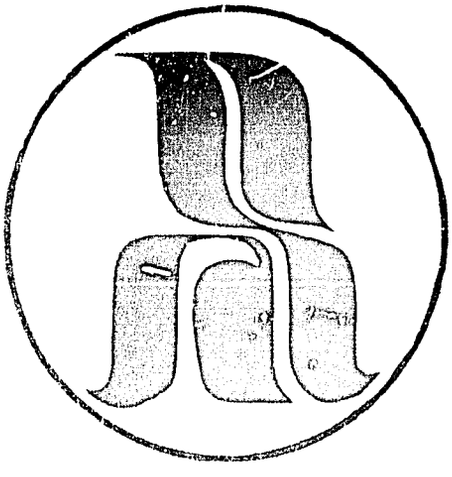
RINCONADA / BUHI - LALO
(BICOL INTEGRATED AREA DEVELOPMENT - III)

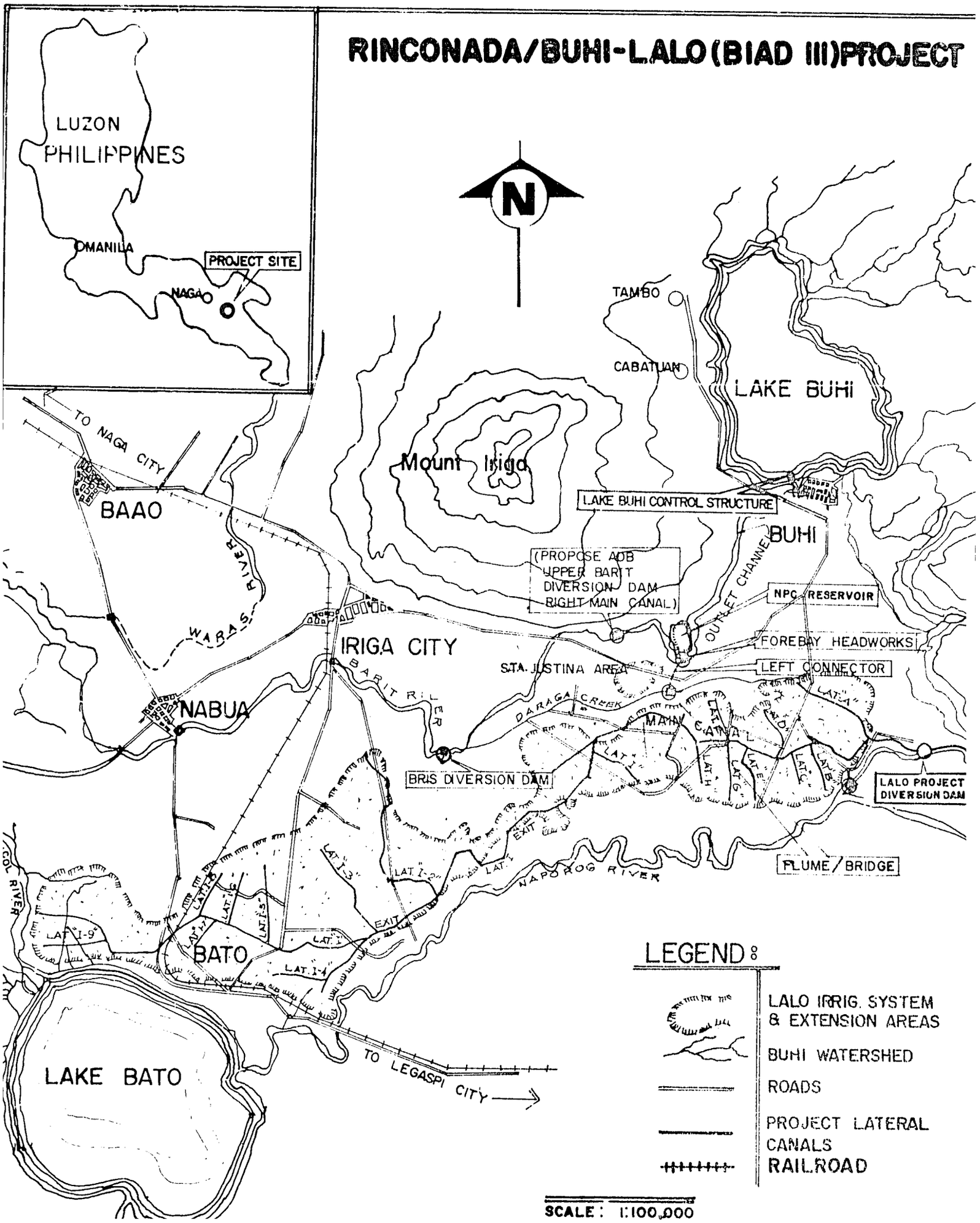
A.I.D. LOAN NO. 492-T-056 A & B

492 0289/53

PROGRESS REPORT



RINCONADA/BUHI-LALO (BIAD III) PROJECT



Republika ng Pilipinas
PAMBANSANG PANGASIWAAN NG PATUBIG
(NATIONAL IRRIGATION ADMINISTRATION)
OFFICE OF THE CHIEF FIELD ENGINEER
Rinconada/Buhi-Lalo (BIAD III) Project
Sta. Elena, Iriga City

February 15, 1982

FOR : The ASSISTANT ADMINISTRATOR for
Project Development & Implementation
National Irrigation Administration
EDSA, Quezon City

FROM : The REGIONAL IRRIGATION DIRECTOR
NIA, Region V
Naga City

SUBJECT : MONTHLY PROGRESS REPORT FOR THE PERIOD ENDING FEBRUARY 15, 1982.

I have the honor to submit herewith the Monthly Progress Report of the Rinconada/Buhi-Lalo (BICOL INTEGRATED AREA DEVELOPMENT III) Project for the period ending February 15, 1982.

ORIGINAL SIGNED
CRISANTO A. GIMPAYA
Regional Irrigation Director

Encls.: a/s

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Rinconada/Buhi-Lalo (BIAD III) Project
Sta. Elena, Iriga City

SUB-ALLOTMENT ADVICES RECEIVED

	Amount of Sub-Allotment Received	SAA No.	CDC No.	CODE	FUND CODE	C.O. OBLIG. No.	R.O. OBLIG. No.	C.O. JV. No.
	₱ 121,520.00	1642-79	1067-79	20	102	409-102-12-207-79	409-102-12-10-79	3254636
	440,000.00	1740-79	1160-79	80	102	409-102-12-499-79	409-102-12-50-79	2796490F
	4,550.00	1849-79	1260-79	4-31	102	409-102-12-678-79	409-102-12-678-79	3254646
	900,000.00	165-80	128-80	4-31	102	409-102-12-678-79	409-102- 3- 7-80	3254672
	98,590.00	257-80	205-80	4-31	102	409-102-12-678-79		
	2,000,000.00	948-80	764-80	4-31	102	409-102- 7-175-80		
	57,270.00	1190-80	946-80		102	409-102- 9-152-80		
	450,000.00	1496-80	1188-80		102	409-102-11-115-80		
Sub-Total	₱4,071,930.00							
	272,873.00	64-81	59-81	4-31	102	409-102- 1-197-81		
	1,865,311.00	265-81	235-81	4-31	102	409-102- 3- 43-81		
	1,671,680.00	510-81	440-81	4-31	102	409-102- 4-329-81		
	836,090.00	511-81		4-31	501	409-501- 4-375-81		
	330,000.00	863-81	704-81	4-31	102	409-102- 8-251-81		
	113,910.00	939-81		4-31	501	409-501- 9-174-81		
	1,400,000.00	1042-81		4-31	501	409-501- 9-1075-81		
	1,542,100.00	1235-81		4-31	501	409-501-11- 25-81		
Sub-Total	₱8,031,964.00							
	720,000.00	28-82F		4-31	501	409-501- 1- 5-82		
	3,525,250.00	124-82F		4-31	501	409-501- 2- 4-82		
Sub-Total	₱4,245,250.00							
TOTAL	₱16,349,144.00							

PREPARED BY:

GAY OPHELIA B. TINO
Corporate Bookkeeper A

CHECKED BY:

VIRGILIO F. BRUSAS
Supervising Engineer A

SUBMITTED BY:

FELICIANO B. BERDIN
Chief Field Engineer

NARRATIVE REPORT

PROJECT ACTIVITIES

I. PHYSICAL ACTIVITIES:

The overall physical accomplishment of the Rinconada/Buhi-Lalo (BIAD III) Project as of February 15, 1982 is evaluated at 23.93%. The programmed accomplishment is 23.82%.

A. ENGINEERING DIVISION:

a. Design Section

I. Upper Lalo

1. Designed the last two farm ditch crossings at RAMC-SP-2A, two road crossings (RALAT G-1) & RAMC-SP-2, one drainage crossing at RAMC-8 and one additional bullcart crossing at Sta. 3 + 495.30, MC.

II. Lower Lalo

1. Design of New Main Canal up to Sta. 18 + 311.70, Bustrac, Bato, Camarines Sur.

2. Design of Canal Structures as follows:
   a. vertical drop at Sta. 2+540, Sta. 2+664, and Sta. 3+314.
   b. thresher crossing and drop - Sta. 2+788.50.
   c. thresher crossing - Sta. 4+076.80.
   d. thresher crossing and check - Sta. 5+446.80.
   e. road crossing - Sta. 3+155.70, Sta. 4+681.70, and Sta. 5+797.75.
   f. drainage crossing - Sta. 4+515.00.
   g. multi RCP drainage crossing - Sta. 7+877.
   h. headgate of Lateral L - Sta. 11+310.

3. Walk-through at RALAT L-6, L-7, Lateral P, L and Zone VI-B (New).

Plans & Programs Section

1. Preparation of estimates and individual program of works of remaining terminal facilities, structures for Upper Lalo and LCC.

2. Plot and Estimate Accomplishment of Small Package Contract.

3. Revision of estimates for New Main Canal due to shifting of lines and revision of design.

4. Coordinate with different Sections on program implementation.

5. Preparation of Flow Charts for different administrative processes.

c. Survey and Right-of-Way Section

I. Accomplished as of this period:

1. Traverse, profile and cross-section of shifted line - A of NMC from Sta. 17+480-Sta. 18+311.70.

2. Traverse, profile and cross-section of shifted line - B from Sta. 17+860 - Sta. 18+263.25.

3. Traverse, profile and cross-section of Lat. O, Sta. 0+000 - Sta. 3+518.37.

4. Traverse, profile and cross-section of Lat. N, Sta. 0+000 - Sta. 2+971.13.

5. Traverse, profile and cross-section of Lat. T, Sta. 0+000 - Sta. 1+020.

6. Traverse, profile and cross-section of Lat. S, Sta. 0+000 - Sta. 1+300.

7. Traverse, profile and cross-section of Lat. L, Sta. 0+000 - Sta. 4+080.

8. Profile of RALAT T-1, T-2 and T-5.

II. On-going

1. Traverse, profile and cross-section of Lat. K.

2. Traverse, profile and cross-section of Lat. P.

3. Staking of access roads of contractor's contract at NMC and Lourdes Road to Rapids.

4. Survey of accomplished work of farmers of terminal facilities at Upper Lalo,

5. Parcellary of landowners' lot/rotational area at Upper Lalo RIS.

Right-of-Way

1. Negotiation of canal and access road (Lower Lalo) from Salvacion, Iriga City to San Vicente, Bato, Camarines Sur.

2. Acquisition of two (2) watermaster working stations (WMT) site - San Antonio, Iriga City and Tirik-Tirikan, Iriga City.

3. Payment for damages incident to the construction of access road in San Antonio and La Medalla, Iriga City.

d. Monitoring, Cost and Evaluation Section

1. Revision of CMD Form Y-1a and Y-2a for CY 1982.

2. Continued updating records of project expenditures.

3. Issuance of SJO numbers to requested items on vouchers.

4. Control and evaluation of construction materials.

5. Compilation of plans, estimates, cross-section and profiles for evaluation and inventory.

6. Preparation of monthly report.

e. Materials & Testing Section

1. Control on concreting works at NPC Intake and Left Connector Canal Structures.

2. Control on service road construction at the New Main Canal from Los Angeles area to Masoli area.

3. Conduct Field Density Test for road embankment.

4. Investigate quarry areas for selected borrow base coarse materials and for impervious materials.

STATUS REPORT
as of FEB. 15, 1982

PROJECT TITLE / COMPONENTS	ESTIMATED QUANTITIES	STATUS				TOTAL % ACC.
		ON-GOING	COMPLETED	NOT YET STARTED	DELETED	
PHYSICAL CONST WORKS						
1. Lake Buhi Control Structure	1 unit			1		
2. Barit River Channel Improvement	3 kms			3		
3. Daraga River Flume/Bridge	1 unit			1		
4. Forebay Headworks @ NPC Dam						
a) Intake Structure	1 unit			1		
b) Steel Gates	6 units			6		
5. Left Connector Canal						
a) Canal Structure	17 units	2	9	6		54.02
b) Service Roads	2.38 kms		1.60	0.78		72.16
c) Canalization	2.38 kms		1.60	0.78		53.49
d) Canal Lining	2.38 kms	0.09	0.753	1.537		27.58
e) Steel Gates	6 units			6		
6. Upper Lalo Rehab						
a) Canal Structure	17		17			87.87
b) Service Roads	8.32		7.73	0.59		92.91
c) Canalization	10.88		10.88			100
d) Canal Lining	0.200		0.20			100
e) Repair of Diversion Dam	1 unit	1				2
7. Terminal Facilities						
a) Upper Lalo Rehab						
1. Turnout	32 units	2	27		3	98.21
2. Division Box	65 units	3	57		5	97.69

STATUS REPORT
as of FEB. 15, 1982

PROJECT TITLE / COMPONENTS	ESTIMATED QUANTITIES	STATUS				TOTAL % ACC.
		ON-GOING	COMPLETED	NOT YET STARTED	DELETED	
3. Farmditch x -ing	75 units	8	61	6		86.67
4. Check & Drop	53 units	5	30	12	6	72.64
5. Ditch Transition	16 units	5	7		4	84.38
6. Drainage x-ing	13 units	5	8			80.77
7. Road x-ing	28 units	1	27			98.21
8. RCP x-ing	1 unit		1			100
9. Floodway	1 unit		1			100
10. Bullcart x-ing	2 units		2			100
11. MFD	19.37 km	0.48	18.89			98.76
12. SFD	55.62 km	0.50	53.50		1.62	99.55
13. IFD	1.93 km	0.48	0.22		1.23	87.56
14. DD	5.91 km		4.73		1.18	100
b. Lower Lalo						
1. Turnout	77 units			77		
2. Division Box	170 units			170		
3. Road Crossing	63 units			63		
4 .Farmditch x-ing	232 units			232		
5. Check & Drop	136 units			136		
6. Drainage x-ing	58 units			58		
7. MFD	31.05 kms			31.05		
8. SFD	137.05			137.05		
9. IFD	2.99 kms			2.99		
10. DD	17.01 kms			17.01		
8. Lower Lalo						
1. Canal Structures	90 units		2	88		2.22
2. Canalization	37 kms		0.98	36.02		5.85
3. Service Roads	37 kms	10.27	3.05	23.68		24.79
9. Project Facilities						
1. Administration Building	1 unit		1			100
2. Equipment Shed	1 unit		1			100
3. Gatekeeper's Qtr	2 units			2		
4. WMT	5 units		3	2		80
5. Improvement of Barit Office	1 unit		1			100
6. Expansion of RTC						60
7. Compound & improvement						90
8. Repair of USAI Property						100

STATUS REPORT
as of FEB. 15, 1982

PROJECT TITLE / COMPONENTS	ESTIMATED QUANTITIES	STATUS				TOTA % ACC.
		ON-GOING	COMPLETED	NOT YET STARTED	DELETED	
10. Tabao River Channel Improvement						
a) Service/Access Road	5.50 kms		2.90	2.60		52.73
b) Road Structures	35 units		21	14		60

C. OPERATION & MAINTENANCE:

a. Operational Status

1. Service area of Lalo RIS: 1154 has.

2. Total area under irrigation during the month: 630 has.

3. Area under LS/LP during the month: 120 has.

4. Area under crop maintenance during the month: 510 has.

5. Area harvested during the month: 0

6. Total area harvested to-date: 0

7. Total volume of water diverted during the month: 3,174,3[illegible]

8. Total volume of water in all sources during the month: 13,910,000 cu. m.

9. Total rainfall observed during the month: 136.05 mm.

b. Collection

1. Estimated current collectible for the whole calendar year = ₱175,299.19.

2. Total collection this month = ₱7,696.15.

3. Total collection to-date = ₱7,696.15.

4. Percentage of collection to-date = 4.39%.

Note: The above report was based on the O & M Report of January 31, 1982.

D. FARMERS ASSISTANCE DIVISION:

As of this period, the total accomplishment of the Institutional and Agricultural Development Division is 45.29% against

the planned target of 45.00% to date.

a. Research and Development Section

1. Established additional eleven (11) sites for ground water monitoring study, seven (7) sites on Zone II-C at Lower Lalo Area and five (5) sites in Zone II-A at Upper Lalo Area, completing 25 sites to date. Likewise, gathering of data were conducted to determine and evaluate the ground water table characteristics in relation to water delivery and suspension of irrigation water.

2. Gathered data from the established site for the study, and rainfall and evaporation station which will be used in determining the crop water requirement of the area needed in the development of cropping pattern and irrigation delivery schedule.

3. Completed the inventory of completed farm level facilities in four (4) rotational areas at ULRIS (RALAT A-SP-2, RALAT A-1, RALAT A-2, and RALAT A-3), to determine or to check whether the constructed terminal facilities are functional by measuring the discharge of irrigation water.

4. Supervised/coordinated farming activities related to NIA-Bayer Demonstration Farm and Varietal Trial.

5. Regular PIC Meeting was undertaken to closely monitor the development and resolve some issues related to demo farms and discuss some plans which may affect the implementation of NIA-Bayer Tie-up.

b. Irrigators Assistance and Training Section

I. Upper Lalo Area:

1. Groundwork and follow-up farmer-leaders and members on

issues relative to problems encountered on post ROW negotiation, manpower inventory and functions of different committees, programs and designs of trainings to be conducted and irrigation fee collection.

2. Facilitated meetings regarding the formulation of terms and conditions in preparation for the coming pre-contract negotiation finalization and assist in the preparation of papers and other requirements for SEC registration. Likewise, re-organizational meeting of leaders and members from the rotational area level was conducted because the previous leaders from the rotational areas within the zone were elected as members of the board, thus necessitating replacement of the chairman and members of the board.

3. Mobilized farmers/leaders for the construction of structures and canalization of terminal facilities of irrigation system.

II. Lower Lalo Area:

1. Groundwork, follow-up and mobilized farmers/leaders on issues relative to presentation of paper location, spot mapping/paddy mapping, farmers ID validation by rotational area, walk-through, survey, negotiation for location, ROW negotiation, re-survey and construction of terminal facilities.

2. Facilitated meetings regarding canal determination and delineation of boundaries, negotiation of canal routes, relocation of main canal and lateral canal.

3. Farmers in Zone II-B were organized in MC/Lat level on the issues of conducting groundwork, follow-up, meetings

and mobilization in preparation for the construction phase of project implementation.

4. Farmers and leaders in Zone IV-A and Zone IV-B conducted field trips in Upper Lalo River Irrigation System in order to gain knowledge regarding the canals and structures constructed in Upper Lalo Area and for them to conduct manpower inventory.

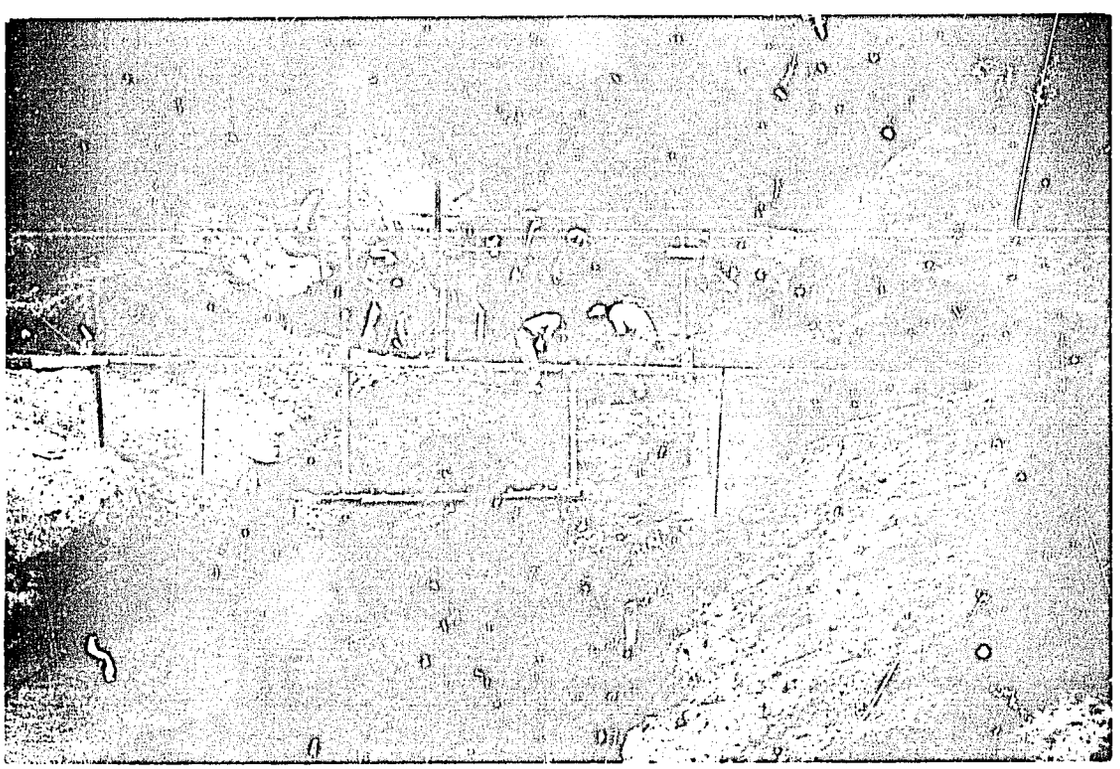
c. Evaluation & Statistics Section

1. Prepare the Agricultural Progress Report for wet season of 1981 - semi-annual indicator and annual indicator.

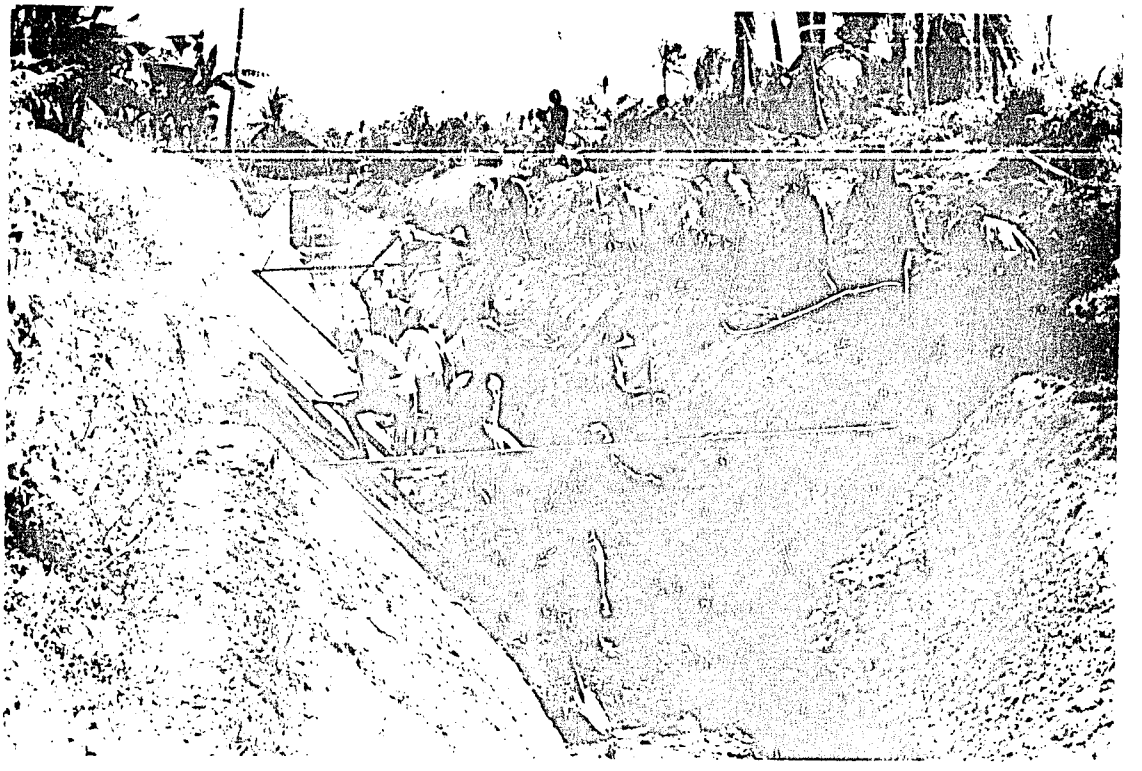
2. Monitor, evaluate and prepare monthly report of activities of the I & ADD.

