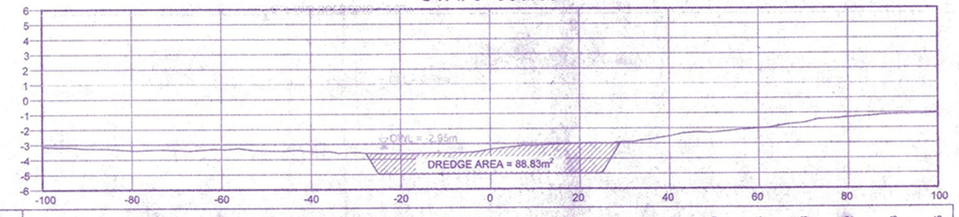
ELEVATION	2.56	2.46	2.44	2.37	2.31	1.00	0.55	0.30	0.49	1.08	2.24	2.41	2.46	2.53	2.61
DISTANCE	-75.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	-75.00

STA. 0+350.00



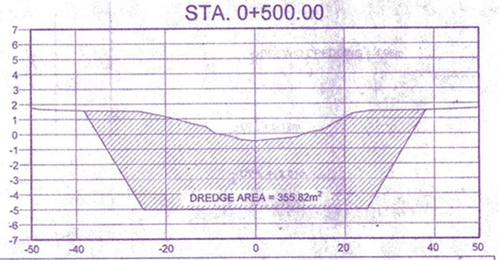
ELEVATION	0.56	0.56	0.45	0.00	-0.93	-1.53	-1.85	-2.01	-2.09	-2.13	-2.41	-2.13	-1.67	-1.27	-0.73	-0.30	-0.16	0.09	0.32	0.52	0.63
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 0+550.00



ELEVATION	-3.13	-3.27	-3.38	-3.67	-3.32	-3.42	-3.48	-3.56	0.00	-3.59	-3.36	-3.11	-3.00	-2.92	-2.53	-2.29	-2.03	-1.68	-1.32	-1.13	-1.05
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 0+500.00



ELEVATION	1.76	1.58	1.53	1.15	0.25	-0.50	-0.16	1.05	1.51	1.55	1.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 0+300 ~ STA. 0+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

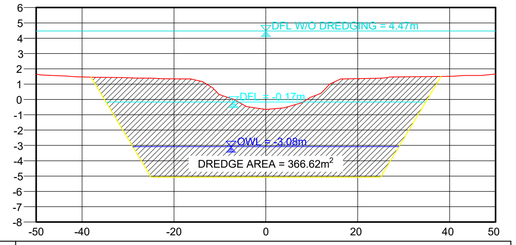
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS

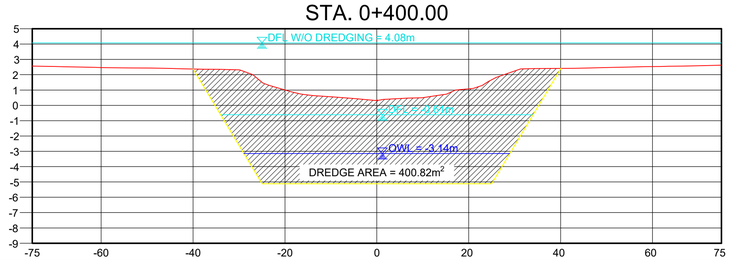
PROJECT NAME AND LOCATION	SHEET CONTENTS	SUBMITTED	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 Lm. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 0+300 - STA. 0+550	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO I. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN, CESO III REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE: NOV 18 2022	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 01 27	13 39

STA. 0+450.00



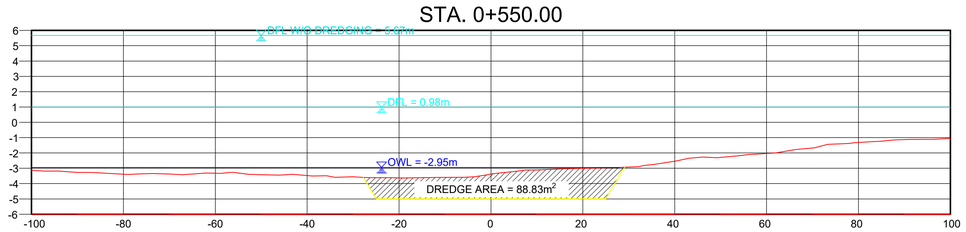
ELEVATION	1.65	1.47	1.41	1.35	0.30	-0.65	0.17	1.36	1.48	1.51	1.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+400.00



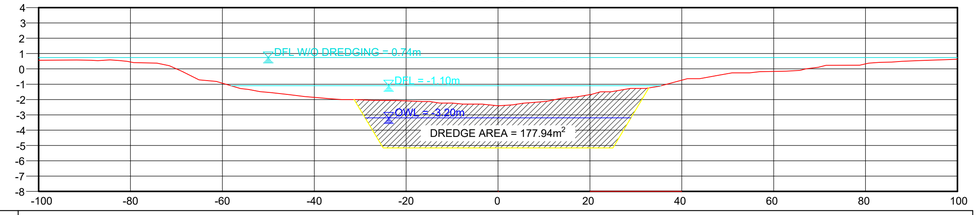
ELEVATION	2.56	2.46	2.44	2.37	2.31	1.00	0.55	0.30	0.49	1.08	2.24	2.41	2.46	2.53	2.61
DISTANCE	-75.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	-75.00

STA. 0+550.00



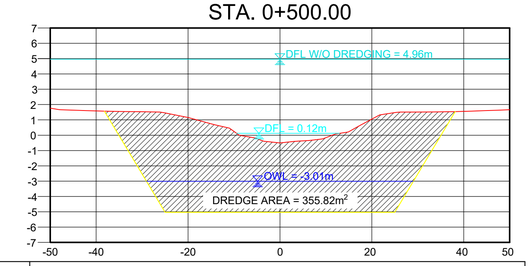
ELEVATION	-3.13	-3.27	-3.38	-3.87	-3.32	-3.42	-3.48	-3.56	0.00	-3.59	-3.36	-3.11	-3.00	-2.92	-2.53	-2.29	-2.03	-1.68	-1.32	-1.13	-1.05
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 0+350.00



ELEVATION	0.56	0.56	0.45	0.00	-0.93	-1.53	-1.85	-2.01	-2.09	-2.13	-2.41	-2.13	-1.67	-1.27	-0.73	-0.30	-0.16	0.09	0.32	0.52	0.63
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 0+500.00



ELEVATION	1.76	1.58	1.53	1.15	0.25	-0.50	-0.16	1.05	1.51	1.55	1.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 0+300 ~ STA. 0+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

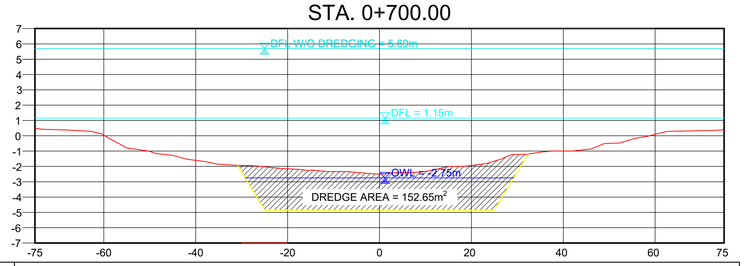
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No.(042) 710-1135
REYNALDO V. LABORTE JR. - OWNER/MANAGER

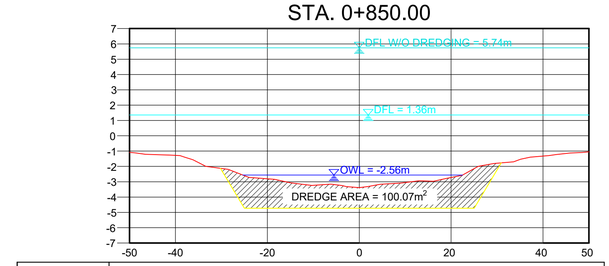
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 0+300 - STA. 0+550	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 01 | 27	13 39

STA. 0+700.00



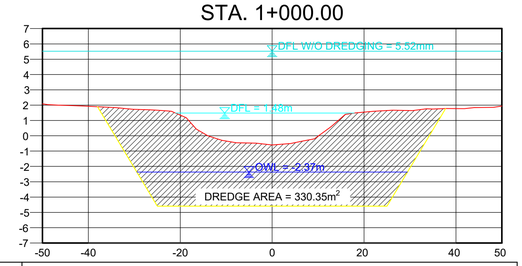
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DISTANCE	-75.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	-75.00

STA. 0+850.00



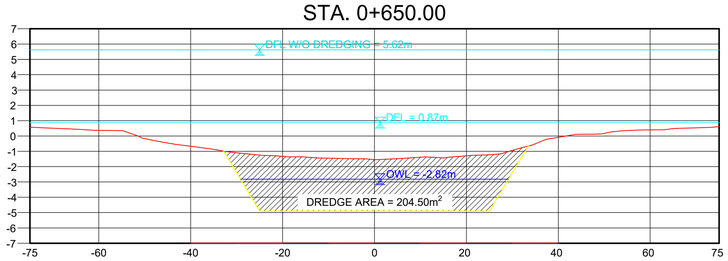
ELEVATION	-1.08	-1.28	-2.13	-2.81	-3.23	-3.38	-3.05	-2.72	-1.79	-1.33	-1.04
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+000.00



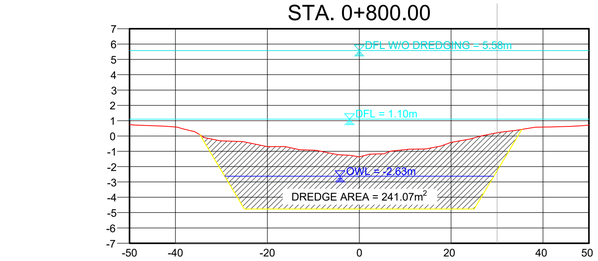
ELEVATION	2.08	1.93	1.72	1.35	-0.34	-0.60	-0.03	1.54	1.64	1.77	1.94
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+650.00



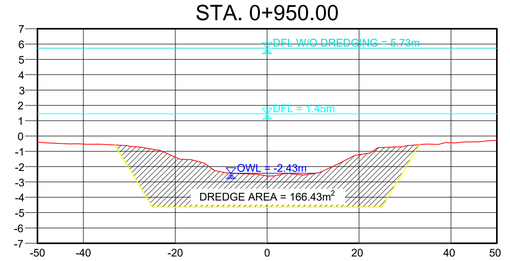
ELEVATION	-0.42	-0.63	-1.17	-1.67	-2.09	-2.33	-2.44	-2.55	-2.38	-2.29	-1.93	-1.08	-0.82	-0.60	-0.38
DISTANCE	-75.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	-75.00

STA. 0+800.00



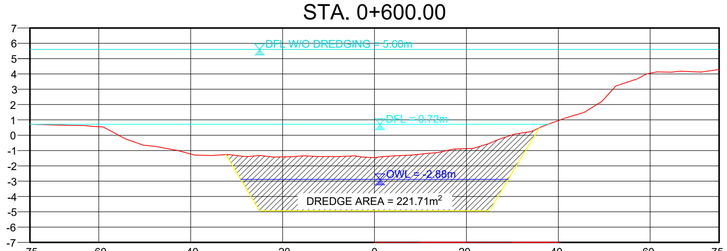
ELEVATION	0.76	0.59	-0.32	-0.70	-0.93	-1.36	-0.89	-0.42	0.21	0.59	0.71
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+950.00



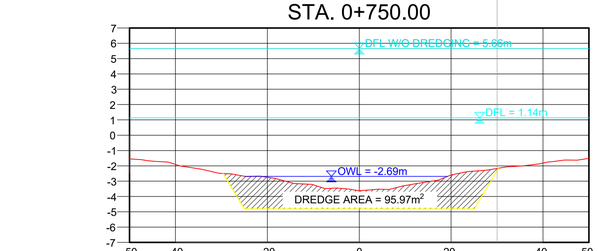
ELEVATION	-0.41	-0.53	-0.67	-1.38	-2.34	-2.61	-2.46	-1.22	-0.66	-0.44	-0.28
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+600.00



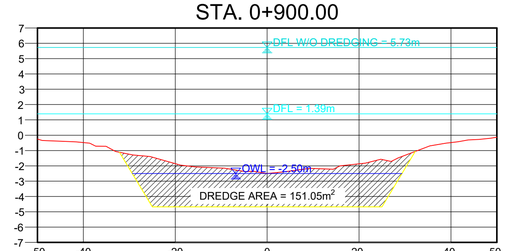
ELEVATION	0.71	0.55	-0.65	-1.22	-1.32	-1.41	-1.39	-1.46	-1.23	-0.87	0.02	0.95	2.37	4.04	4.29
DISTANCE	-75.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	-75.00

STA. 0+750.00



ELEVATION	-1.54	-1.91	-2.49	-2.75	-3.24	-3.63	-3.29	-2.60	-2.17	-1.82	-1.51
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 0+900.00



ELEVATION	-0.25	-0.48	-1.24	-1.86	-2.15	-2.50	-2.17	-1.87	-1.35	-0.48	-0.13
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 0+600 ~ STA. 1+000

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

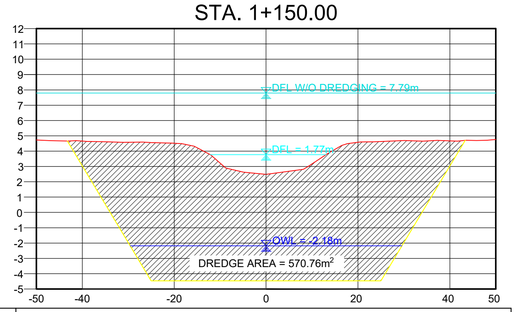
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No.(042) 710-1125
REYNALDO V. LABORTE JR. - OWNER/MANAGER

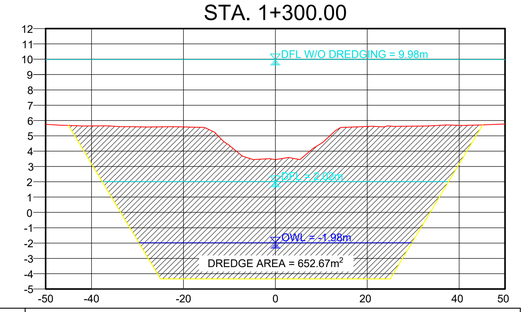
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 0+600 - STA. 1+000	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 02 27	14 39

STA. 1+150.00



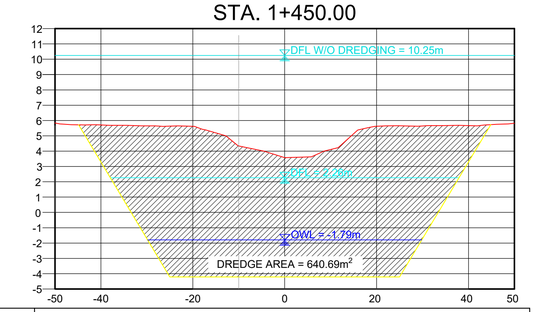
ELEVATION	4.73	4.66	4.58	4.51	3.22	2.48	3.08	4.58	4.69	4.67	4.76
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+300.00



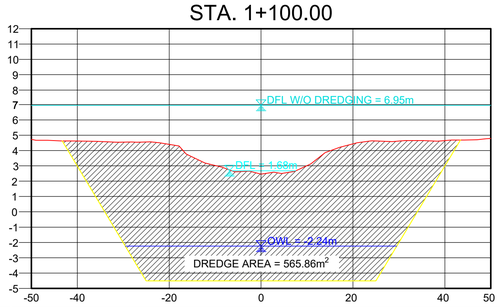
ELEVATION	5.75	5.65	5.59	5.58	4.42	3.45	2.52	5.61	5.64	5.68	5.77
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+450.00



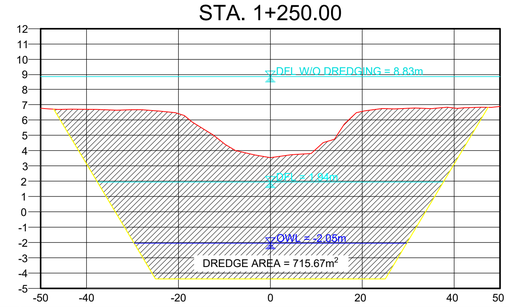
ELEVATION	5.83	5.71	5.65	5.62	4.34	3.58	4.11	5.62	5.64	5.67	5.82
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+100.00



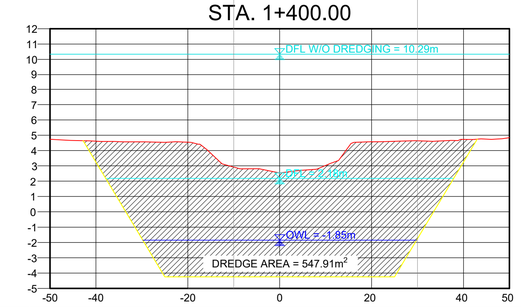
ELEVATION	4.73	4.62	4.55	4.40	3.02	2.46	3.01	4.44	4.62	4.65	4.79
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+250.00



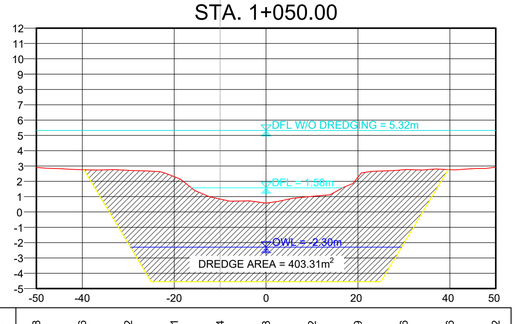
ELEVATION	6.76	6.69	6.66	6.40	4.43	3.54	4.11	6.56	6.76	6.78	6.88
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+400.00



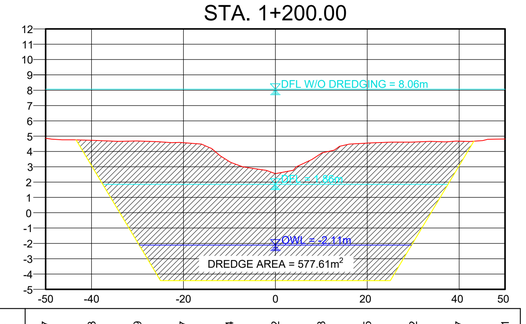
ELEVATION	4.74	4.61	4.57	4.54	2.92	2.54	3.03	4.57	4.64	4.73	4.84
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+050.00



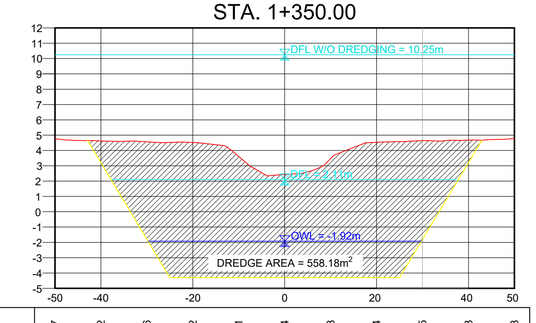
ELEVATION	2.98	2.76	2.72	2.31	0.84	0.58	1.02	3.39	2.76	2.76	2.92
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+200.00



ELEVATION	4.87	4.73	4.69	4.57	3.34	3.42	3.88	4.55	4.62	4.67	4.81
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+350.00



ELEVATION	4.77	4.62	4.56	4.52	3.61	2.44	3.48	4.54	4.65	4.68	4.78
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 1+050 ~ STA. 1+450

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

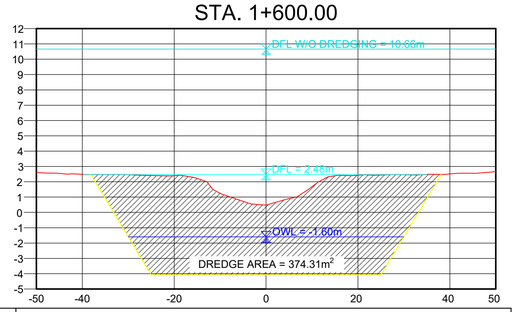
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
G.A.D.#21-75-1109
REYNALDO V. LABORTE JR. - OWNER/MANAGER

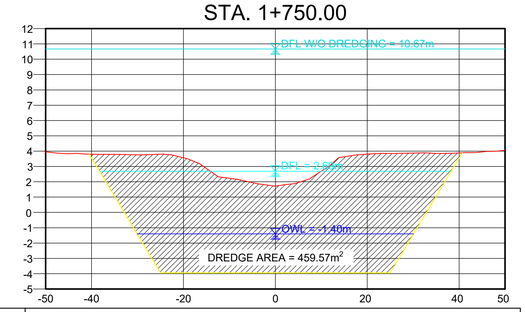
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:		RECOMMENDING APPROVAL:				APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 1+050 - STA. 1+450	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 03 | 27	15 39

STA. 1+600.00



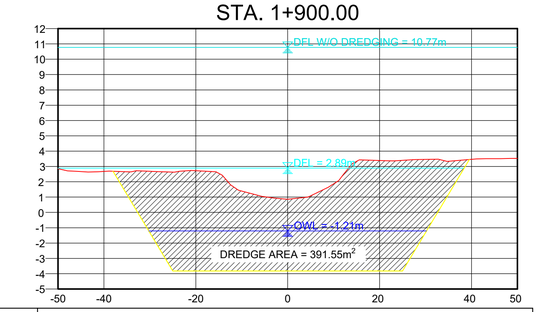
ELEVATION	2.62	2.49	4.47	2.40	1.25	0.48	1.68	2.43	2.46	2.51	2.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+750.00



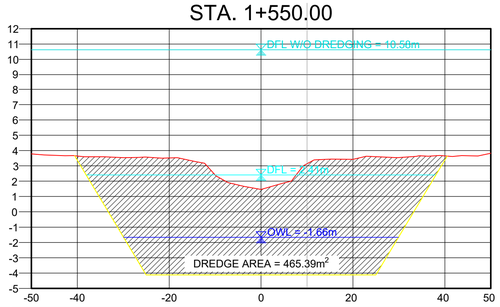
ELEVATION	3.96	3.80	3.76	3.56	2.23	1.72	2.70	3.80	3.88	3.88	4.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+900.00



