

NAME OF PROJECT: **CONSTRUCTION OF SAN ISIDRO DIVERSION DAM**  
LOCATION: Brgy. San Isidro, Malilipot, Albay  
AMOUNT: **Php2,970,222.66**  
SUBJECT: **BILL OF QUANTITIES AND COST PROPOSAL**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Ps)	AMOUNT (Ps)
1.0	Construction of Camp, Temporary Facilities & Movement of Equipment	L.S.	1.0		
2.0	Diversion of Water and Care of Creek	L.S.	1.0		
3.0	Construction Safety And Health	L.S.	1.0		
4.0	<b>Dam Structure</b>				
4.1	Common Excavation	Cu.m.	30.00		
4.2	Structural Backfill/backfilling	Cu.m.	14.00		
4.3	Concrete Class "A" With Forms	Cu.m.	24.00		
4.4	Concrete Class "A" Without Forms	Cu.m.	11.00		
4.5	Reinforcing Steel Bars	Kgs	1,050.00		
4.6	AggregateSub Base Course	Cu.m.	3.00		
4.8	Rectangular Slide Gate	L.S.	2.00		
4.9	5mm PVC Pipe Weep Hole	m	20.00		
4.10	1 1/2" G.I. Pipe S40 Railings	L.S.	1.00		
<b>Sub-Total</b>					
5.0	<b>Canal Works (560 L.M.)</b>				
5.1	Common Excavation	Cu.m.	293.00		
5.2	Structural Backfill/backfilling	Cu.m.	193.00		
5.3	Concrete Class "B" With Forms	Cu.m.	47.00		
5.4	Concrete Class "B" Without Forms	Cu.m.	51.00		
5.5	Reinforcing Steel Bars	Kgs	3,657.00		
5.7	AggregateSub Base Course	Cu.m.	40.00		
<b>Sub-Total</b>					
6.0	<b>Slope Protection (55 L.M.)</b>				
6.1	Common Excavation	Cu.m.	10.0		
6.2	Structural Backfill/backfilling	Cu.m.	6.0		
6.3	Concrete Class "B" With Forms	Cu.m.	11.0		
6.5	5mm PVC Pipe Weep Hole	m	10.00		
6.6	Grouted Riprap	Cu.m.	68.0		
<b>Sub-Total</b>					
7.0	<b>Division Box (1 units)</b>				
7.1	Common Excavation	Cu.m.	2.00		
7.2	Structural Backfill/backfilling	Cu.m.	1.00		
7.3	Concrete Class "B" With Forms	Cu.m.	1.00		
7.4	Reinforcing Steel Bars	Kgs	30.00		
7.5	Wooden Flush Board	Bd. Ft.	3.00		
7.6	AggregateSub Base Course	Cu.m.	1.00		
<b>Sub-Total</b>					
10.0	<b>End Check (2 units)</b>				
10.1	Common Excavation	Cu.m.	2.00		
10.2	Structural Backfill/backfilling	Cu.m.	1.00		
10.3	Concrete Class "B" With Forms	Cu.m.	1.00		
10.4	Reinforcing Steel Bars	Kgs	30.00		
10.5	AggregateSub Base Course	Cu.m.	1.00		
<b>Sub-Total</b>					
12.0	<b>Billboard/ Marker</b>	LOT	1.00		
<b>Sub-Total</b>					
<b>TOTAL</b>					
<b>TOTAL PROJECT COST</b>					<b>3,960,000.00</b>

Note: All Taxes, contractors profit and hauling costs 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.**

**PROJECT TITLE**

**CONSTRUCTION OF  
SAN ISIDRO DIVERSION DAM**

**LOCATION: BRGY. SAN ISIDRO, MALUPOT, ALBAY**

*PREPARED BY:*

**RAED OFFICE**



# SHEET CONTENT :

1	SHEET CONTENT
2	TOPOGRAPHIC MAP AND FARM PLAN
3	SITE DEVELOPMENT PLAN
4	GENERAL PLAN DETAIL OF THRU SECTION "A-A"
5	DETAIL THRU SECTION "B-B"
6	DETAIL OF COLUMN AND FOOTING DETAIL OF WALL AND COUNTER PORT
7	DETAIL OF END SILL DETAIL OF RETAINING WALL
8	DETAIL OF END CHECK DETAIL OF TURN-OUT
9	DETAIL OF CONCRETE CANAL, DIVISION BOX AND SLOPE PROTECTION
10	DETAIL OF RECTANGULAR SLIDE GATE
11	DETAIL OF PROJECT MARKER

