



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Catarman, Northern Samar

CY 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
**REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3,
BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE I)**

Brgy. Mabolo, Catarman, Northern Samar
NET LENGTH = 22500 mm.

SUBMITTED BY:


DAHLIA T. DE ASIS
CHIEF, MAINTENANCE SECTION

Date:

RECOMMENDING APPROVAL:


VIVIAN G. BIACO
ASST. DISTRICT ENGINEER

Date:

APPROVED:


ALVIN A. IGNACIO
DISTRICT ENGINEER

Date:

INDEX OF SHEET

PROJECT TITLE

INDEX OF SHEET
LOCATION MAP
VICINITY MAP

SUMMARY OF QUANTITY

TYPICAL CROSS SECTION

WALLING DETAIL OF REVETMENT
BLOW UP DETAIL CONC. PILE CAP

ELEVATION OF STAIRS
PLAN OF STAIRS

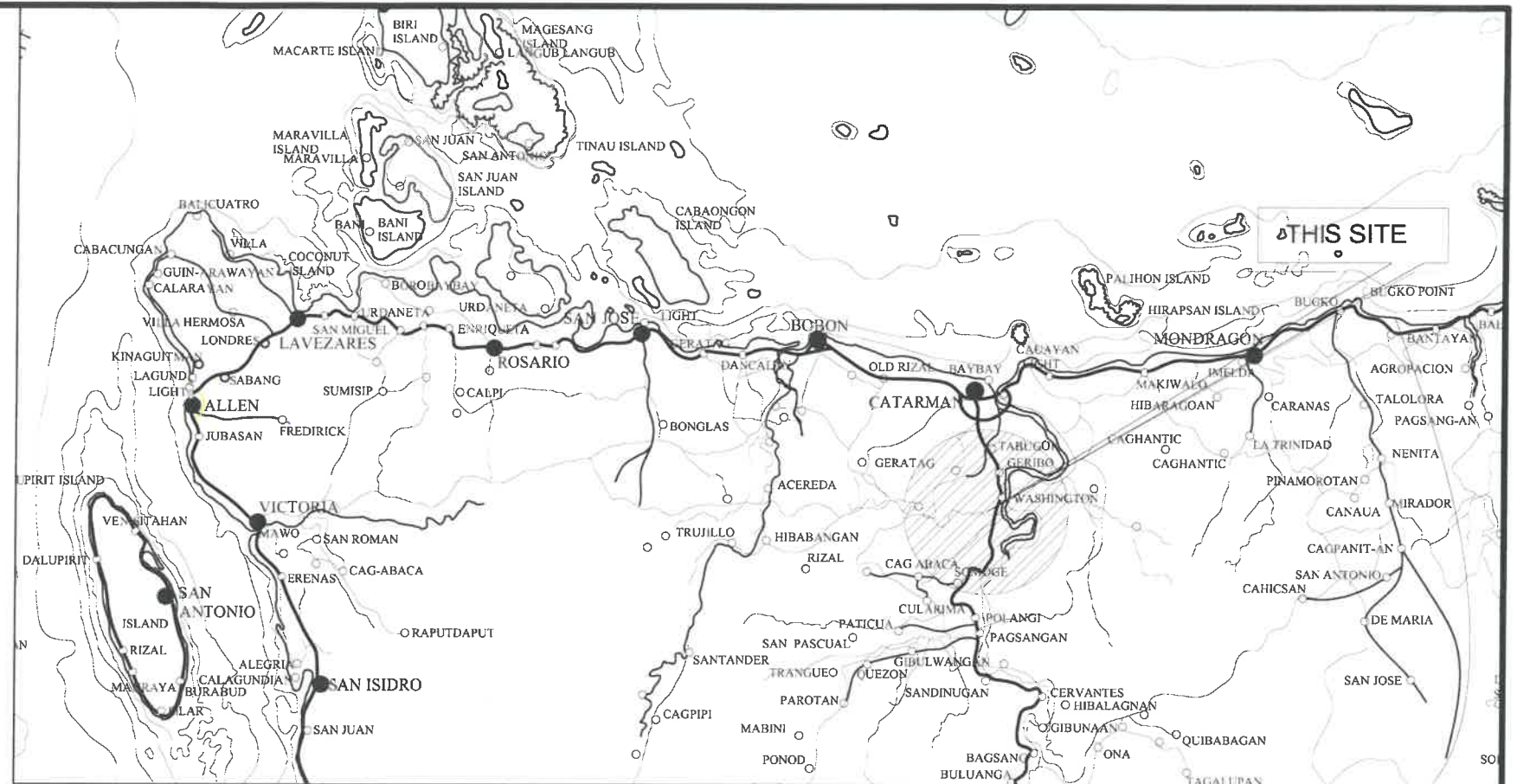
BLOW-UP
DETAIL OF STAIRS

STRAIGHT LINE DIAGRAM

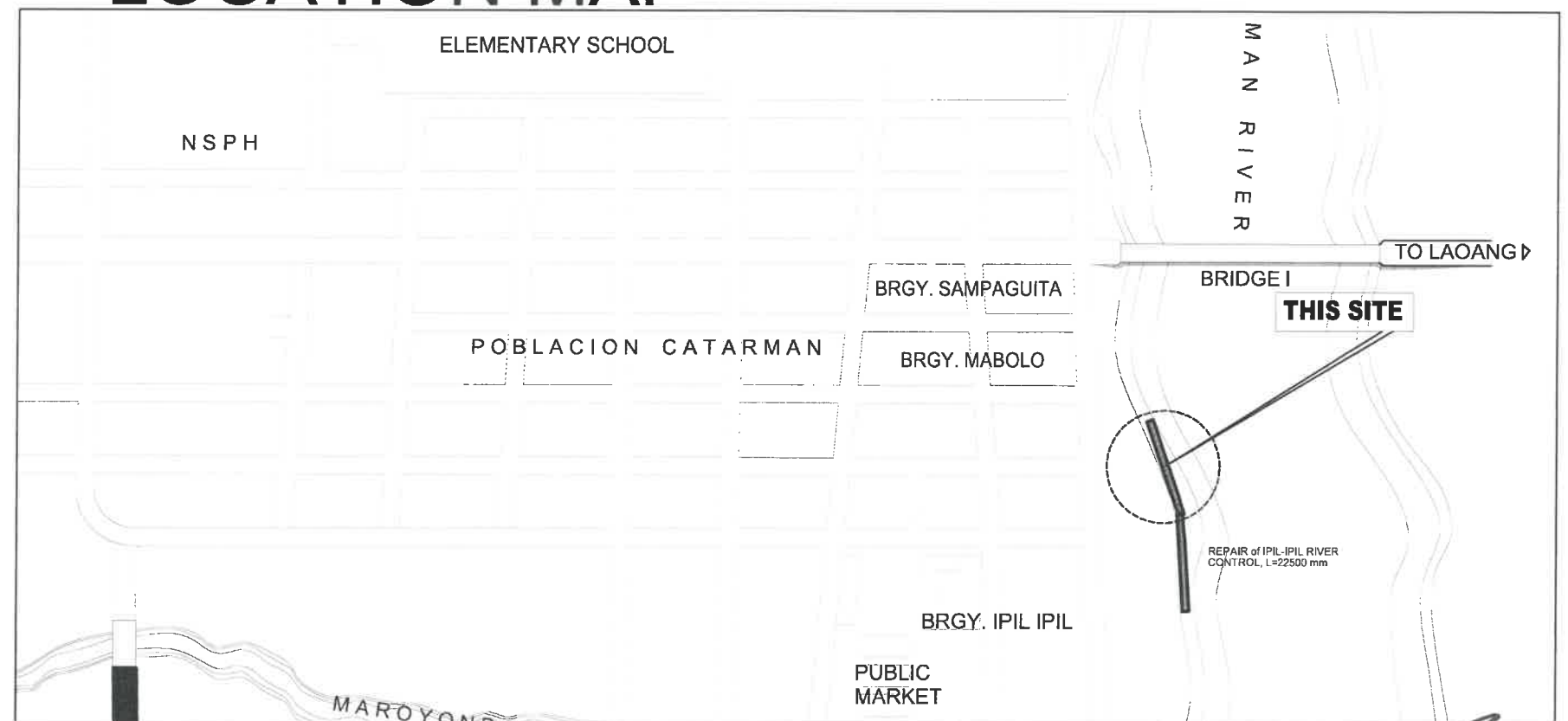
TYPICAL CROSS SECTION (HALF LANE)