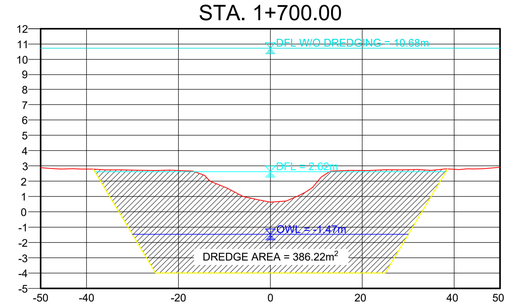
ELEVATION	2.86	2.68	2.68	2.72	1.39	0.86	1.87	3.39	3.46	3.47	3.53
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+550.00



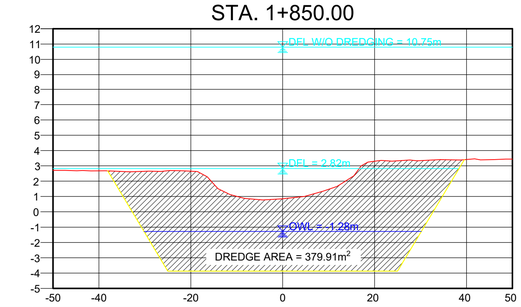
ELEVATION	3.78	3.64	3.54	3.52	2.41	1.46	3.14	3.42	3.54	3.65	3.82
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+700.00



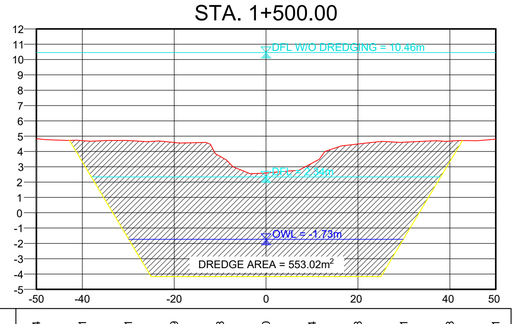
ELEVATION	2.88	2.79	2.72	2.70	1.62	0.63	1.88	2.70	2.75	2.78	2.91
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+850.00



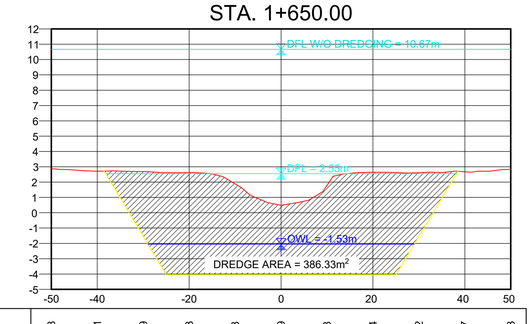
ELEVATION	2.71	2.68	2.64	2.65	1.00	0.85	1.47	3.30	3.34	3.41	3.44
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+500.00



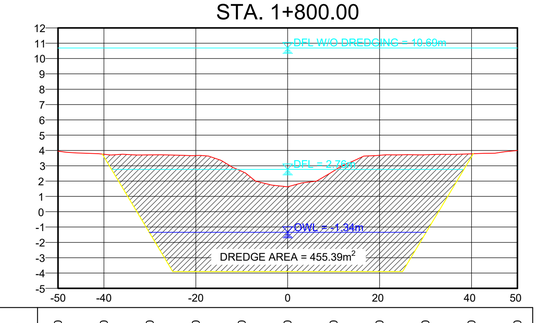
ELEVATION	4.84	4.71	4.71	4.59	3.68	2.60	3.24	4.48	4.61	4.68	4.81
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+650.00



ELEVATION	2.88	2.71	2.69	2.63	1.88	0.49	1.78	2.64	2.62	2.67	2.83
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+800.00



ELEVATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 1+500 ~ STA. 1+900

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

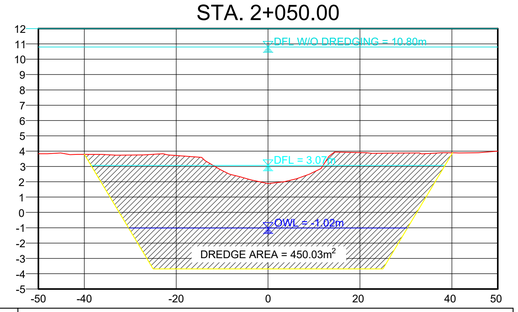
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OWNER/PROPONENT

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G.A.D.#21-75-1109
REYNALDO V. LABORTE JR. - OWNER/MANAGER

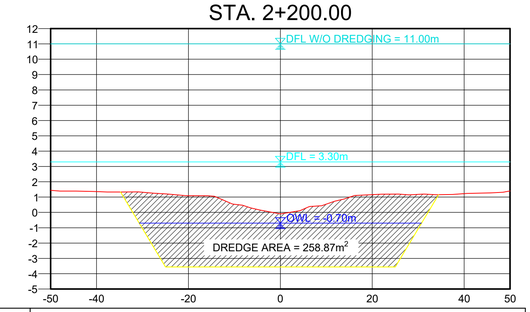
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 1+500 - STA. 1+900	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 04 | 27	16 39

STA. 2+050.00



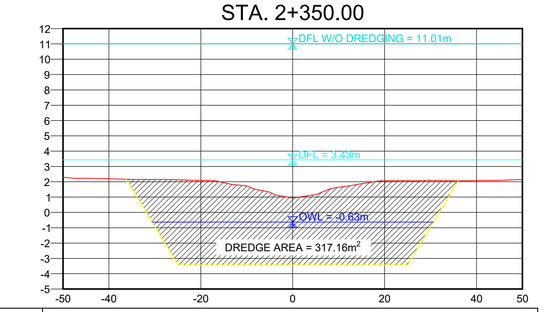
ELEVATION	3.83	3.79	3.75	3.72	2.73	1.88	2.64	3.91	3.88	3.90	4.00
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+200.00



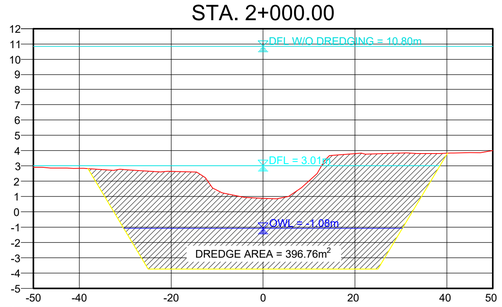
ELEVATION	1.44	1.36	1.32	1.10	0.53	-1.91	0.55	1.16	1.17	1.23	1.41
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+350.00



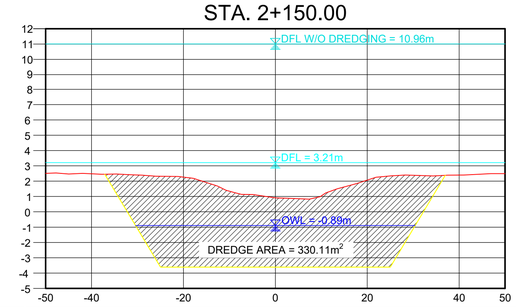
ELEVATION	2.30	2.20	2.15	2.09	1.72	0.93	1.62	2.06	2.08	2.07	2.16
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+000.00



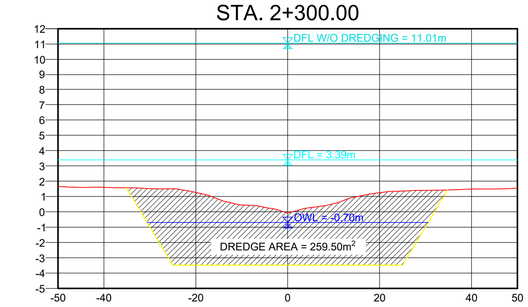
ELEVATION	2.90	2.84	2.75	2.64	1.40	0.87	2.00	3.80	3.84	3.83	4.00
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+150.00



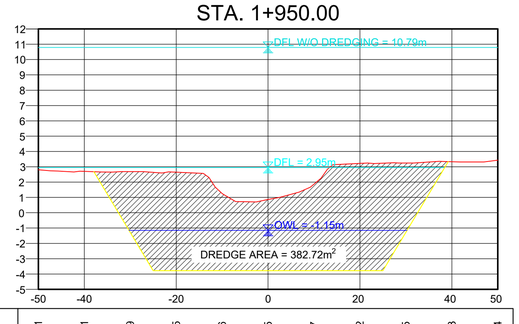
ELEVATION	2.51	2.48	2.40	2.27	1.35	0.91	1.03	2.07	2.39	2.40	2.50
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+300.00



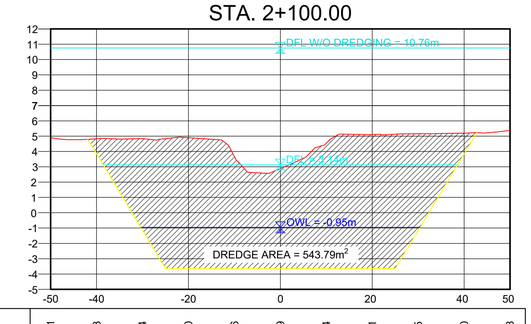
ELEVATION	1.65	1.60	1.52	1.26	.45	-1.92	0.53	1.25	1.40	1.48	1.55
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 1+950.00



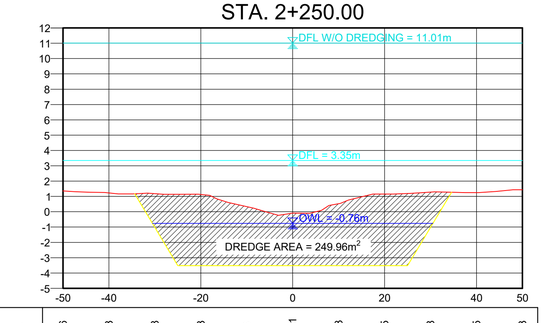
ELEVATION	2.81	2.71	2.69	2.65	1.26	0.85	1.87	3.22	3.25	3.33	3.44
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+100.00



ELEVATION	4.91	4.83	4.84	4.90	3.66	2.89	4.54	5.11	5.15	5.20	5.38
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+250.00



ELEVATION	1.36	1.23	1.18	1.13	.33	-1.91	0.53	1.15	1.28	1.25	1.43
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 1+950 ~ STA. 2+350

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

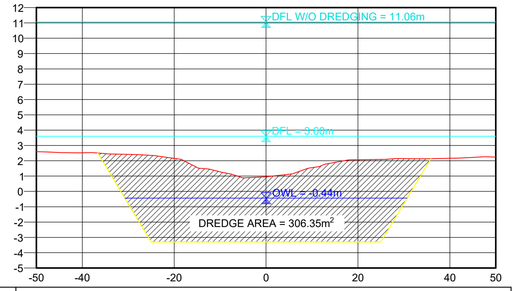
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
TIN 465-753-000
REYNALDO V. LABORTE JR. - OWNER/MANAGER

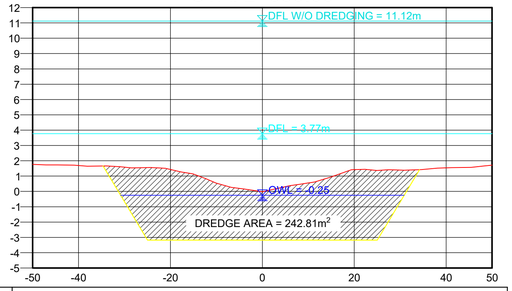
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 1+950 - STA. 2+350	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 05 | 27	17 39

STA. 2+500.00



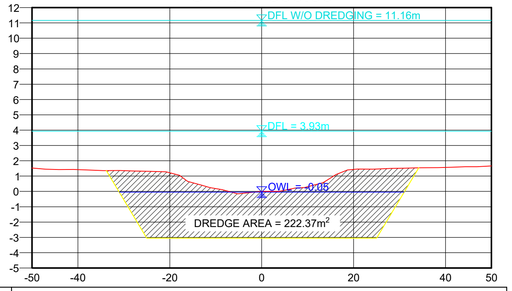
ELEVATION	2.59	2.53	2.42	2.16	1.28	.96	1.55	2.07	2.14	2.16	2.24
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+650.00



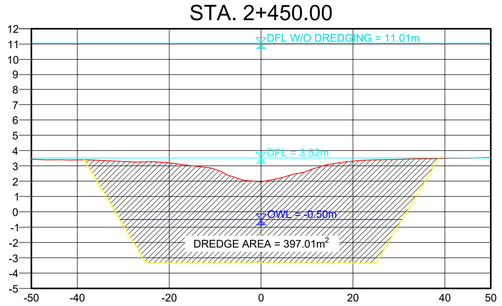
ELEVATION	1.76	1.69	1.58	1.43	0.54	-1.98	0.55	1.43	1.39	1.54	1.71
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+800.00



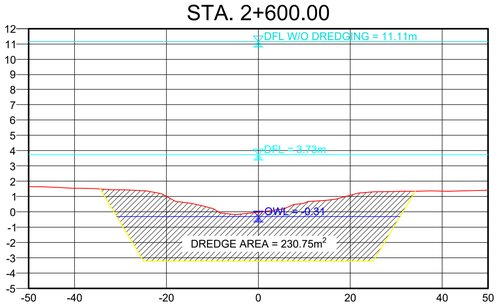
ELEVATION	1.53	1.42	1.36	1.22	0.18	0.01	0.26	1.43	1.51	1.56	1.67
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+450.00



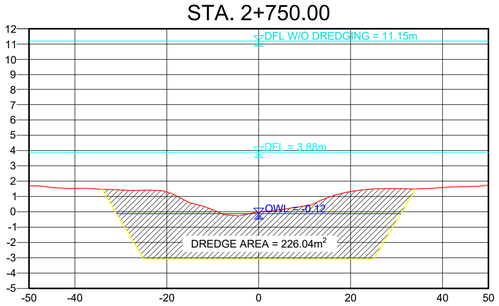
ELEVATION	3.43	3.39	3.29	3.20	2.77	1.95	2.66	3.31	3.42	3.49	3.55
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+600.00



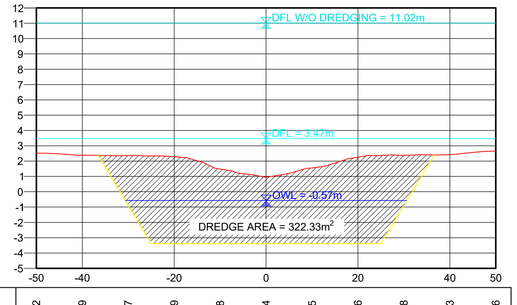
ELEVATION	2.64	2.53	2.44	2.00	1.22	.97	1.57	2.08	2.33	2.35	2.41
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+750.00



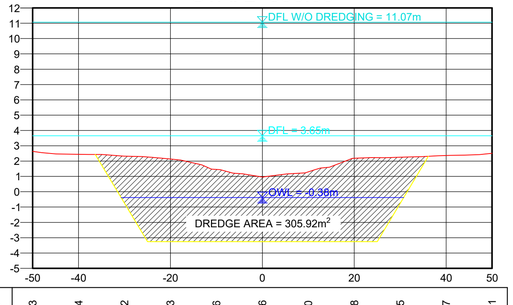
ELEVATION	1.70	1.53	1.43	1.29	0.14	0.00	0.39	1.32	1.52	1.59	1.74
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+400.00



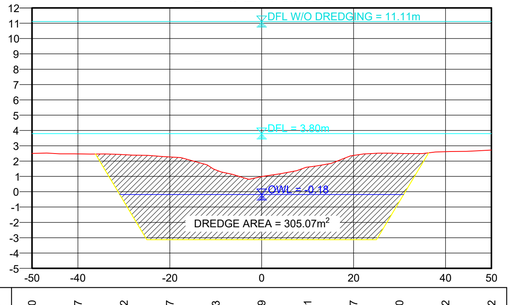
ELEVATION	2.52	2.39	2.37	2.29	1.48	0.94	1.55	2.26	2.38	2.43	2.66
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+550.00



ELEVATION	2.63	2.44	2.32	2.13	1.46	0.96	1.30	2.18	2.25	2.37	2.51
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+700.00



ELEVATION	2.50	2.47	2.42	2.27	1.43	0.99	1.61	2.37	2.50	2.62	2.72
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 2+400 ~ STA. 2+800

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

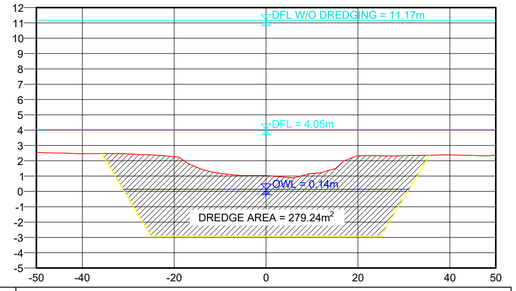
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
R.A.163 (TCC)
REYNALDO V. LABORTE JR. - OWNER/MANAGER

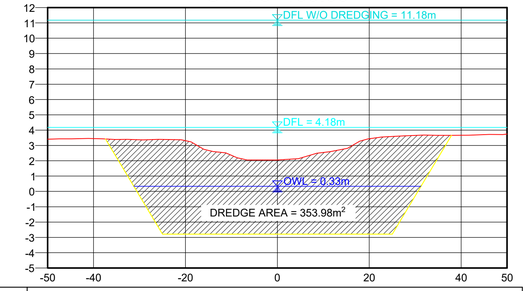
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 2+400 - STA. 2+800	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 06 | 27	18 39

STA. 2+950.00



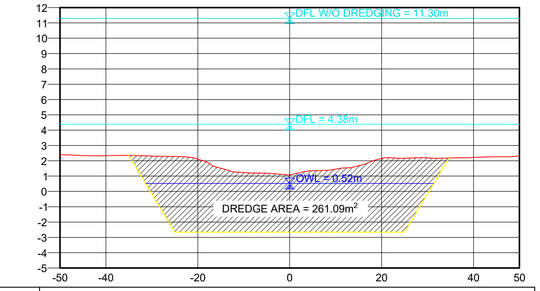
ELEVATION	2.55	2.46	2.45	2.23	1.18	1.04	1.17	2.32	2.34	2.38	2.37
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+100.00



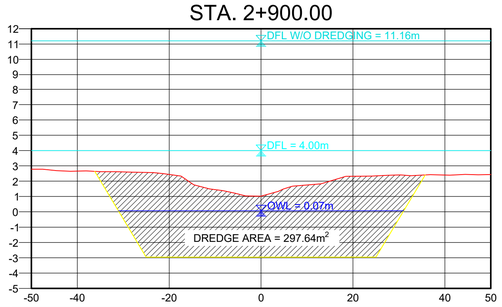
ELEVATION	3.41	3.45	3.38	3.31	2.36	2.06	2.54	3.44	3.66	3.67	3.75
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+250.00



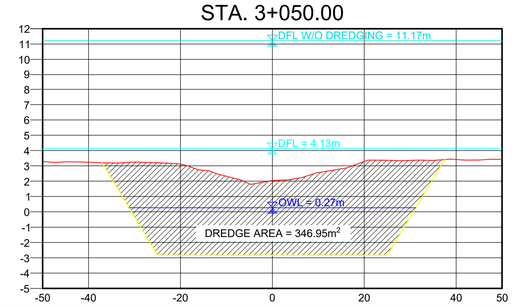
ELEVATION	2.40	2.34	2.31	2.11	1.23	1.08	1.46	2.15	2.19	2.21	2.31
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+900.00



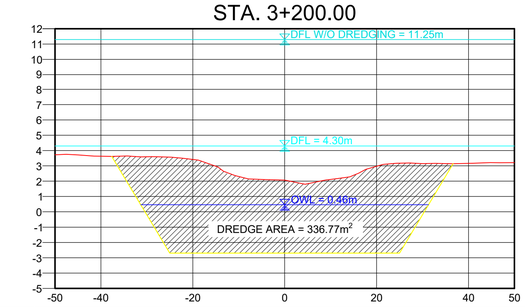
ELEVATION	2.78	2.66	2.61	2.44	1.45	1.02	1.75	2.32	2.41	2.40	2.44
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+050.00



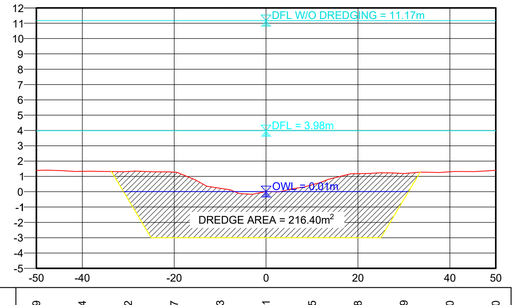
ELEVATION	3.29	3.23	3.25	3.11	2.32	2.05	2.56	3.29	3.36	3.41	3.42
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+200.00



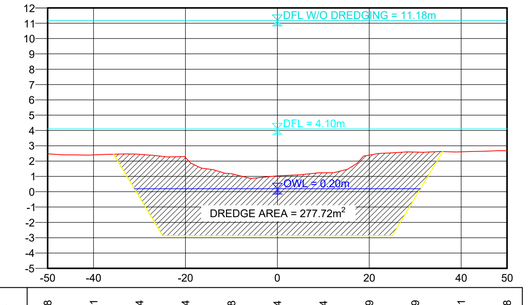
ELEVATION	3.72	3.63	3.59	3.42	2.31	2.07	2.12	2.98	3.15	3.15	3.21
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 2+850.00



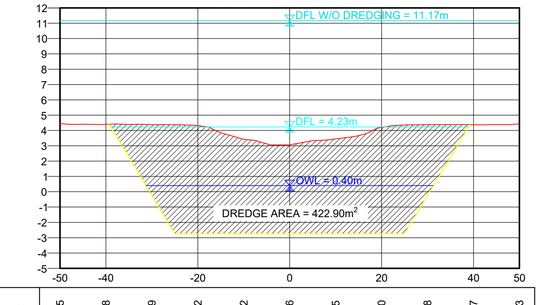
ELEVATION	1.39	1.34	1.32	1.27	0.23	0.01	0.45	1.18	0.19	1.30	1.40
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+000.00



ELEVATION	2.48	2.41	2.44	2.24	1.18	1.04	1.24	2.39	2.59	2.61	2.68
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+150.00



ELEVATION	4.45	4.38	4.39	4.32	3.42	3.06	3.45	4.20	4.38	4.37	4.43
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 2+850 ~ STA. 3+250