REPUBLIC OF THE PHILIPPINES  
 DEPARTMENT OF AGRICULTURE  
 REGIONAL FIELD UNIT NO. 5

Prepared by <i>[Signature]</i> JERISSON A. REGALADO	Reviewed by <i>[Signature]</i> ANTONIO R. MORA	Checked by <i>[Signature]</i> JERRY A. JUNG	Submitted by <i>[Signature]</i> NIL DE LA CRUZ	Inscribed by <i>[Signature]</i> LIZ R. MARCELINE	Approved by <i>[Signature]</i> RODOLFO FORNIA, MAJE
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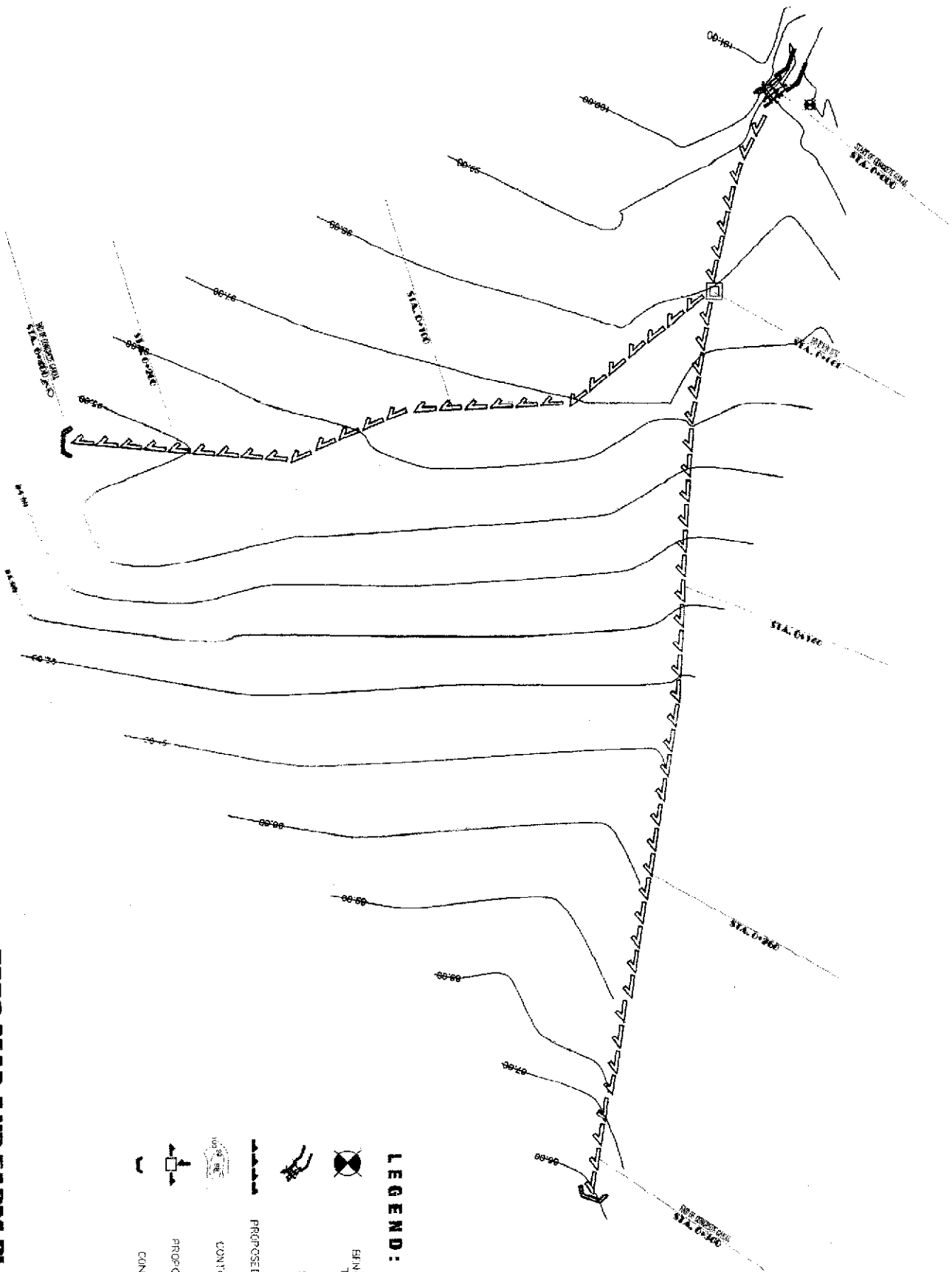
Name of Project Construction of San Isidro Diversion Dam	Scale 1:1000
Location Barangay San Isidro, Marikina City	Date 1981

Prepared by: *[Signature]*  
Reviewed by: *[Signature]*

Submitted by: *[Signature]*







Recommending Approval: *[Signature]*  
Approved by: *[Signature]*

Name of Project: Construction of San Isidro Diversion Dam  
Location: Brgy. San Isidro, Marikina City



**TOPO MAP AND FARM PLAN**  
SCALE 1:1500 MTS

**LEGEND:**

-  BENCH MARK FOOT OF TREE TL 100.00
-  PROPOSED DAM
-  PROPOSED CONCRETE CANAL LINE
-  CONTOUR LINE (1 METERS INTERVAL)
-  PROPOSED DIVERSION BOX
-  COND. END CHECK