3. Monitor, evaluate and prepare monthly report of the inter-agency personnel deployed in the project.

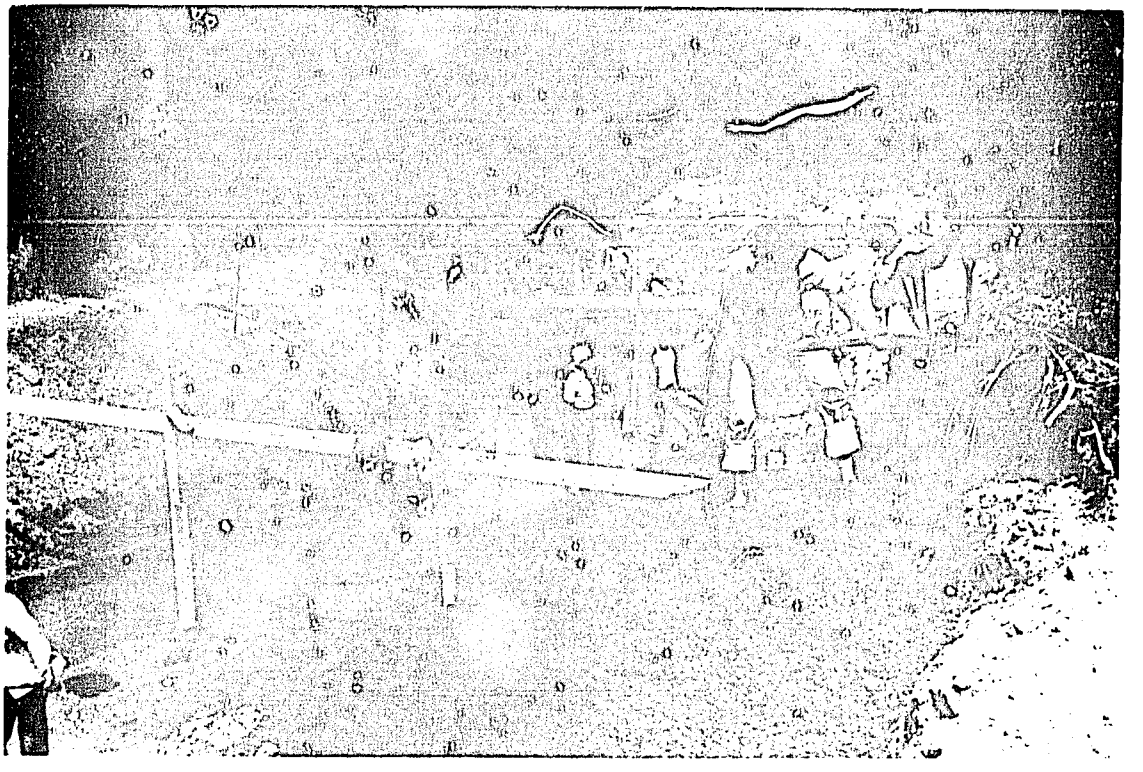
Bench Flume (Intake-Outlet Transition) LCC, Sta. 0 + 017.20 - Sta. 0 + 052, Sta. Justina, Buhi, Camarines Sur.
Date Taken: February 10, 1982



Excavation Work at Baffled Apron Drop Site (RIBA) LCC, Sta. Justina, Buhi, Camarines Sur.
Date Taken: February 10, 1982

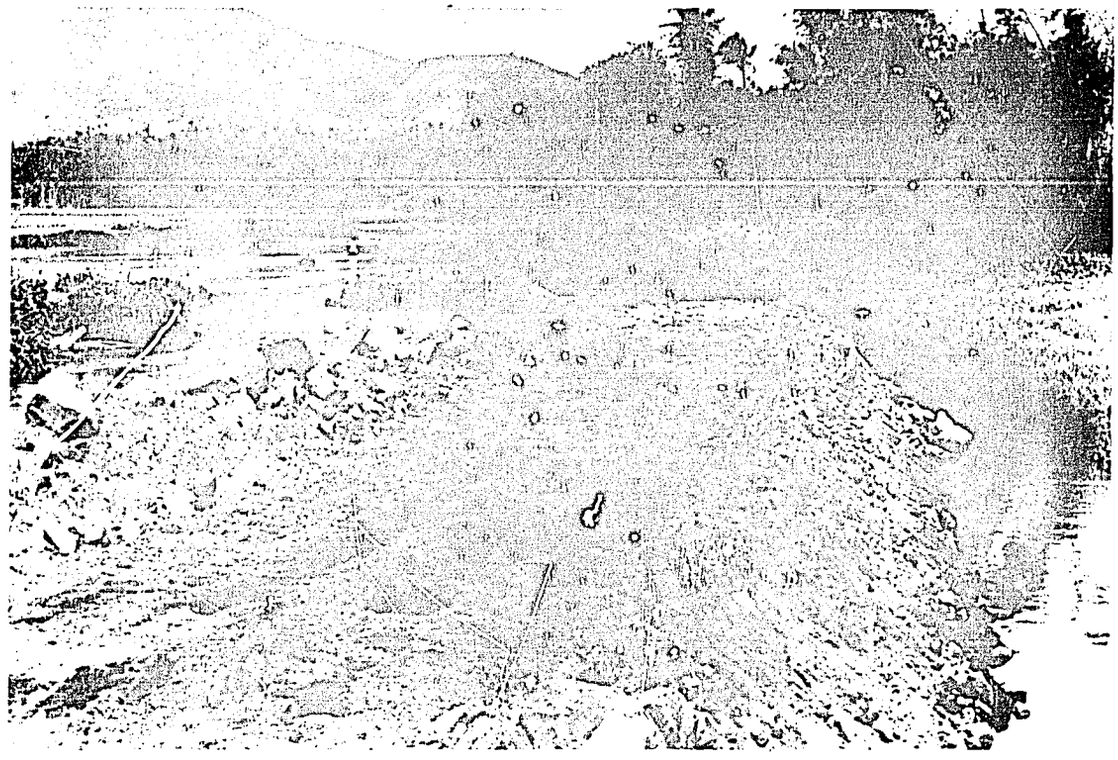


Canal Lining at Sta. 0 + 210 to Sta. 0 + 296.14 (LCC), Sta. Justina, Buhi, Camarines Sur.
Date Taken: February 10, 1982

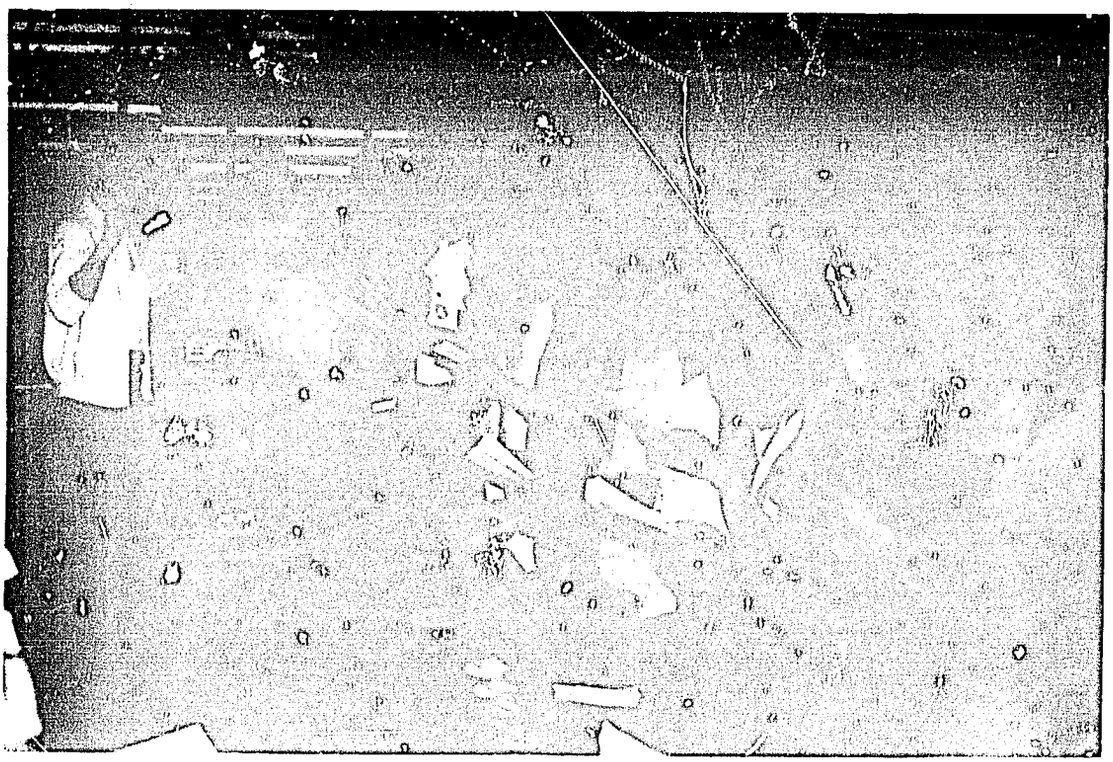


Canalization Works between Sta. 0 + 210 to Baffled Apron Drop Site LCC, Sta. Justina, Buhi, Camarines Sur.
Date Taken: February 10, 1982

Construction of Access Road (New Main Canal), Sta. 10 + 620 - Sta. 11 + 600, San Antonio, Iriga City.
Date Taken: February 10, 1982



Access Road Construction (Lourdes to Rapids)
Francia, Buhi, Camarines Sur



Mr. Felix C. Peña, Chief of the Farmers' Assistance Division, Rinconada/Bubi-Lalo Project, inducting Officers of Zone II-A, Upper Lalo Farmers Irrigators Association, Inc. at Los Angeles, Bubi, Camarines Sur.
Date Taken: February 6, 1982

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT

SUMMARY OF ACTIVITIES

T-1

DESCRIPTION: SUMMARY

AS OF [illegible] 15, 1982

PARTICULARS	JO NO. 2000 OPERATION & MAINTENANCE	JO NO. 3000 INST'L. and AGRI'L. DEVT. DIVISION	JO NO. 5000 FORCE ACCOUNT WORK	JO NO. 6000 CONTRACT WORK	TOTAL
1. ESTIMATED COST	573,000	5,025,710	25,208,000	23,485,721	54,292,481
2. WEIGHTED PERCENTAGE OF JO	1.06	9.25	46.43	43.26	100
3. PHYSICAL ACCOMP. THIS MONTH PROGRAMMED	2.0	2.21	2.29		1.47
4. PHYSICAL ACCOMP. THIS MONTH ACTUAL	2.0	2.46	1.82		1.14
5. PHYSICAL ACCOMP. TO DATE PROGRAMMED	9.0	45.00	42.12		23.82
6. PHYSICAL ACCOMP. TO DATE ACTUAL	9.0	43.28	42.30		23.93
7. PROJECTED PHYSICAL ACCOMP. FOR NEXT MONTH	2.0	1.18	3.0		1.52
8. OVERALL JOB ORDER ACCOMP. TO DATE (2x6)	0.10	4.19	19.64		23.93
9. TOTAL EXPENDITURES THIS MONTH	3,066.05	60,023.38	717,509.66		[illegible]
10. TOTAL EXPENDITURES TO DATE	38,402.63	1,024,071.37	8,540,600.44		9,603,074.44
11. % OF EXPENDITURES THIS MONTH (9÷1)	0.54	1.19	2.85		1.44
12. % OF EXPENDITURES TO DATE (10÷1)	6.70	20.38	33.88		17.69
13. EXPENDITURES THIS MONTH PROGRAMMED	3.0	2.0	3.21		1.71
14. PROJECTED % OF EXPENDITURES NEXT MONTH	2.0	3.0	3.45		1.91
15. ACTUAL DATE STARTED	4-1-81	2-1-80	1-2-80	7-2-82	1-2-80
16. TARGET DATE OF COMPLETION	12-31-84	12-31-84	6-31-84	6-30-84	12-31-84
17. REVISED TARGET DATE OF COMPLETION					
18. ACTUAL DATE OF COMPLETION					
19. % OF TIME ELAPSED TO DATE	28.26	41.47	49.90		42.41
20. % OF TIME ELAPSED BASED ON 17					
21. a) BEHIND OF SCHEDULE					
b) AHEAD OF SCHEDULE		0.28	0.18		
22. COST NECESSARY TO COMPLETE	534,597.37	4,001,638.63	16,667,399.56	23,485,721.[illegible]	[illegible]

REMARKS:

Prepared: ELMER D. ESTE, ENGINEER A

Checked: VIRGILIO F. BRUSAS, DIVISION MANAGER A

Submitted: FELICIANO B. BERDIN JR., CHIEF FIELD ENGINEER

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT

SUMMARY OF ACTIVITIES

T – 2

JOB ORDER NO: 5000 /

DESCRIPTION: FORCE ACCOUNT WORK

AS OF FEB 15, 19[illegible]

PARTICULARS	SJO NO. 5000 FORCEDY HOMEWORKS AT BPC DAM	SJO NO. 5100 LEFT CONNECTOR CANAL INCL. LAT. X	SJO NO. 5200 UPPER LALO REHABILITATION	SJO NO. 5300 LALO EXT. LAT. B LAT. X	SJO NO. 5400 TERMINAL FACILITIES	SJO NO. 5500 PROJECT FACILITIES (Share of USAID Fin)	SJO NO. 5600 PRE – CONST. WORK	SJO NO. 5700 RIGHT OF WAY	SJO NO. 5800 TABAO RIVER GRAVEL INPUT	TOTAL
1. ESTIMATED COST	1,350,000	3,[illegible]	2,[illegible]	[illegible]	5,[illegible]	[illegible]	1,600,000	800,000	1,500,000	25,203,[illegible]
2. WEIGHTED PERCENTAGE OF JC	5.51	[illegible].30	11.45	23.80	19.24	[illegible]	6.35	3.17	5.95	100
3. PHYSICAL ACCOMP THIS MONTH PROGRAMMED	–	6.00	0.40	4.00	1.[illegible]	3.00	3.00	4.00	[illegible]	2.69
4. PHYSICAL ACCOMP. THIS MONTH ACTUAL	–	1.30	0.80	[illegible]	0.28	0.15	2.00	3.00	[illegible]	1.92
5. PHYSICAL ACCOMP TO DATE PROGRAMMED	11.51	68.00	90.00	14.00	23.48	91.00	55.00	52.00	2.00	42.12
6. PHYSICAL ACCOMP TO DATE ACTUAL	11.51	59.50	95.20	18.70	24.03	78.35	55.00	52.00	3.00	42.[illegible]
7. PROJECTED PHYSICAL ACCOMP FOR NEXT MONTH		6.00	0.40	4.00	1.12	5.0	3.00	3.00	3.00	[illegible]
8. OVERALL JOB ORDER ACCOMP. TO DATE (2x6)	0.65	7.36	10.89	4.45	4.76	9.77	[illegible].49	1.65	0.18	[illegible]
9. TOTAL EXPENDITURES THIS MONTH	[illegible]	156,042.59	15,934.90	282,249.55	173,032.10	6,876.75	24,[illegible]	6,339.87	50,103.82	717,[illegible].66
10. TOTAL EXPENDITURES TO DATE	248,654.54	985,591.54	2,003,218.50	835,295.13	1,002,346.36	2,032,[illegible].75	2[illegible]	[illegible]	50,103.82	8,5[illegible],[illegible].41
11. % OF EXPENDITURES THIS MONTH (9÷1)	0.008	5.05	0.55	4.73	3.46	0.24	1.53	[illegible]	3.34	2.85
12. % OF EXPENDITURES TO DATE (10÷1)	17.53	31.79	80.19	[illegible].92	20.05	59.48	41.55	4.50	[illegible]	33.63
13. EXPENDITURES THIS MONTH PROGRAMMED	3.0	5.0	2.0	2.0	1.71	4.0	1.57	2.0	[illegible]	3.21
14. PROJECTED % OF EXPENDITURES NEXT MONTH	5.0	9.0	2.0	2.0	1.70	4.0	1.36	3.0	3.0	[illegible]
15. ACTUAL DATE STARTED	4-1-81	3-1-81	3-1-80	1-2-82	10-1-80	1-2-80	1-2-80	1-2-80	1-2-82	1-[illegible]-80
16. TARGET DATE OF COMPLETION	12-31-82	12-31-82	12-31-82	12-31-83	3-31-84	12-31-82	12-31-83	12-31-83	12-31-83	6-31-84
17. REVISED TARGET DATE OF COMPLETION										
18. ACTUAL DATE OF COMPLETION										
19. % OF TIME ELAPSED TO DATE	49.64	52.12	63.38	5.99	39.29	70.71	53.02	53.02	5.99	49.90
20. % OF TIME ELAPSED BASED ON 17										
21. A) BEHIND OF SCHEDULE		3.20				5.45				
B) AHEAD OF SCHEDULE				4.70	0.12				[illegible]	0.18
22. COST NECESSARY TO COMPLETE	1,146,315.46	2,114,413.12	222,781.50	5,164,714.87	3,997,653.04	893,005.25	933,639.60	623,9[illegible].50	1,443,[illegible]	[illegible],969.50
REMARKS:										

Prepared: ELMER D. BOTE, ENGINEER A

Checked: VIRGILIO F. BRUSAS, DIVISION MANAGER A

Submitted: FELICIANO B. PERDIN JR., CHIEF FIELD ENGINEER

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BURI-LALO (BAD III) PROJECT

T-3

JOB ORDER NO. 6000
DESCRIPTION CONTRACT WORK

SUMMARY OF ACTIVITIES

FOR THE PERIOD ENDING [illegible] 15, 1982

PARTICULARS	SJO 6100 LAKE BURI CONTROL STRUCTURE	SJO 6200 BARIT RIVER CHANNEL IMPROVEMENT	SJO 6300 DARAGA RIVER FLUME/BRIDGE		TOTAL
1. ESTIMATED COST	12,286,095	9,084,145	2,115,480		23,485,721.00
2. WEIGHTED PERCENTAGE OF JO	52.31	38.68	9.01		100
3. PHYSICAL ACCOMP. THIS MONTH PROGRAMMED		—	—		
4. PHYSICAL ACCOMP. THIS MONTH ACTUAL					
5. PHYSICAL ACCOMP. TO DATE PROGRAMMED		—	—		
6. PHYSICAL ACCOMP. TO DATE ACTUAL					
7. PROJECTED PHYSICAL ACCOMP. FOR NEXT MONTH			—		
8. OVERALL JOB ORDER ACCOMP. TO DATE (2xS)					
9. TOTAL EXPENDITURES THIS MONTH		—	—		
10. TOTAL EXPENDITURES TO DATE					
11. % OF EXPENDITURES THIS MONTH (9÷1)					
12. % OF EXPENDITURES TO DATE (10÷1)					
13. PROJECTED % OF EXPENDITURES NEXT MONTH					
14. PROPOSED DATE OF START	7-2-82	1-2-83	10-1-82		7-2-82
15. TARGET DATE OF COMPLETION	12-31-83	6-30-84	12-31-83		6-30-84
16. REVISED TARGET DATE OF COMPLETION					
17. ACTUAL DATE OF COMPLETION					
18. % OF TIME ELAPSED TO DATE					
19. % OF TIME ELAPSED BASED ON 16					
20. a) % BEHIND OF SCHEDULE					
b) % AHEAD OF SCHEDULE					
21. COST NECESSARY TO COMPLETE	12,286,095	9,084,145	2,115,480		23,485,721

REMARKS.

Prepared: ELNER D. BOTE, ENGINEER A

Checked: VIRGILIO F. BRUSAS, DIVISION MANAGER A

Submitted: FELICIANO B. BERDIN JR, CHIEF FIELD ENGINEER

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO(BIAD III) PROJECT

SUMMARY OF ACTIVITIES

FOR THE PERIOD ENDING FEB 15, 1981

T-4

JOB ORDER NO: 3000 /
DESCRIPTION: INST'L. and AGRIC'L.

PARTICULARS	SJO 3100 IAD SUPERVISION	SJO 3200 WATER MANAGEMENT SECTION	SJO 3300 IRRIGATOR'S ORG. & TRAINING SEC.	SJO 3400 AGRIC'L. DEVT. MON. & EVAL'L. SECTION	SJO 4900 PROC. OF TRAINING RESEARCH OPR & EQPT	SJO 3500 SUPPLIES & MATERIALS	SJO 3600 OVERHEAD	TOTAL
1. ESTIMATED COST	498,580	852,550	1,489,710	1,684,870	500,000	–	–	5,025,710
2. WEIGHTED PERCENTAGE OF JO	9.92	16.96	29.64	33.53	9.95			100
3. PHYSICAL ACCOMP. THIS MONTH PROGRAMMED	1.72	0.64	2.88	2.77	1.57			2.21
4. PHYSICAL ACCOMP. THIS MONTH ACTUAL	1.72	0.64	3.96	2.77	0.78			2.46
5. PHYSICAL ACCOMP. TO DATE PROGRAMMED	41.38	35.00	46.36	41.10	74.80			45.00
6. PHYSICAL ACCOMP. TO DATE ACTUAL	41.38	36.61	46.11	41.10	75.59			45.28
7. PROJECTED PHYSICAL ACCOMP. FOR NEXT MONTH	1.72	2.23	1.5	0.56	–			1.18
8. OVERALL JOB ORDER ACCOMP. TO DATE (2 x 6)	4.10	6.21	13.67	13.78	7.52			45.28
9. TOTAL EXPENDITURES THIS MONTH	4,707.08	5,902.09	35,748.54	7,098.65	–	4,064.90	2,502.12	60,023.38
10. TOTAL EXPENDITURES TO DATE	92,173.40	127,617.78	388,487.31	172,659.69	68,684.74	28,512.75	151,935.70	1,024,071.37
11. % OF EXPENDITURES THIS MONTH (9 ÷ 1)	0.84	0.69	2.40	0.42				1.19
12. % OF EXPENDITURES TO DATE (10 ÷ 1)	18.49	14.97	26.08	10.25	13.74			20.38
13. EXPENDITURES THIS MONTH PROGRAMMED	1.0	1.10	3.50	1.80	0.80			2.0
14. PROJECTED % OF EXPENDITURES NEXT MONTH	1.0	2.80	4.00	2.95	2.50			3.0
15 ACTUAL DATE STARTED	3-1-80	7-1-80	3-1-80	3-1-80	2-			2-1-80
16. TARGET DATE OF COMPLETION	12-31-84	12-31-84	12-31-84	12-31-84	6-30-			12-31-84
17. REVISED TARGET DATE OF COMPLETION								
18. ACTUAL DATE OF COMPLETION								
19. % OF TIME ELAPSED TO DATE	40.46	36.05	40.46	40.46	46.19			41.47
20. % OF TIME ELAPSED BASED ON 17								
21. a) % OF BEHIND SCHEDULE			0.25					0.28
b) % AHEAD OF SCHEDULE		1.61			0.79			
22. COST NECESSARY TO COMPLETE	406,406.60	724,932.22	1,101,222.69	1,512,210.31	431,315.26			4,001,638.63

REMARKS:

Prepared: SOCORRO T. OSORIO
ACTG. CHIEF, EVAL'N & STATISTICS SEC.

Checked: FELIX C. PEÑA
CHIEF, INST'L. & AGRIC'L. DIV.

Submitted: FELICIANO B. BERDIN JR.
CHIEF FIELD ENGINEER

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO(BIAD III) PROJECT

SUMMARY OF ACTIVITIES

T-5

JOB ORDER NO. 5500
DESCRIPTION: PROJ. FACILITIES & REPAIR of USAID PROP.