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

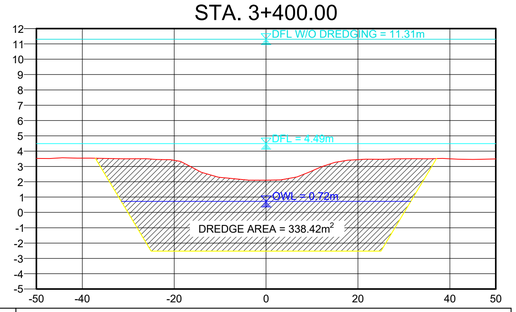
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
R.A.163 (TCC)
REYNALDO V. LABORTE JR. - OWNER/MANAGER

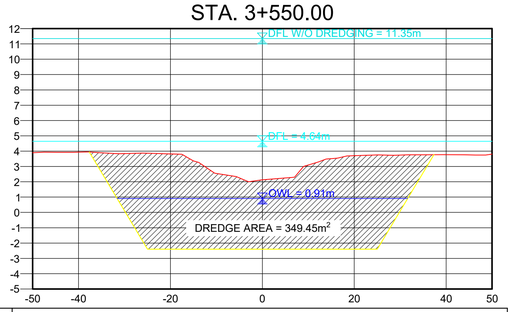
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:		RECOMMENDING APPROVAL:				APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 2+850 - STA. 3+250	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 07 | 27	19 39

STA. 3+400.00



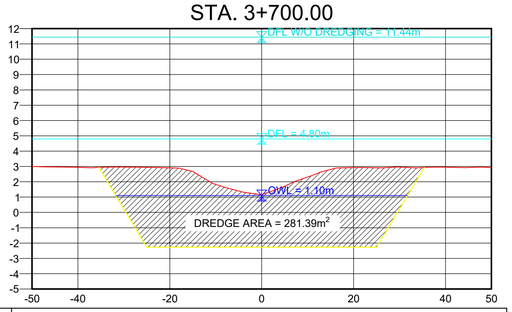
ELEVATION	3.52	3.54	3.51	3.40	2.29	2.10	2.71	3.45	3.51	3.50	3.49
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+550.00



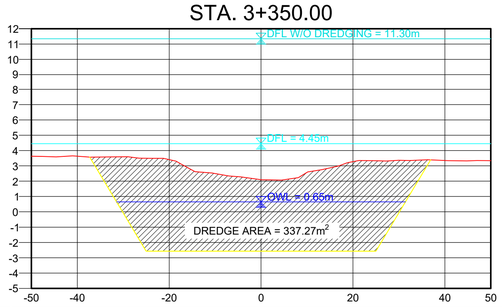
ELEVATION	3.90	3.93	3.84	3.82	2.54	2.13	3.09	3.70	3.74	3.77	3.80
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+700.00



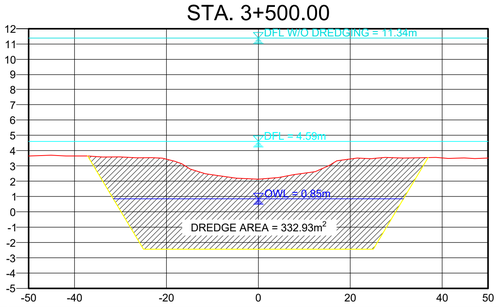
ELEVATION	3.00	2.94	2.96	2.91	1.83	1.15	2.31	2.93	2.96	2.93	2.92
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+350.00



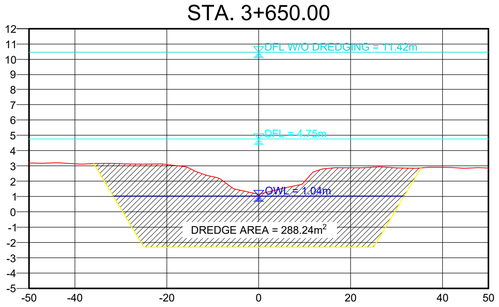
ELEVATION	3.63	3.62	3.59	3.41	2.49	2.10	2.57	2.28	3.36	3.35	3.34
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+500.00



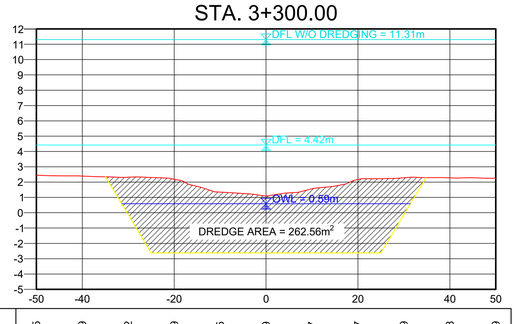
ELEVATION	3.65	3.64	3.58	3.44	2.42	2.13	2.52	3.45	3.53	3.52	3.51
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+650.00



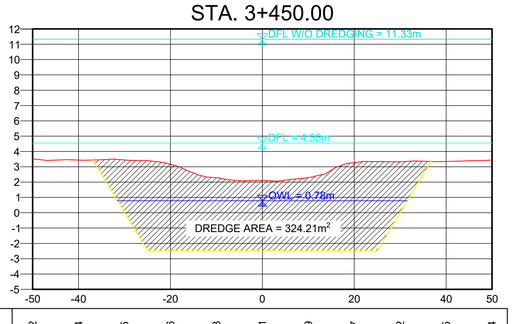
ELEVATION	3.19	3.13	3.14	3.09	2.30	1.15	1.98	2.87	2.86	2.9	2.86
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+300.00



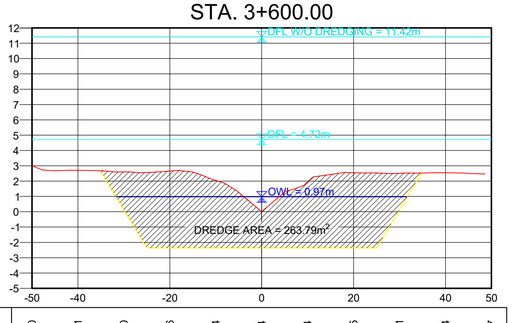
ELEVATION	2.45	2.39	2.32	2.19	1.35	1.09	1.57	2.17	2.29	2.28	2.49
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+450.00



ELEVATION	3.52	3.44	3.45	3.16	2.28	2.11	2.29	3.27	3.32	3.35	3.44
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+600.00



ELEVATION	3.00	2.71	2.60	2.66	2.04	1.14	1.94	2.55	2.51	2.54	2.47
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 3+300 ~ STA. 3+700

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

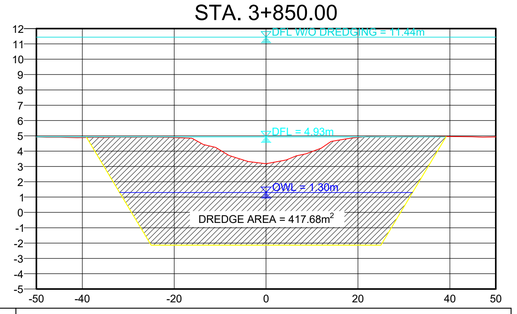
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
Tel. No.042-710-1109
REYNALDO V. LABORTE JR. - OWNER/MANAGER

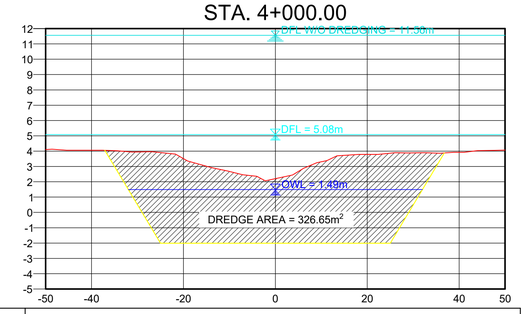
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:		RECOMMENDING APPROVAL:				APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 3+300 - STA. 3+700	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 08 | 27	20 39

STA. 3+850.00



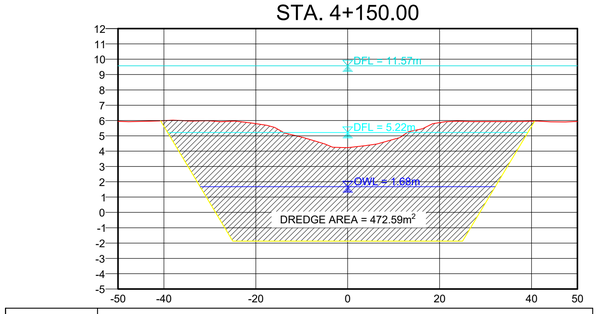
ELEVATION	4.92	4.88	4.91	4.89	4.07	3.18	3.97	4.90	4.94	4.95	4.93
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+000.00



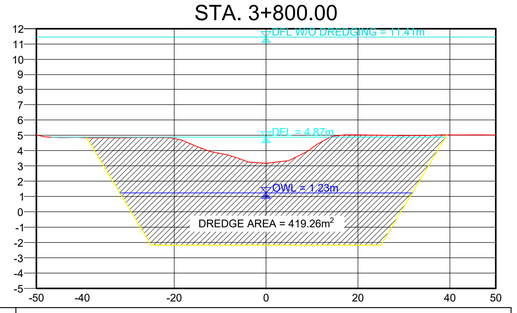
ELEVATION	4.01	4.06	3.95	3.51	2.67	2.20	3.31	3.79	3.88	3.93	4.06
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+150.00



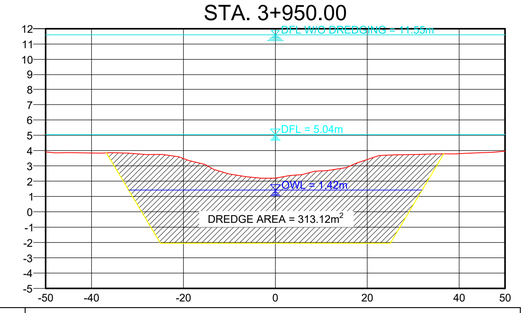
ELEVATION	5.95	5.99	5.97	5.79	4.91	4.23	4.77	5.86	5.93	5.95	5.94
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+800.00



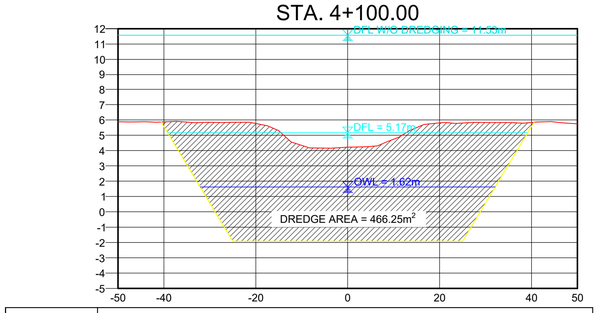
ELEVATION	5.02	4.85	4.84	4.78	3.81	3.17	4.16	5.02	4.98	5.02	5.01
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+950.00



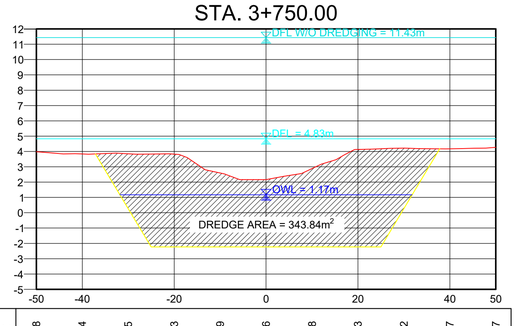
ELEVATION	3.91	3.84	3.78	3.48	3.47	2.20	2.67	3.42	3.74	3.80	3.96
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+100.00



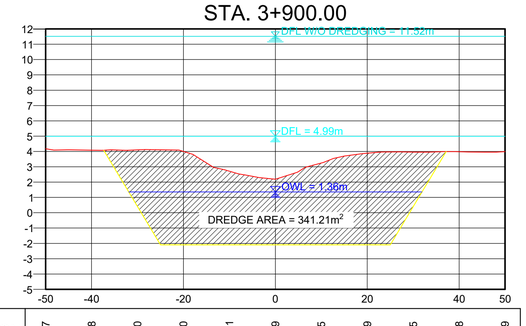
ELEVATION	5.88	5.87	5.85	5.77	4.34	4.22	4.74	5.81	5.83	5.84	5.75
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+750.00



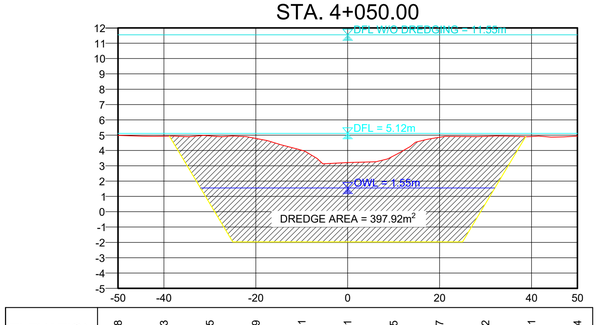
ELEVATION	3.98	3.84	3.85	3.83	2.59	2.16	2.88	4.13	4.22	4.17	4.27
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 3+900.00



ELEVATION	4.17	4.08	4.10	4.00	2.71	2.19	3.25	3.89	3.95	3.98	3.99
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+050.00



ELEVATION	4.98	4.93	4.95	4.79	4.01	3.21	3.65	4.87	4.92	4.91	4.94
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 3+750 ~ STA. 4+150

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

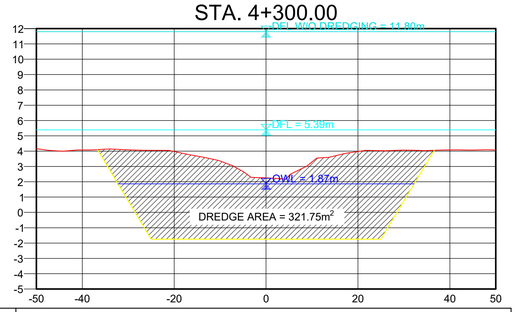
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
TIN 465-751-000
REYNALDO V. LABORTE JR. - OWNER/MANAGER

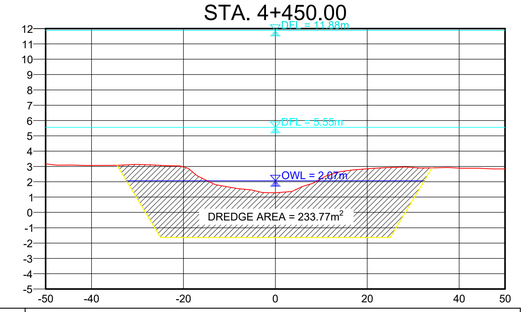
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 3+750 - STA. 4+150	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 9 | 27	21 39

STA. 4+300.00



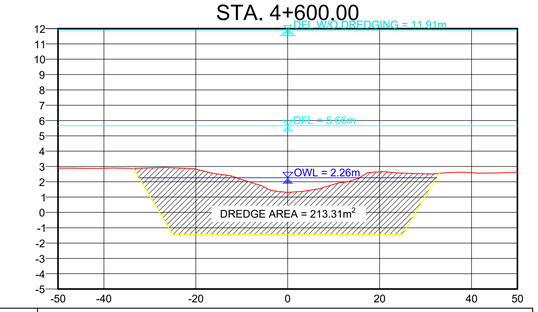
ELEVATION	4.16	4.07	4.08	3.98	3.36	2.25	3.30	3.98	4.07	4.08	4.07
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+450.00



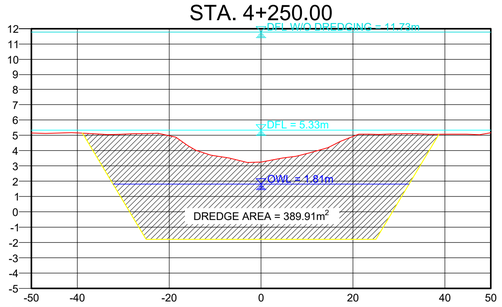
ELEVATION	3.17	3.07	3.13	2.97	1.65	1.28	2.20	2.85	2.93	2.89	2.84
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+600.00



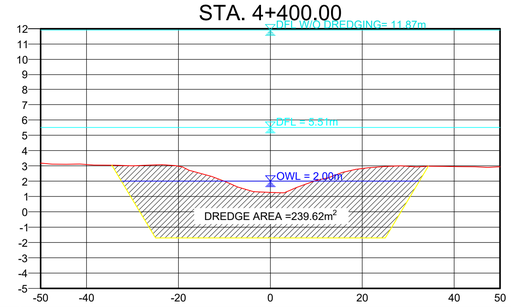
ELEVATION	2.89	2.88	2.91	2.83	2.15	1.30	1.83	2.65	2.52	2.59	2.63
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+250.00



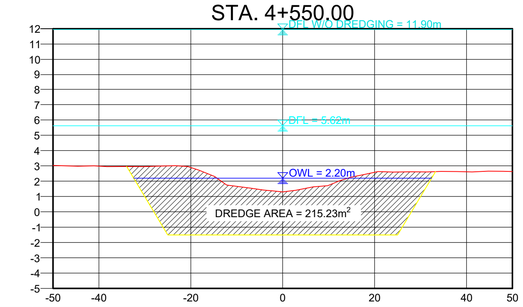
ELEVATION	5.14	5.15	5.07	4.97	3.65	3.25	3.81	4.92	5.09	5.07	5.16
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+400.00



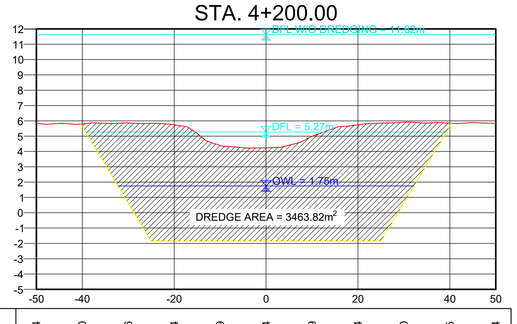
ELEVATION	3.18	3.09	3.00	2.98	1.99	1.27	2.04	2.83	2.97	2.95	2.94
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+550.00



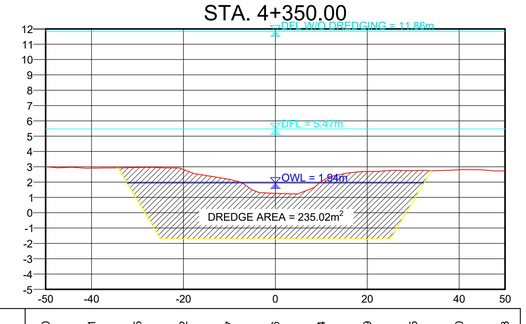
ELEVATION	3.02	2.98	2.97	2.89	1.66	1.30	1.73	2.58	2.61	2.62	2.63
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+200.00



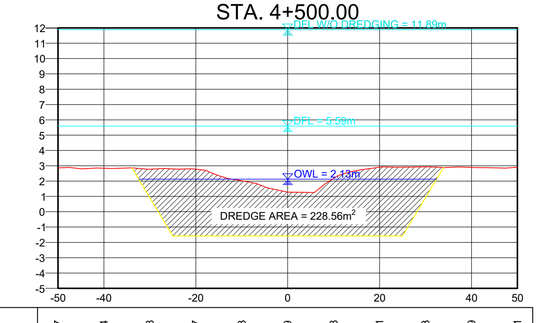
ELEVATION	5.84	5.80	5.86	5.74	4.39	4.24	4.99	5.74	5.90	5.85	5.84
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+350.00



ELEVATION	3.00	2.91	2.95	2.82	2.17	1.26	2.04	2.69	2.75	2.80	2.73
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+500.00



ELEVATION	2.87	2.84	2.78	2.77	2.03	1.29	2.18	2.91	2.93	2.89	2.91
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 4+200 ~ STA. 4+600

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

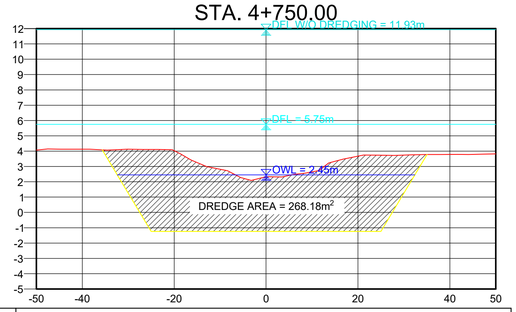
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
REYNALDO V. LABORTE JR. - OWNER/MANAGER

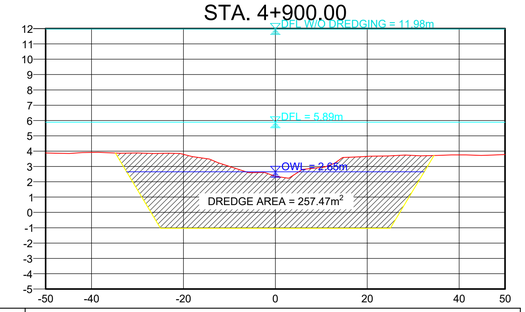
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 4+200 - STA. 4+600	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 10 | 27	22 / 39

STA. 4+750.00



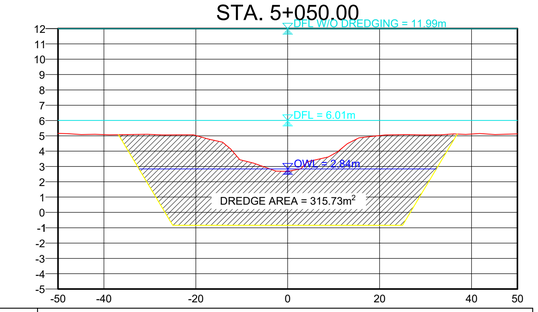
ELEVATION	4.07	4.13	4.12	4.03	2.82	2.33	2.65	3.67	3.74	3.78	3.82
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+900.00



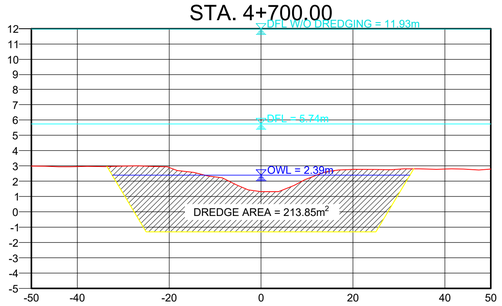
ELEVATION	3.88	3.91	3.88	3.79	3.00	2.35	2.94	3.66	3.72	3.75	3.78
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 5+050.00