Prepared by:  
*[Signature]*

Checked by:  
*[Signature]*

Reviewed by:  
*[Signature]*

Submitted by:  
*[Signature]*

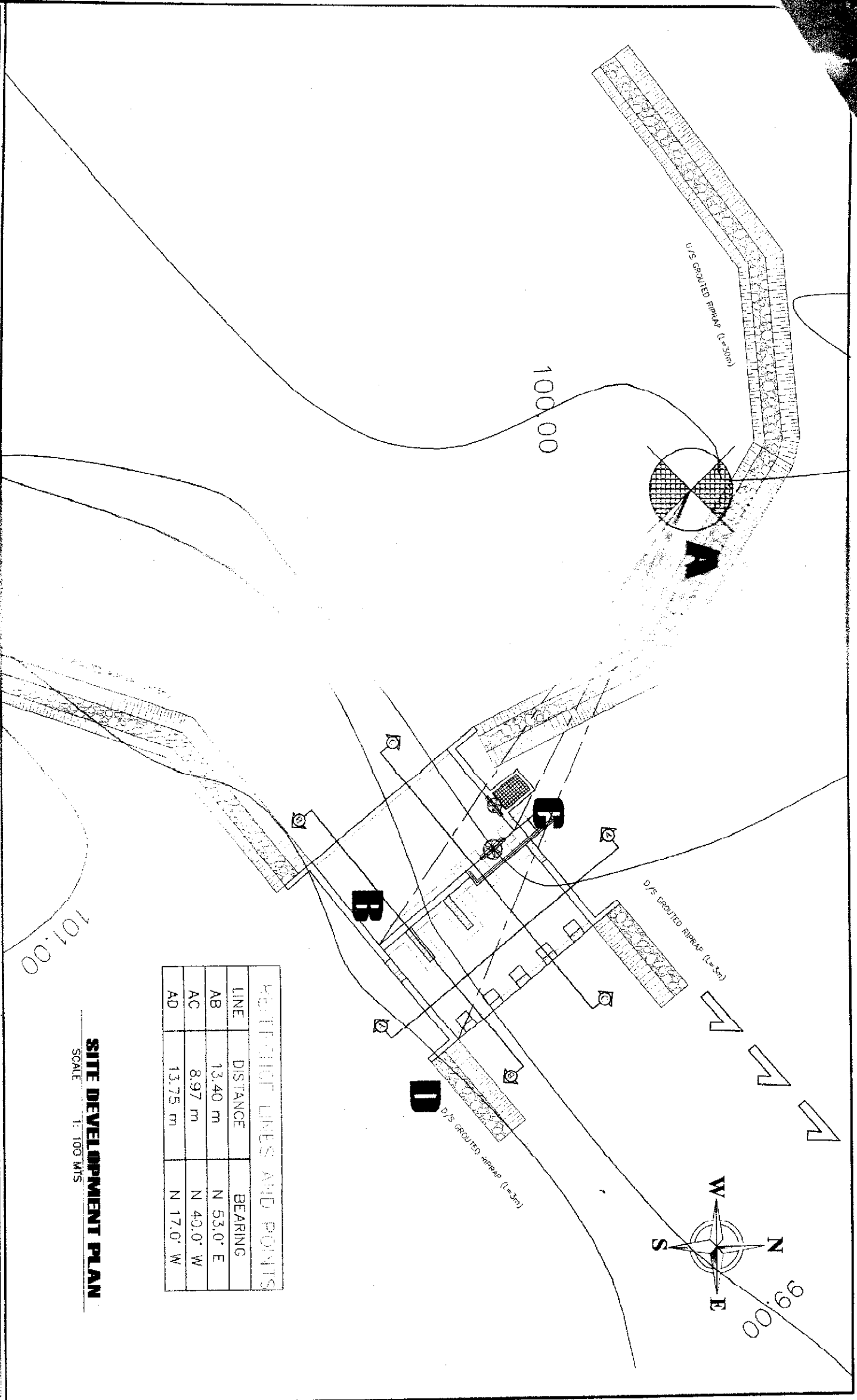
Approved by:  
*[Signature]*

Adjusted by:  
*[Signature]*

Name of Project:  
