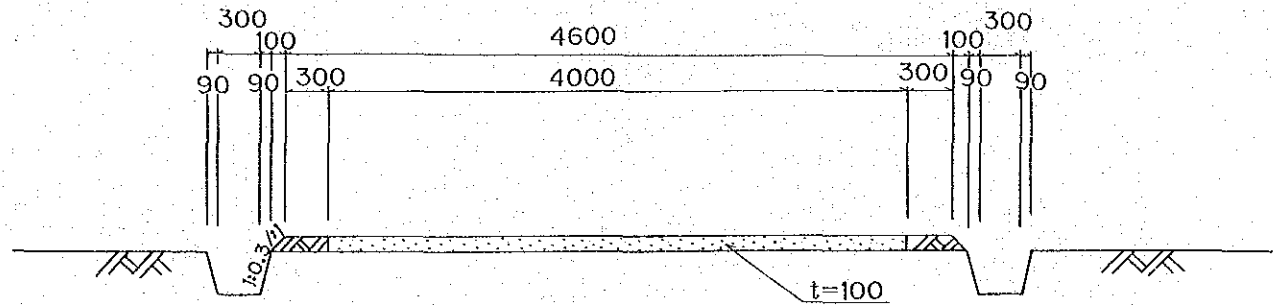
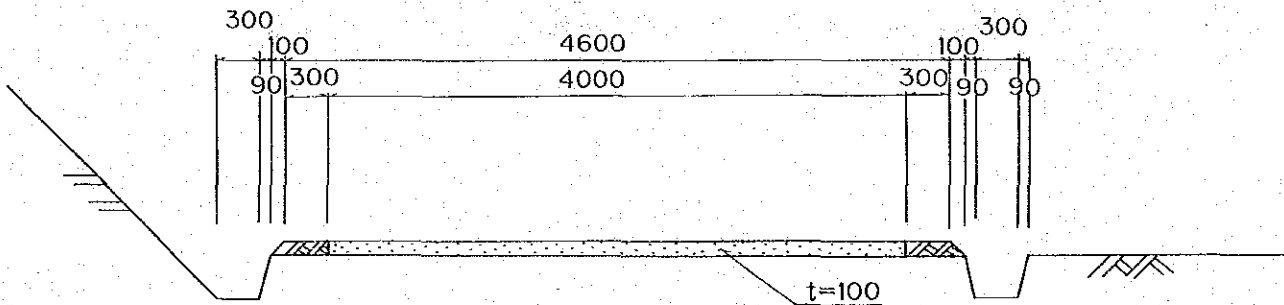


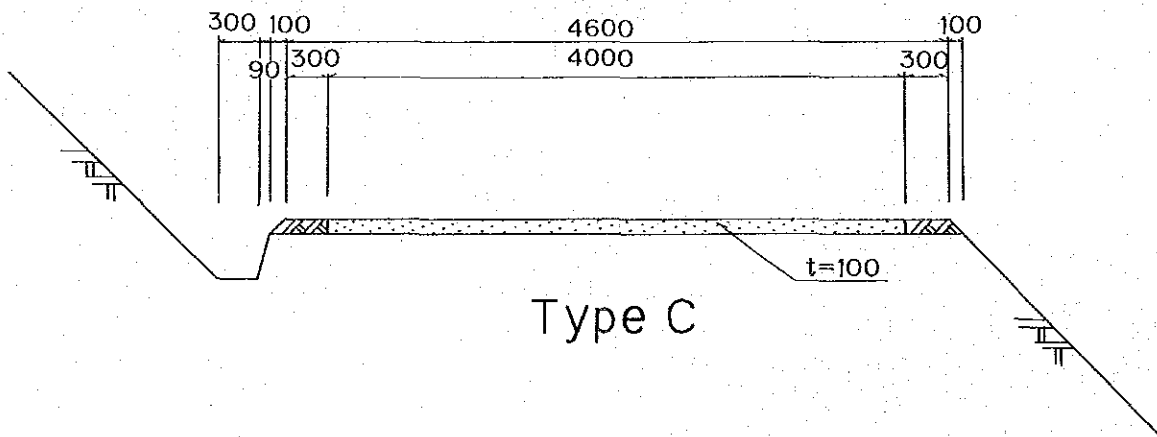
Main Farm Road



Type A

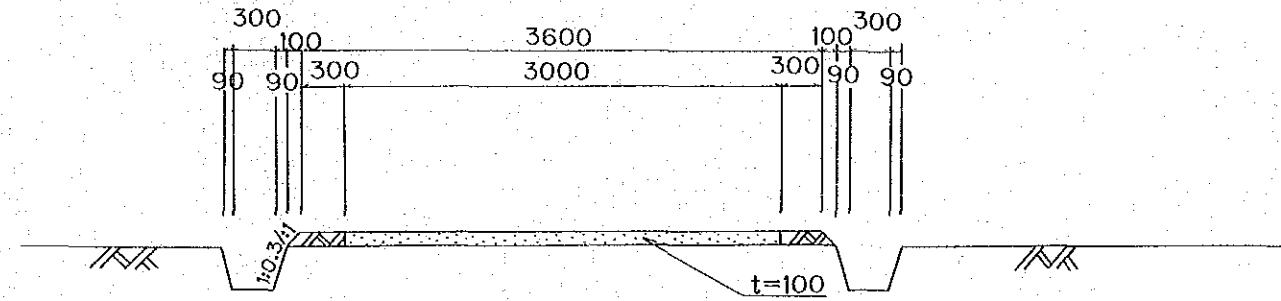


Type B

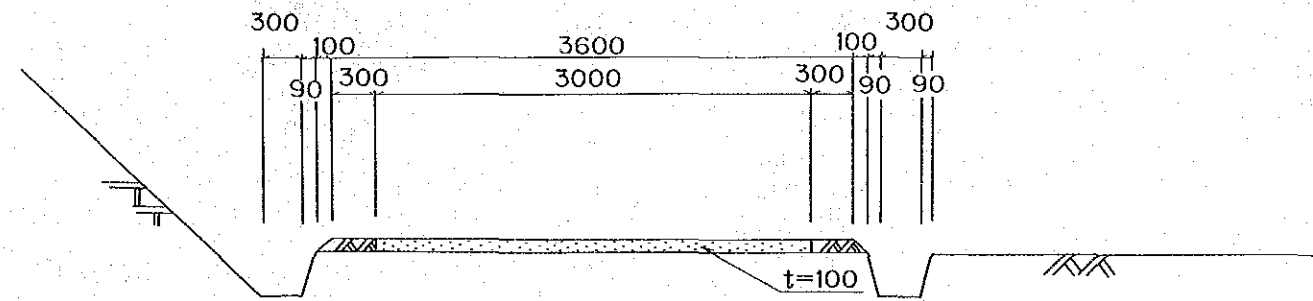


Type C

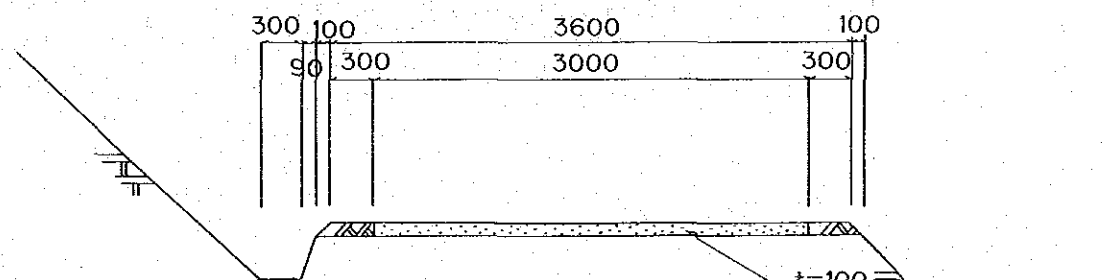
Branch Farm Road



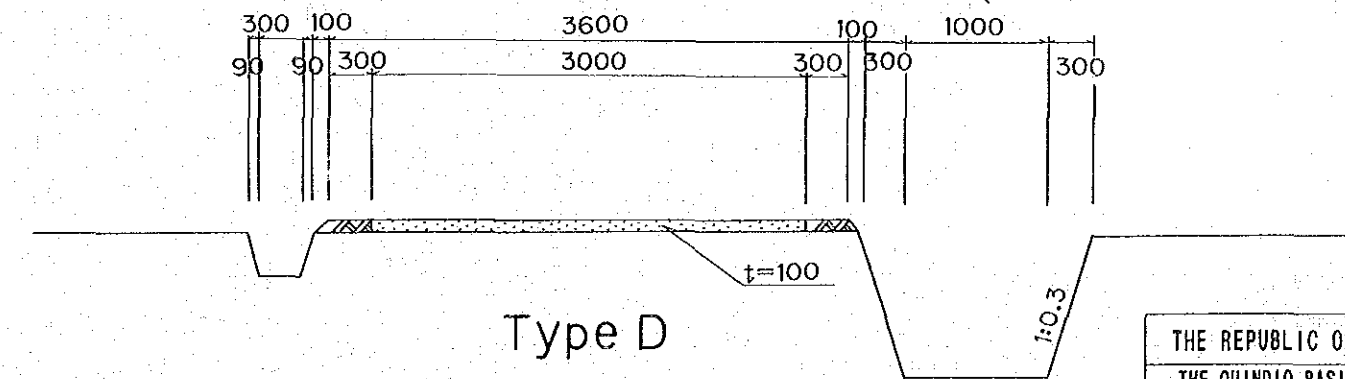
Type A



Type B

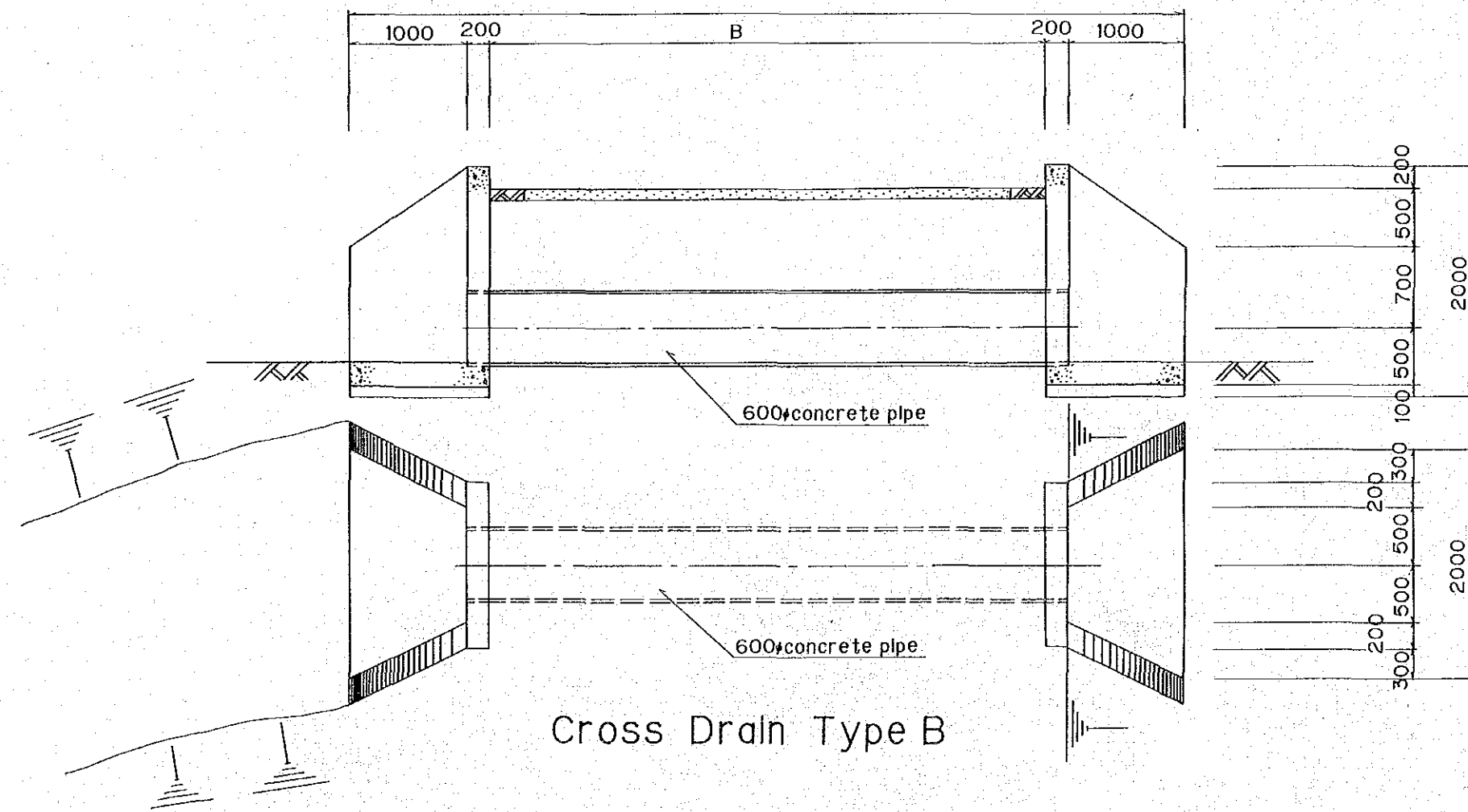
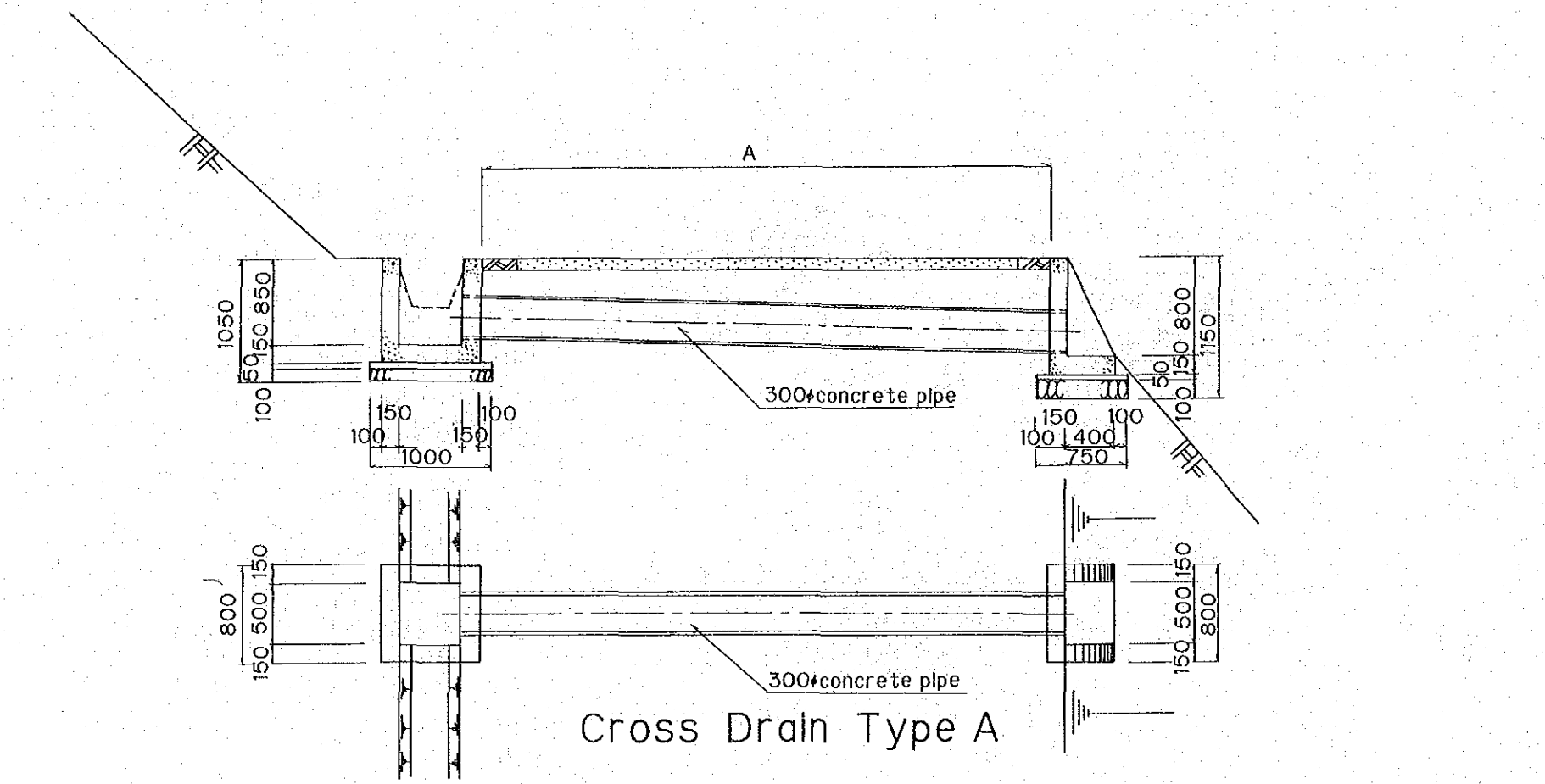