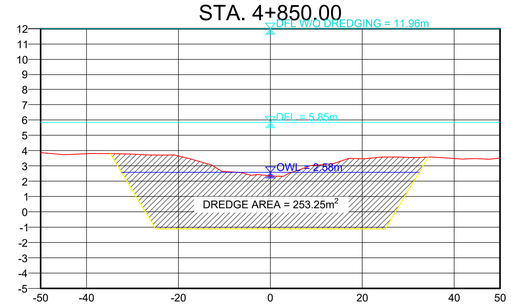
ELEVATION	5.16	5.08	5.09	5.02	3.41	2.68	3.81	5.01	5.06	5.11	5.12
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+700.00



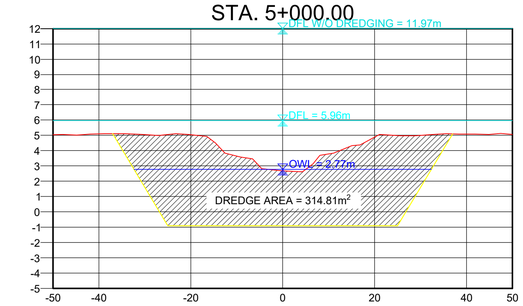
ELEVATION	2.98	2.95	2.99	2.90	2.28	1.32	2.15	2.77	2.78	2.80	2.79
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+850.00



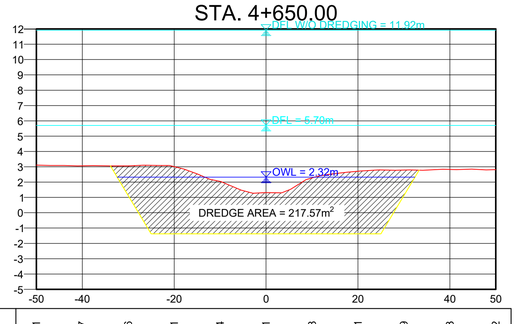
ELEVATION	3.86	3.79	3.77	3.65	3.64	2.34	3.05	3.47	3.55	3.48	3.51
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 5+000.00



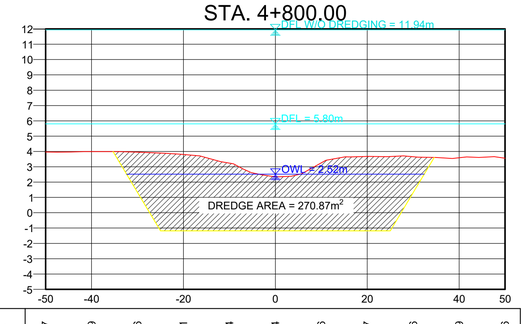
ELEVATION	5.03	5.09	5.04	5.03	3.63	2.67	3.78	4.88	4.99	5.08	5.05
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+650.00



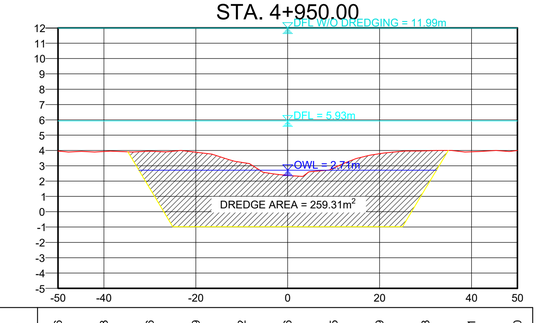
ELEVATION	3.11	3.07	3.06	3.01	2.04	1.31	2.28	2.71	2.79	2.83	2.82
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+800.00



ELEVATION	3.97	3.99	3.96	3.81	3.24	3.34	3.26	3.67	3.66	3.59	3.56
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 4+950.00



ELEVATION	3.96	3.93	3.96	3.89	3.22	2.26	2.85	3.79	3.98	3.91	4.00
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

CROSS-SECTION
STA. 4+650 ~ STA. 5+050

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

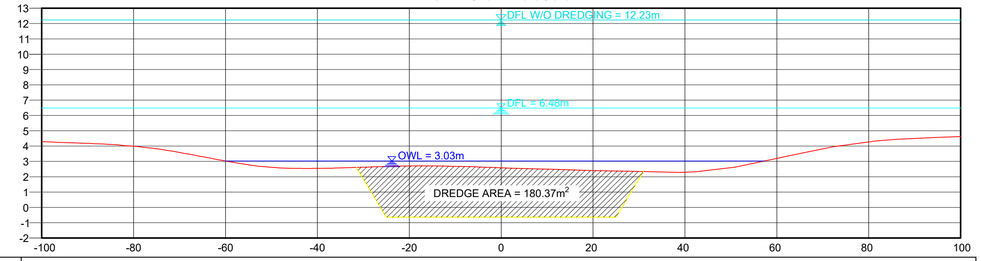
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Inabang, Tayabas City
TIN 465-715-000
REYNALDO V. LABORTE JR. - OWNER/MANAGER

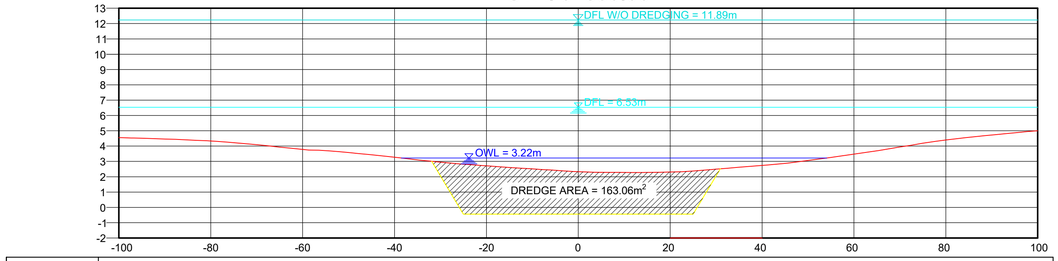
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 4+650 - STA. 5+050	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 11 | 27	23 39

STA. 5+200.00



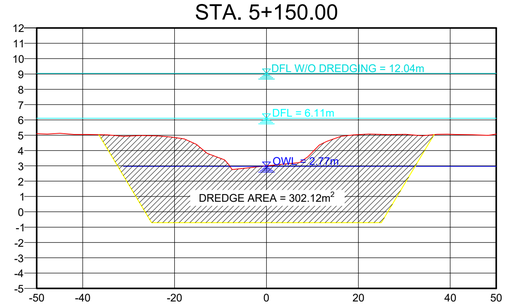
ELEVATION	4.29	4.18	3.99	3.58	3.03	2.61	2.55	2.62	2.70	2.68	2.58	2.49	2.40	2.35	2.29	2.60	3.19	3.85	4.29	4.51	4.62
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+350.00



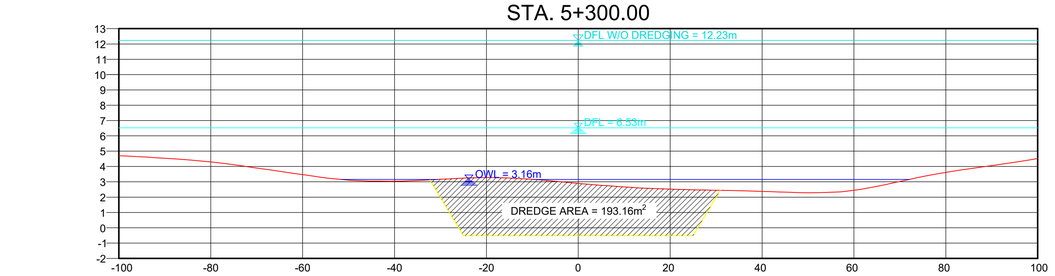
ELEVATION	4.55	4.46	4.33	4.09	3.79	3.58	3.27	2.95	2.71	2.51	2.33	2.28	2.30	2.50	2.74	3.10	3.48	3.94	4.40	4.72	5.01
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+150.00



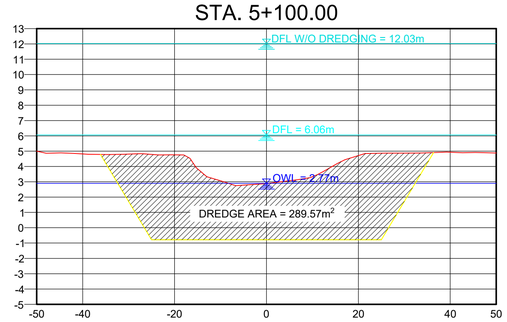
ELEVATION	5.10	5.05	4.94	4.85	3.49	3.00	3.89	5.04	5.06	5.06	5.07
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 5+300.00



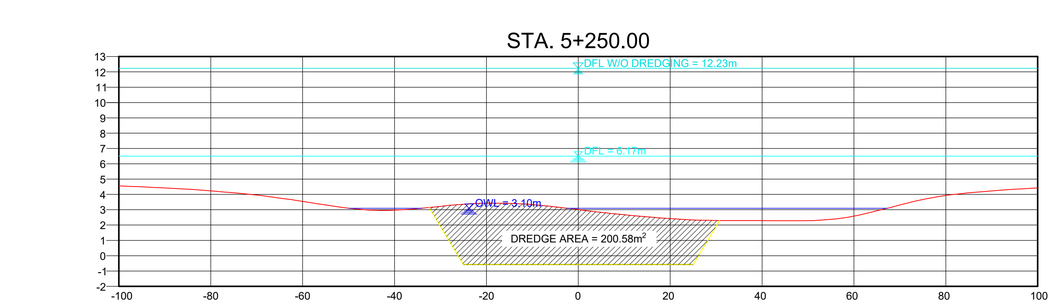
ELEVATION	4.71	4.53	4.30	3.90	3.46	3.11	3.05	3.17	3.28	3.16	2.90	2.67	2.52	2.45	2.37	2.29	2.44	3.03	3.62	4.06	4.52
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+100.00



ELEVATION	5.00	4.82	4.81	4.76	3.06	2.89	3.33	4.71	4.87	4.93	4.88
DISTANCE	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00

STA. 5+250.00



ELEVATION	4.55	4.42	4.23	3.95	3.54	3.10	2.97	3.22	3.43	3.34	3.01	2.68	2.42	2.30	2.30	2.30	2.58	3.31	3.94	4.23	4.43
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 5+100 ~ STA. 5+350

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

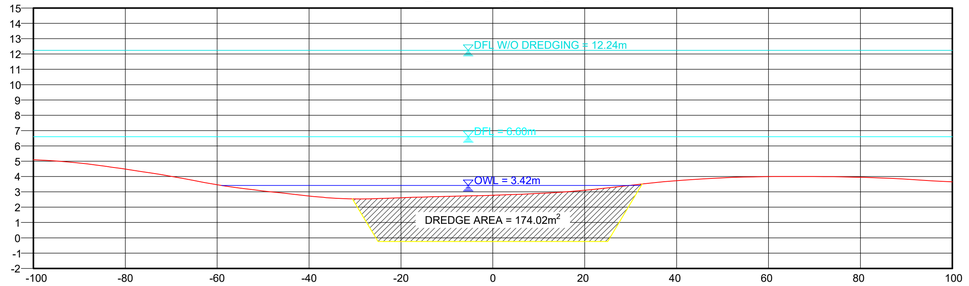
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habito St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
R.A.A.S 19-1-00
REYNALDO V. LABORTE JR. - OWNER/MANAGER

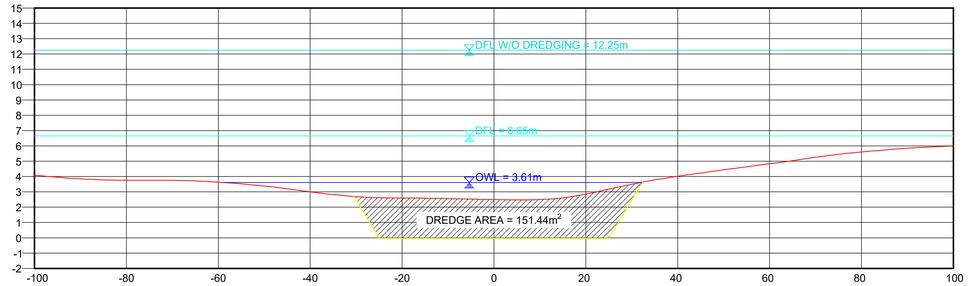
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 5+100 - STA. 5+350	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 12 | 27	24 39

STA. 5+500.00



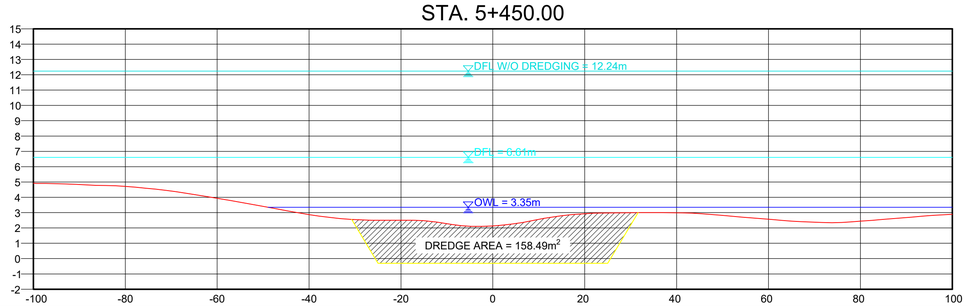
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	5.10	4.88	4.48	4.01	3.46	3.06	2.73	2.54	2.61	2.70	2.79	2.90	3.11	3.42	3.73	3.92	3.99	3.99	3.96	3.83	3.60

STA. 5+650.00



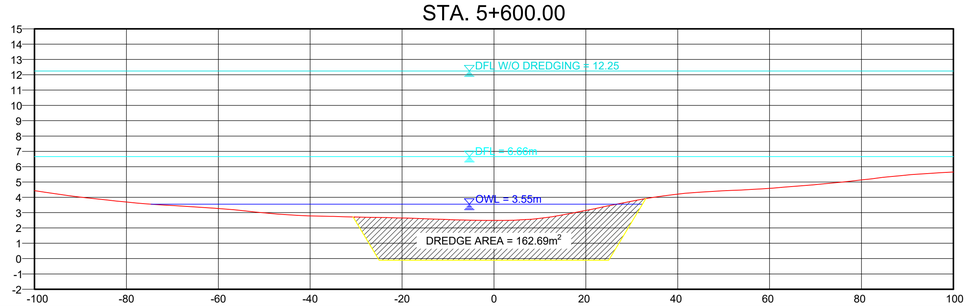
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	4.09	3.85	3.76	3.75	3.63	3.38	3.99	2.68	2.59	2.57	2.50	2.50	2.86	3.50	4.01	4.44	4.83	5.26	5.61	5.85	2.99

STA. 5+450.00



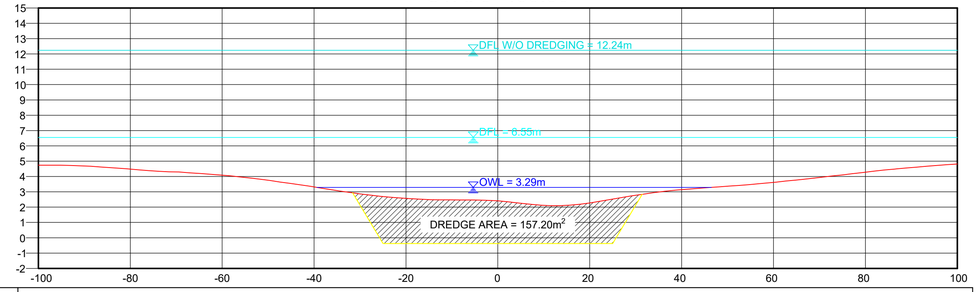
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	4.92	4.83	4.70	4.40	3.93	3.41	2.87	2.54	2.50	2.28	2.13	2.55	2.93	3.00	2.99	2.82	2.56	2.37	2.44	2.68	2.94

STA. 5+600.00



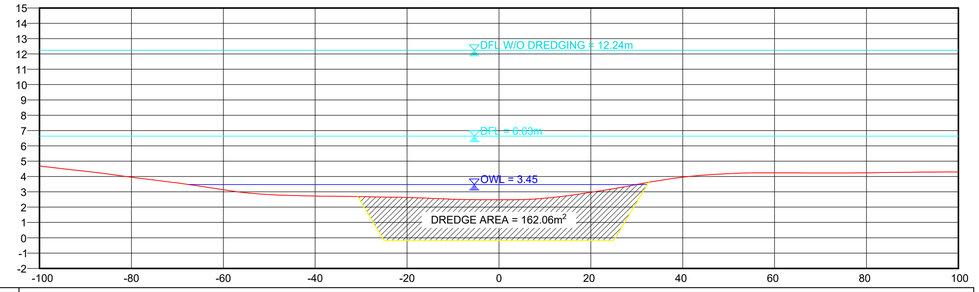
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	4.32	4.02	3.69	4.46	3.27	2.98	2.79	2.72	2.65	2.54	2.50	2.63	3.14	3.75	4.21	4.43	4.59	4.83	5.13	5.46	5.65

STA. 5+400.00



DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	5.74	5.68	4.48	4.30	4.09	3.75	3.32	2.86	2.56	2.47	2.42	2.12	2.27	2.78	3.14	3.37	3.61	3.93	4.28	4.58	4.81

STA. 5+550.00



DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	4.67	4.34	3.96	3.58	3.14	2.82	2.72	2.88	2.63	2.52	2.49	2.58	2.96	3.48	3.96	4.19	4.24	4.23	4.24	4.28	4.29

CROSS-SECTION
STA. 5+400 ~ STA. 5+650

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

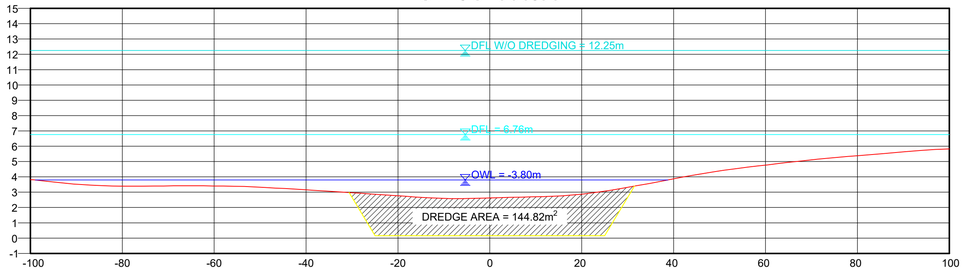
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-125
REYNALDO V. LABORTE JR. - OWNER/MANAGER

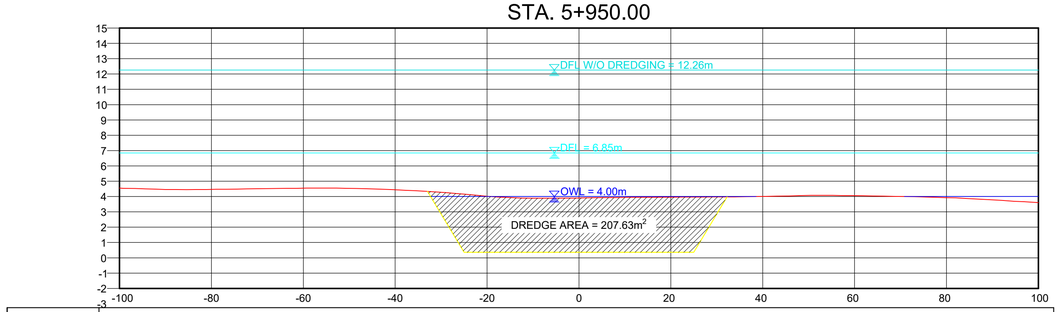
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 5+400 - STA. 5+650	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 13 | 27	25 39

STA. 5+800.00



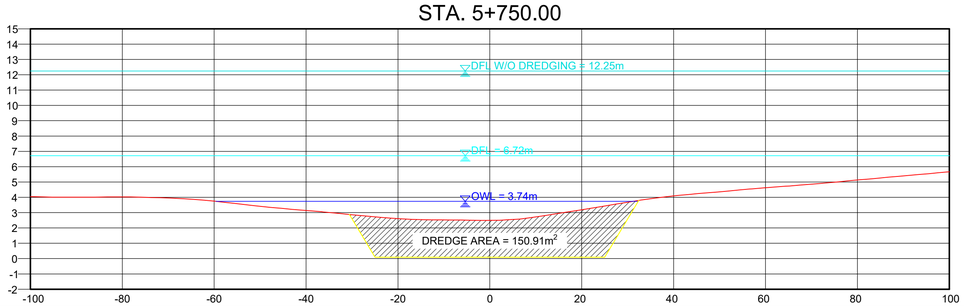
ELEVATION	3.82	2.52	3.40	3.40	3.41	3.33	3.15	2.96	2.77	2.59	2.62	2.70	2.87	3.31	3.87	4.39	4.77	5.11	5.38	5.64	5.83
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+950.00



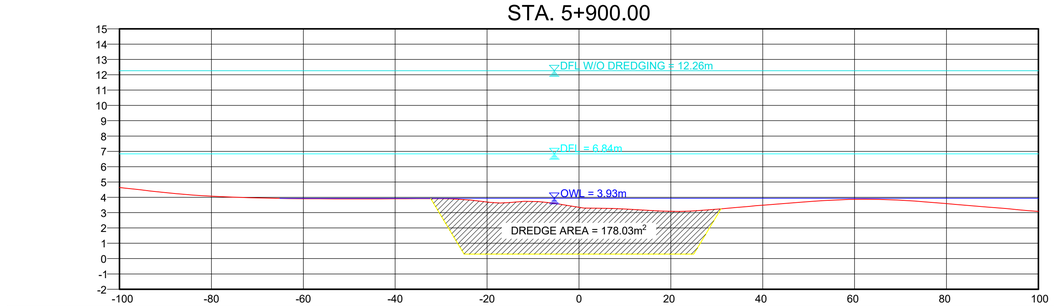
ELEVATION	4.55	4.47	4.46	4.51	4.55	4.54	4.45	4.27	4.02	3.89	3.91	3.94	3.96	3.98	4.01	4.07	4.06	4.01	3.92	3.78	3.60
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+750.00