Construction of San Isidro Diversion Dam

Location:  
Baray San Isidro, Marikina, Albay

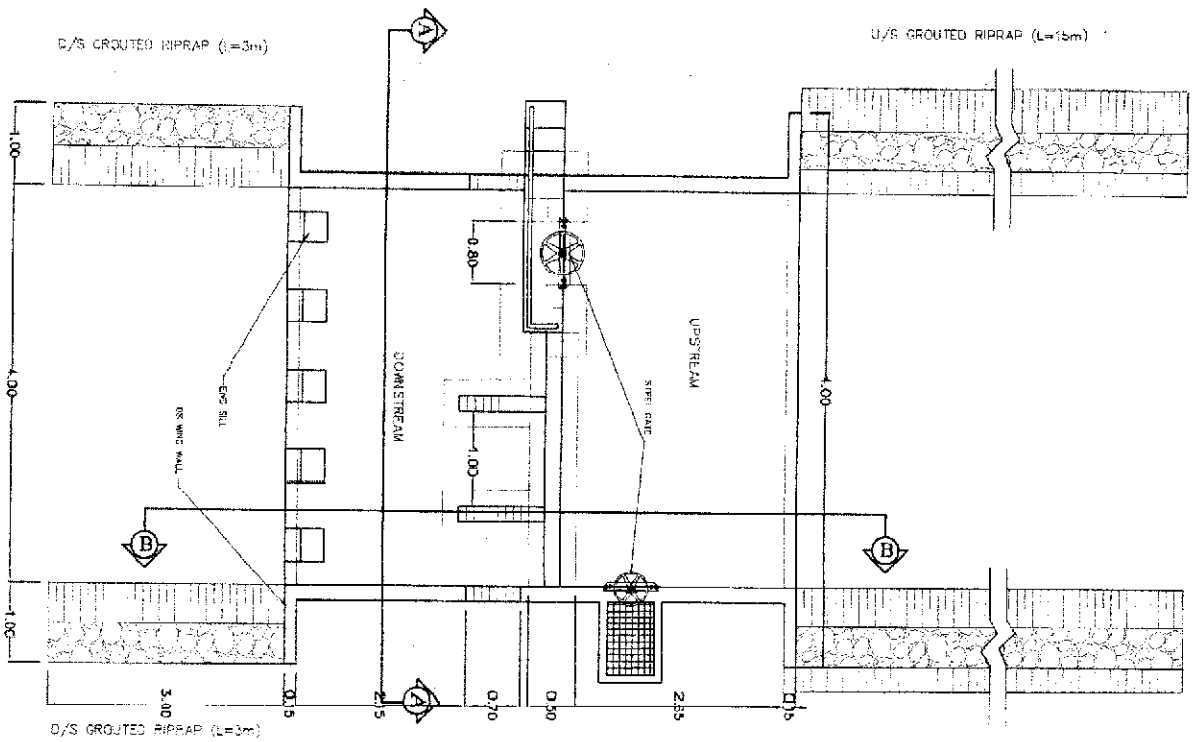
Date:  
01/20/77



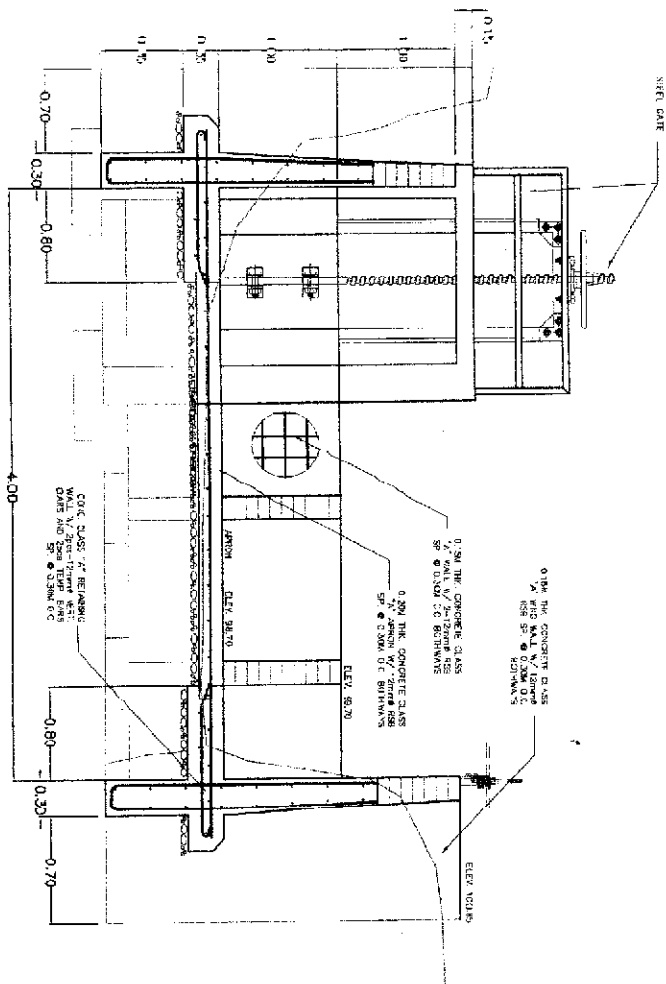
LINE	DISTANCE	BEARING
AB	13.40 m	N 53.0° E
AC	8.97 m	N 40.0° W
AD	13.75 m	N 17.0° W