FOR THE PERIOD ENDING FEB 15, 1982

PARTICULARS	SSJO 5510 ADMINISTRATION BUILDING	SSJO 5520 EQUIPMENT SHED	SSJO 5800 REPAIR OF USAID PROPERTY	SSJO 5540 GATE KEEPERS QUARTER	SSJO 5550 WORKING STATION	SSJO 5560 EXPANSION OF REGIONAL TRG. CENTER	SSJO 5580 COMPOUND & IMPROVEMENTS	SSJO 5590 IMPROVEMENT OF OFFICE IN BARIT	TOTAL
1. ESTIMATED COST	529,000	279.000	9,853.09	250,000	300,000	839,000	700,000	19,146.91	2,926,000
2. WEIGHTED PERCENTAGE OF JO	18.08	9.54	0.34	8.54	10.25	28.67	23.92	0.66	100
3. PHYSICAL ACCOMP. THIS MONTH PROGRAMMED	—	—	—	7.51	4.01	5.51	1.52	—	3.0
4. PHYSICAL ACCOMP. THIS MONTH ACTUAL	—	—	—	—	1.50	-	—	—	0.15
5. PHYSICAL ACCOMP. TO DATE PROGRAMMED	100	100	100	55.19	80.19	63.19	89.19	100	81
6. PHYSICAL ACCOMP. TO DATE ACTUAL	100	100	100	—	80.00	60	90	100	75.55
7. PROJECTED PHYSICAL ACCOMP. FOR NEXT MONTH	—	—	—	8.25	4.25	7.25	7.47	—	5.0
8. OVERALL JOB ORDER ACCOMP. TO DATE (2x6)	18.08	9.54	0.34	—	8.20	17.20	21.53	0.66	75.55
9. TOTAL EXPENDITURES THIS MONTH.	—	—	—	—	4,158.25	—	2,720.50	—	6,878.75
10. TOTAL EXPENDITURES TO DATE	529,000.00	278,116.00	13,670.00	—	236,792.25	487,025.14	468,244.45	19,146.91	2,032,994.75
11. % OF EXPENDITURES THIS MONTH (9 ÷ 1)	—	—	—	—	1.39	-	.39		0.24
12. % OF EXPENDITURES TO DATE (10 ÷ 1)	100	100	138.70	—	78.93	58.05	66.89	100	69.48
13. EXPENDITURES THIS MONTH PROGRAMMED	—	—	—	7.0	4.0	5.0	6.50	—	4.0
14. PROJECTED % OF EXPENDITURES NEXT MONTH	—	—	—	8.25	4.25	7.25	3.25		4.0
15. ACTUAL DATE STARTED	1-2-80	5-1-80	1-2-80		7-2-80	1-2-80	1-2-80	1-2-80	1-2-80
16. TARGET DATE OF COMPLETION	2-28-81	7-31-80	12-31-80	12-31-82	12-31-82	12-31-82	12-31-82	4-30-80	12-31-82
17. REVISED TARGET DATE OF COMPLETION									
18. ACTUAL DATE OF COMPLETION									
19. % OF TIME ELAPSED TO DATE	100	100	100	—	64.85	70.71	70.71	100	70.71
20. % OF TIME ELAPSED BASED ON 17	—	—	—						
21. a) % BEHIND OF SCHEDULE		—	—	55.19	0.19	3.18			5.45
b) % AHEAD OF SCHEDULE							0.81		
22. COST NECESSARY TO COMPLETE	—	-116.00	-3,816.91	250,000.00	63,207.75	351,974.86	231,755.55		893,005.25

REMARKS:

Prepared: ELMER B. BOTE, ENGINEER A

Checked: VIRGILIO F. BRUSAS, DIVISION MANAGER A

Submitted: FELICIANO B. BERDIN JR., CHIEF FIELD ENGINEER

REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
SINCONADA/BUHI-LALO(BIAD III) PROJECT
STA. ELENA, IRIGA CITY

FINANCIAL STATUS OF PROJECT ACTIVITIES

AS OF FEBRUARY 15, 1982

PHYSICAL & NON-PHYSICAL ACTIVITIES

T - 6

	PARTICULARS	ESTIMATED COST	WT. %	EXPENDITURES		% OF EXPENDITURES		REMARKS
				THIS MONTH P	TO DATE P	THIS MONTH	TO DATE	
	PHYSICAL ACTIVITIES	54,292,431.00	74.20	780,599.09	9,603,074.44	1.44	17.69	
	NON-PHYSICAL ACTIVITIES	18,882,640.00	25.80	202,350.13	6,765,958.92	1.07	35.83	
	NOTE							
	5% EAGE	OF 12,000,000	WAS	NOT INCLUDED	ON THIS	MONTH REPORT.		
	TOTAL	73,175,071.00	100%	982,249.22	16,369,033.36	1.34	22.37	

Prepared by:

ELMER D. BOTE
ENGINEER A

Checked by:

VIRGILIO F. BRUSAS
DIVISION MANAGER A

Submitted by:

FELICIANO B. PERDIN JR.
CHIEF FIELD ENGINEERS

REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT
STA. ELENA, IRIGA CITY

FINANCIAL STATUS OF PROJECT ACTIVITIES

AS OF FEBRUARY 15, 1962

PHYSICAL ACTIVITIES

JO	PARTICULARS	ESTIMATED COST	WT. %	EXPENDITURES		% OF EXPENDITURES		REMARKS
				THIS MONTH P	TO DATE P	THIS MONTH	TO DATE	
2000	OPERATION & MAINT.	573,000.00	1.05	3,066.05	38,402.63	0.54	6.70	
3000	AGRI'L. & INST'L. DEV'T.	5,025,710.00	9.25	60,025.38	1,024,071.37	1.19	20.38	
5000	FORCE ACCOUNT WORK	25,208,000.00	46.43	717,509.66	8,540,600.44	2.85	33.88	
6000	CONTRACT WORK	23,485,721.00	43.26	–	–	–	–	
	TOTAL	54,292,431.00	100 %	780,599.09	9,603,074.44	1.44	17.69	

Prepared by:

ELMER D. BOTE
ENGINEER A

Checked by:

VIRGILIO F. BRUSAS
DIVISION MANAGER A

Submitted by:

FELICIANO B. BERDIN JR.
CHIEF, FIELD ENGINEER

REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT
STA. ELENA, IRIGA CITY

FINANCIAL STATUS OF PROJECT ACTIVITIES

AS OF FEBRUARY 15, 1982

PHYSICAL ACTIVITIES

T-8

JOB ORDER NO. 500

DESCRIPTION FORCE ACCOUNT WORK

SJO	PARTICULARS	ESTIMATED COST	WT. %	EXPENDITURES		% OF EXPENDITURES		REMARKS
				THIS MONTH ₱	TO DATE ₱	THIS MONTH	TO DATE	
5100	LEFT CONNECTOR CANAL INCL. LAT. X	3,100,000.00	12.30	156,642.59	985,581.84	5.05	31.79	
5200	UPPER LALO REHAB.	2,892,000.00	11.47	15,934.90	2,609,219.50	0.55	90.19	
5300	LALO EXT. LAT. & LAT. X	6,000,000.00	23.80	283,949.83	835,285.13	4.73	13.92	
5400	TERMINAL FACILITIES	5,000,000.00	19.84	173,032.20	1,002,546.36	3.46	20.05	
5500	PROJECT FACILITIES AND REPAIR OF USAID PROPERTY	2,926,000.00	11.61	6,878.75	2,032,994.75	0.24	69.48	
5600	PRE-CONSTRUCTION WORK	1,600,000.00	6.35	24,520.70	666,360.40	1.53	41.65	
5700	RIGHT OF WAY	800,000.00	3.17	6,339.87	116,025.10	0.79	14.50	
5900	FOREDAY HDWORK at NPC Dam	1,390,000.00	5.51	107.00	243,684.54	0.008	17.53	
5260	TABAO RIVER CHANNEL IMPVT	1,500,000.00	5.95	50,103.82	50,103.82	3.34	3.34	
	TOTAL	25,206,000.00	100%	717,509.66	8,540,600.44	2.85	33.88	

Prepared by:

ELMER D. BOTE
ENGINEER A

Checked by:

VIRGILIO F. BRUSAS
DIVISION MANAGER A

Submitted by:

FELICIANO B. PERDIN JR.
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REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/SUHI-LALO(BIAD III)PROJECT
STA. ELENA, IRIGA CITY

FINANCIAL STATUS OF PROJECT ACTIVITIES

AS OF FEBRUARY 1, 1982

JOB ORDER NO. 6000
DESCRIPTION CONTRACT WORK

T-9

SJO	PARTICULARS	ESTIMATED COST	WT. %	EXPENDITURES		% OF EXPENDITURES		REMARKS
				THIS MONTH P	TO DATE P	THIS MONTH	TO DATE	
6100	LAKE SUHI CONTROL STRUCTURES	12,286,096	52.31					
6200	BARIT RIVER CHANNEL IMPROVEMENT	9,064,145	38.68					
6300	BAHAGA RIVER FLUME/BRIDGE	2,115,480	9.01					
	TOTAL	23,485,721	100					

PREPARED BY:

ELMER D. BOTE
ENGINEER A

CHECKED BY:

VIRGILIO F. BRUSAS
DIVISION MANAGER A

SUBMITTED BY:

FELICIANO B. BERDIN JR.
CHIEF FIELD ENGINEER

REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT
STA. ELENA, IRIGA CITY

FINANCIAL STATUS OF PROJECT ACTIVITIES

AS OF FEBRUARY 15, 1982

NON-PHYSICAL ACTIVITIES

T - 10

JO	PARTICULARS	ESTIMATED COST	WT %	EXPENDITURES		% OF EXPENDITURES		REMARKS
				THIS MONTH ₱	TO DATE ₱	THIS MONTH	TO DATE	
1000	ENG'G. SUPV'N. ADM.	10,796,700.00	57.18	135,726.33	3,778,884.11	1.26	35.00	
7000	PHYS. CONTINGENCIES	1,440,000.00	7.63	1,733.47	442,897.32	0.12	30.76	
8000	CONSULTING SERVICES	21,000.00	0.11	—	21,000.00	—	100	
4000	PROCUREMENT BY GOVT.	4,465,940.00	23.65	64,890.33	2,523,177.49	1.45	56.50	
	PRICE CONTINGENCIES	2,159,000.00	11.43					
	TOTAL	18,882,640.00	100	202,350.13	6,765,958.92	1.07	35.83	

Prepared by:

ELMER D. BOTE
ENGINEER A

Checked by:

VIRGILIO F. BRUSAS
DIVISION MANAGER A

Submitted by:

FELICIANO B. BERDIN JR.
CHIEF FIELD ENGINEER

NIA CMD Form Y - 1a

1982 PROJECT IMPLEMENTATION SCHEDULE

PROJECT TITLE: R

	NO.	WORK ITEMS	CLASS	ESTIMATED COST (₱'000)	% WEIGHT	PARTICULARS	JAN.	FE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8
A. DIRECT	1	LAKE BUHI CONTROL STRUCTURE	C	12,286	22.63	PROJECTED		
						ACTUAL		
	2	BARIT RIVER CHANNEL IMPROVEMENT	C	9,084	16.73	PROJECTED		
						ACTUAL		
	3	DARAGA RIVER FLUME/BRIDGE	C	2,116	3.90	PROJECTED		
						ACTUAL		
	4	FOREBAY HD WORKS @ NPC DAM	FA	1,390	2.56	PROJECTED	11.81	11.
						ACTUAL	11.81	11.
	5	LEFT CONNECTOR CANAL	FA	3,100	5.71	PROJECTED	57	63
						ACTUAL	58.5	59.
	6	LALO EXT. LAT. & LAT. X	FA	6,000	11.05	PROJECTED	11.31	14
						ACTUAL	13.42	16.
	7	UPPER LALO REHABILITATION	FA	2,892	5.33	PROJECTED	95.4	95.
						ACTUAL	95	95.
	8	TERMINAL FACILITIES	FA	5,000	9.21	PROJECTED	22.75	23.
						ACTUAL	23.72	24.
	9	PROJ. FACILITIES & REPAIR of USAID Prop.	FA	2,926	5.39	PROJECTED	77	81
						ACTUAL	75.39	75.
	10	PRE-CONSTRUCTION WORKS	FA	1,000	2.90	PROJECTED	52	56
						ACTUAL	53	55
	11	RIGHT OF WAY	FA	800	1.47	PROJECTED	49	52
						ACTUAL	49	52
	12	INST'L. & AGRIC'L. DEV'T.	FA	5,026	9.25	PROJECTED	43.34	45
						ACTUAL	42.59	45.
	13	OPERATION & MAINTENANCE	FA	573	1.06	PROJECTED	7	9
						ACTUAL	8	9
	14	TAGAO RIVER CHANNEL IMPROVEMENT	FA	1,500	2.76	PROJECTED	1	2
						ACTUAL		3
	15							
	16							
		OVERALL PHYSICAL STATUS		54,293	100	PROJECTED	22.37	23.8
						ACTUAL	22.79	23.9
B. INDIRECT	1	PROCUREMENT BY GOV'T.		4,466				
	2	ENGINEERING SUPERVISION & ADM.		10,797				
	3	CONSULTING SERVICES		2				
	4	PHYSICAL CONTINGENCIES		1,440				
	5	PRICE CONTINGENCIES		2,158				
		TOTAL COS						
		PHYSICAL TARGET (Has.)		NEW AREA		PROJECTED		
						ACTUAL		
				REHAB. AREA		PROJECTED	1000	1060
						ACTUAL	1053	1053
		PROJECT DURATION					JAN	FEB

ENTATION SCHEDULE

PROJECT TITLE: RINCONADA/BUHI-LALO (BIAD III) PROJE

CLASS	ESTIMATED COST (P'000)	% WEIGHT	PARTI-CULARS	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	S
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(
C	12,286	22.63	PROJECTED							1	5	
			ACTUAL									
C	9,084	16.73	PROJECTED									
			ACTUAL									
C	2,116	3.90	PROJECTED									
			ACTUAL									
FA	1,390	2.56	PROJECTED	11.81	11.81	11.81	16	22	35	48	64	
			ACTUAL	11.81	11.81							
FA	3,100	5.71	PROJECTED	57	63	69	75	80	85	90	93	9
			ACTUAL	58.5	59.80							
FA	6,000	11.05	PROJECTED	11.31	14	18	22	27	31	37	42	
			ACTUAL	13.42	18.70							
FA	2,892	5.33	PROJECTED	95.4	95.8	96.2	96.6	97	97.4	97.8	98.2	9
			ACTUAL	95	95.8							
FA	5,000	9.21	PROJECTED	22.75	23.88	25	26.5	28	29.50	31.73	33.97	3
			ACTUAL	23.72	24.00							
FA	2,926	5.39	PROJECTED	77	81	85	88	90	93	95	97	
			ACTUAL	75.39	78.53							
FA	1,600	2.95	PROJECTED	52	55	58	62	65	68	71	75	
			ACTUAL	53	55							
FA	800	1.47	PROJECTED	48	52	55	58	62	66	69	[illegible]	
			ACTUAL	49	52							
FA	5,026	9.25	PROJECTED	42.34	45	48	50	52	55	57	60	
			ACTUAL	42.59	45.28							
FA	573	1.06	PROJECTED	7	9	11	13	16	19	22	28	
			ACTUAL	8	9							
FA	1,500	2.76	PROJECTED	1	2	5	10	15	21	27	35	
			ACTUAL		3							
	54,293	100	PROJECTED	22.37	23.82	25.45	27.17	28.94	30.92	33.30	33.24	3
			ACTUAL	22.73	23.93							
	4,466											
	10,797											
	2											
	1,440											
	2,158											
	NEW AREA		PROJECTED						183	210	240	2
			ACTUAL									
	REHAB. AREA		PROJECTED	1000	1060	1120	1180	1240	1300	1360	1420	14
			ACTUAL	1053	1053							
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	S
				1982								

SUBMITTED BY:

CONADA / BUHI - LALO (BIAD III) PROJECT

CUM. PROJECTED % ACCOMP.
CUM. ACTUAL % ACCOMP.

1 9 8 2										PERCENT
MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
				1	5	11	19	28	40	100 %
							2	10	20	
11.81	15	22	35	48	64	76	88	97	100	
69	75	80	85	90	93	96	98	99	100	
18	22	27	31	37	42	47	53	58	63	80 %
96.2	96.6	97	97.4	97.8	98.2	98.6	99.0	99	100	
25	26.5	28	29.50	31.73	33.97	36.20	39.30	42.4	45.50	
85	88	90	93	95	97	98	99	99.50	100	
58	62	65	68	71	74	77	80	82	85	
55	59	62	66	69	72	76	70	81	83	60 %
48	50	52	55	57	60	63	64	66	69	
11	13	16	19	22	25	28	32	35	39	
5	10	15	21	27	35	47	50	58	66.67	
										40 %
25.45	27.17	28.94	30.32	33.50	36.24	39.54	43.46	47.55	52.34	
										20 %
			183	210	240	283	310	340	383	
1120	1180	1240	1300	1360	1420	1480	1540	1600	1681	
										0%
MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
			1 9 8 2							

SUBMITTED BY:

FELICIANO B. BERDIN JR.
CHIEF FIELD ENGINEER

NIA - CMD Form Y - 2a

1982 PROJECT SCHEDULED EXPENDITURES

PROJECT TITLE: R

NO.	WORK ITEMS	CLASS	ESTIMATED COST (P'000)	% WEIGHT	PARTICULARS	JAN	FEB
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A. DIRECT							
1	LAKE BUHI CONTROL STRUCTURE	C	12,286	16.79	PROJECTED		
					ACTUAL		
2	BARIT RIVER CHANNEL IMPROVEMENT	C	9,084	12.41	PROJECTED		
					ACTUAL		
3	DARAGA RIVER FLUME/BRIDGE	C	2,116	2.89	PROJECTED		
					ACTUAL		
4	FOREBAY HDWORKS @ NPC DAM	FA	1,390	1.90	PROJECTED	22	31
					ACTUAL	17.82	17.5
5	LEFT CONNECTOR CANAL	FA	3,100	4.24	PROJECTED	33	41
					ACTUAL	26.79	31.7
6	LALO EXT. LAT. & LAT. X	FA	6,000	8.20	PROJECTED	11	13
					ACTUAL	9.19	13.9
7	UPPER LALO REHABILITATION	FA	2,892	3.95	PROJECTED	90	92
					ACTUAL	89.63	90.1
8	TERMINAL FACILITIES	FA	5,000	6.83	PROJECTED	18.30	20.0
					ACTUAL	16.59	20.0
9	PROJ. FACILITIES & REPAIR of USAID Proj	FA	2,926	4.00	PROJECTED	74	78
					ACTUAL	69.24	69.4
10	PRE-CONSTRUCTION WORKS	FA	1,600	2.10	PROJECTED	41.67	48.2
					ACTUAL	40.11	41.6
11	RIGHT OF WAY	FA	800	1.09	PROJECTED	16	17
					ACTUAL	13.71	14.6
12	INST'L. & AGRIC'L. DEV'T.	FA	5,026	6.87	PROJECTED	21	29
					ACTUAL	19.18	20.3
13	OPERATION & MAINTENANCE	FA	573	0.78	PROJECTED	9	11
					ACTUAL	6.17	6.7
14	TABAO RIVER CHANNEL IMPROVEMENT	FA	1,500	2.05	PROJECTED	1	2
					ACTUAL		3.3
15							
16							
	TOTAL DIRECT COST		84,293				
B. INDIRECT							
1	PROCUREMENT BY GOV'T.		4,466	6.10	PROJECTED	57	61
					ACTUAL	55.08	56.5
2	ENGINEERING SUPERVISION & ADM.		10,797	14.76	PROJECTED	37.53	41.3
					ACTUAL	33.74	35.0
3	CONSULTING SERVICES		21	0.03	PROJECTED	100	100
					ACTUAL	100	10
4	PHYSICAL CONTINGENCIES		1,440	1.97	PROJECTED	35	4
					ACTUAL	30.84	30.7
5	PRICE CONTINGENCIES		2,168	2.96	PROJECTED		
					ACTUAL		
	TOTAL COST						
OVERALL FINANCIAL STATUS			PERCENT EXPENDITURES		PROJECTED	22.04	28.0
					ACTUAL	21.03	22.3
			EXPENDITURES IN MILLION PESOS		PROJECTED	16.713	18.30
					ACTUAL	15.388	16.36
PROJECT DURATION						JAN	FEB

EXPENDITURES

PROJECT TITLE: RINCONADA / BUHI-LALO (BIAD III) PROJ

ASS	ESTIMATED COST (₱000)	% WEIGHT	PARTI-CULARS	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	12,286	16.79	PROJECTED							1	5
			ACTUAL								
	9,084	12.41	PROJECTED								
			ACTUAL								
	2,116	2.89	PROJECTED								
			ACTUAL								
A	1,390	1.90	PROJECTED	22	31	40	50	60	69	79	85
			ACTUAL	17.52	17.53						
A	3,100	4.24	PROJECTED	33	41	50	59	68	75	82	88
			ACTUAL	26.74	31.79						
A	6,000	8.20	PROJECTED	11	13	15	18	21	23	26	29
			ACTUAL	9.19	13.92						
A	2,892	3.95	PROJECTED	90	92	94	95	96	97	98	99
			ACTUAL	89.63	90.19						
	5,000	6.83	PROJECTED	18.30	20.01	21.71	23.42	25.13	26.84	28.55	30.26
			ACTUAL	16.59	20.05						
A	2,926	4.00	PROJECTED	74	78	82	85	89	92	94	96
			ACTUAL	69.24	69.40						
A	1,600	2.10	PROJECTED	41.67	43.24	44.80	46.36	47.92	49.49	51.05	52.61
			ACTUAL	40.11	41.65						
A	800	1.09	PROJECTED	18	10	21	24	27	30	33	37
			ACTUAL	13.71	14.50						
A	5,026	6.87	PROJECTED	21	23	26	28	31	33	36	39
			ACTUAL	19.18	20.38						
A	573	0.78	PROJECTED	9	11	14	17	20	24	27	31
			ACTUAL	6.17	6.70						
A	1,500	2.05	PROJECTED	1	2	5	10	15	21	27	35
			ACTUAL		3.34						
	54,293										
	4,466	6.10	PROJECTED	57	61	65	68	72	75	78	81
			ACTUAL	55.05	56.50						
	10,797	14.76	PROJECTED	37.53	41.39	45.25	49.11	52.97	56.82	60.68	64.54
			ACTUAL	33.74	35.09						
	21	0.03	PROJECTED	100	100						
			ACTUAL	100	100						
	1,440	1.97	PROJECTED	35	40	45	50	55	60	65	69
			ACTUAL	30.64	30.76						
	2,158	2.95	PROJECTED								
			ACTUAL								
	PERCENT EXPENDITURES		PROJECTED	22.04	25.01	27.33	29.63	32.07	34.19	36.60	39.36
			ACTUAL	21.03	22.37						
	EXPENDITURES IN MILLION PESOS		PROJECTED	16.713	18.301	20.013	21.682	23.467	25.019	26.782	28.802
			ACTUAL	15.386	16.369						
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG

1982

SUBMITTED BY:

NCONADA / BUHI-LALO (BIAD III) PROJECT

LEGEND: CUM. PROJECTED % EXPEND. / CUM. ACTUAL % EXPEND.