Type C

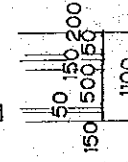
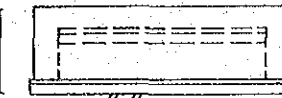
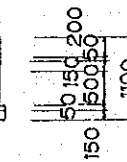
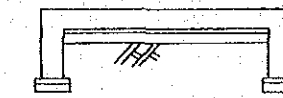
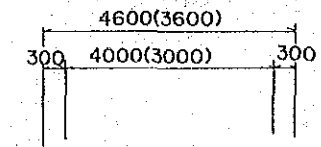
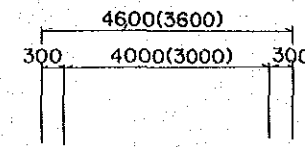
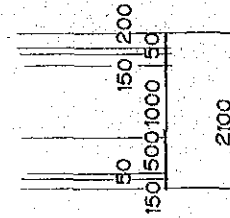
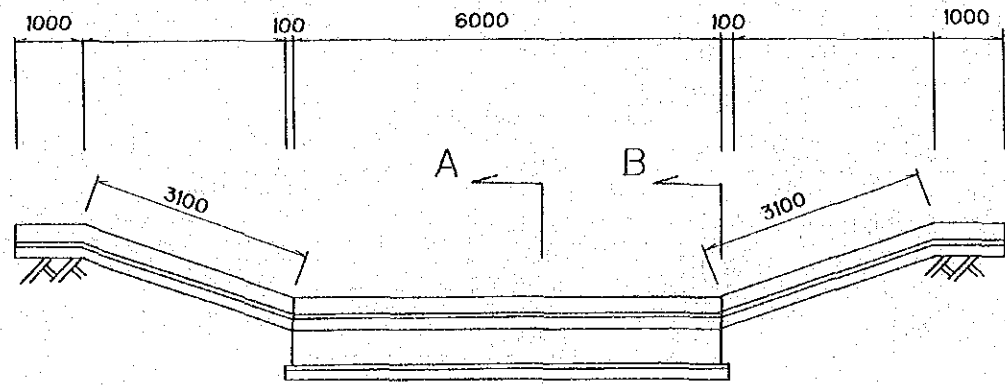


Type D

THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
STANDARD SECTION OF FARM ROAD	
DATE: MARCH, 1991	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

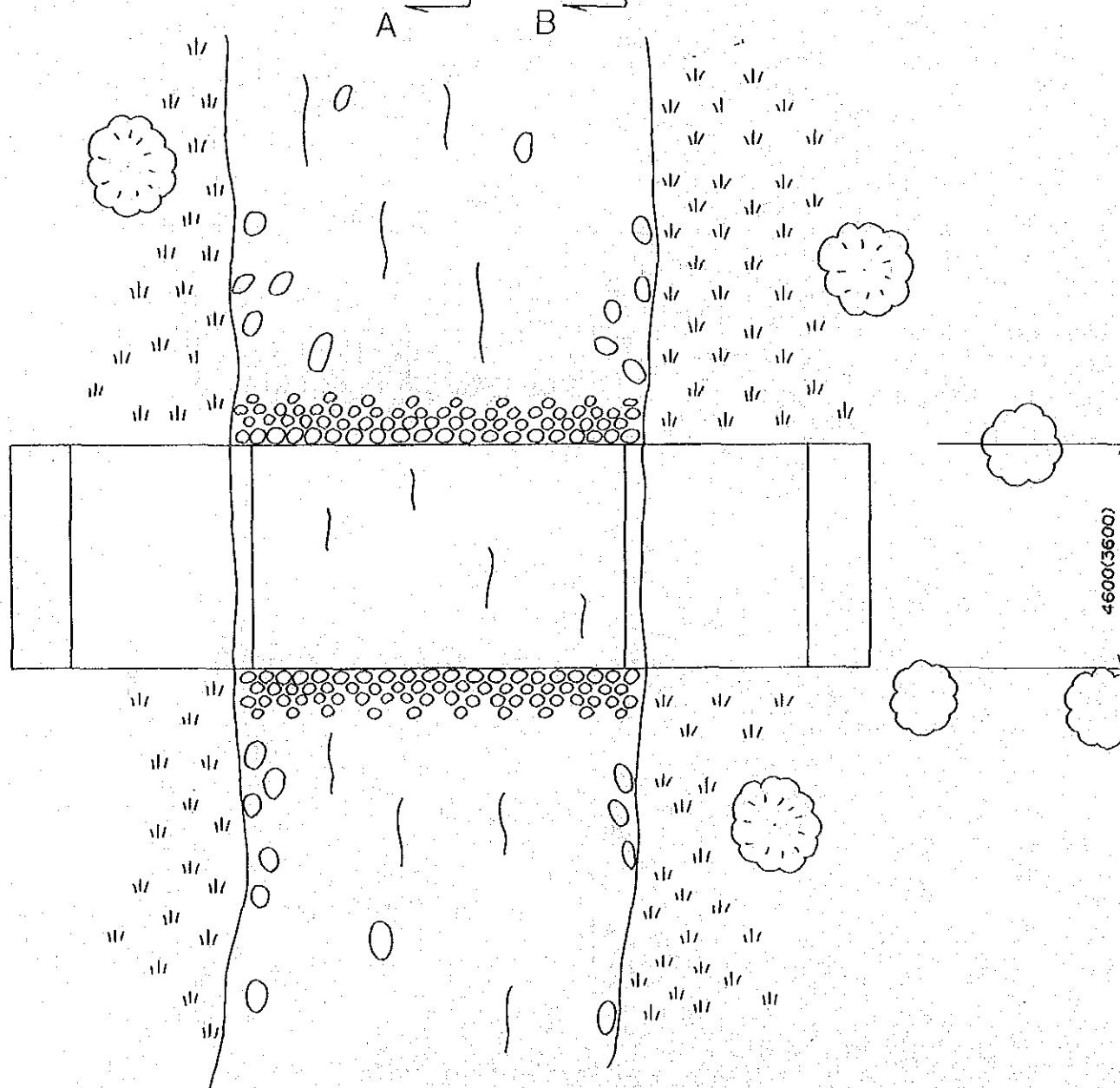


THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
STANDARD SECTION OF CROSS DRAIN	
DATE: MARCH, 1991	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



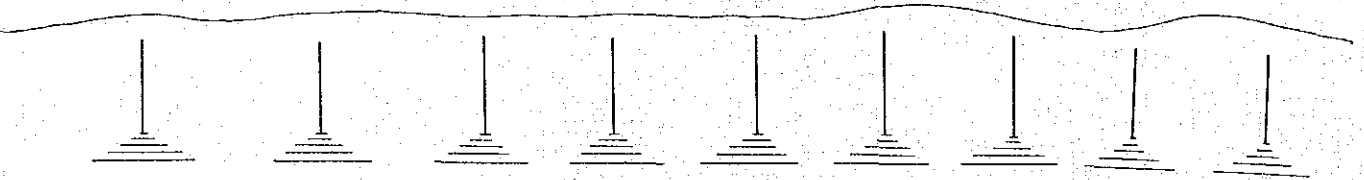
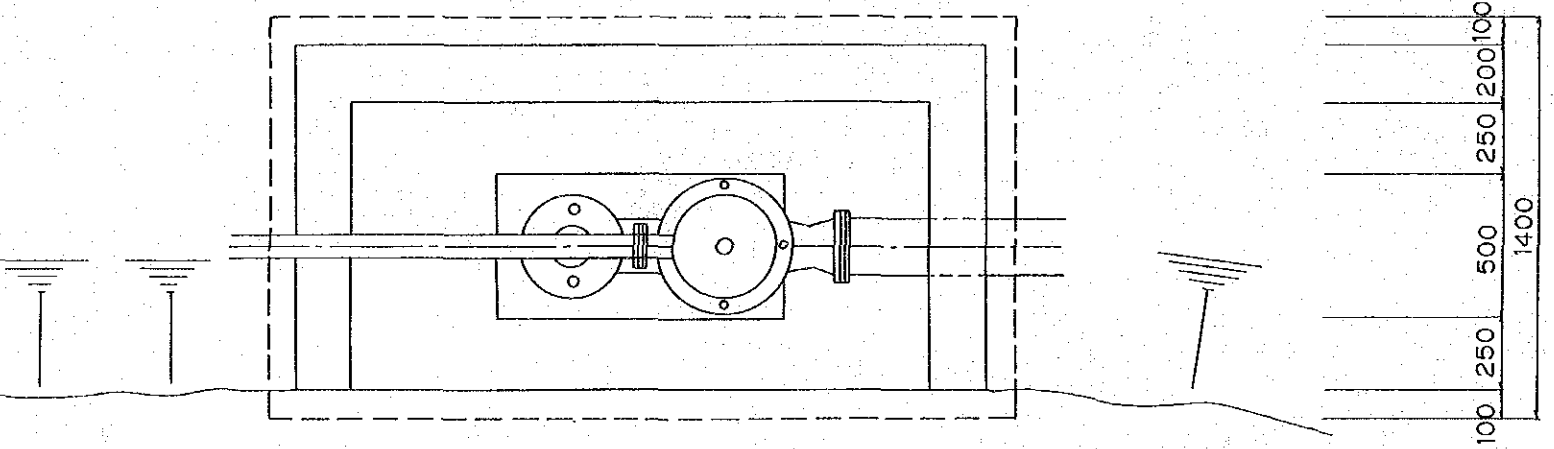
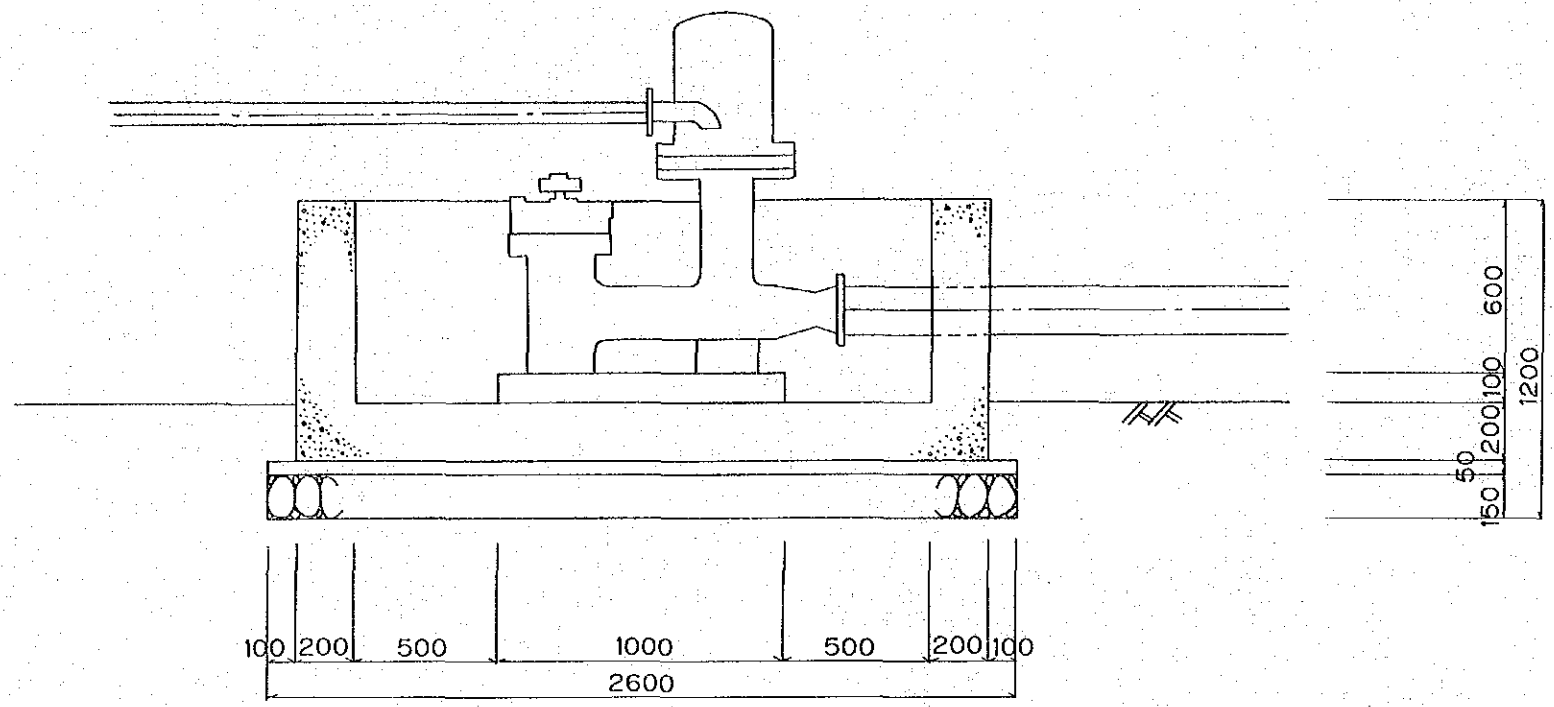
A-A

