



Republic of the Philippines  
**DEPARTMENT OF AGRICULTURE**  
Regional Field Office No. 5  
San Agustin, Pili, Camarines Sur 4418

**Title: Labor and Materials for the Rehabilitation & Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024**

**ABC: Php 8,910,000.00**

**[09-INFRA-RICE-2024]**

**Sixth Edition**

**November 27, 2023**

# TABLE OF CONTENTS

<b>GLOSSARY OF .....</b>	<b>4</b>
<b>TERMS, ABBREVIATIONS, AND ACRONYMS .....</b>	<b>4</b>
<b>SECTION I. INVITATION TO BID .....</b>	<b>7</b>
<b>SECTION II. INSTRUCTIONS TO BIDDERS.....</b>	<b>10</b>
1. Scope of Bid .....	11
2. Funding Information.....	11
3. Bidding Requirements.....	11
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices.....	11
5. Eligible Bidders.....	12
6. Origin of Associated Goods .....	12
7. Subcontracts.....	12
8. Pre-Bid Conference .....	12
9. Clarification and Amendment of Bidding Documents.....	12
10. Documents Comprising the Bid: Eligibility and Technical Components.....	12
11. Documents Comprising the Bid: Financial Component.....	13
12. Alternative Bids .....	13
13. Bid Prices .....	13
14. Bid and Payment Currencies.....	14
15. Bid Security.....	14
16. Sealing and Marking of Bids .....	14
17. Deadline for Submission of Bids.....	15
18. Opening and Preliminary Examination of Bids.....	15
19. Detailed Evaluation and Comparison of Bids.....	15
20. Post Qualification.....	15
21. Signing of the Contract.....	16
<b>SECTION III. BID DATA SHEET .....</b>	<b>17</b>
<b>SECTION IV. GENERAL CONDITIONS OF CONTRACT .....</b>	<b>21</b>
1. Scope of Contract .....	22
2. Sectional Completion of Works.....	22
3. Possession of Site.....	22
4. The Contractor's Obligations.....	22
5. Performance Security .....	23

6.	Site Investigation Reports .....	23
7.	Warranty .....	23
8.	Liability of the Contractor.....	23
9.	Termination for Other Causes .....	23
10.	Day works.....	24
11.	Program of Work.....	24
12.	Instructions, Inspections and Audits.....	24
13.	Advance Payment .....	24
14.	Progress Payments.....	24
15.	Operating and Maintenance Manuals .....	24
<b>SECTION V. SPECIAL CONDITIONS OF CONTRACT .....</b>		<b>26</b>
<b>SECTION VI. SPECIFICATIONS .....</b>		<b>29</b>
<b>SECTION VII. DRAWINGS .....</b>		<b>30</b>
<b>SECTION VIII. BILL OF QUANTITIES.....</b>		<b>31</b>
<b>SECTION IX. CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS.....</b>		<b>32</b>

# ***Glossary of Terms, Abbreviations, and Acronyms***

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**Contractor** – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

**Foreign-funded Procurement or Foreign-Assisted Project** –Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**GFI** – Government Financial Institution.

**GOCC** –Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** – Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the

agency which shall be consolidated in the procuring entity's Annual Procurement Plan.  
(GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.

***Section I. Invitation to Bid***



**INVITATION TO BID**  
**Labor and Materials for the Rehabilitation & Improvement of Alegria and**  
**Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation**  
**under Rice Program 2024**

1. The **Department of Agriculture Regional Field Office No. 5**, through the National Expenditure Program (NEP) for FY 2024- RICE intends to apply the sum of **Eight Million Nine Hundred Ten Thousand Pesos (Php 8,910,000.00)** being the ABC to payments under the contract for **ITB No. 09-INFRA-RICE-2024**.

Bids received in excess of the ABC shall be automatically rejected at bid opening.  
**Partial bid is NOT ALLOWED.**

2. The **Department of Agriculture Regional Field Office No. 5** now invites bids for the following:

Description	Location of Projects	Specifications	Unit Cost	Completion of Works
<i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i>	<b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul>	2,970,000.00	68 calendar days upon receipt of NTP
	<b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b>		5,940,000.00	116 calendar days upon receipt of NTP

3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “pass/fail” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested Bidders may obtain further information from **DA RFO 5** and inspect the Bidding Documents at the address given below during **Mondays – Fridays, 8:00 AM to 5:00 PM except for Holidays, Saturdays and Sundays**.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **November 27 – December 18, 2023 (1:00 PM)** from the given address and website(s) below and upon payment of the applicable fee for the Bidding



Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Ten Thousand Pesos (₱10,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees.

6. The **DA RFO 5** will hold a **Pre-Bid Conference on December 6, 2023; 10:00 AM at Sta. Catalina Hall (3<sup>rd</sup> Floor), Operations Building DA RFO 5, San Agustin, Pili, Camarines Sur**, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **December 18, 2023; 1:00 PM**. **Late bids shall not be accepted.**
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. **Bid opening shall be on December 18, 2023; 1:30 PM at the given address below at Sta. Catalina Hall (3<sup>rd</sup> Floor), Operations Building DA RFO 5, San Agustin, Pili, Camarines Sur** and/or through teleconferencing/webcasting via ZOOM. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. In case of a tie Bid, the BAC will conduct the Guidelines on the Use of Non-Discretionary / Non-Discriminatory Selection criteria as Tie Breaking Method thru DRAW LOTS in case of two or more Bidders are determined and declared as the Lowest Calculated and Responsive Bidder (LCRB) (GPPB CIRCULAR NO.06-2005)
11. The **DA RFO 5** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

BAC Secretariat Office

**Department of Agriculture, Regional Field Office No. 5**

San Agustin, Pili, Camarines Sur 4418

Email Address: [bacrfo5@gmail.com](mailto:bacrfo5@gmail.com)

For Downloading of Bidding Documents: <https://bicol.da.gov.ph>

**November 24, 2023**, San Agustin, Pili, Camarines Sur

**LORENZO L. ALVINA**

Chief, Integrated Laboratory Division  
Chairman, Bids and Award Committee

## ***Section II. Instructions to Bidders***

## 1. Scope of Bid

**The Procuring Entity, Department of Agriculture Regional Field Office No. 5 Invites Bids for the Labor and Materials for the Rehabilitation & Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024 with Project Identification Number 09-INFRA-RICE-2024.**

The Procurement Project (referred to herein as “Project”) is composed of **One (1) LOT**, the details of which are described in Section VII (Technical Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below **National Expenditure Program (NEP) for FY 2024 Rice Program** in the amount of **Eight Million Nine Hundred Ten Thousand Pesos (Php 8,910,000.00).**

a. The source of funding is NGA, the National Expenditure Program

## 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## 4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## 5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. **The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC in the total amount of Php 4,455,000.00.**

A contract is considered to be “similar” to the contract to be bid if it has the major categories of work stated in the **BDS**.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

## 6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

## 7. Subcontracts

The Procuring Entity has prescribed that Subcontracting is not allowed.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at **DA RFO 5, San Agustin, Pili, Camarines Sur** and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## 10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

## **11. Documents Comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Alternative Bids**

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

## **13. Bid Prices**

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA

and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

#### 14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. Payment of the contract price shall be made in:
  - a. Philippine Pesos.

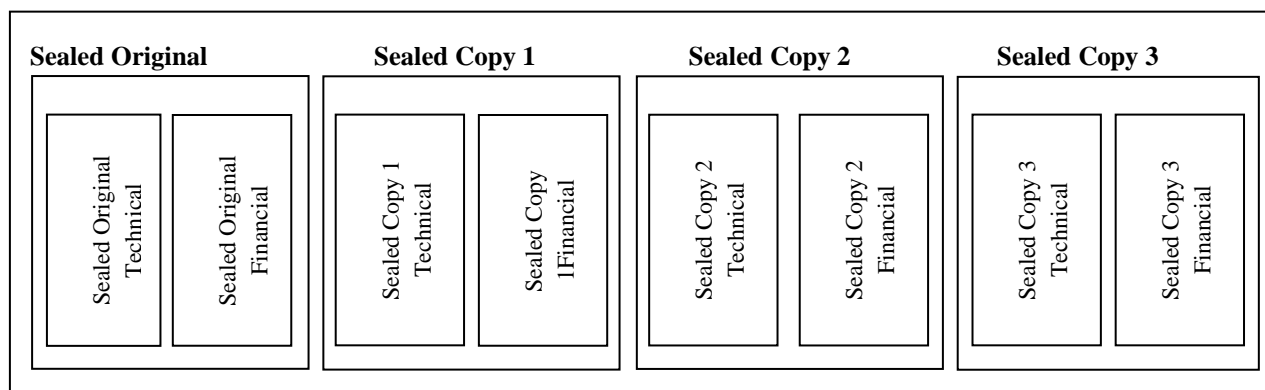
#### 15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **April 16, 2024**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

#### 16. Sealing and Marking of Bids

**Each Bidder shall submit one (1) copy of the Original and three (3) copies copy of the first and second components of its Bid.**

**Sealed Original, Copy 1, Copy 2 & 3 in one (1) Single Envelope**



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

**Additional instructions:** All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson**.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

## **17. Deadline for Submission of Bids**

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **18. Opening and Preliminary Examination of Bids**

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

## **20. Post Qualification**

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.



### ***Section III. Bid Data Sheet***

# Bid Data Sheet

<b>ITB Clause</b>																						
5.2	<p>For this purpose, contracts similar to the Project shall be:</p> <p><i>a. Diversion Dam</i></p> <p><i>b. Completed within <b>Five (5) years</b> prior to the deadline for the submission and receipt of bids.</i></p>																					
7.1	<p><i>No portion of the contract shall be subcontracted.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Description</th> <th style="width: 25%;">Location of Projects</th> <th style="width: 25%;">Specifications</th> <th style="width: 10%;">Unit Cost</th> <th style="width: 15%;">Completion of Works</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="vertical-align: top;"><i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i></td> <td style="text-align: center;"><b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b></td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> </ul> </td> <td style="text-align: center;">2,970,000.00</td> <td style="text-align: center;">68 calendar days upon receipt of NTP</td> </tr> <tr> <td style="text-align: center;"><b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b></td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul> </td> <td style="text-align: center;">5,940,000.00</td> <td style="text-align: center;">116 calendar days upon receipt of NTP</td> </tr> </tbody> </table>				Description	Location of Projects	Specifications	Unit Cost	Completion of Works	<i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i>	<b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> </ul>	2,970,000.00	68 calendar days upon receipt of NTP	<b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul>	5,940,000.00	116 calendar days upon receipt of NTP				
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	<p>6. Skilled and Common Labor</p> <p><b>SF 46 must be Notarized</b> <b>SF 47</b></p>																																
10.5	<p>The minimum major equipment requirements are the following:</p> <p><b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b></p> <table border="1" data-bbox="300 483 1195 788"> <thead> <tr> <th>Equipment</th> <th>Number of Units</th> </tr> </thead> <tbody> <tr> <td>Hand tools</td> <td>1 lot</td> </tr> <tr> <td>One-bagger mixer</td> <td>1 unit</td> </tr> <tr> <td>Concrete vibrator</td> <td>1 unit</td> </tr> <tr> <td>Dump Truck</td> <td>1 unit</td> </tr> <tr> <td>Water Pump</td> <td>1 unit</td> </tr> <tr> <td>Bar Cutter</td> <td>1 unit</td> </tr> <tr> <td>Bar Bender</td> <td>1 unit</td> </tr> </tbody> </table> <p><b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b></p> <table border="1" data-bbox="300 864 1195 1171"> <thead> <tr> <th>Equipment</th> <th>Number of Units</th> </tr> </thead> <tbody> <tr> <td>Hand tools</td> <td>1 lot</td> </tr> <tr> <td>One-bagger mixer</td> <td>1 unit</td> </tr> <tr> <td>Concrete vibrator</td> <td>1 unit</td> </tr> <tr> <td>Dump Truck</td> <td>1 unit</td> </tr> <tr> <td>Water Pump</td> <td>1 unit</td> </tr> <tr> <td>Bar Cutter</td> <td>1 unit</td> </tr> <tr> <td>Bar Bender</td> <td>1 unit</td> </tr> </tbody> </table>	Equipment	Number of Units	Hand tools	1 lot	One-bagger mixer	1 unit	Concrete vibrator	1 unit	Dump Truck	1 unit	Water Pump	1 unit	Bar Cutter	1 unit	Bar Bender	1 unit	Equipment	Number of Units	Hand tools	1 lot	One-bagger mixer	1 unit	Concrete vibrator	1 unit	Dump Truck	1 unit	Water Pump	1 unit	Bar Cutter	1 unit	Bar Bender	1 unit
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12	<p><i>[Insert Value Engineering clause if allowed.]</i></p>																																
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than <b>Php178,200.00</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <b>Php445,500.00</b>, if bid security is in Surety Bond.</p>																																
19.2	<p><b>Partial bid is NOT ALLOWED.</b></p> <table border="1" data-bbox="233 1509 1513 2022"> <thead> <tr> <th>Description</th> <th>Location of Projects</th> <th>Specifications</th> <th>Unit Cost</th> </tr> </thead> <tbody> <tr> <td rowspan="2"><i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i></td> <td><b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b></td> <td rowspan="2"> <ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul> </td> <td>2,970,000.00</td> </tr> <tr> <td><b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b></td> <td>5,940,000.00</td> </tr> </tbody> </table>	Description	Location of Projects	Specifications	Unit Cost	<i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i>	<b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul>	2,970,000.00	<b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b>	5,940,000.00																						
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20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity:</p> <ol style="list-style-type: none"> <li>1. Construction schedule and S-curve</li> <li>2. Manpower schedule</li> <li>3. Construction methods</li> <li>4. Equipment utilization schedule</li> <li>5. Construction safety and health program approved by the Department of Labor and Employment</li> <li>6. PERT/CPM or other acceptable tools of project scheduling.</li> <li>7. Performance Evaluation Report (at least very satisfactory) of Single Largest Completed Contract (SLCC) duly signed by the end-user with the approval of the Director or RTD for government contract and with the approval of the highest-ranking official for private contract.</li> </ol>

## ***Section IV. General Conditions of Contract***

## 1. **Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

## 2. **Sectional Completion of Works**

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

## 3. **Possession of Site**

4.1. The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

4.2. If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

## 4. **The Contractor's Obligations**

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

## **5. Performance Security**

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

## **6. Site Investigation Reports**

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

## **7. Warranty**

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

## **8. Liability of the Contractor**

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## **9. Termination for Other Causes**

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in ITB Clause 4.

## **10. Day works**

Subject to the guidelines on Variation Order in Annex “E” of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Day works rates in the Contractor’s Bid shall be used for small additional amounts of work only when the Procuring Entity’s Representative has given written instructions in advance for additional work to be paid for in that way.

## **11. Program of Work**

11.1. The Contractor shall submit to the Procuring Entity’s Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.

11.2. The Contractor shall submit to the Procuring Entity’s Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

## **12. Instructions, Inspections and Audits**

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

## **13. Advance Payment**

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex “E” of the 2016 revised IRR of RA No. 9184.

## **14. Progress Payments**

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity’s Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

## **15. Operating and Maintenance Manuals**

15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.



- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

## ***Section V. Special Conditions of Contract***

## Special Conditions of Contract

GCC Clause					
2	<b>Description</b>	<b>Location of Projects</b>	<b>Specifications</b>	<b>Unit Cost</b>	<b>Completion of Works</b>
	<i>Labor and Materials for the Rehabilitation &amp; Improvement of Alegria and Catanagan Diversion Dam in Sorsogon (2<sup>nd</sup> District) for Implementation under Rice Program 2024</i>	<b>1.1 Repair &amp; Improvement of Alegria DD, Barcelona, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Provide Materials Testing Procedure, record of test results, material quality control program</li> <li>• Provide Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)</li> </ul>	2,970,000.00	68 calendar days upon receipt of NTP
		<b>1.2 Repair &amp; Improvement of Catanagan DD, Juban, Sorsogon</b>	<ul style="list-style-type: none"> <li>• Should conform to Detailed Engineering Design (DED) and Bill of Quantities Proposal (BOQ)</li> </ul>	5,940,000.00	116 calendar days upon receipt of NTP
4.1	<i>The Intended Completion Date are the ff:</i> <b>1.1</b> Repair & Improvement of Alegria DD, Barcelona, Sorsogon-68 calendar days upon receipt of NTP <b>1.2</b> Repair & Improvement of Catanagan DD, Juban, Sorsogon-116 calendar days upon receipt of NTP				
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>				
7.2	<b><i>In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures: Five (5) years.</i></b>				
10	a. Day works are applicable at the rate shown in the Contractor's original Bid.				
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <b>3 days</b> of delivery of the Notice of Award.				
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .				
13	The amount of the advance payment is 15% of the amount of Notice of Award.				
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.				

15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> . The date by which “as built” drawings are required is <i>[date]</i> .
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

## *Section VI. Specifications*

## ***Section VII. Drawings***

*[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]*

***Section VIII. Bill of Quantities***

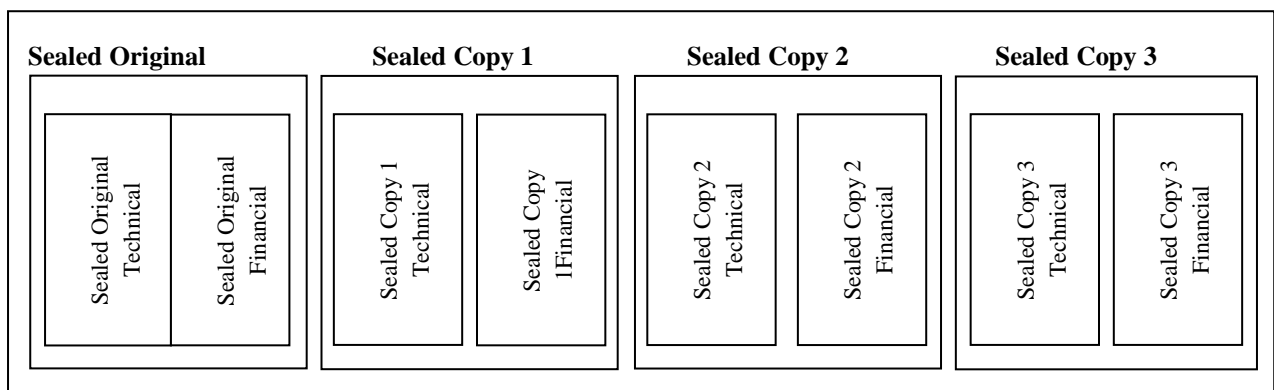
***Section IX. Checklist of Technical and Financial Documents***



# Checklist of Technical and Financial Documents

**Each Bidder shall submit one (1) Original copy of the first and second component of its Bid. The Procuring entity is requesting an additional three (3) hard copies of the bid.**

**Sealed Original, Copy 1, Copy 2& 3 in one (1) Single Envelope**



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

**Additional instructions:** All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson**.

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- (e) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (f) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- (g) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**

- (i) Project Requirements, which shall include the following:
  - a. Organizational chart for the contract to be bid;
  - b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
  - c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- (j) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (k) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

*Class "B" Documents*

- (l) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

**II. FINANCIAL COMPONENT ENVELOPE**

- (m) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- (n) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (o) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- (p) Cash Flow by Quarter.

## ***Section X. Bidding Forms***

**BID FORM**

Date : \_\_\_\_\_  
Project Identification No. : \_\_\_\_\_

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_  
 Legal Capacity: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 \_\_\_\_\_

## **Bid Securing Declaration Form**

***[shall be submitted with the Bid if bidder opts to provide this form of bid security]***

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

### **BID SECURING DECLARATION** **Project Identification No.: *[Insert number]***

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*  
*[Insert signatory's legal capacity]*  
Affiant

### **[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

GPPB Resolution No. 16-2020, dated 16 September 2020

**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

**10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF**, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

***[Jurat]***

*[Format shall be based on the latest Rules on Notarial Practice]*

GPPB Resolution No. 16-2020, dated 16 September 2020

**Performance Securing Declaration (Revised)**  
*[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]*

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_ ) S.S.