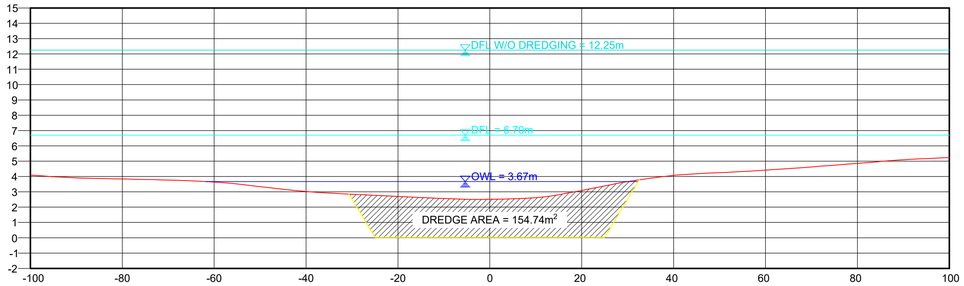
ELEVATION	4.05	4.01	4.02	3.95	3.75	3.41	3.15	2.86	2.61	2.53	2.50	2.72	3.19	3.68	4.09	4.36	4.62	4.86	5.13	5.39	5.67
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+900.00



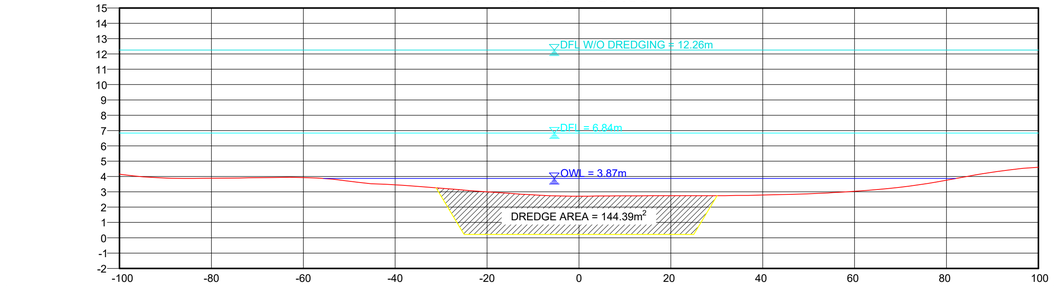
ELEVATION	4.64	4.31	4.08	3.96	3.90	3.89	3.90	3.91	3.69	3.74	3.35	3.23	3.08	3.22	3.48	3.72	3.86	3.81	3.59	3.33	3.07
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+700.00



ELEVATION	4.09	3.91	3.84	3.77	3.64	3.34	3.02	2.85	2.70	2.56	2.51	2.62	3.09	3.67	4.06	4.25	4.41	4.63	4.85	5.09	5.24
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 5+850.00



ELEVATION	4.16	3.90	3.88	3.92	3.93	3.69	3.46	3.23	3.00	2.80	2.71	2.74	2.75	2.75	2.79	2.87	3.04	3.30	3.75	4.29	4.63
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 5+700 ~ STA. 5+950

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

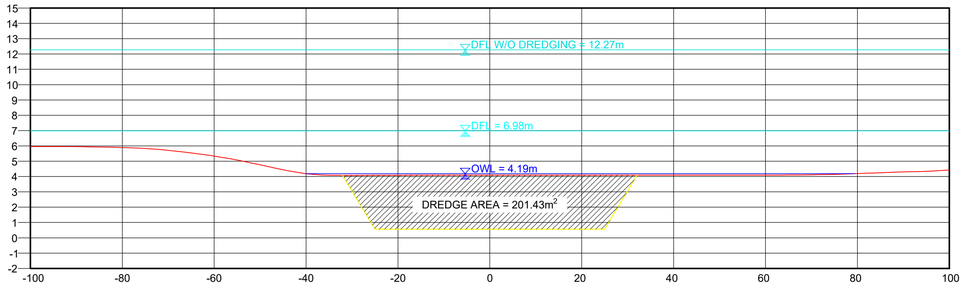
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OWNER/PROPONENT

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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-520
REYNALDO V. LABORTE JR. - OWNER/MANAGER

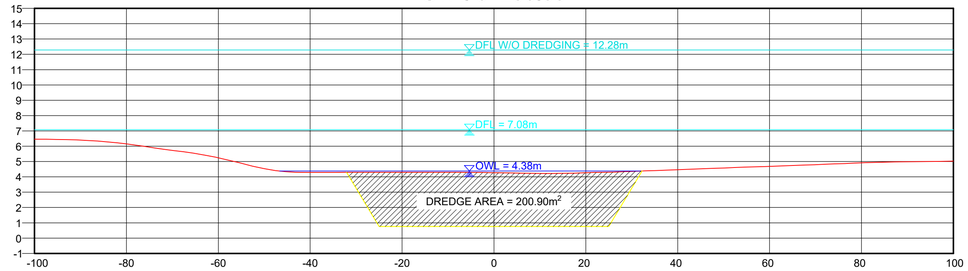
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 5+700 - STA. 5+950	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 14 | 27	26 39

STA. 6+100.00



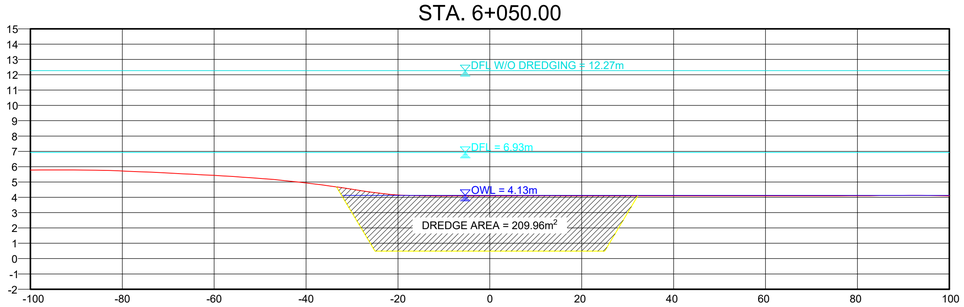
ELEVATION	5.96	5.95	5.87	5.71	5.34	4.76	4.20	4.07	4.08	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.11	4.19	4.30	4.38
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+250.00



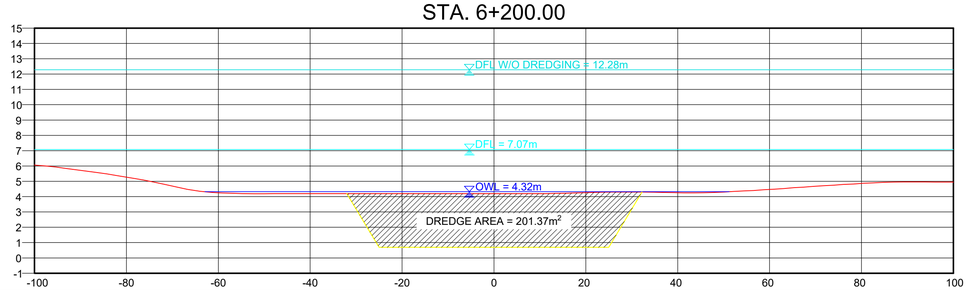
ELEVATION	6.46	6.40	6.15	5.73	5.24	4.54	4.29	4.29	4.29	4.29	4.27	4.23	4.27	4.36	4.47	4.58	4.69	4.80	4.91	4.99	5.02
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+050.00



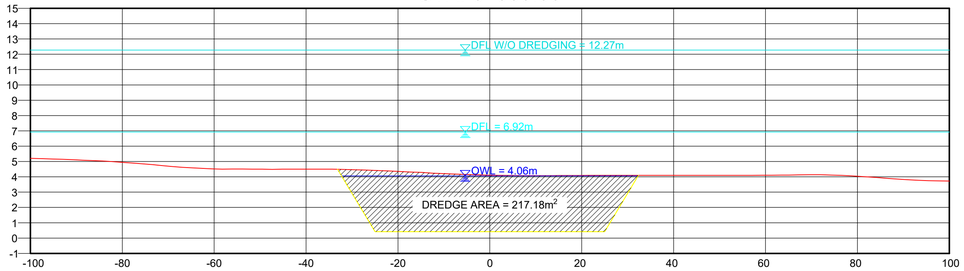
ELEVATION	5.78	5.79	5.72	4.58	5.43	5.24	4.94	4.52	4.15	4.08	4.09	4.11	4.09	4.09	4.09	4.09	4.09	4.11	4.13	4.08
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+200.00



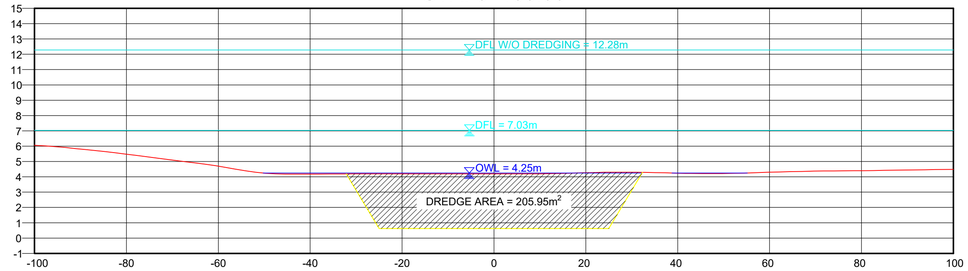
ELEVATION	6.06	5.72	5.28	4.69	4.25	4.19	4.20	4.20	4.20	4.20	4.20	4.20	4.26	4.29	4.25	4.30	4.47	4.67	4.86	4.96	4.94
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+000.00



ELEVATION	5.20	5.10	4.94	4.70	4.52	4.50	4.50	4.47	4.35	4.21	4.10	4.07	4.09	4.09	4.09	4.09	4.11	4.14	4.04	3.83	3.71
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+150.00



ELEVATION	6.06	5.81	5.47	5.10	4.70	4.24	4.18	4.20	4.20	4.20	4.20	4.20	4.27	4.29	4.24	4.21	4.29	4.36	4.40	4.45	4.50
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 6+000 ~ STA. 6+250

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

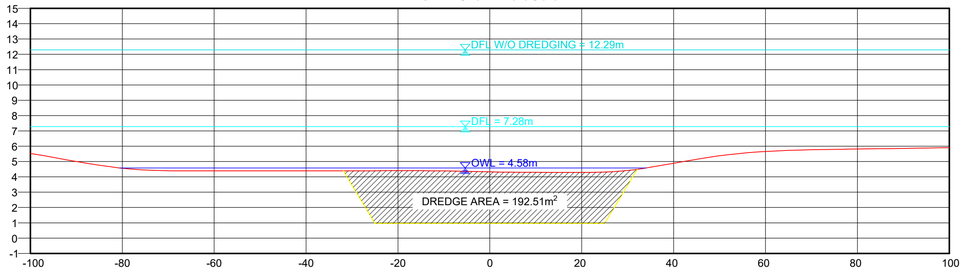
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OWNER/PROPONENT

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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-529
REYNALDO V. LABORTE JR. - OWNER/MANAGER

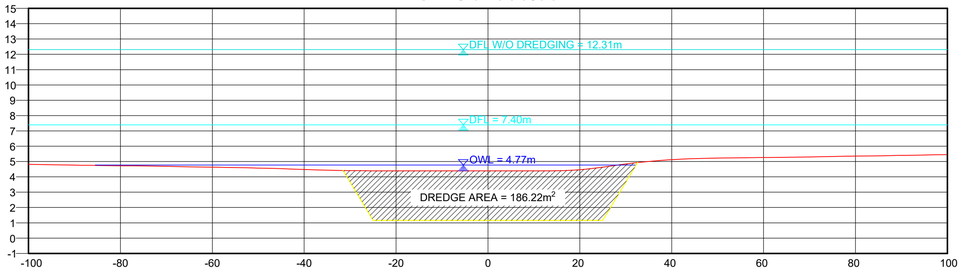
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 6+000 - STA. 6+250	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 15 | 27	27 39

STA. 6+400.00



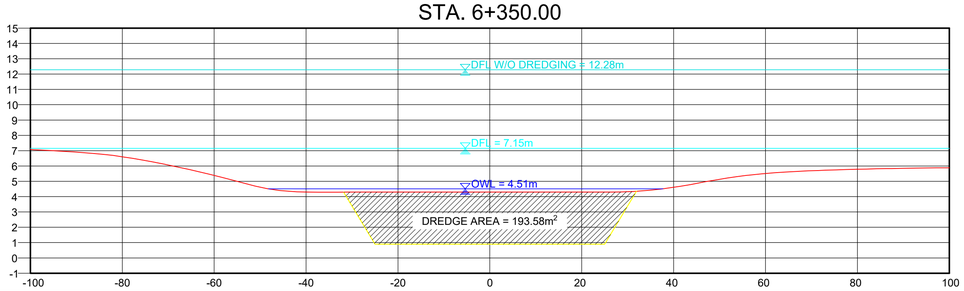
ELEVATION	5.53	5.00	4.56	4.39	4.39	4.39	4.39	4.39	4.41	4.39	4.33	4.29	4.29	4.42	4.89	5.37	5.65	5.77	5.82	5.86	5.90
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+550.00



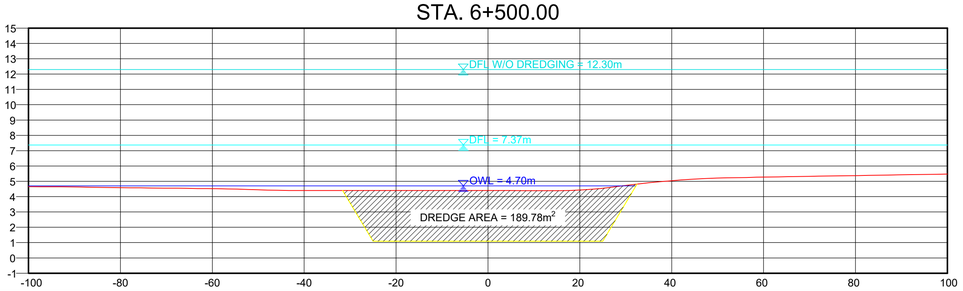
ELEVATION	4.84	4.77	4.72	4.69	4.63	4.57	4.48	4.41	4.39	4.39	4.39	4.39	4.47	4.84	5.13	5.23	5.26	5.29	5.35	5.40	5.46
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+350.00



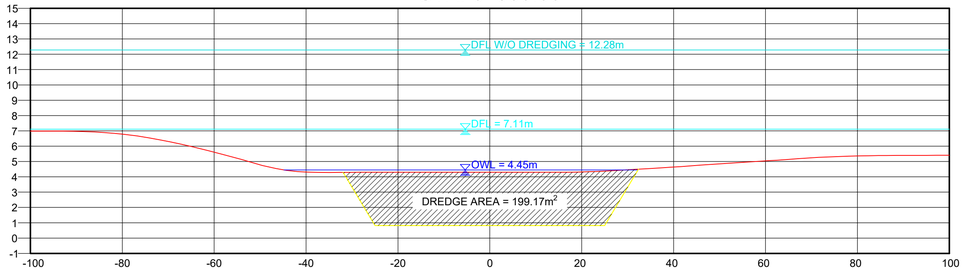
ELEVATION	7.08	6.90	6.60	6.06	5.38	4.62	4.30	4.29	4.29	4.29	4.29	4.29	4.29	4.32	4.60	5.12	5.50	5.69	5.79	5.85	5.88
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+500.00



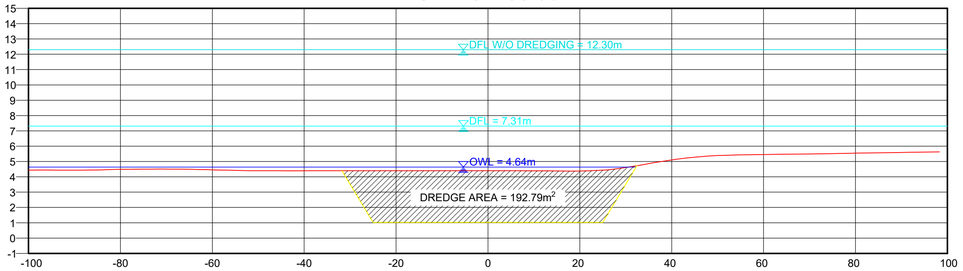
ELEVATION	4.66	4.63	4.58	4.55	4.52	4.45	4.40	4.40	4.40	4.40	4.40	4.39	4.44	4.73	5.04	5.20	5.27	5.32	5.37	5.43	5.47
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+300.00



ELEVATION	6.99	6.97	6.78	6.30	5.61	4.78	4.31	4.29	4.29	4.29	4.29	4.29	4.32	4.46	4.64	4.85	5.03	5.24	5.36	5.40	5.40
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+450.00



ELEVATION	4.44	4.44	4.48	4.50	4.46	4.40	4.40	4.40	4.40	4.40	4.40	4.39	4.38	4.60	5.10	5.39	5.46	5.50	5.55	5.55	5.64
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 6+300 ~ STA. 6+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

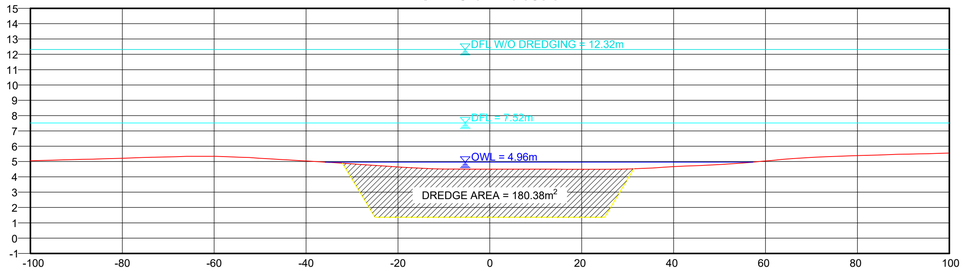
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-529
REYNALDO V. LABORTE JR. OWNER/MANAGER

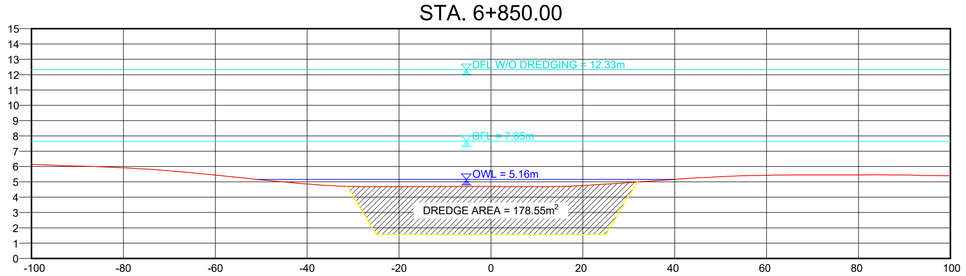
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 6+300 - STA. 6+550	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 16 | 27	28 39

STA. 6+700.00



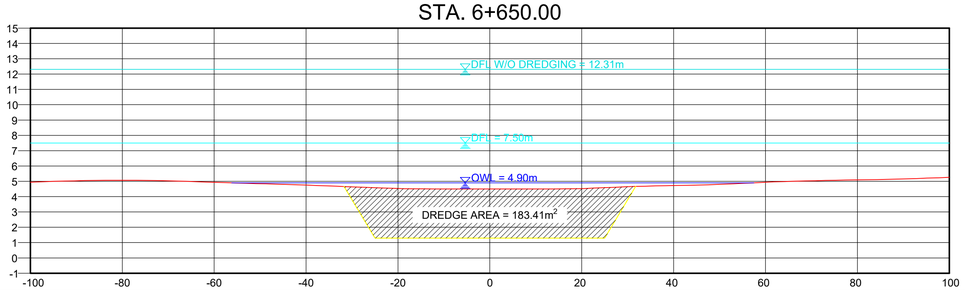
ELEVATION	5.05	5.13	5.22	5.31	5.33	5.21	5.04	5.85	4.64	4.51	4.50	4.50	4.49	4.51	4.67	4.80	5.04	5.27	5.39	5.48	5.55
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+850.00



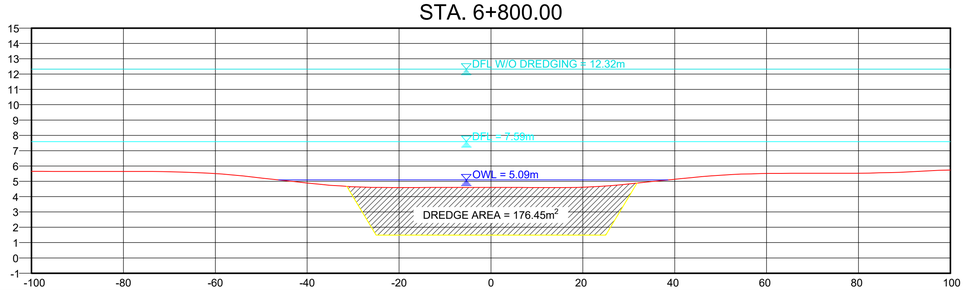
ELEVATION	6.15	6.03	5.92	5.72	5.44	5.15	4.86	4.70	4.69	4.70	4.70	4.69	4.76	4.95	5.17	5.34	5.43	5.45	5.45	5.45	5.40
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+650.00



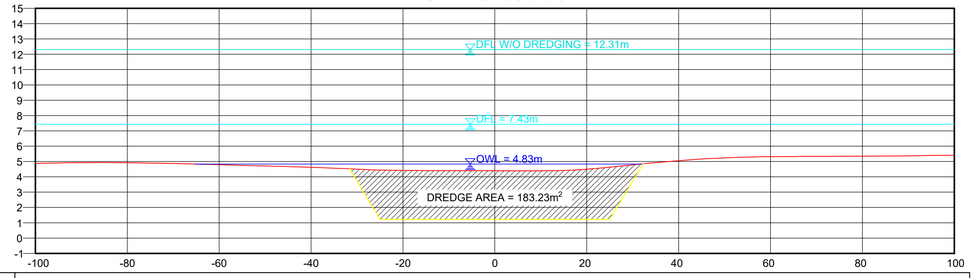
ELEVATION	4.94	5.03	5.07	5.03	4.94	4.85	4.75	4.65	4.53	4.50	4.50	4.50	4.53	4.65	4.72	4.80	4.94	5.04	5.09	5.15	5.26
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+800.00