**SITE DEVELOPMENT PLAN**  
SCALE 1:100 MTS

**GENERAL PLAN OF DAM**  
 SCALE 1: 75 MTS



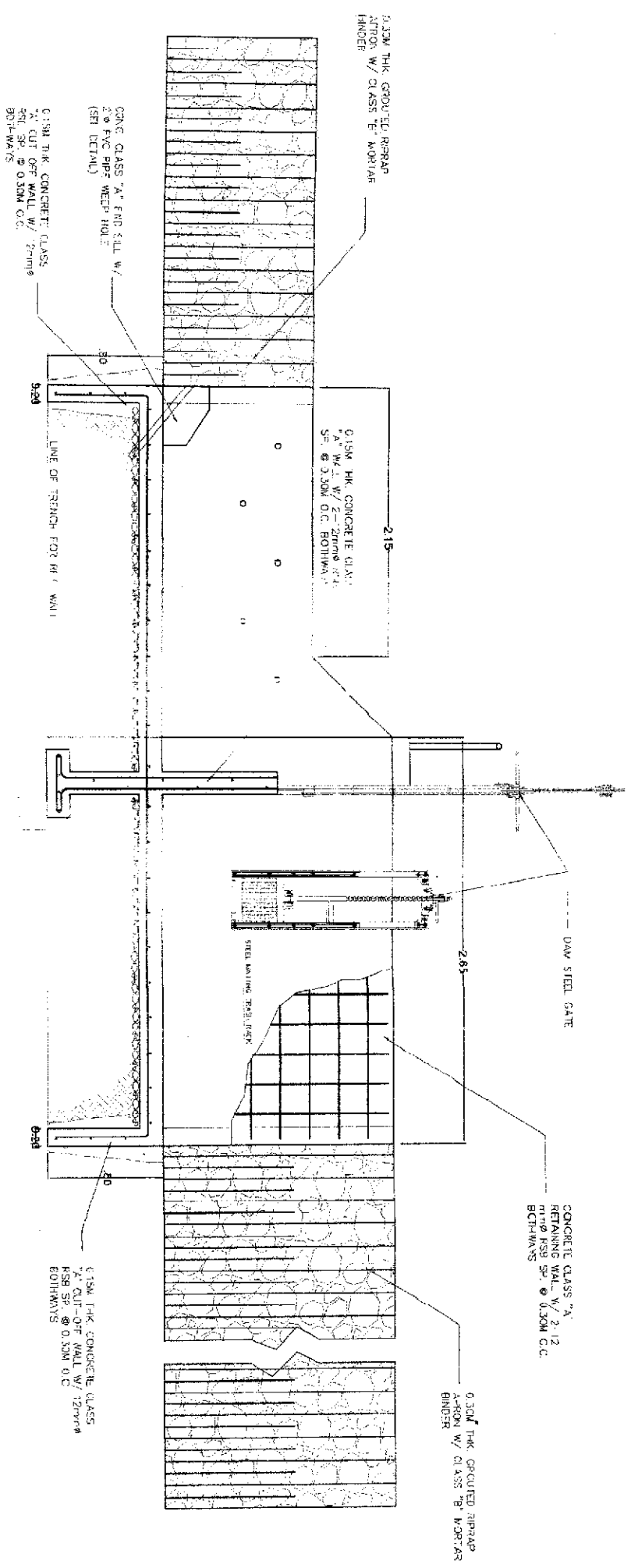
**DETAIL THRU SECTION "A-A"**  
 SCALE 1: 50 MTS



Prepared by	Checked by	Reviewed by	Approved by
JUDYSON A. REGALARIO	JOSEPH M. MORA	JOSEPH M. MORA	JOSEPH M. MORA

Contract Title	DATE
Construction of San Isidro Diversion Dam	2/20/20
Design Engineer	DATE
Engr. San Isidro, Malinao, Albay	2/20/20