**PERFORMANCE SECURING DECLARATION**

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]  
To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

**IN WITNESS WHEREOF**, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS  
AUTHORIZED REPRESENTATIVE]  
[Insert signatory's legal capacity]  
Affiant*

**[Jurat]**  
*[Format shall be based on the latest Rules on Notarial Practice]*

*GPPB Resolution No. 16-2020, dated 16 September 2020*







Republic of the Philippines  
**DEPARTMENT OF AGRICULTURE**  
 Regional Field Unit No. 5  
 San Agustin, Pili, Camarines Sur

**Subject:** **BILL OF QUANTITIES AND COST PROPOSAL (SWIP/DAM)**  
**Project Title:** **Repair and Improvement of Alegria Diversion Dam**  
**Project Location:** Alegria, Barcelona, Sorsogon  
**Appropriation:** **₱2,970,000.00**  
**Source of fund:** RICE 2024

**Classification:** Irrigation Network Services  
**Number of Unit:** 1  
**Net Length:**  
**Project Duration:** 68 C.D.  
**Starting Date:** Upon receipt of NTP

**Scope of Work:** -Delivery of Labor and Materials for the Rehabilitation and Improvement of Diversion Dam Structure  
 -Concreting of Irrigation Canal Extension and Other Irrigation Structure

MINIMUM EQUIPMENT REQUIREMENT			TECHNICAL PERSONNEL REQUIRED		
Description	No.	Description	Description	No.	Description
HANDTOOLS	1 LOT		SAFETY OFFICER	1.00	
ONE-BAGGER MIXER	1 UNIT		FIRST AIDER	2.00	
CONCRETE VIBRATOR	1 UNIT		PROJECT FOREMAN	1.00	
DUMP TRUCK	1 UNIT				
WATER PUMP	1 UNIT				
BAR CUTTER	1 UNIT				
BAR BENDER	1 UNIT				
COST OF PROPOSED WORK					
Item No.	Description	Unit	Quantity	Unit Cost	Total Amount (P)
<b>PART I</b>	<b>GENERAL REQUIREMENTS</b>				
	Construction of Camp, other temporary facilities & movement of equipment	l.s.	1.00		
	PROVISION FOR CONSTRUCTION SAFETY & HEALTH	l.s.	1.00		
	PROJECT BILLBOARD	l.s.	1.00		
	PERMANENT MARKER	l.s.	1.00		
					<i>Sub total</i>
<b>PART II</b>	<b>Irrigation Canal (0.4x0.4) - 734 l.m.</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	146.14		
	Structural Backfill/backfilling	cu.m	73.40		
	Aggregate Sub-base Course	cu.m	51.38		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	4467.24		
	Concrete Class "B" With Forms	cu.m	58.72		
	Concrete Class "B" Without Forms	cu.m	51.38		
	<b>Division Box - 3 set</b>				
	<b>Earth Works</b>				
	Common Excavation - 2.1 cu.m	cu.m	2.10		
	Structural Backfill/backfilling	cu.m	1.05		
	Aggregate Sub-base Course	cu.m	0.30		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	14.58		
	Concrete Class "B" With Forms	cu.m	1.22		
	Fabrication & Installation Slide Gate (0.5m x 0.5m x 0.8m frame height)	assem.	6.00		
					<i>Sub total</i>
	<b>End Check - 3 set</b>				
	<b>Earth Wor</b>				
	Common Excavation	cu.m	1.50		
	Structural Backfill/backfilling	cu.m	0.75		
	Aggregate Sub-base Course	cu.m	0.21		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	7.92		
	Concrete Class "B" With Forms	cu.m	0.66		
	Wooden Flushboard	bd.ft	20.00		
	<b>Turn out Structure - 2 set</b>	set			
	<b>Earth Works</b>				
	Common Excavation	cu.m	1.00		
	Structural Backfill/backfilling	cu.m	0.50		
	Aggregate Sub-base Course	cu.m	0.14		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	5.28		
	Concrete Class "B" With Forms	cu.m	0.44		
					<i>Sub total</i>
	<b>Tractor Crossing - 4 set</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	0.17		
	Structural Backfill/backfilling	cu.m	0.08		
	Aggregate Sub-base Course	cu.m	0.17		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	40.32		
	Concrete Class "B" With Forms	cu.m	3.36		
					<i>Sub total</i>
					<b>TOTAL PROJECT COST</b>

NOTE All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item

NAME AND SIGNATURE OF BIDDER



Republic of the Philippines  
**DEPARTMENT OF AGRICULTURE**  
 Regional Field Unit No. 5  
 San Agustin, Pili, Camarines Sur

**Subject:** **BILL OF QUANTITIES AND COST PROPOSAL (SWIP/DAM)**  
**Project Title:** **REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM**  
**Project Location:** Catanagan, Juban, Sorsogon  
**Appropriation:** **P5,940,000.00**  
**Source of fund :** RICE 2023

**Classification:** Irrigation Network Services  
**Number of Unit:** 1  
**Net Length:**  
**Project Duration:** 116 C.D.  
**Starting Date:** Upon receipt of NTP

**Scope of Work:**  
 -Delivery of Labor and Materials for the Rehabilitation and Improvement of Diversion Dam Structure  
 -Concreting of Irrigation Canal Extension and Other Irrigation Structure

MINIMUM EQUIPMENT REQUIREMENT		TECHNICAL PERSONNEL REQUIRED			
Description	No.	Description	Description	No.	Description
HANDTOOLS	1 LOT		SAFETY OFFICER	1.00	
ONE-BAGGER MIXER	1 UNIT		FIRST AIDER	2.00	
CONCRETE VIBRATOR	1 UNIT		PROJECT FOREMAN	1.00	
DUMP TRUCK	1 UNIT				
WATER PUMP	1 UNIT				
BAR CUTTER	1 UNIT				
BAR BENDDER	1 UNIT				

COST OF PROPOSED WORK					
Item No.	Description	Unit	Quantity	Unit Cost	Total Amount (P)
<b>PART I</b>	<b>GENERAL REQUIRMENTS</b>				
	Construction of Camp, other temporary facilities & movement of equipment	l.s.	1.00		
	PROVISION FOR CONSTRUCTION SAFETY & HEALTH	l.s.	1.00		
	PROJECT BILLBOARD	l.s.	1.00		
	PERMANENT MARKER	l.s.	1.00		
					<i>Sub total</i>
<b>PART II</b>	<b>CIVIL WORKS</b>				
	<b>Irrigation Canal (0.4x0.4) - 1692 Lm.</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	331.89		
	Structural Backfill/backfilling	cu.m	169.17		
	Aggregate Sub-base Course	cu.m	118.44		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	10215.24		
	Concrete Class "B" With Forms	cu.m	135.36		
	Concrete Class "B" Without Forms	cu.m	118.44		
					<i>Sub total</i>
<b>PART III</b>	<b>Division Box - 1 set</b>				
	<b>Earth Works</b>				
	Common Excavation - 0.7 cu.m	cu.m	0.70		
	Structural Backfill/backfilling	cu.m	0.35		
	Aggregate Sub-base Course	cu.m	0.10		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	4.86		
	Concrete Class "B" With Forms	cu.m	0.41		
	Fabrication & Installation Slide Gate (0.5m x 0.5m x 0.8m frame height)	assem.	3.00		
					<i>Sub total</i>
<b>PART IV</b>	<b>End Check - 2 set</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	1.00		
	Structural Backfill/backfilling	cu.m	0.50		
	Aggregate Sub-base Course	cu.m	0.14		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	5.28		
	Concrete Class "B" With Forms	cu.m	0.44		
	Wooden Flushboard	assem.	20.00		
					<i>Sub total</i>

<b>PART V</b>	<b>Turn out Structure - 4 set</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	2.00		
	Structural Backfill/backfilling	cu.m	1.00		
	Aggregate Sub-base Course	cu.m	0.28		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	10.56		
	Concrete Class "B" With Forms	cu.m	0.88		
	Wooden Flushboard	bd.ft	20.00		
					<i>Sub total</i>
<b>PART VI</b>	<b>Tractor Crossing - 6 set</b>				
	<b>Earth Works</b>				
	Common Excavation	cu.m	0.25		
	Structural Backfill/backfilling	cu.m	0.13		
	Aggregate Sub-base Course	cu.m	0.25		
	<b>Reinforce Concrete Works</b>				
	Reinforcing Steel Bars	Kg	60.48		
	Concrete Class "B" With Forms	cu.m	5.04		
					<i>Sub total</i>
					<b>TOTAL PROJECT COST</b>

NOTE All Taxes, contractors profit and hauling costs and delivery are included in unit cost per item

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**NAME AND SIGNATURE OF BIDDER**



**REPUBLIC OF THE PHILIPPINES**

**DEPARTMENT OF AGRICULTURE**

**REGIONAL FIELD UNIT NO.5**

SAN AGUSTIN, PILI, CAMARINES SUR.

**PROJECT TITLE:**

**REPAIR & IMPROVEMENT OF  
CATANAGAN DIVERSION DAM**

**LOCATION: CATANAGAN, JUBAN, SORSOGON**

*PREPARED BY:*

**RAED OFFICE**



x

# SHEET CONTENT :



LOCATION MAP

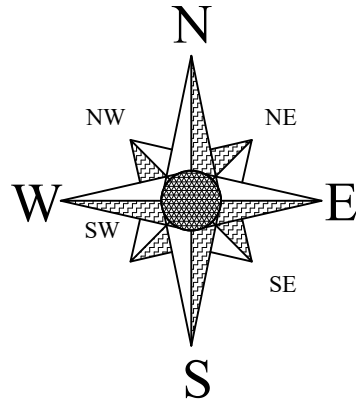
1/10	LOCATION MAP SHEET CONTENT PROJECT PROFILE
2/10	TOPOGRAPHIC MAP & FARM PLAN MAJOR WORKS ITEM
3/10	TYPICAL DET./SEC. OF CONCRETE CANAL(0.4 x 0.4) TYPICAL DET./SEC. OF MACHINERY RAMP ISOMETRIC/END CHECK DETAILS OF (0.4 x 0.4) CANAL ISOMETRIC/DET./SEC. OF TURN OUT STRUCTURE
4/10	PROJECT BILLBOARD EXISTING DIVISION BOX@ STA.0+000 DET./SEC. OF DIVISION BOX@ STA.0+061
5/10	PROFILE ALONG CENTERLINE OF CANAL-A @ STA.0+000 - STA.0+350 PROFILE ALONG CENTERLINE OF CANAL-A @ STA.0+350 - STA.0+700
6/10	PROFILE ALONG CENTERLINE OF CANAL-A @ STA.0+700 - STA.1+050 PROFILE ALONG CENTERLINE OF CANAL-A @ STA.1+050 - STA.1+355
7/10	PROFILE ALONG CENTERLINE OF CANAL-B @ STA.0+063 - STA.0+400 HYDRAULIC ELEMENTS OF PROPOSED CANAL LINING
8/10	TYPICAL DET./SEC. OF CONCRETE CANAL "A" @ STA.0+000 - STA.1+355 (0.4 x 0.4) TYPICAL DET./SEC. OF CONCRETE CANAL "B" @ STA.0+063-STA.0+400 (0.4 x 0.4)
9/10	DETAIL OF RECTANGULAR SLIDE GATE
10/10	NEW CONCRETE MARKER OF RICE PROGRAM PROJECT

1.0 PROJECT FACILITIES IRRIGATION CANAL		
2.0 CONVEYANCE CHANNEL REINFORCE CONCRETE CANAL		
3.0 DESIGN SERVICE AREA AND CROPPING PATTERN		
CROPPING PATTERN	Rice - Rice - Fallow	
DESIGN DISCHARGE (m <sup>3</sup> /sec.)	0.10 m <sup>3</sup> /sec.	
SERVICE AREA (ha)	27 has.	
POTENTIAL SERVICE AREA (ha)	13 has.	
PROJECT COST (Php)	P 6,000,000.00	
SCOPE OF WORK 1 REINFORCE CONCRETE CANAL		
Length	Width	Height
1692 mts.	0.40 m.	0.40 m.



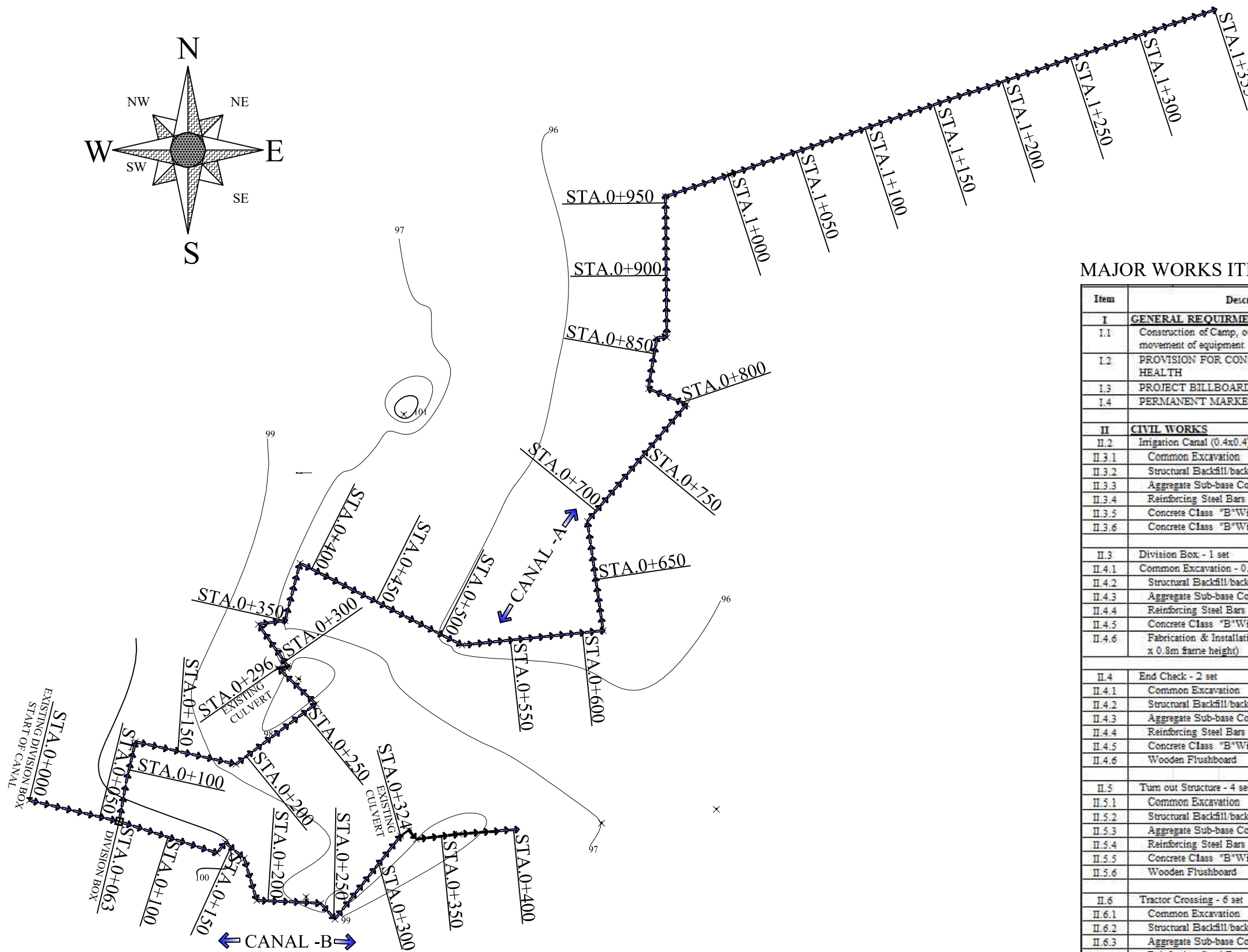
REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
RONALDO A. OROLFO CAD INPUT	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
						Location:	DATE:
						BRGY. CATANAGAN, JUBAN, SORSOGON	
						Sheet Contents:	Sheet No.:
						AS SHOWN	1/10



# LEGEND:

- PROPOSED CONCRETE CANAL LINE
- CONTOUR LINE (1 METER INTERVAL)
- PROPOSED DIVISION BOX
- EXISTING CULVERT

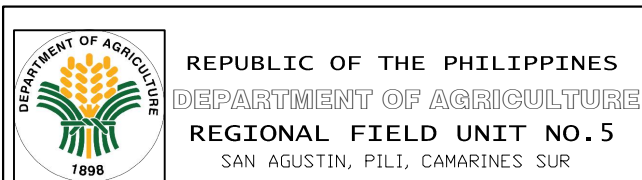


## MAJOR WORKS ITEM:

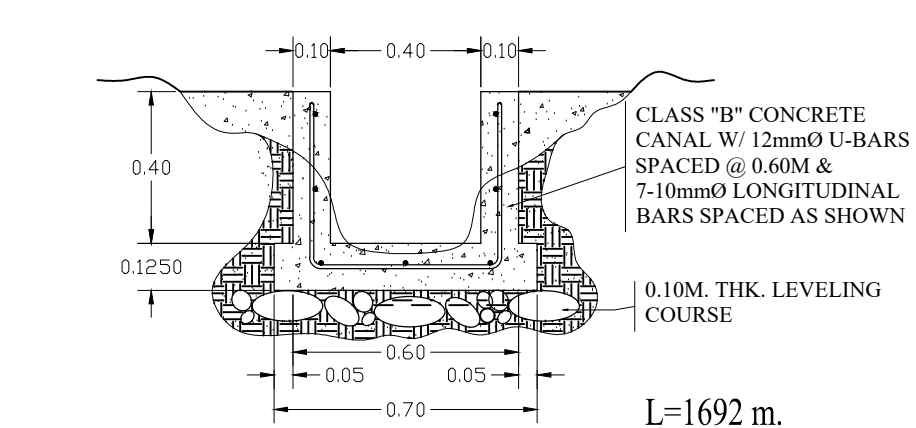
Item	Description	Unit	Quantity
<b>I GENERAL REQUIRMENTS</b>			
I.1	Construction of Camp, other temporary facilities & movement of equipment	l.s.	1.00
I.2	PROVISION FOR CONSTRUCTION SAFETY & HEALTH	l.s.	1.00
I.3	PROJECT BILLBOARD	l.s.	1.00
I.4	PERMANENT MARKER	l.s.	1.00
<b>II CIVIL WORKS</b>			
II.2	Irrigation Canal (0.4x0.4) - 1692 l.m.		1692.00
II.3.1	Common Excavation	cu.m	331.89
II.3.2	Structural Backfill/backfilling	cu.m	169.17
II.3.3	Aggregate Sub-base Course	cu.m	118.44
II.3.4	Reinforcing Steel Bars	Kg	10215.24
II.3.5	Concrete Class "B" With Forms	cu.m	135.36
II.3.6	Concrete Class "B" Without Forms	cu.m	118.44
II.3	Division Box - 1 set		
II.4.1	Common Excavation - 0.7 cu.m	cu.m	0.70
II.4.2	Structural Backfill/backfilling	cu.m	0.35
II.4.3	Aggregate Sub-base Course	cu.m	0.10
II.4.4	Reinforcing Steel Bars	Kg	4.86
II.4.5	Concrete Class "B" With Forms	cu.m	0.41
II.4.6	Fabrication & Installation Slide Gate (0.5m x 0.5m x 0.8m frame height)	assem.	3.00
II.4	End Check - 2 set		
II.4.1	Common Excavation	cu.m	1.00
II.4.2	Structural Backfill/backfilling	cu.m	0.50
II.4.3	Aggregate Sub-base Course	cu.m	0.14
II.4.4	Reinforcing Steel Bars	Kg	5.28
II.4.5	Concrete Class "B" With Forms	cu.m	0.44
II.4.6	Wooden Flushboard	assem.	20.00
II.5	Turn out Structure - 4 set		
II.5.1	Common Excavation	cu.m	2.00
II.5.2	Structural Backfill/backfilling	cu.m	1.00
II.5.3	Aggregate Sub-base Course	cu.m	0.28
II.5.4	Reinforcing Steel Bars	Kg	10.56
II.5.5	Concrete Class "B" With Forms	cu.m	0.88
II.5.6	Wooden Flushboard	bd.ft	20.00
II.6	Tractor Crossing - 6 set		
II.6.1	Common Excavation	cu.m	0.25
II.6.2	Structural Backfill/backfilling	cu.m	0.13
II.6.3	Aggregate Sub-base Course	cu.m	0.25
II.6.4	Reinforcing Steel Bars	Kg	60.48
II.6.5	Concrete Class "B" With Forms	cu.m	5.04

## TOPOGRAPHIC MAP AND FARM PLAN

SCALE 1: 3000 MTS.