B-B

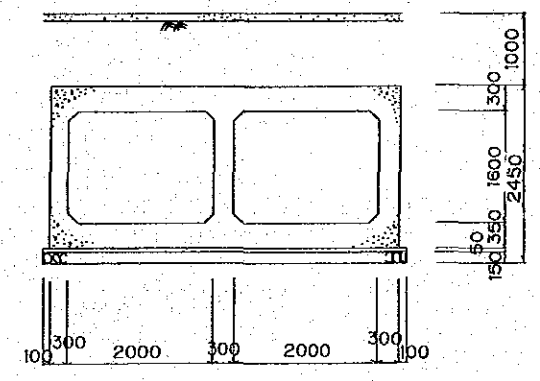
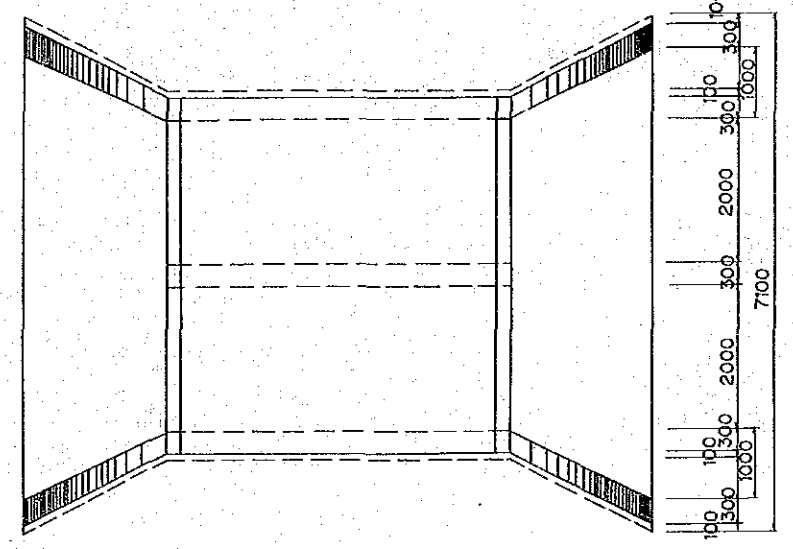
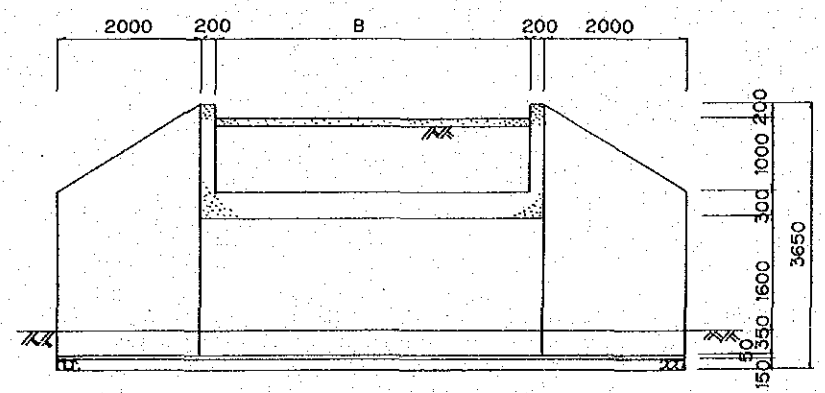


Submargible Bridge

THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
SUBMARGIBLE BRIDGE	
DATE: MARCH, 1991	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

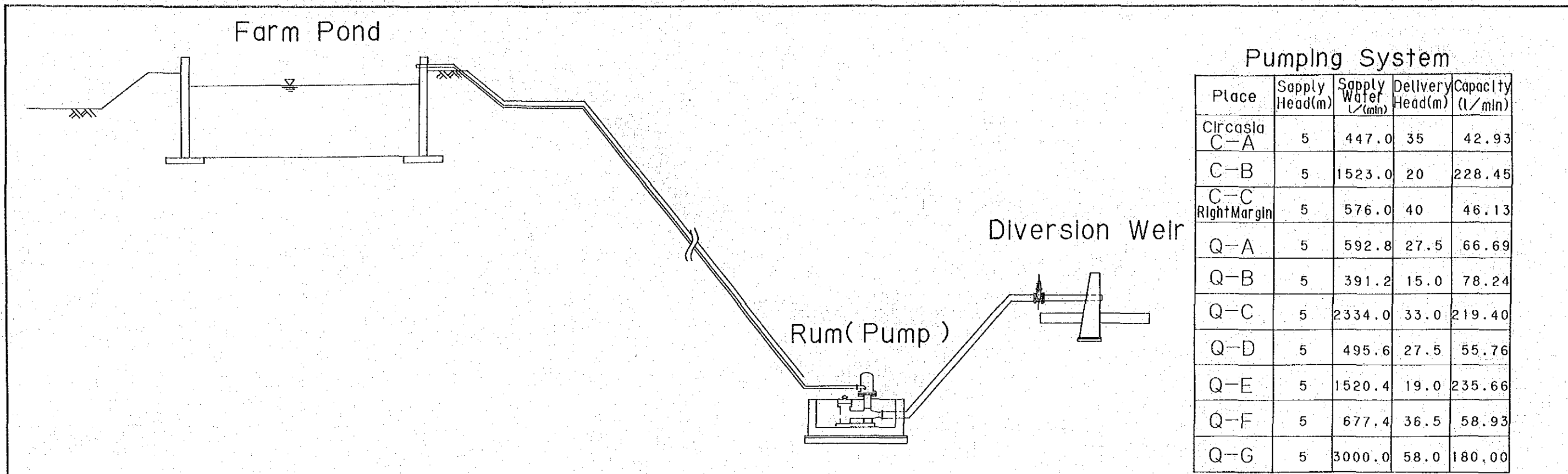


Rum ( Pump )



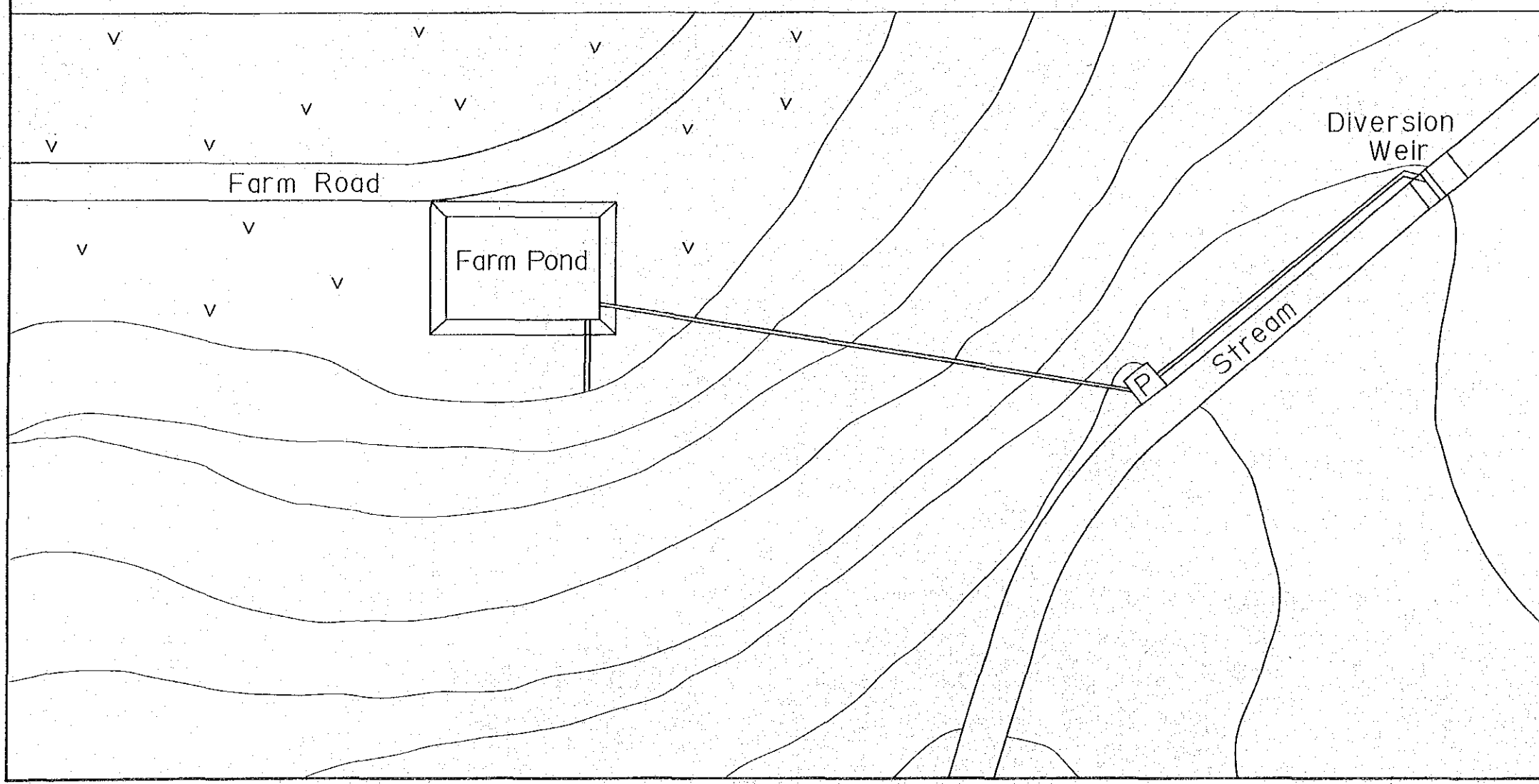
Bridge  
( Box Culvert )

THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
PUMP STATION - 1	
DATE: MARCH, 1991	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



### Pumping System

Place	Supply Head(m)	Supply Water (l/min)	Delivery Head(m)	Capacity (l/min)
Circasia C-A	5	447.0	35	42.93
C-B	5	1523.0	20	228.45
C-C Right Margin	5	576.0	40	46.13
Q-A	5	592.8	27.5	66.69
Q-B	5	391.2	15.0	78.24
Q-C	5	2334.0	33.0	219.40
Q-D	5	495.6	27.5	55.76
Q-E	5	1520.4	19.0	235.66
Q-F	5	677.4	36.5	58.93
Q-G	5	3000.0	58.0	180.00



### Farm Pond

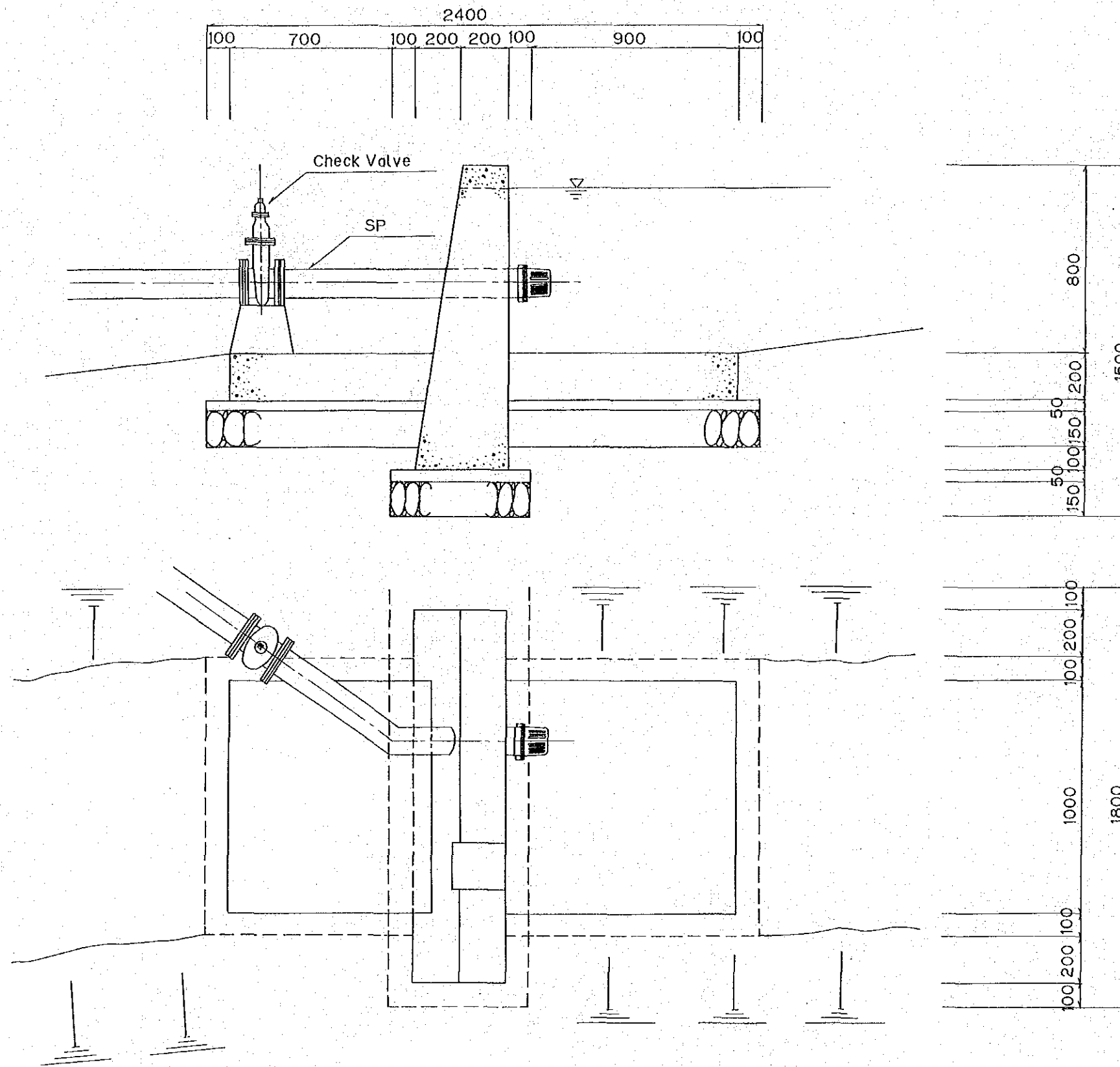
Place	Capacity (m <sup>3</sup> )	Size (m)
Circasia C-A	417.33	12.0x17.5x2.5
C-B	713.77	16.0x23.0x2.5
C-C Right Margin	371.63	11.0x17.0x2.5
Q-A	404.68	12.0x17.0x2.5
Q-B	354.46	10.0x18.0x2.5
Q-C	498.31	13.0x19.5x2.5
Q-D	278.32	10.0x14.0x2.5
Q-E	665.82	15.0x22.5x2.5
Q-F	232.63	9.0x13.0x2.5
Q-G	343.00	10.0x18.0x2.5