1982										AMOUNT IN MILLION PESOS
MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	73.175
				1	5	11	19	28	40	100%
							2	10	20	
40	50	60	69	79	85	92	96	99	100	
50	59	68	75	82	88	93	97	98	100	
										58.540
15	18	21	23	26	29	32	35	38	42.02	60%
94	95	96	97	98	99	99.25	99.50	99.75	100	
21.71	23.42	25.13	26.84	28.55	30.26	31.96	33.07	35.38	37.09	
82	85	89	92	94	96	98	99	99.5	100	
44.80	46.36	47.92	49.49	51.05	52.61	54.17	55.74	57.30	58.83	
										43.000
21	24	27	30	33	37	40	43	47	51.21	60%
26	28	31	33	36	38	41	43	43	43.71	
14	17	20	24	27	31	35	39	44	47.86	
5	10	15	21	27	35	42	30	58	66.67	
										29.270
										40%
65	68	72	75	78	81	84	87	89	91.36	
45.25	49.11	52.97	56.82	60.68	64.54	68.40	72.26	76.12	79.98	
										14.635
45	50	55	60	65	69	74	78	82	84.40	20%
27.35	29.63	32.07	34.19	33.60	39.36	42.47	45.42	48.39	53.57	
20.013	21.682	23.467	25.019	26.782	28.802	31.077	34.23	36.068	39.053	
MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1982										

SUBMITTED BY:

FELICIANO B. BERDIN JR.
CHIEF FIELD ENGINEER

DESIGN STATUS REPORT FOR RINCONADA/BUHI-LALO (BIAD III) PROJECT AS OF FEBRUARY 15, 1982

I. STRUCTURES	Estimated No. of Units: Proposed	Modification	Accomplishment: This Period	To Date	Acc. (%) To Date	Performance Wt. (%)	Weighted Acc. (%)	REMARKS
1. ULRIS AREA	259	19	10	259	100.00	9.14	9.14	Completed
				19	100.00	0.67	0.67	Completed
2. LLRIS AREA	855		20	68	7.95	30.19	2.40	Tentative

II. CANALS/LATERALS	Estimated Length (kms): Proposed	Modification	Accomplishment: This Period	To Date	Acc. (%) To Date	Performance Wt. (%)	Weighted Acc. (%)	REMARKS
1. ULRIS AREA								
		11.588		11.588	100.00	5.37	5.37	Completed
2. LLRIS AREA	27.349			13.90	50.82	12.68	6.44	Tentative
		14.980		12.08	80.64	6.95	5.60	-do-

III. FARM DITCHES/DRAINS	Estimated Length (kms): Proposed	Modification	Accomplishment: This Period	To Date	Acc. (%) To Date	Performance Wt. (%)	Weighted Acc. (%)	REMARKS
1. ULRIS AREA	75.470	11.380		74.146	98.24	5.52	5.42	Tentative
				11.380	100.00	0.83	0.83	Completed
2. LLRIS AREA	186.727		13.852	28.930	15.50	13.65	2.12	Tentative

IV. PROJECT FACILITIES	Estimated No. of Units: Proposed	Modification	Accomplishment: This Period	To Date	Acc. (%) To Date	Performance Wt. (%)	Weighted Acc. (%)	REMARKS
1. Office Site/Comp.	4			4	100.00	3.33	3.33	Completed
2. Gatekeepers	2			2	100.00	1.67	1.67	-do-
3. WMT	5			5	100.00	4.17	4.17	-do-
4. Ext'n. of Trng. Center	1			1	100.00	0.83	0.83	-do-

V. IRRIGATION NETWORK/ GENERAL LAYOUTS	Estimated Area (has.) (Paper Location	Accomplishment: This Period	To Date	Acc. (%) To Date	Performance Wt. (%)	Weighted Acc. (%)	REMARKS
1. ULRIS AREA	1,016	-	1.016	100.00	1.45	1.45	Completed
2. Sta. Justina Area	183	-	183	100.00	0.26	0.26	-do-
3. LLRIS AREA	2,233.66	-	2,095.54	100.00	3.19	3.19	-do-

4. Lake Buhi Control Structure Site	12	-	12.50	100.00	0.02	0.02	Completed
5. Tabao River Channelization	60	-	60	100.00	0.08	0.08	Completed
TOTAL PERCENTAGE OF ACCOMPLISHMENT					100.00	52.99	

Prepared by:

RAFAEL P. RABACAL
Engineer A

Checked by:

MANUEL A. SILERIO
Actg. Chief, Design Sec.

Submitted by:

VIRGILIO F. BRUSAS
Chief, Engineering Division

Approved by:

FELICIANO B. BERDIN
Chief Field Engineer

REPUBL
NATIONAL IR
OFFICE
STAT
ORGA

RINCONADA / BUHI – LALO (BIAD III) PROJECT
NAME OF PROJECT

DIVISION / SECTION	GOVERNMENT FORCES			
	PROFESSIONAL		NON PRO	
	TECHNICAL	NON TECH.	TECHNICAL	NON TECH.
PROJECT PERSONNEL				
A. GOVERNMENT PERSONNEL:				
1. OFFICE OF THE CHIEF FIELD ENGINEER				
i. CHIEF FIELD ENGINEER	1			
ii. CHIEF FIELD ENGINEER'S STAFF	2	1		
iii. MATERIAL TESTING & CONTROL STAFF	2		1	
2. ENGINEERING DIVISION				
i. OFFICE OF THE DIVISION MANAGER &	1	1		
ii. DESIGN & SPECIFICATION SECTION	5		6	2
iii. PLANS & PROGRAMMING SECTION	2		5	
iv. MONITORING COST & EVAL'N SECTION	3		5	4
3. EQUIPMENT DIVISION	4		52	
i. OFFICE OF THE PRINCIPAL ENGR. &				
ii. EQUIPMENT UTILIZATION & CONTROL SECTION				
iii. EQUIPMENT & REPAIR SECTION				
iv. PREVENTIVE MAINTENANCE SECTION				
4. AGRICULTURAL COORDINATING DIVISION				
i. AGRICULTURAL COORDINATING OFFICE		4		1
ii. RESEARCH & DEVELOPMENT SECTION	2	5		
iii. IRRIGATION ASSISTANCE & TRAINING SECTION		22		
iv. EVALUATION & STATISTICS SECTION	1	11		
5. ADMINISTRATIVE DIVISION				
i. ADM. SERVICES CHIEF	1	1		
ii. PERSONNEL & RECORDS SECTION		2		2
iii. ACCOUNTING SECTION		6		2
iv. CASHIERING SECTION		5		5
v. PROPERTY & PROCUREMENT SECTION		8		
vi. GENERAL SERVICES SECTION		4	1	
vii. MEDICAL & DENTAL SERVICES		1		
6. RINCONADA-LALO CONSTRUCTION OFFICE	12	2	1	
7. LAKE BUHI CONSTRUCTION OFFICE	2			12
8. COA		1		4
3. O & M		2		13
TOTAL	38	72	72	44

PROBLEMS/ACTION REQUESTED FROM PDI

PREPARED BY:

MARIO F. OBRERO
PERSONNEL ASST. B

CHECKED BY

RAOUL R. URSU
ADMINISTRATIVE SERVICES CH

T14 E

REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
OFFICE OF THE SPECIAL PROJECT

PROJECT

STATUS REPORT ON
ORGANIZATION FORCE

	GOVERNMENT FORCES						NAME OF COMPANY
	PROFESSIONAL		NON PROFESSIONAL				
	TECHNICAL	NON TECH.	TECHNICAL	NON TECH.	SKILLED	UNSKILLED	
							D. CONTRACTOR'S PERSONNEL
	1						
	2	1			1		1. E A SANCHO CONSTRUCTION
	2		1		5	11	
	1	1					2 JOCOM CONSTRUCTION
	5		6	2			3 SSD LOPEZ CONSTRUCTION
	2		6				
	3		6	4	8		
	4		62				
TION			1				
							1
		4		1			
	2	3				8	
CTION		22					
	1	11					
	1	1					
		2		2			
		6		2			
		3		3			
		6					
		4	1		1	8	
		1					
	12	2	1		16	112	
	2			12			
		1		4			
		2		13			
OTAL	38	72	72	44	22	134	

DI

CHECKED BY

RAOUL R. URSUA
ADMINISTRATIVE SERVICES CHIEF A

SUBMITTED BY

FELICIA
CHIEF

THE PHILIPPINES
TION ADMINISTRATION
E SPECIAL PROJECT

T14 C

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8

REPORT ON
ATION FORCE

FOR THE PERIOD ENDING FEB. 10, 1981

CIONAL		NAME OF COMPANY	PRIVATE (CONTRACTORS/CONSULTANT EMPLOYEE)			
			PROFESSIONAL		SKILLED	UNSKILLED
LLED	UNSKILLED		TECHNICAL	NON-TECHNICAL		
		A. CONTRACTOR'S PERSONNEL				
		1. E A SANCHO CONSTRUCTION			9	2
1						
5	11					
		2 JOCOM CONSTRUCTION			3	7
		3 SSD LOPEZ CONSTRUCTION			8	6
8						
	8					
1	8					
15	112					
22	134				20	15

SUBMITTED BY

FELICIANO D. BERDIN JR.
CHIEF FIELD ENGINEER

T15 A

PROGRESS REPORT CHART

RINCON

JO - 3000 SJO	SSJO	PARTICULARS	PERF WEIGHT %	5%	10%
3100		INSTITUTIONAL & AGRIC'L DEV'T SUPERVISION	9.90		
3200		RESEARCH & DEVELOPMENT SECTION	16.96		
	3210	(a) RESEARCH & DEVELOPMENT SUPERVISION	9.75		
	3220	(b) W M PARAMETERS CHARACTERIZATION	25.08		
	3230	(c) HYDROMETEOROLOGICAL STUDIES	25.08		
	3240	(d) OPERATION ON DEMONSTRATION FARMS	40.08		
3300		IRRIGATORS ASSISTANCE & TRAINING SECTION	22.64		
	3310	(a) IRRIGATORS ASSISTANCE TRAINING SUPERVISION	17.65		
	3320	(b) FORMATION & DEV'T OF FARMERS ORGANIZATION	53.45		
	3330	(c) TRAINING & DEVELOPMENT PROGRAMS	28.9		
3400		EVALUATIONS & STATISTICS SECTION	33.53		
	3410	(a) EVALUATION & STATISTICS SUPERVISION	10.86		
	3420	(b) AGRO-ECONOMIC REPORTS INFORMATION	89.14		
4900		PROCUREMENT OF FACILITIES AND/OR EQUIPMENT FOR RESEARCH, OFFICE, TRAINING & INFOR	9.85		
JO - 3000		TOTAL ACCOMPLISHMENT	100		

LEGEND

% SCHEDULED

0 50 100

ACTUAL PROGRESS

% ACC. PREVIOUS MONTH

% ACC. THIS MONTH

Prepared by:

S

Acty. Ch

T15 B

RT OF THE INSTITUTIONAL & AGRICULTURAL DEV

CONADA / BUHI – LALO (BIAD III) PROJECT

FOR THE MONTH OF FEB. 15, 1982

PHYSICAL OUTPUT PERCENTAGE OF ACCOMPLISHMEN

/% 15% 20% 25% 30% 35% 40% 45% 50% 55% 60%

41.30

36.61

37.04

36.68

43.64

46.11

41.38

57.99

57.09

41.10

41.38

41.07

45.20

Checked by:

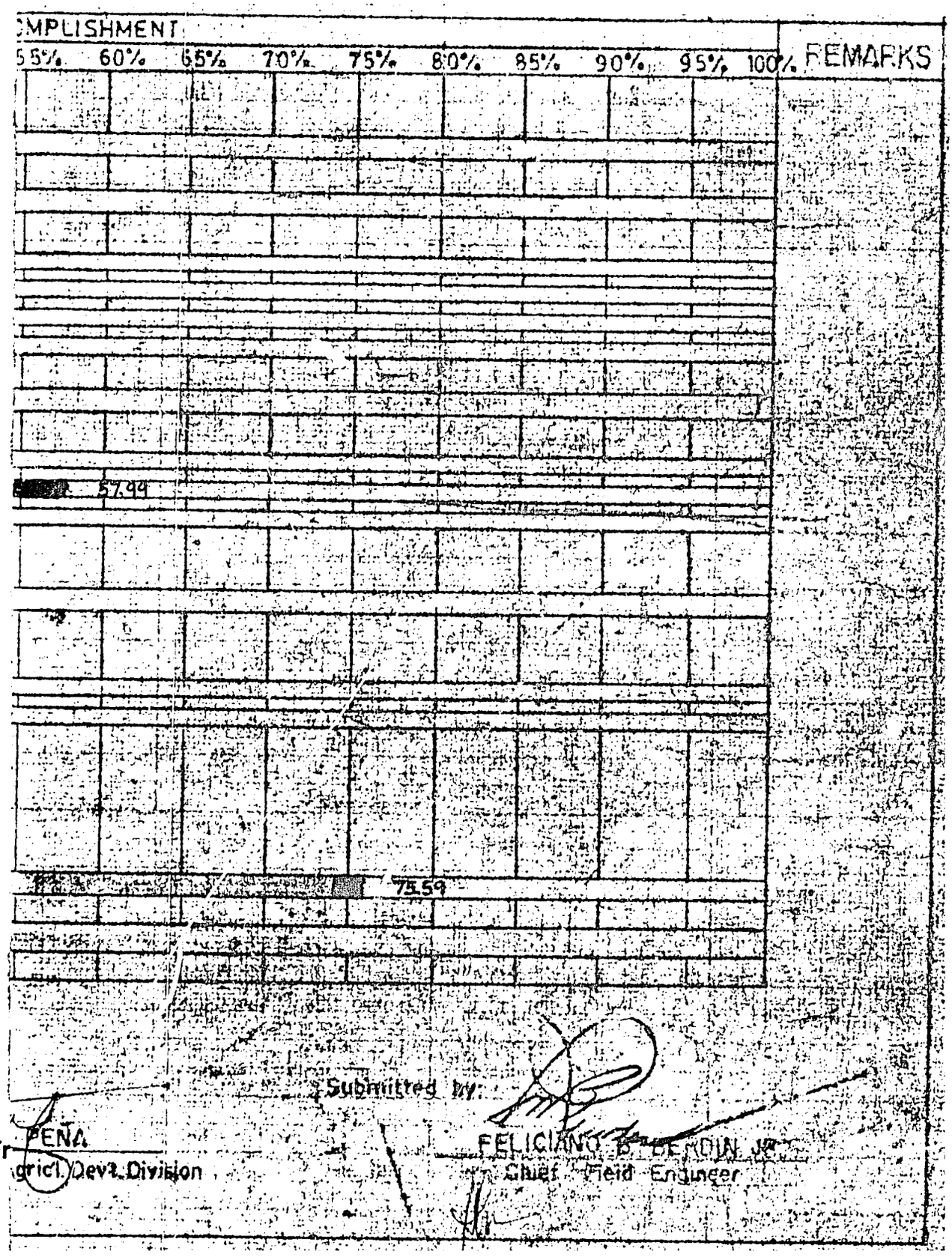
SOCORRO T. OSORIO
Acting Chief, Evaluation & Statistic Section

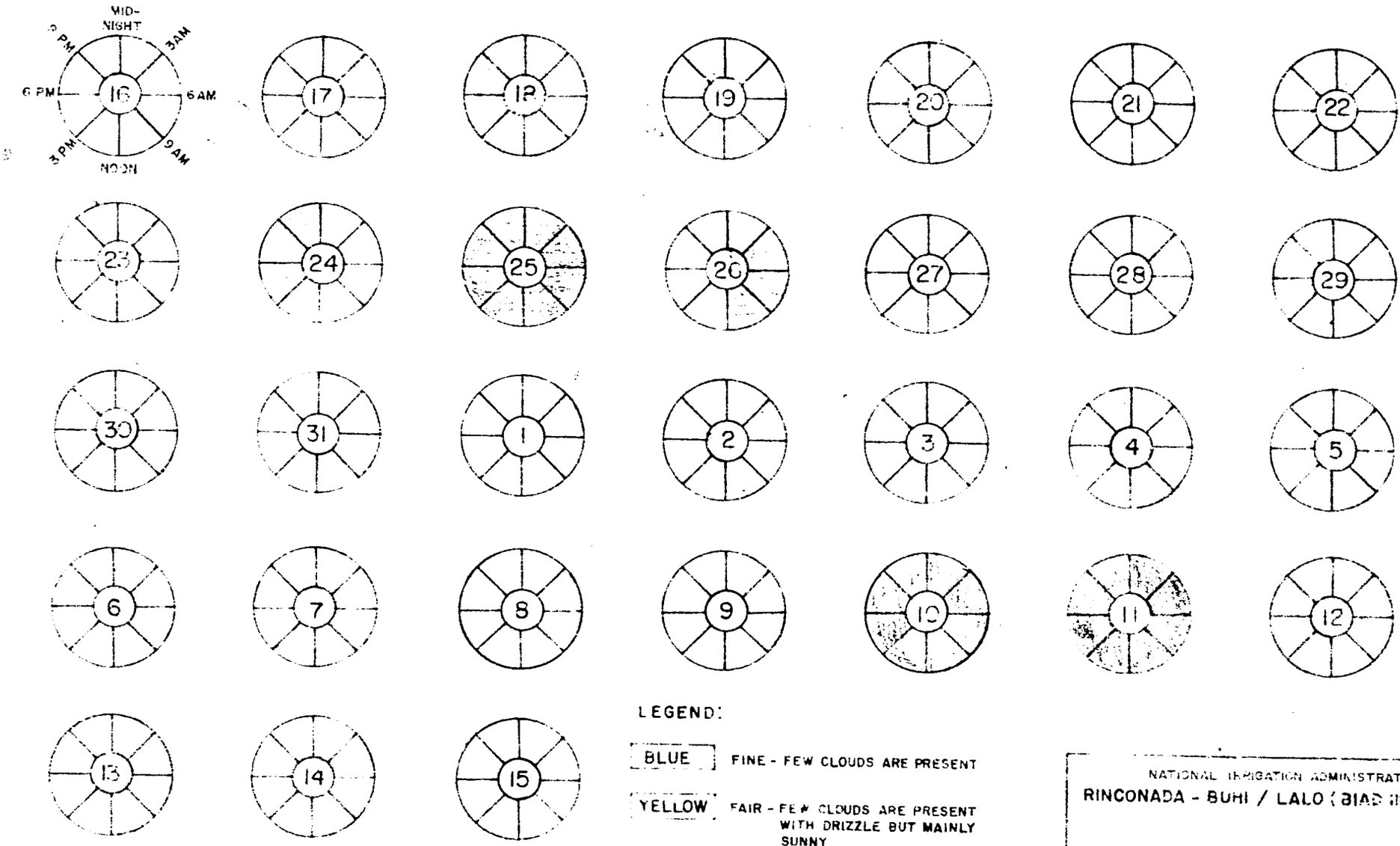
PEDRO C. PEÑA
Chief, Instl & Agricl. Dev't. Div.

Peas
From the collectio

T-15 C JRAL DEVELOPMENT DIVISION

T-N C





LEGEND:

BLUE	FINE - FEW CLOUDS ARE PRESENT
YELLOW	FAIR - FEW CLOUDS ARE PRESENT WITH DRIZZLE BUT MAINLY SUNNY
GREEN	CLOUDY - CLOUDY WITH SOME RAIN
RED	RAINY
BLACK	STORMY

NATIONAL IRRIGATION ADMINISTRATION

RINCONADA - BUHI / LALO (BIAD III) PROJECT

WEATHER CHART

FROM JAN 16, TO FEB 15, 1982

PREPARED BY:

NARCISO VILLAREAL
ASST. IRRIG. ENGINEER

SUBMITTED BY

EDGAR ABELINDE
OIC WATER MGT. STANDUSE SECTION

RAINFALL AND EVAPORATION DATA
January 15 - February 10, 1982

SITES	RAINFALL, mm		EVAPORATION, mm	
	Total	Average	Total	Average
Antipolo	200.4	6.5	128.400	4.142
Los Angeles	200.6	6.5	191.953	6.192
San Antonio*	150.8	4.9		
Salvacion	141.3	4.6	136.596	4.406
San Vicente*	136.1	4.4		
AVERAGE	165.8	5.3	152.316	4.913

*Stations without evaporation pan.

Prepared by:

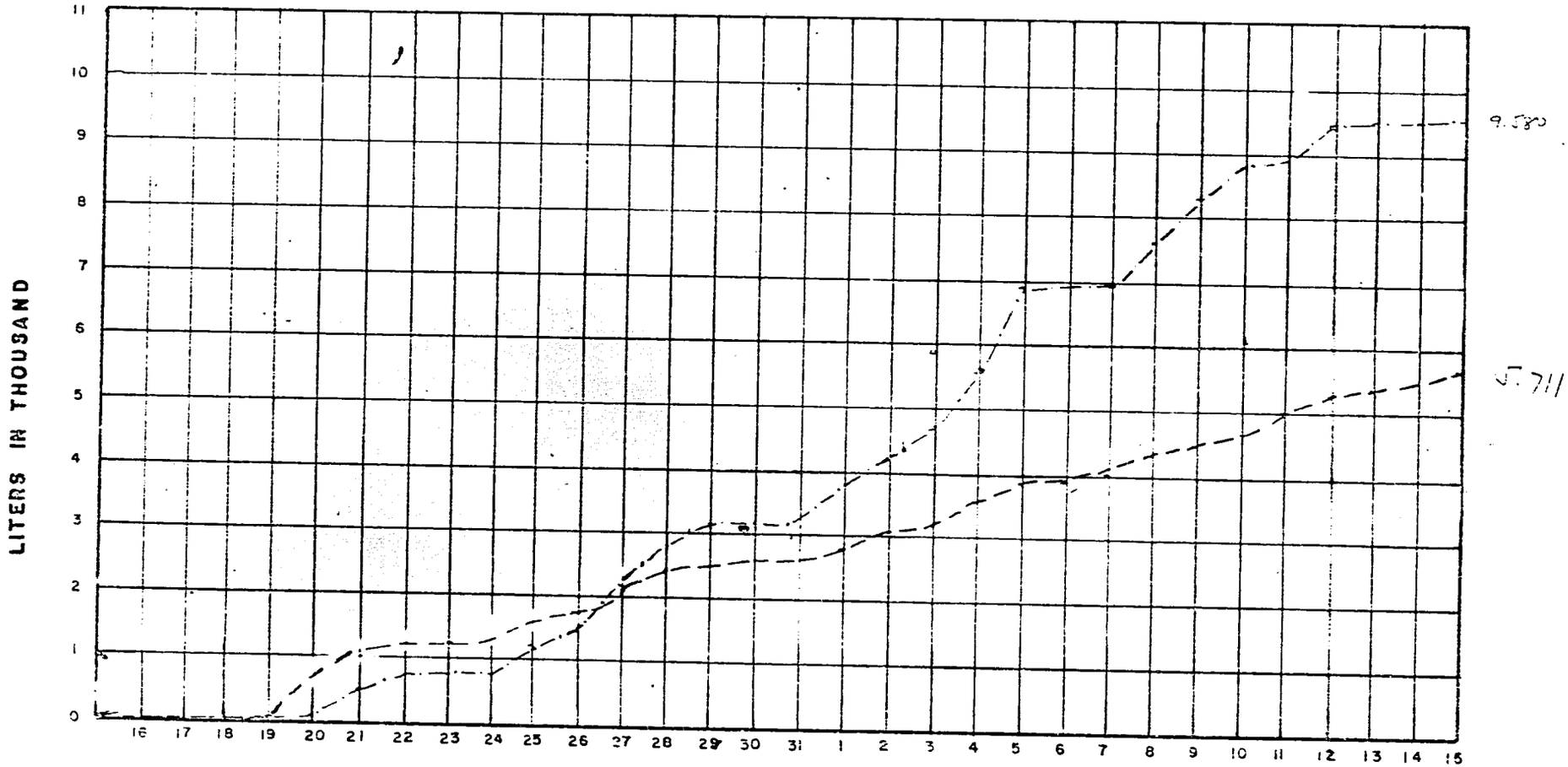
NARCISO G. VILLAREAL
Engineer A

Checked by:

EDGAR A. ABELINDE
OIC, F & D Section

Submitted by:

FELIX G. PEÑA
Senior Agricultural Coordinating Officer



LEGEND:

REGULAR GASOLINE ---------- 5.711

PREMIUM GASOLINE ———— 0

DIESOLINE —.—.—.—.—.— 9.580

C-3

Prepared by:

SANTIAGO CRUZATA
Engg. Asst. B

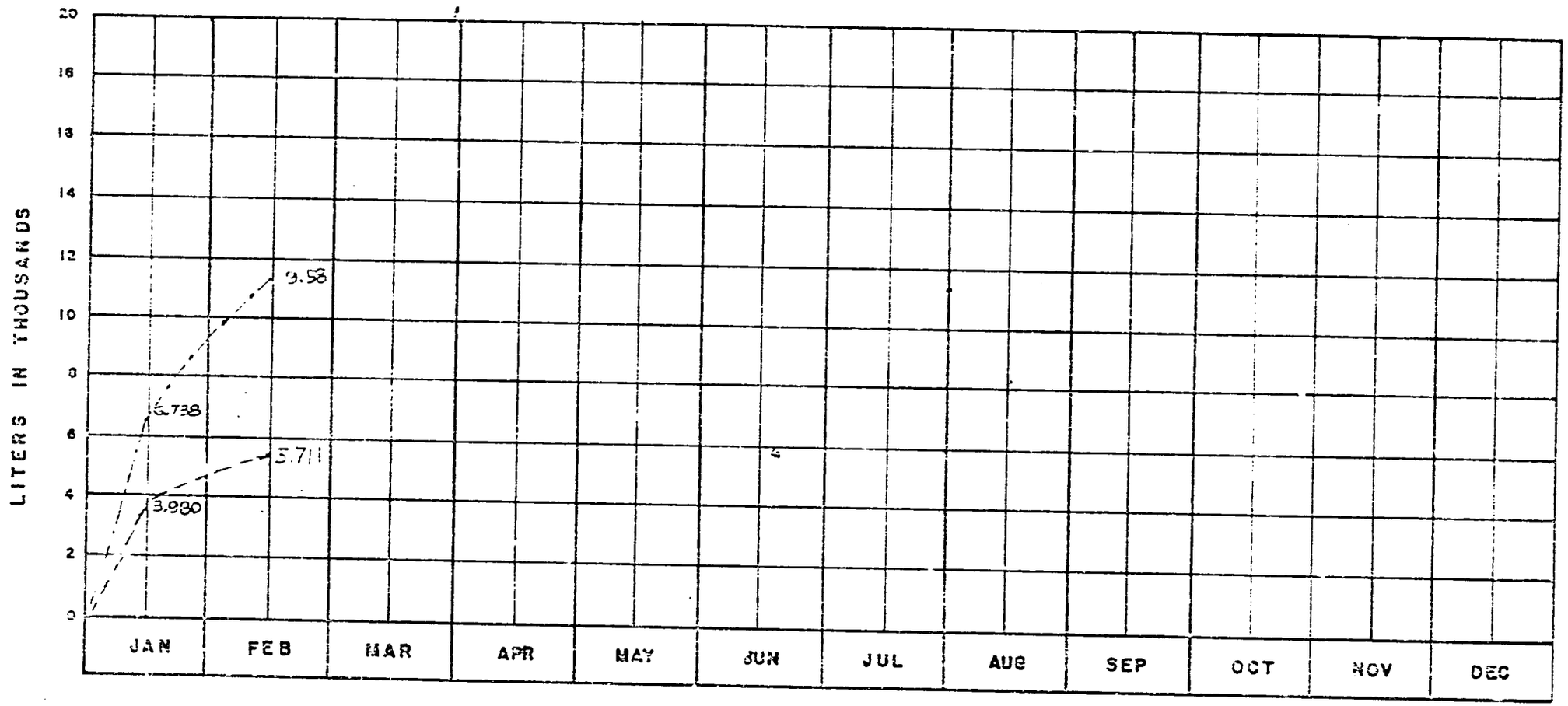
Checked by:

VIRGILIO F. BRUSAS
Chief, Engineering Division

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI-LALO (BIAD III) PROJECT
STA. ELENA, IRIGA CITY

DAILY FUEL CONSUMPTION CHART

FROM JAN 16, TO FEB 15, 1982



LEGEND:

REGULAR GASOLINE - - - - - - - - - 5.711

PREMIUM GASOLINE _____ 0.00

DIESOLINE —·—·—·— 9.58

-C-4,

NATIONAL IRRIGATION ADMINISTRATION
RINCONADA/BUHI - LALO (SIAD III) PROJECT
STA. ELENA, IRIGA CITY

MONTHLY FUEL CONSUMPTION CHART

FROM JAN 1'S TO FEB 28, 1981

Prepared by:

SANTIAGO CRUZATA
Engg. Asst. 8

Checked by:

VIRGILIO F. BRUSAS
Chief, Engineering Division

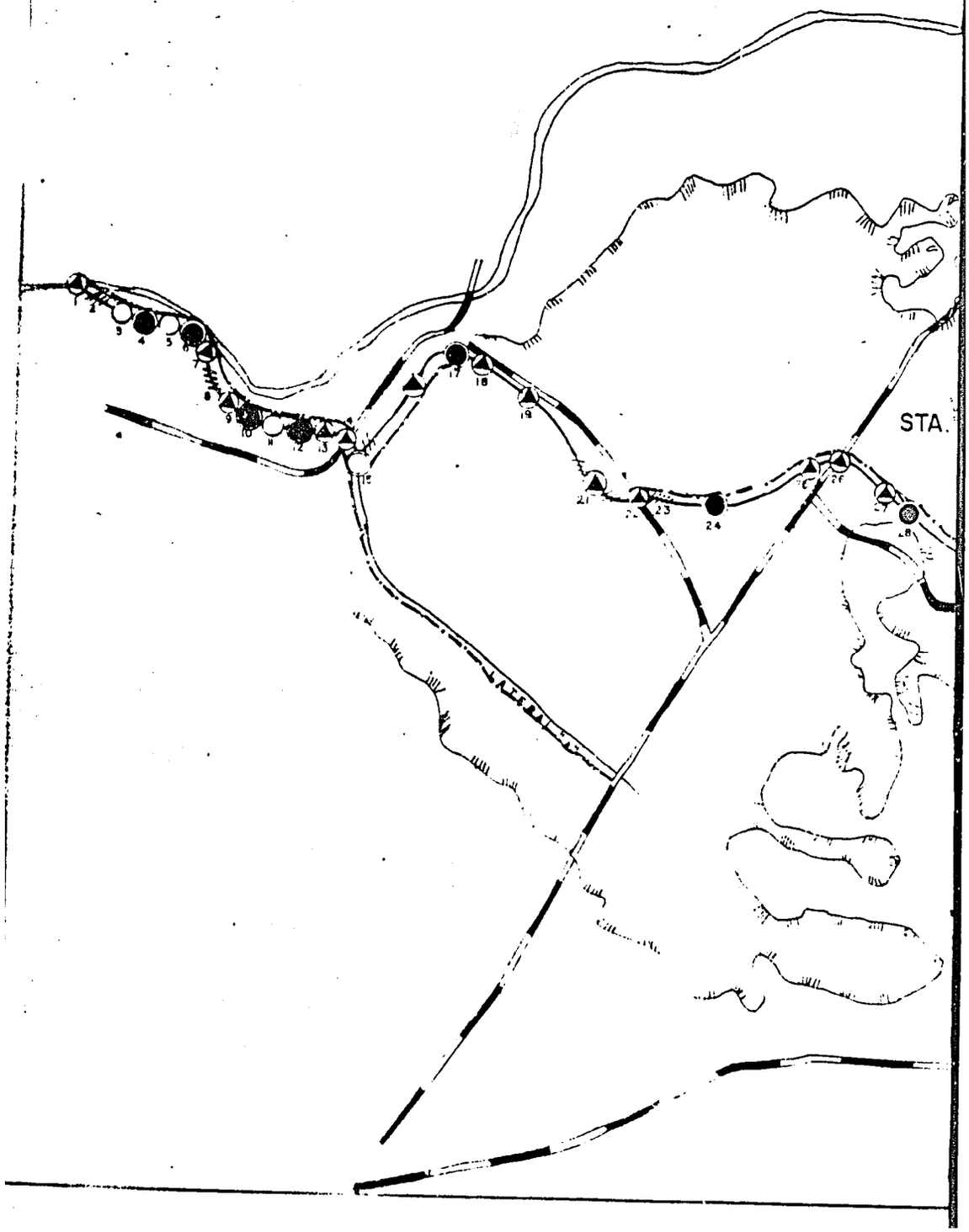
STRUCTURAL PROGRESS LAYOUT (ALONG M

NO.	STATION	NAME OF STRUCTURE
1	0 + 000	INTAKE
2	0 + 047 – 0+200	CONCRETE LINING
3	0 + 200 –	CANAL TRANSISTION
4	0 + 582	COMB. THRESHER CR. & DROP
5	0 + 720	SIDE CHANNEL SPILLWAY
6	0 + 927	SIPHON
7	0 + 930	DRAINAGE CULVERT
8	0 + 951.40	CONCRETE LINING
9	0 + [illegible]	FLOODWAY (LEFT)
10	1 + 043	THRESHER CROSSING & DROP

NO.	STATION	NAME OF STRUCTURE
11	1 + 035.36	PADDY DRAIN
12	1 + 182	SIPHON
13	1 + 191	DRAINAGE CULVERT
14	1 + 368	MUN. ROAD CROSSING
15	1 + 448	INCLINED CHUTE
16	1 + 880	BULLCART CR
17	2 + 124	THRESER CR. & DROP
18	2 + 240	BULLCART CR
19	2 + 760	BULLCART CR
20	2 + 871	CONCRETE LINING

NO.	STATION
21	3 + 000
22	3 + 217
23	3 + 234.50
24	3 + 580
25	4 + 087
26	4 + 168
27	4 + 473.50
28	4 + 530.65
29	5 + 200
30	5 + 219

NAM



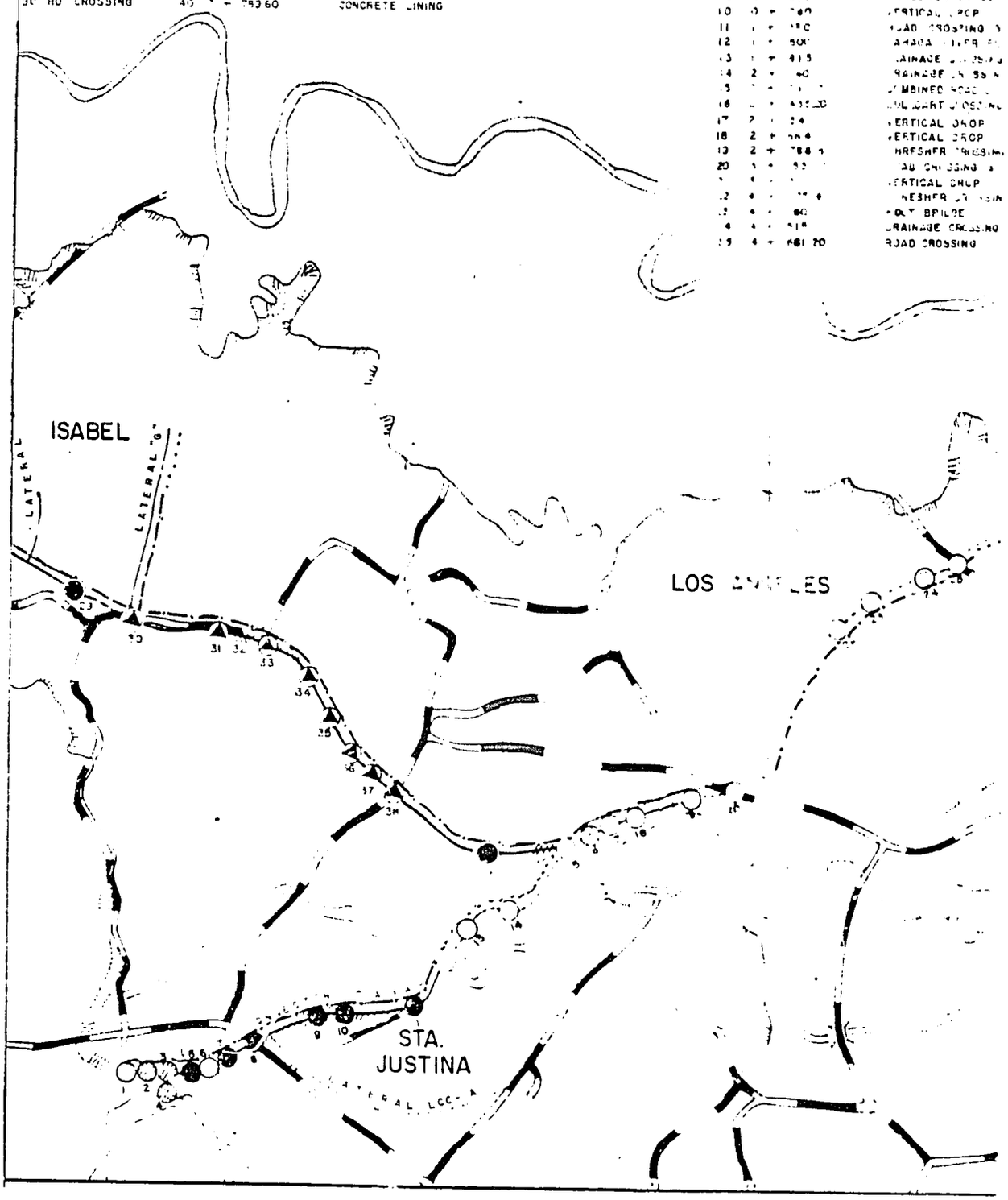
AIN CANAL – ULRIS)

E OF STRUCTURE | NO. | STATION | NAME OF STRUCTURE

BULLCART CR	[illegible]	5 + 836.50	[illegible]
MUN ROAD CR	32	[illegible] + 836.50	CONCRETE LINING
CONCRETE LINING	33	[illegible] + 934	BULLCART CR
DRAINAGE CR	34	6 + 369	THRESHER CR & CHECK
CHECK	35	6 + 615	DRAINAGE CULVERT
NATIONAL RD CR	36	6 + 858	DRAINAGE CR
BULLCART CR	37	6 + 958	SIDE CHANNEL SPILLWAY
BAFFLEDAPRON DROP	38	6 + 975	BO ROAD CR
THRESER CR & DROP	39	7 + 184	THRESER CR & DROP
BO RD CROSSING	40	7 + 783.60	CONCRETE LINING

STRUCTURAL PROGRESS LAYOUT (

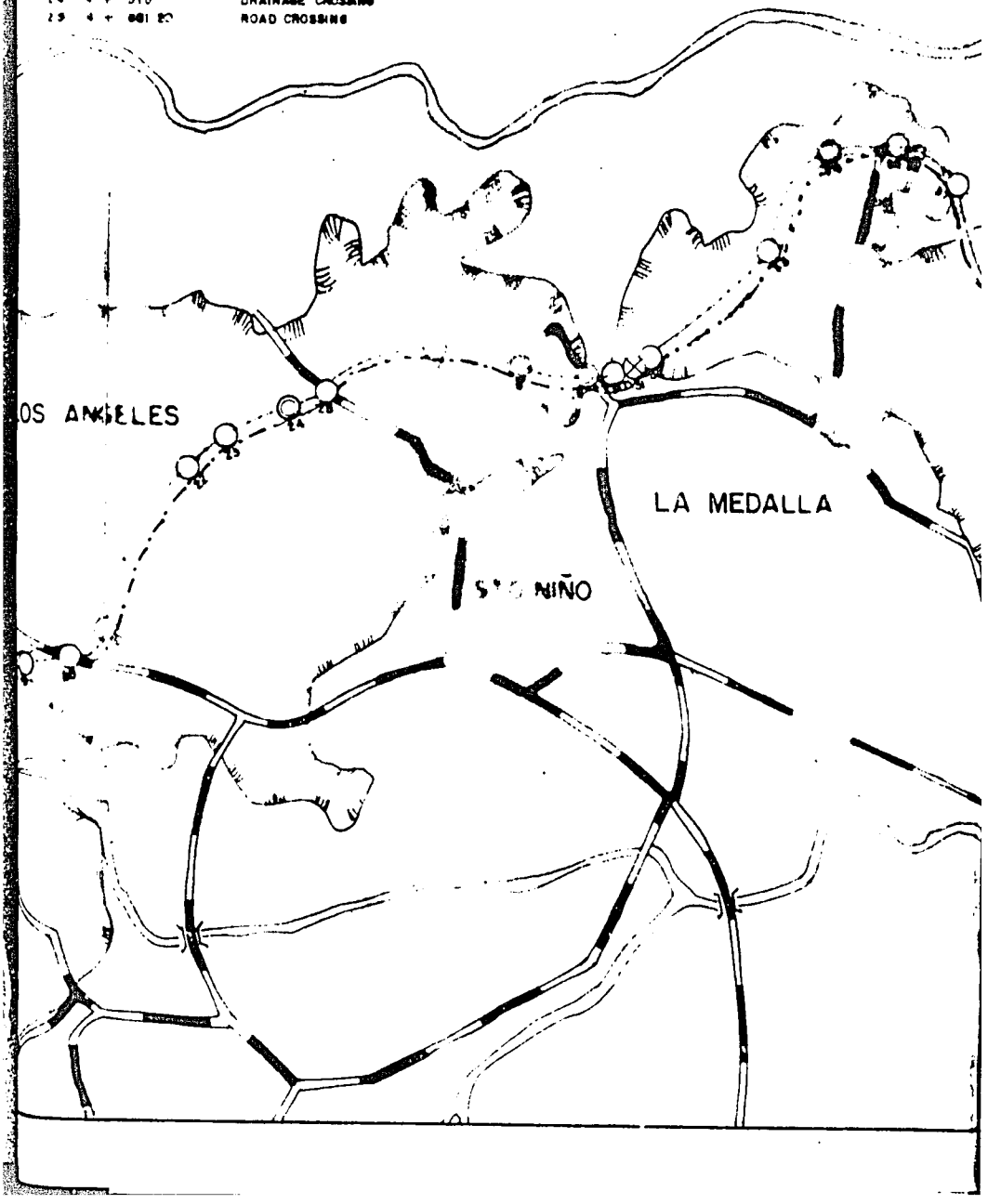
NO.	STATION	NAME OF STRUCTUR
1	0 + [illegible]	[illegible]
2	0 + [illegible]	[illegible]
3	0 + [illegible]	[illegible]
4	0 + [illegible]	[illegible]
5	0 + [illegible]	VERTICAL DROP
6	0 + [illegible]	FOOT BRIDGE
7	0 + 424	VERTICAL DROP
8	0 + 577	PROVINCIAL [illegible]
9	0 + 832	THRESHER [illegible]
10	0 + [illegible]	VERTICAL DROP
11	1 + [illegible]	ROAD CROSSING [illegible]
12	1 + 500	[illegible]
13	1 + 815	DRAINAGE [illegible]
14	2 + [illegible]	DRAINAGE [illegible]
15	[illegible]	COMBINED ROAD [illegible]
16	[illegible]	BULLCART CROSSING
17	2 + [illegible]	VERTICAL DROP
18	2 + [illegible]	VERTICAL DROP
19	2 + [illegible]	THRESHER CROSSING
20	[illegible]	ROAD CROSSING [illegible]
[illegible]	[illegible]	VERTICAL DROP
22	4 + [illegible]	THRESHER CROSSING
23	4 + [illegible]	FOOT BRIDGE
24	4 + [illegible]	DRAINAGE CROSSING
25	4 + 681.20	ROAD CROSSING



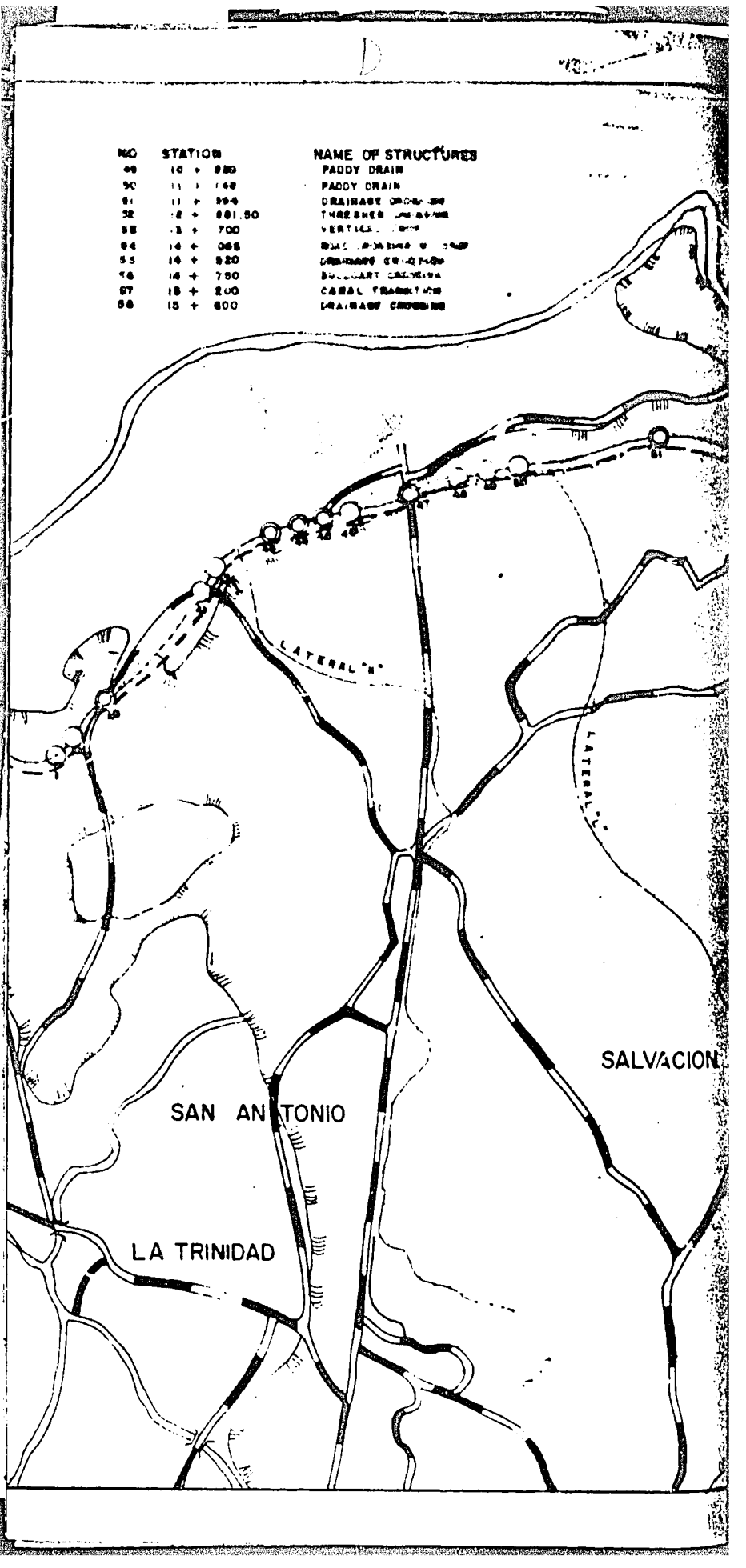
RAL PROGRESS LAYOUT (ALONG LCC & NEW MAIN CANAL - LLRIS)

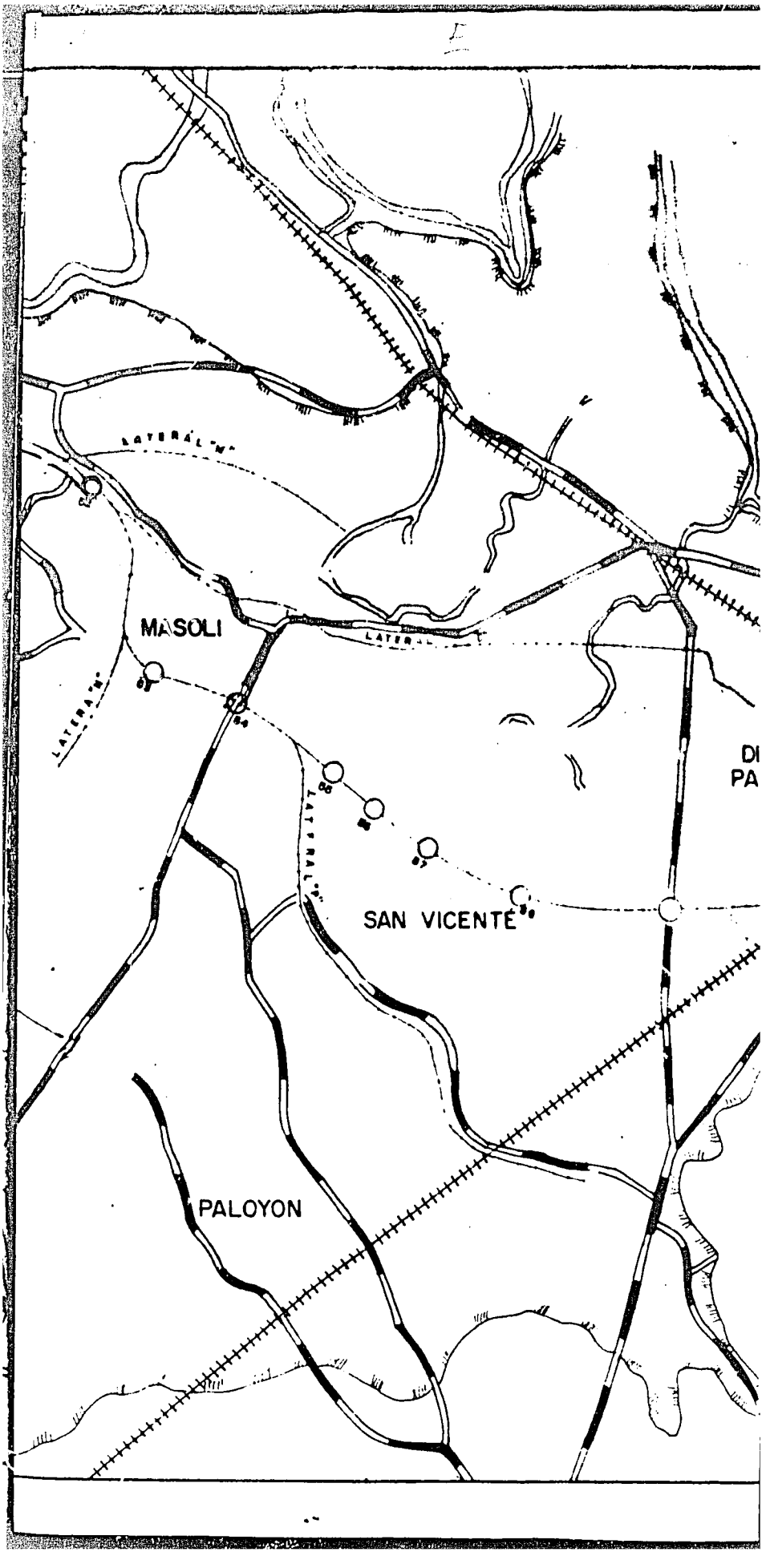
NO.	STATION	NAME OF STRUCTURE
1	0 + 000	INTAKE STRUCTURE
2	0 + 017	INTAKE OUTLET TRANSITION
3	0 + 210	BIFURCATION STRUCTURE
4	0 + 048	BAFFLED APRON DROP
5	0 + 29614	VERTICAL DROP
6	0 + 390	FOOT BRIDGE
7	0 + 424	VERTICAL DROP
8	0 + 577	PROVINCIAL RD CR
9	0 + 852	THRESHER CROSSING & DROP
10	0 + 060	VERTICAL DROP
11	1 + 550	ROAD CROSSING & DROP
12	1 + 600	DARAGA RIVER FLUME / BRIDGE
13	1 + 815	DRAINAGE CROSSING
14	2 + 140	DRAINAGE CROSSING
15	2 + 362.30	COMBINED ROAD CROSSING & NC DROP
16	2 + 438.30	BULLCART CROSSING
17	2 + 540	VERTICAL DROP
18	2 + 624	VERTICAL DROP
19	2 + 788.61	THRESHER CROSSING & DROP
20	3 + 188.70	ROAD CROSSING & CHECK
21	3 + 310	VERTICAL DROP
22	4 + 379.80	THRESHER CROSSING
23	4 + 760	FOOT BRIDGE
24	4 + 515	DRAINAGE CROSSING
25	4 + 681.20	ROAD CROSSING