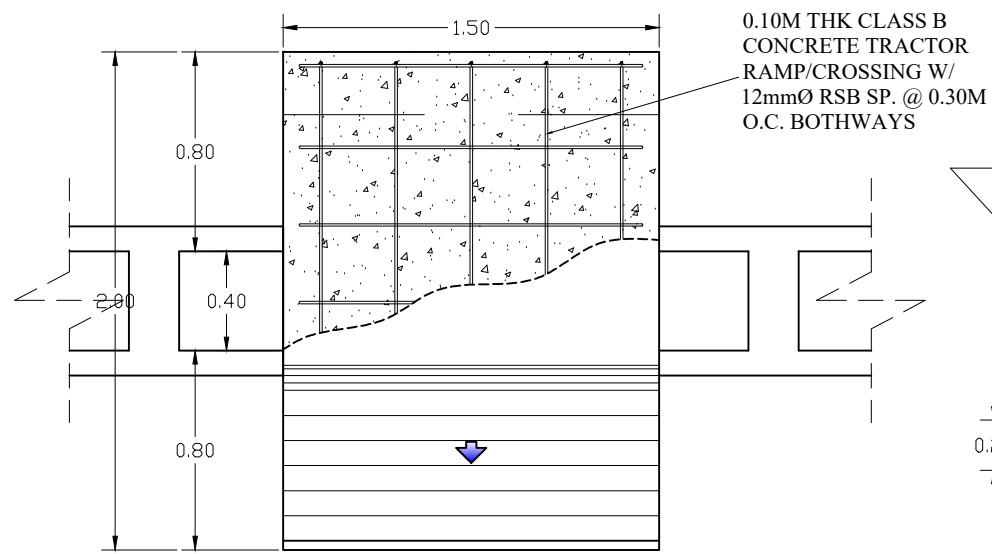


Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
RONALDO A. OROLFO CAD & DESIGN	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
						Location:	DATE:
						BRGY. CATANAGAN, JUBAN, SORSOGON	
						Sheet Contents:	Sheet No.:
						AS SHOWN	2/10



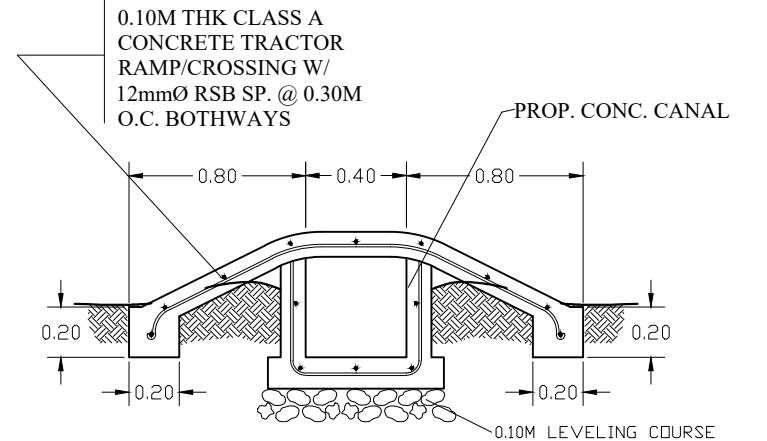
TYPICAL DET./SEC. OF CONCRETE CANAL (0.4x0.4)

SCALE 1: 20 MTS.

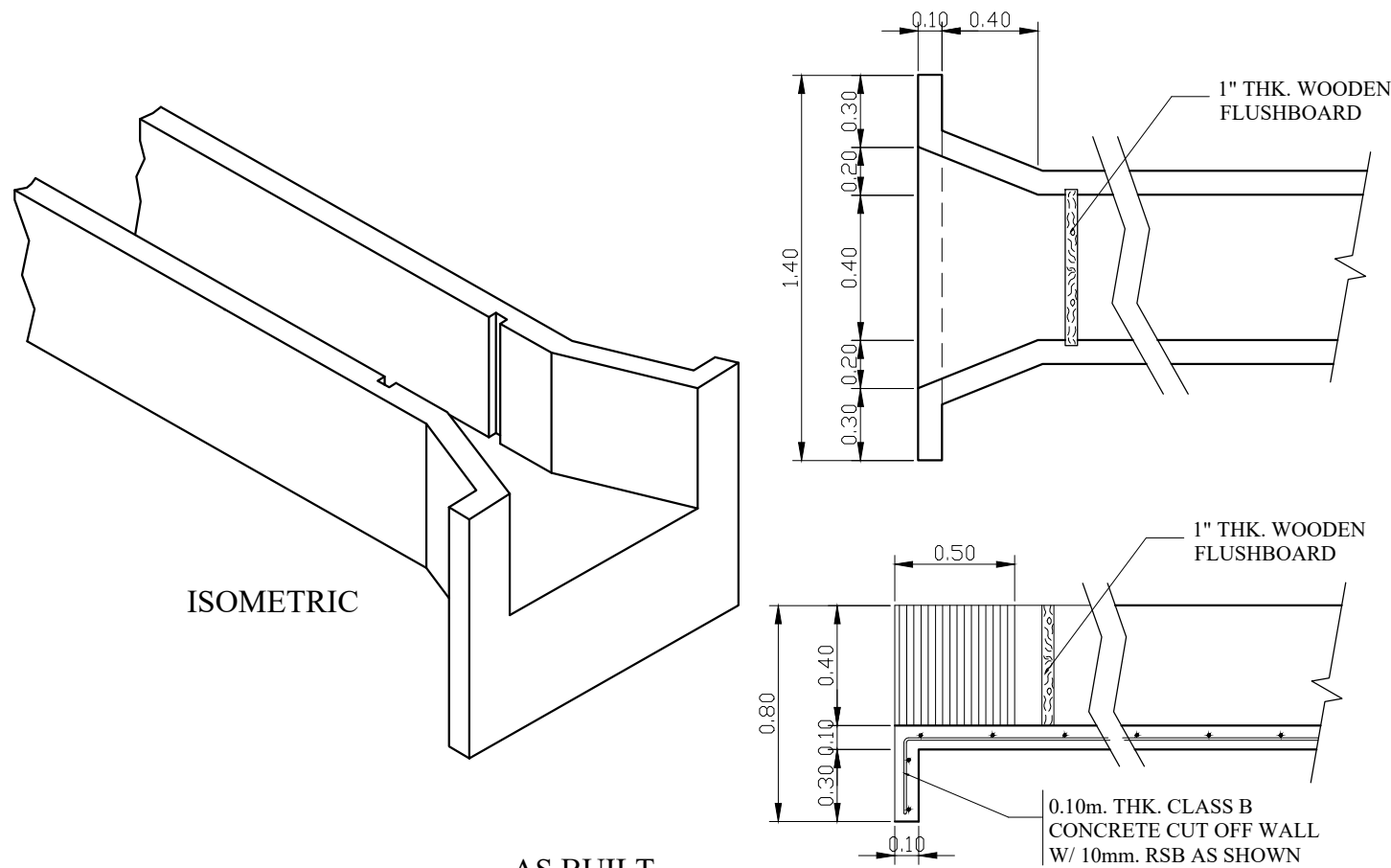


TYPICAL DET./SEC. OF MACHINERY RAMP @ (0.40 x 0.40) m. irrigation canal

SCALE 1: 30 MTS.



6 - set



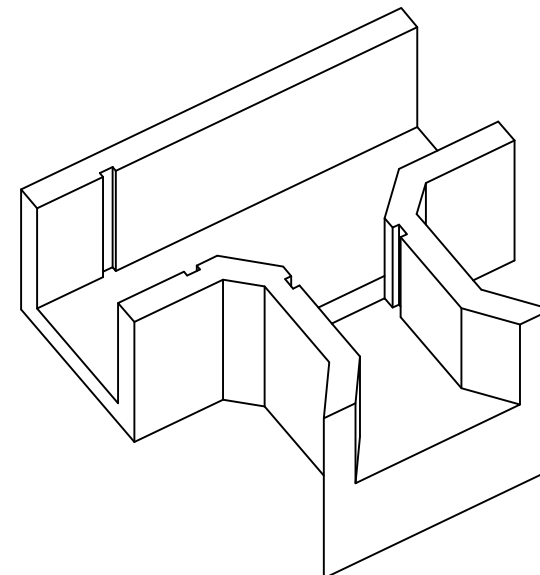
ISOMETRIC

AS BUILT

END CHECK DETAIL

SCALE 1: 30 MTS.

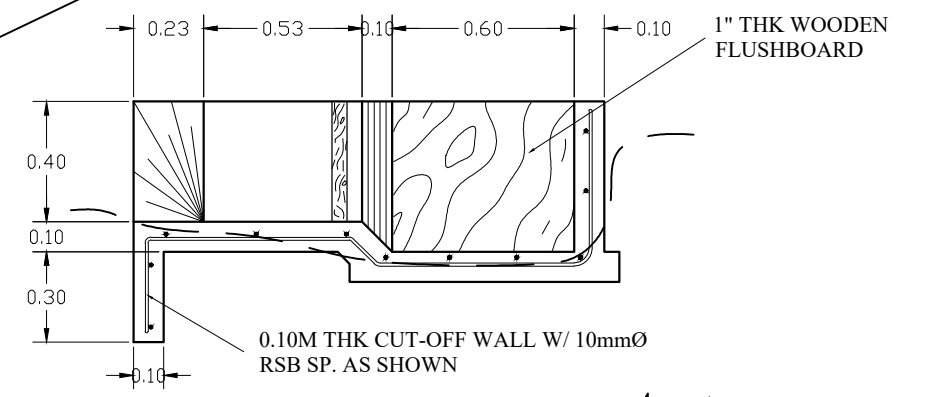
2 - set



ISOMETRIC

DET./SEC. OF TURN OUT STRUCTURE

SCALE 1: 25 MTS.



4 - set



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:
RONALDO A. OROLFO CAD INPUT	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director

Name of Project:	CAD by:
REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
Location:	DATE:
BRGY. CATANAGAN, JUBAN, SORSOGON	
Sheet Contents:	Sheet No.:
AS SHOWN	3/10



2.44

DEPARTMENT OF AGRICULTURE  
Regional Field Office No. 5  
San Agustin, Pili, Camarines Sur

Project: \_\_\_\_\_  
 Cost: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Fund Source/s: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Brief Description of Project: \_\_\_\_\_

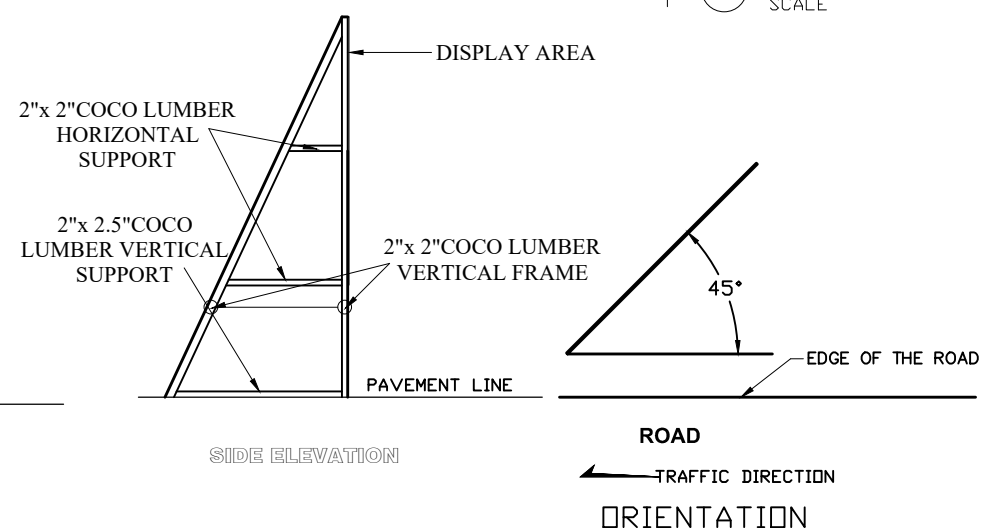
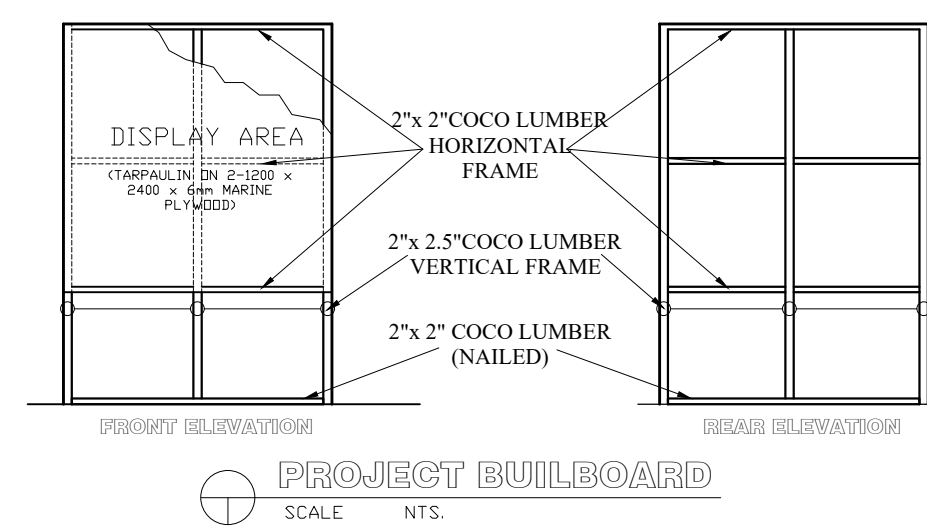
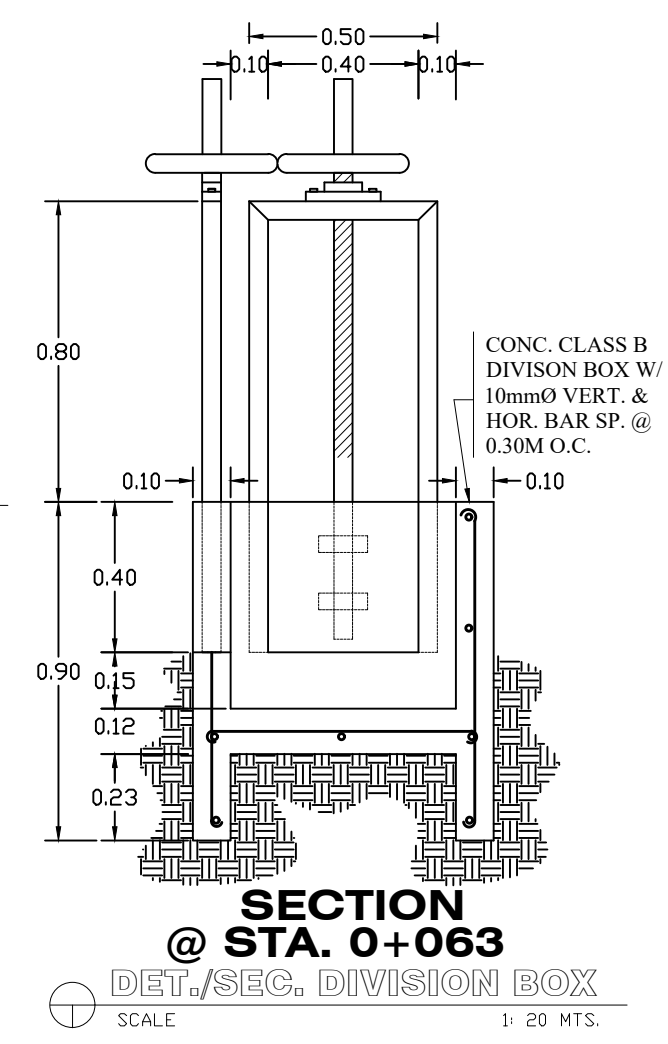
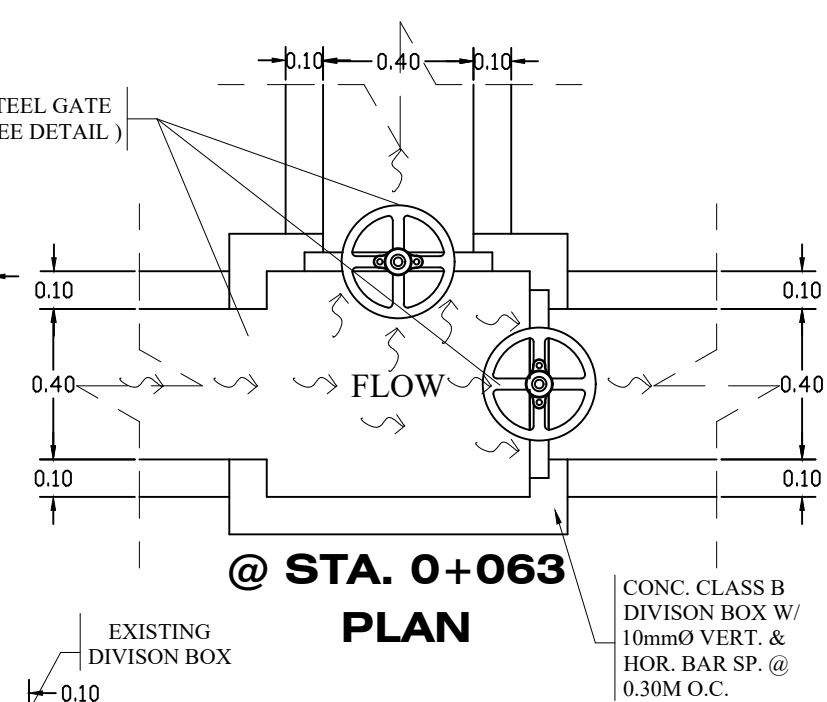
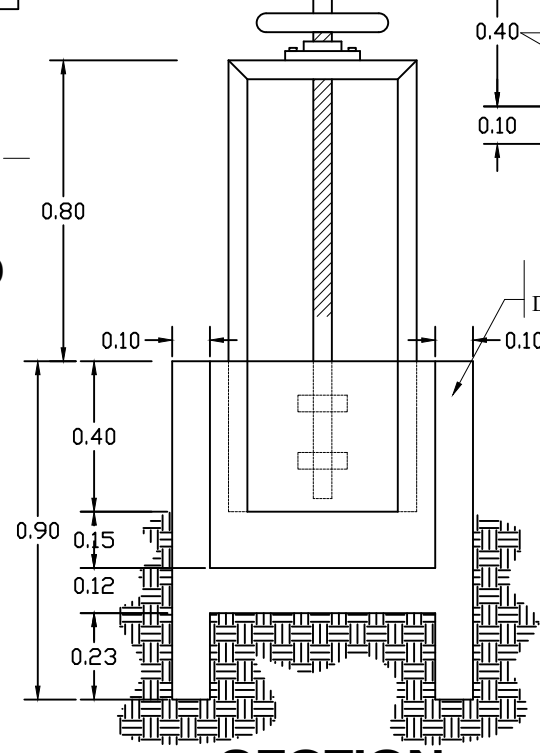
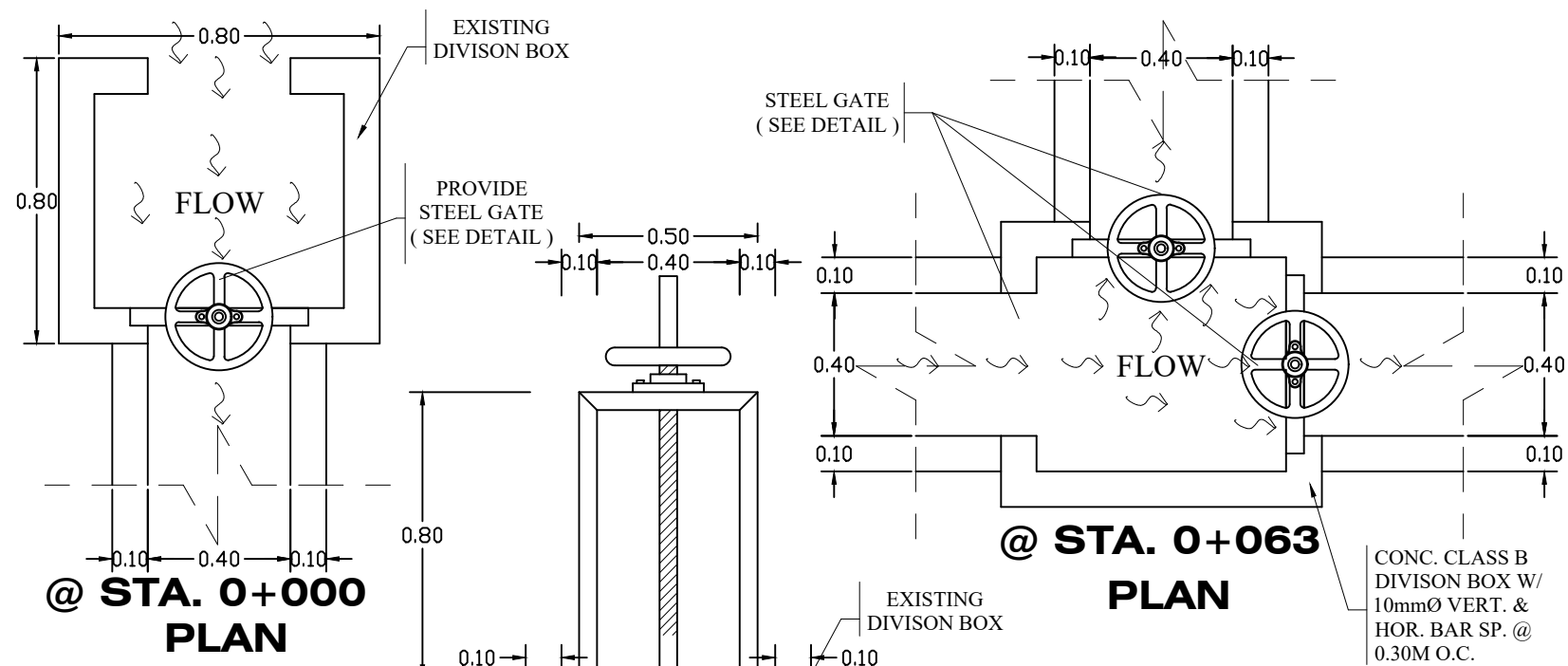
Project Details: \_\_\_\_\_

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

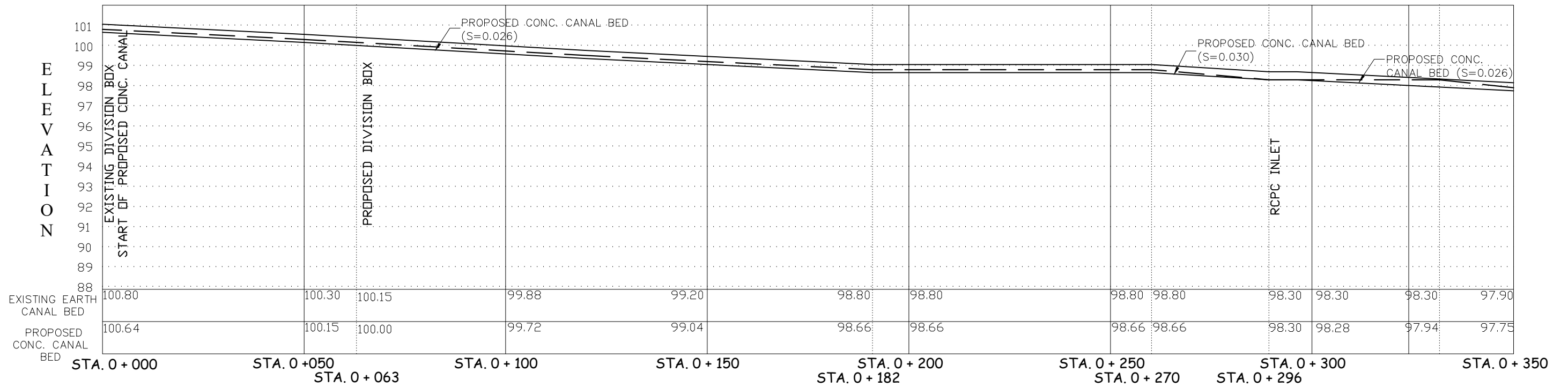
For particulars or complaints about this project, please contact the Regional Office or Cluster which has audit jurisdiction on this project.