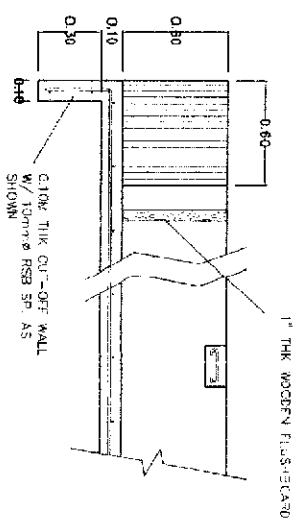
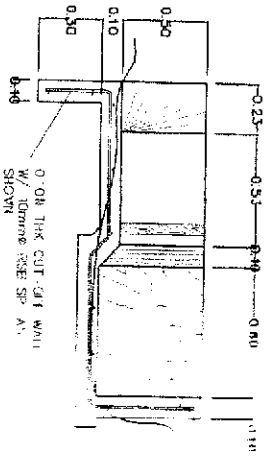
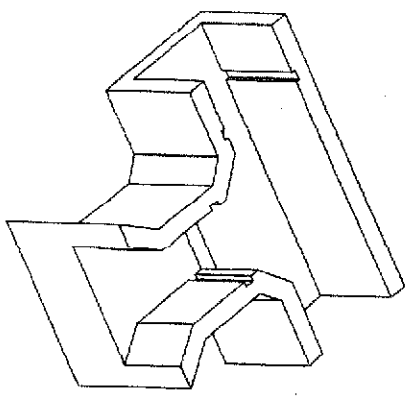
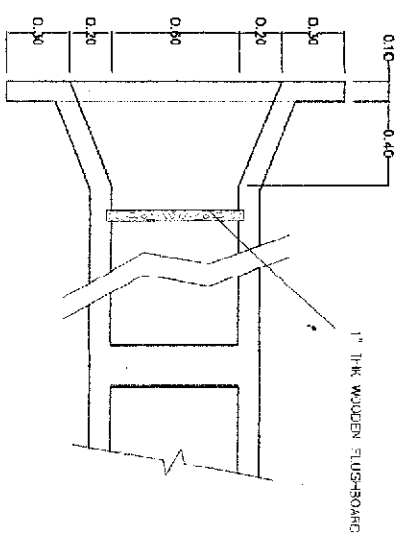
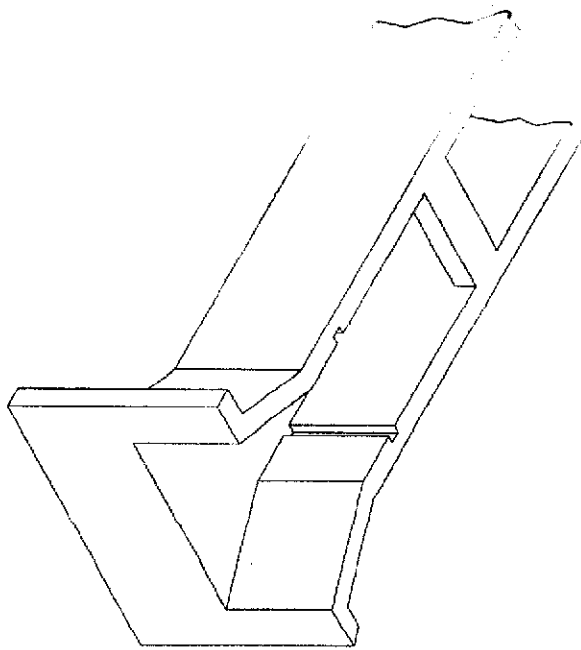
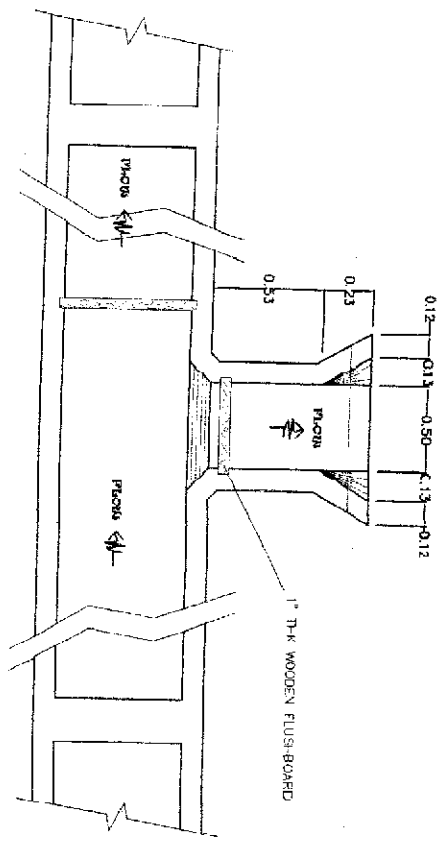
**DETAIL THRU SECTION "B-B"**  
 SCALE 1:40 VTS











**DETAIL OF TURN OUT STRUCTURE**

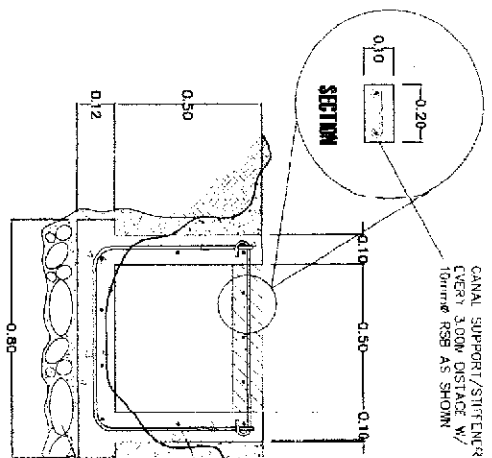
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**DETAIL OF END CHECK**

N.T.S.