DPWH BILLBOARD FRAME

COA BILLBOARD FRAME



LOCATION MAP



VICINITY MAP



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataraman, Northern Samar

PROJECT NAME & LOCATION:

REPAIR/MAINTENANCE OF CATARAMAN RIVER REVETMENT 3,
BRGY. MABOLO, CATARAMAN, NORTHERN SAMAR (PHASE I)
Brgy. Mabolo, Cataraman, Northern Samar

SHEET CONTENTS:

INDEX OF SHEET
LOCATION MAP
VICINITY MAP

DRAFTED:

KRISTINA A. FERRER
ENGINEER I

PREPARED:

GERALDINE R. BARBARONA
ENGINEER

REVIEWED:

JOSE C. GONZALES
ASS. CHIEF, MAINTENANCE SECTION

SUBMITTED:

DAHLIAN DE ASIS
CHIEF, MAINTENANCE SECTION

RECOMMENDED:

VIVIAN C. BIACO
ASST. DISTRICT ENGINEER

APPROVED:

ALVIN A. IGNACIO
DISTRICT ENGINEER

SET No.

R-02
02/11

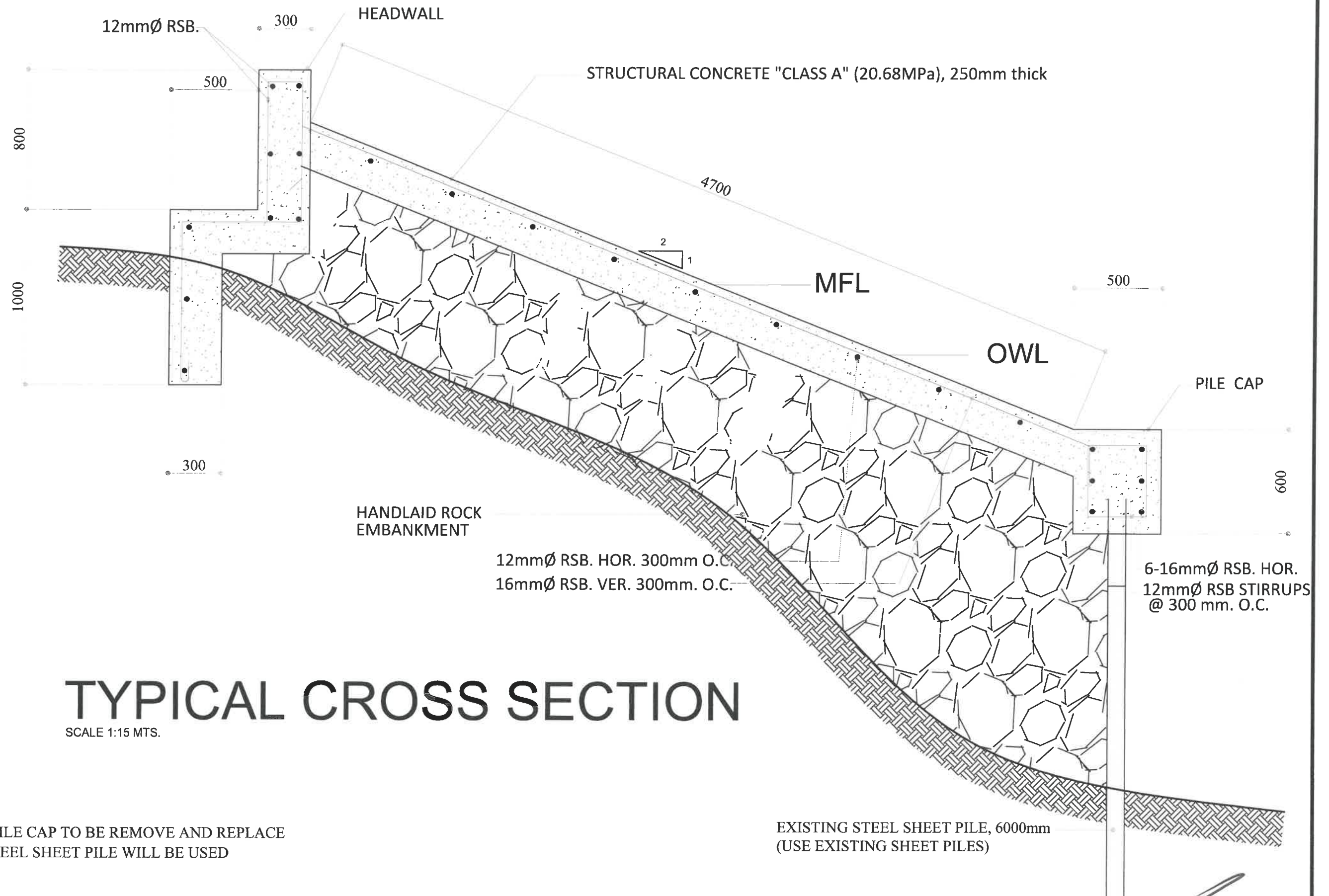
SHEET No.