COA Regional Office No. /Cluster: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Contact No.: \_\_\_\_\_

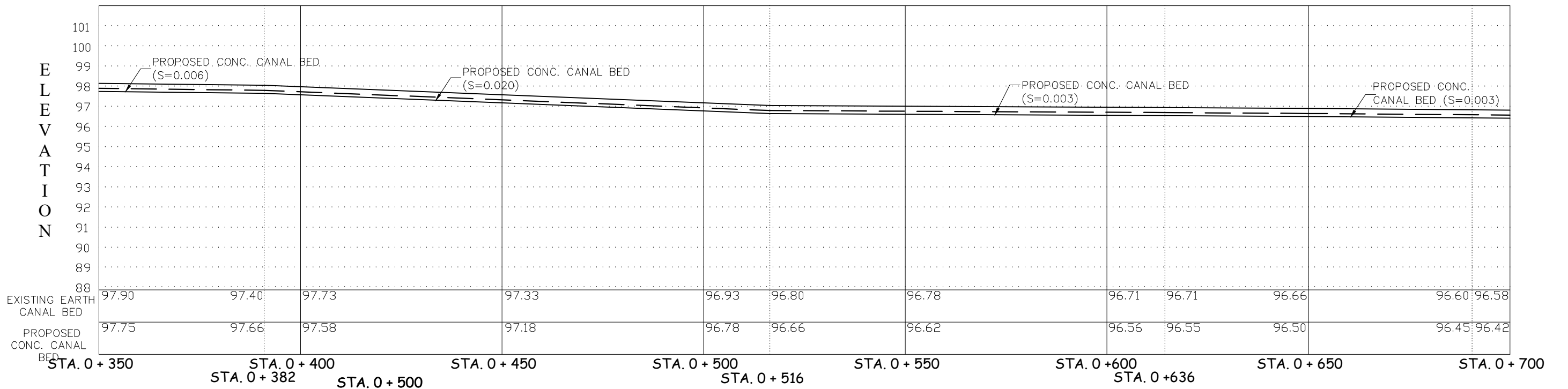
*"A food-secure Philippines with Prosperous farmers and fisherfolks"*



<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REGIONAL FIELD UNIT NO. 5 SAN AGUSTIN, PILI, CAMARINES SUR</p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
	RONALDO A. OROLFO CAD INPUT	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
							Sheet Contents:	4/10
							AS SHOWN	

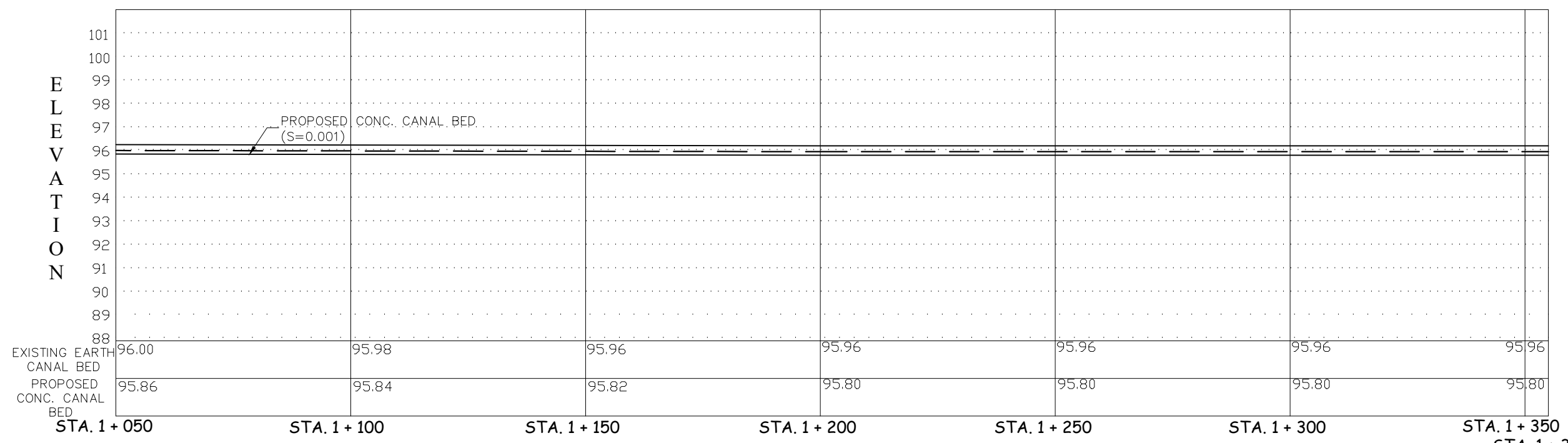
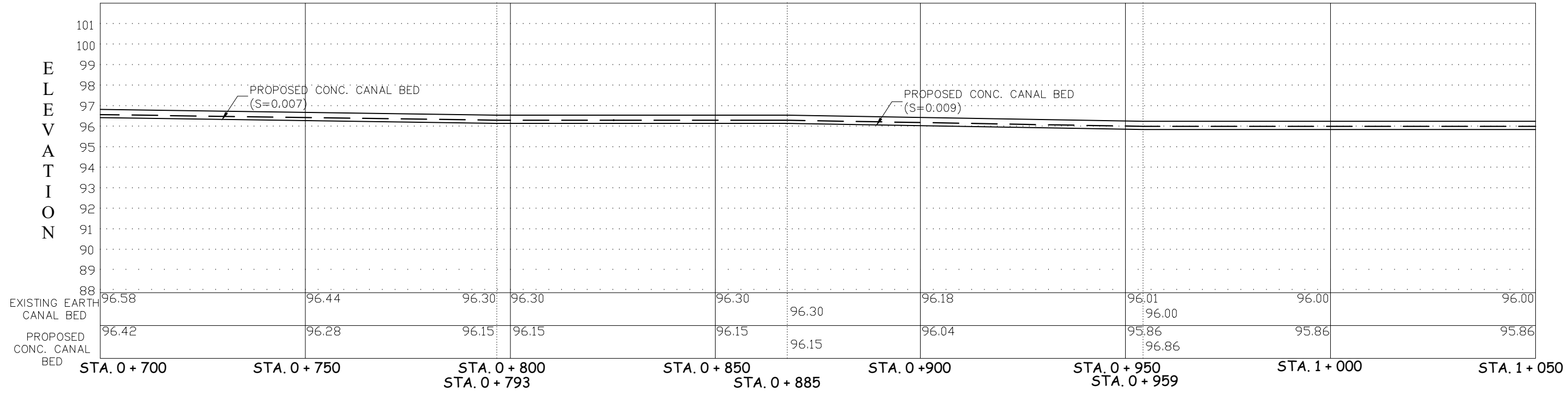


PROFILE ALONG CENTERLINE OF CANAL "A" FROM STA. 0+000 - STA. 0+350  
 SCALE H 1: 200 MTS. V 1: 1,000 MTS.



PROFILE ALONG CENTERLINE OF CANAL "A" FROM STA. 0+350 - STA. 0+700  
 SCALE H 1: 200 MTS. V 1: 1,000 MTS.

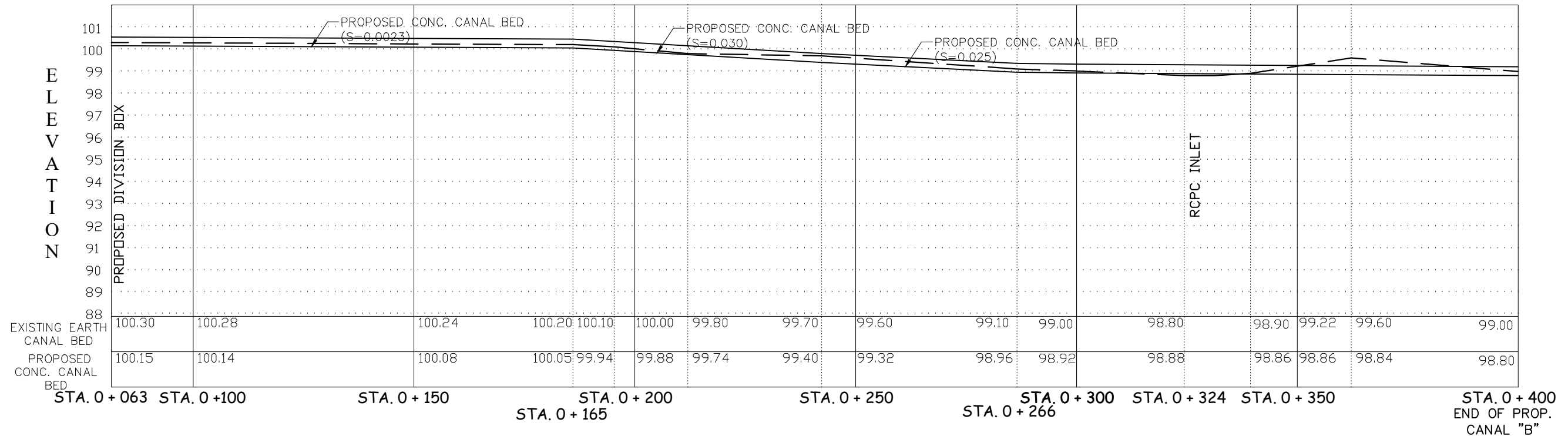
<p>REPUBLIC OF THE PHILIPPINES          DEPARTMENT OF AGRICULTURE  <b>REGIONAL FIELD UNIT NO. 5</b>          SAN AGUSTIN, PILI, CAMARINES SUR</p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
	RONALDO A. OROLFO CAD & DESIGN	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
							Sheet Contents:	AS SHOWN
								5/10



STA. 1+355  
END OF PROP.  
CANAL "A"

PROFILE ALONG CENTERLINE OF CANAL "A" FROM STA. 0+700 - STA. 1+355  
SCALE H 1: 200 MTS. V 1: 1,000 MTS.

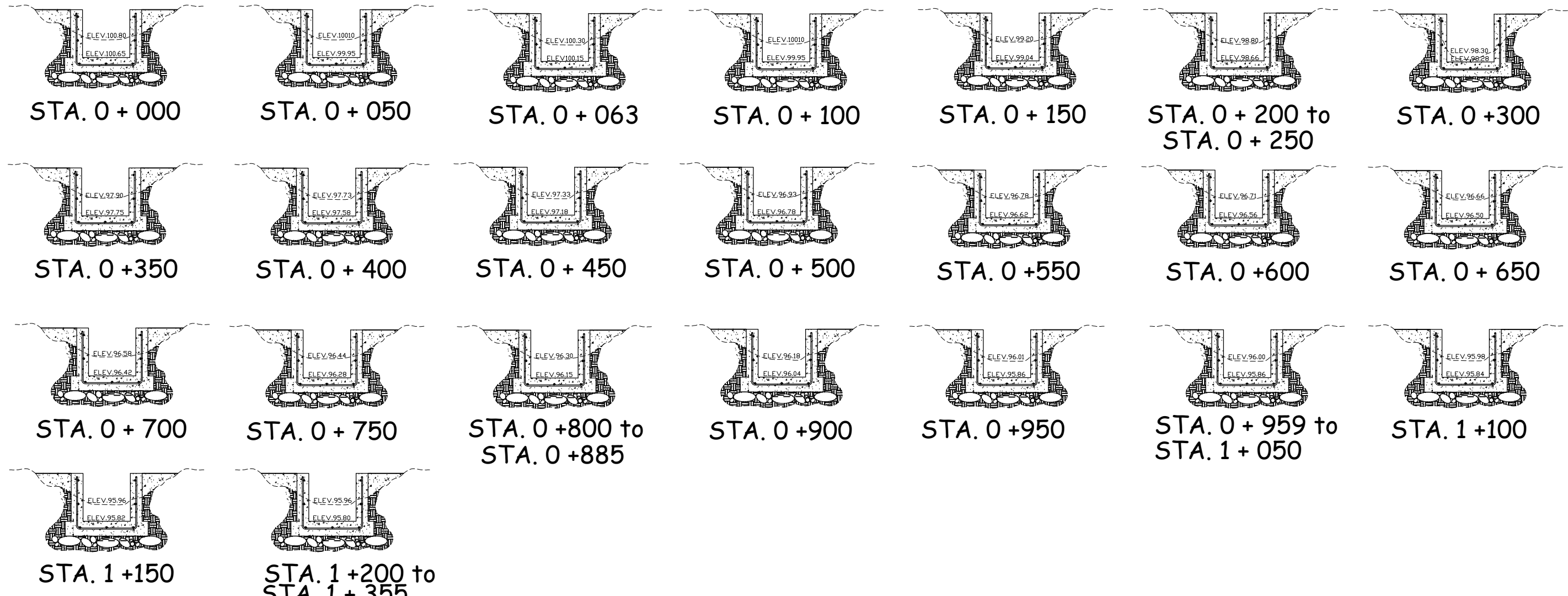
	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
	RONALDO A. OROLFO CAD & DESIGN	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
							Sheet Contents:	6/10
							AS SHOWN	



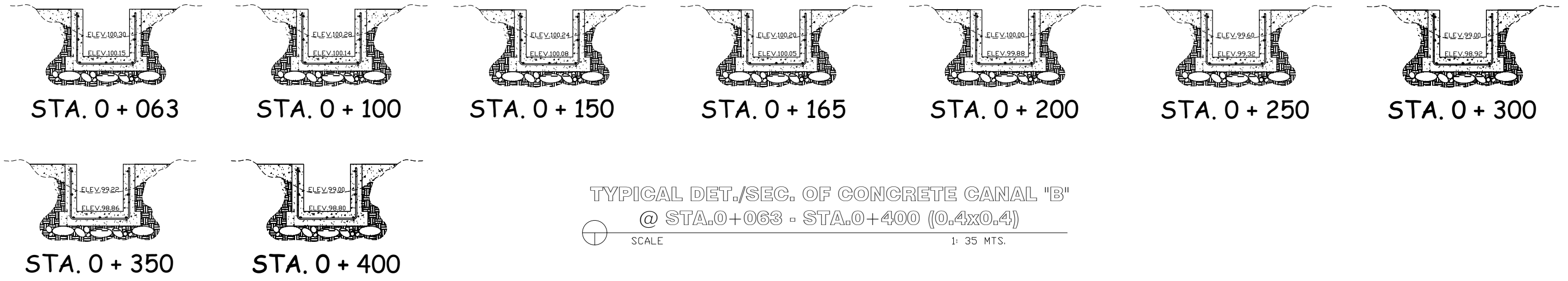
PROFILE ALONG CENTERLINE OF CANAL "B" FROM STA. 0+063 - STA. 0+400  
 SCALE H 1: 200 MTS. V 1: 1,000 MTS.

Canal	Stations		Service Area (Ha.)	Design Q (LPS)	Canal Bed Slope S	n	Trial depth (m)	base (m)	Computed Qn/S <sup>1.5</sup>	Computed Qn/S <sup>1.5</sup> w/ Reference to d	Velocity (mps)	Area (sq.m)	Wetted Perimeter P	Hydraulic Radius, R	Final B Width,m	Final D,m
	From	To														
Main	0+000	0+182	4	9.76	0.026000	0.015	0.10	0.40	0.0009	0.0066	1.77	0.04	0.60	0.07	0.40	0.40
A	0+182	0+270	3	7.32	-	0.015	0.12	0.40		0.0085	increase S	0.05	0.64	0.08	0.40	0.40
	0+270	0+296	2	4.88	0.030000	0.015	0.14	0.40	0.00	0.0103	2.17	0.05	0.67	0.08	0.40	0.40
	0+296	0+350	3	7.32	0.026000	0.015	0.14	0.40	0.00	0.0106	2.03	0.06	0.68	0.08	0.40	0.40
	0+350	0+382	2	4.88	0.006000	0.015	0.14	0.40	0.00	0.0106	0.98	0.06	0.68	0.08	0.40	0.40
	0+382	0+516	5	12.2	0.020000	0.015	0.14	0.40	0.00	0.0106	1.78	0.06	0.68	0.08	0.40	0.40
	0+516	0+650	5	12.2	0.003000	0.015	0.14	0.40	0.00	0.0106	0.69	0.06	0.68	0.08	0.40	0.40
	0+650	0+700	2	4.88	0.000300	0.015	0.14	0.40	0.00	0.0106	increase S	0.06	0.68	0.08	0.40	0.40
	0+700	0+793	4	9.76	0.007000	0.015	0.14	0.40	0.00	0.0106	1.06	0.06	0.68	0.08	0.40	0.40
	0+793	0+855	3	7.32	-	0.015	0.14	0.40		0.0106	increase S	0.06	0.68	0.08	0.40	0.40
	0+855	0+959	4	9.76	0.009000	0.015	0.14	0.40	0.00	0.0106	1.20	0.06	0.68	0.08	0.40	0.40
	0+959	1+050	3	7.32	-	0.015	0.14	0.40		0.0106	increase S	0.06	0.68	0.08	0.40	0.40
	1+050	1+200	4	9.76	0.001000	1.015	1.14	1.40		0.9144	increase S	1.60	3.68	0.43	1.40	0.40
1+200	1+355	5	12.2	-	2.015	2.14	2.40		4.3105	increase S	5.14	6.68	0.77	2.40	0.40	
B	0+063	0+165	1	2.44	0.002300	0.015	1.14	1.40		0.9144	1.83	1.60	3.68	0.43	0.40	0.40
	0+165	0+266	2	4.88	0.025000	0.015	1.14	1.40		0.9144	6.04	1.60	3.68	0.43	0.40	0.40
	0+266	0+350	3	7.32	-	0.015	1.14	1.40		0.9144	increase S	1.60	3.68	0.43	0.40	0.40
	0+350	0+400	4	9.76	-	0.015	1.14	1.40		0.9144	increase S	1.60	3.68	0.43	0.40	0.40


<p>REPUBLIC OF THE PHILIPPINES          DEPARTMENT OF AGRICULTURE          REGIONAL FIELD UNIT NO. 5          SAN AGUSTIN, PILI, CAMARINES SUR</p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
							REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
	RONALDO A. OROLFO CAD & DESIGN	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	Sheet Contents:	7/10
							AS SHOWN	



TYPICAL DET./SEC. OF CONCRETE CANAL "A"  
 @ STA.0+000 - STA.1+339 (0.4x0.4)  
 SCALE 1: 35 MTS.



TYPICAL DET./SEC. OF CONCRETE CANAL "B"  
 @ STA.0+063 - STA.0+400 (0.4x0.4)  
 SCALE 1: 35 MTS.

