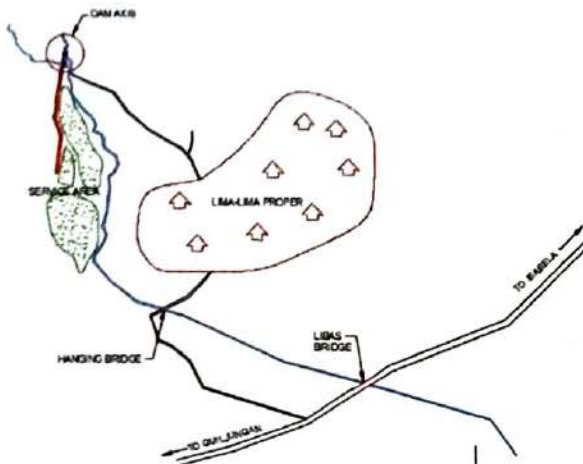




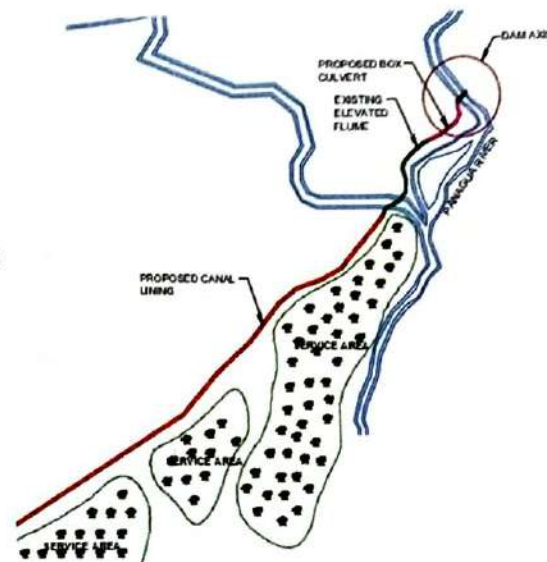
NEGROS ISLAND MAP

SCALE: N.T.S.



LOCATION PLAN

SCALE: N.T.S.



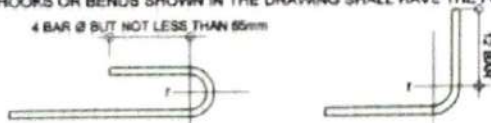
SITE DEVELOPMENT PLAN

SCALE: N.T.S.

GENERAL NOTES:

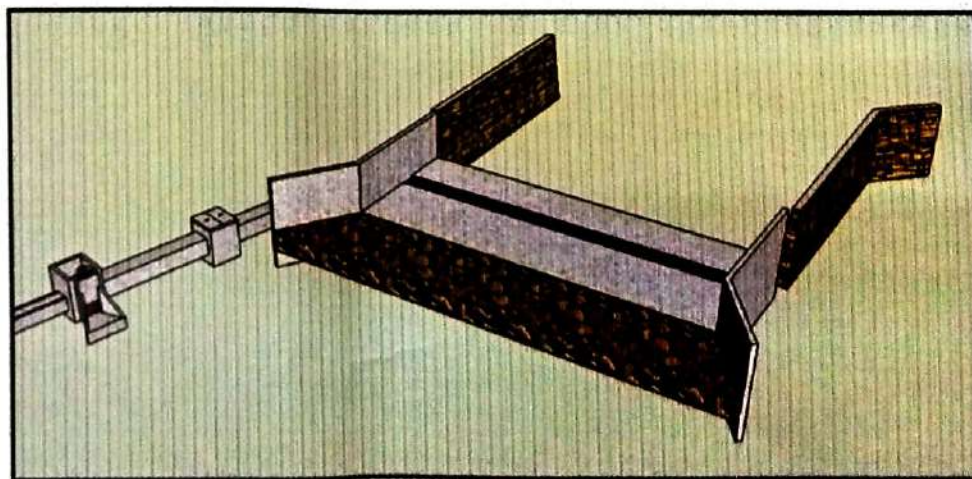
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 ALL ELEVATIONS (EL.) ARE IN METERS.
 ALL PARTS OF THE STRUCTURE UNLESS OTHERWISE SPECIFIED SHALL BE CONCRETE HAVING MINIMUM OF COMPRESSIVE STRENGTH OF 211 KSCM AT 28 DAYS.
 REINFORCING BARS SHALL BE DEFORMED BILLET STEEL OF INTERMEDIATE GRADE (ASTM 615 OR PS 275 GRADE 40).
 THE MAXIMUM SIZE OF AGGREGATES FOR CAST-IN PLACE CONCRETE SHALL NOT BE LARGER THAN 1/5 OF THE LEAST DIMENSIONS OF THE MEMBER NOR LARGER THAN 40mm. FOR PRECAST CONCRETE SHALL NOT BE LARGER THAN 1/4 OF THE LEAST DIMENSION OF THE MEMBER NOR LARGER THAN 20mm.
 CONCRETE PROTECTION FOR REINFORCEMENT SHALL NOT BE LESS THE FOLLOWING:
 a) FROM THE GROUND CONTACT SURFACE OF CONCRETE FOOTINGS AND OTHER MEMBERS IN WHICH CONCRETE IS DEPOSITED AGAINST THE GROUND
 b) FROM CONCRETE SURFACE EXPOSED TO WATER FLOW OR BE IN CONTACT WITH THE GROUND AFTER REMOVAL OF FORMS
 FOR BARS LARGER THAN 16mm Ø _____ 5cm.
 FOR BARS 16mm Ø AND SMALLER Ø _____ 4cm.
 LAPPING OF BARS SHALL BE 24 BAR Ø FOR DEFORMED BARS AND 48 BAR Ø FOR PLAIN BARS SPLICES SHALL BE STAGGERED.
 ALL BARS NOT OTHERWISE SPECIFIED SHALL BE 10mm Ø SPACED 30cm O.C. OR 12mm Ø SPACED 45cm ON CENTER.
 MINIMUM DISTANCE BETWEEN PARALLEL BARS SHALL BE 5cm.
 DEFLECT REINFORCEMENTS AROUND GROUT PROJECT POCKETS AND RECESSES WHERE REQUIRED.
 ALL EXPOSED EDGES SHALL BE ROUNDED OR CHAMBERED.
 ALL BARS WHEN REQUIRED SHALL BE BENT COLD.
 HOOKS OR BENDS SHOWN IN THE DRAWING SHALL HAVE THE FOLLOWING DIMENSIONS.

4 BAR Ø BUT NOT LESS THAN 85mm



r = 2 1/2 BAR Ø FOR 10mm Ø OR 16mm Ø BARS

r = 3 BAR Ø FOR 20mm Ø 22mm Ø OR 25mm Ø BARS



PERSPECTIVE VIEW

Concurred by:

REYNOLDO RECOVER, MNSA, CESM III
 REGIONAL EXECUTIVE DIRECTOR

TABLE OF CONTENT

1 / 13	NEGROS ISLAND MAP
	GENERAL NOTES
	LOCATION PLAN
	SITE DEVELOPMENT PLAN
	PERSPECTIVE VIEW
2 / 13	GENERAL PLAN OF DAM
3 / 13	SECTION THRU A-A, B-B & C-C
	ENLARGED DETAIL OF 'A'
4 / 13	MANHOLE TOP VIEW
	SECTION THRU 'A-A'
	BOX CULVERT DETAIL
	PERSPECTIVE VIEW
	MANHOLE PERSPECTIVE VIEW
5 / 13	WASTEWAY TOP VIEW
	CROSS SECTION THRU 'X-X'
	CROSS SECTION THRU 'Y-Y'
	PERSPECTIVE VIEW
6 / 13	STEEL GATE DETAIL
7 / 13	TOP VIEW
	CROSS SECTION THRU 'X'
	CROSS SECTION THRU 'Y'
	STIFFENER DETAIL
	PERSPECTIVE VIEW
8 / 13	TYPICAL BRIDGE FLUME
	(PLAN, SECTION THRU A, B, C & D)
	(ENLARGED DET. OF A)
9 / 13	TOPOGRAPHIC MAP
10 / 13	CANAL CROSS SECTION
11 / 13	CANAL PROFILE (1)
12 / 13	CANAL PROFILE (2)
13 / 13	PROJECT BILL BOARD
	PROJECT SIGN BOARD
	PROJECT MARKER



Prepared By:
FRANK ADRIAN V. VILLANUEVA, ABE
 Engineer
 LICENSE # 0008640
 VALID DEC. 15, 2022

Checked By:
GERMAN V. ABIMAY, ABE
 Engineer II
 LICENSE # 0007863
 VALID AUGUST 28, 2022