2
11

SUMMARY OF QUANTITY

ITEM	DESCRIPTION	QUANTITY	UNIT
B.5(1)	PROJECT BILLBOARD/SIGNBOARD(COA STANDARD PROJECT BILLBOARD)	1.00	EACH
B.5(1)	PROJECT BILLBOARD/SIGNBOARD(DPWH STANDARD PROJECT BILLBOARD)	1.00	EACH
B.7(2)	OCCUPATIONAL SAFETY AND HEALTH PROGRAM	1.00	L.S.
B.9	MOBILIZATION / DEMOBILIZATION	1.00	L.S.
101(6)	REMOVAL OF STRUCTURES AND OBSTRUCTION	4.62	Cu.M.
101(3)a3	REMOVAL OF STRUCTURES/OBSTRUCTION 0.23m THICK PCCP (Unreinforced)	27.45	SQ.M
105(1)b	SUBGRADE PREPARATION (EXISTING PAVEMENT)	27.45	SQ.M
200(1)	AGGREGATE SUBBASE COURSE	4.12	Cu.M.
311(1)c1	PORTLAND CEMENT CONCRETE PAVEMENT (UNREINFORCED) 0.23 THK-14 DAYS	27.45	SQ.M
404(1)a	RAINFORCING STEEL, GRADE 40	1,908.29	Kgs.
405(1)a3	STRUCTURAL CONCRETE, (CLASS A-28 days) 20.68 Mpa	57.72	Cu.M
508(1)	HANDLAID ROCK EMBANKMENT	174.76	Cu.M

 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Republic of the Philippines REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION:	SHEET CONTENTS:	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET No.	SHEET No.
	REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3, BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE I) Brgy. Mabolo, Catarman, Northern Samar	SUMMARY OF QUANTITY	KRISTINA A. FERRER ENGINEER I PREPARED: GERALDINE R. BARBARONA ENGINEER	JOSE C. GONZALES ASST. CHIEF, MAINTENANCE SECTION DATE:	DAHLIA T. DE ASIS CHIEF, MAINTENANCE SECTION DATE:	VIVIAN S. BIACO ASST. DISTRICT ENGINEER DATE:	ALVIN A. IGNACIO DISTRICT ENGINEER DATE:	R-03 03/11	3 11



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Catarman, Northern Samar

PROJECT NAME & LOCATION:
REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3,
BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE I)
Brgy. Mabolo, Catarman, Northern Samar

SHEET CONTENTS:
TYPICAL CROSS SECTION

DRAFTED:
KRISTINA A. FERRER
ENGINEER I
PREPARED:
GERALDINE R. BARBARONA
ENGINEER II

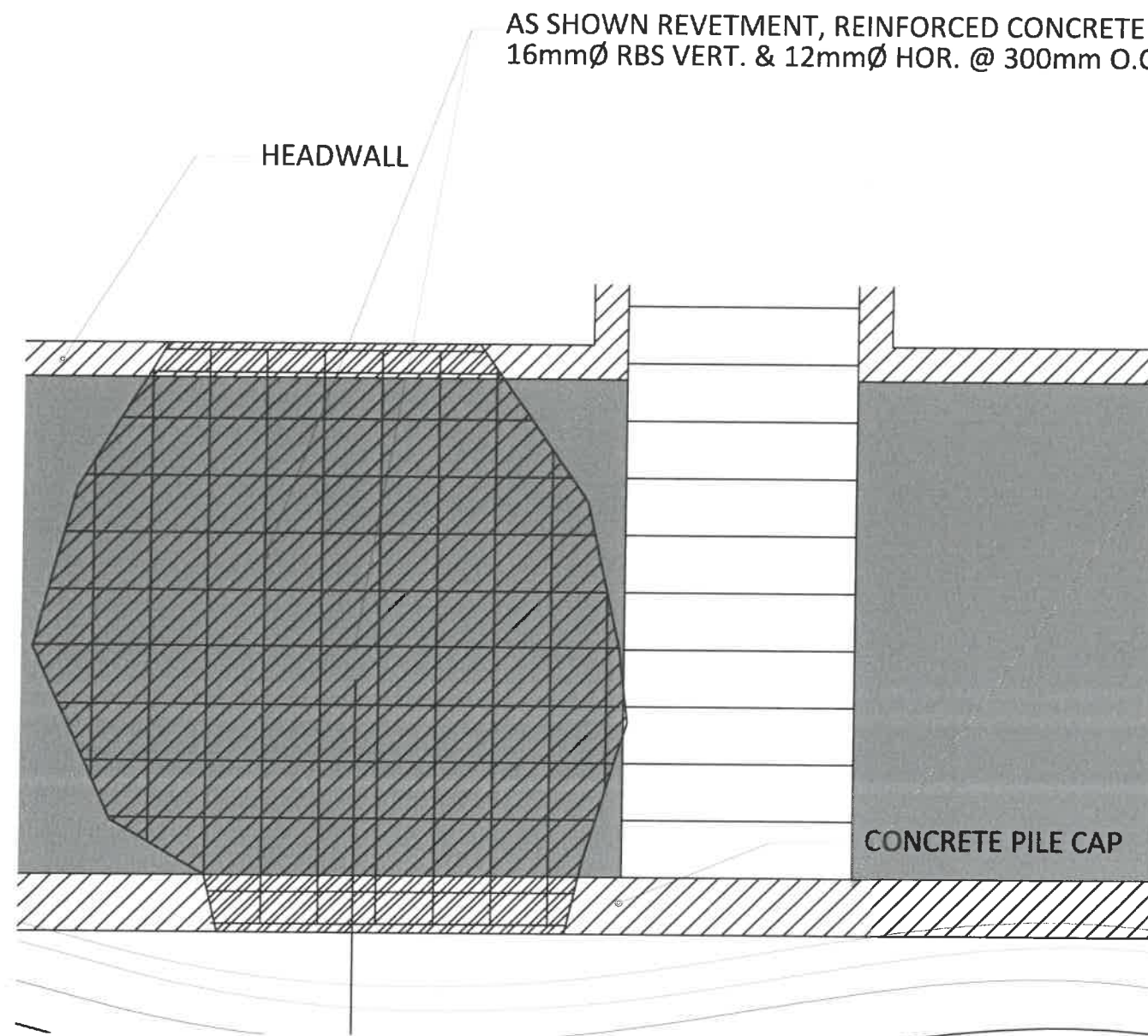
REVIEWED:
JOSE C. GONZALES
DISTRICT CHIEF, MAINTENANCE SECTION
DATE:

SUBMITTED:
DAHLIA I. DE ASIS
CHIEF, MAINTENANCE SECTION
DATE:

RECOMMENDED:
VIVIAN G. BIACO
DISTRICT ENGINEER
DATE:

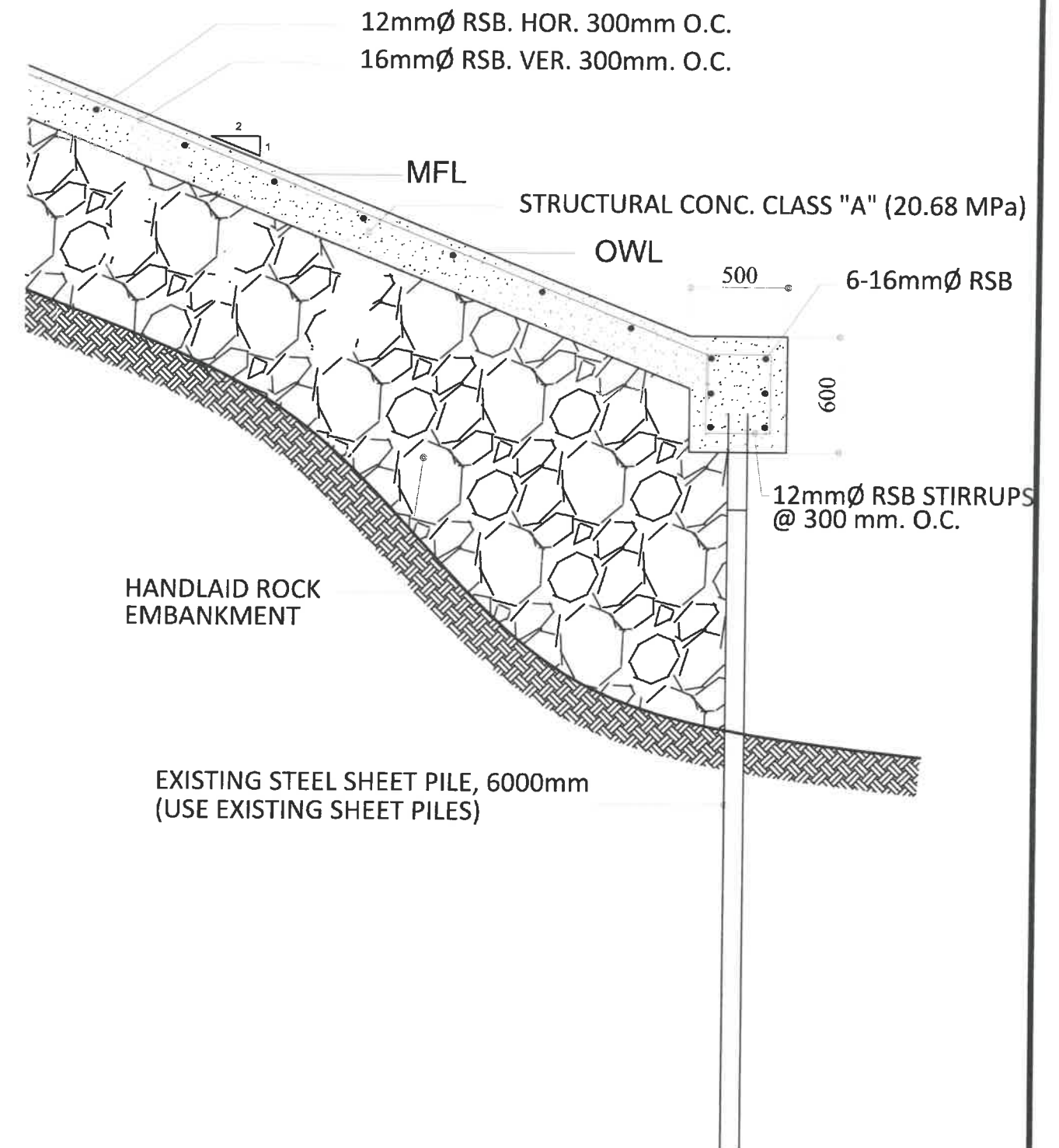
APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
DATE:

SET No. SHEET No.
R-04 **4**
04/11 **11**



WALLING DETAIL OF REVETMENT

SCALE NTS



BLOW-UP DETAIL OF CONCRETE PILE CAP



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataraman, Northern Samar

PROJECT NAME & LOCATION:

REPAIR/MAINTENANCE OF CATARAMAN RIVER REVETMENT 3,
BRGY. MABOLO, CATARAMAN, NORTHERN SAMAR (PHASE I)
Brgy. Mabolo, Cataraman, Northern Samar

SHEET CONTENTS:

WALLING DETAIL OF REVETMENT
BLOW-UP DETAIL OF CONCRETE PILE CAP

DRAFTED:

KRISTINA A. FERRER
ENGINEER I

PREPARED:

GERALDINE R. BARBARONA
ENGINEER

REVIEWED:

JOSE C. GONZALES
ASST. CHIEF, MAINTENANCE SECTION

SUBMITTED:

DAHLIA T. DE ASIS
CHIEF, MAINTENANCE SECTION

RECOMMENDED:

VIVIAN G. BIACO
ASST. DISTRICT ENGINEER

APPROVED:

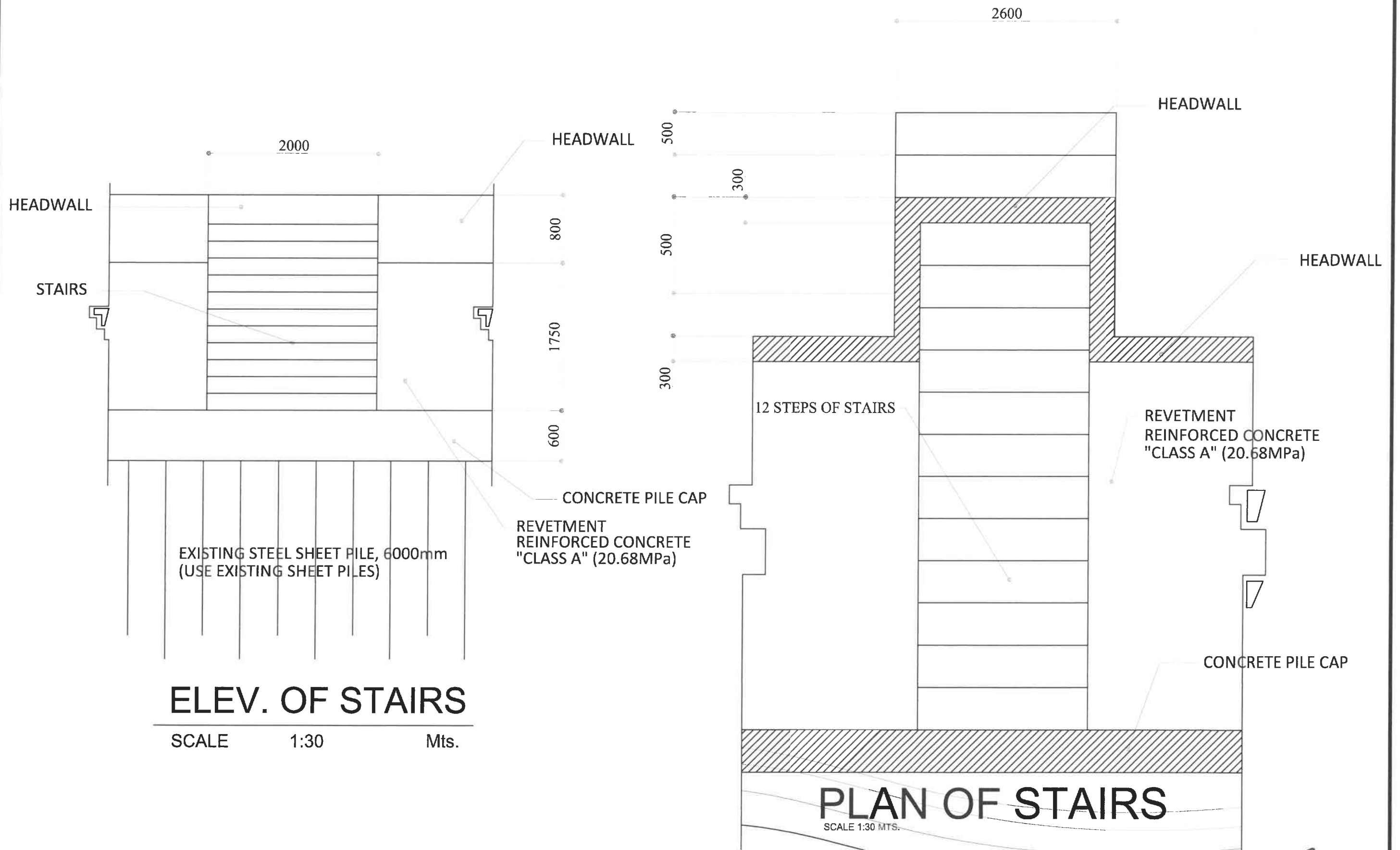
ALVIN A. IGNACIO
DISTRICT ENGINEER

SET No.

R-05
05/11

SHEET No.

5
11



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataraman, Northern Samar

PROJECT NAME & LOCATION:

REPAIR/MAINTENANCE OF CATARAMAN RIVER REVTMENT 3,
BRGY. MABOLO, CATARAMAN, NORTHERN SAMAR (PHASE I)

Brgy. Mabolo, Cataraman, Northern Samar

SHEET CONTENTS:

ELEVATION OF STAIRS
PLAN OF STAIRS

DRAFTED:

KRISTINA A. FERRER
ENGINEER I

PREPARED:

GERALDINE R. BARBARONA
ENGINEER II

REVIEWED:

JOSE C. GONZALES
ASST. CHIEF, MAINTENANCE SECTION

SUBMITTED:

DAHLIA T. DE ASIS
CHIEF, MAINTENANCE SECTION

RECOMMENDED:

VIVIAN G. BIACO
ASST. DISTRICT ENGINEER

APPROVED:

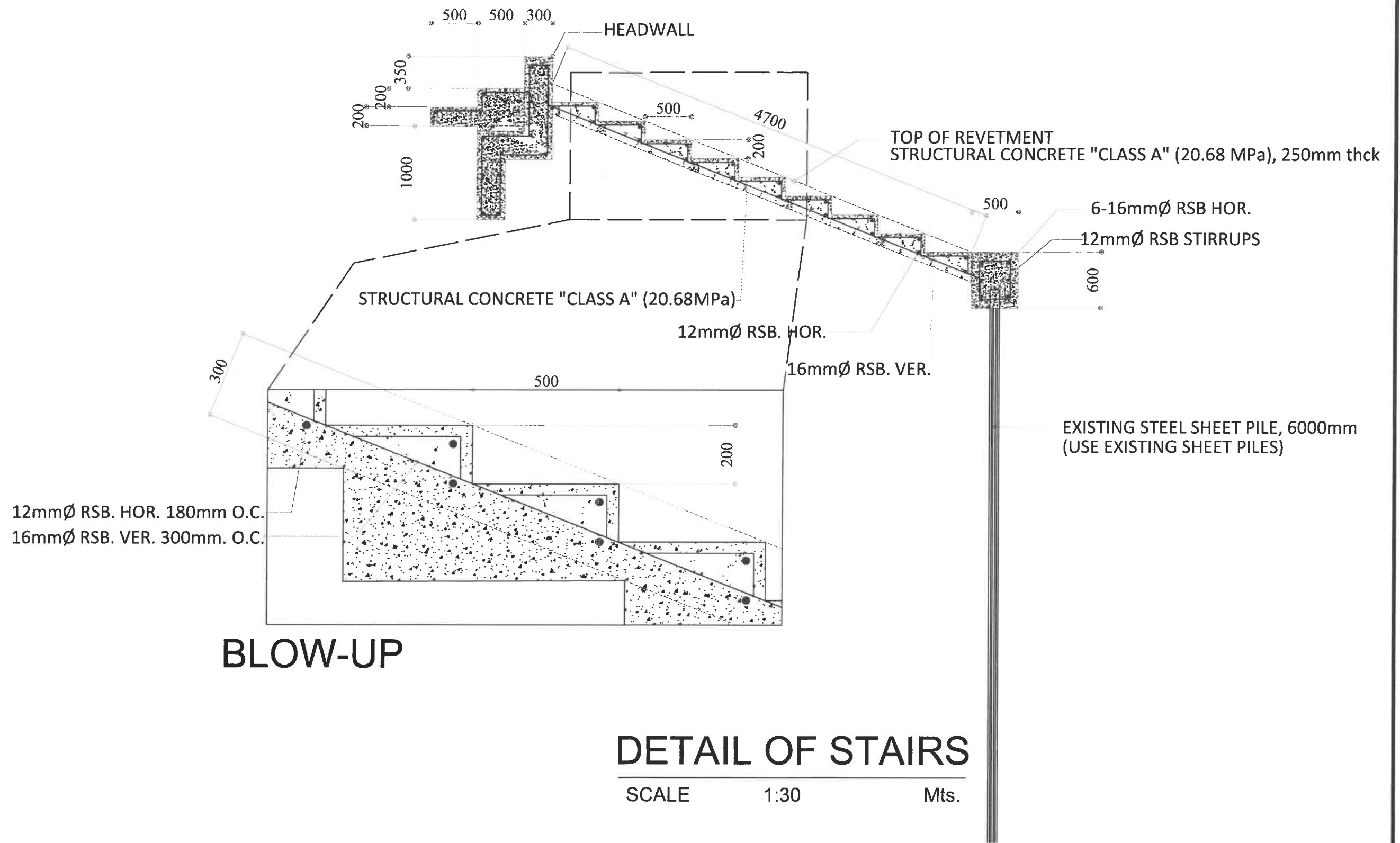
ALVIN A. IGNACIO
DISTRICT ENGINEER

SET No.