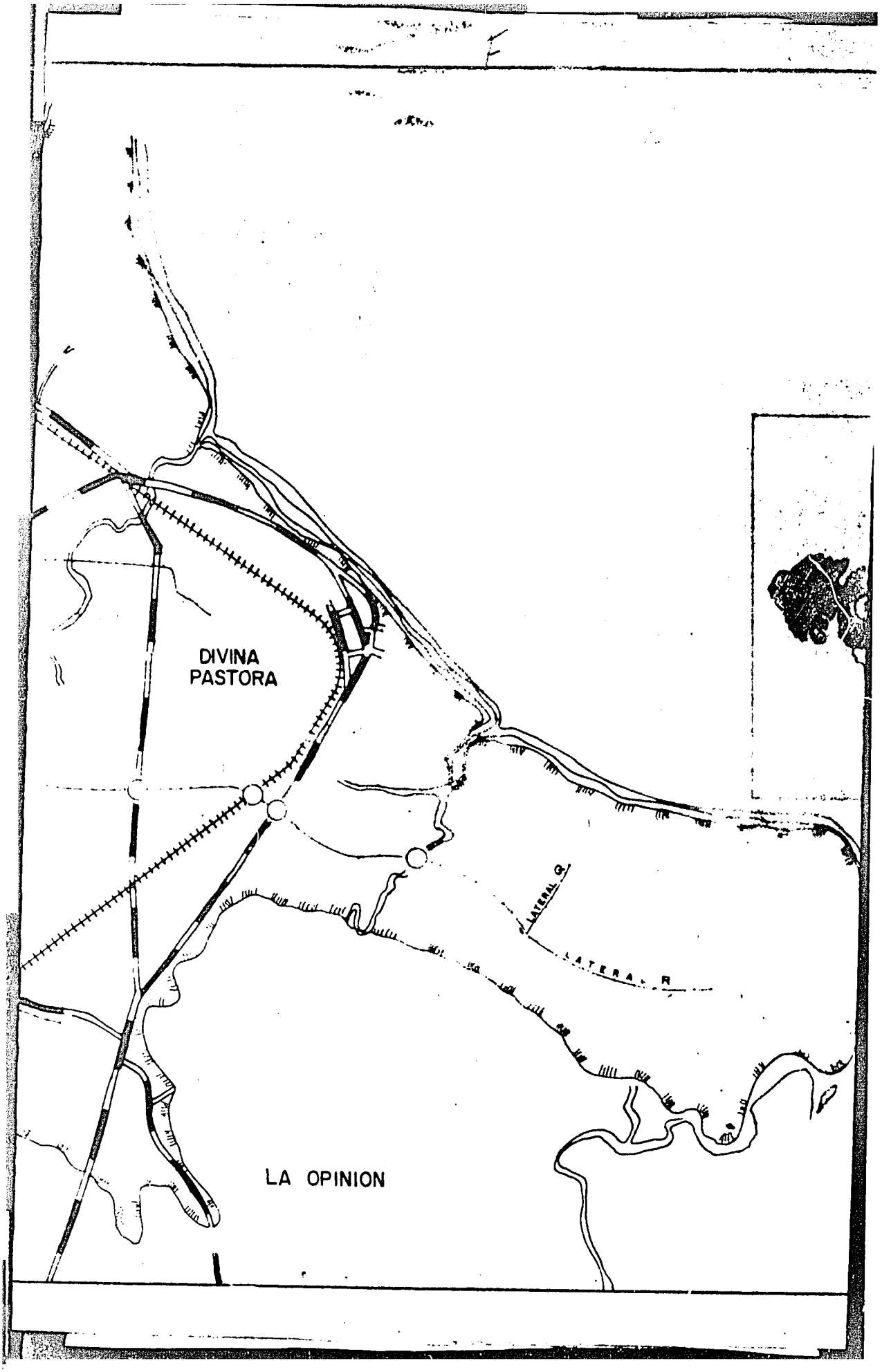
NO.	STATION	NAME OF STRUCTURE
26	5 + 020	CANAL TRANSITION
27	5 + 258	[illegible] BRIDGE
28	5 + 466.80	THRESHER CROSSING & CHECK
29	5 + 797.75	ROAD CROSSING
30	6 + 860	BULLCART CROSSING
31	6 + 037	BULLCART CROSSING
32	6 + 000	DRAINAGE CROSSING
33	6 + 079	BULLCART CROSSING
34	7 + 370	THRESHER CROSSING
35	7 + 600	VERTICAL DROP
36	7 + 785	BULLCART CROSSING
37	7 + 877	DRAINAGE SIPHON
38	8 + 430	BULLCART CROSSING
39	8 + 300	CANAL TRANSITION
40	8 + 786	ROAD CROSSING
41	9 + 432	ROAD CROSSING
42	9 + 604	PADDY DRAIN
43	10 + 002	THRESHER CROSSING & DROP
44	10 + 127	DRAINAGE CROSSING
45	10 + 147	ROAD CROSSING
46	10 + 264	DRAINAGE CROSSING
47	10 + 650	ROAD CROSSING
48	10 + 898	DRAINAGE CROSSING



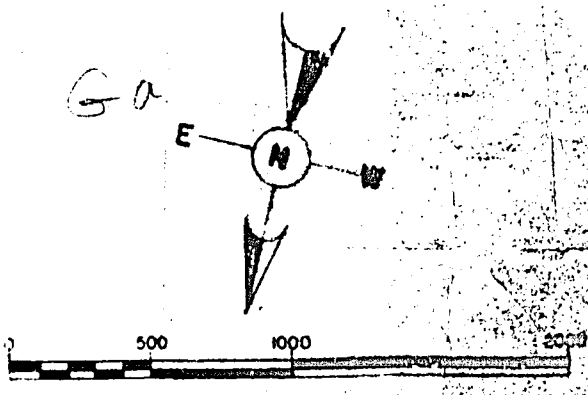
NO	STATION	NAME OF STRUCTURES
49	10 + 880	PADDY DRAIN
50	11 + 148	PADDY DRAIN
51	11 + 994	DRAINAGE [illegible]
52	12 + 881.50	THRESHER [illegible]
53	13 + 700	VERTICAL [illegible]
54	14 + 065	[illegible]
55	14 + 820	DRAINAGE [illegible]
56	14 + 750	BUCCCART [illegible]
57	15 + 200	CANAL TRANSITION
58	15 + 600	DRAINAGE CROSSING




MASOLI
SAN VICENTE
PALOYON


DIVINA
PASTORA
LATERAL Q
LATERAL R
LA OPINION

Ga



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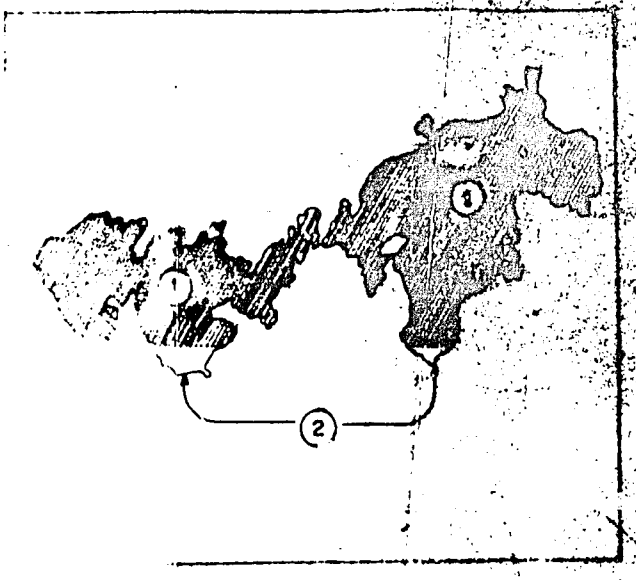
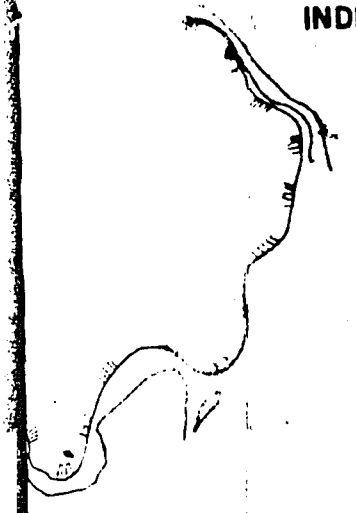


INDEX MAP



LEGEND

STRUCTURES (Canal, Drainage & Road)

NEW CONSTRUCTION:

- Programmed
- On-going
- Completed
- Deleted

SERVICE AND ACCESS ROAD

EXISTING ROAD & DRAINAGE
(Not included in the Proposed)

AREA DELINEATION:

NATIONAL IRRIGATION ADMINISTRATION
PROVINCE OF CAMARINES SUR

RINCONADA/BUHI-LALO (P...)

STRUCTURAL PROGRESS

Area of ...

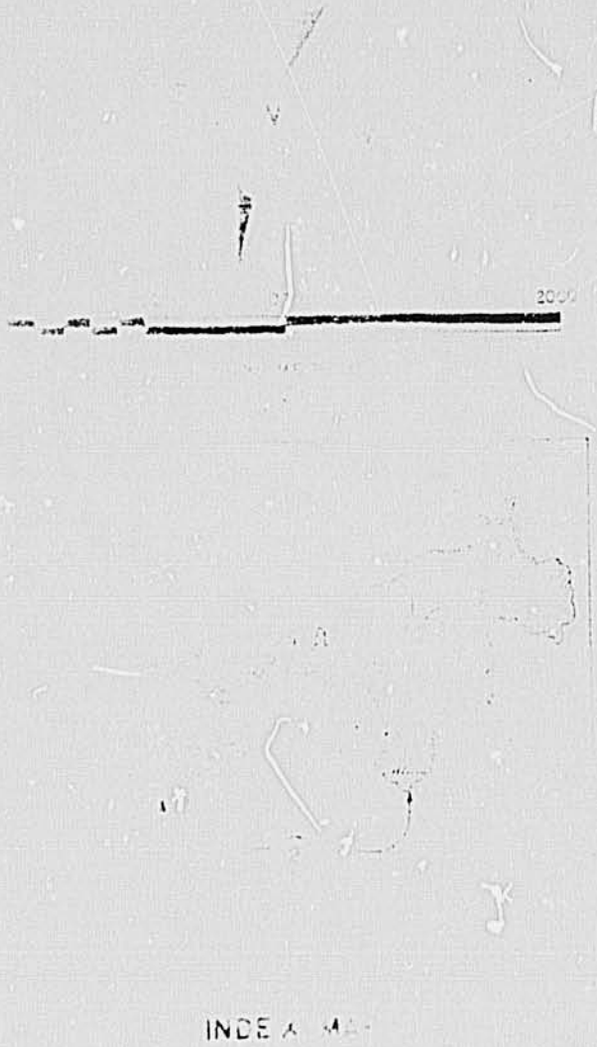
Coverage

IRRIGABLE AREA: (a) New ...
(b) Rehab. 1861

Prepared by:
F.A. NIERVA

SHEET 1 OF 8

G b



LEGEND:

STRUCTURES (Canal, Drainage & Road)

NEW CONSTRUCTION
- Programmed
- On-going
- Completed
- Deleted

3/16" ø

EXISTING STRUCTURES:
- Not Programmed
- Prog. for Modification
- On-going Modification
- Modification Completed

MAIN CANALS & LATERALS:
- Programmed
- On-going
- Completed
- Comp. with Lining

SERVICE AND ACCESS ROADS:
- Programmed
- On-going
- Comp. without Surfacing
- Comp. with Surfacing

DRAINAGE SYSTEM
- Programmed
- On-going
- Completed

PROTECTION DIKE/s:
- Programmed
- On-going
- Completed

EXISTING ROADS & RAILWAYS
(Not Included in the Program)
- Railway, Itchy
- Nat'l/Prov'l/Mun'l/Brgy Roads

AREA DELINEATION:
- Limit of Irrig. Area
- Generated/Improved/Rehabilitated Area

Republic of the Philippines
NATIONAL IRRIGATION ADMINISTRATION
PROVINCE OF CAMARINES SUR

RINCONADA/BUHI-LALO (BIAD III) PROJECT

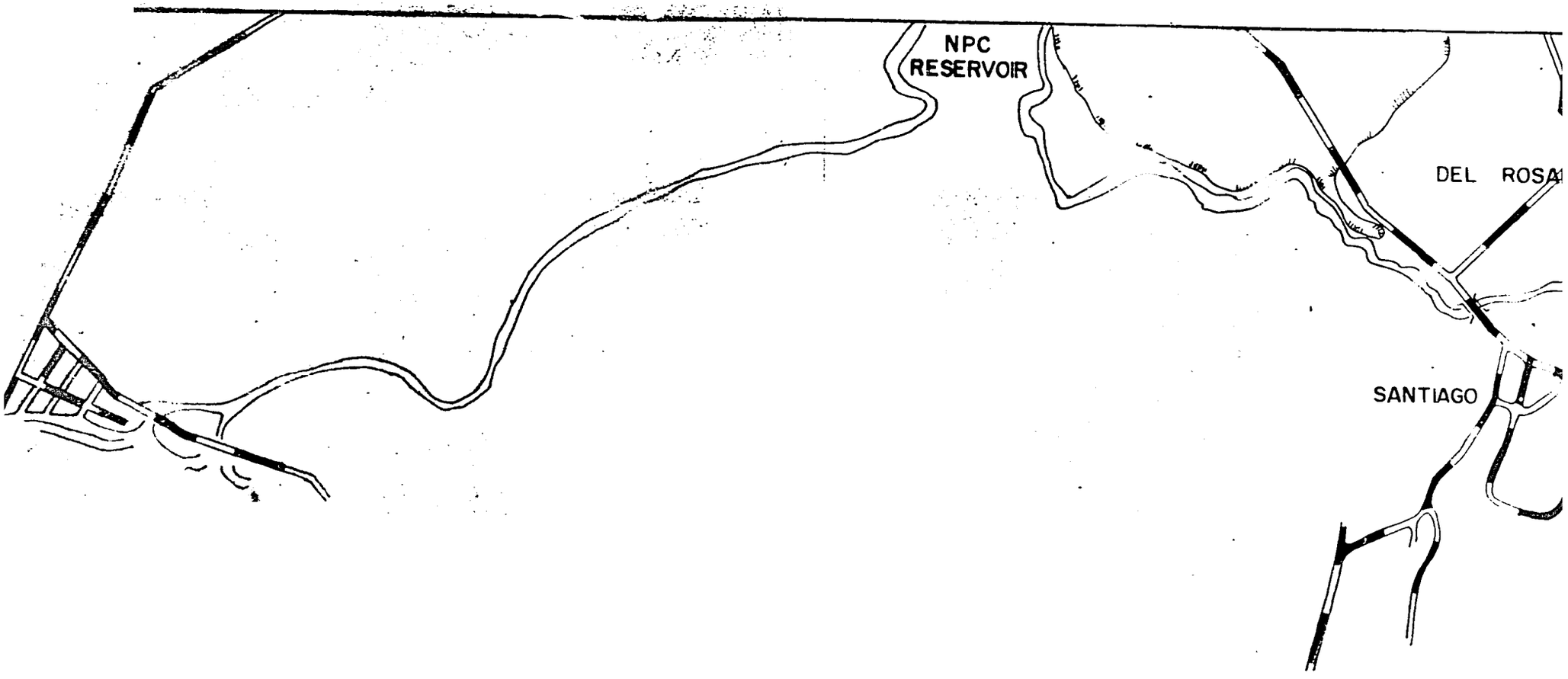
STRUCTURAL PROGRESS LAYOUT

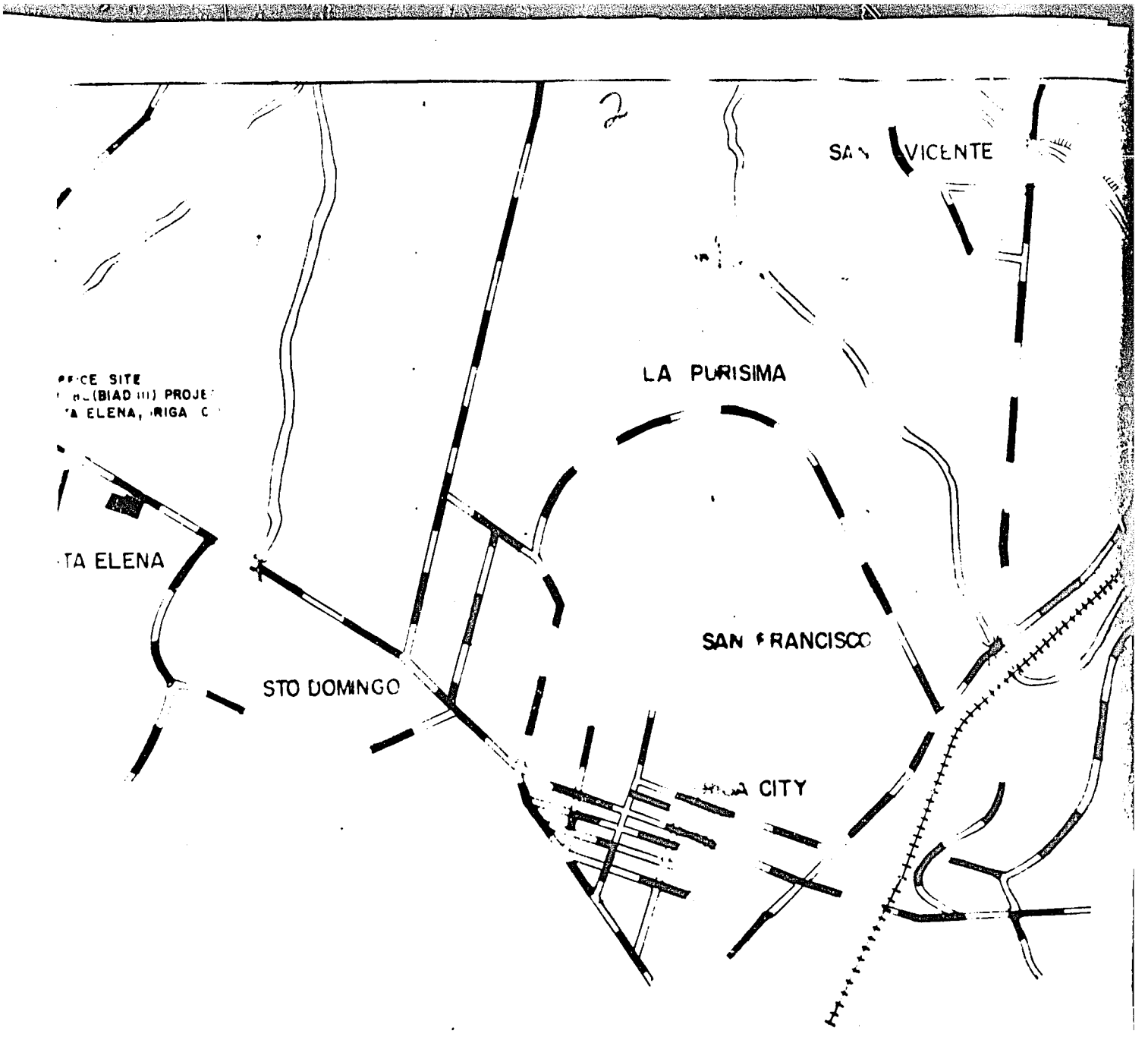
As of FEBRUARY 15, 19 82

Coverage

IRRIGABLE AREA: (a) New 674 Has.
(b) Reheb. 1661 "

Prepared by [illegible] SHEET ____ OF 1 Submitted:


NPC
RESERVOIR
DEL ROSA
SANTIAGO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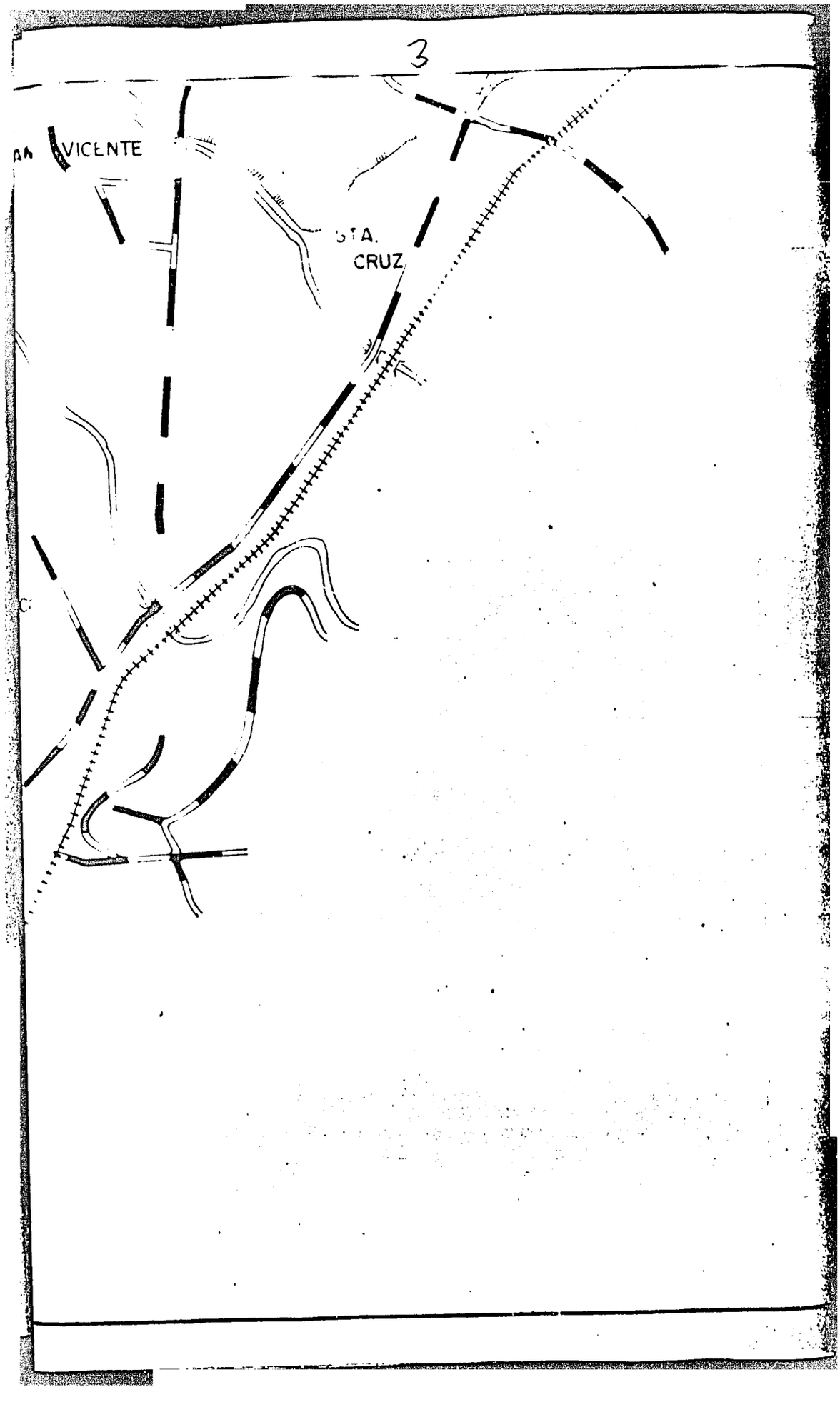
SAN VICENTE
LA PURISIMA
SAN FRANCISCO
STO DOMINGO
CITY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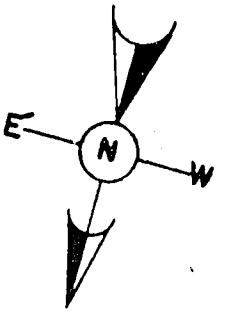
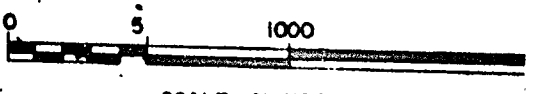
VICENTE
STA.
CRUZ