Reviewed By:
JIMBO P. GARSULA
 AED Head
 LICENSE # 000851
 VALID APRIL 6, 2022

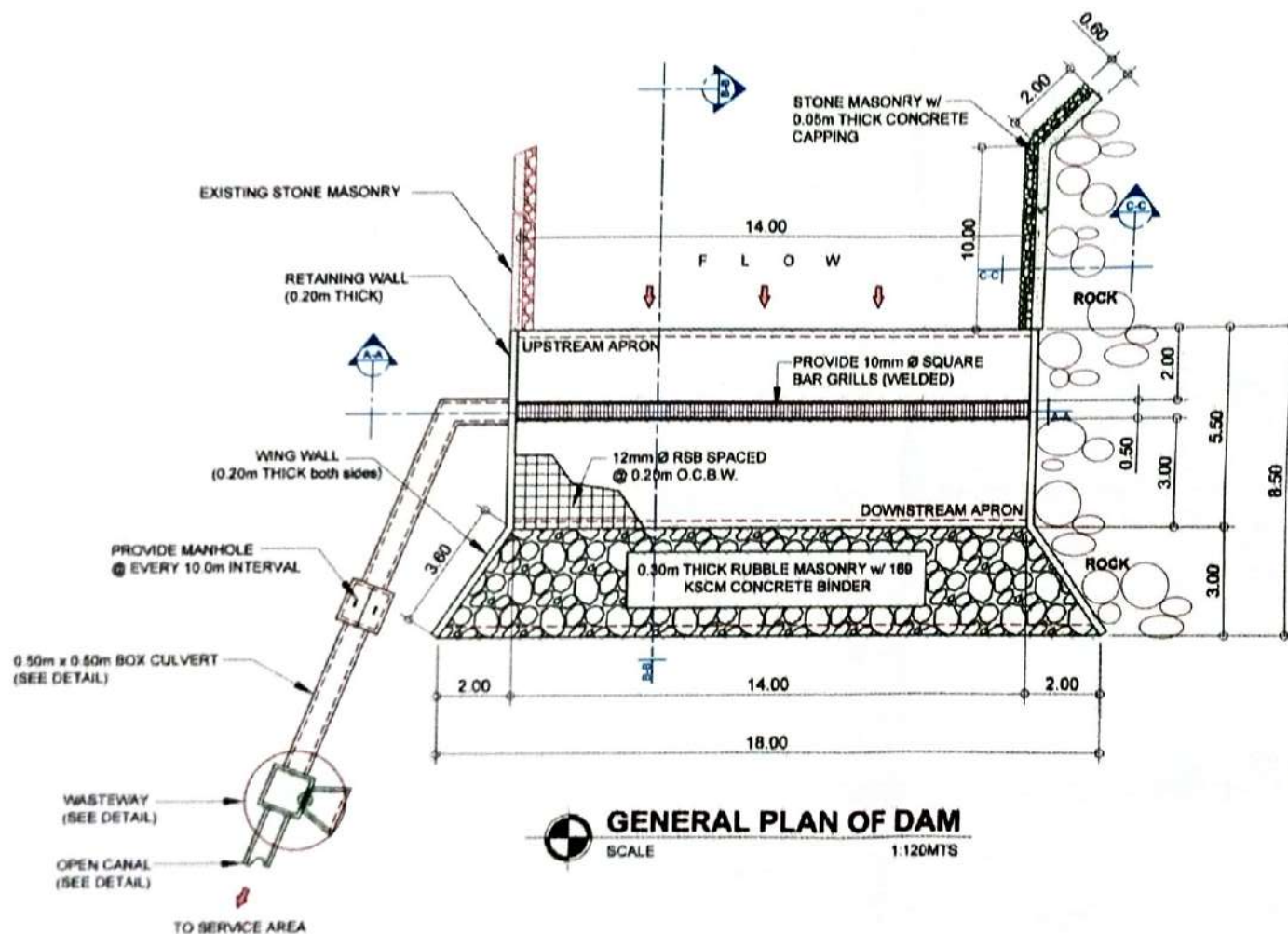
Recommending Approval:
EDUARDO RAUL Y. CAUSING, PhD
 PROVINCIAL AGRICULTURIST

Approved By:
HON. EUSEBIO JOSE V. LACSON
 Governor

Project Title:
REHABILITATION OF LIMA-LIMA DIVERSION DAM
 Location: Brgy. Lima-lima, Isabela, Negros Occidental

Sheet Content:
 NEGROS ISLAND MAP
 SITE DEVELOPMENT PLAN
 LOCATION PLAN
 GENERAL NOTES
 PERSPECTIVE VIEW

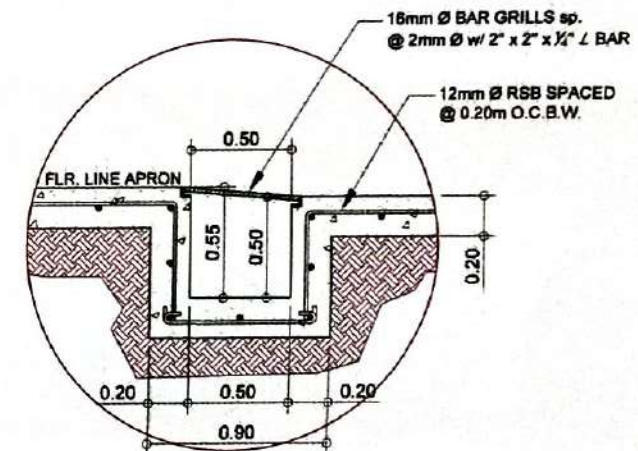
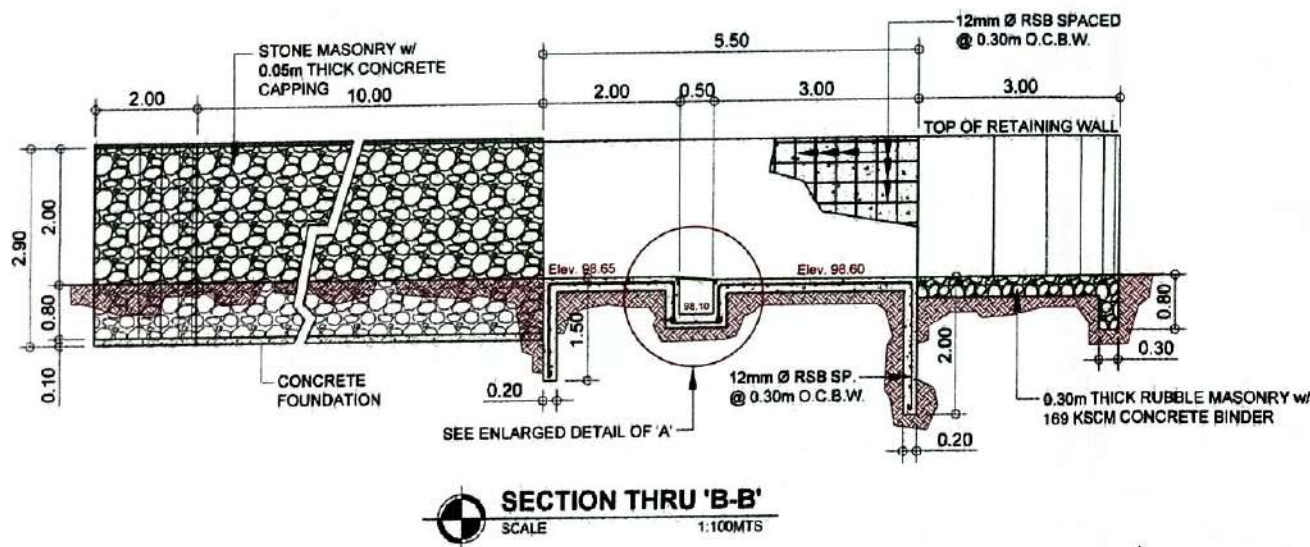
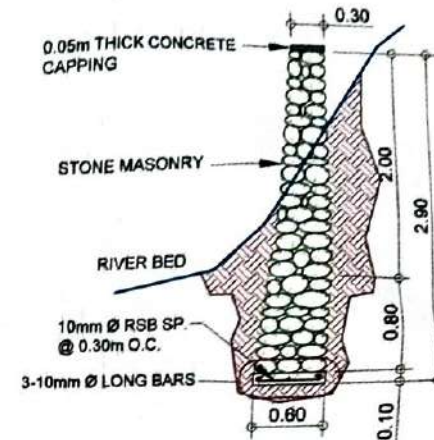
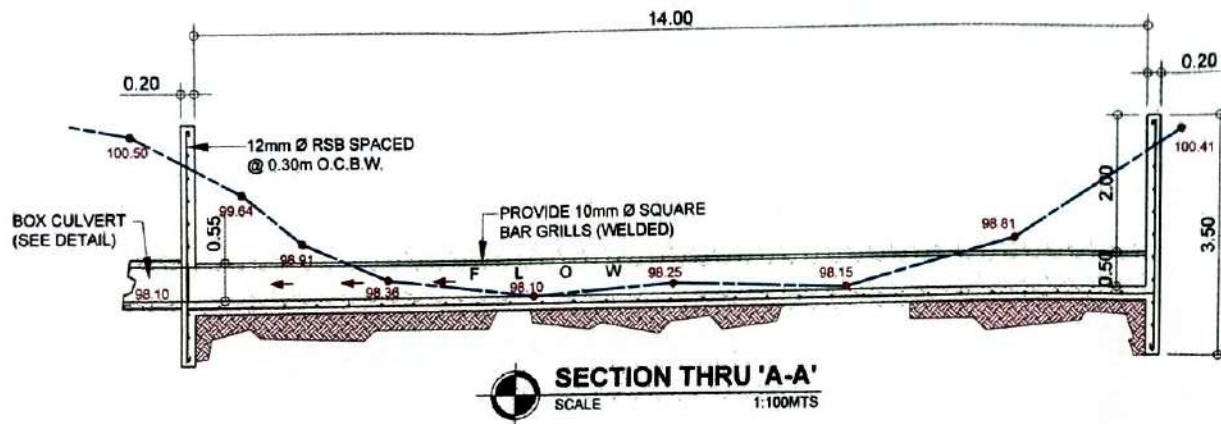
Sheet No:
1
13