THE REPUBLIC OF COLOMBIA  
 THE QUINDIO BASIN INTEGRATED  
 AGRICULTURAL DEVELOPMENT PROJECT

PUMP STATION - 2

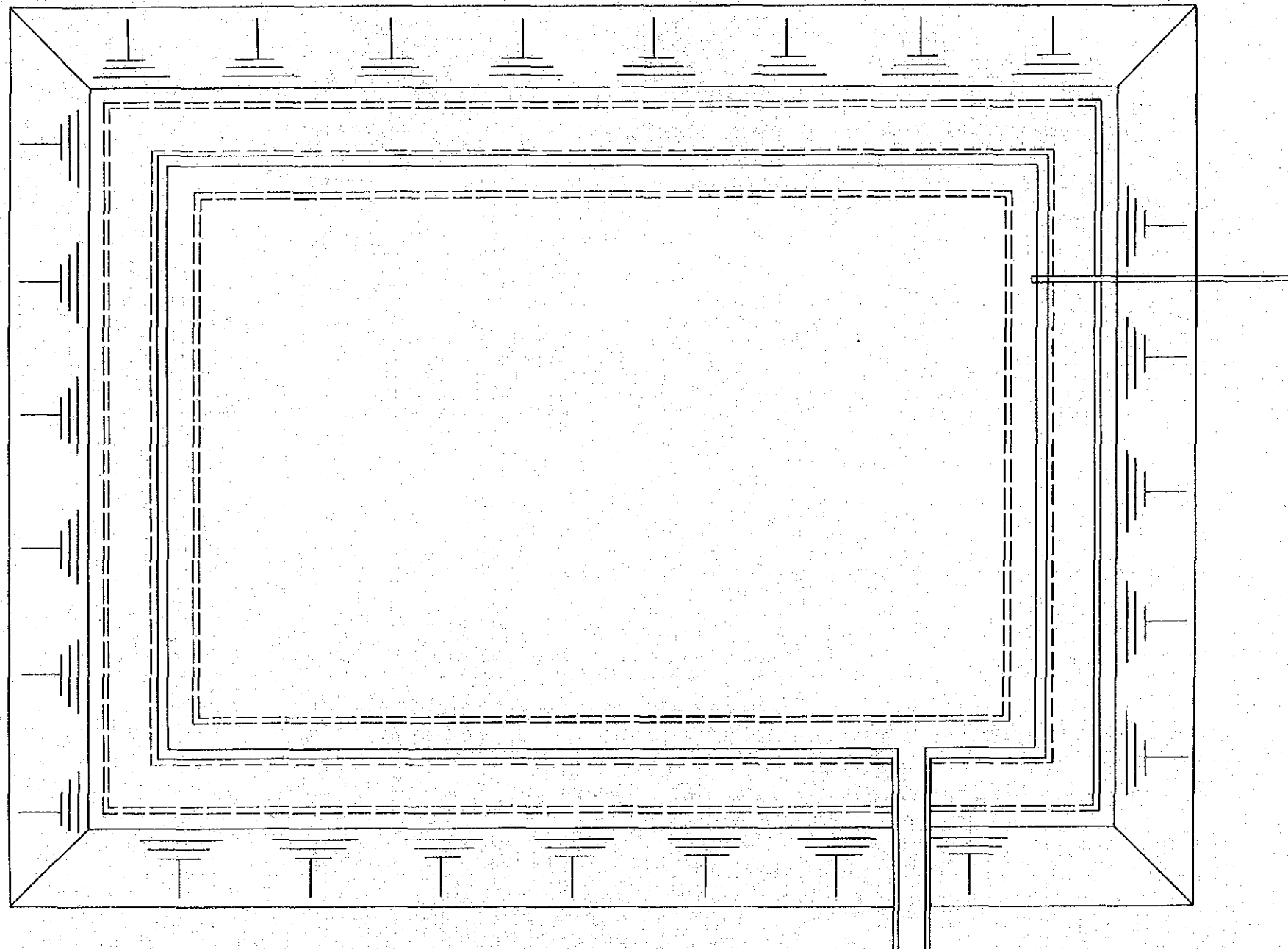
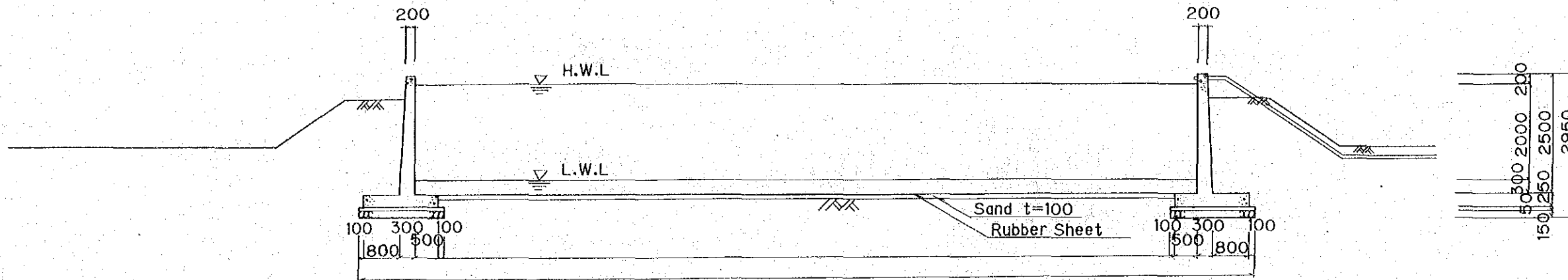
DATE: MARCH, 1991      DRW. NO. :

JAPAN INTERNATIONAL  
 COOPERATION AGENCY (JICA)



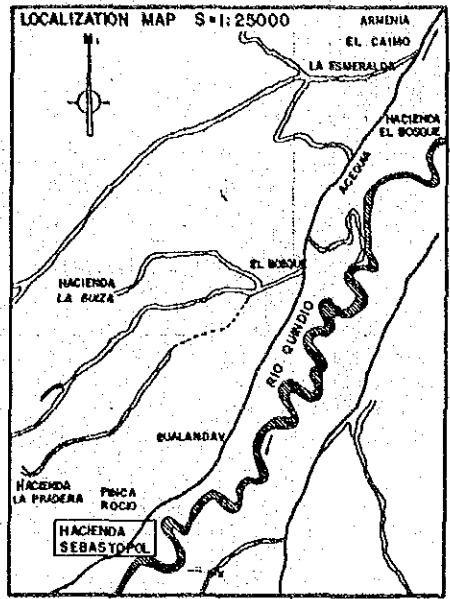
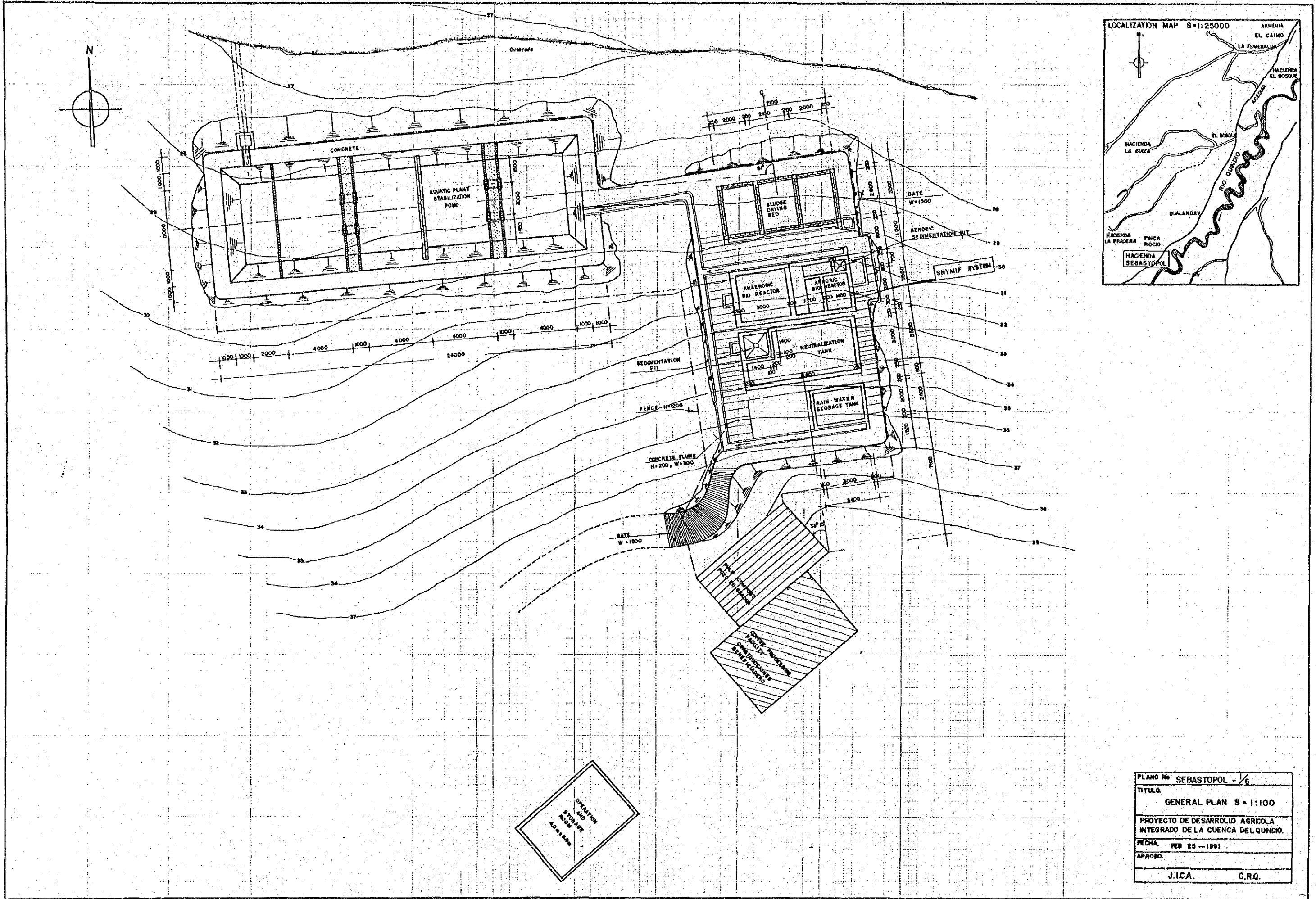
Diversion Weir

THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
DIVERSION WEIR	
DATE: MARCH, 1981	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



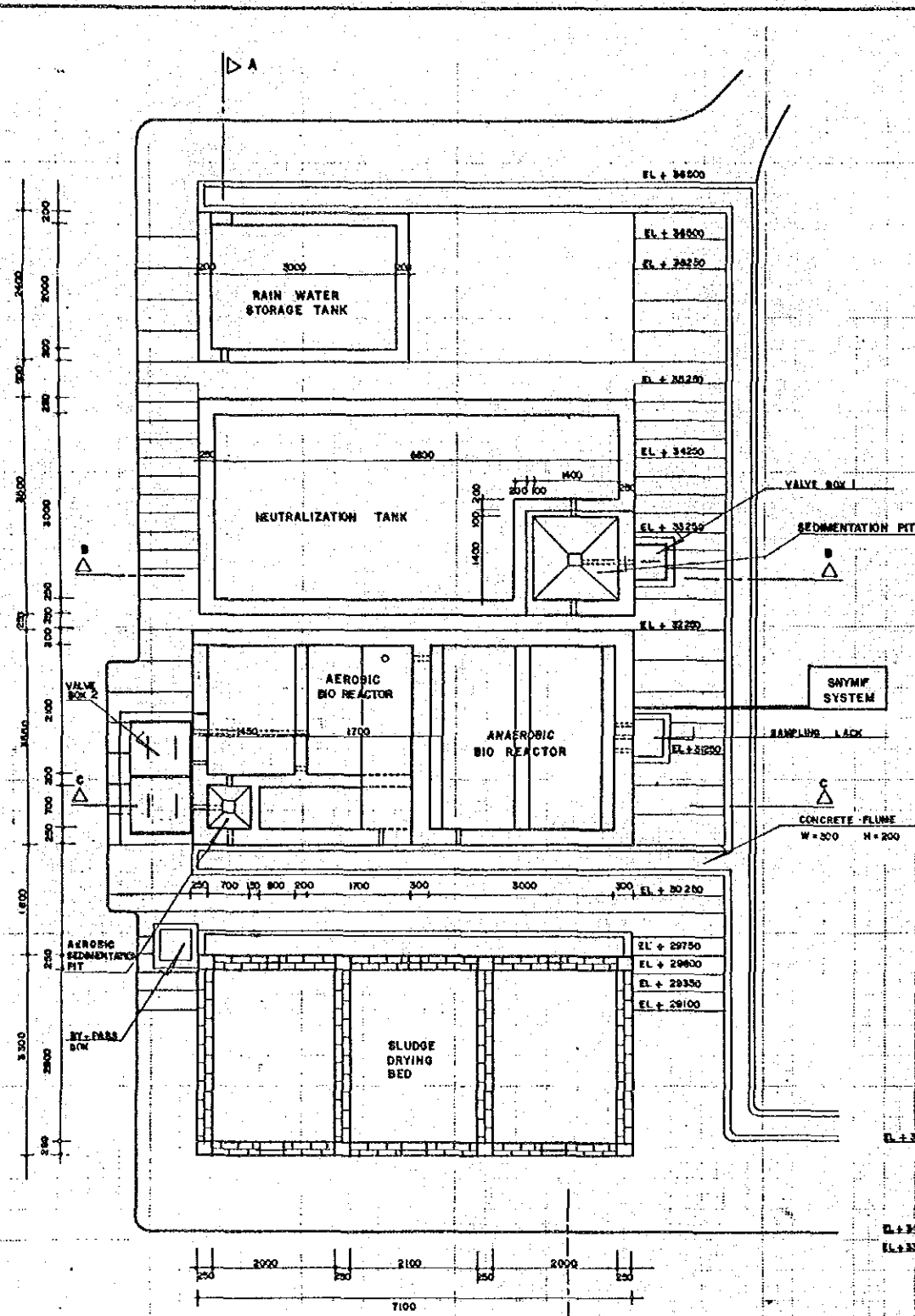
Farm Pond

THE REPUBLIC OF COLOMBIA	
THE QUINDIO BASIN INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT	
FARM POND	
DATE: MARCH, 1991	DRW. NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	