 <p>           REPUBLIC OF THE PHILIPPINES            DEPARTMENT OF AGRICULTURE            REGIONAL FIELD UNIT NO. 5            SAN AGUSTIN, PILI, CAMARINES SUR         </p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recorded by:	Approved by:	Name of Project:	CAD by:
							REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
							Sheet Contents:	AS SHOWN
	RONALDO A. OROLFO CAD & DESIGN	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director		8/10

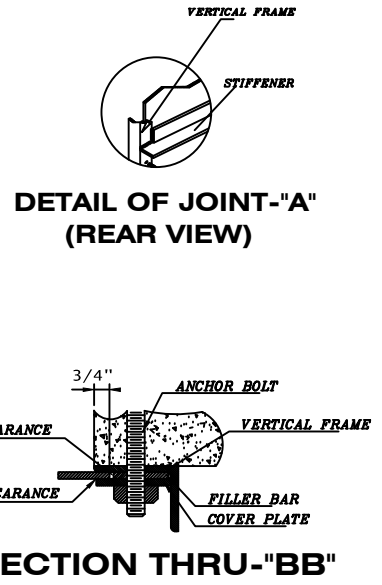
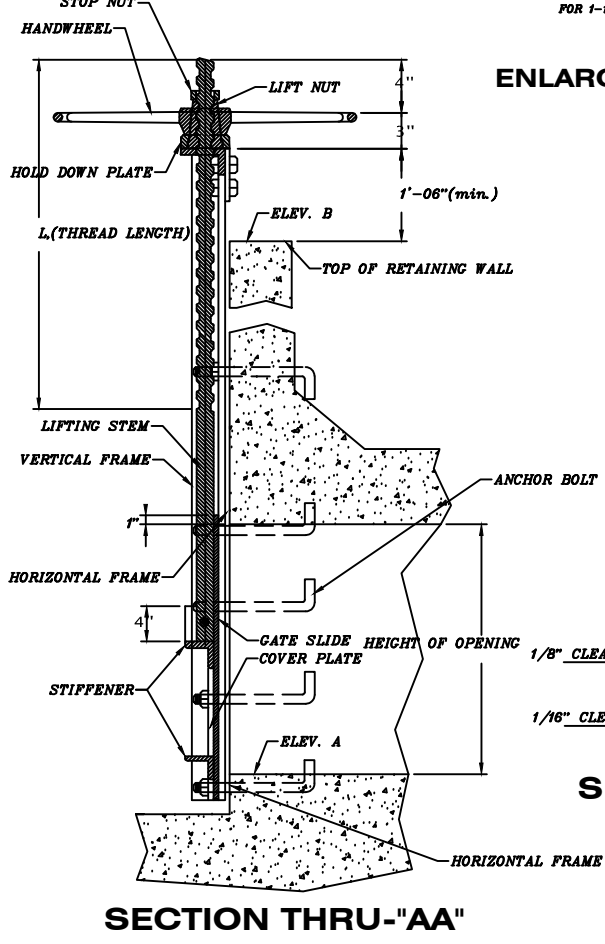
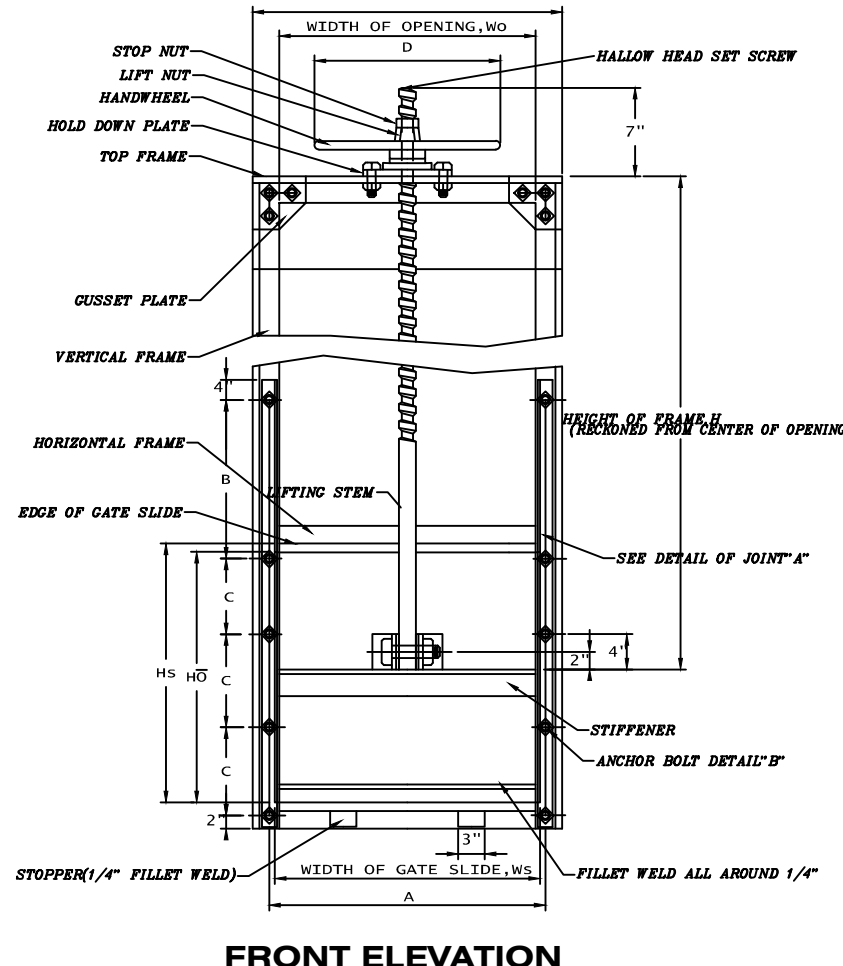
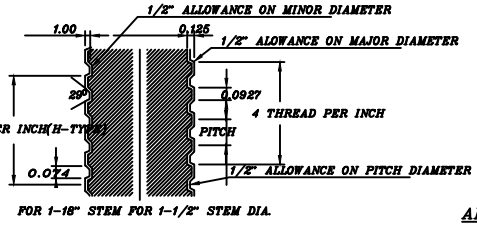
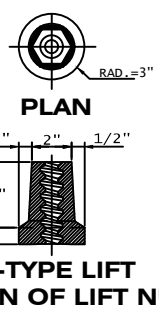
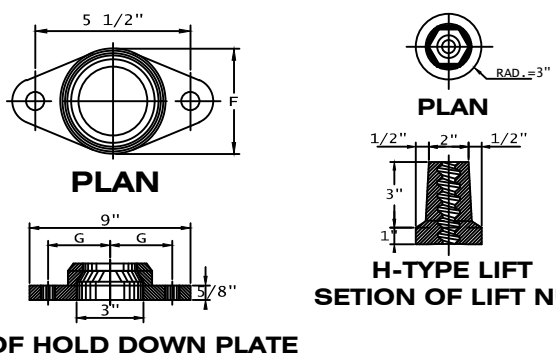
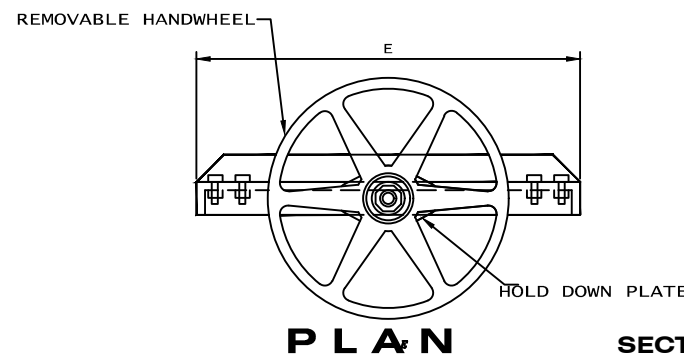
**SCHEDULE OF DIMENSIONS**

ITEM NO.	QUANTITY	D I M E N S I O N S ( m . m . )													
		SIZE OF OPENING		SIZE OF GATE SLIDE		GATE SLIDE THICKNESS	LIFTING STEM DIA.	SIZE OF STIFFENER	VERTICAL AND HORIZONTAL FRAME	TOP FRAME	STEM HANGER	COVER PLATE	FILLER BAR		
	4	W <sub>o</sub>	H <sub>o</sub>	W <sub>s</sub>	H <sub>s</sub>	10	35	9 x 70 x 70	800X70±70 500X70±70	500X70±70	7x50±50 7x50±50	7x60 7x60	8x50 8x50		
		A	B	C	D	E	F	G	HEIGHT OF FRAME H	THREAD LENGTH L	DISTANCE OF STIFFENER X Y	STEM BOLT DIAMETER	FRAME BOLT DIAMETER	ANCHOR BOLT DIAMETER	ARMCO TYLE OF LIFT
		450	200	133	350	500	70	89	800	600	400 150	3/8"	1/2"	5/8"	H-14

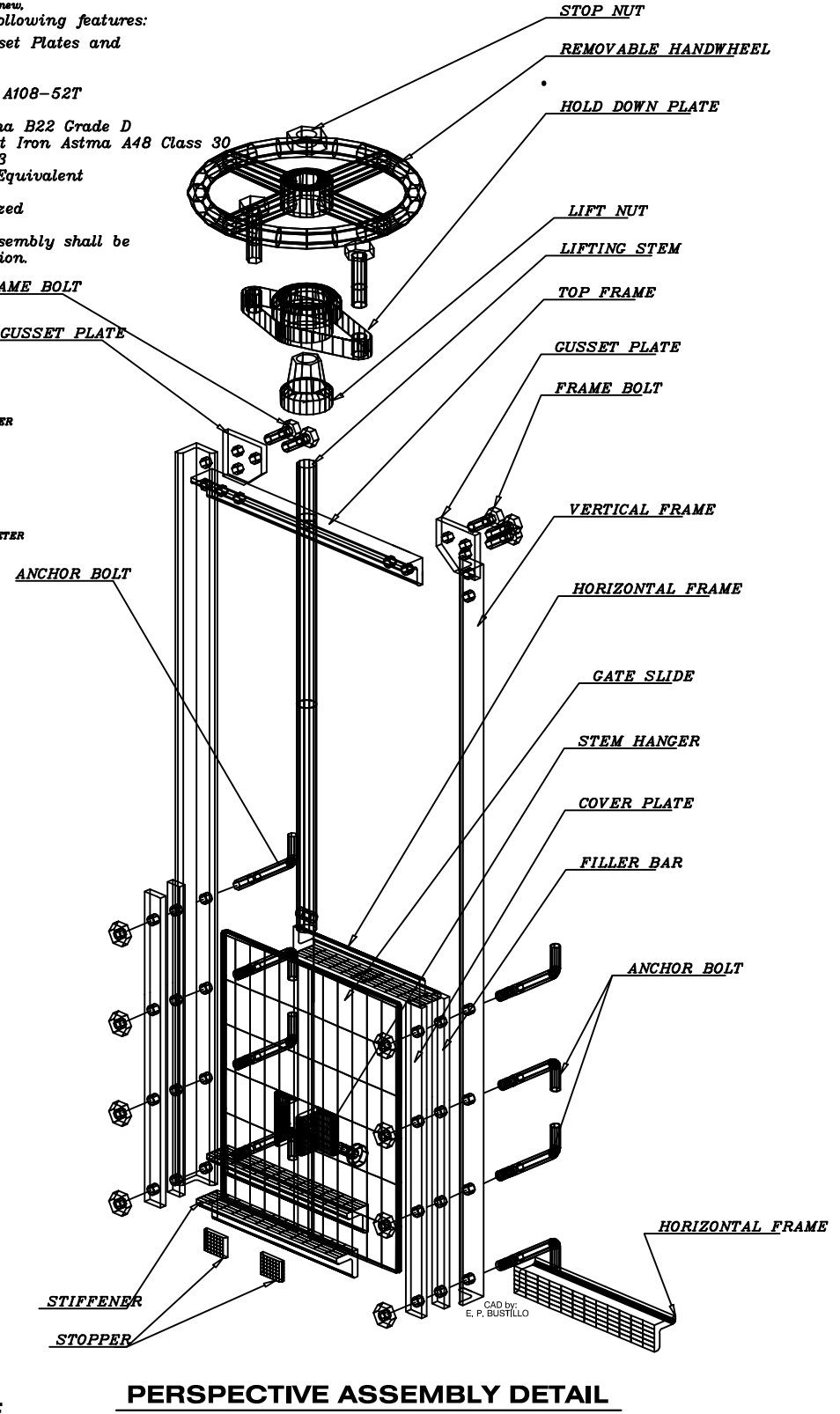
**NOTES:**  
LIFT NUT THREADED HOLE DIAMETER VARIES WITH THE STEM THREAD DIAMETER.

**GENERAL NOTES AND SPECIFICATIONS :**

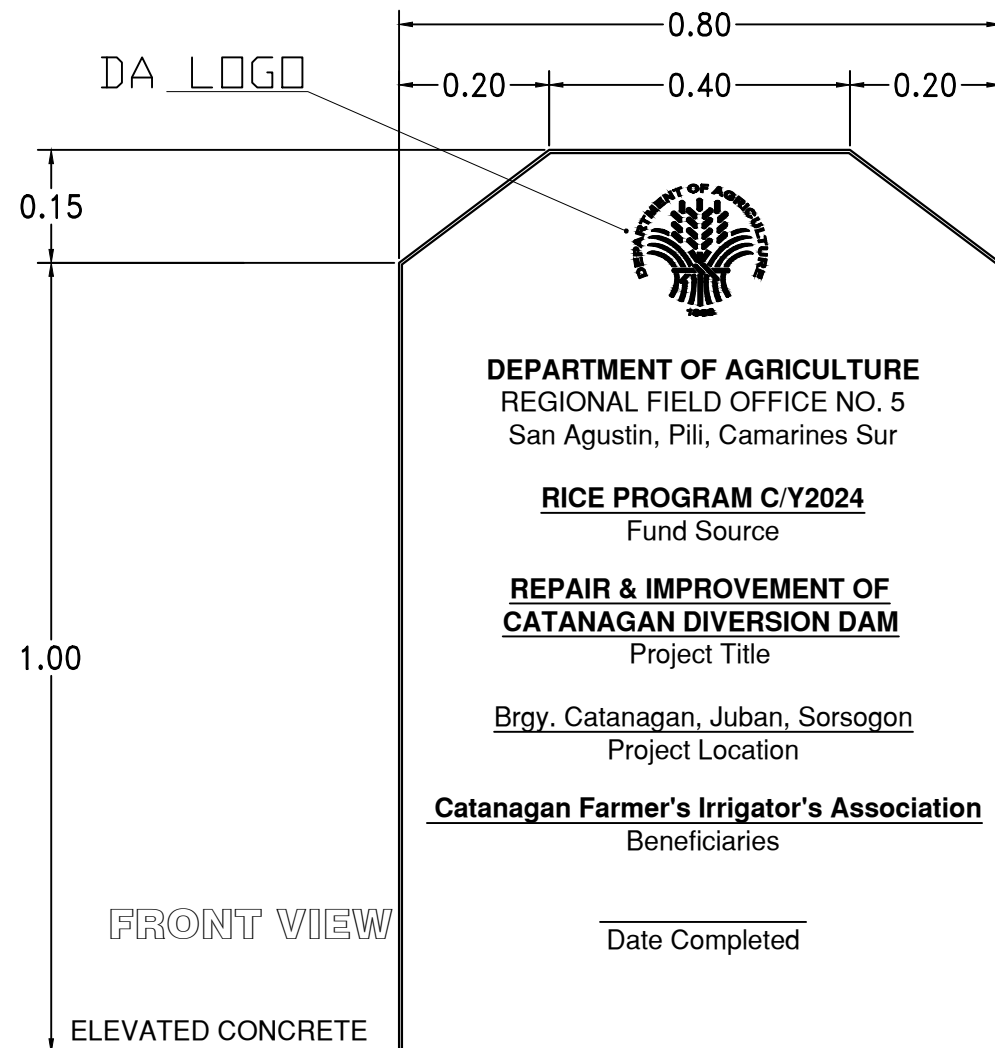
- The gate shall be provided as per dimensions and shape as shown in the plan. The materials to be used shall be new, good quality and shall conform to the following features:
- Gate Slide, Filler Bars, Cover Plates, Gusset Plates and Stopper—Steel Plates Astma 285
  - Angle Bars—Structural Steel Astma A36
  - Lifting Bars—Cold Rolled Steel Astma A108-52T Grade 1045.
  - Lift Nuts and Stop Nuts—Bronze Astma B22 Grade D
  - Handwheel and Hold Down Plates—Cast Iron Astma A48 Class 30
  - Fitting-Up Bolts and Nuts—Astma 233
  - Ball Thrust Bearing—SKF No. 016 or Equivalent
  - Coatings:
    - All Steel Parts—Hot Dipped Galvanized
    - All cast iron parts—Coal Tar Epoxy
  - All frictional Surfaces of the Gate Assembly shall be Machined accurately to minimize friction.



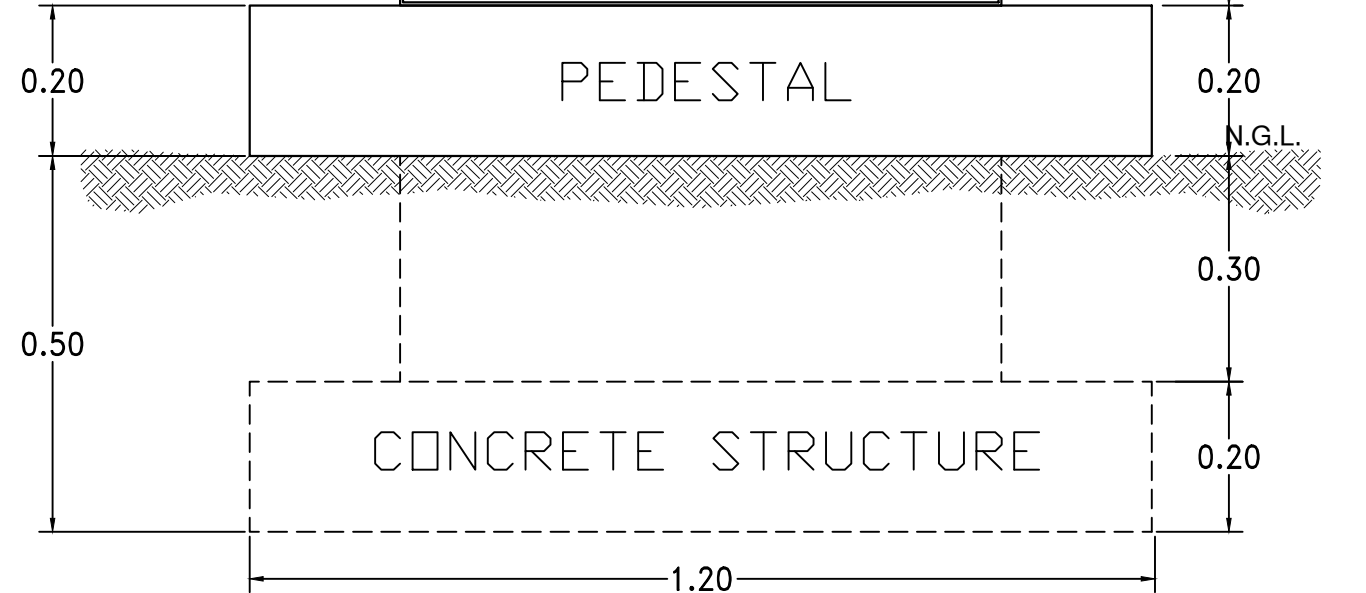
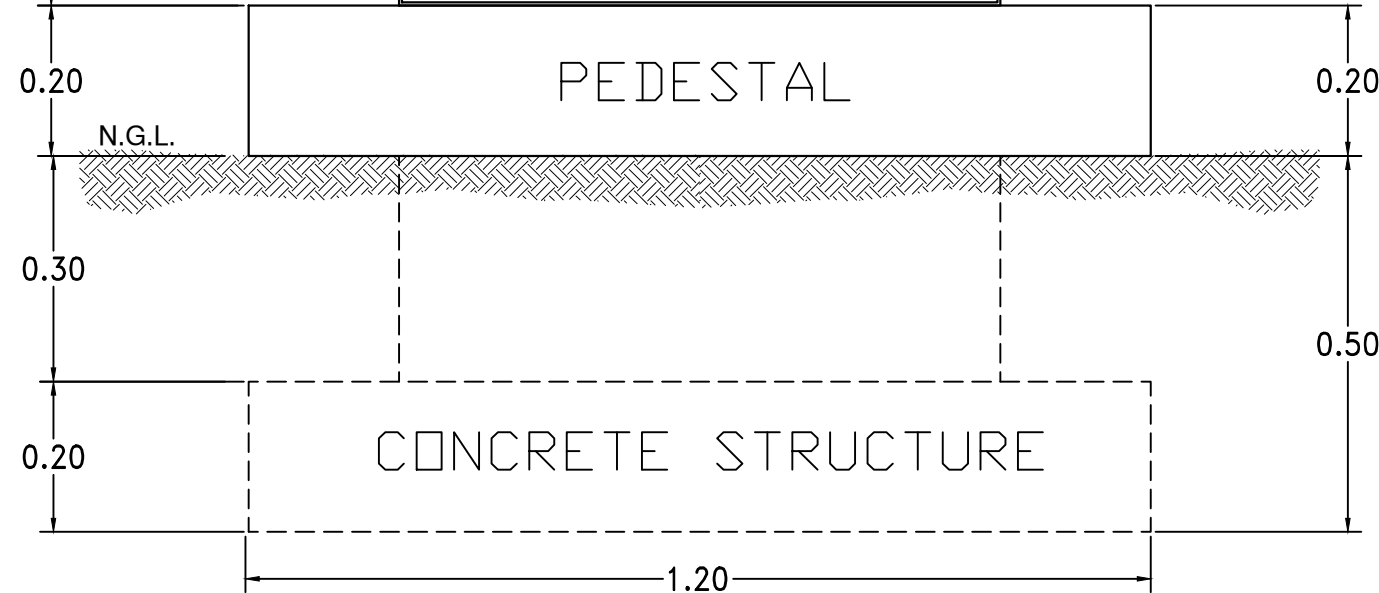
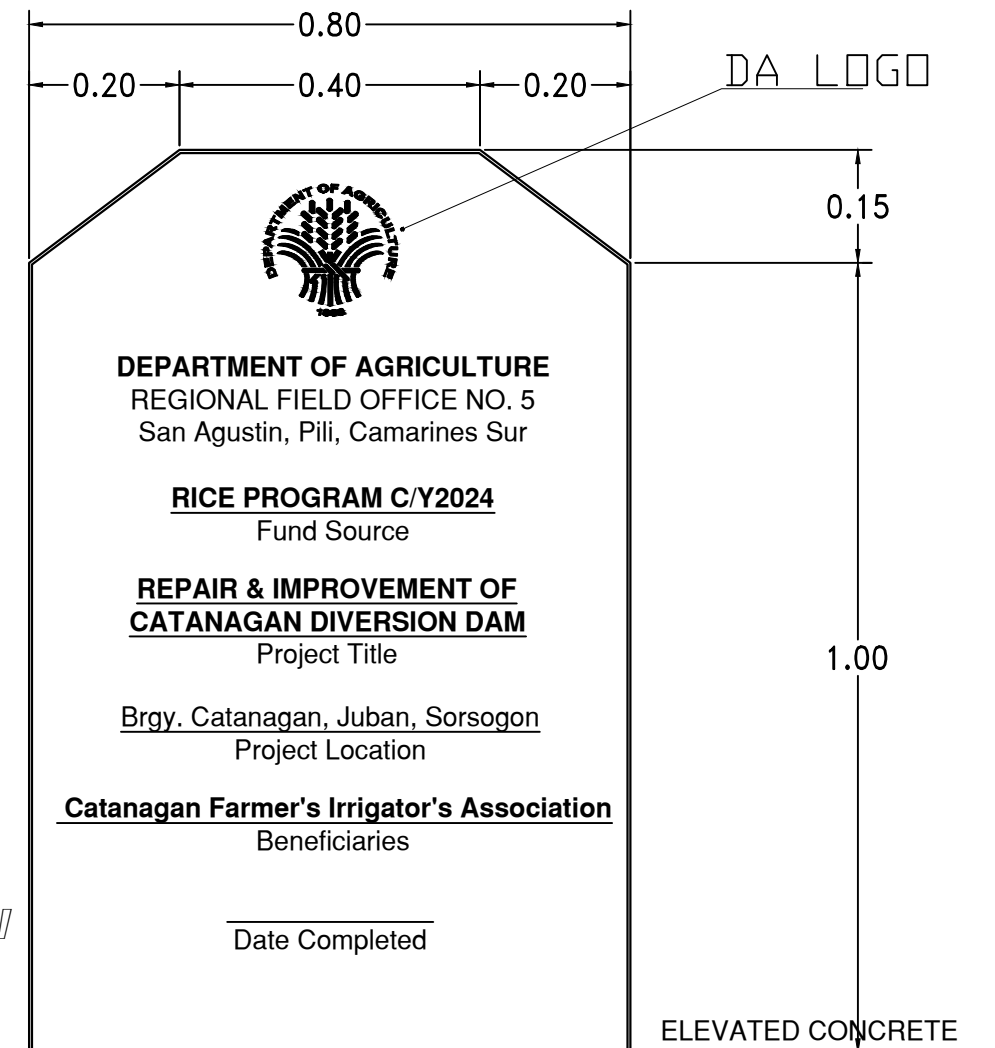
**RECTANGULAR SLIDE GATE**