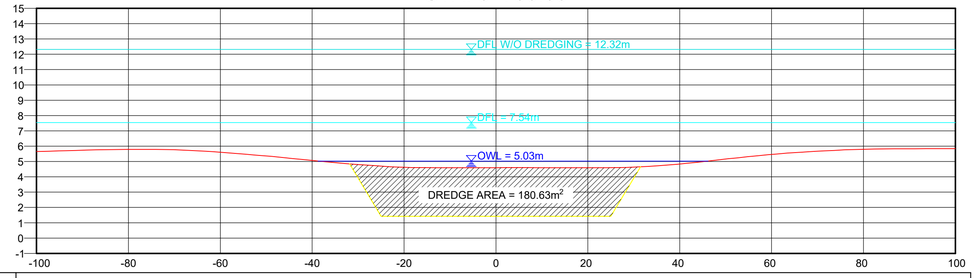
ELEVATION	5.65	5.64	5.64	5.62	5.50	5.21	4.88	4.64	4.59	4.60	4.60	4.59	4.62	4.83	5.14	5.40	5.51	5.53	5.53	5.60	5.75
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+600.00



ELEVATION	4.88	4.92	4.92	4.87	4.79	4.71	4.62	4.49	4.41	4.40	4.40	4.39	4.50	4.79	5.05	5.24	5.32	5.34	5.34	5.37	5.43
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 6+750.00



ELEVATION	5.65	5.74	5.79	5.77	5.60	5.36	5.07	4.80	4.62	4.59	4.59	4.60	4.60	4.63	4.83	5.15	5.46	5.67	5.79	5.83	5.84
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 6+600 ~ STA. 6+850

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

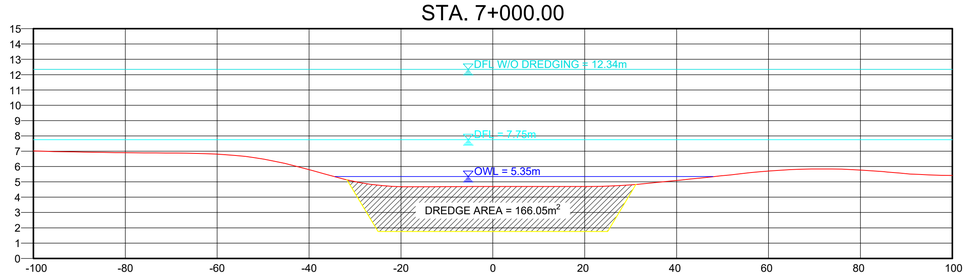
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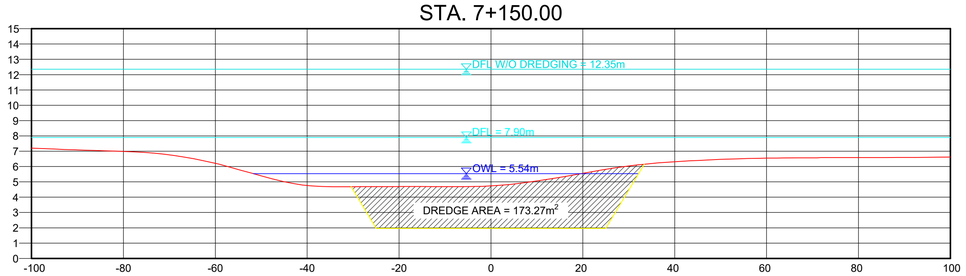
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 6+600 - STA. 6+850	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 17 | 27	29 39

STA. 7+000.00



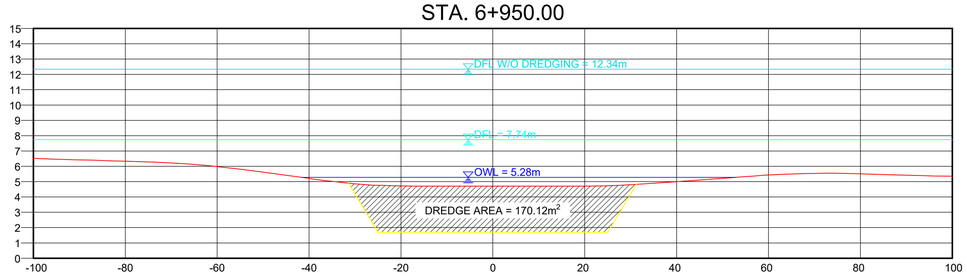
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	7.02	6.95	6.91	6.88	6.81	6.49	5.80	5.02	4.68	4.67	4.70	4.70	4.70	4.81	5.09	5.40	5.71	5.84	5.77	5.54	5.42

STA. 7+150.00



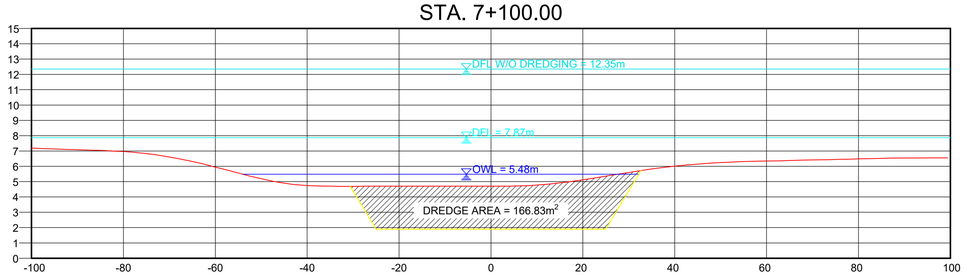
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	7.21	7.08	6.98	6.76	6.21	5.39	4.77	4.68	4.70	4.69	4.74	5.06	5.55	6.03	6.31	6.47	6.55	6.57	6.58	6.59	6.62

STA. 6+950.00



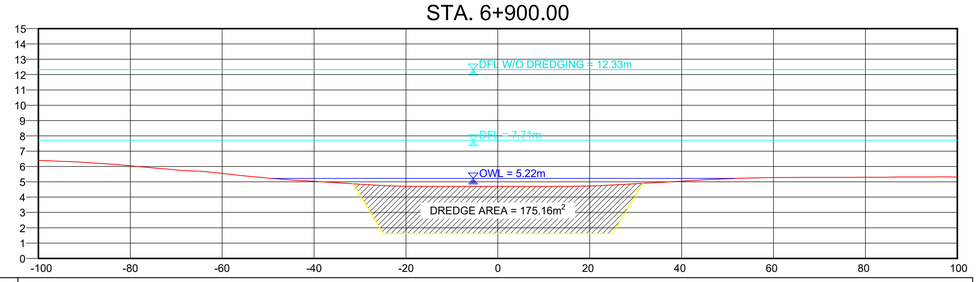
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	6.52	6.42	6.33	6.21	5.98	5.61	5.21	4.86	4.72	4.70	4.70	4.70	4.70	4.80	5.00	5.21	5.43	5.43	5.51	5.42	5.34

STA. 7+100.00



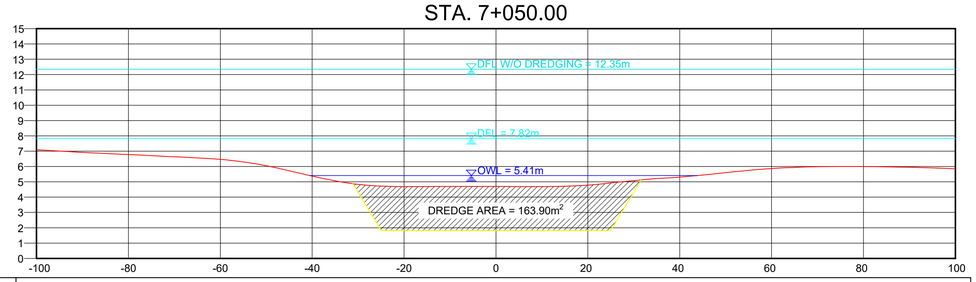
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	7.19	7.08	6.96	6.61	5.95	5.19	4.75	4.69	4.70	4.70	4.70	4.77	5.12	5.60	6.01	6.24	6.35	6.41	6.49	6.54	6.55

STA. 6+900.00



DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	6.40	6.27	6.05	5.77	5.55	5.24	5.33	4.84	4.71	4.70	4.70	4.70	4.73	4.87	5.04	5.19	5.28	5.29	5.30	5.31	5.31

STA. 7+050.00



DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
ELEVATION	7.08	6.92	6.78	6.63	6.46	6.05	5.37	4.84	4.69	4.70	4.70	4.69	4.79	5.08	5.30	5.60	5.87	5.98	5.99	5.95	5.85

CROSS-SECTION
STA. 6+900 ~ STA. 7+150

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

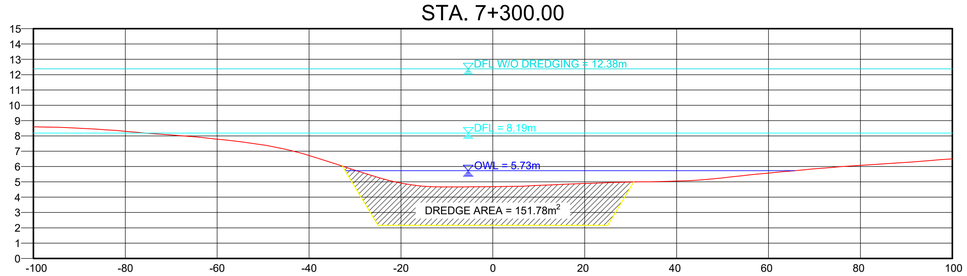
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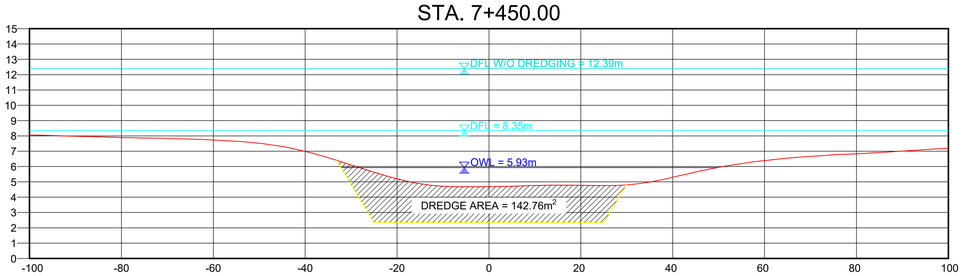
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 6+900 - STA. 7+150	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 18 | 27	30 39

STA. 7+300.00



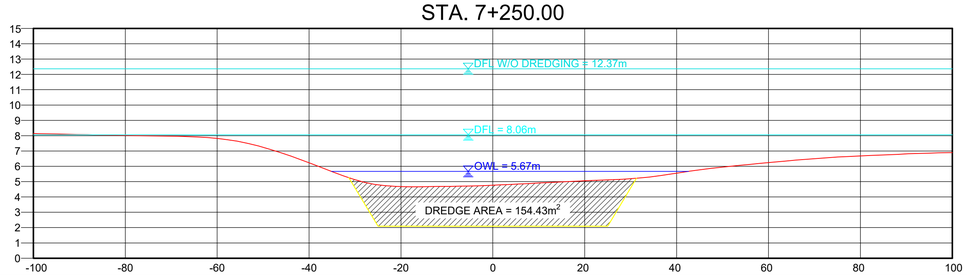
ELEVATION	8.59	8.50	8.30	8.06	7.78	7.40	6.72	5.76	4.92	4.67	4.69	4.77	4.89	4.98	5.05	5.26	5.57	5.85	6.07	6.27	6.50
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+450.00



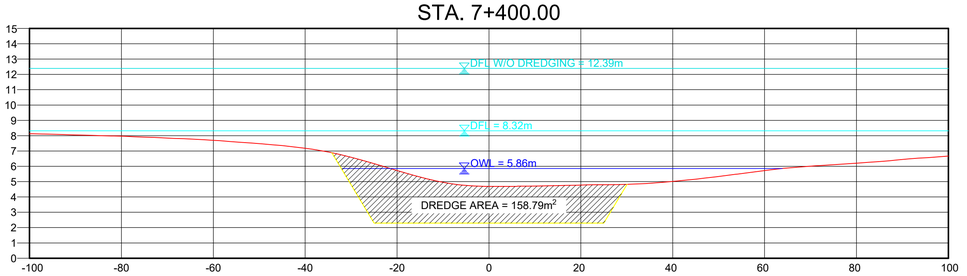
ELEVATION	8.07	7.98	7.89	7.83	7.73	7.52	6.99	6.10	5.21	4.72	4.68	4.76	4.77	4.79	5.30	5.94	6.39	6.67	6.83	7.01	7.20
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+250.00



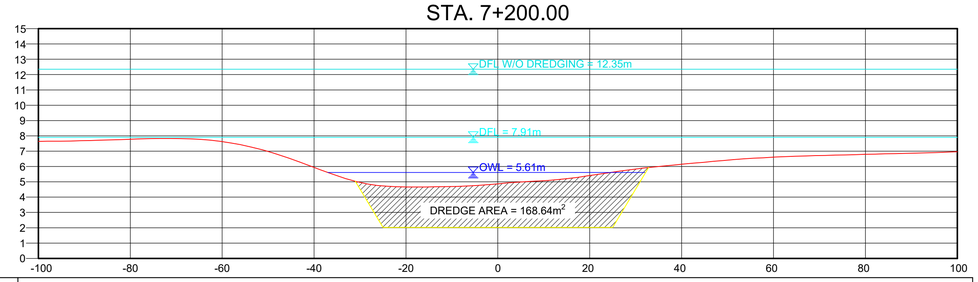
ELEVATION	8.14	8.07	8.01	7.96	7.82	7.24	6.23	5.14	4.68	4.69	4.76	4.91	5.06	5.19	5.55	5.95	6.24	6.50	6.68	6.81	6.91
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+400.00



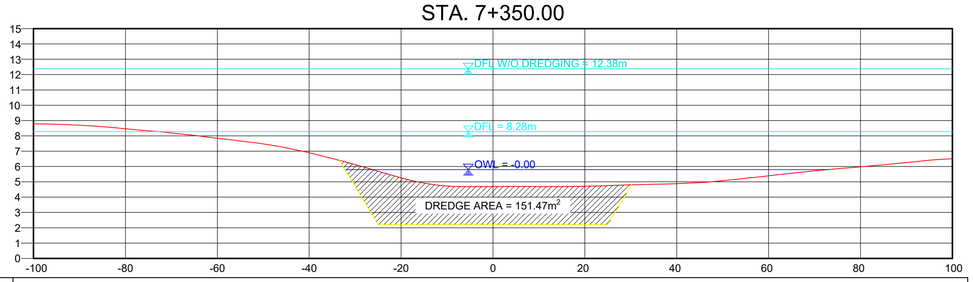
ELEVATION	8.13	8.05	7.96	7.84	7.69	7.47	7.18	6.59	5.73	4.96	4.69	4.71	4.77	4.82	5.01	5.33	5.72	6.00	6.20	6.44	6.67
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+200.00



ELEVATION	7.64	7.68	7.78	7.83	7.62	6.98	5.94	4.98	4.67	4.70	4.87	5.07	5.41	5.83	6.15	6.42	6.62	6.71	6.79	6.87	6.96
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+350.00



ELEVATION	8.78	8.70	8.47	8.19	7.84	7.47	6.90	6.13	5.26	4.73	4.69	4.69	4.71	4.80	4.88	5.07	5.39	5.72	5.98	6.26	6.53
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 7+200 ~ STA. 7+450

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

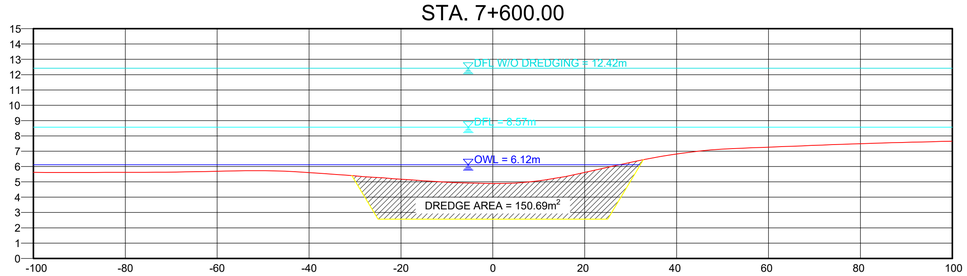
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-529
REYNALDO V. LABORTE JR. OWNER/MANAGER

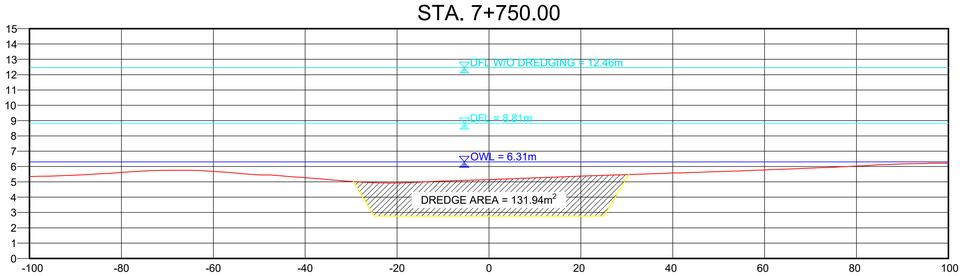
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 7+200 - STA. 7+450	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 19 | 27	31 39

STA. 7+600.00



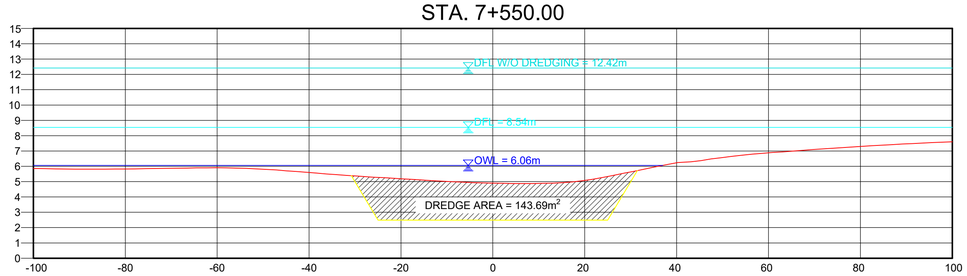
ELEVATION	5.62	5.61	5.62	5.64	5.69	5.73	5.60	5.39	5.17	4.98	4.89	5.07	5.62	6.27	6.82	7.14	7.27	7.38	7.49	7.58	7.65
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+750.00



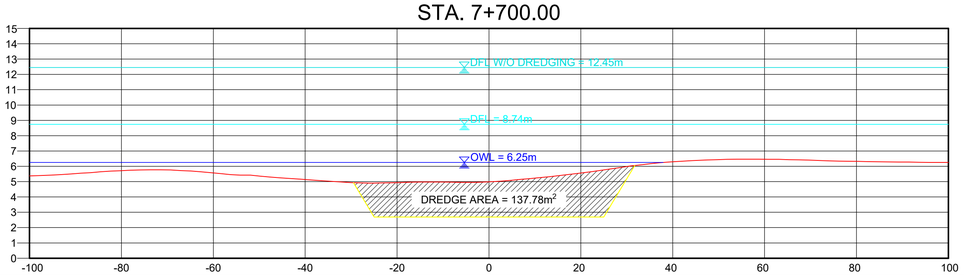
ELEVATION	5.35	5.34	5.62	5.76	5.69	5.45	5.27	5.03	4.92	5.05	5.15	5.26	5.38	5.47	5.58	5.67	5.79	5.89	6.03	6.17	6.22
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+550.00



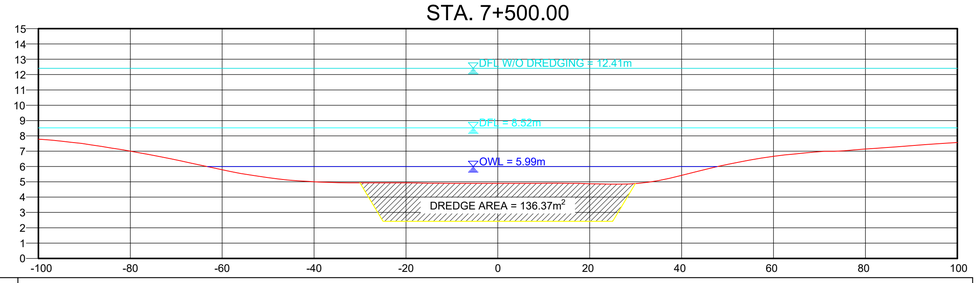
ELEVATION	5.85	5.82	5.82	5.87	5.90	5.82	5.60	5.37	5.18	5.01	4.90	4.89	5.08	5.63	6.21	6.58	6.88	7.10	7.30	7.46	7.60
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+700.00



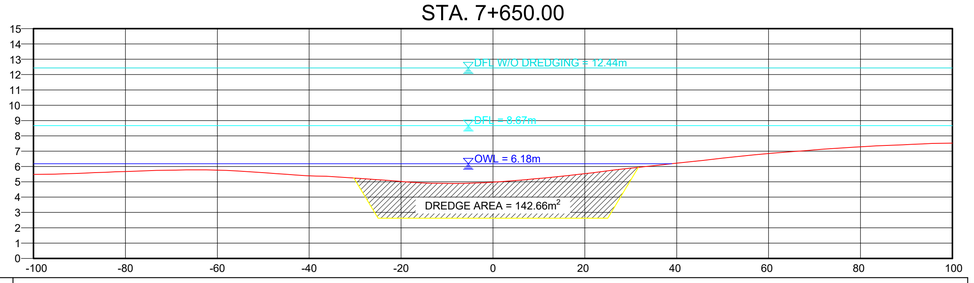
ELEVATION	5.38	5.52	5.72	5.76	5.57	5.37	5.14	4.94	4.93	4.97	4.98	5.24	5.56	5.98	6.29	6.44	6.46	6.40	6.32	6.27	6.25
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+500.00



ELEVATION	7.78	7.47	7.00	6.43	5.79	5.27	4.99	4.93	4.93	4.90	4.90	4.91	4.88	4.96	5.42	6.14	6.66	6.96	7.14	7.36	7.57
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+650.00



ELEVATION	5.48	5.56	5.67	5.77	5.76	5.60	5.38	5.24	5.03	4.89	4.96	5.22	5.53	5.89	6.21	6.55	6.85	7.09	7.25	7.43	7.54
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 7+500 ~ STA. 7+750