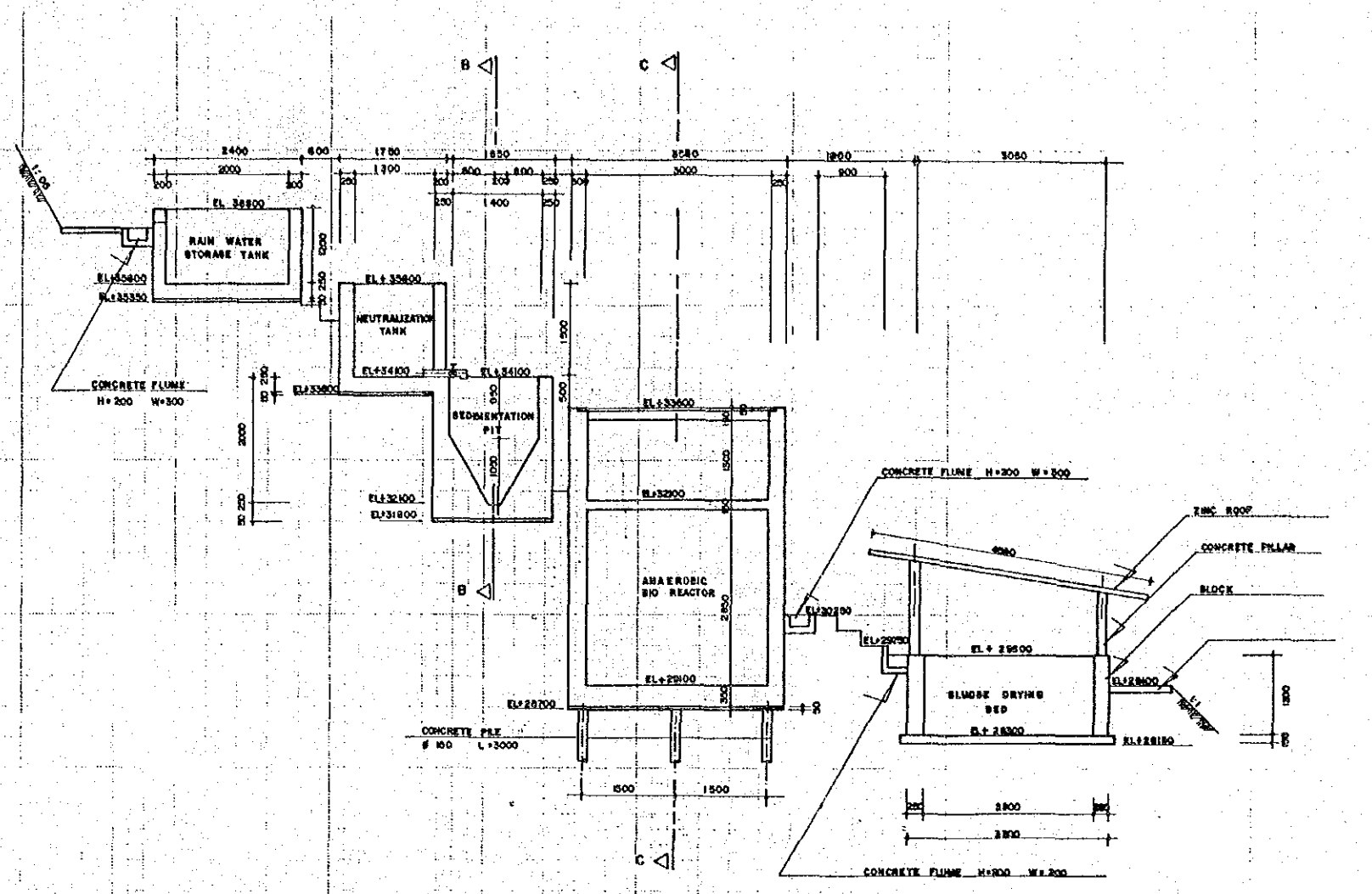
PLANO No	SEBASTOPOL - 1/6
TITULO	GENERAL PLAN S = 1:100
	PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINDIO.
FECHA	FEB 25 - 1991
APROBADO	J.I.C.A. C.R.Q.



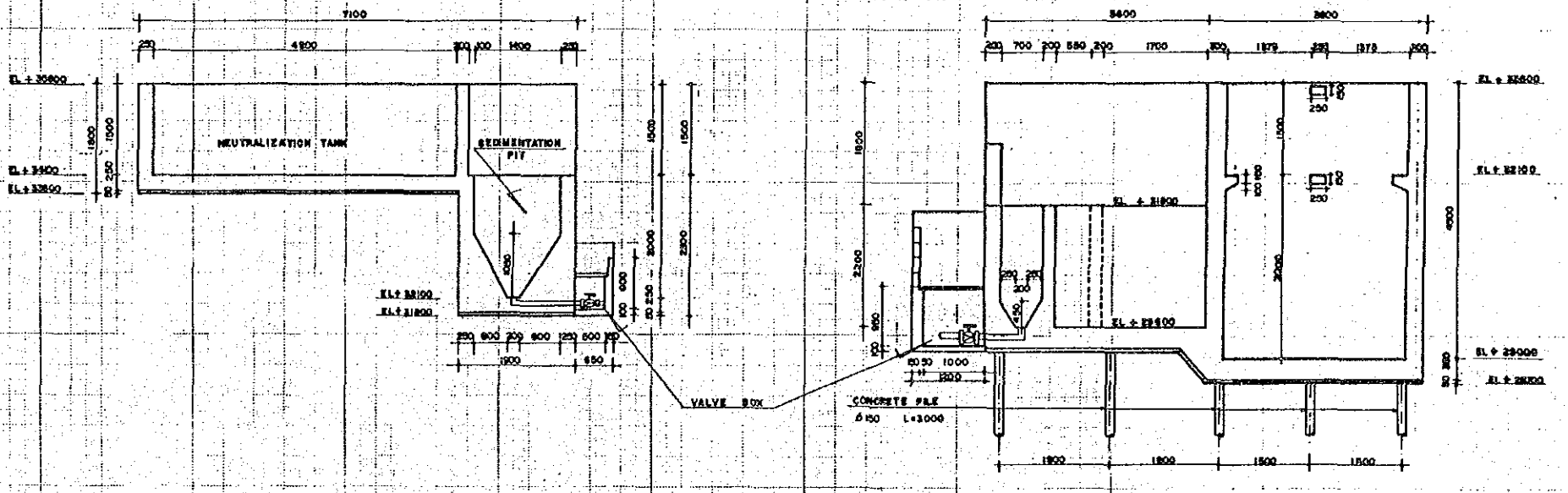


PLAN S=1:50

PLANO N.º	SEBASTOPOL - 2/6
TITULO	STRUCTURE - I
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINDIO	
FECHA	FEB. 25 - 1991
APROBO	
J.I.C.A.	C.R.Q.