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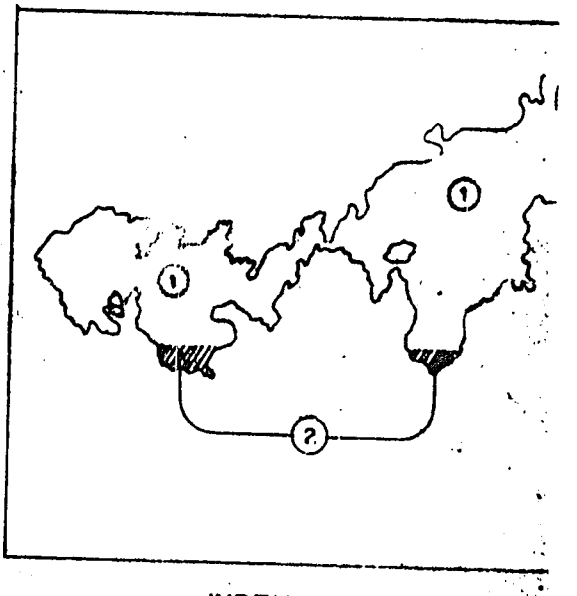


INDEX MAP

LEGEND:

STRUCTURES (Canal, Drainage & Road)

NEW CONSTRUCTION:

- Programmed
- On - going
- Completed
- Deleted

EXISTING STRUCT

- Not Proc
- Proc. for

MAIN CANALS & LATERALS

SERVICE AND ACCESS ROADS

2000

DRAINAGE

PROTECTION

EXISTING

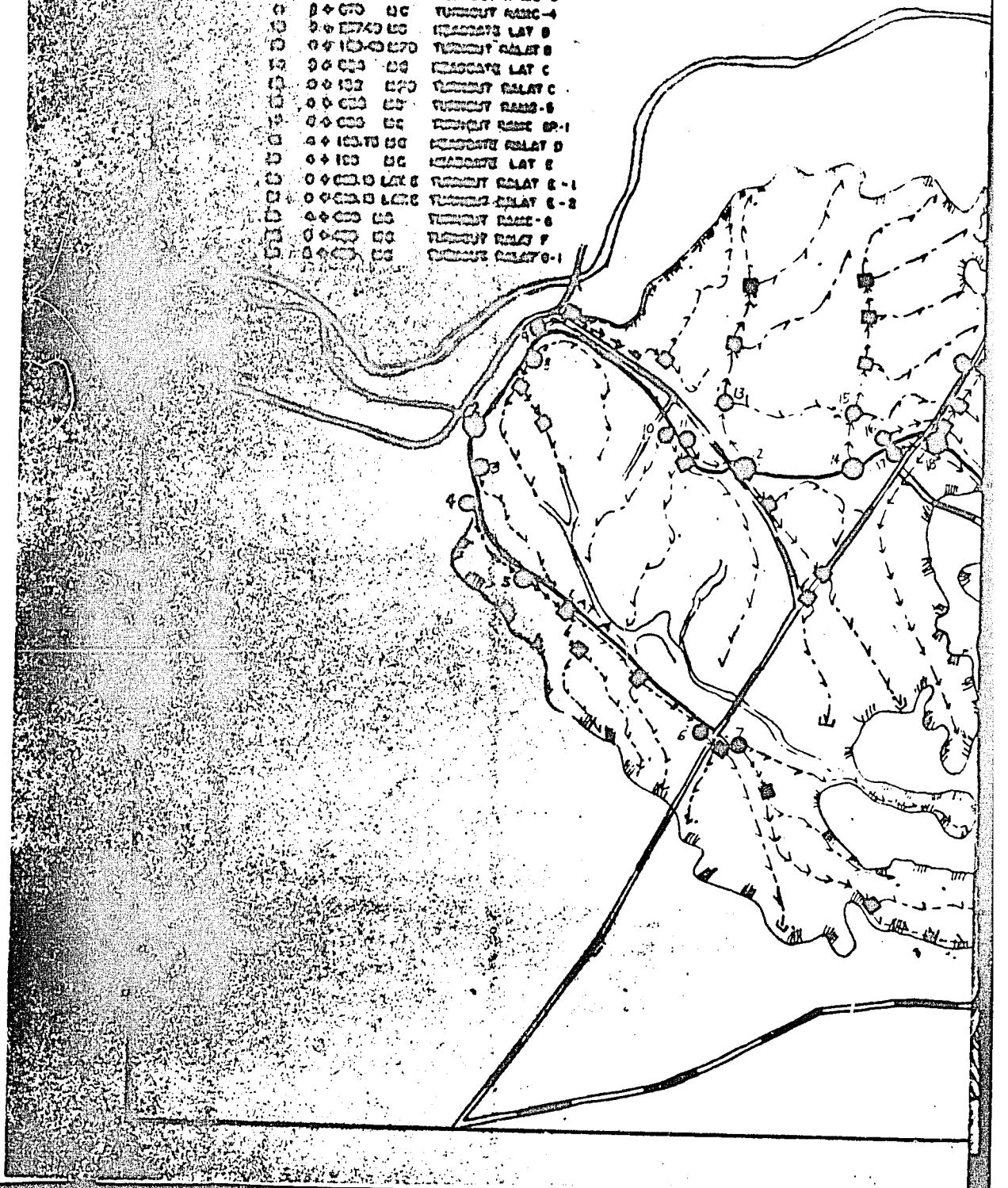
NATIONAL IRRIGATION

6

FARM LEVEL PROGRESS LAYOUT (ALONG MAIN C

NO	STATION	NAME of STRUCTURE
1	0 + [illegible] MC	ULRIS DIVERSION DAM
2	1 + [illegible] MC	HEAD GATE LAT A
3	0 + [illegible] LAT A	TURNOUT RALAT A SP-1
4	0 + [illegible] LAT A	TURNOUT RALAT A SP-2
5	0 + [illegible] LAT A	TURNOUT RALAT A-1
6	[illegible] LAT. A	TURNOUT RALAT A-3
7	1 + [illegible] LAT. A	TURNOUT RALAT A-2
8	1 + [illegible] MC	TURNOUT RAMC-1
9	[illegible] + [illegible] MC	TURNOUT RAMC-2
10	[illegible] + [illegible] MC	TURNOUT RAMC-3
11	[illegible] + [illegible] MC	TURNOUT RAMC-4
12	[illegible] MC	HEADGATE LAT B
13	[illegible]	TURNOUT RALAT B
14	[illegible] MC	HEADGATE LAT C
15	[illegible]	TURNOUT RALAT C
16	[illegible]	TURNOUT RAMC-5
17	[illegible] MC	TURNOUT RAMC SP-1
18	[illegible]	HEADGATE RALAT D
19	[illegible] MC	HEADGATE LAT E
20	[illegible] LAT E	TURNOUT RALAT E-1
21	[illegible] LAT E	TURNOUT RALAT E-2
22	[illegible]	TURNOUT RAMC-6
23	[illegible]	TURNOUT RALAT F
24	[illegible]	TURNOUT RALAT G-1

NO	STATION	
25	5 + 440.85	MC
26	[illegible] + [illegible]	LAT G
27	[illegible] + [illegible]	LAT G
28	5 + 487	MC
29	5 + 978.50	MC
30	6 + 243.50	MC
31	6 + 692	MC
32	6 + 964	MC
33	7 + 784.50	MC



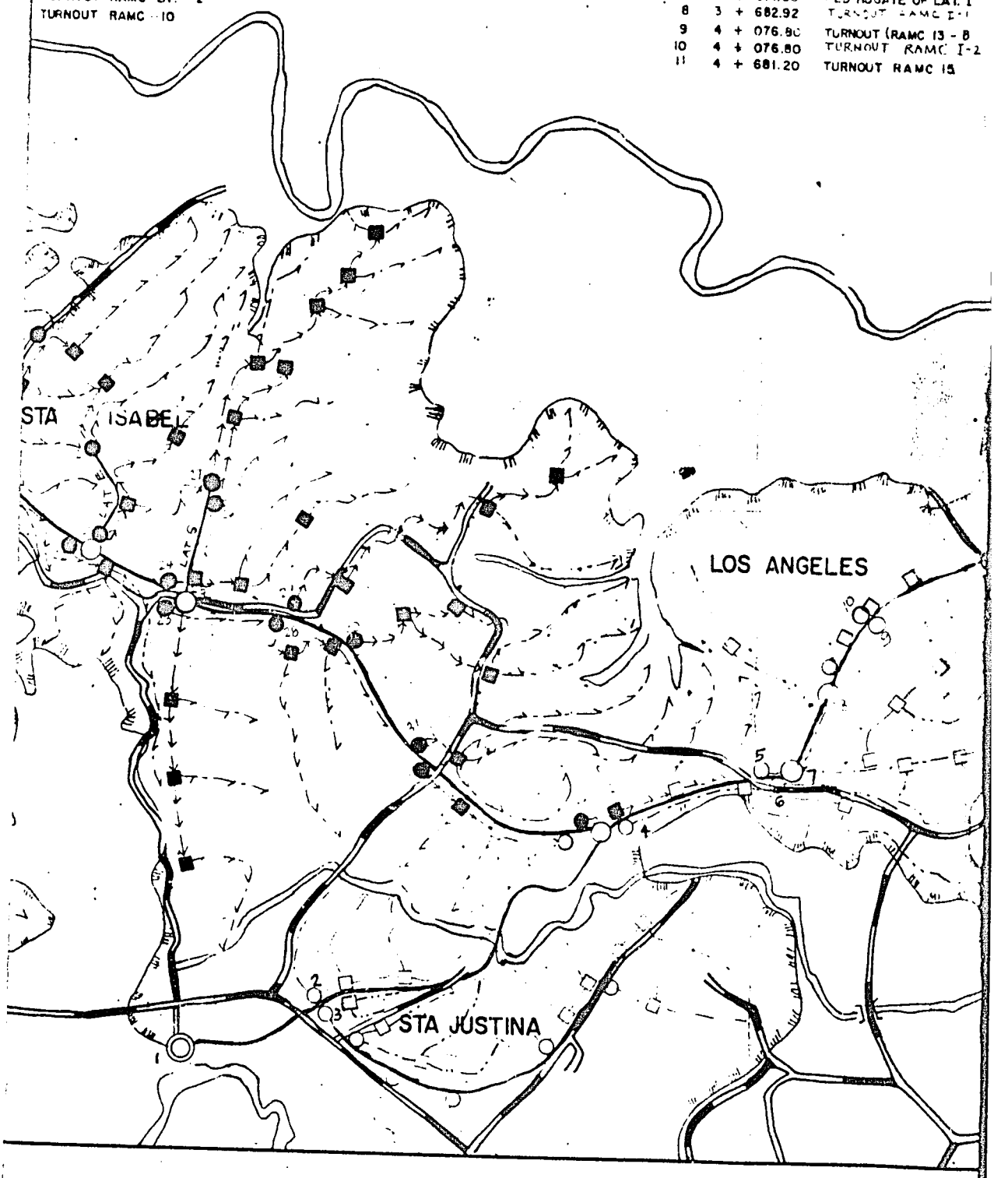
ANAL ULRIS)

NAME OF STRUCTURE

HEADGATE LAT F B C
TURNOUT RALAT G - 2
TURNOUT RALAT G - 3
TURNOUT RAMC 7
TURNOUT RAMC 8
TURNOUT RALAT H
TURNOUT RAMC 9
TURNOUT RAMC SP. - 2
TURNOUT RAMC - 10

FARM LEVEL P

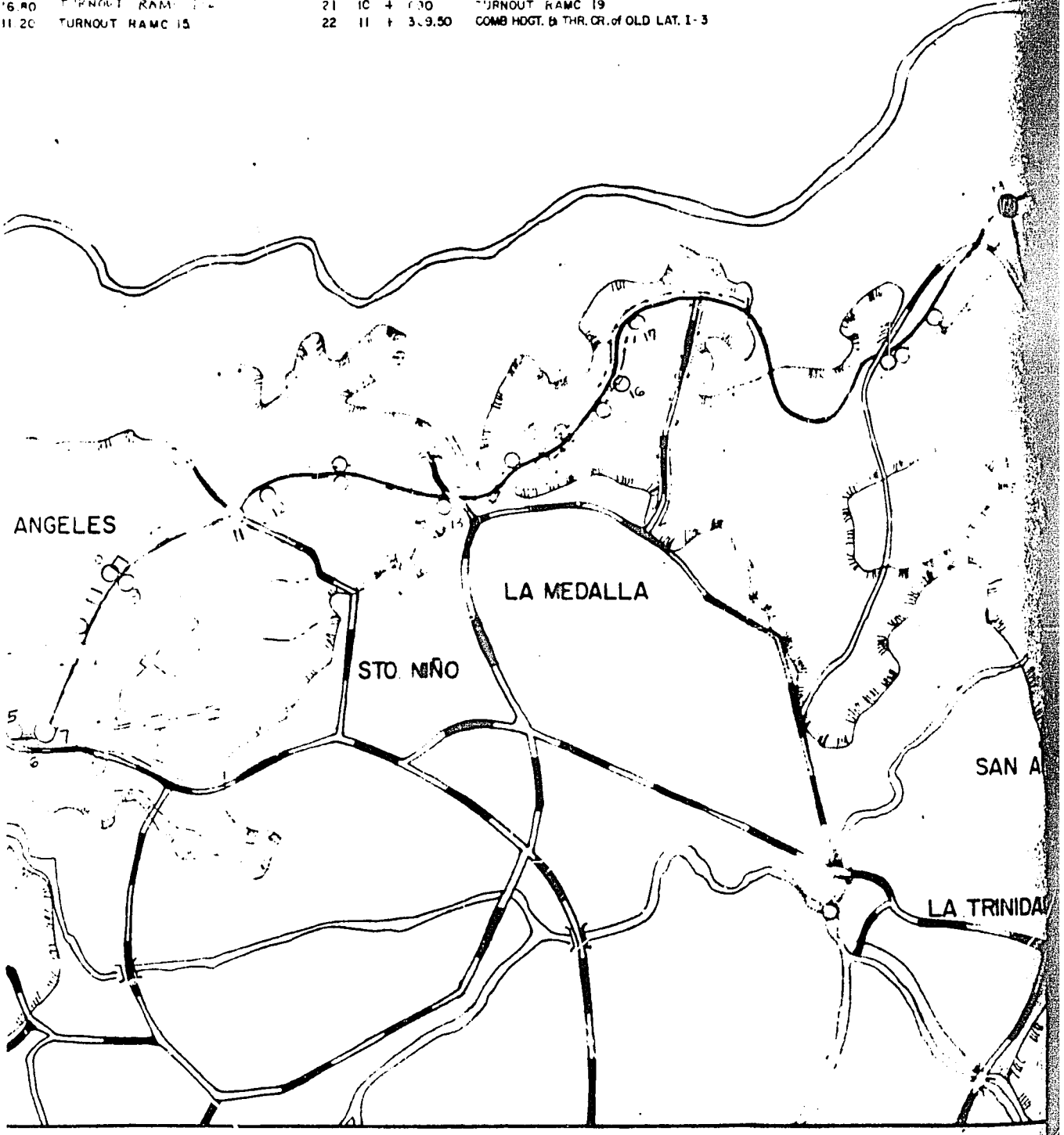
NO			
1	0	+ 000.00	INTAKE STRUCTURE
2	0	+ 694	TURNOUT RALCC SP-1
3	0	+ 694	HEADGATE LCC-A
4	2	+ 526	TURNOUT RAMC - 11
5	3	+ 137.90	TURNOUT RAMC - 12
6	3	+ 287.70	TURNOUT RAMC-13-A
7	3	+ 314.30	OLD HOGATE OF LAT. I
8	3	+ 682.92	TURNOUT RAMC I-1
9	4	+ 076.80	TURNOUT (RAMC 13 - B
10	4	+ 076.80	TURNOUT RAMC I-2
11	4	+ 681.20	TURNOUT RAMC 15