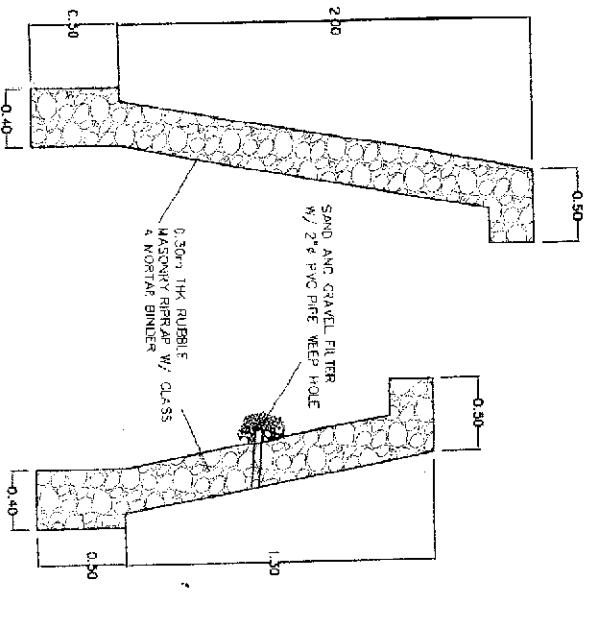
REPUBLIC OF THE PHILIPPINES  
 REGIONAL FIELD UNIT NO. 5  
 SAN AGUSTIN, 9th CADADEROS ST. R

Prepared by JERISSA A. ESPALARDO	Reviewed by ANTHONY MIRA	Finalized by JERRY A. ERMAHA	Checked by [Signature]	Approved by [Signature]	Date [Blank]
Name of Project Construction of San Isidro Diversion Dam					
Location Brgy. San Isidro, Malibyam, Agos					
Scale [Blank]	Sheet No. [Blank]	[Blank]			

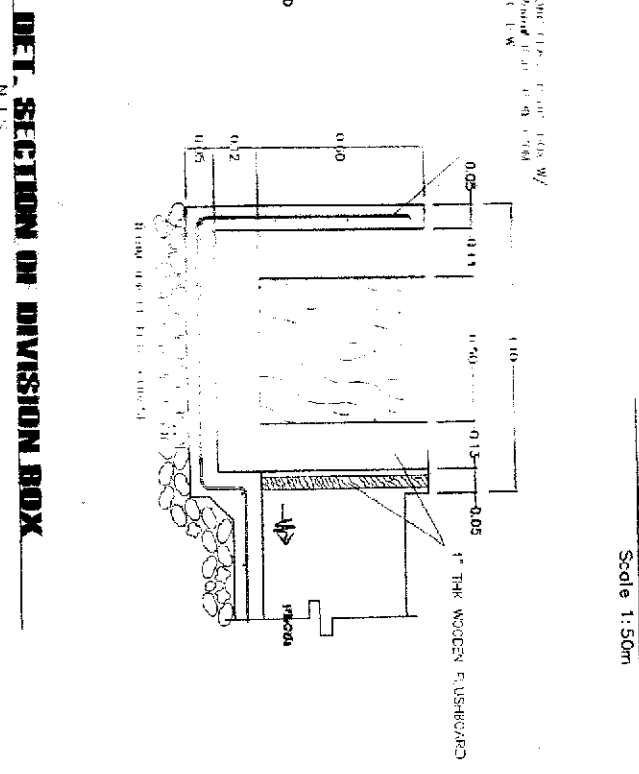
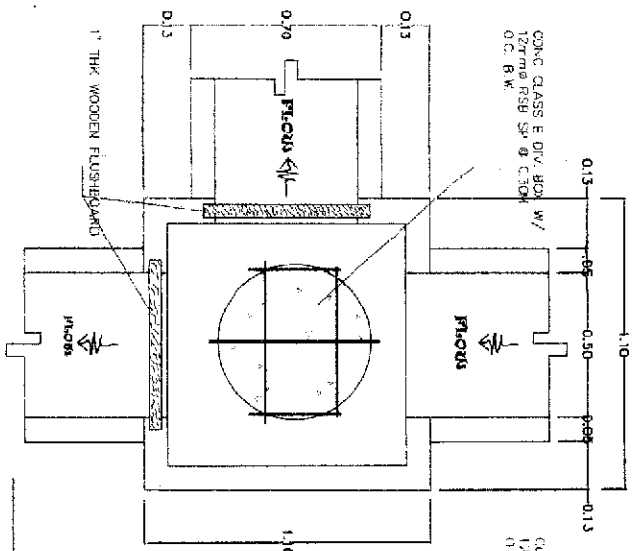


**DETAIL OF MAIN CANAL**  
Scale 1:50m

CONCRETE FOR 1.50M  
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**DETAIL OF SLOPE PROTECTION**  
Scale 1:50m