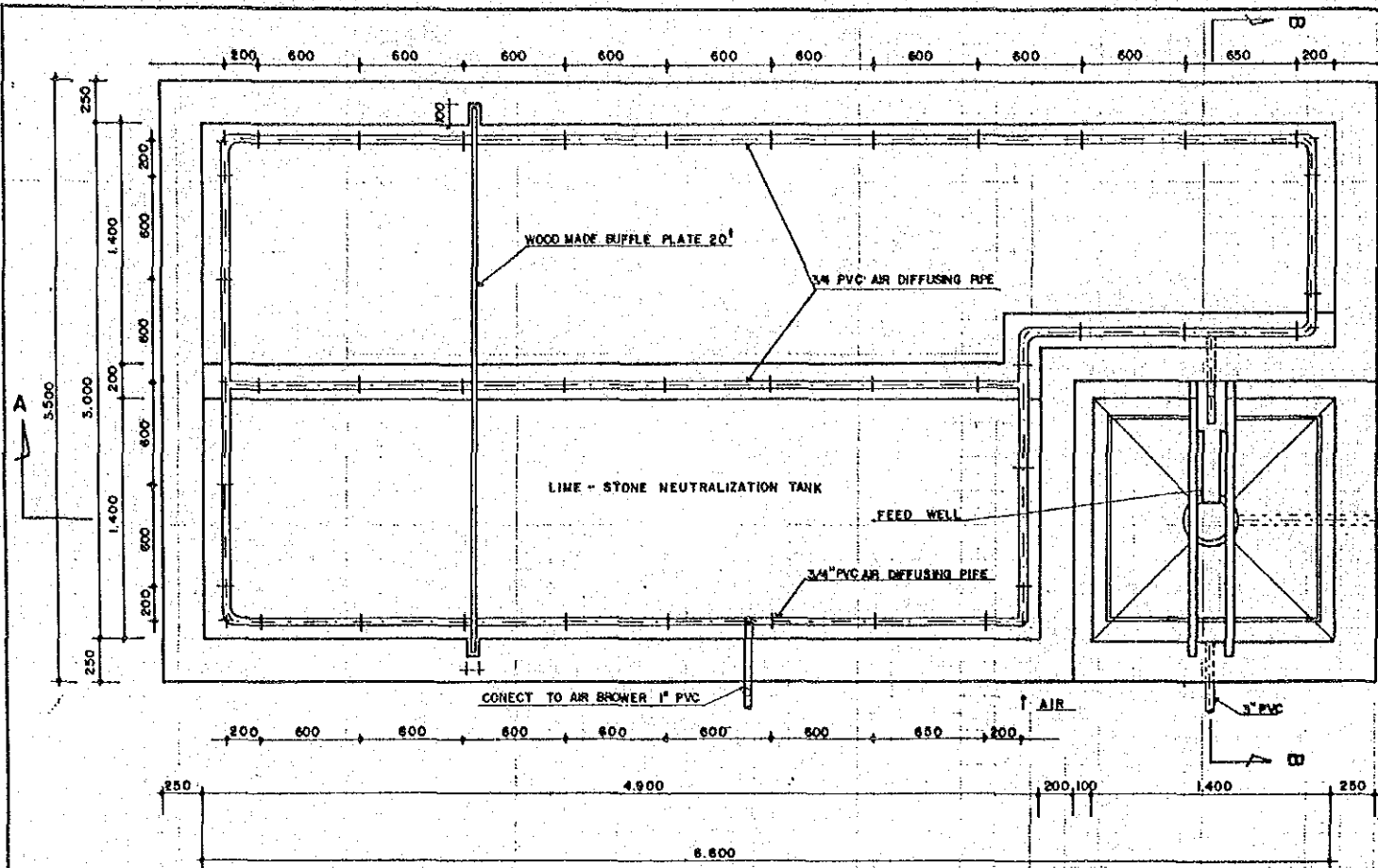


SECTION A-A S=1:50

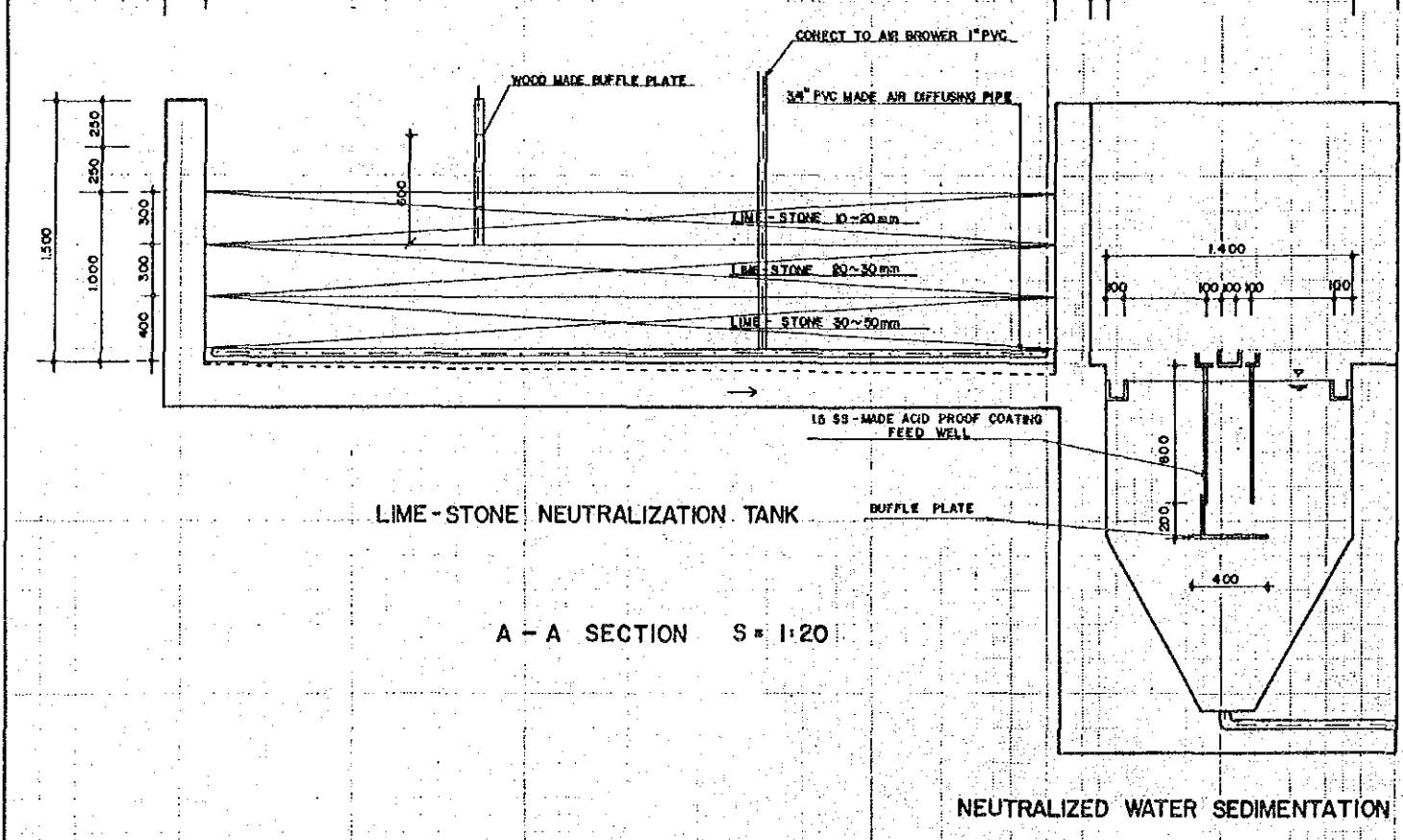


SECTION B-B S=1:50

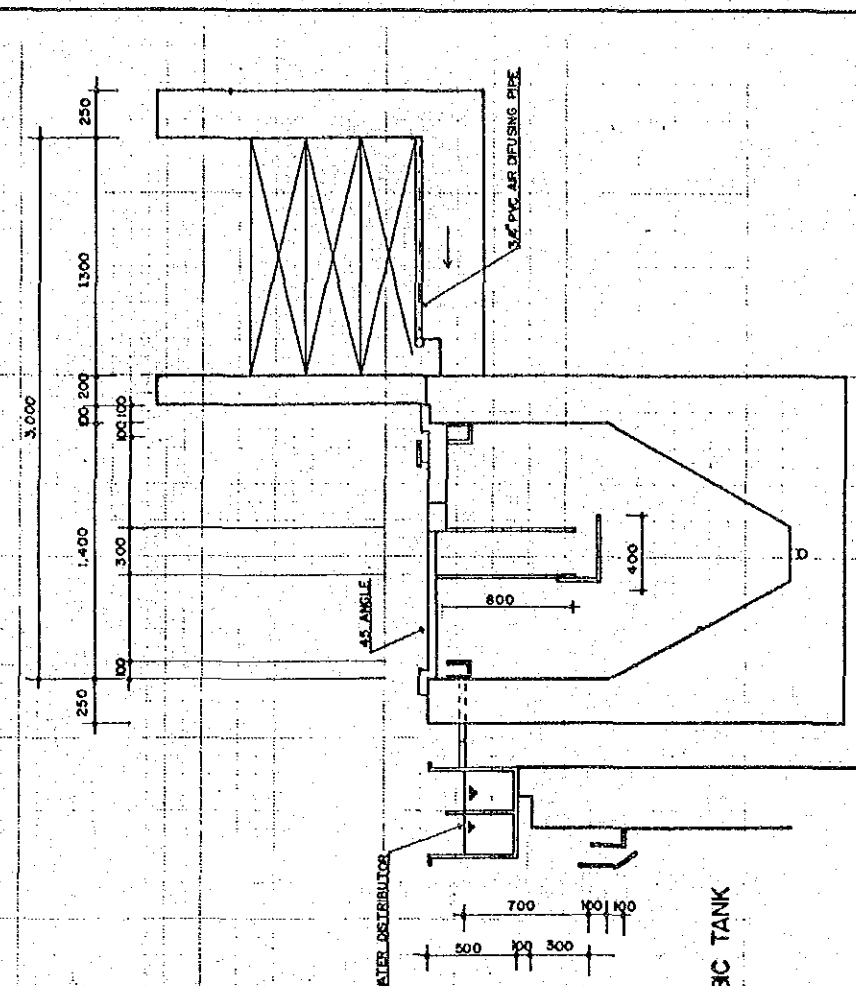
SECTION C-C S=1:50



PLAN S = 1:20

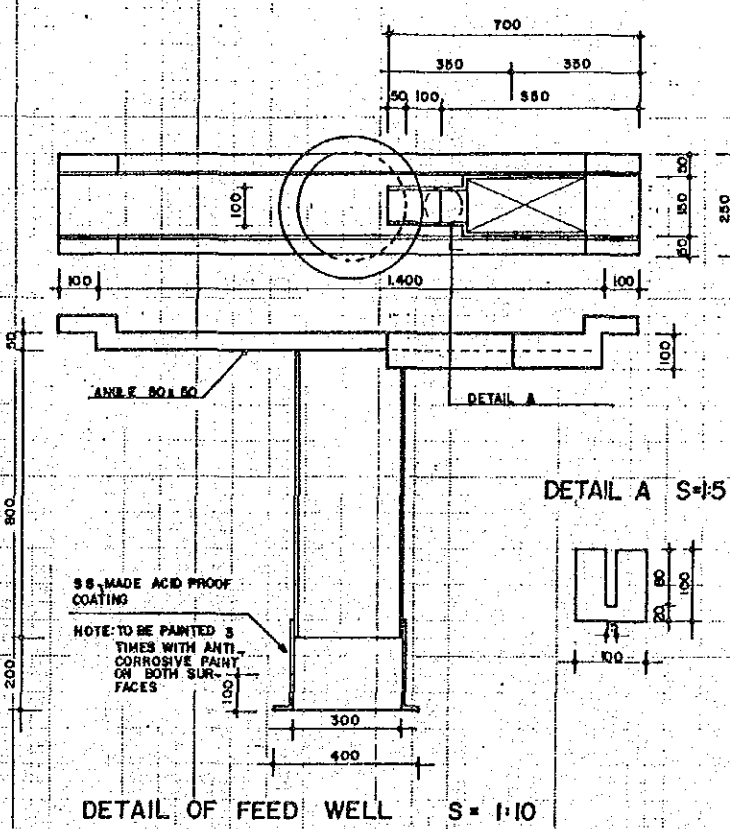


A - A SECTION S = 1:20

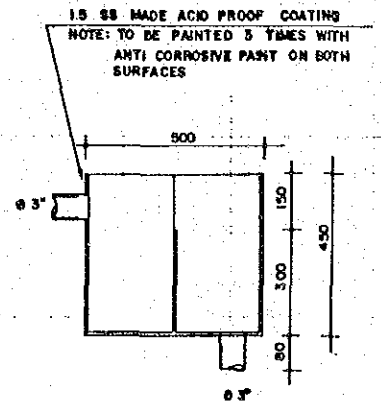


ANAEROBIC REACTOR

B - B SECTION S = 1:20

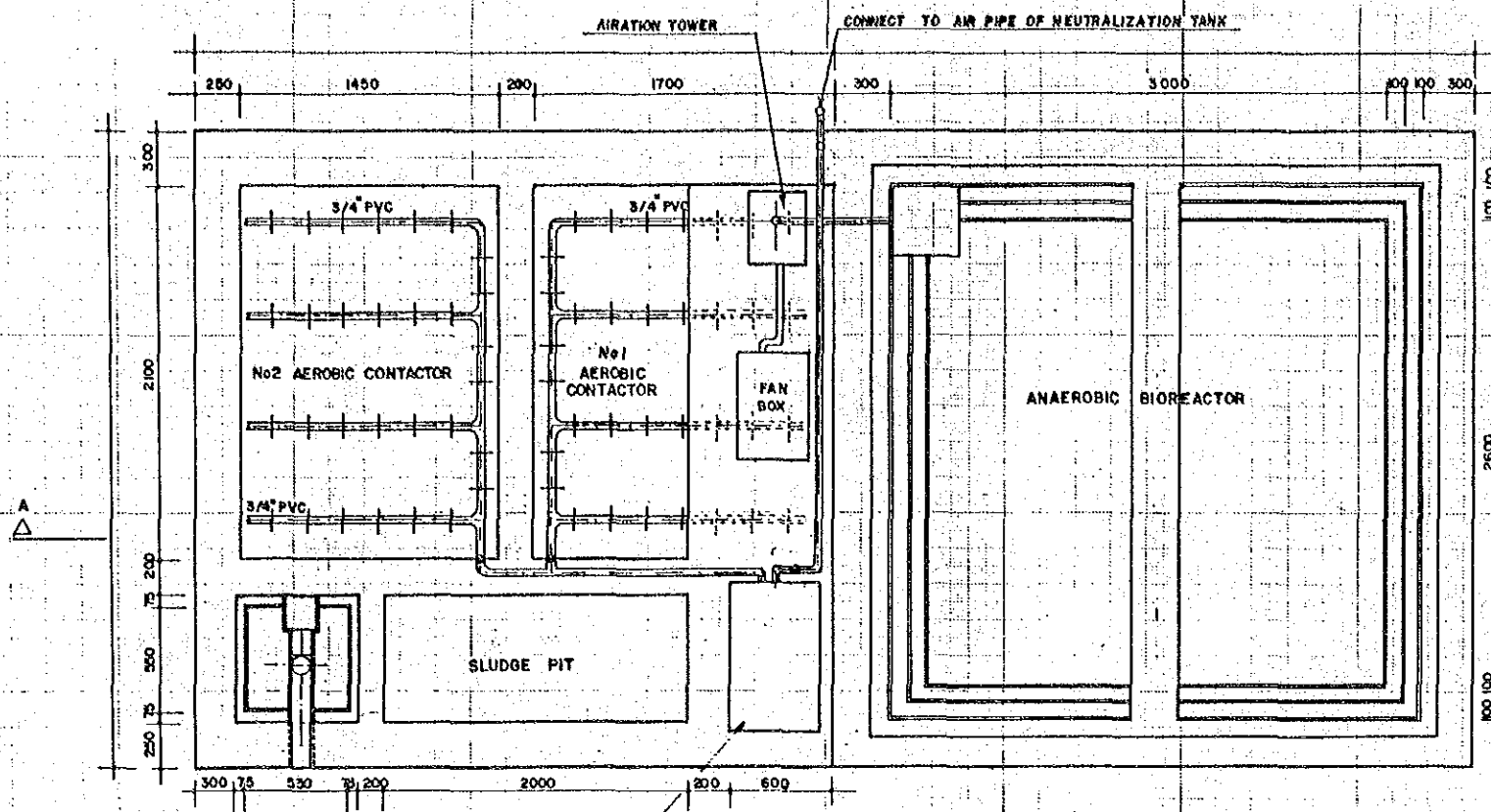


DETAIL OF FEED WELL S = 1:10



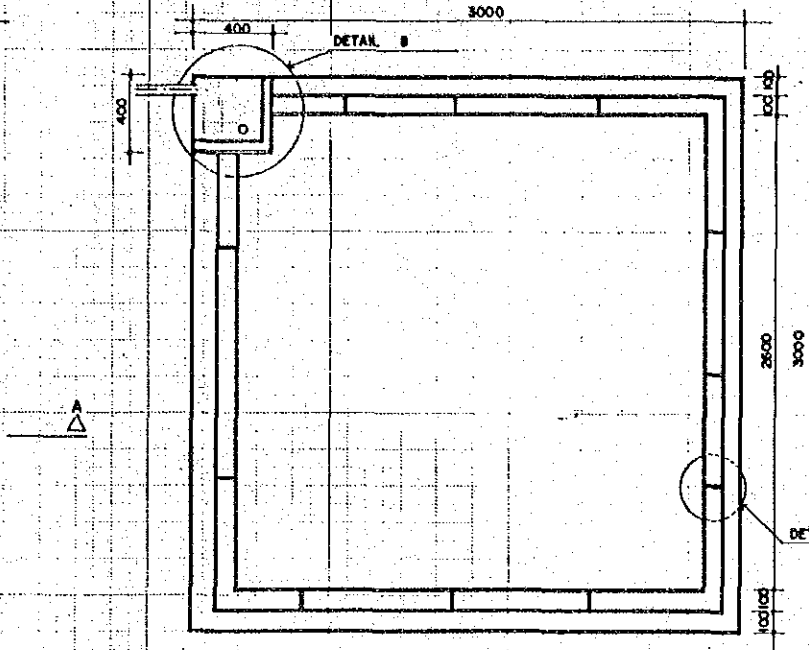
WATER DISTRIBUTOR S = 1:10

PLANO N.	SEBASTOPOL - 3/6
TITULO	STRUCTURE-2
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINDIO.	
FECHA	FEB. 25 - 1991
APROB.	
J.I.C.A.	C.R.Q.