Consented by:


REBELYN R. RICOTER, MNSA, CESO III
PROVINCIAL EXECUTIVE DIRECTOR

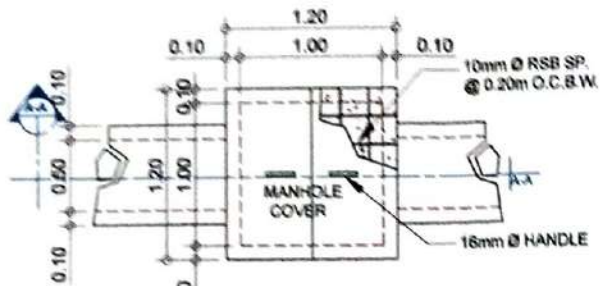
	Prepared By FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 000846 VALID UNTIL 12-31-2022	Checked By GERMAN V. ABIHAY, ABE Engineer II LICENSE # 000783 VALID UNTIL 12-31-2022	Reviewed By JIMBO P. GARSULA AED Head LICENSE # 000781 VALID UNTIL 12-31-2022	Recommending Approval EDUARDO RAUL Y. CAUSING, PhD PROVINCIAL AGRICULTURIST	Approved By HON. EUGENIO JOSE V. LACSON Governor	Project Title REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy Lima-lima, Isabela, Negros Occidental	Sheet content GENERAL PLAN OF DAM	Sheet No. 2 13
--	---	---	--	--	---	---	--------------------------------------	------------------------------------



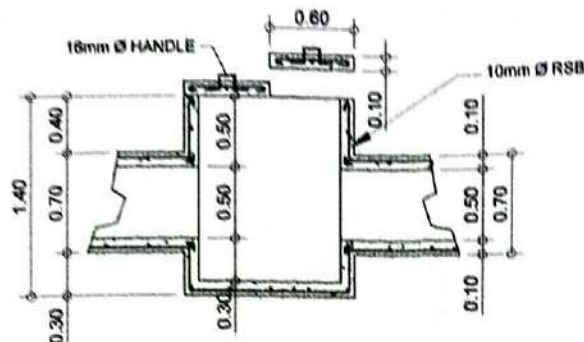
Consented by:

RECEIVED BY: RECTOR, MISA, CESOL
EXECUTIVE DIRECTOR

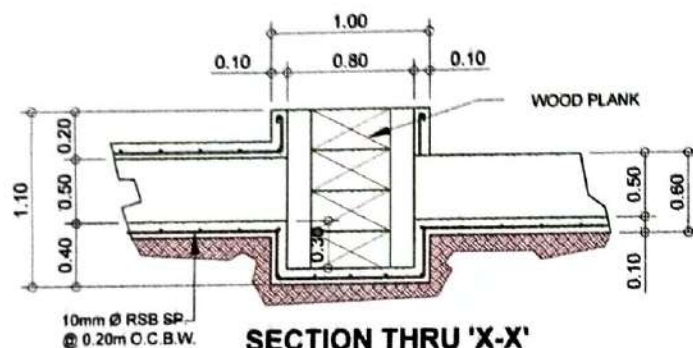
 <p>Prepared By: FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 0008540 VALID DEC 18, 2022</p>	<p>Checked By: GERMANY ABIHAY, ABE Engineer III LICENSE # 0003763 VALID AUGUST 28, 2022</p>	<p>Reviewed By: JIMBO P. GARSULA AEO-Head LICENSE # 0018691 VALID APRIL 8, 2024</p>	<p>Recommending Approval: EDMUNDO RAUL Y. CAUSING, PhD. PROVINCIAL AGRICULTURIST</p>	<p>Approved By: HON. EUGENIO JOSE V. LACSON Governor</p>	<p>Project Title: REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy. Lima-lima, Isabela, Negros Occidental</p>	<p>Sheet content: SECTION THRU A-A SECTION THRU B-B SECTION THRU C-C ENLARGED DET. OF 'A'</p>	<p>Sheet No: 3 13</p>
---	--	--	---	---	--	---	---



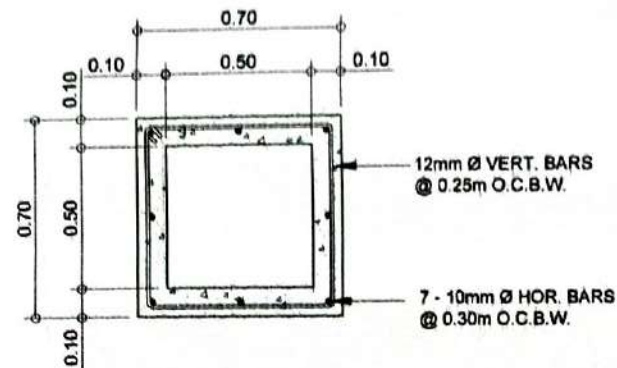
MANHOLE TOP VIEW



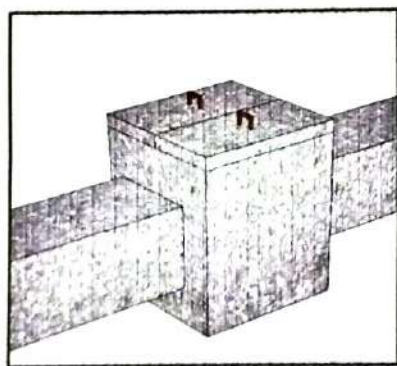
SECTION THRU 'A-A'



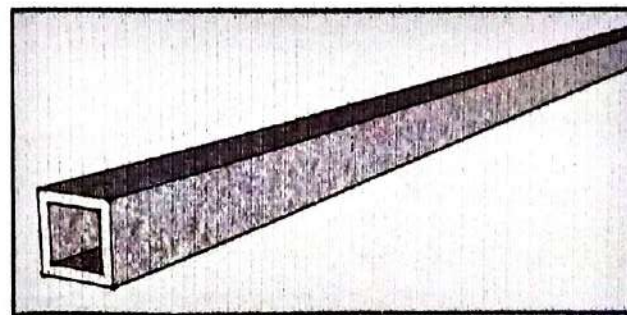
SECTION THRU 'X-X'