<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REGIONAL FIELD UNIT NO. 5 SAN AGUSTIN, PILI, CAMARINES SUR</p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
	RONALDO A. OROLFO CAD INPUT	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director	REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
							Location:	DATE:
							BRGY. CATANAGAN, JUBAN, SORSOGON	Sheet No.:
							AS SHOWN	9/10



- NOTE:**
- PROVIDE CEMENT PLASTER FINISH ON BOTH FACES.
  - CONCRETE MARKER SHOULD BE FINISH COATED WITH WHITE ENAMEL PAINT.
  - ALL PROJECT INFORMATION AS INDICATED SHOULD BE WRITE IN NEAT AND CLEAR MANNER.
  - BE SPECIFIC WITH THE SPELLING OF THE INDICATED NAME OF PERSONS AND THEIR RESPECTIVE DESIGNATION.



NEW CONCRETE MARKER OF RICE PROGRAM PROJECT  
SCALE: 1:10m.



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:
RONALDO A. OROLFO CAD INPUT	ARTHUR B. MIRA ENGINEER II	LUISITO R. BALTAZAR OIC EPDSS HEAD	JERRY A. EBOÑA OIC-Chief, RAED	LUZ R. MARCELINO RTD. for Operation	RODEL P. TORNILLA, MaBE Regional Executive Director

Name of Project:	CAD by:
REPAIR & IMPROVEMENT OF CATANAGAN DIVERSION DAM	Ronald
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BRGY. CATANAGAN, JUBAN, SORSOGON	
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AS SHOWN	10/10



REPUBLIC OF THE PHILIPPINES

**DEPARTMENT OF AGRICULTURE**

**REGIONAL FIELD UNIT NO.5**

SAN AGUSTIN, PILI, CAMARINES SUR.

**PROJECT TITLE:**

**REPAIR & IMPROVEMENT OF  
ALEGRIA, DIVERSION DAM**

**LOCATION: ALEGRIA, BARCELONA, SORSOGON**

*PREPARED BY:*

**RAED OFFICE**





# SHEET CONTENT :

<b>1/8</b>	LOCATION MAP SHEET CONTENT PROJECT PROFILE
<b>2/8</b>	TOPOGRAPHIC MAP & FARM PLAN MAJOR WORKS ITEM
<b>3/8</b>	TYPICAL DET./SEC. OF CONCRETE CANAL (0.4 x 0.4) TYPICAL DET./SEC. OF MACHINERY RAMP ISOMETRIC/END CHECK DETAILS OF (0.4 x 0.4) CANAL ISOMETRIC/DET./SEC. OF TURN OUT STRUCTURE
<b>4/8</b>	PROJECT BILLBOARD
<b>5/8</b>	PROFILE ALONG CENTERLINE OF MAIN CANAL @STA.0+000 - STA.0+400 PROFILE ALONG CENTERLINE OF LAT. CANAL-A @STA.0+203 - STA.0+487
<b>6/8</b>	PROFILE ALONG CENTERLINE OF LAT. CANAL-B @STA.0+203 - STA.0+250 DET./SEC. OF DIVISION BOX@ STA.0+203, STA.0+236, & STA.0+289 HYDRAULIC ELEMENTS OF PROPOSED CANAL LINING
<b>7/8</b>	DETAIL OF RECTANGULAR SLIDE GATE
<b>8/8</b>	NEW CONCRETE MARKER OF RICE PROGRAM PROJECT



**LOCATION MAP**

1.0 PROJECT FACILITIES IRRIGATION CANAL		
2.0 CONVEYANCE CHANNEL REINFORCE CONCRETE CANAL		
3.0 DESIGN SERVICE AREA AND CROPPING PATTERN		
CROPPING PATTERN	Rice - Rice - Fallow	
DESIGN DISCHARGE (m <sup>3</sup> /sec.)	0.05 m <sup>3</sup> /sec.	
SERVICE AREA (ha)	10 has.	
POTENTIAL SERVICE AREA (ha)	10 has.	
PROJECT COST (Php)	P 3,000,000.00	
SCOPE OF WORK		
1 REINFORCE CONCRETE CANAL		
Length	Width	Height
734 mts.	0.40 m.	0.40 m.



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:  
RONALDO A. OROLOFO  
CAD INPUT

Checked by:  
ARTHUR B. MIRA  
ENGINEER II

Reviewed by:  
LUIS R. BALTAZAR  
DIC ERDS HEAD

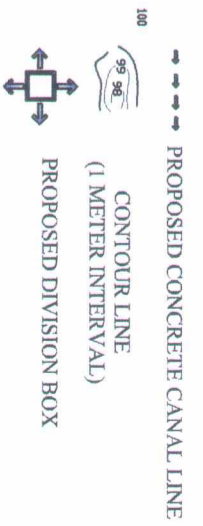
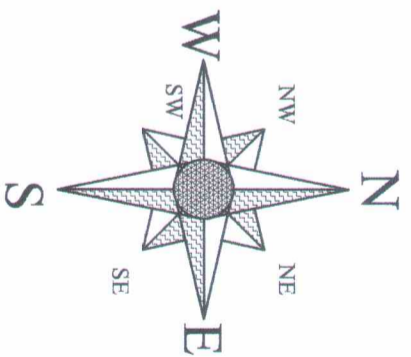
Submitted by:  
JERRY A. EBONA  
DIC-CHIEF/ERD

Recommending Approval:  
LIZ R. MARCELO  
RTD, for Operation

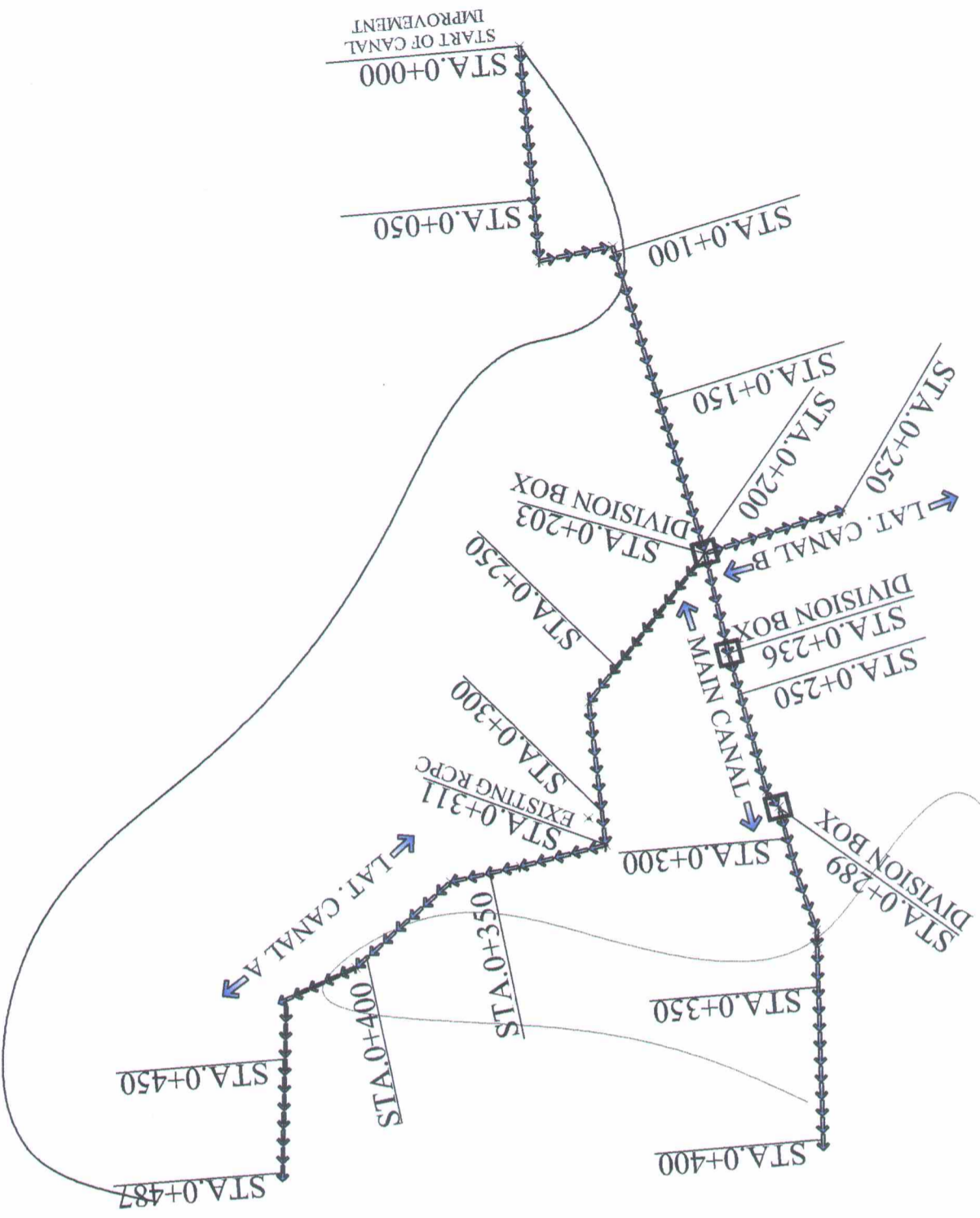
Approved by:  
RODEL P. TORNILLAMABE  
Regional Executive / Field

Name of Project: REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM  
Location: ALEGRIA BARCELONA, SORSOGON  
Sheet Contents: AS SHOWN

Drawn by: Ronald  
DATE: \_\_\_\_\_  
Sheet No.: **1/8**



**LEGEND:**



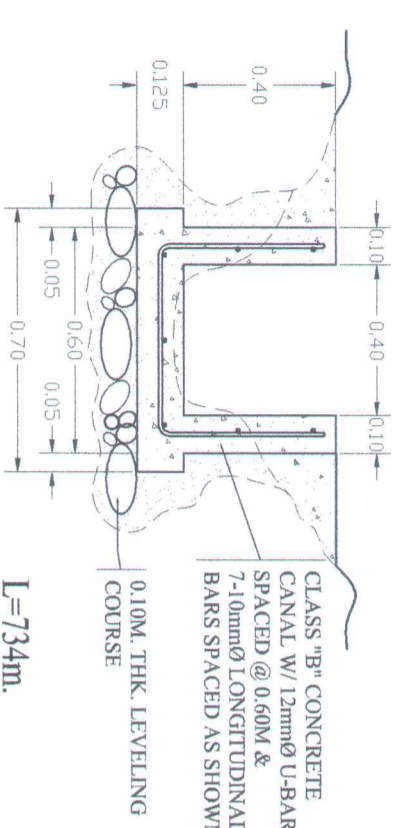
**TOPOGRAPHIC MAP AND FARM PLAN**  
SCALE 1: 2000 MTS.

**MAJOR WORKS ITEM:**

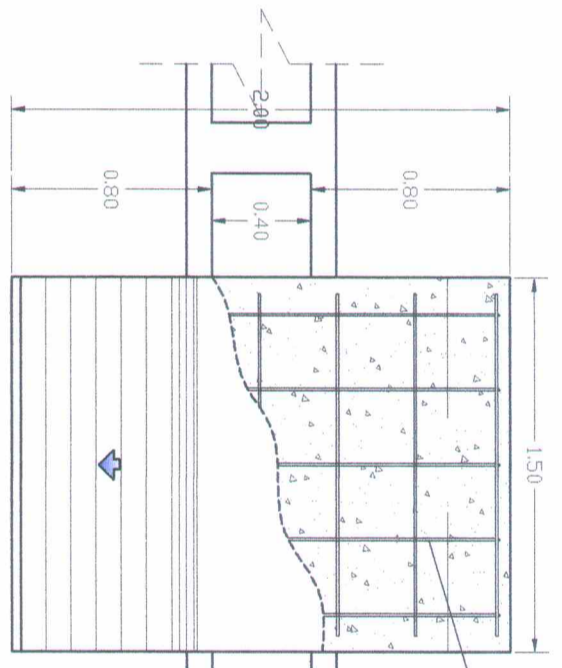
Item	Description	Unit	Quantity
<b>I GENERAL REQUIREMENTS</b>			
I.1	Construction of Camp, other temporary facilities & movement of equipment	LS	1.00
I.2	PROVISION FOR CONSTRUCTION SAFETY & HEALTH	LS	1.00
I.3	PROJECT BILLBOARD	LS	1.00
I.4	PERMANENT MARKER	LS	1.00
<b>II CIVIL WORKS</b>			
II.2	Irrigation Canal (0.450 x 0.75) 734 Lm	cu.m	146.14
II.2.1	Common Excavation	cu.m	73.40
II.2.2	Structural Backfill backfilling	cu.m	51.38
II.2.3	Aggregate Sub-base Course	cu.m	4467.24
II.2.4	Reinforcing Steel Bars	Kg	58.72
II.2.5	Concrete Class "B" With Forms	cu.m	51.38
II.2.6	Concrete Class "B" Without Forms	cu.m	51.38
II.3	Division Box - 3 set	cu.m	2.10
II.3.1	Common Excavation - 2.1 cu.m	cu.m	1.05
II.3.2	Structural Backfill backfilling	cu.m	0.30
II.3.3	Aggregate Sub-base Course	Kg	14.58
II.3.4	Reinforcing Steel Bars	cu.m	1.22
II.3.5	Concrete Class "B" With Forms	cu.m	1.22
II.3.6	Concrete Class "B" Without Forms	cu.m	6.00
<b>II.4 End Check - 3 set</b>			
II.4.1	Common Excavation	cu.m	1.50
II.4.2	Structural Backfill backfilling	cu.m	0.75
II.4.3	Aggregate Sub-base Course	cu.m	0.21
II.4.4	Reinforcing Steel Bars	Kg	7.92
II.4.5	Concrete Class "B" With Forms	cu.m	0.66
II.4.6	Concrete Class "B" Without Forms	cu.m	20.00
<b>II.5 Turn out Structure - 3 set</b>			
II.5.1	Common Excavation	cu.m	1.00
II.5.2	Structural Backfill backfilling	cu.m	0.50
II.5.3	Aggregate Sub-base Course	cu.m	0.14
II.5.4	Reinforcing Steel Bars	Kg	5.28
II.5.5	Concrete Class "B" With Forms	cu.m	0.44
II.5.6	Concrete Class "B" Without Forms	cu.m	20.00
<b>II.6 Tactic Crossing - 4 set</b>			
II.6.1	Common Excavation	cu.m	0.17
II.6.2	Structural Backfill backfilling	cu.m	0.08
II.6.3	Aggregate Sub-base Course	cu.m	0.17
II.6.4	Reinforcing Steel Bars	Kg	40.32
II.6.5	Concrete Class "B" With Forms	cu.m	3.36

Prepared by: KONNOR A. OROLO DAD INPUT	Checked by: ARTHUR B. MIRA ENGINEER II	Reviewed by: LUIS R. BALTAZAR DICEPSS HEAD	Submitted by: JERRY A. EBONA DICEPSS HEAD	Recommending Approval: LUZ R. MARCELO RTD for Operations	Approved by: RODEL TORNIDA, MABLE Regional Director
--	--	--	---	--	---

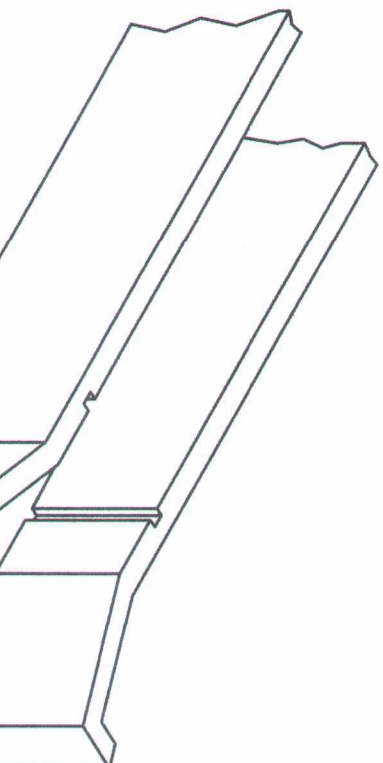
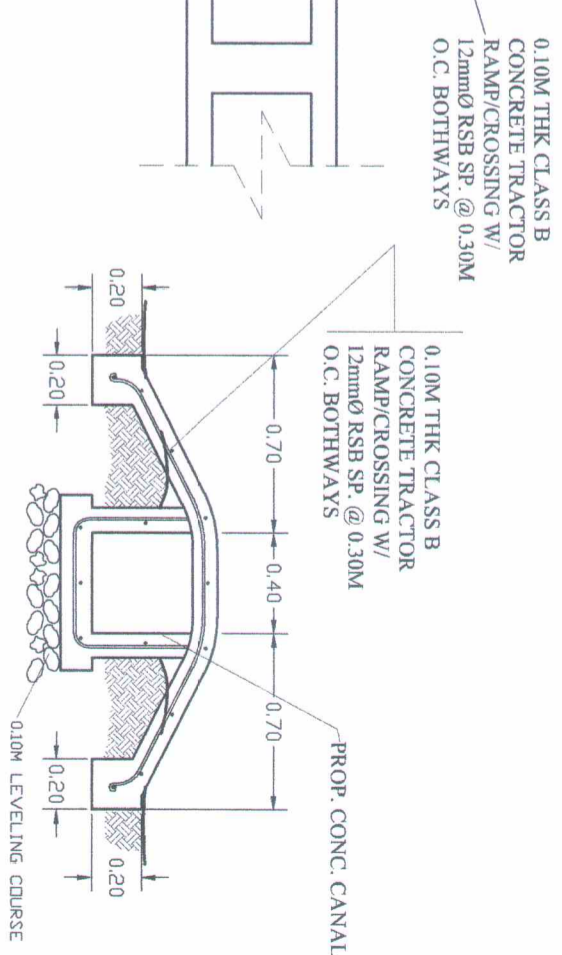
Name of Project: REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM	Localities: ALEGRIA, BARCELONA, SONSOGON	Sheet Contents: AS SHOWN
CDU by: Ronald	DATE:	Sheet No.: 2/8



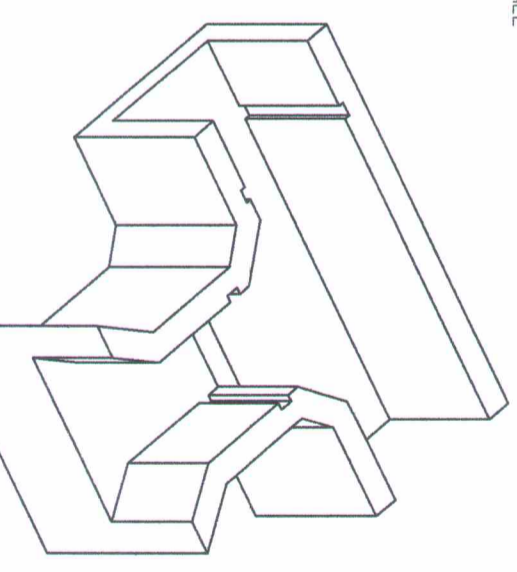
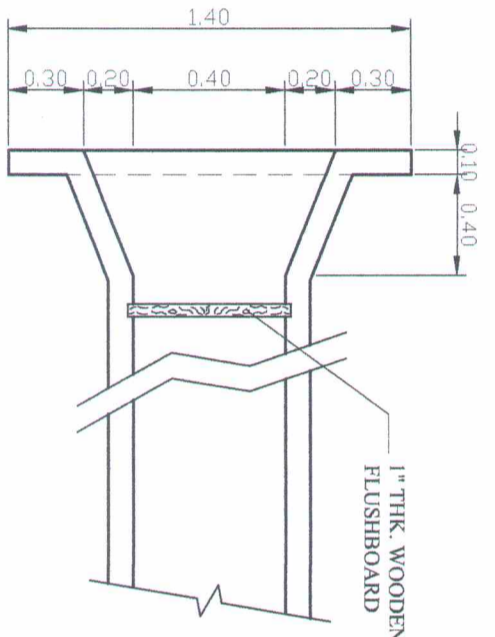
TYPICAL DET./SEC. OF CONCRETE  
LAT. CANAL (0.4x0.4)  
SCALE 1: 20 MTS.