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

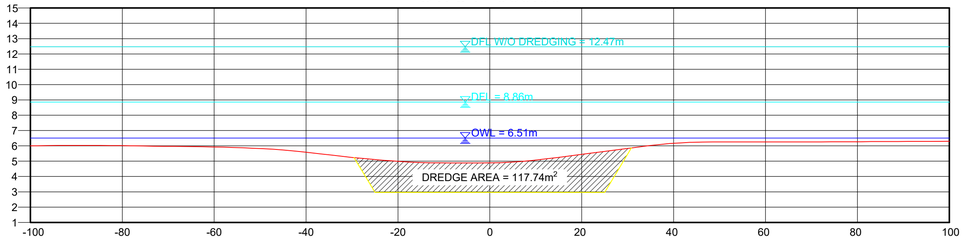
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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-529
REYNALDO V. LABORTE JR. - OWNER/MANAGER

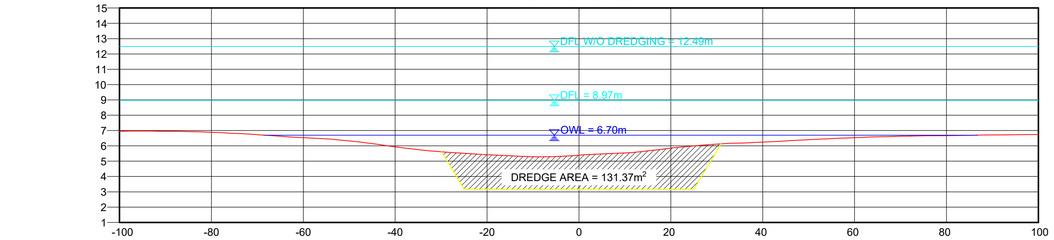
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
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STA. 7+900.00



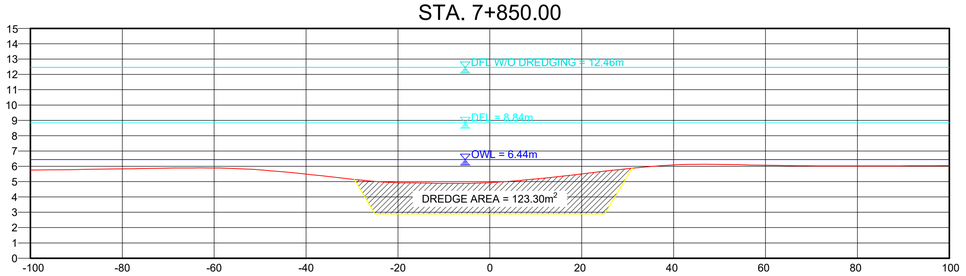
ELEVATION	6.00	6.02	6.01	5.97	5.92	5.82	5.59	5.25	4.99	4.89	4.89	5.07	5.44	5.83	6.16	6.26	6.26	6.26	6.27	6.28	6.29
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+050.00



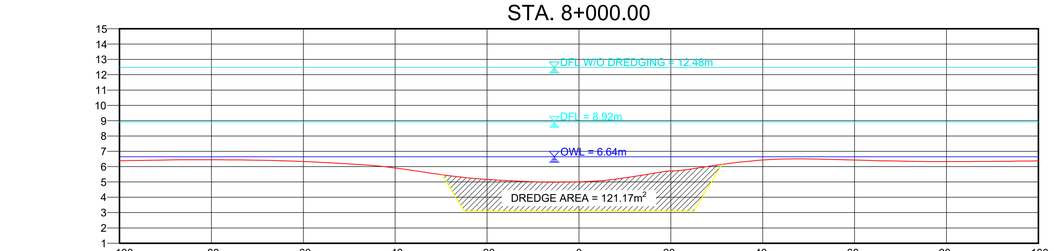
ELEVATION	6.95	6.96	6.89	6.73	6.53	6.33	5.93	5.62	5.43	5.30	5.38	5.53	5.86	6.12	6.24	6.40	6.53	6.63	6.67	6.71	6.74
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+850.00



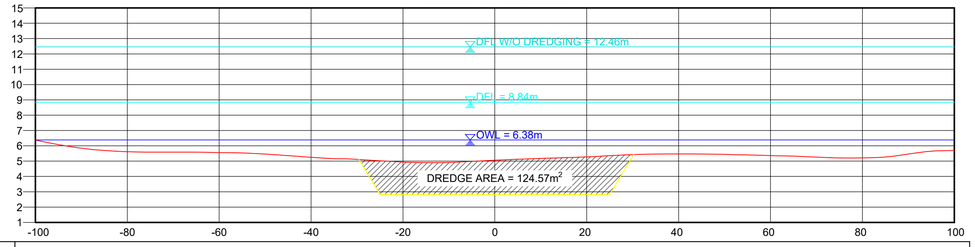
ELEVATION	5.75	5.79	5.83	5.87	5.89	5.77	5.49	5.16	4.92	4.89	4.93	5.18	5.51	5.84	6.09	6.13	6.07	6.03	6.03	6.03	6.00
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+000.00



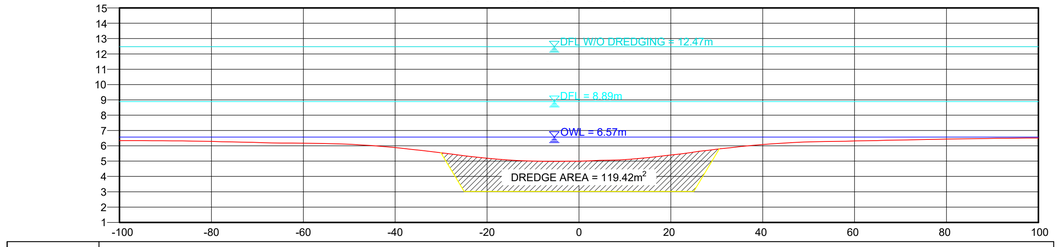
ELEVATION	6.39	6.43	6.45	6.42	6.33	6.18	5.91	5.47	5.17	5.00	5.01	5.26	5.72	6.09	6.44	6.50	6.42	6.35	6.33	6.34	6.37
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+800.00



ELEVATION	6.37	5.84	5.61	5.59	5.57	5.46	5.25	5.12	4.94	4.92	5.06	5.18	5.28	5.42	5.47	5.44	5.37	5.26	5.22	5.46	5.69
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 7+950.00



ELEVATION	6.43	6.42	6.39	6.31	6.27	6.20	5.99	5.64	5.29	5.10	5.10	5.20	5.49	5.88	6.18	6.35	6.41	6.48	6.54	6.58	6.61
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 7+800 ~ STA. 8+050

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

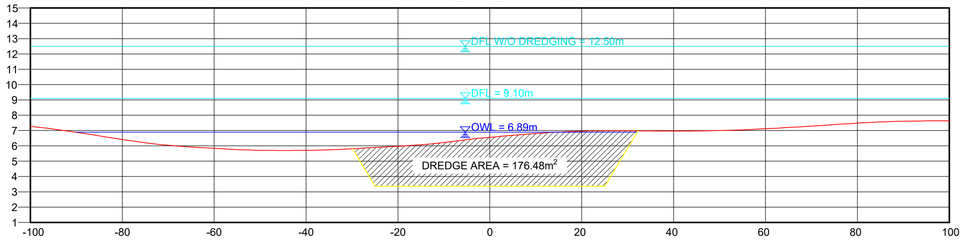
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-320
REYNALDO V. LABORTE JR. OWNER/MANAGER

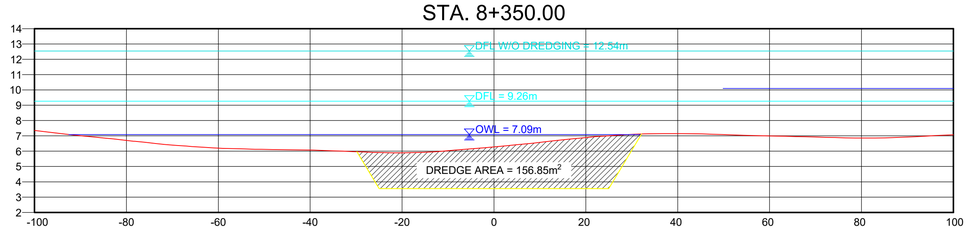
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 7+800 - STA. 8+050	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 21 | 27	33 39

STA. 8+200.00



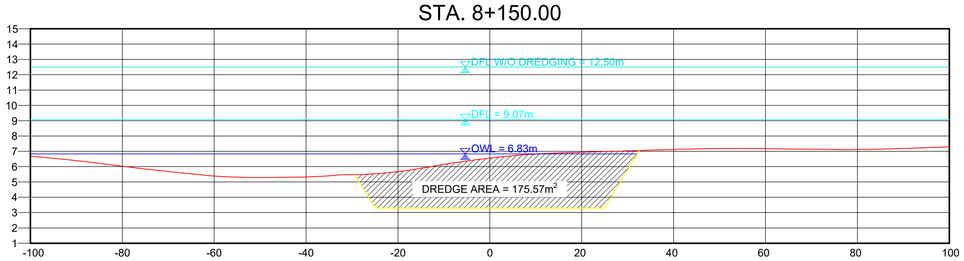
ELEVATION	7.27	6.88	6.42	6.04	5.84	5.71	5.71	5.81	5.97	6.22	6.55	6.80	6.69	6.98	6.97	7.00	7.12	7.29	7.48	7.61	7.62
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+350.00



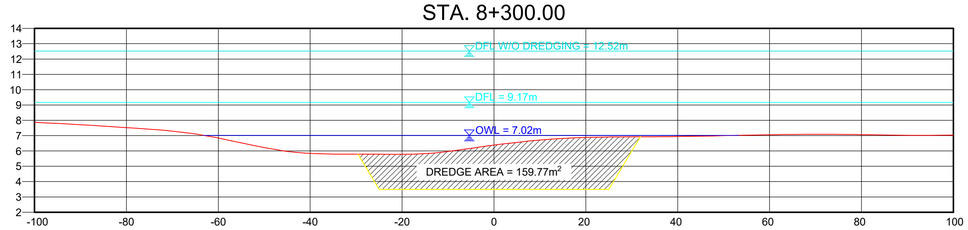
ELEVATION	7.36	7.01	6.71	6.40	6.20	6.11	6.07	5.97	5.90	6.02	6.28	6.57	6.89	7.09	7.14	7.08	6.99	6.93	6.86	6.92	7.10
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+150.00



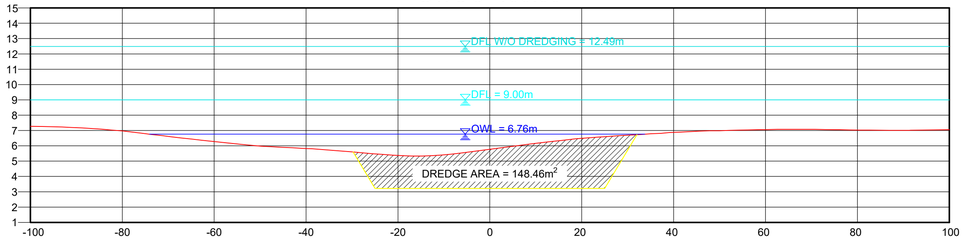
ELEVATION	6.68	6.40	6.02	5.68	5.40	5.29	5.33	5.47	5.67	6.14	6.56	6.82	6.94	7.03	7.12	7.18	7.17	7.14	7.13	7.18	7.27
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+300.00



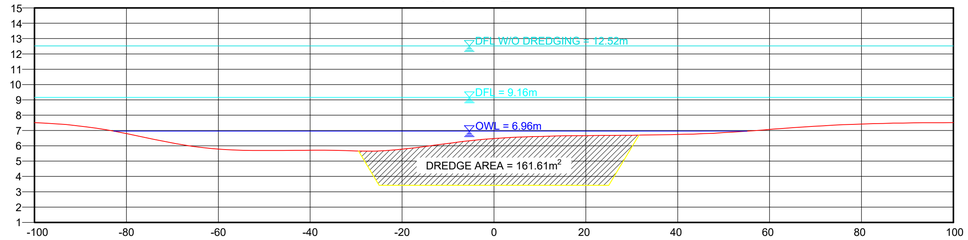
ELEVATION	7.87	7.71	7.52	7.30	6.84	6.24	5.83	5.79	5.78	5.97	6.38	6.71	6.88	6.92	6.94	6.99	7.06	7.08	7.06	7.02	7.04
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+100.00



ELEVATION	7.27	7.19	6.97	6.62	6.27	5.99	5.82	5.60	5.37	5.41	5.78	6.17	6.49	6.69	6.87	6.99	7.06	7.07	7.04	7.01	7.06
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+250.00



ELEVATION	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	0.00	0.00
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 8+100 ~ STA. 8+350

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

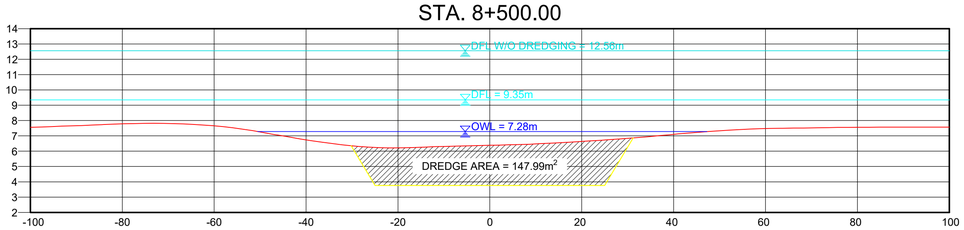
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-125
REYNALDO V. LABORTE JR. OWNER/MANAGER

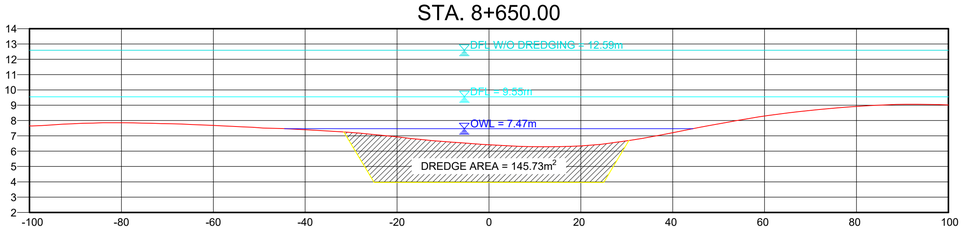
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 8+100 - STA. 8+350	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 22 | 27	34 39

STA. 8+500.00



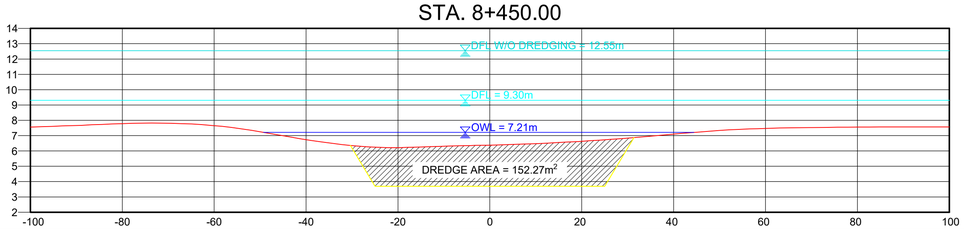
ELEVATION	7.56	7.66	7.79	7.81	7.65	7.25	6.73	6.35	6.21	6.31	6.38	6.48	6.63	6.84	7.06	7.33	7.47	7.53	7.56	7.57	7.57
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+650.00



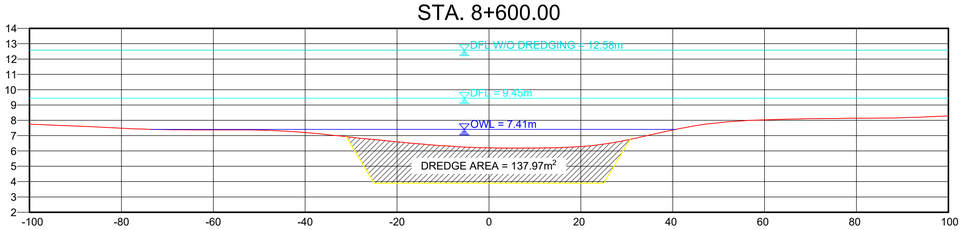
ELEVATION	7.66	7.80	7.50	7.80	7.68	7.53	7.40	7.22	6.92	6.63	6.42	6.29	6.35	6.68	7.21	7.79	8.29	8.67	8.93	9.05	9.02
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+450.00



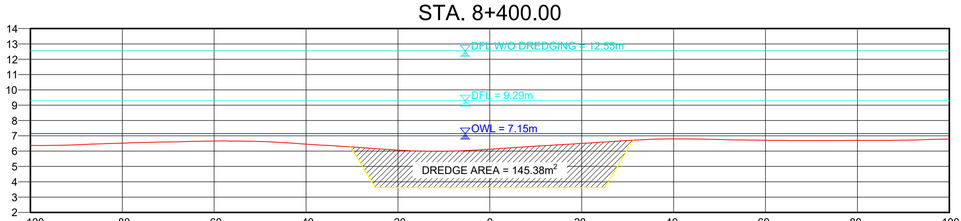
ELEVATION	7.56	7.66	7.79	7.81	7.65	7.25	6.73	6.35	6.21	6.31	6.39	6.48	6.63	6.84	7.09	7.34	7.47	7.53	7.56	7.57	7.57
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+600.00



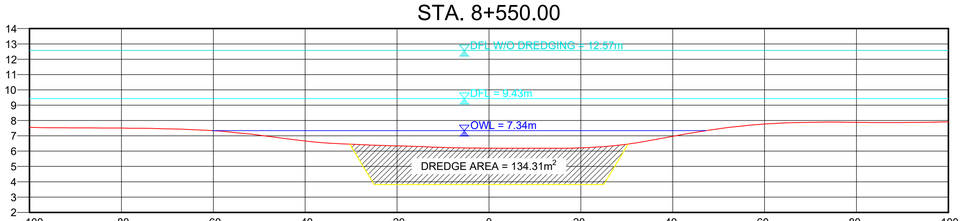
ELEVATION	7.75	7.62	7.49	7.39	7.37	7.36	7.20	6.90	6.60	6.34	6.20	6.19	6.29	6.70	7.36	7.84	8.03	8.10	8.13	8.16	8.31
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+400.00



ELEVATION	6.37	6.42	6.53	6.60	6.60	6.63	6.46	6.28	6.07	6.00	6.13	6.33	6.50	6.70	6.80	6.76	6.71	6.69	6.70	6.72	6.78
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+550.00



ELEVATION	7.55	7.51	7.51	7.46	7.33	7.04	6.66	6.45	6.35	6.25	6.19	6.19	6.22	6.45	6.96	7.46	7.77	7.88	7.88	7.87	7.90
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 8+400 ~ STA. 8+650

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

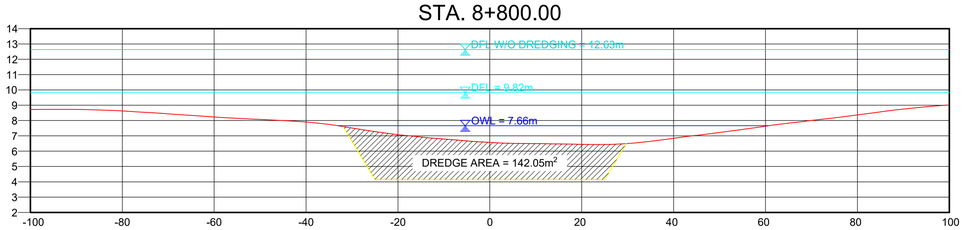
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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-125
REYNALDO V. LABORTE JR. OWNER/MANAGER

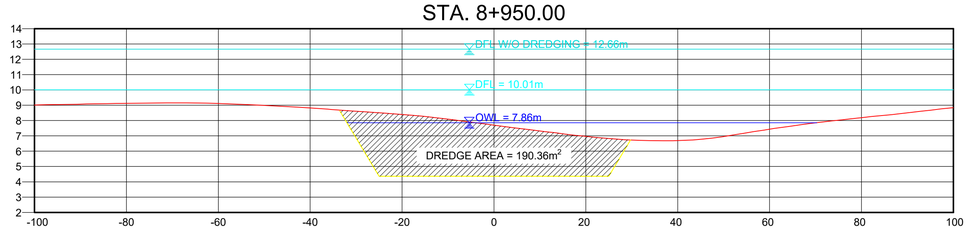
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 8+400 - STA. 8+650	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 23 | 27	35 39

STA. 8+800.00



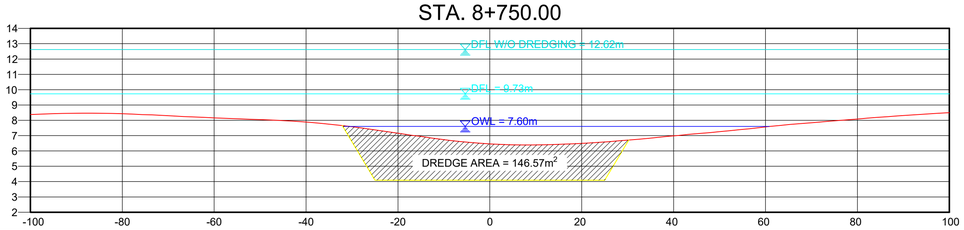
ELEVATION	8.72	8.73	8.62	8.44	8.23	8.07	7.90	7.52	7.08	6.79	6.57	6.49	6.44	6.51	6.84	7.22	7.63	8.00	8.37	8.75	8.99
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+950.00



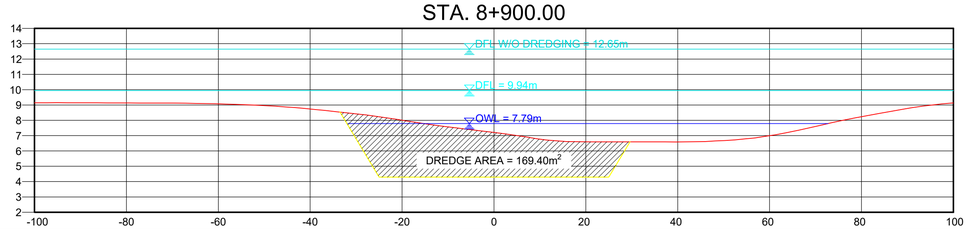
ELEVATION	9.01	9.07	9.12	9.15	9.11	8.99	8.82	8.61	8.40	8.09	7.70	7.32	6.96	6.72	6.68	6.95	7.44	7.85	8.18	8.50	8.82
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+750.00