R-06
06/11

SHEET No.

6
11



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE No. VIII
 NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
 Catarman, Northern Samar

PROJECT NAME & LOCATION:
 REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3,
 BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE I)
 Brgy. Mabolo, Catarman, Northern Samar

SHEET CONTENTS:
 BLOW-UP
 DETAIL OF STAIRS

DRAFTED:
KRISTINA A. FERRER
 ENGINEER I
 PREPARED:
GERALDINE B. BARBARONA
 ENGINEER II

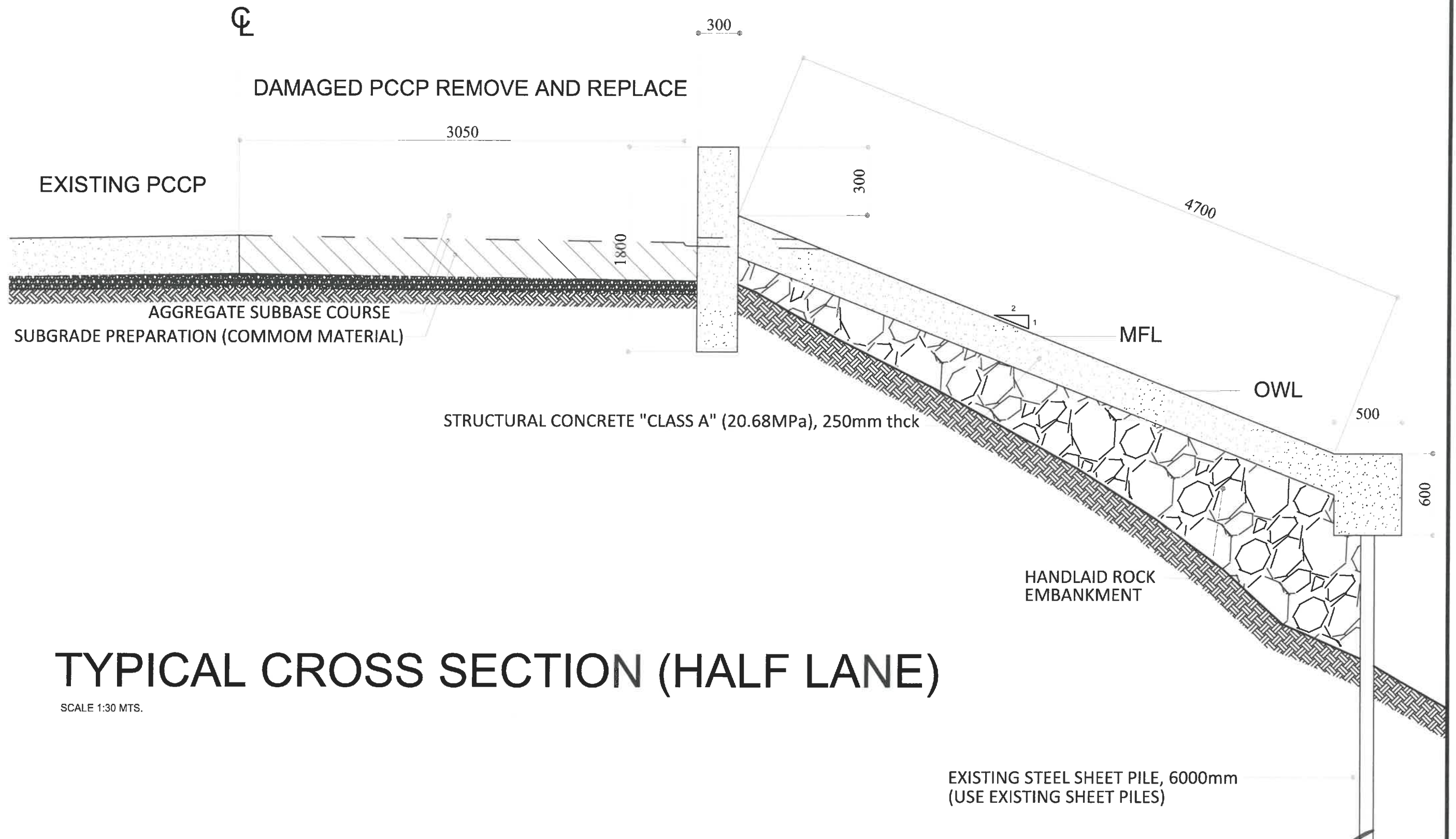
REVIEWED:
JOSE C. GONZALES
 ASST. CHIEF, MAINTENANCE SECTION
 DATE:

SUBMITTED:
DAHLIA T. DE ASIS
 CHIEF, MAINTENANCE SECTION
 DATE:

RECOMMENDED:
VIVIAN L. BIACO
 ASST. DISTRICT ENGINEER
 DATE:

APPROVED:
ALVIN A. IGNACIO
 DISTRICT ENGINEER
 DATE:

SET No. SHEET No.
R-07 **7**
07/11 **11**

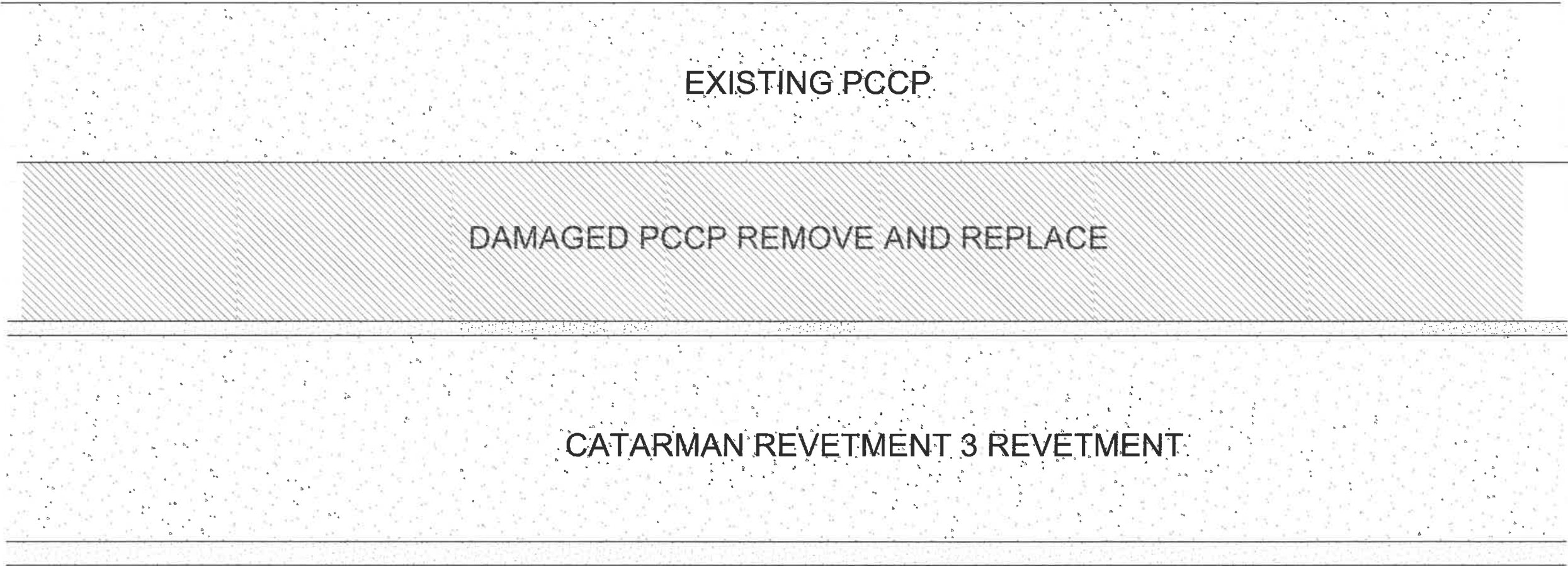


TYPICAL CROSS SECTION (HALF LANE)

SCALE 1:30 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION:	SHEET CONTENTS:	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET No.	SHEET No.
	REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3, BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE 1)	TYPICAL CROSS SECTION (HALF LANE)	KRISTINA A. FERRER ENGINEER I						
	Brgy. Mabolo, Catarman, Northern Samar		PREPARED: GERALDINE R. BARBARONA ENGINEER II	JOSE C. GONZALES ASST. CHIEF, MAINTENANCE SECTION DATE: _____	DAHLIA T. DE ASIS CHIEF MAINTENANCE SECTION DATE: _____	VIVIAN C. BIACO ASST. DISTRICT ENGINEER DATE: _____	ALVIN A. IGNACIO DISTRICT ENGINEER DATE: _____	R-08 08/11	8 11

9000



STRAIGHT LINE DIAGRAM

SCALE: NTS

 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Republic of the Philippines REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: REPAIR/MAINTENANCE OF CATARMAN RIVER REVETMENT 3, BRGY. MABOLO, CATARMAN, NORTHERN SAMAR (PHASE I) Brgy. Mabolo, Catarman, Northern Samar	SHEET CONTENTS: STRAIGHT LINE DIAGRAM	DRAFTED: KRISTINA A. FERRER ENGINEER I PREPARED: GERALDINE R. BARBARONA ENGINEER II	REVIEWED:  JOSE C. GONZALES ASST. CHIEF, MAINTENANCE SECTION DATE:	SUBMITTED:  DAHLIA T. DE ASIS CHIEF, MAINTENANCE SECTION DATE:	RECOMMENDED:  VIVIAN G. DIACO ASST. DISTRICT ENGINEER DATE:	APPROVED:  ALVIN A. IGNACIO DISTRICT ENGINEER DATE:	SET No. R-09 09/11	SHEET No. 9 11
--	--	---	--	---	---	--	--	---------------------------------	-----------------------------



Government Center Candahug, Palo,
Leyte

Project : _____ Cost : _____

Location : _____ Fund Source/s : _____

Implementing Agency/ies: _____

Development Partner/s : _____

Contractor/Supplier : _____

Brief Description of Project : _____

Project Details :				Project Status			
Project Date		Target Date of Completion		Percentage of Completion		Date Completed	
Duration	Started	Target Date of Completion	Percentage of Completion	As of (Date)	Cost Incurred to Date	Date Completed	Remarks

For particulars or complaints about this project, please contact the Regional Office or Cluster which has audit jurisdiction on this project :