BOX CULVERT DETAIL
SCALE 1:30MTS



MANHOLE PERSPECTIVE VIEW

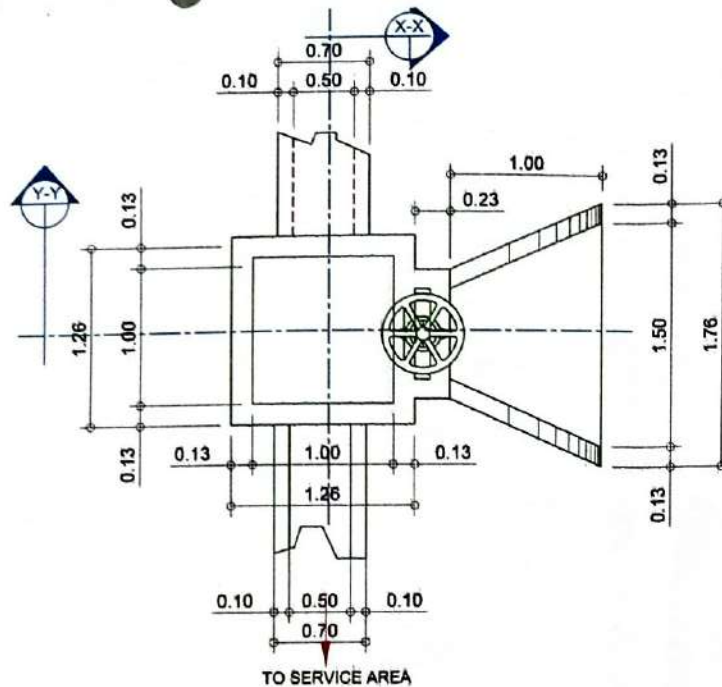


BOX CULVERT PERSPECTIVE VIEW

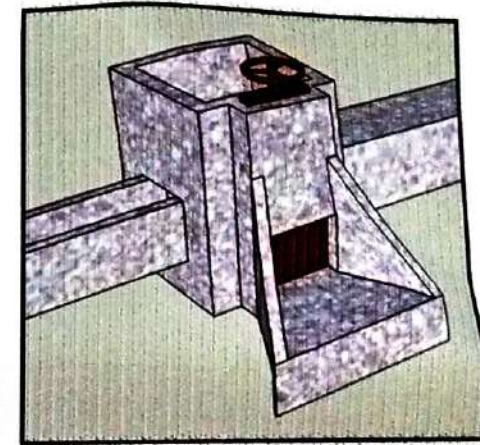
Consented by:

[Signature]
DIRECTOR, MNSA, CESSU
PROVINCIAL DIRECTOR

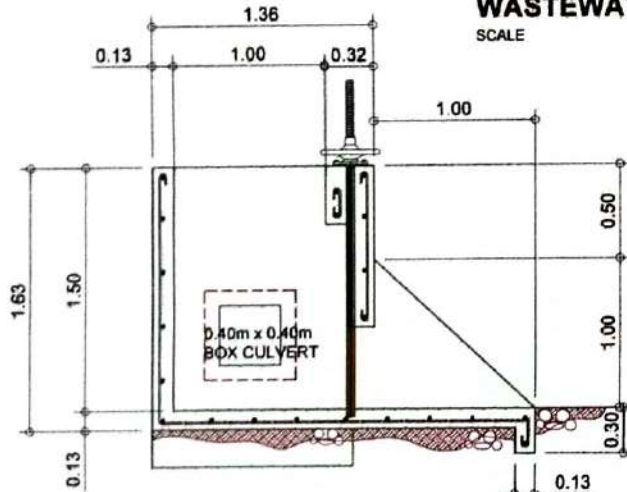
	<p>Prepared By:</p> <p><i>[Signature]</i> FRANK ADRIAN V. VILLANUEVA, ABE Engineer I</p> <p>LICENSE # 0009540 VALID DEC. 16, 2022</p>	<p>Checked By:</p> <p><i>[Signature]</i> GERMAN V. ABIHAY, ABE Engineer III</p> <p>LICENSE # 0003783 VALID AUGUST 26, 2022</p>	<p>Reviewed By:</p> <p><i>[Signature]</i> JIMBO P. GARSULA AED Head</p> <p>LICENSE # 0001861 VALID APRIL 5, 2024</p>	<p>Recommending Approval:</p> <p><i>[Signature]</i> EDMUNDO RAUL Y. CAUSING, Ph.D. PROVINCIAL AGRICULTURIST</p>	<p>Approved By:</p> <p><i>[Signature]</i> HON. EUGENIO JOSE V. LACSON Governor</p>	<p>Project Title:</p> <p>REHABILITATION OF LIMA-LIMA DIVERSION DAM</p> <p>Location: Brgy. Lima-lima, Isabela, Negros Occidental</p>	<p>Sheet content:</p> <p>MANHOLE TOP VIEW SECTION THRU 'A-A' MANHOLE PERS. VIEW BOX CULVERT DETAIL PERSPECTIVE VIEW</p>	<p>Sheet No:</p> <p>4 13</p>
--	--	---	---	--	---	--	---	---