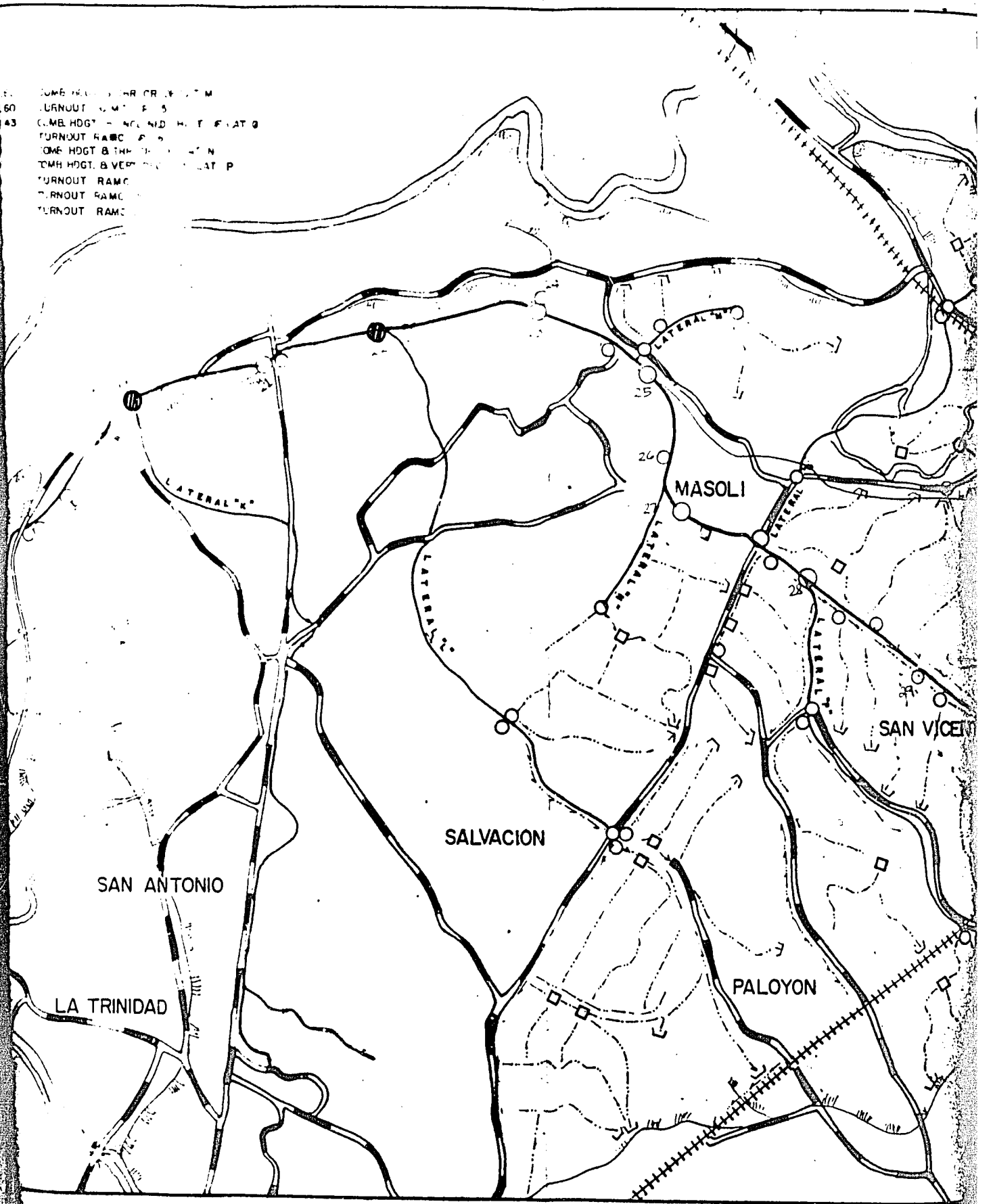


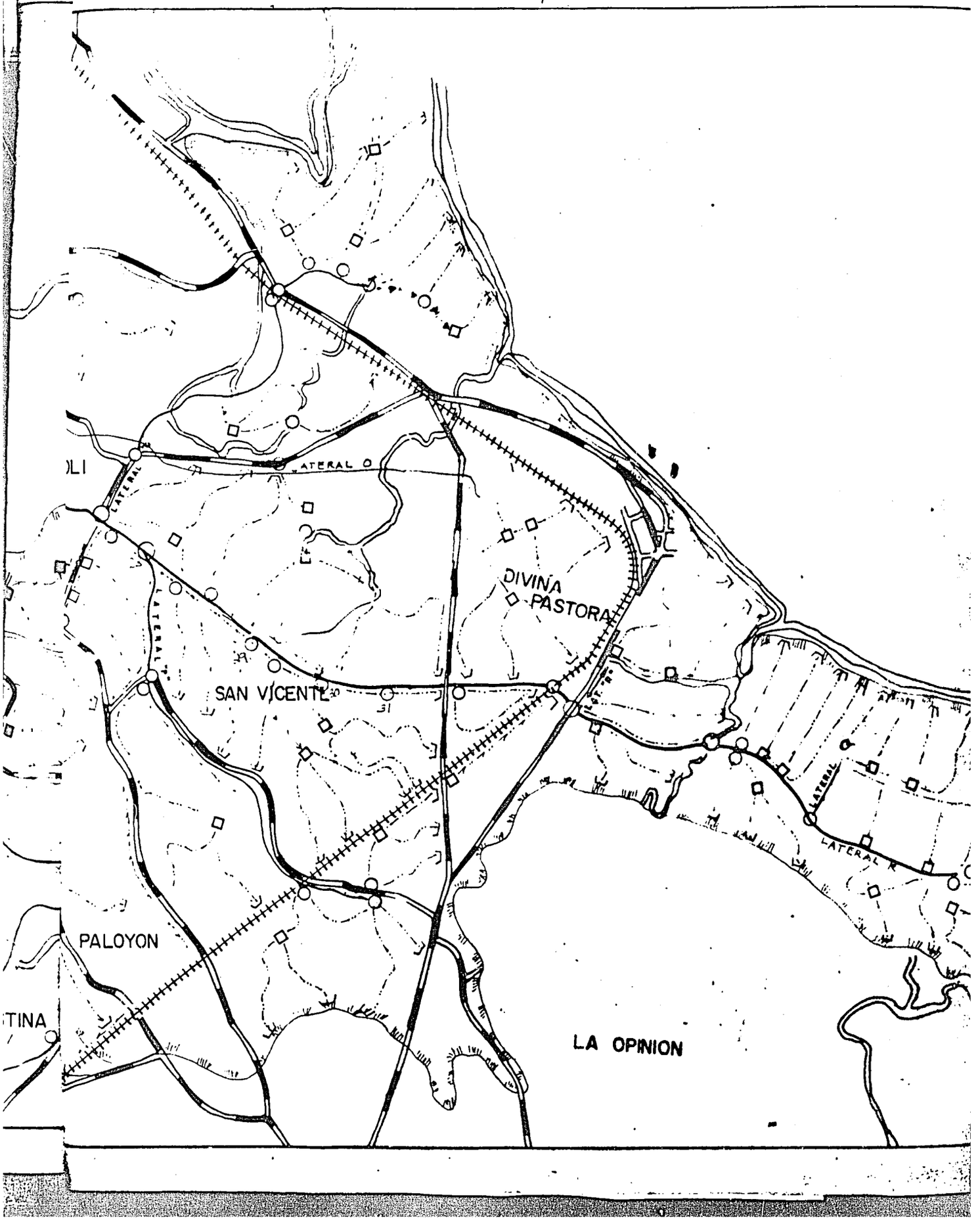
8

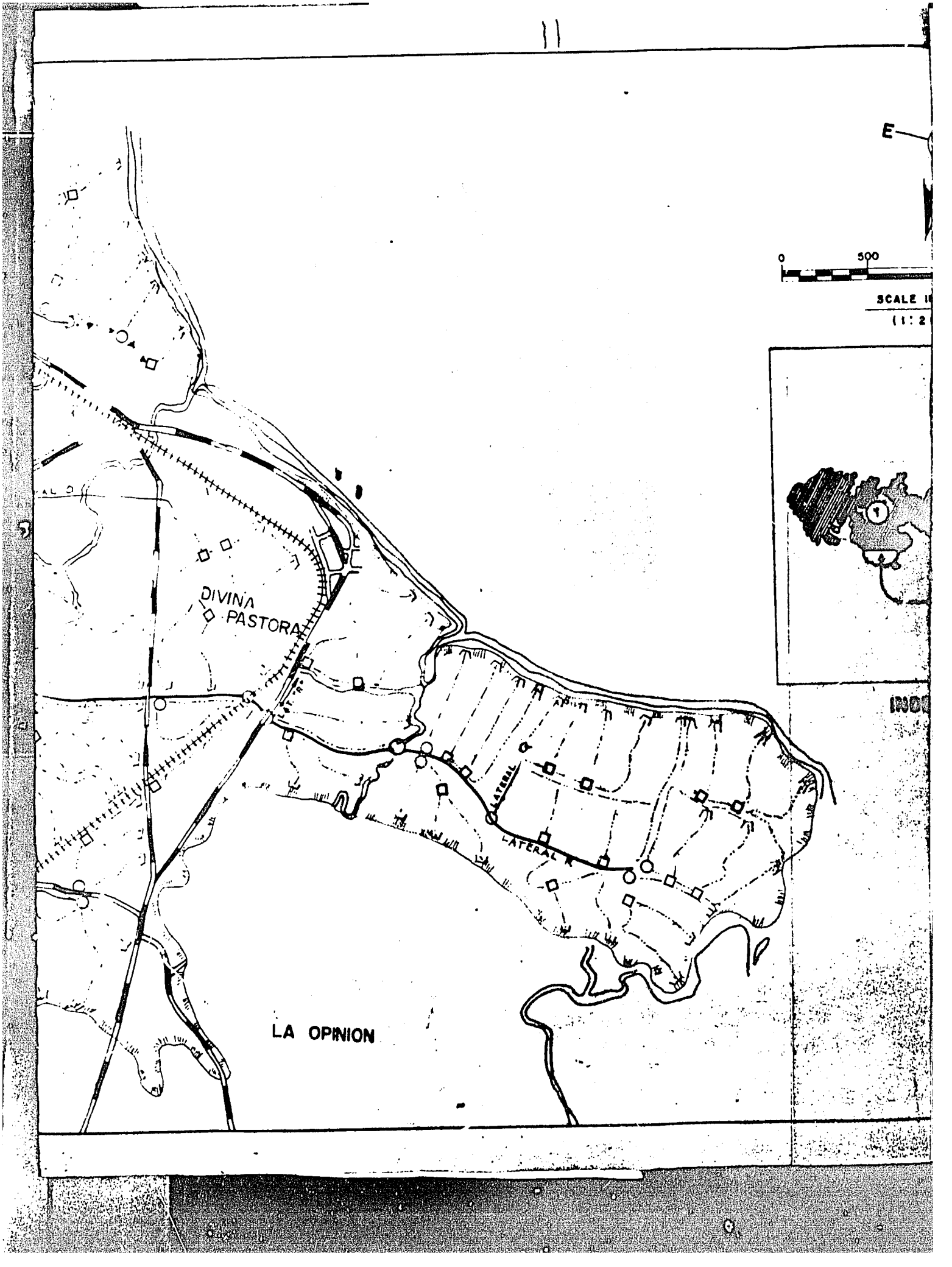
FARM LEVEL PROGRESS LAYOUT (ALONG MAIN CANAL - LLRIS)

[illegible]	INTAKE STRUCTURE	12	4	+ 820	TURNOUT RAMC 14	23	1	+ [illegible]	COMB HDGT & THR. CR. [illegible]
94	TURNOUT RALCC SP-1	13	5	+ 697.75	TURNOUT RAMC 15 A	24	12	+ 076.60	TURNOUT RAMC SP-5
94	HEADGATE LCC-A	14	6	+ 198	TURNOUT RAMC 16-A	25	12	+ [illegible]93.43	COMB. HDGT - INCLINED
16	TURNOUT RAMC-11	15	6	+ 198	TURNOUT RAMC 17 A	26	13	+ 274	TURNOUT RAMC SP-6
[illegible]	TURNOUT RAMC-12	16	6	+ 700	TURNOUT RAMC 17	27	13	+ 520	COMB HDGT & THR. CR. [illegible]
7.70	TURNOUT RAMC-13-A	17	7	+ 018	TURNOUT RAMC 16 B	28	14	+ 32[illegible]	COMB HDGT. & VERT DROP
4.5[illegible]	OLD HDGATE OF LAT. I	18	9	+ 425.40	TURNOUT RAMC 18-A	29	15	+ 030	TURNOUT RAMC [illegible]
12.92	TURNOUT RAMC [illegible]	19	[illegible]	+ [illegible]72	COMB HDGT & THR CR. of OLD LAT I-2	30	15	+ 456	TURNOUT RAMC 20
16.8[illegible]	TURNOUT (RAMC 13-B	20	10	+ 169	TURNOUT RAMC 18	31	15	+ 800	TURNOUT RAMC 21
16.80	TURNOUT RAMC [illegible]	21	10	+ [illegible]30	TURNOUT RAMC 19				
11.20	TURNOUT RAMC 15	22	11	+ 3[illegible]9.50	COMB HDGT. & THR. CR. of OLD LAT. I-3				

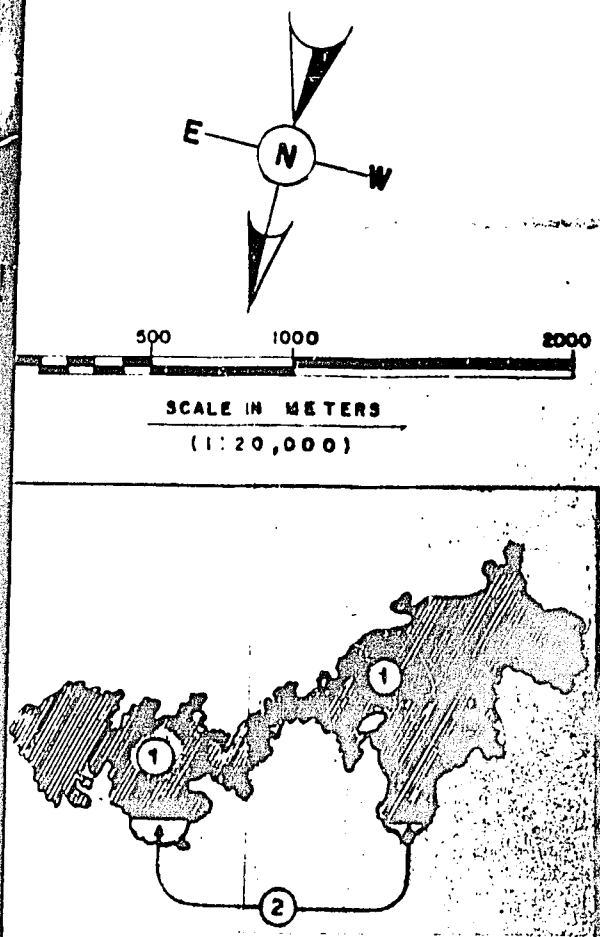



60
43
TURNOUT RAMC
TURNOUT RAMC
TURNOUT RAMC
LATERAL "K"
LATERAL "L"
LATERAL "M"
LATERAL "N"
LATERAL "P"
LATERAL
25
26
27
28
MASOLI
SAN VICEN
SALVACION
SAN ANTONIO
LA TRINIDAD
PALOYON


LATERAL O
LATERAL
LATERAL
DIVINA
PASTORA
SAN VICENTE
LATERAL Q
LATERAL R
PALOYON
LA OPINION


E
0
500
SCALE
DIVINA
PASTORA
LATERAL
LATERAL
LA OPINION

12



INDEX MAP

LEGEND

CANAL NETWORK

CONTROL STRUCTURES

TURNOUTS

CORN

RUR

LANL

LNL No. 2

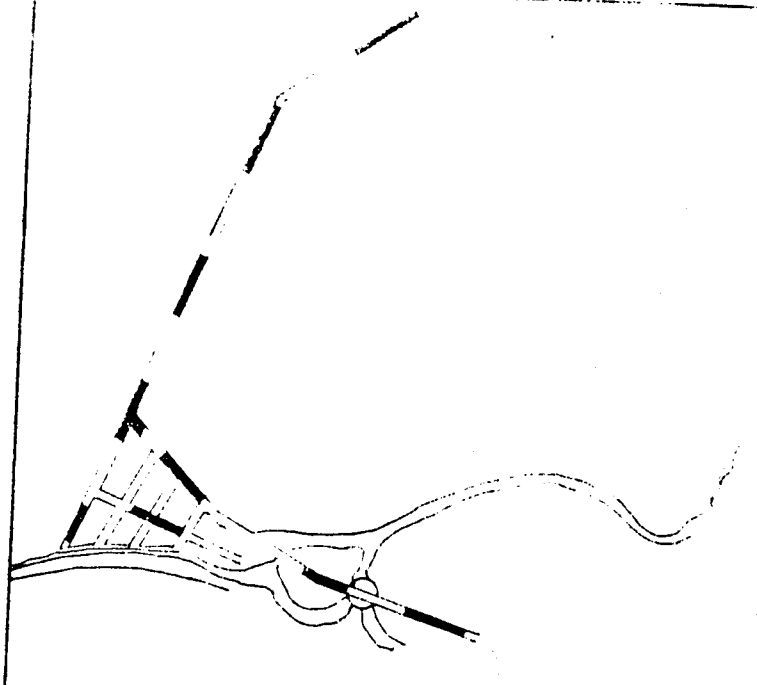
RINCONADA/BUHI

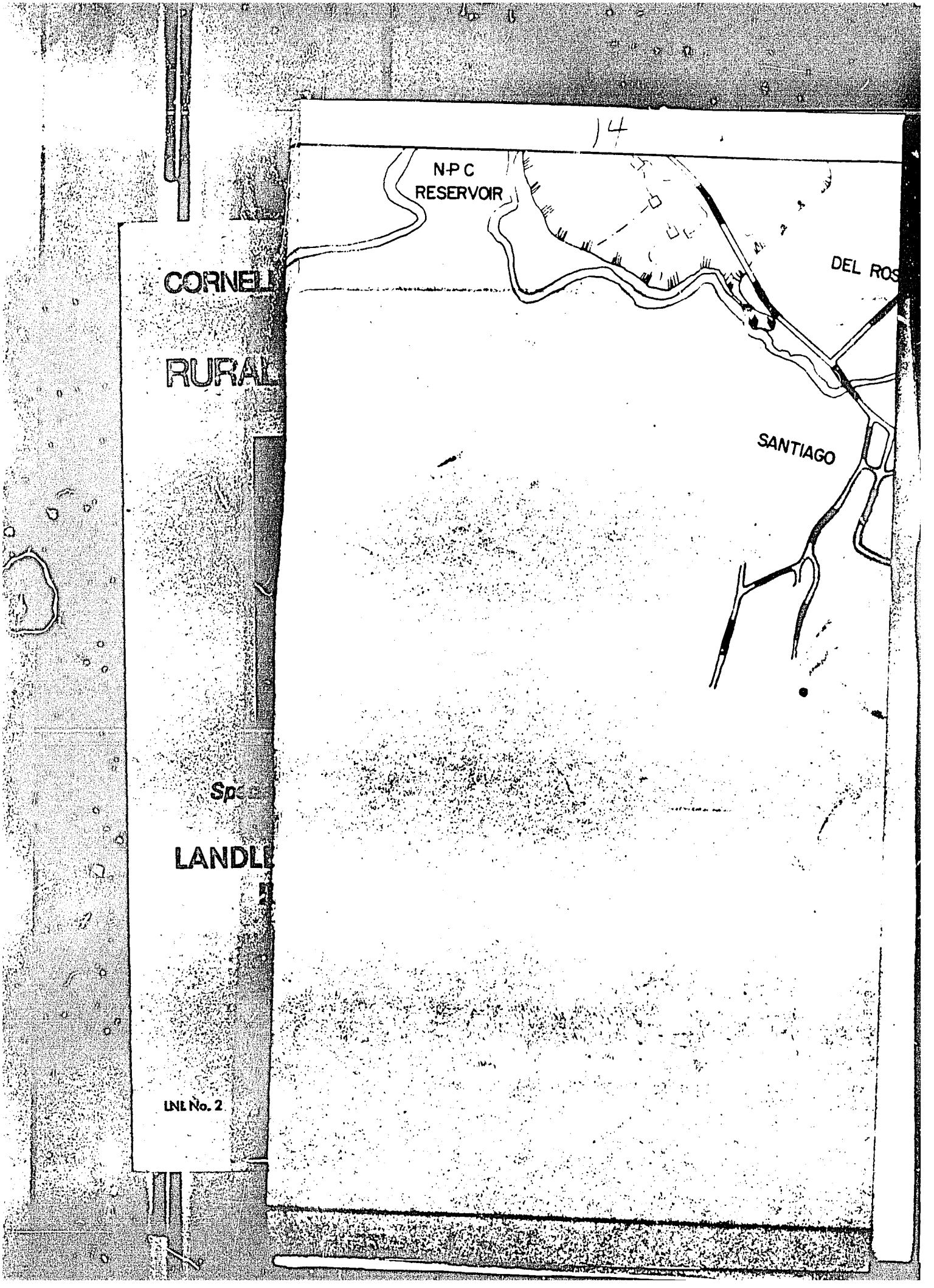
13

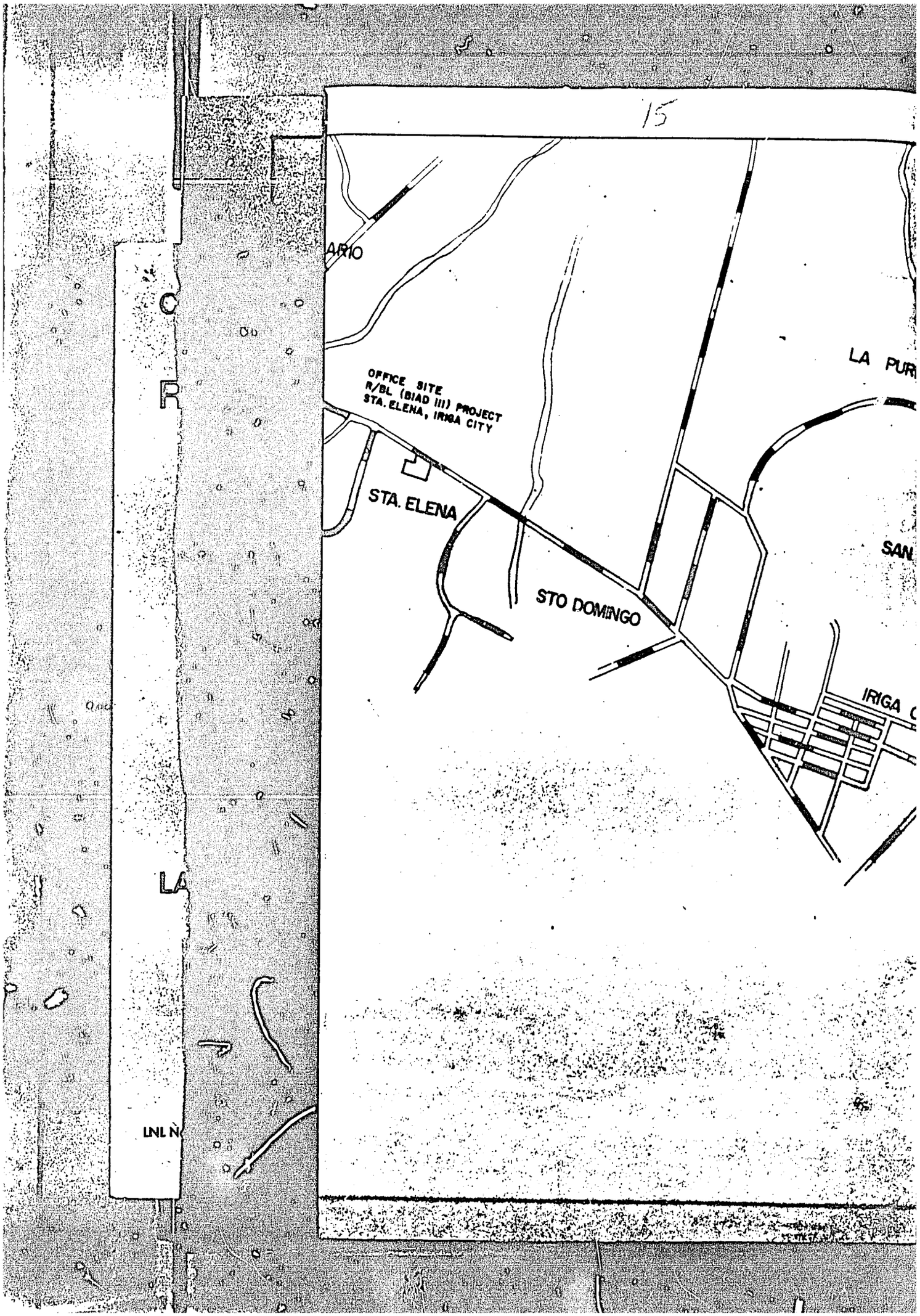
CO

RL

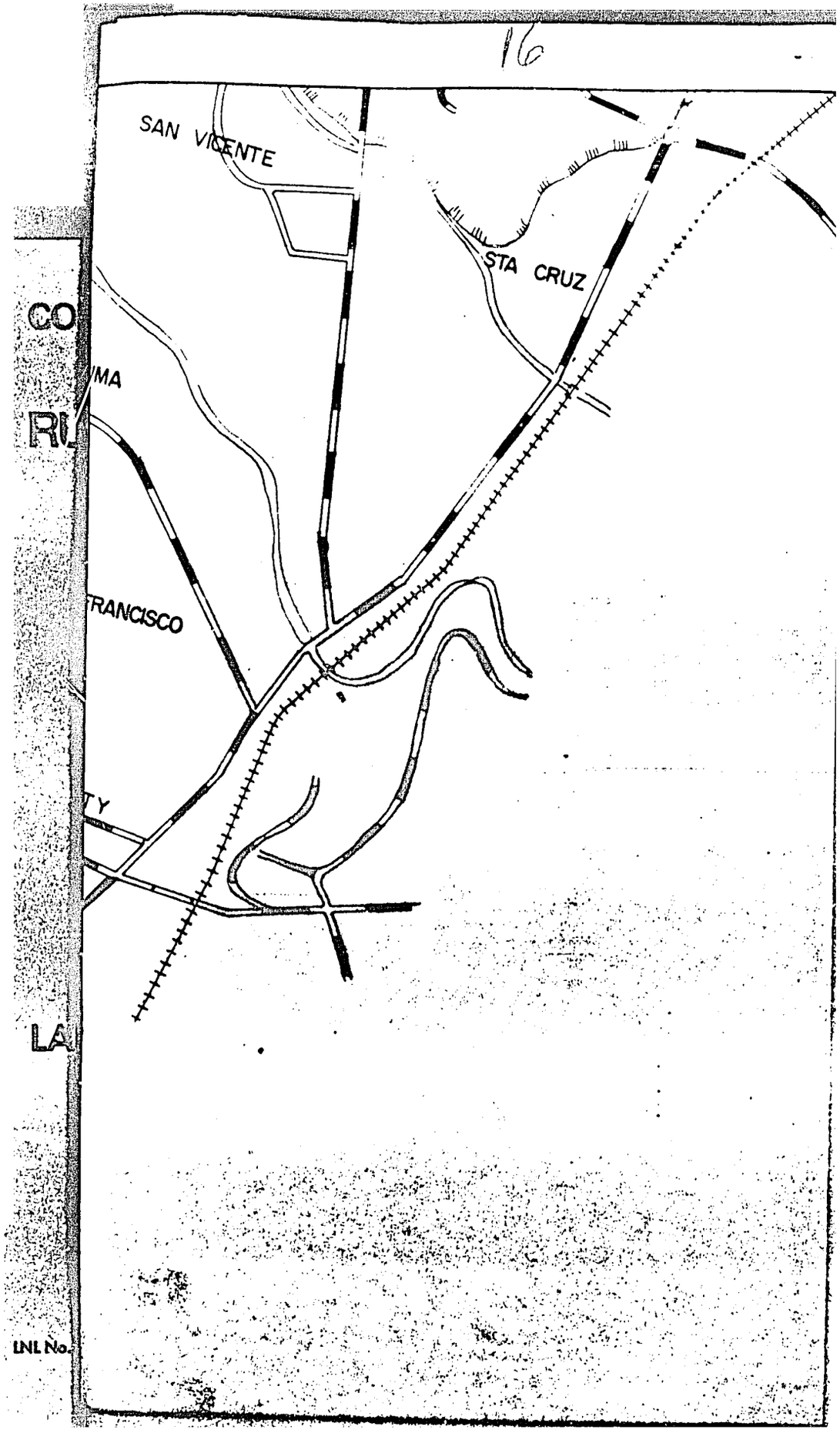
LAI

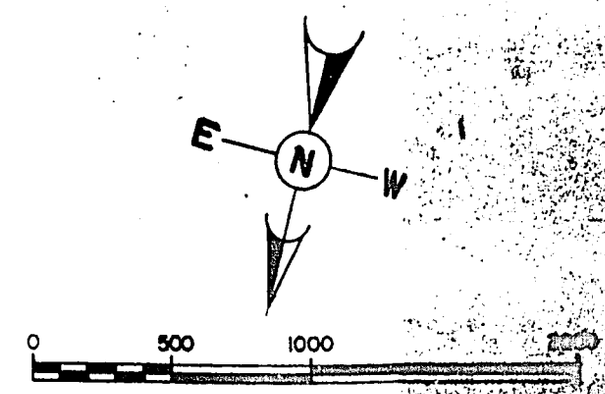



14
N-P C
RESERVOIR
DEL ROS
SANTIAGO
CORNEL
RURAL
Spe
LANDL
LNL No. 2

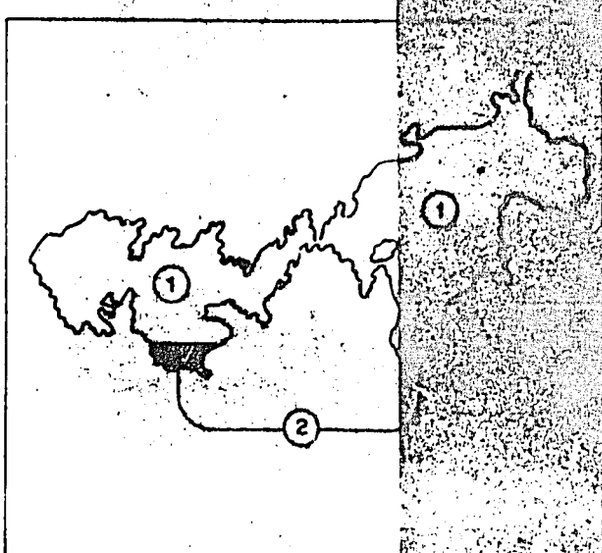

15
ARIO
OFFICE SITE
R/BL (BIAD III) PROJECT
STA. ELENA, IRIGA CITY
STA. ELENA
STO DOMINGO
LA PUR
SAN
IRIGA C
LA
LNL N

16

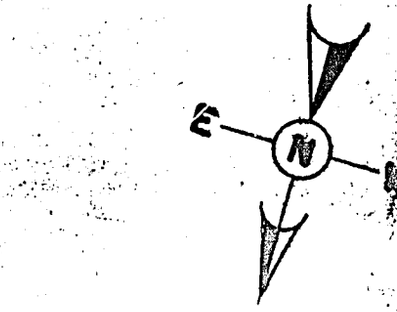




SCALE IN METERS
(1: 20,000)



INDEX MAP



0 500 1000

SCALE IN METERS
(1: 20,000)

INDEX MAP

20

LEGEND:

CANAL NETWORK:

CONTROL

2000

1

CO

RU

LAN

LNL No.