COA Regional Office No./Cluster : _____

Address : _____

Contact No. : _____ or Text COA Citizen's Desk at 0915-5391957

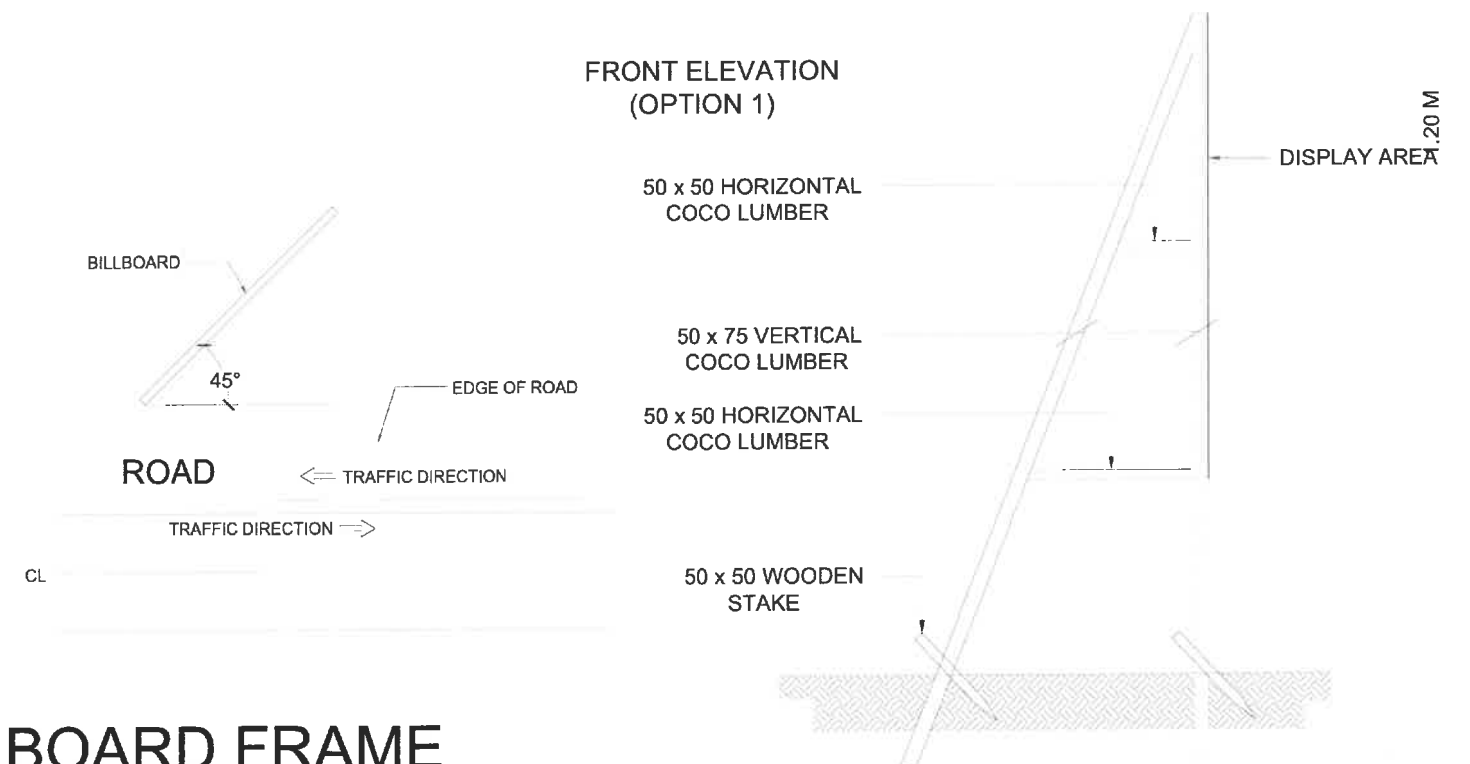
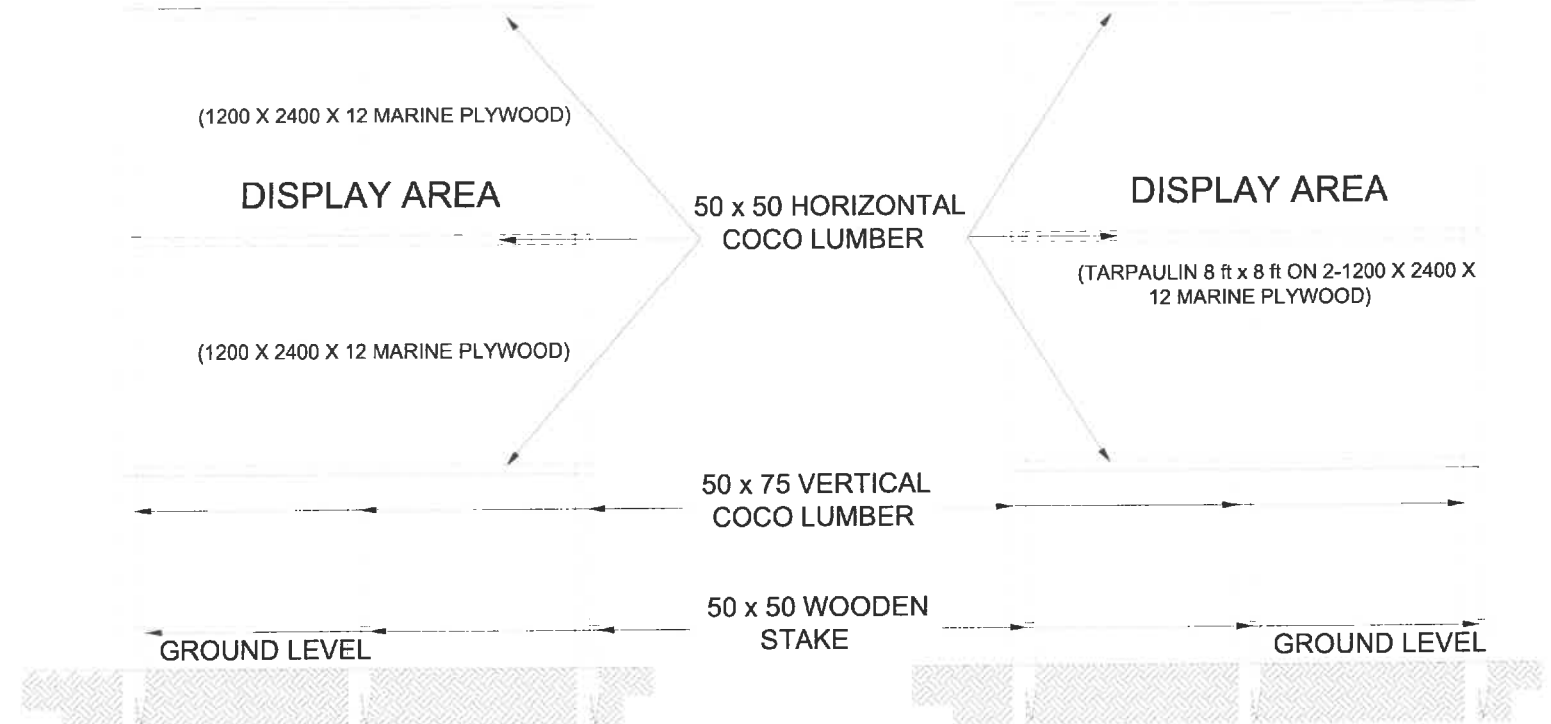
COA STANDARD PROJECT BILLBOARD

SPECIFICATIONS:

1. TARPAULIN, WHITE, 8 FT X 8 FT
2. RESOLUTION : 70 DPI
3. FONT : HELVETICA
4. FONT SIZE : MAIN INFORMATION - 3"
SUB-INFORMATION - 1"
5. FONT COLOR: BLACK
6. BACKGROUND COLOR: WHITE

COA BILLBOARD FRAME

(NOT TO SCALE, ALL DIMENSIONS ARE IN METERS)



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataraman, Northern Samar

PROJECT NAME & LOCATION:
REPAIR/MAINTENANCE OF CATARAMAN RIVER REVETMENT 3,
BRGY. MABOLO, CATARAMAN, NORTHERN SAMAR (PHASE I)
Brgy. Mabolo, Cataraman, Northern Samar

SHEET CONTENTS:
COA BILLBOARD FRAME

DRAFTED:
KRISTINA A. FERRER
ENGINEER I
PREPARED:
GERALDINE R. BARBARONA
ENGINEER II

REVIEWED:
JOSE C. GONZALES
ASST. CHIEF, MAINTENANCE SECTION
DATE: _____

SUBMITTED:
DAHLIA T. DE ASIS
CHIEF, MAINTENANCE SECTION
DATE: _____

RECOMMENDED:
VIVIANE BIACO
ASST. DISTRICT ENGINEER
DATE: _____

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
DATE: _____

SET No. **R-11**
SHEET No. **11**