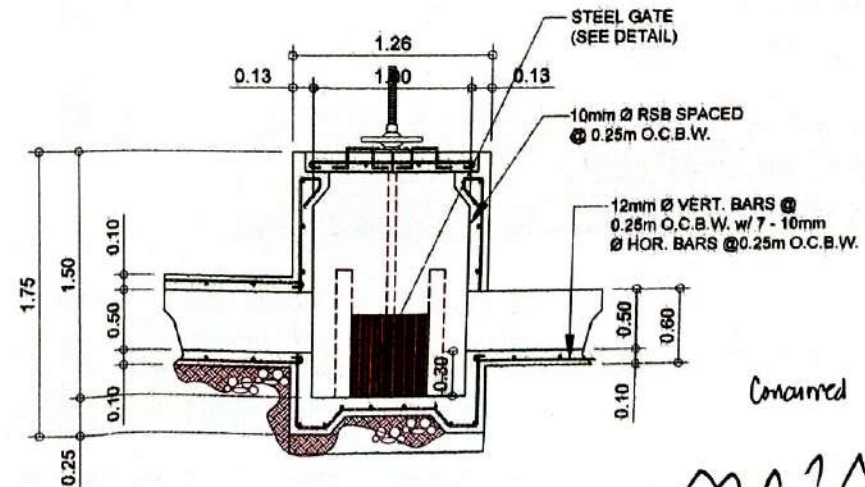
WASTEWAY TOP VIEW
SCALE 1:35MTS



WASTEWAY PERSPECTIVE VIEW



CROSS SECTION THRU 'Y-Y'
SCALE 1:35MTS

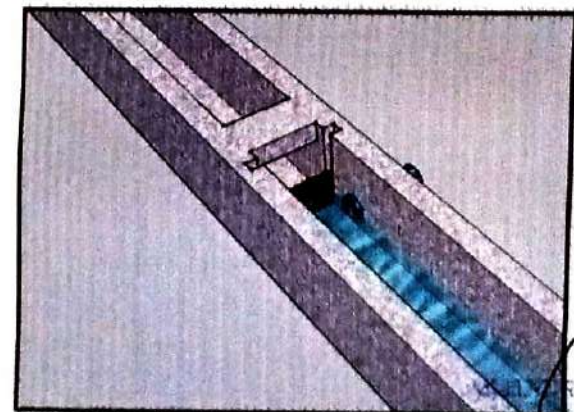
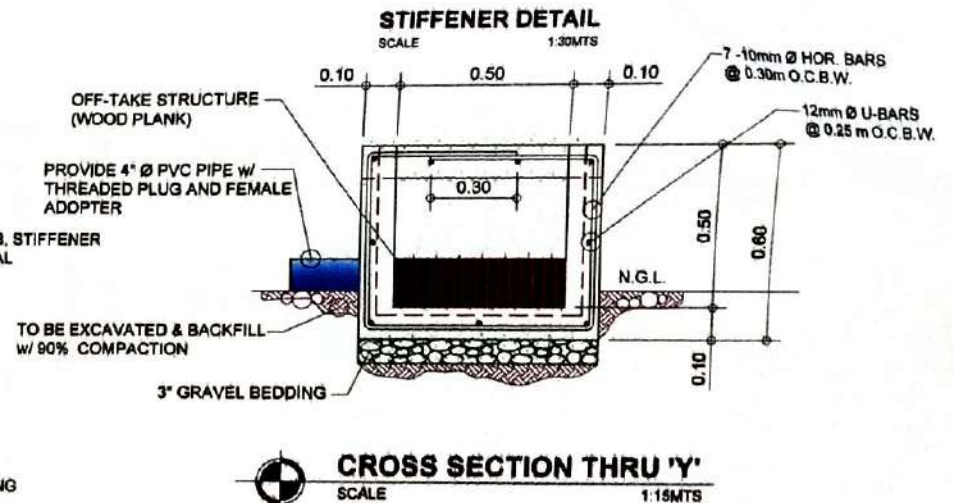
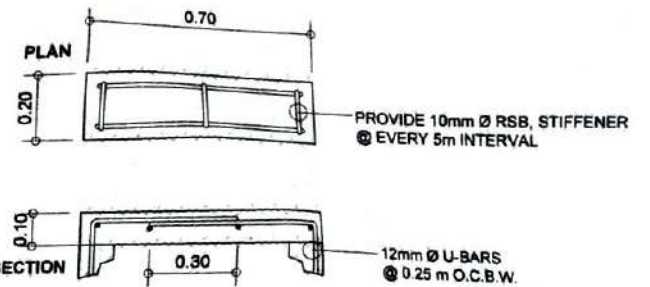
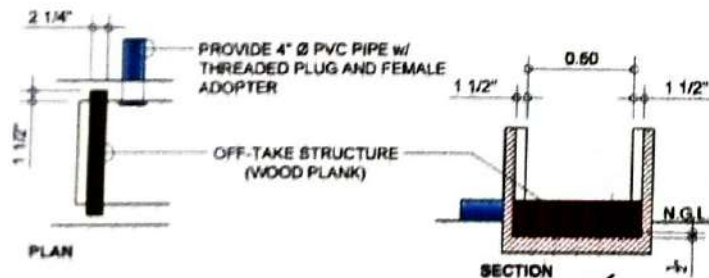
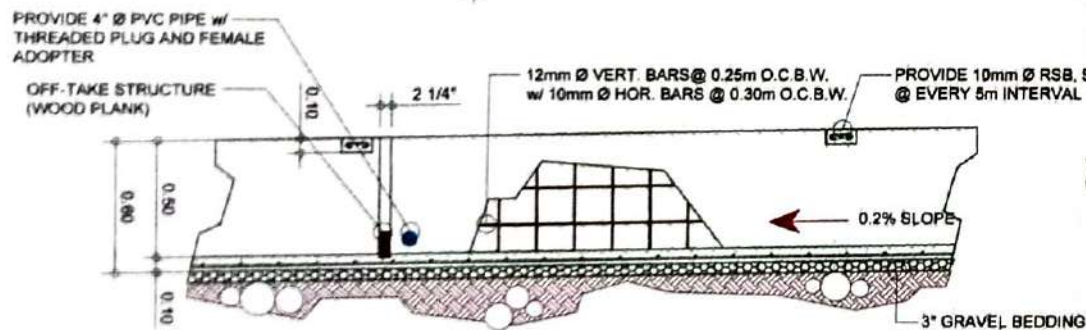
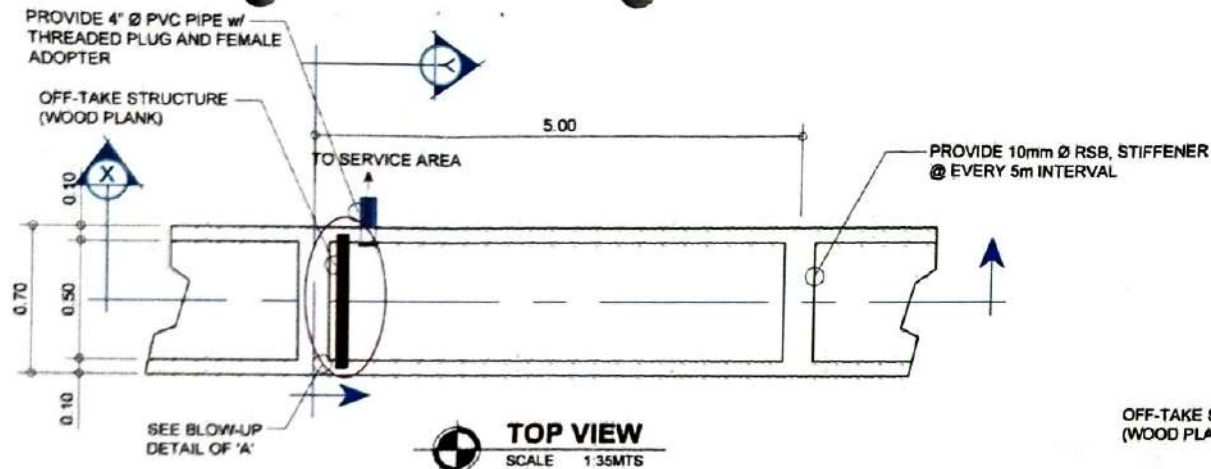


CROSS SECTION THRU 'X-X'
SCALE 1:35MTS

Consented by:

RECEIVED BY: RECOTER, MISA, CESOR
EXECUTIVE DIRECTOR

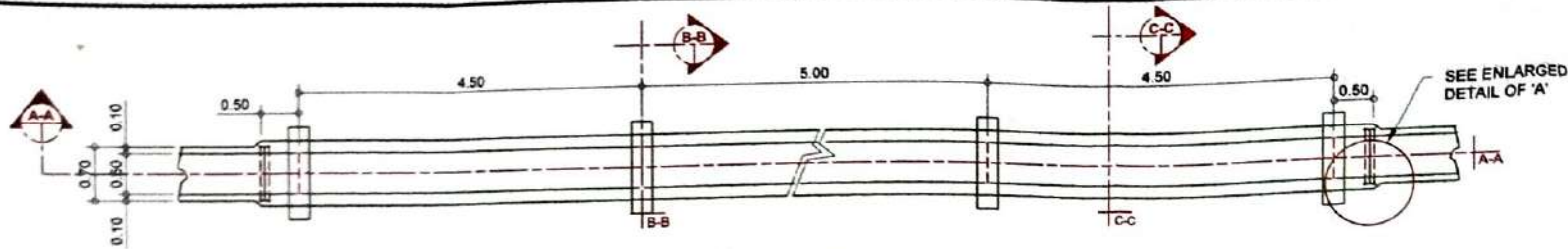
<p>Prepared By: <i>Frank Adrian V. Villanueva</i> FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 0008640 VALID: DEC. 19, 2022</p>	<p>Checked By: <i>German V. Abihay</i> GERMAN V. ABIHAY, ABE Engineer III LICENSE # 0007963 VALID: AUGUST 28, 2022</p>	<p>Reviewed By: <i>Jimbo P. Garsula</i> JIMBO P. GARSULA AED Head LICENSE # 0001891 VALID: APRIL 6, 2024</p>	<p>Recommending Approval: <i>Edmundo Raul Y. Causing</i> EDMUNDO RAUL Y. CAUSING, PKA PROVINCIAL AGRICULTURIST</p>	<p>Approved By: <i>Hon. Eugenio Jose V. Lacson</i> HON. EUGENIO JOSE V. LACSON Governor</p>	<p>Project Title: REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy. Lima-Lima, Isabela, Negros Occidental</p>	<p>Sheet content: WASTEWAY TOP VIEW CROSS SECTION THRU 'X-X' CROSS SECTION THRU 'Y-Y' WASTEWAY PERSPECTIVE VIEW</p>	<p>Sheet No. 5 13</p>
--	---	---	---	--	--	---	--------------------------------------



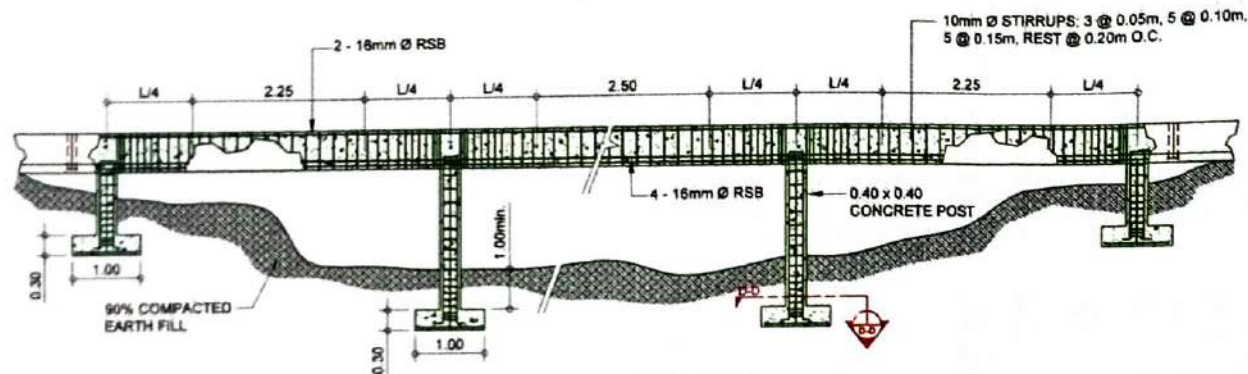
CONCRETE CANAL DETAIL

PERSPECTIVE VIEW

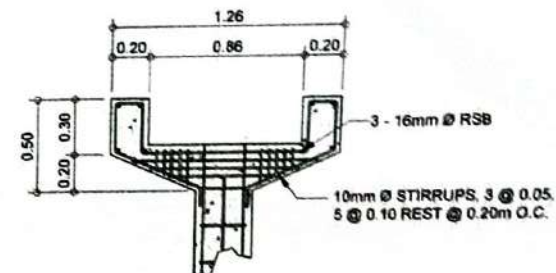
	Prepared By FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 000848 VALID UNTIL 12-2022	Checked By GERMAN V. ABHAY, ABE Engineer II LICENSE # 000848 VALID UNTIL 12-2022	Reviewed By JIMBO P. GARSULA ABE-III LICENSE # 000848 VALID UNTIL 12-2022	Recommending Approval EDMUNDO RAUL V. CAUSING, Ph.D. PROVINCIAL AGRICULTURIST	Approved By HON. EUGENIO JOSE V. LACSON Governor	Project Title REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy. Lima-Lima, Isabela, Negros Occidental	Sheet content: TOP VIEW CROSS SECTION THRU 'X' CROSS SECTION THRU 'Y' STIFFENER DETAIL PERSPECTIVE VIEW	Sheet No: 7 13
--	--	---	--	--	---	--	--	------------------------------------