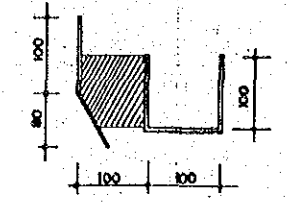


AEROBIC SEDIMENTATION PIT

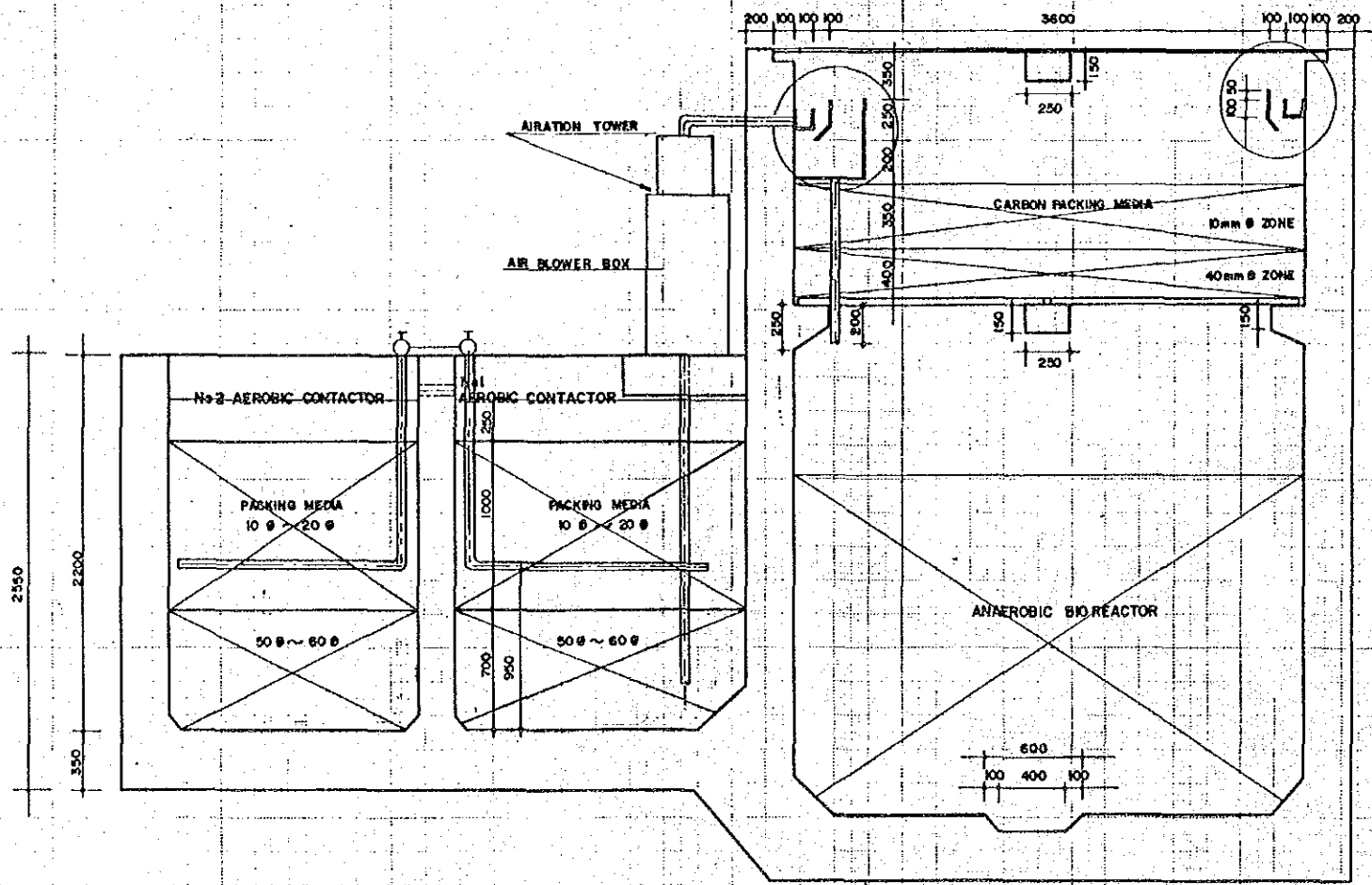
PLAN S = 1:20



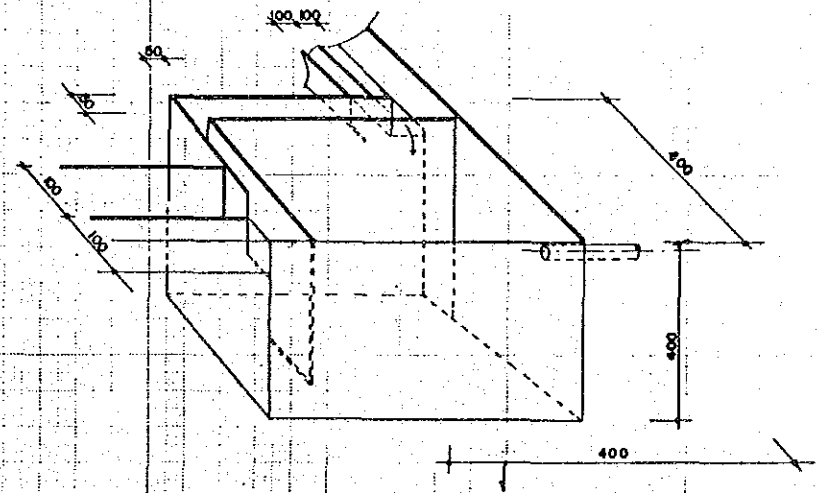
DETAIL OF CANAL ANAEROBIC TANK S = 1:20



DETAIL OF C S = 1:50

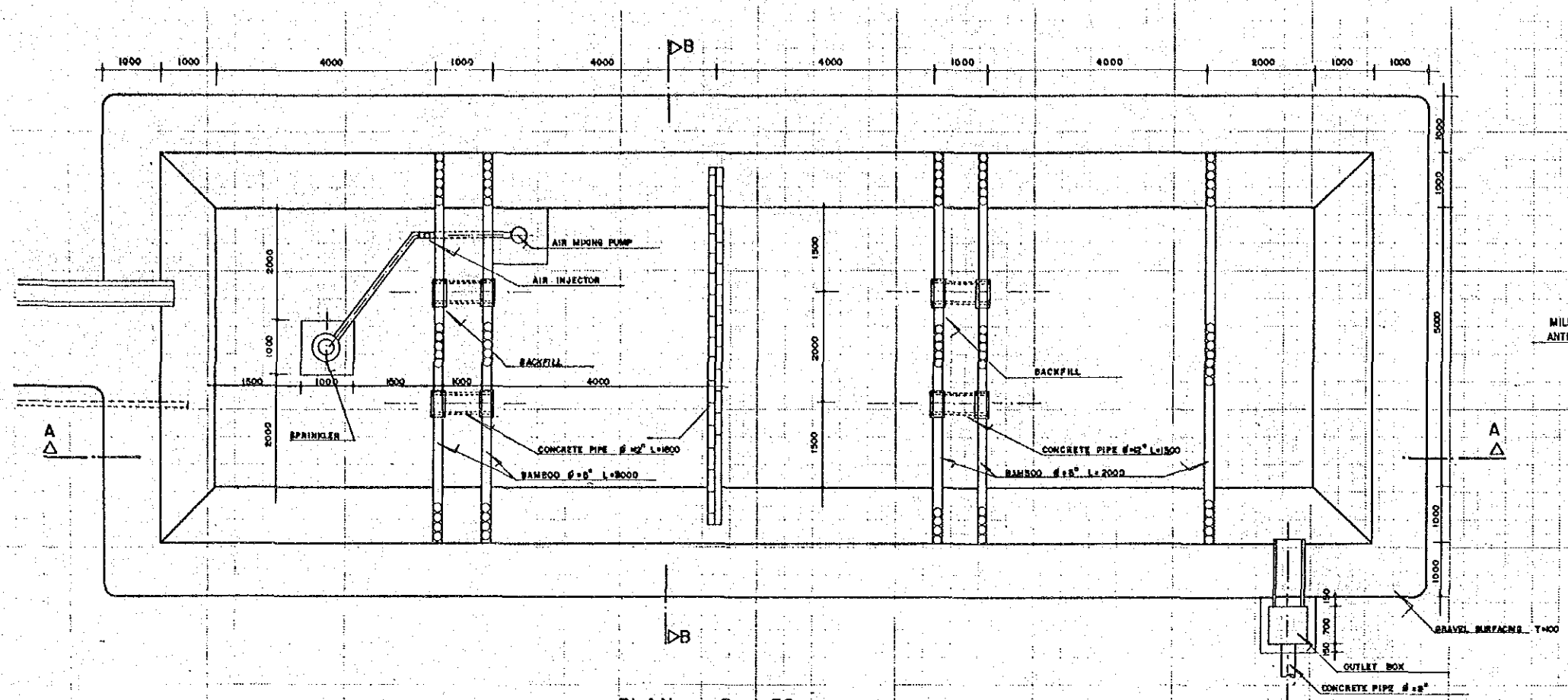


SECTION A-A S=1:20

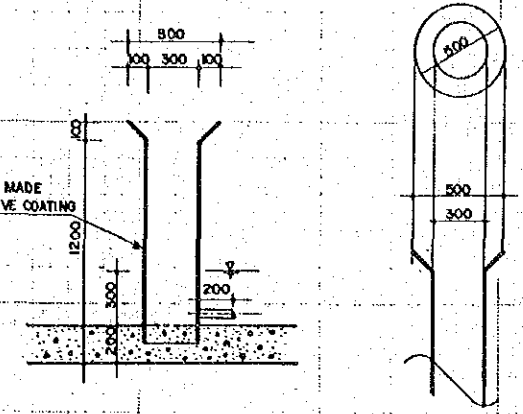


DETAIL OF B

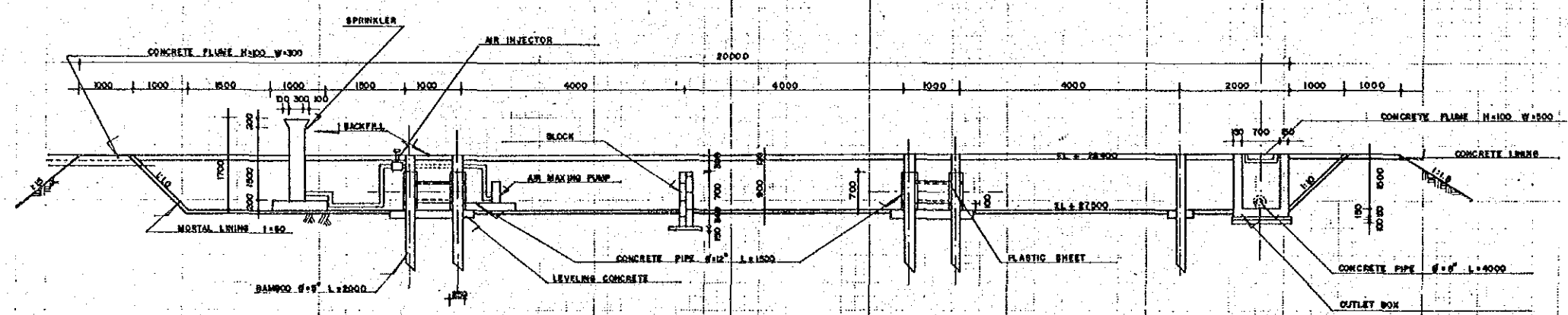
PLANO No	SEBASTOPOL 3/6
TITULO:	STRUCTURE-3
PROYECTO DE DESARROLLO AGRICOLA INTERRADO DE LA CUENCA DEL QUINDIO	
FECHA:	FEB 25 - 1981
APROBO:	
	JICA C.R.O.



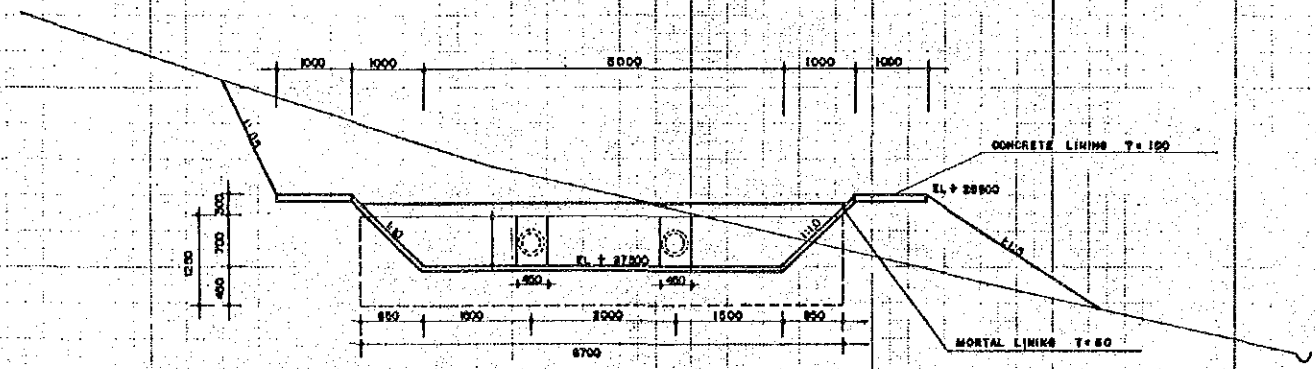
PLAN S = 1:50



SPRINKLER IN STABILIZATION POND  
S = 1:20

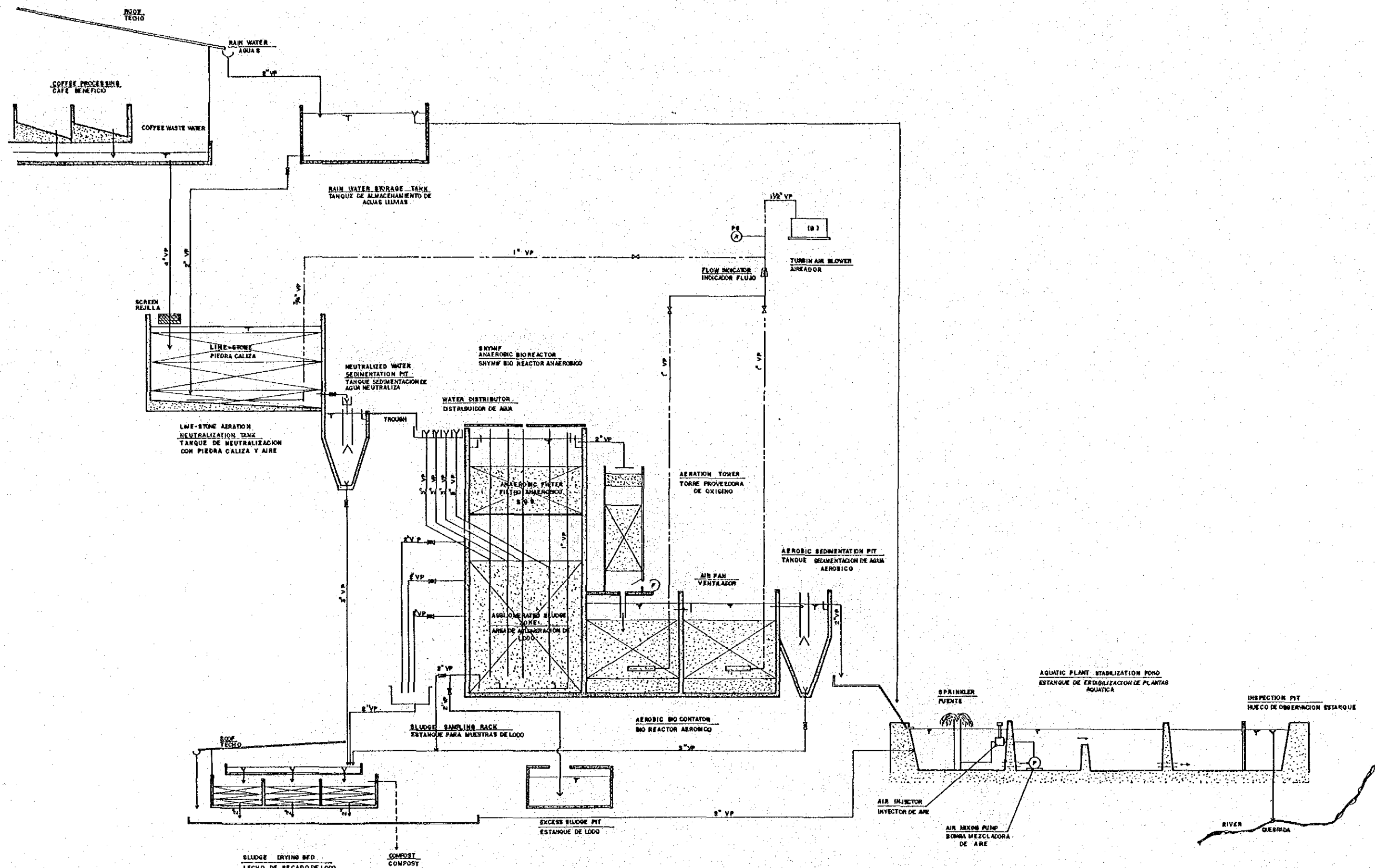


SECTION A-A S = 1:50



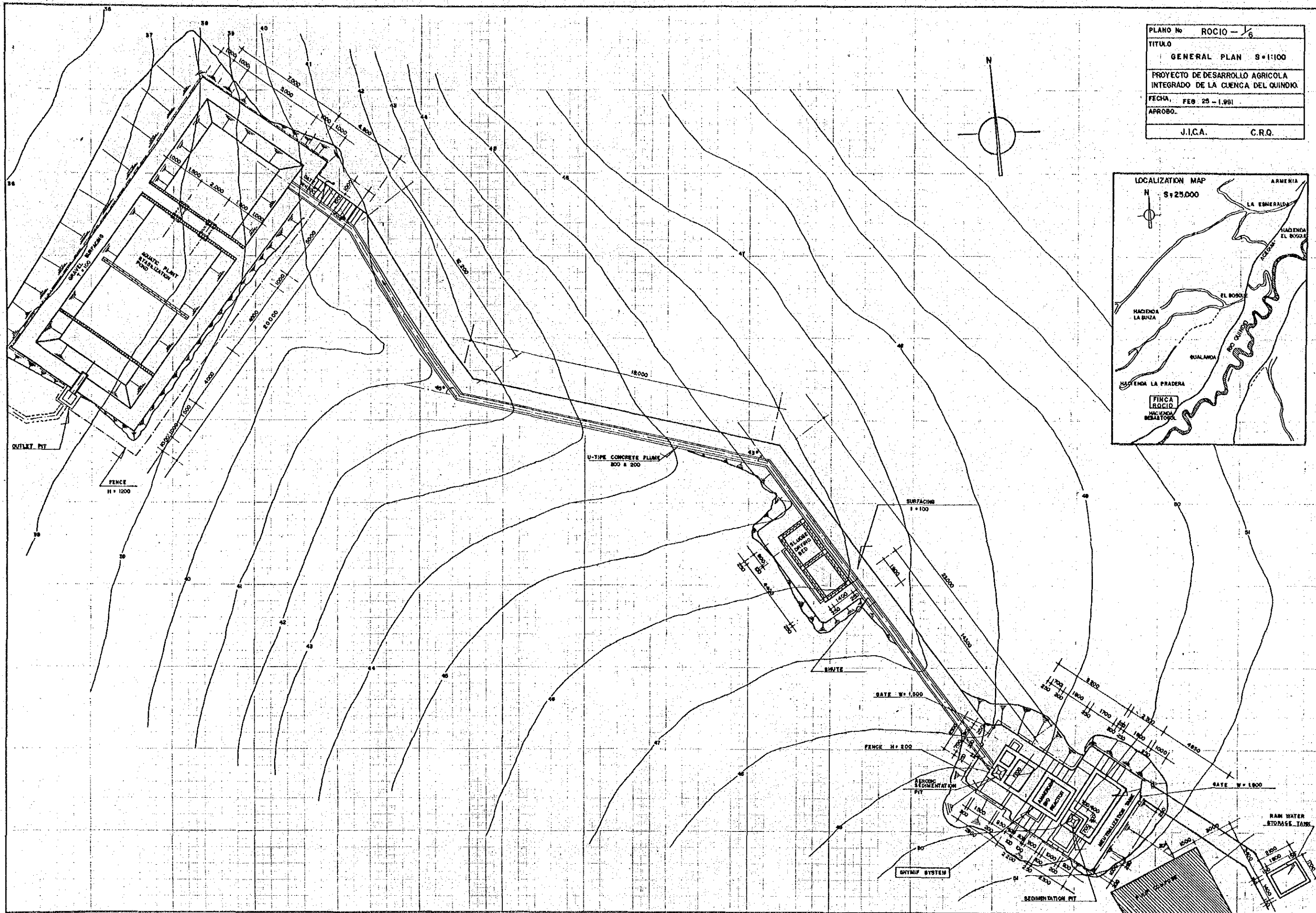
SECTION B-B S = 1:50

PLANO No	SEBASTOPOL - 5/6
TITULO	STRUCTURE - 4
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL GUNDO.	
FECHA	FEB 6 - 1961
APROBO.	J.I.C.A. C.R.Q.