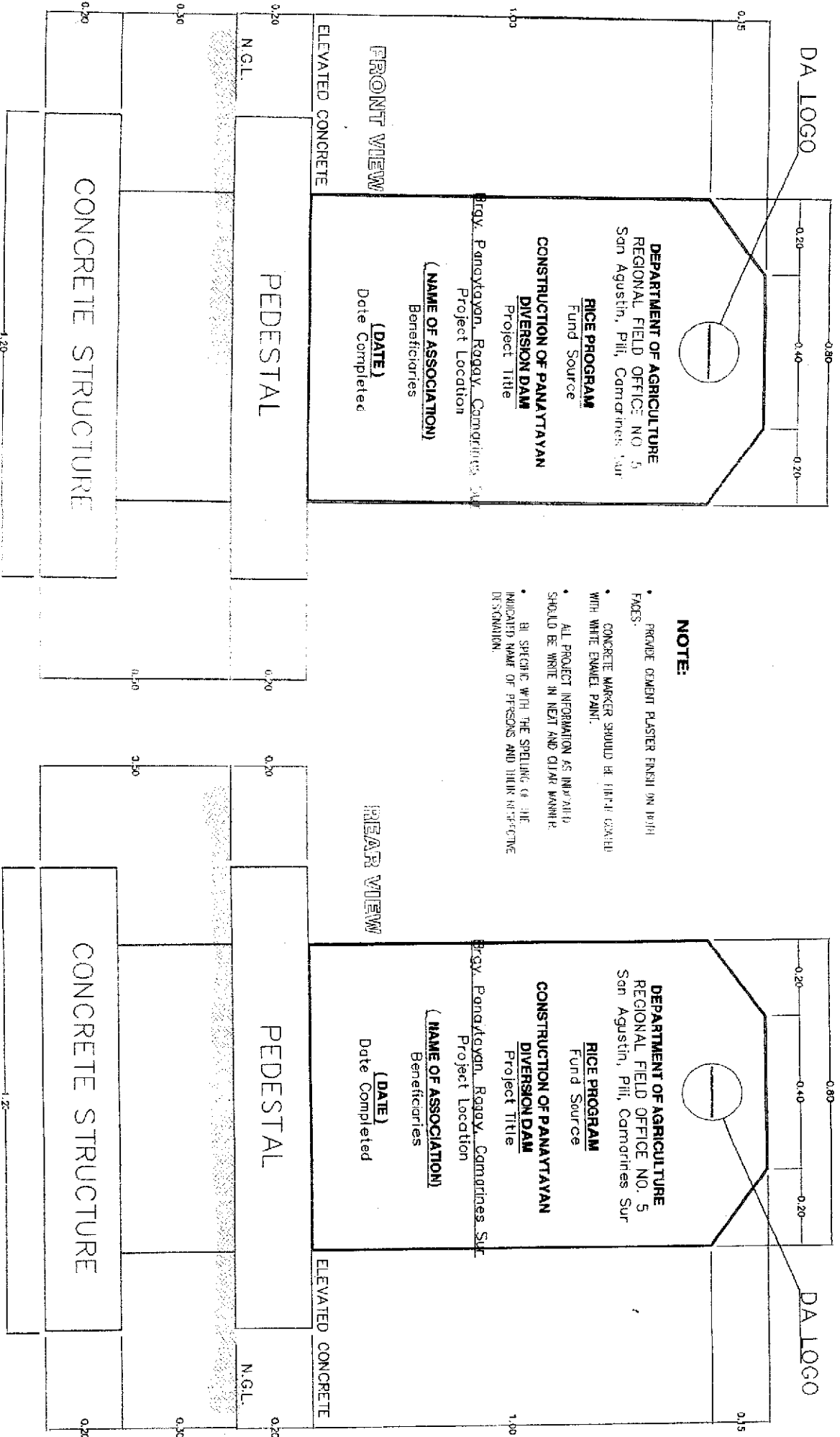
**DET. SECTION ON DIVISION BOX**  
N.T.S.

REPUBLIC OF THE PHILIPPINES  
REGIONAL FIELD UNIT NO. 5

Prepared by: JEFREY S. RICALARDO	Reviewed by: ARTHUR C. AMBA	Subscribed by: JERRY A. LIGUA	Checked by: MILAN S. ...	Approved by: RODOLFO ...	Drawn by: ...
Construction of San Isidro Diversion Dam					
Diag. San Isidro, Marikina, Alibon					
DATE:	SCALE:				



**NEW CONCRETE MARKER OF RICE PROGRAM PROJECT**  
SCALE: 1:100



**NOTE:**

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

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REGIONAL FIELD UNIT NO. 5	
Prepared by: JIMMYMAN A. REGALADO	Prepared by: JIMMYMAN A. REGALADO
Checked by: RENE A. TORRES	Checked by: RENE A. TORRES
Submitted by: JIMMYMAN A. REGALADO	Submitted by: JIMMYMAN A. REGALADO
Approved by: ROBERTO P. ANIBAL Regional Engineer	Approved by: ROBERTO P. ANIBAL Regional Engineer
Name of Project: Construction of San Isidro Diversion Dam	Date: JUL 04/88