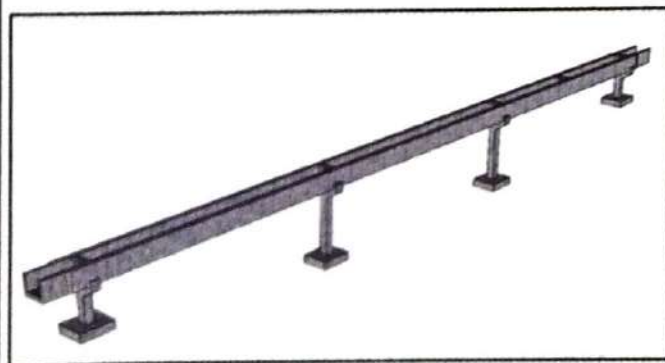
PLAN
SCALE 1:130MTS



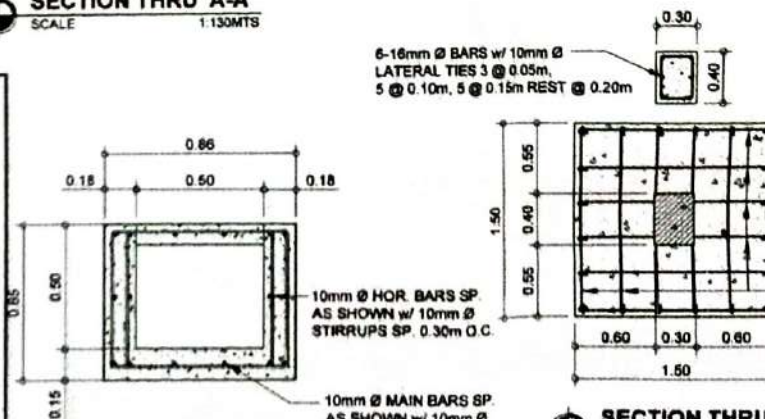
SECTION THRU 'A-A'
SCALE 1:130MTS



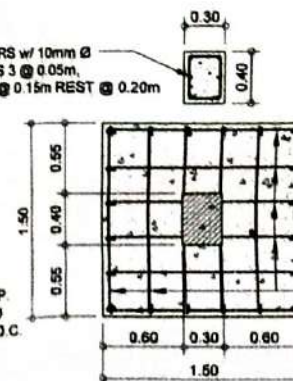
ENLARGED DETAIL OF 'B'
SCALE 1:35MTS



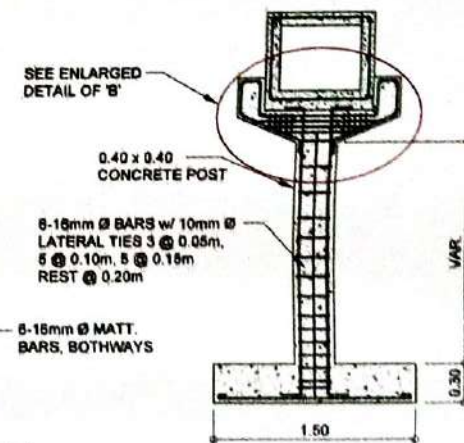
PERSPECTIVE VIEW



SECTION THRU 'C-C'
SCALE 1:40MTS



SECTION THRU 'D-D'
SCALE 1:25MTS

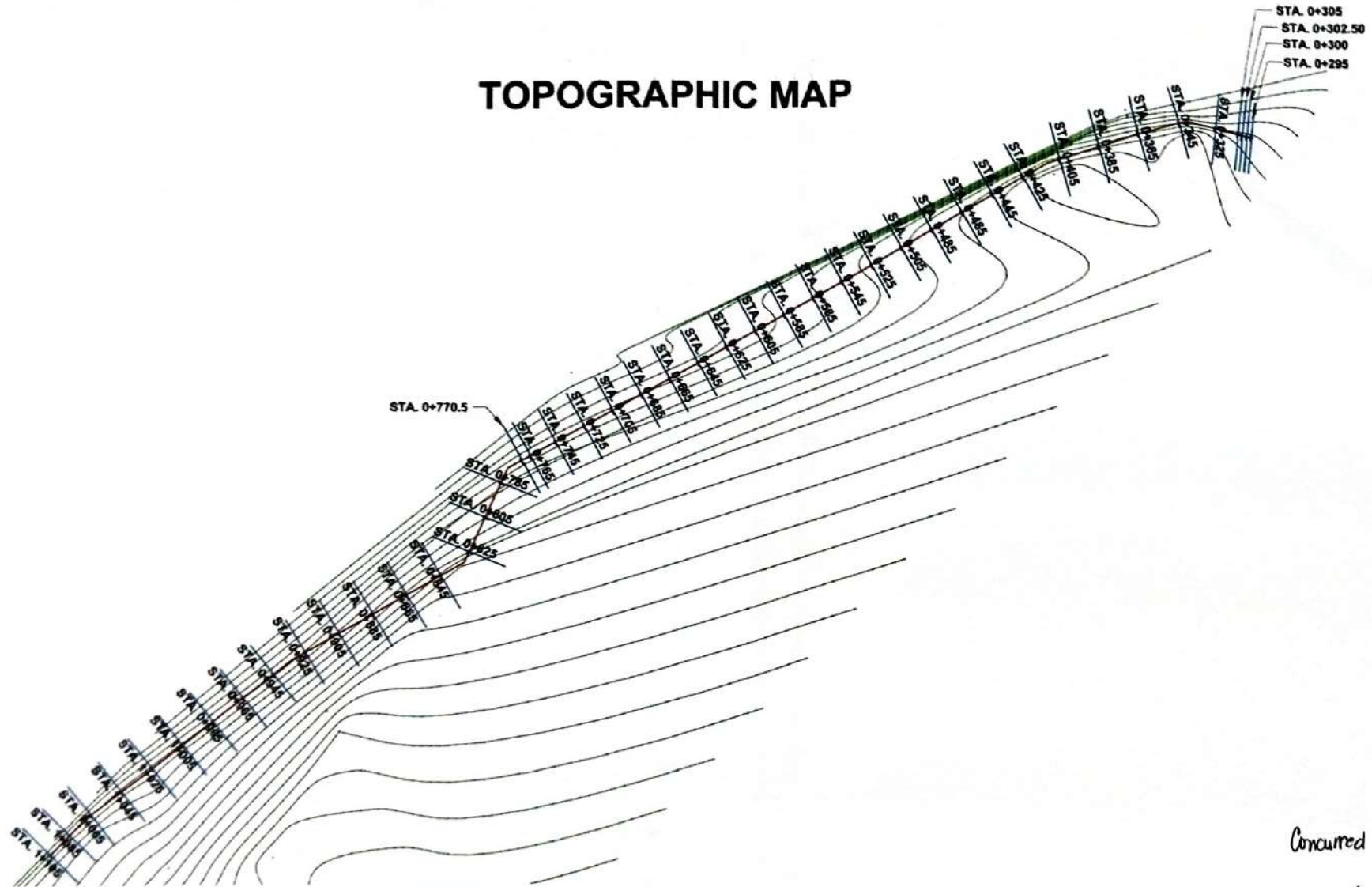


SECTION THRU 'B-B'
SCALE 1:25MTS

Conserved by:

Prepared By <i>Frank Adrian V. Villanueva, ABE</i> FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 060840 VALID DEC. 19, 2022	Checked By <i>German V. Abihay, ABE</i> GERMAN V. ABIHAY, ABE Engineer II LICENSE # 060840 VALID AUGUST 28, 2022	Reviewed By <i>Jimbo P. Gargula</i> JIMBO P. GARGULA ABE-14400 LICENSE # 140189 VALID APRIL 5, 2024	Recommending Approval <i>Edmundo Raul Y. Causing, PLD</i> EDMUNDO RAUL Y. CAUSING, P.L.D. PROVINCIAL AGRICULTURIST	Approved By <i>Hon. Eugenio Jose V. Lacson</i> HON. EUGENIO JOSE V. LACSON Governor	Project Title REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy. Lima-Lima, Isabela, Negros Occidental	Sheet number 8 Total sheets 13
---	---	--	---	--	--	---