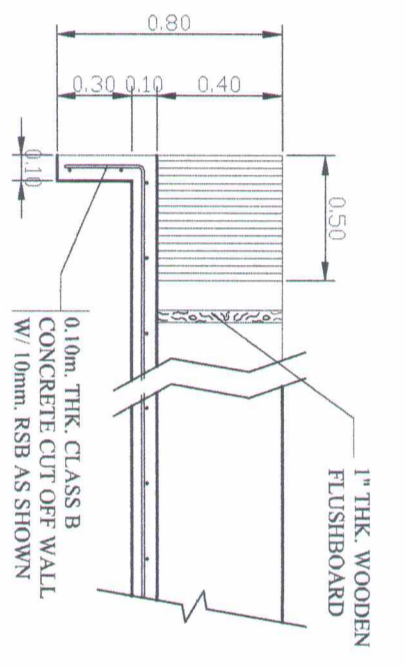
TYPICAL DET./SEC. OF MACHINERY RAMP  
@ (0.40 X 0.40) m. Irrigation canal  
SCALE 1: 30 MTS.



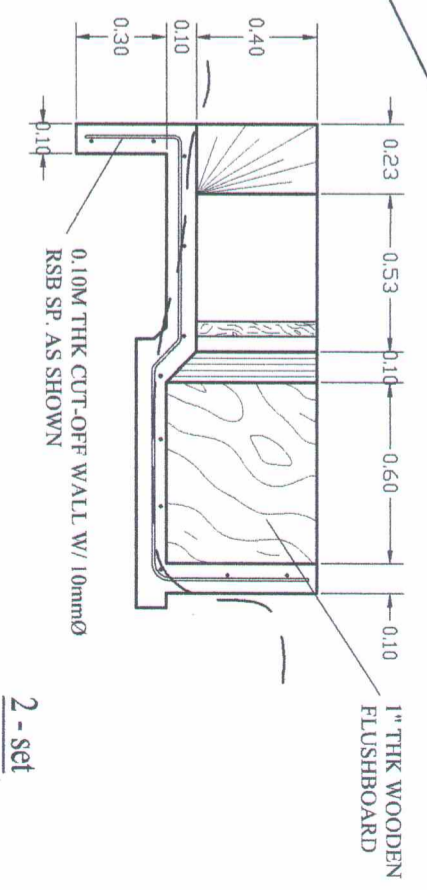
ISOMETRIC



ISOMETRIC



END CHECK DETAIL  
SCALE 1: 30 MTS. 3 - set



DET. OF TURN OUT STRUCTURE  
SCALE 1: 25 MTS. 2 - set



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:  
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CAD INTRN

Checked by:  
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ENGINEER II

Reviewed by:  
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DICEERSS HEAD

Submitted by:  
JERRY A. EBONA  
DICEERSS HEAD

Recommending Approval:  
LIZ R. BARCELONA  
RTD. Agr. Operation

Approved by:  
RODEL P. TORNILLA  
Regional Executive Director

Name of Project: REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM  
Location: ALEGRIA, BARCELONA, SORSOGON  
Sheet Contents: AS SHOWN

Drawn by: Ronald  
DATE:  
Sheet No.: 3/8

2.44

DEPARTMENT OF AGRICULTURE  
Regional Field Office No. 5  
San Agustin, Pili, Camarines Sur

Project: \_\_\_\_\_  
Cost: \_\_\_\_\_  
Location: \_\_\_\_\_  
Fund Source/s: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Brief Description of Project: \_\_\_\_\_

Project Details: \_\_\_\_\_

Project Date		Project Status			Remarks
Duration	Start	Target Date of Completion	Percentage of Completion	As of (Date)	

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

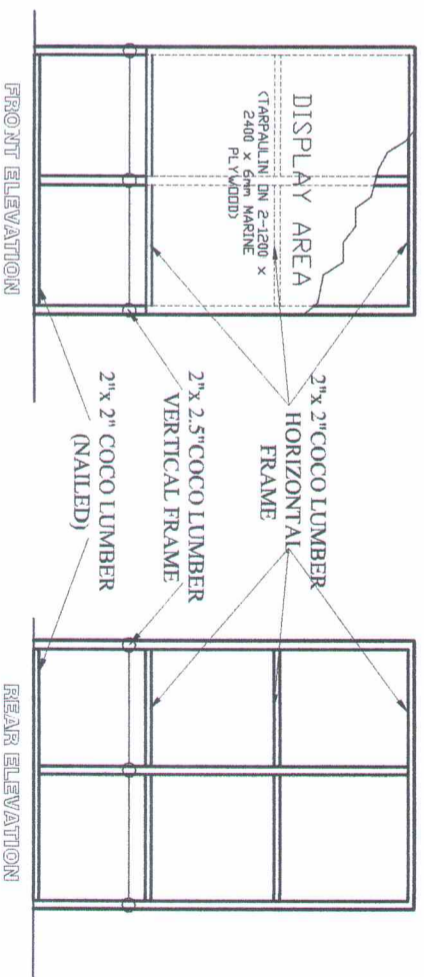
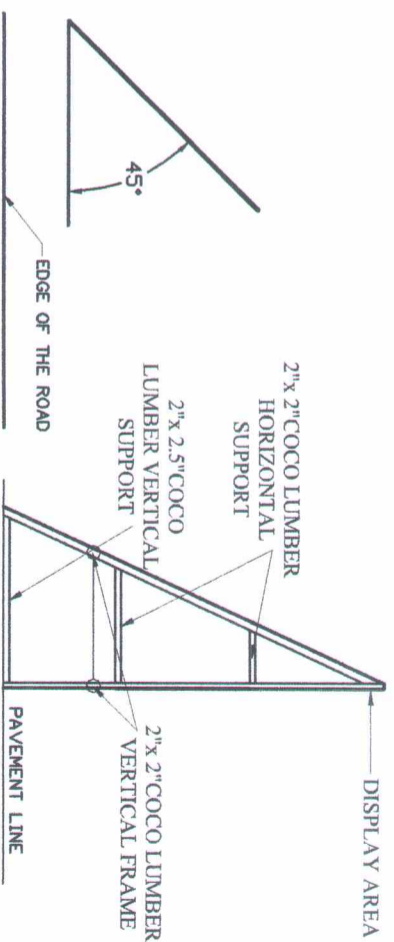
COA Regional Office No./Cluster: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact No.: \_\_\_\_\_

*"A food-secure Philippines with prosperous farmers and fisheryfolks"*



# PROJECT BILLBOARD

SCALE N.T.S.



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:   
RONALDO A. ORSILLO  
CADMP/PUT

Checked by:   
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ENGINEER II

Reviewed by:   
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DTC/EPDSS HEAD

Submitted by:   
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DTC-Chief/RAED

Recommending Approval:   
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RTD, for Operation

Approved by:   
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Regional Executive Director

Name of Project: REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM  
Location: ALEGRIA, BARCELONA, SOSONGON  
Sheet Contents: AS SHOWN

Drawn by:   
DATE: 4/8  
Sheet No.:

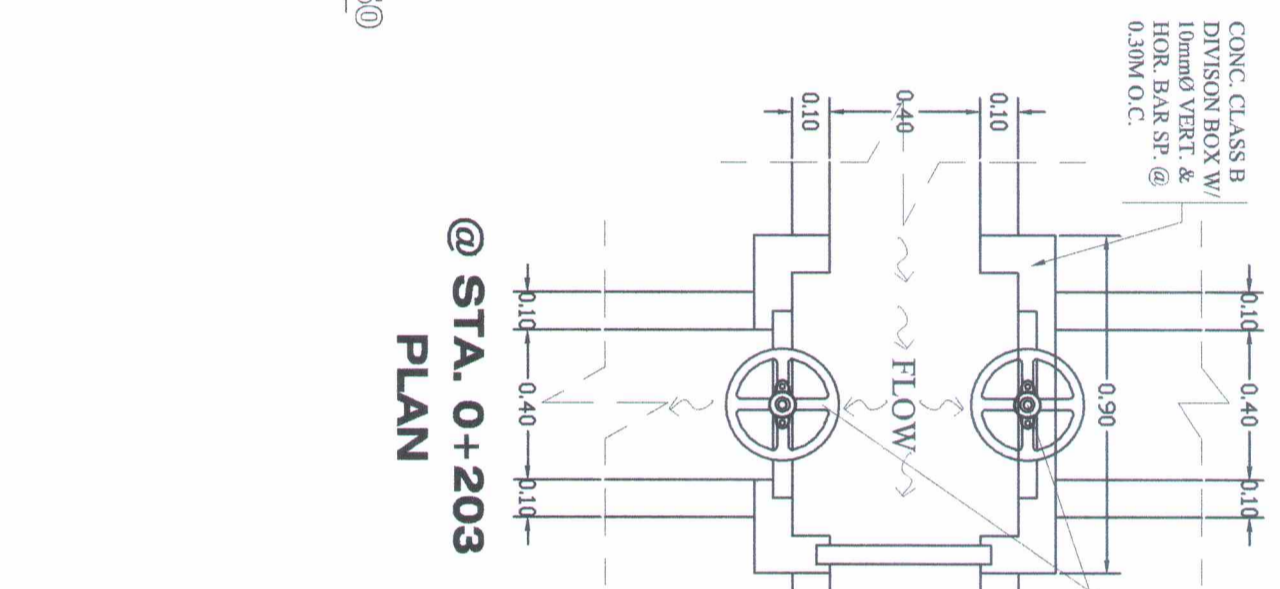


LEVEL	PROPOSED DIVISION BOX
101	PROPOSED CONC. CANAL BED (S=0.018)
99	
98	
97	
96	
95	
94	
93	
92	
91	
90	
89	
88	EXISTING EARTH CANAL BED
	PROPOSED CONC. CANAL BED
	99.46

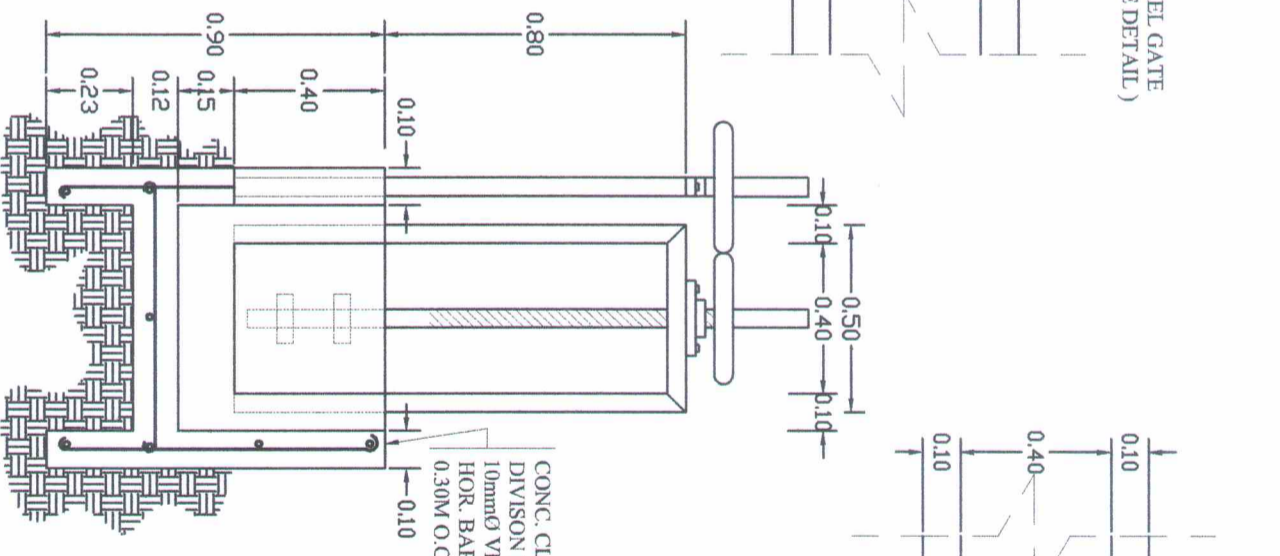
PROFILE ALONG CENTERLINE OF  
LAT. CANAL - B @ STA. 0+203 - STA. 0+250

SCALE H 1: 200 MTS. V 1: 1,000 MTS.

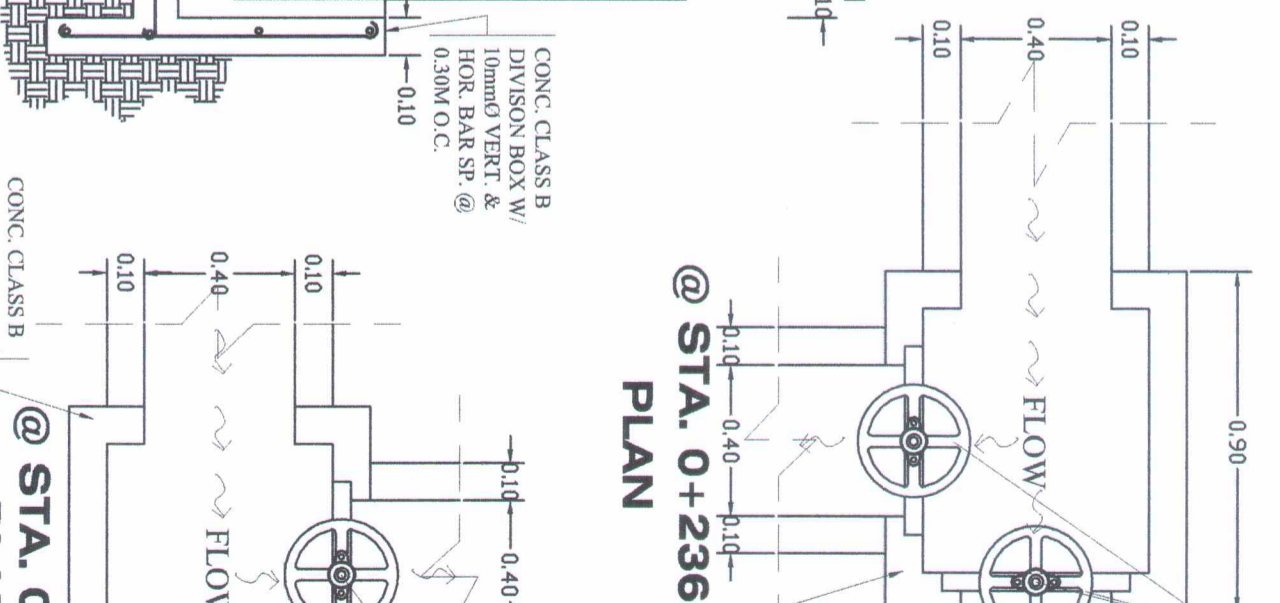
@ STA. 0+203



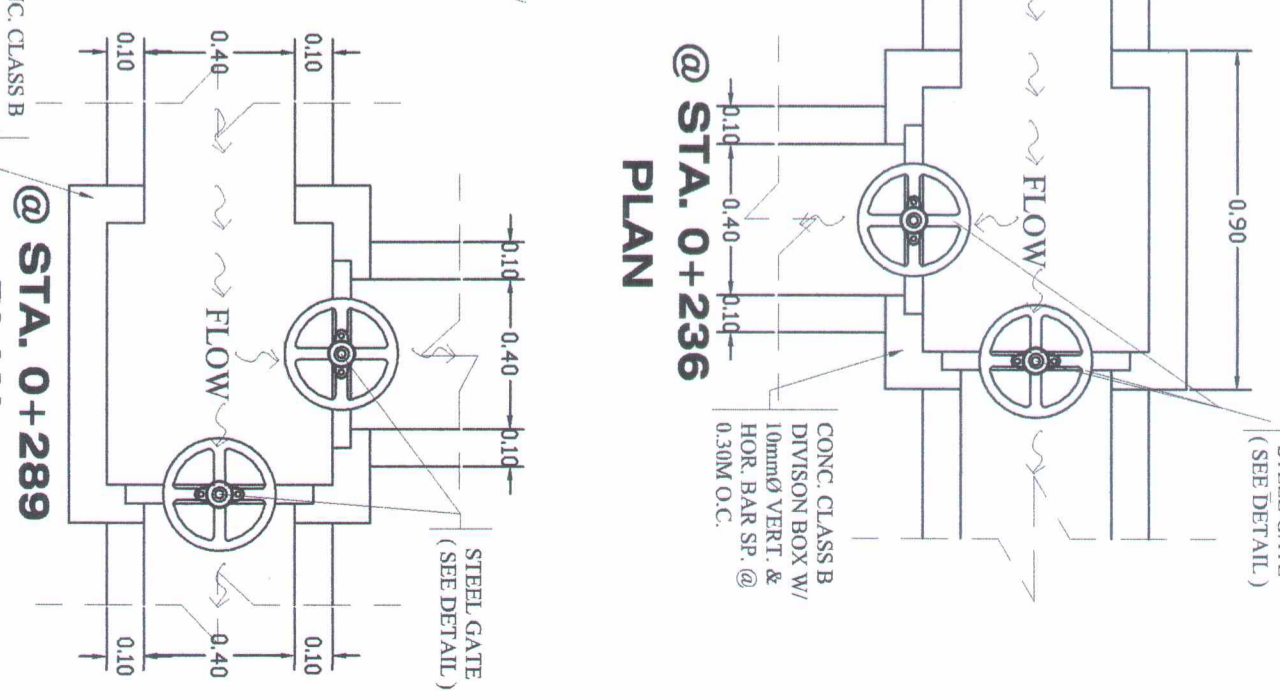
SECTION



@ STA. 0+236



@ STA. 0+289



DET./SEC. DIVISION BOX

SCALE 1: 20 MTS.