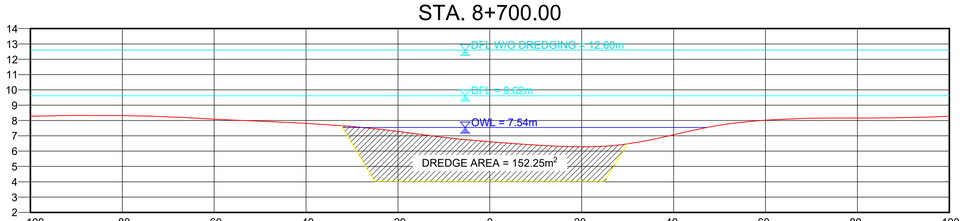
ELEVATION	8.38	8.46	8.42	8.30	8.16	8.04	7.89	7.57	7.16	6.74	6.46	6.40	6.50	6.70	6.99	7.26	7.57	7.85	8.09	8.31	8.49
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+900.00



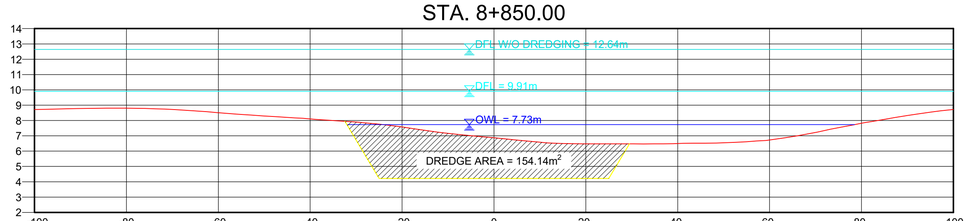
ELEVATION	9.15	9.15	9.14	9.12	9.08	8.96	8.73	8.42	8.01	7.57	7.22	6.77	6.60	6.60	6.59	6.68	6.97	7.60	8.24	8.77	9.10
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+700.00



ELEVATION	8.27	8.33	8.32	8.24	8.09	7.95	7.81	7.61	7.28	6.90	6.61	6.89	6.29	6.48	7.07	7.69	8.02	8.14	8.16	8.19	8.27
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 8+850.00



ELEVATION	8.74	8.80	8.83	8.74	8.53	8.32	8.12	7.94	7.60	7.18	6.89	6.60	6.50	6.50	6.52	6.57	6.76	7.24	7.84	8.35	8.74
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 8+700 ~ STA. 8+950

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

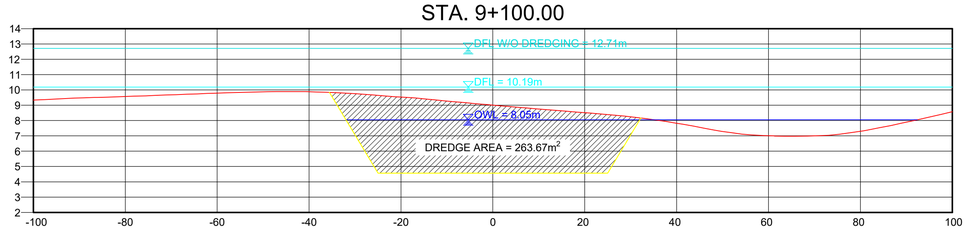
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
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Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No.(042) 710-1125
REYNALDO V. LABORTE JR. - OWNER/MANAGER

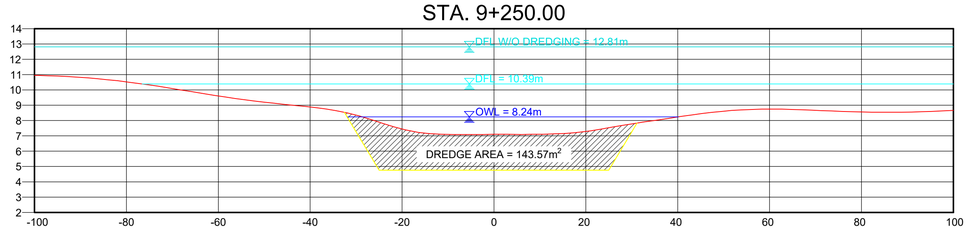
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 8+700 - STA. 8+950	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 24 27	36 39

STA. 9+100.00



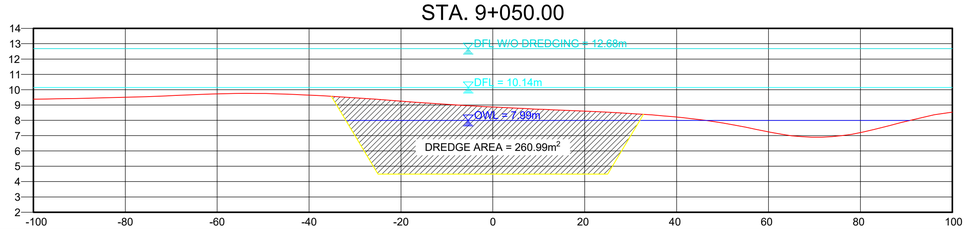
ELEVATION	9.33	9.47	9.57	9.68	9.79	9.88	9.88	9.76	9.53	9.28	9.01	8.76	8.52	8.25	7.83	7.25	7.01	6.99	7.31	7.90	8.48
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+250.00



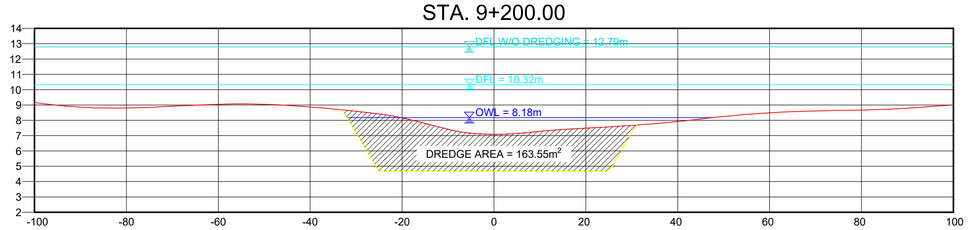
ELEVATION	10.95	10.82	10.53	10.09	9.60	9.20	8.89	8.36	7.44	7.09	7.10	7.10	7.28	7.78	8.23	8.61	8.74	8.67	8.56	8.55	8.65
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+050.00



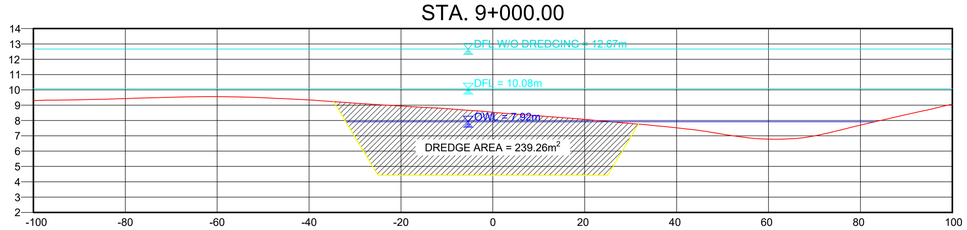
ELEVATION	9.38	9.43	9.51	9.61	9.72	9.75	9.64	9.47	9.25	9.05	8.86	8.73	8.60	8.44	8.22	7.83	7.24	6.90	7.19	7.93	8.53
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+200.00



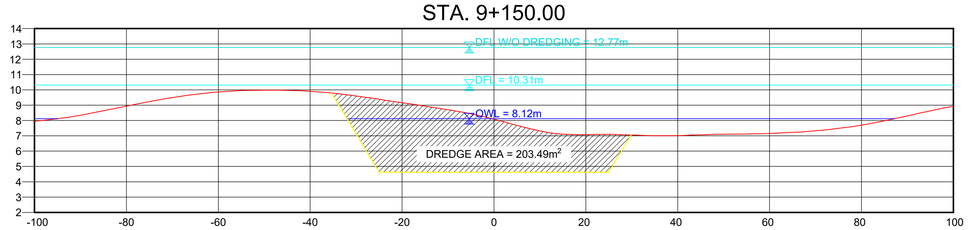
ELEVATION	9.17	8.86	8.80	8.92	9.04	9.05	8.87	8.59	8.16	7.41	7.08	7.28	7.49	7.66	7.93	8.25	8.49	8.61	8.67	8.80	9.04
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+000.00



ELEVATION	9.30	9.35	9.42	9.51	9.56	9.49	9.34	9.13	8.95	8.77	8.54	8.31	8.07	7.80	7.53	7.11	6.77	6.99	7.70	8.38	9.01
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+150.00



ELEVATION	7.96	8.34	8.94	9.50	9.86	9.98	9.90	9.60	9.16	8.71	8.09	7.31	7.08	7.05	7.01	7.11	7.16	7.32	7.70	8.30	8.86
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 9+000 ~ STA. 9+250

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

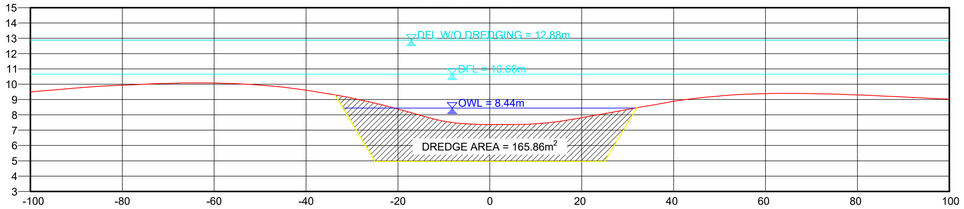
THE DESIGNER/PROPONENT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITY DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT HIS/THEIR CONFIRMITY.

REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitia St. Iyum, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-525
REYNALDO V. LABORTE JR. OWNER/MANAGER

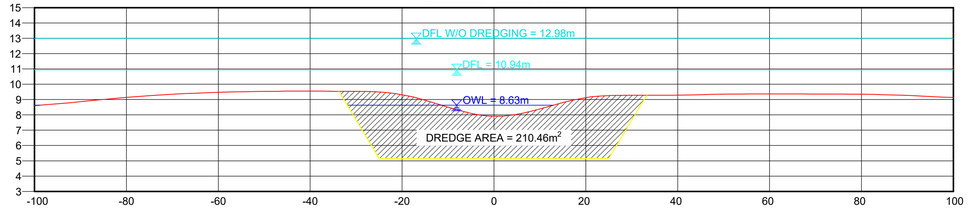
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 9+000 - STA. 9+250	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 25 27	37 39

STA. 9+400.00



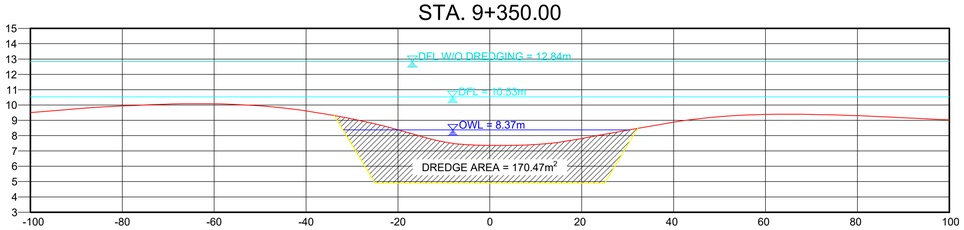
ELEVATION	9.50	9.75	9.94	10.06	10.08	9.94	9.61	9.09	8.38	7.59	7.36	7.42	7.82	8.36	8.87	9.23	9.39	9.38	9.31	9.17	9.04
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+550.00



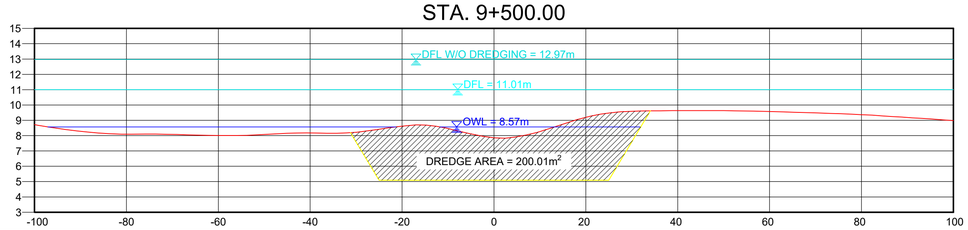
ELEVATION	8.59	8.86	9.14	9.34	9.47	9.53	9.55	9.53	9.31	8.50	7.91	8.38	9.12	9.28	9.29	9.35	9.37	9.35	9.34	9.27	9.13
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+350.00



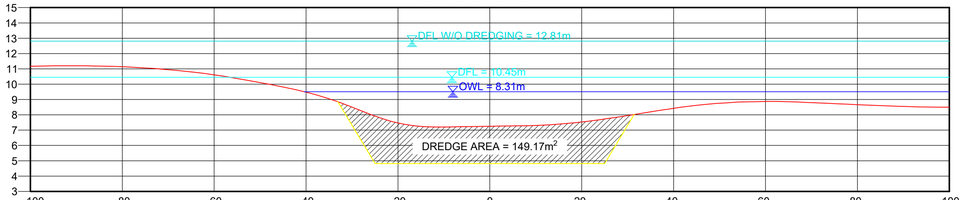
ELEVATION	10.50	10.75	10.94	11.06	11.08	10.94	10.61	10.09	9.38	8.59	8.36	8.42	8.82	9.36	9.87	10.23	10.39	10.38	10.31	10.17	10.04
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+500.00



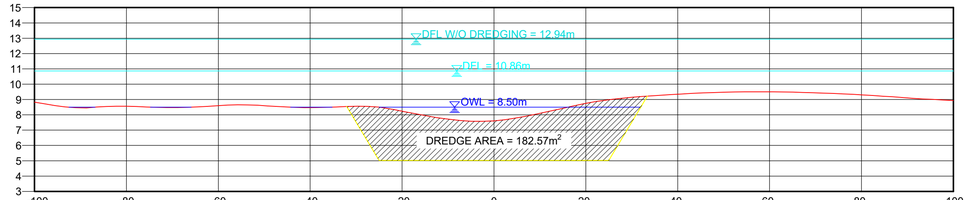
ELEVATION	8.72	8.28	8.10	8.08	8.01	8.07	8.18	8.23	8.61	8.46	7.86	8.28	9.20	9.59	9.63	9.63	9.57	9.49	9.36	9.19	8.99
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+300.00



ELEVATION	11.17	11.20	11.14	10.95	10.61	10.10	9.48	8.51	7.47	7.20	7.25	7.30	7.54	7.95	8.43	8.75	8.87	8.79	8.66	8.55	8.50
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+450.00



ELEVATION	8.82	8.46	8.56	8.48	8.59	8.59	8.47	8.55	8.24	7.72	7.61	8.10	8.75	9.14	9.34	9.48	9.50	9.43	9.31	9.10	8.94
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 9+300 ~ STA. 9+550

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

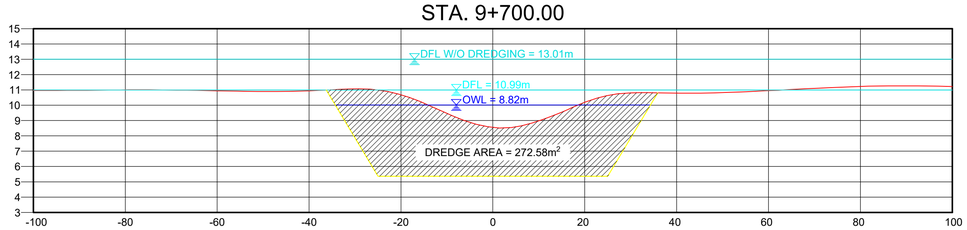
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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
TIN No.202-270-125
REYNALDO V. LABORTE JR. OWNER/MANAGER

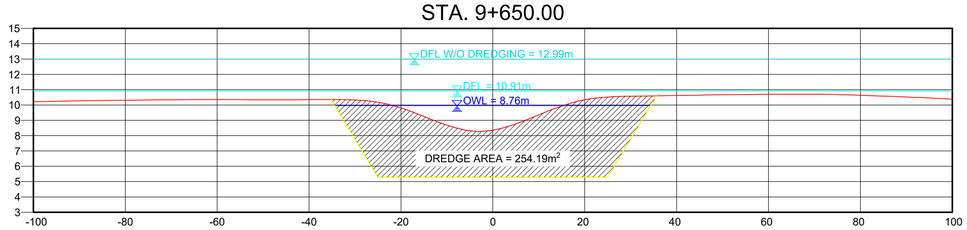
PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
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STA. 9+700.00



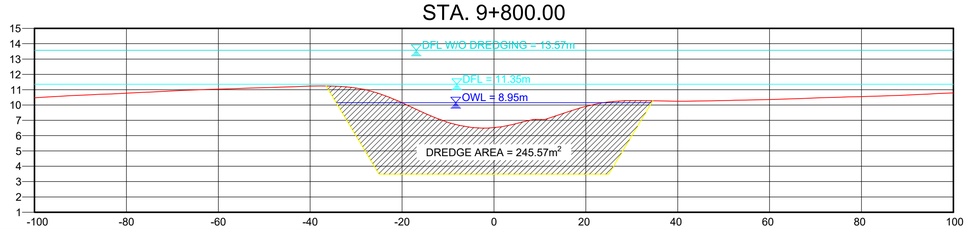
ELEVATION	10.96	10.98	10.99	10.99	10.94	10.90	10.94	11.07	10.69	9.46	8.56	8.97	10.19	10.80	10.79	10.82	10.95	10.11	11.22	11.26	11.23
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+650.00



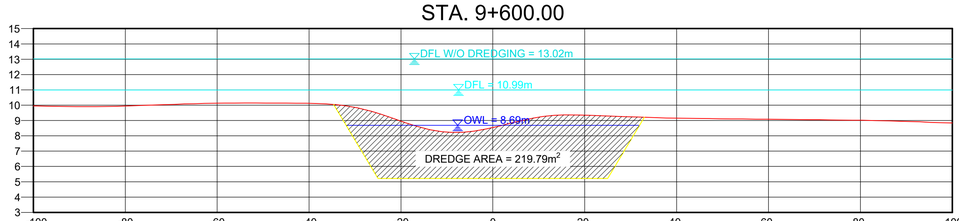
ELEVATION	10.21	10.27	10.31	10.34	10.35	10.34	10.34	10.33	9.81	8.68	8.36	8.36	10.34	10.57	10.61	10.67	10.70	10.70	10.63	10.52	10.40
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+800.00



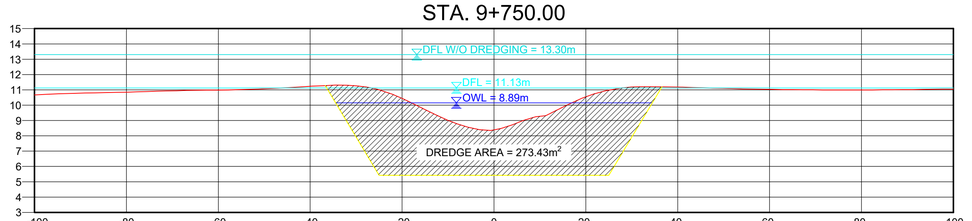
ELEVATION	10.47	10.79	10.77	10.92	11.04	11.13	11.22	11.10	10.05	8.87	8.52	9.05	9.91	10.29	10.25	10.29	10.35	10.45	10.55	10.65	10.79
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+600.00



ELEVATION	9.95	9.90	9.95	10.08	10.13	10.14	10.12	9.85	8.95	8.24	8.54	9.22	9.34	9.24	9.15	9.11	9.08	9.05	9.02	8.94	8.84
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

STA. 9+750.00



ELEVATION	10.67	10.79	10.85	10.94	10.99	11.07	11.23	11.26	10.44	9.01	8.40	9.27	10.55	11.18	11.18	11.09	11.03	11.10	10.99	11.02	11.05
DISTANCE	-100.00	-90.00	-80.00	-70.00	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00

CROSS-SECTION
STA. 9+600 ~ STA. 9+800

VERTICAL SCALE 1:200m
HORIZONTAL SCALE 1:1000m

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REYNALDO V. LABORTE
OWNER/PROPONENT

R.V. LABORTE BUILDERS
Office Address: 34 Habitio St. Iyam, Lucena City
Plant Address: Km 125 Diversion Rd. Brgy. Isabang, Tayabas City
Tel. No.(042) 710-1135
REYNALDO V. LABORTE JR. - OWNER/MANAGER

PROJECT NAME AND LOCATION	SHEET CONTENTS:	SUBMITTED:	REVIEWED AS PRESENTED:			RECOMMENDING APPROVAL:					APPROVED:	SET NO.	SHEET NO.
PROPOSED BACLARAN RIVER DREDGING PLAN SECTION = STA. 0+350 TO STA. 9+800 LENGTH= 9,450 l.m. SANTA CRUZ, OCCIDENTAL MINDORO	CROSS-SECTION STA. 9+600 - STA. 9+800	REYNALDO V. LABORTE OWNER/PROPONENT DATE:	REMIGIO V. MASANGKAY PROVINCIAL ENGINEER DATE:	GENE RYAN A. ALTEA CHIEF, PLANNING AND DESIGN DIV. DPWH, REGION IV-B DATE:	LEONARDO L. LINGAN CHIEF, WATER PROJECTS DIV. BUREAU OF DESIGN DATE:	(SEE COVER SHEET) EDUARDO B. GADIANO PROVINCIAL GOVERNOR DATE:	(SEE COVER SHEET) JOSELITO A. ANTONIO DISTRICT ENGINEER MINDORO OCCIDENTAL DEO DATE:	(SEE COVER SHEET) GERALD A. PACANAN OIC-REGIONAL DIRECTOR DPWH, REGION IV-B DATE:	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC-DIRECTOR BUREAU OF DESIGN DATE:	(SEE COVER SHEET) ERIC A. AYAPANA ASSISTANT SECRETARY FOR TECHNICAL SERVICES DATE:	(SEE COVER SHEET) MAXIMO L. CARVAJAL UNDERSECRETARY FOR INFORMATION MANAGEMENT AND TECHNICAL SERVICES DATE:	CS 27 27	39 39