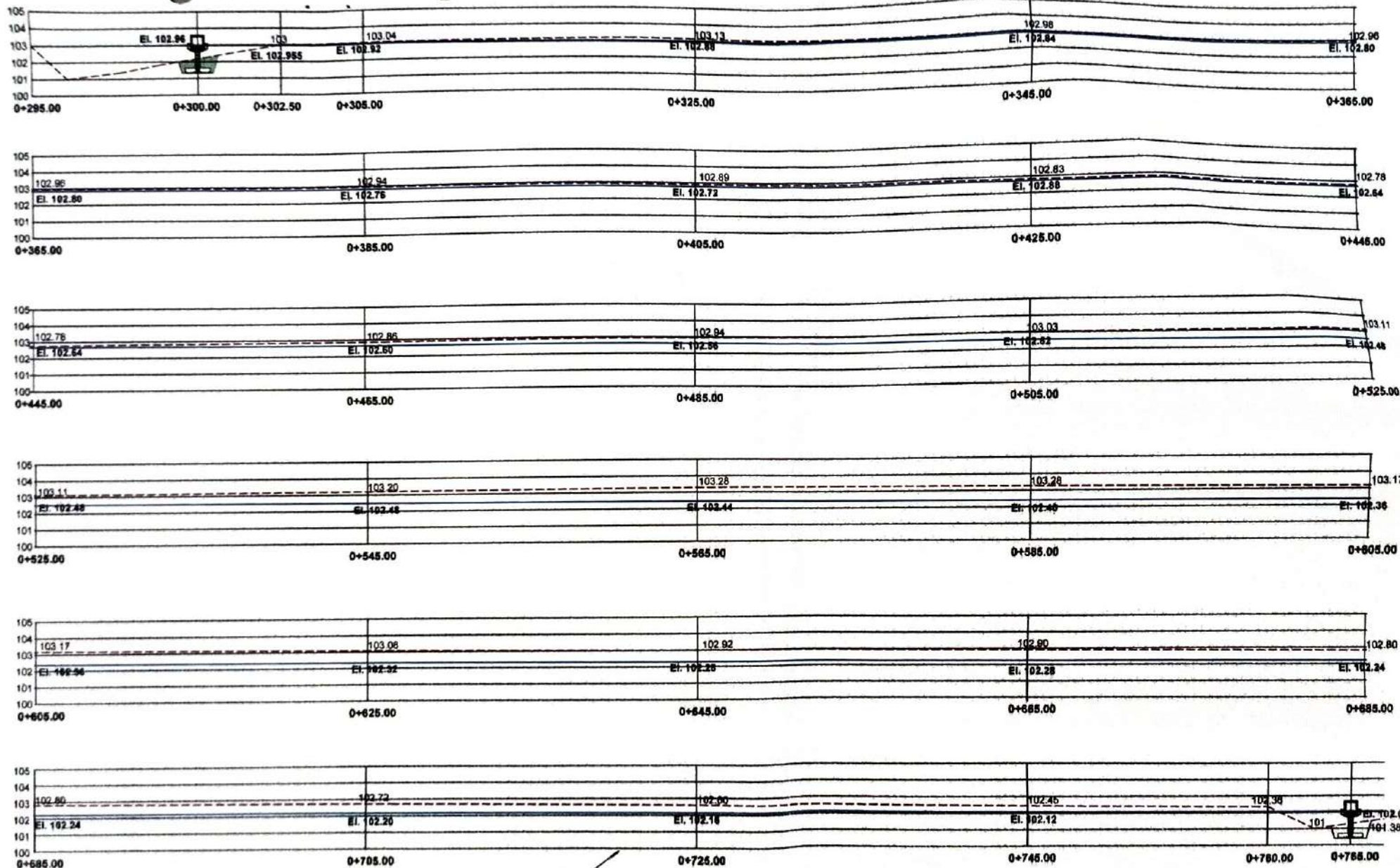
TOPOGRAPHIC MAP



Concurred by:


REVIEWED BY: *[Signature]*
 REGIONAL ENGINEER, MNSA CEBU
 REGIONAL OFFICE, DIVISION OFFICE

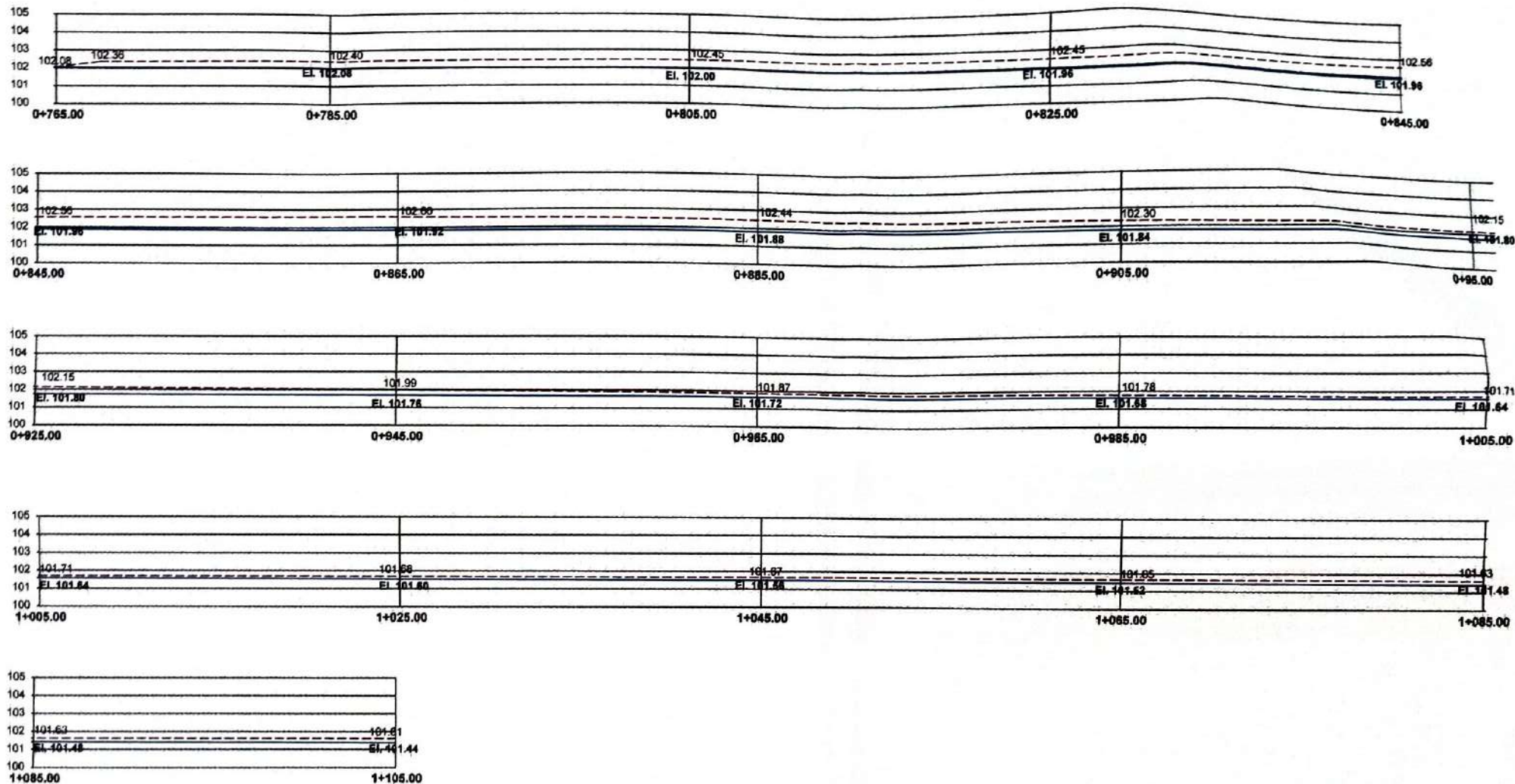
<p>PHILIPPINE ASSOCIATION OF ROAD ENGINEERS (PARE) A PROFESSIONAL ORGANIZATION OF ROAD ENGINEERS INCORPORATED IN THE PHILIPPINES LICENSE NO. 000040 VALID DEC. 18, 2022</p>	<p>Prepared By:</p> <p><i>[Signature]</i> FRANK ADRIAN V. VILLANUEVA, ABE Engineer I</p>	<p>Checked By:</p> <p><i>[Signature]</i> GERMAN V. ABIHAY, ABE Engineer III</p>	<p>Reviewed By:</p> <p><i>[Signature]</i> JIMBO P. GARSULA AED Head</p>	<p>Recommending Approval:</p> <p><i>[Signature]</i> EDMUNDO RAUL Y. CAUSING, PhD. PROVINCIAL AGRICULTURIST</p>	<p>Approved By:</p> <p><i>[Signature]</i> HON. EUGENIO JOSE V. LACSON Governor</p>	<p>Project Title:</p> <p>REHABILITATION OF LIMA-LIMA DIVERSION DAM</p> <p>Location: Brgy. Lima-lima, Isabela, Negros Occidental</p>	<p>Sheet content:</p> <p>TOPOGRAPHIC MAP</p>	<p>Sheet No.</p> <p>9 13</p>
---	---	--	--	---	---	---	--	---