3 - set

Canal	Stations		Service Area (Ha.)	Design Q (lps)	Canal Bed Slope S	n	Trial depth (m)	base (m)	Computed Qn/S <sup>1.485</sup>	Computed Qn/S <sup>1.485</sup> w/ Reference to d	Velocity (mps)	Area (sq.m)	Wetted Perimeter P	Hydraulic Radius, R	Final B Width, m	Final D, m
	From	To														
Main	0+000	0+150	4	9.76	0.003000	0.015	0.10	0.40	0.0027	0.0066	0.60	0.04	0.60	0.07	0.40	0.40
	0+150	0+236	2	4.88	0.023000	0.015	0.12	0.40	0.0000	0.0085	1.80	0.05	0.64	0.08	0.40	0.40
	0+236	0+350	3	7.32	0.004000	0.015	0.14	0.40	0.00	0.0103	0.79	0.05	0.67	0.08	0.40	0.40
	0+350	0+400	2	4.88	0.005000	0.015	0.14	0.40	0.00	0.0106	0.89	0.06	0.68	0.08	0.40	0.50
LAT. C-A	0+203	0+363	3	7.32	0.007000	0.015	0.10	0.40	0.0013	0.0066	0.92	0.04	0.60	0.07	0.40	0.40
	0+363	0+405	2	4.88	0.012000	0.015	0.12	0.40	0.001	0.0085	1.30	0.05	0.64	0.08	0.40	0.40
	0+405	0+450	1.5	3.66	0.004000	0.015	0.14	0.40	0.00	0.0103	0.79	0.05	0.67	0.08	0.40	0.40
LAT. C-B	0+450	0+487	1	2.44	-	0.015	0.14	0.40	-	0.0106	0.68	0.06	0.68	0.08	0.40	0.40
	0+203	0+250	1.5	3.66	-	0.015	0.14	0.40	-	0.0106	0.68	0.06	0.68	0.08	0.40	0.40



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:

Checked by:

Reviewed by:

Submitted by:

Recommending Approval:

Approved by:

Name of Project:

Drawn by:

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CADD INPUT

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LUIS P. R. BALTAZAR  
OIC EPDS HEAD

JERRY A. EBONA  
OIC Chief AHD

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RTD. for Operation

RODEL P. TORNILLI, MABE  
Regional Executive Director

REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM

ALGERIA BARCELONA, SOSOROGON

AS SHOWN

Sheet No. 6/8

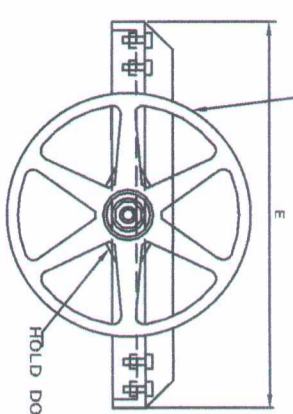
**SCHEDULE OF DIMENSIONS**

ITEM NO.	QUANTITY	DIMENSIONS (m.m.)									
		SIZE OF OPENING W <sub>o</sub>	SIZE OF GATE SLIDE W <sub>s</sub>	GATE SLIDE THICKNESS H <sub>s</sub>	LIFTING STEEL DIA. STIFFENER L	SIZE OF VERTICAL AND HORIZONTAL FRAME 600X700-70 600X700-70	TOP FRAME HANGER 75X50-50	STEM HANGER 75X50-50	COVER PLATE FILLER BAR 75X60 85X50	STOP NUT 75X60 85X50	LIFT NUT 75X60 85X50
A	450	400	400	10	600	600	75	75	75	75	75
B	200	133	350	70	89	800	38	1/2	5/8	H-14	
C	133	350	70	89	800	38	1/2	5/8	H-14		
D	350	70	89	800	38	1/2	5/8	H-14			
E	500	70	89	800	38	1/2	5/8	H-14			
F	70	89	800	38	1/2	5/8	H-14				
G	89	800	38	1/2	5/8	H-14					
H	800	38	1/2	5/8	H-14						
I	38	1/2	5/8	H-14							
J	5/8	H-14									

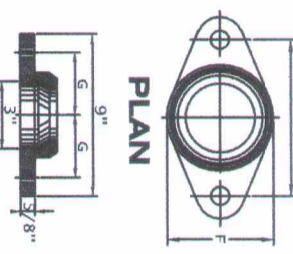
**GENERAL NOTES AND SPECIFICATIONS:**

The gate shall be provided as per dimensions and shape as shown in the plan. The materials to be used shall be new, good quality and shall conform to the following features:

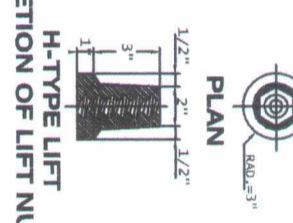
- Gate Slide, Filler Bars, Cover Plates, Cusset Plates and Stopper—Steel Plates Astma 295
- Angle Iron—Structural Steel Astma A98
- Lifting Bars—Cold Rolled Steel Astma A108-52T Grade 1045
- Lift Nuts and Stop Nuts—Bronze Astma B22 Grade D
- Handwheel and Hold Down Plates—Cast Iron Astma A48 Class 30
- Putting-Up Bolts and Nuts—Astma 293
- Ball Thrust Bearing—SKF No. 016 or Equivalent
- Coatings:
  - All Steel Parts—Hot Dipped Galvanized
  - All cast iron parts—Copper Spray
- All frictional Surfaces of the Gate Assembly shall be machined accurately to minimize friction.



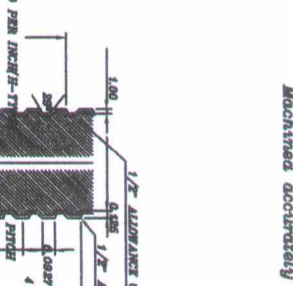
**PLAN**



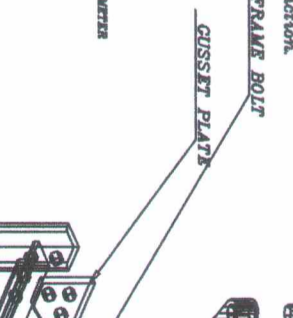
**PLAN**



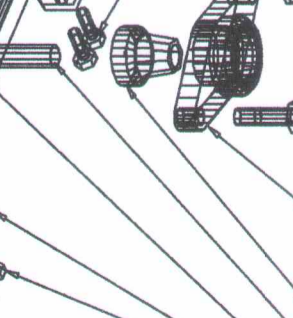
**SECTION OF HOLD DOWN PLATE**



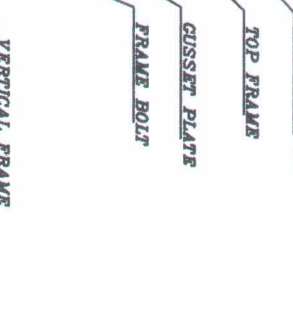
**ENLARGED DETAIL OF THREAD**



**DETAIL OF JOINT 'A' (REAR VIEW)**



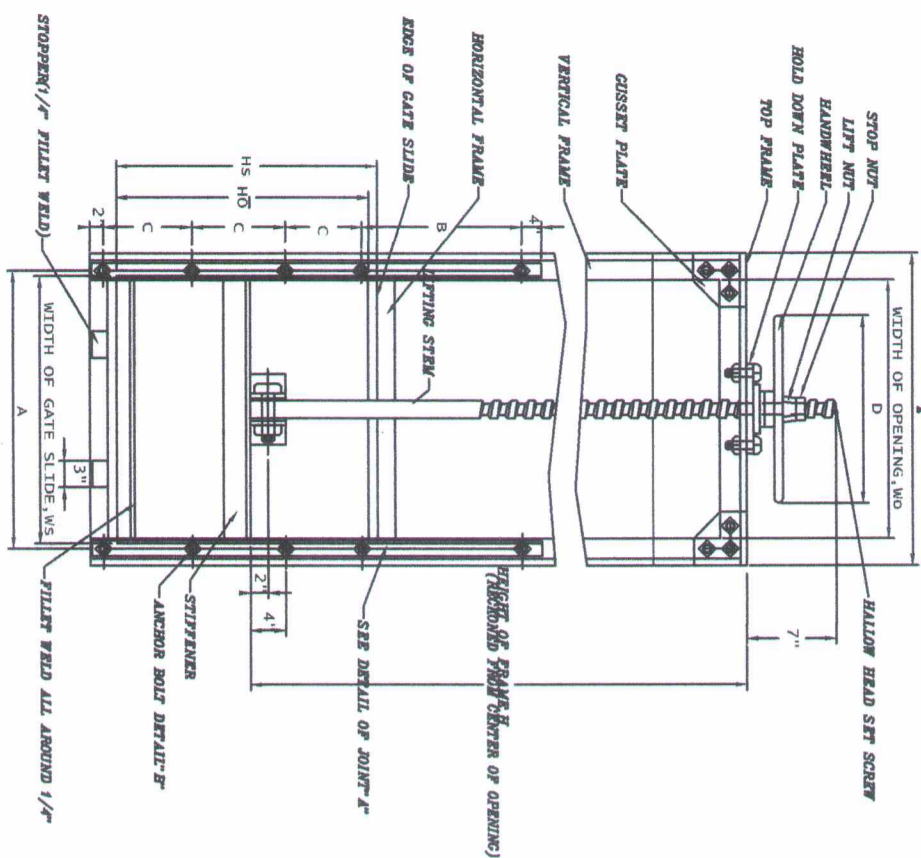
**SECTION THRU-'AA'**



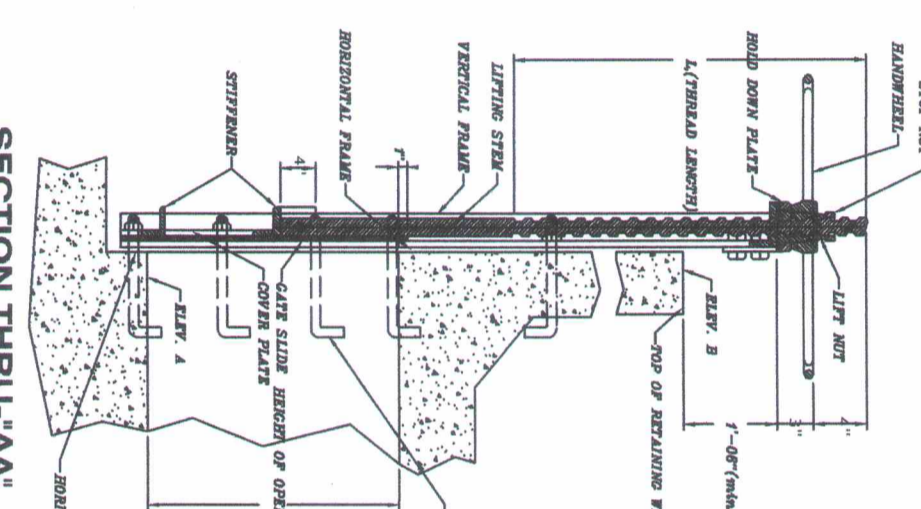
**SECTION THRU-'BB'**



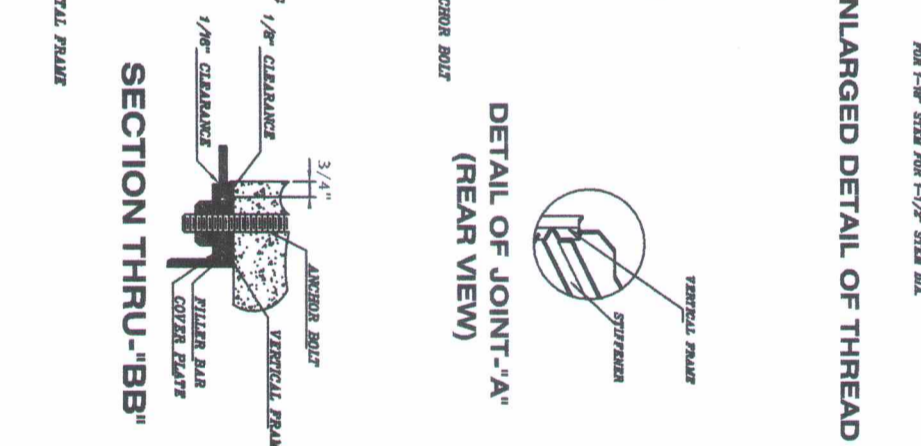
**PERSPECTIVE ASSEMBLY DETAIL**



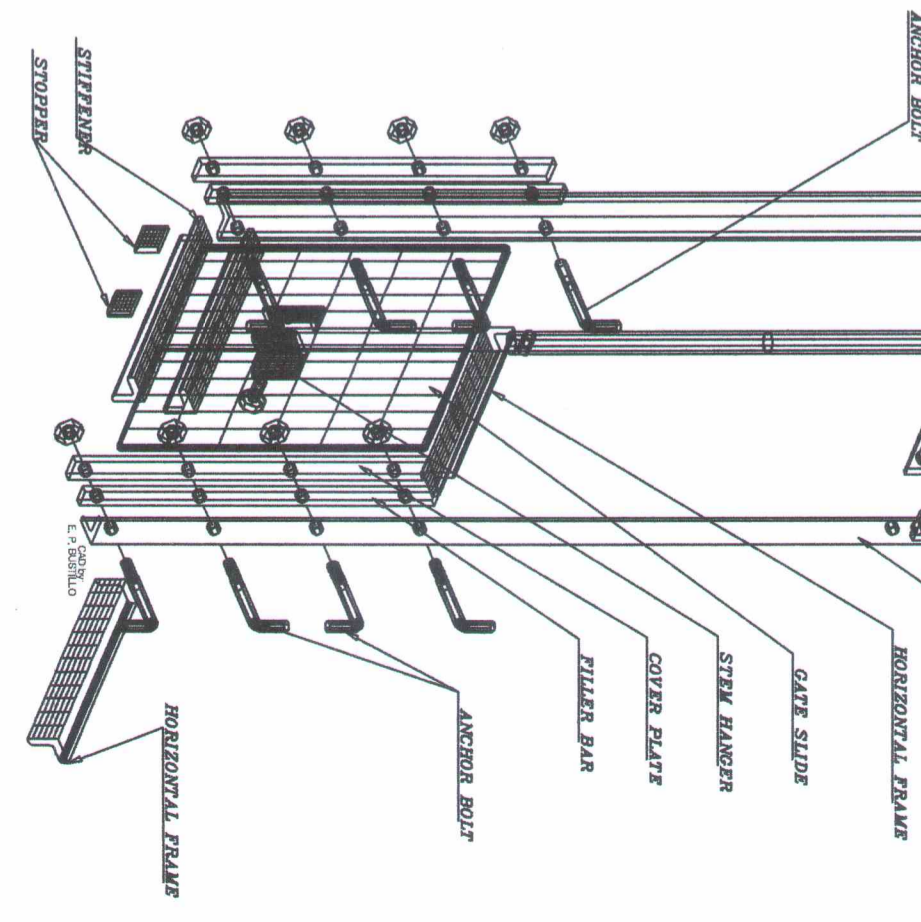
**FRONT ELEVATION**



**SECTION OF GATE SLIDE**



**RECTANGULAR SLIDE GATE**



**PERSPECTIVE ASSEMBLY DETAIL**



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

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Reviewed by:  
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DIC ENDS HEAD

Submitted by:  
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DIC-CHIEF

Recommending Approval:  
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RTD, for Operation

Approved by:  
RODEL P. TORRELLA  
Regional Executive Director

Name of Project: REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM  
Location: ALEGRIA, BARCELONA, SONSONGON  
Steel Contents: AS SHOWN

Drawn by: Russell  
DATE: \_\_\_\_\_  
Sheet No.: 7/8

DA LOGO



DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD OFFICE NO. 5  
San Agustin, Pili, Camarines Sur

**RICE PROGRAM C/Y2024**  
Fund Source

**REPAIR & IMPROVEMENT OF  
ALEGRIA DIVERSION DAM**  
Project Title

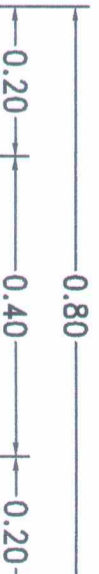
Brgy. Alegria, Barcelona, Sorsogon  
Project Location

Alegria Small Water Impounding  
System Association  
Beneficiaries

Date Completed

**NOTE:**

- PROVIDE CEMENT PLASTER FINISH ON BOTH FACES.
- CONCRETE MARKER SHOULD BE FINISH COATED WITH WHITE ENAMEL PAINT.
- ALL PROJECT INFORMATION AS INDICATED SHOULD BE WRITE IN NEAT AND CLEAR MANNER.
- BE SPECIFIC WITH THE SPELLING OF THE INDICATED NAME OF PERSONS AND THEIR RESPECTIVE DESIGNATION.



DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD OFFICE NO. 5  
San Agustin, Pili, Camarines Sur

**RICE PROGRAM C/Y2024**  
Fund Source

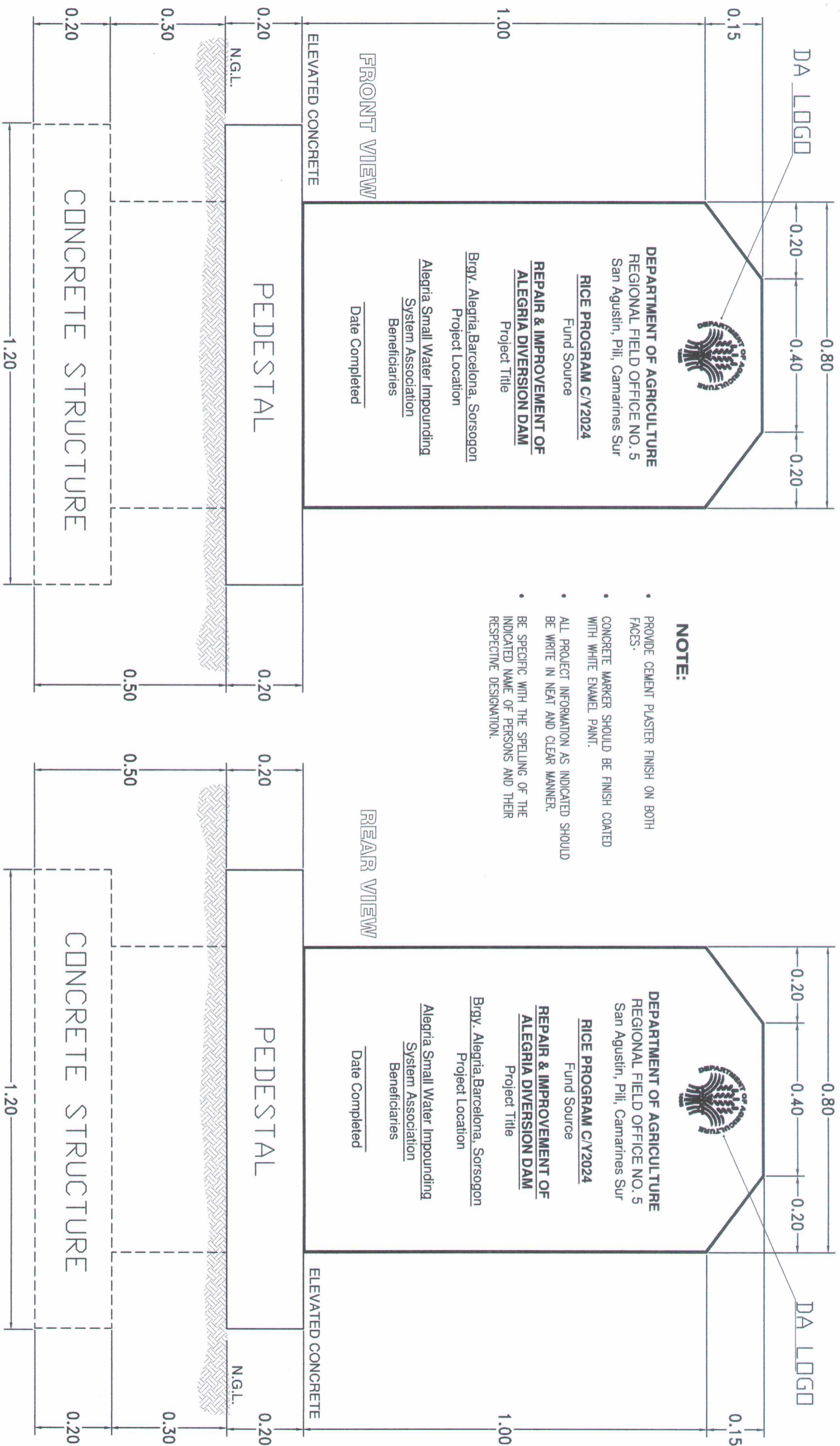
**REPAIR & IMPROVEMENT OF  
ALEGRIA DIVERSION DAM**  
Project Title

Brgy. Alegria, Barcelona, Sorsogon  
Project Location

Alegria Small Water Impounding  
System Association  
Beneficiaries

Date Completed

DA LOGO



**NEW CONCRETE MARKER OF RICE PROGRAM PROJECT**  
SCALE: 1:10m



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE  
REGIONAL FIELD UNIT NO. 5  
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:

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KONALDO A. PROLFO  
CAD IN-CHARGE

Checked by:

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ARTHUR B. MIRA  
ENGINEER II

Reviewed by:

*[Signature]*  
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OIC/ENGR'S HEAD

Submitted by:

*[Signature]*  
JERICK A. BRONIA  
OIC/CHIEF RAED

Recommending Approval:

*[Signature]*  
LIZ R. MARCELINO  
RTD, for Operation

Approved by:

*[Signature]*  
RODEL P. TORRILLANA  
Regional Executive Director

Name of Project:

REPAIR & IMPROVEMENT OF ALEGRIA DIVERSION DAM

Location:

ALEGRIA, BARCELONA, SORSOGON

Sheet Contents:

AS SHOWN

Checked by:

Rollid

DATE

Sheet No.

8/8