CANAL PROFILE (1)

Concurred by: *[Signature]*
REMELYNE R. PROBITER, MNSA, CESO III
 REGIONAL EXECUTIVE DIRECTOR

 <p>DEPARTMENT OF AGRICULTURE REPUBLIC OF THE PHILIPPINES</p>	<p>Prepared By: <i>[Signature]</i> FRANK ADRIAN V. VILLANUEVA, ABE Engineer I</p> <p>LICENSE # 000840 VALID DEC. 19 2022</p>	<p>Checked By: <i>[Signature]</i> GERMAN V. ABIHAY, ABE Engineer II</p> <p>LICENSE # 000703 VALID AUGUST 19 2022</p>	<p>Reviewed By: <i>[Signature]</i> JIMBO P. GARSULA AED Head</p> <p>LICENSE # 000161 VALID APRIL 6 2024</p>	<p>Recommending Approval: <i>[Signature]</i> EDMUNDO RAUL Y. CAUSING, PhD PROVINCIAL AGRICULTURIST</p>	<p>Approved By: <i>[Signature]</i> HON. EUGENIO JOSE V. LACSON Governor</p>	<p>Project Title REHABILITATION OF LIMA-LIMA DIVERSION DAM</p> <p>Location: Brgy. Lima-lima, Isabela, Negros Occidental</p>	<p>Sheet content CANAL PROFILE (1)</p>	<p>Sheet No. 11 13</p>
--	--	--	---	---	--	--	---	--

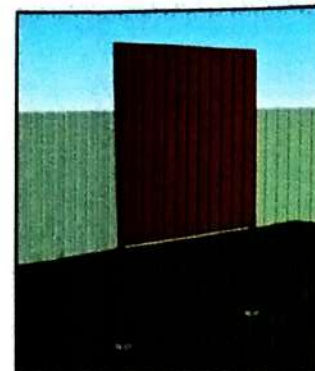


CANAL PROFILE (2)

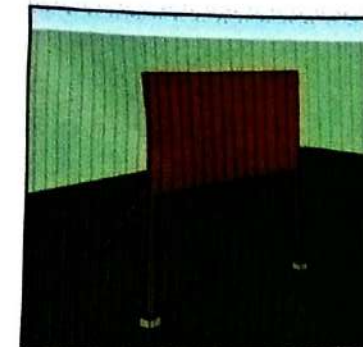
Conserved by:

REMELYNA RECOVER MISA, CESON
REGIONAL EXECUTIVE DIRECTOR

	Prepared By: FRANK ADRIAN V. VILLANUEVA, ABE Engineer I LICENSE # 0006640 VALID DEC. 19, 2022	Checked By: GERMAN V. ABIHAY, ABE Engineer II LICENSE # 0003753 VALID AUGUST 28, 2022	Reviewed By: JIMBO P. GARSULA AED-Head LICENSE # 0001891 VALID APRIL 5, 2024	Recommending Approval: EDMUNDO RAUL Y. CAUSING, PhD PROVINCIAL AGRICULTURIST	Approved By: HON. EUGENIO JOSE V. LACSON Governor	Project Title: REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Brgy. Lima-lima, Isabela, Negros Occidental	Sheet content: CANAL PROFILE (2)	Sheet No.: 12 13
--	---	---	--	--	---	--	--	-------------------------------



BILL BOARD PERSPECTIVE VIEW

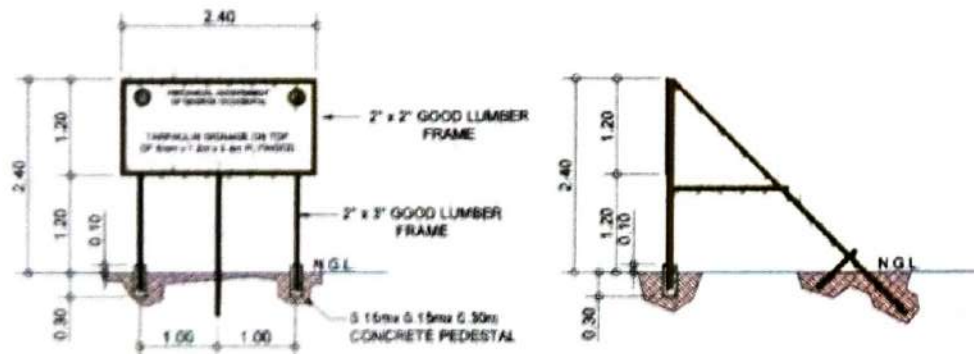


SIGN BOARD PERSPECTIVE VIEW

FRONT ELEVATION

SIDE ELEVATION

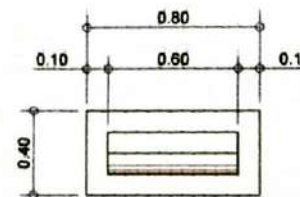
PROJECT BILL BOARD DETAIL



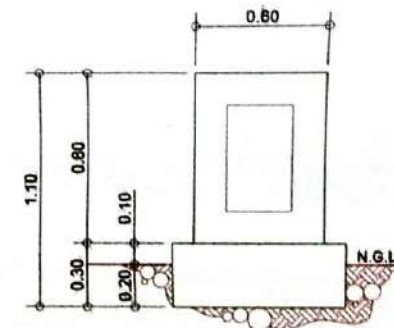
FRONT ELEVATION

SIDE ELEVATION

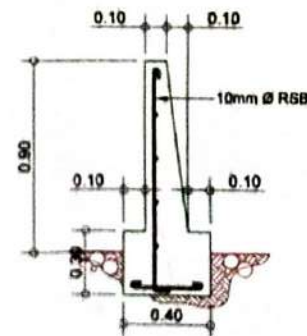
PROJECT SIGN BOARD DETAIL



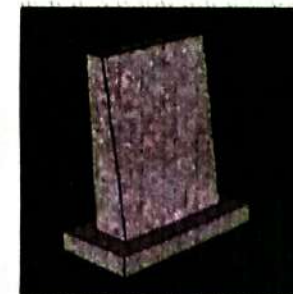
TOP VIEW



TOP VIEW



TOP VIEW




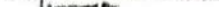









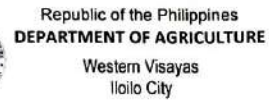
PERSPECTIVE VIEW

PROJECT MARKER DETAIL

Concurred by:

REMYLYN R. RECDTERMASTERO
REGIONAL EXECUTIVE DIRECTOR

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE REGIONAL ENGINEER REGIONAL ENGINEER REGIONAL ENGINEER REGIONAL ENGINEER	Prepared By  FRANK ADRIAN V. VILLANUEVA, ASE Engineer I	Checked By  GERMANO ASIHAY, ASE Engineer II	Reviewed By  JIMBO P. GARSULA Engineer III	Recommending Approval  EDMUNDO RAUL V. CRAVING, A.P. PROVINCIAL AGRICULTURIST	Approved By  HON. EUGENIO JOSE V. LACSON Governor	Project Title REHABILITATION OF LIMA-LIMA DIVERSION DAM Location: Bigy Lim-asna, Isabela, Negros Occidental	Sheet content PROJECT SIGN BOARD DET PROJECT BILL BOARD DET PROJECT MARKER DET	Sheet No. 13 13
	LICENSEE'S SIGNATURE 	LICENSEE'S SIGNATURE 	LICENSEE'S SIGNATURE 	LICENSEE'S SIGNATURE 	LICENSEE'S SIGNATURE 	LICENSEE'S SIGNATURE 		



REHABILITATION OF LIMA-LIMA DIVERSION DAM
Brgy. Lima-lima, Isabela, Negros Occidental

The diagram illustrates a project network. It begins at a 'START' node and ends at an 'END' node. The main path consists of activities A1, A2, and A4. Activity A1 is the longest segment, with several branches: B1, B2, B3, B4, B5, B6, B7, B8, B9, and B10. Activity B10 leads to A2, which then leads to END. Dashed lines indicate dependencies or relationships between activities.

Prepared by: 
JASMIN N. NAPANTI, ARE
(Engineer License No. 0007283)


YVONNE GRACE H. SORABE
Engineer III (License No. 0015970)
Section Chief, EPDS

MUSSED D. MANAY, ABE, MEE
Engineer IV (License No. 0006077)
OIC-Chief RAED

JOSE A. BERT A. BARROGO, ABE
OIC-RTU for Operations and Extension