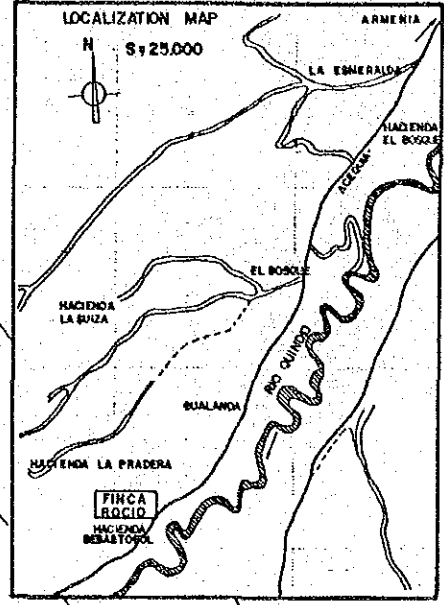
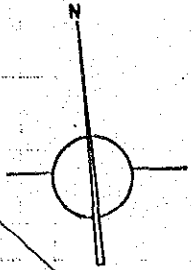


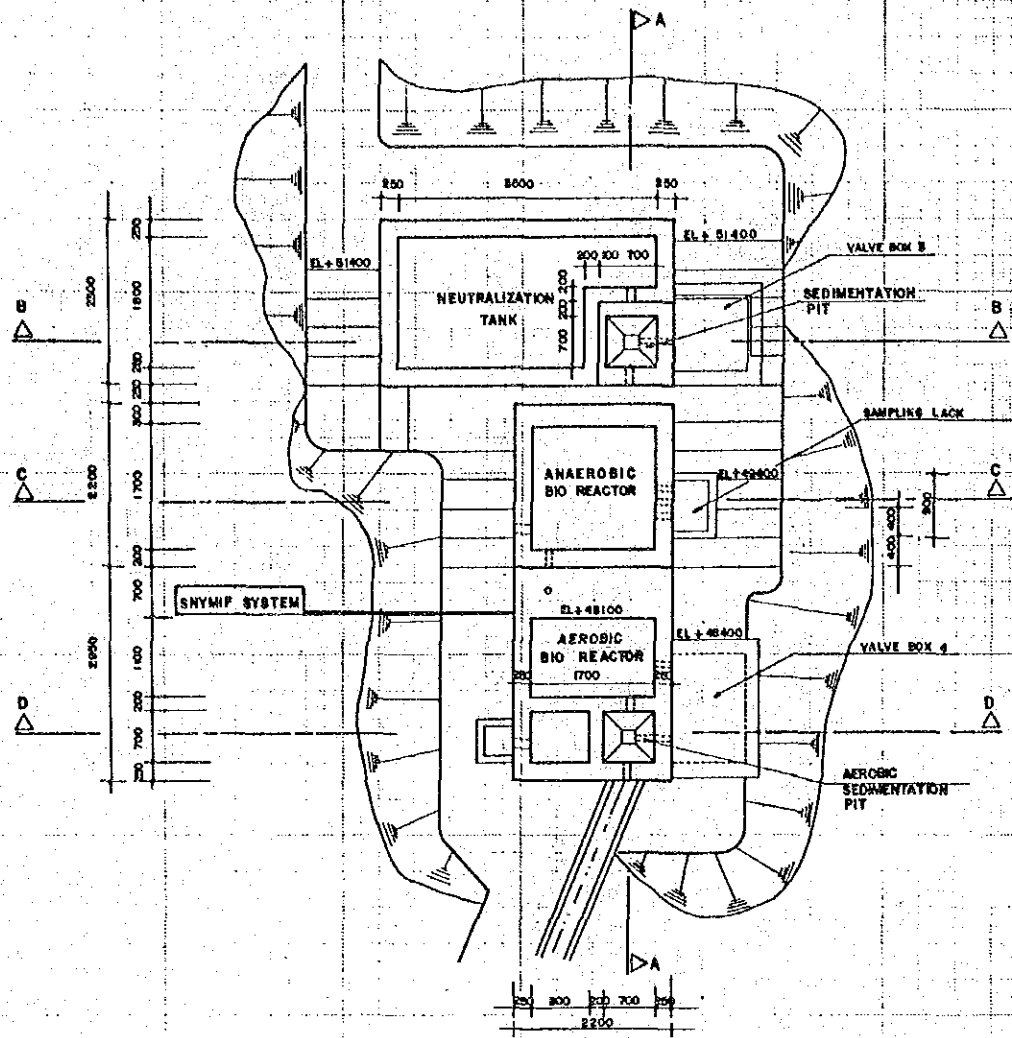
PLANO No.	SEBASTOPOL - 6/6
TITULO:	FLOW SHEET
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINTO	
FECHA:	FEB. 25 - 1991
APROBADO:	
	J.I.C.A. C.R.Q.



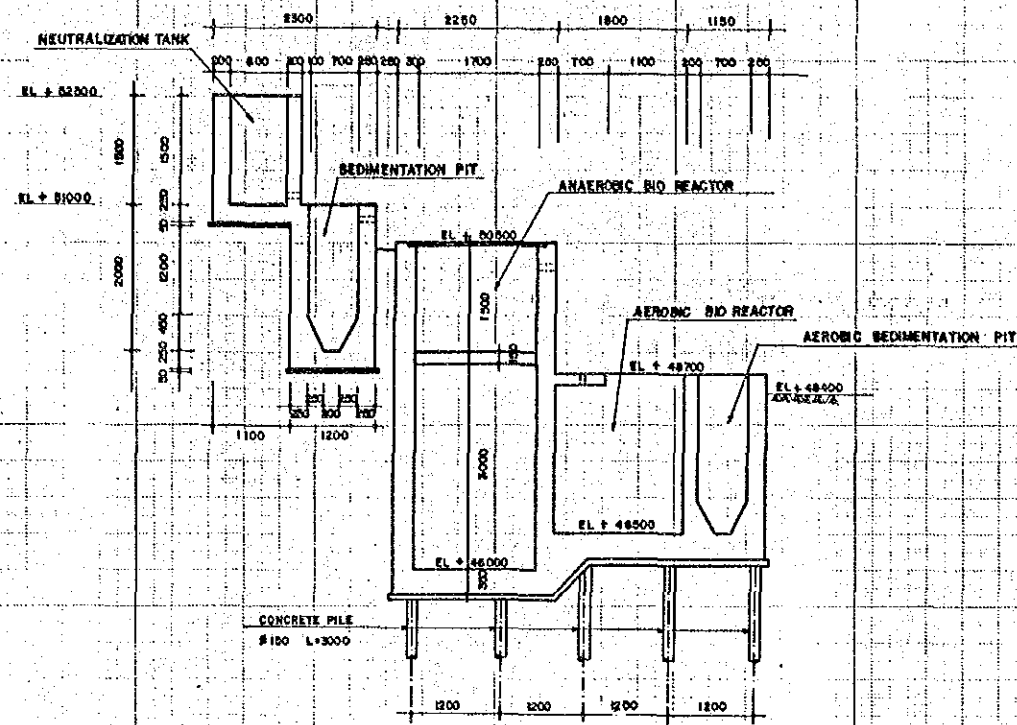


PLANO No	ROCIO - 1/6
TITULO	GENERAL PLAN S = 1:100
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINOKO	
FECHA	FEB 25 - 1981
APROBO.	
J.I.C.A.	C.R.Q.

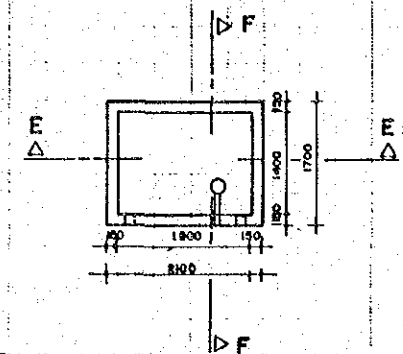




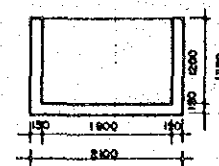
PLAN S = 1:50



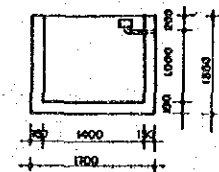
SECTION A-A S=1:50



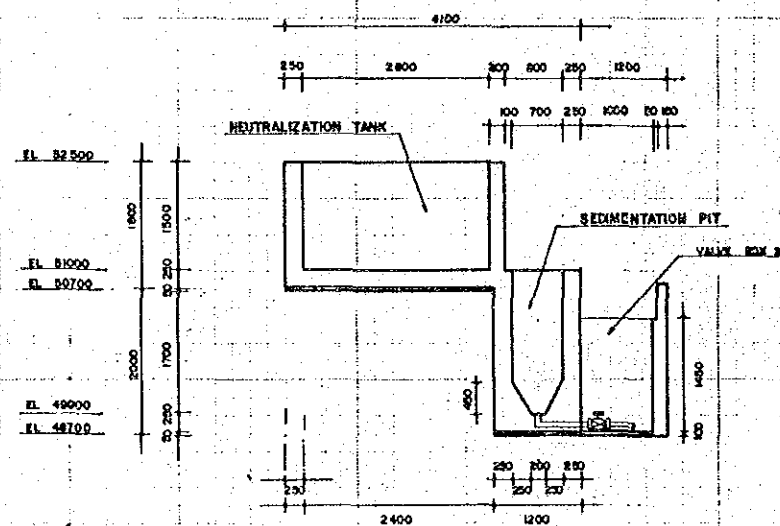
RAIN WATER STORAGE TANK  
PLAN S = 1:50



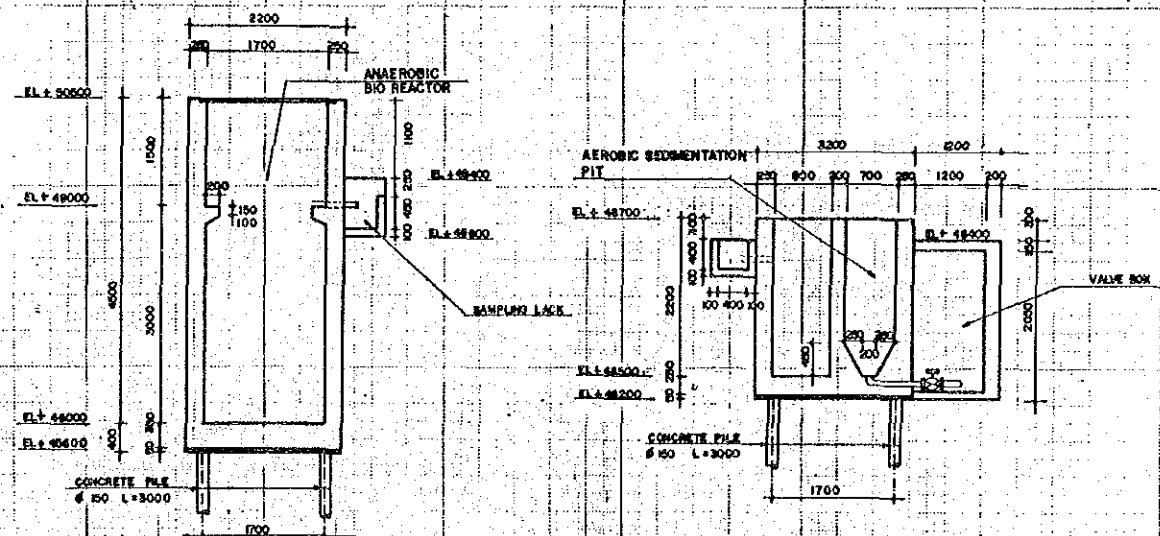
SECTION E-E S=1:50



SECTION F-F S=1:50



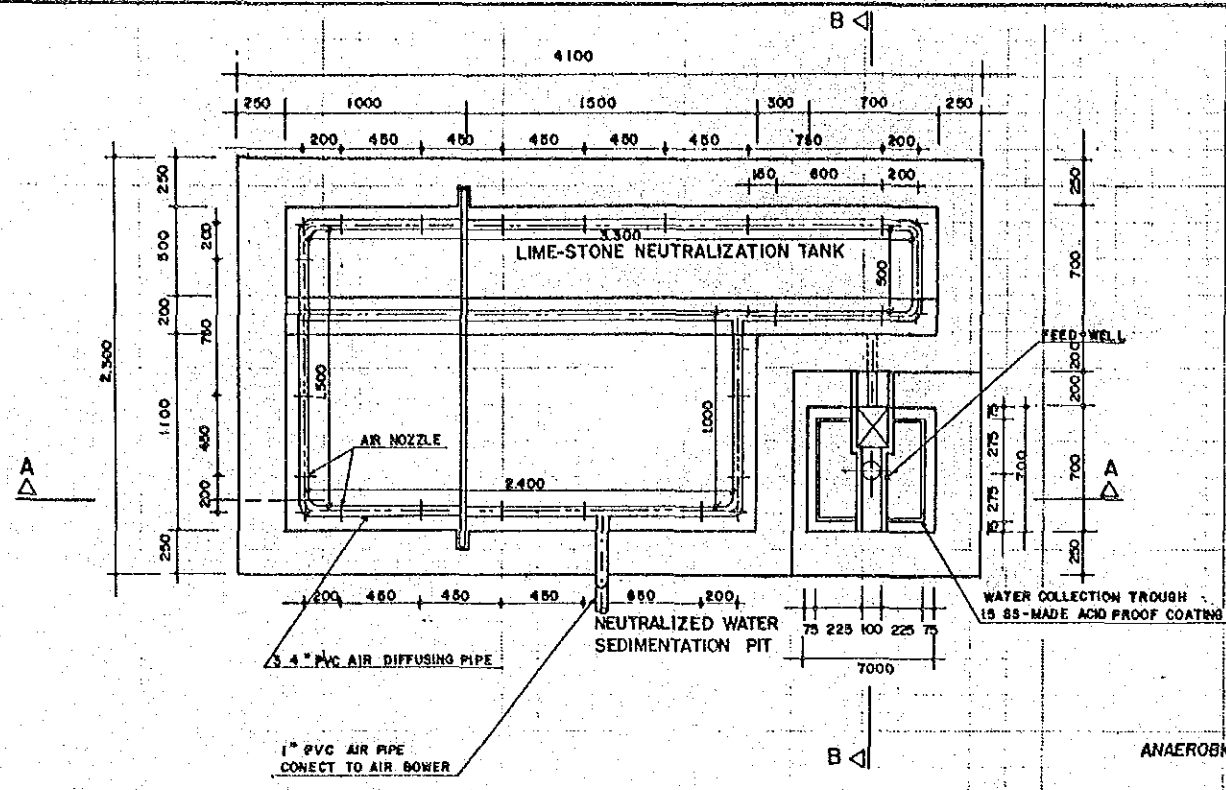
SECTION B-B S=1:50



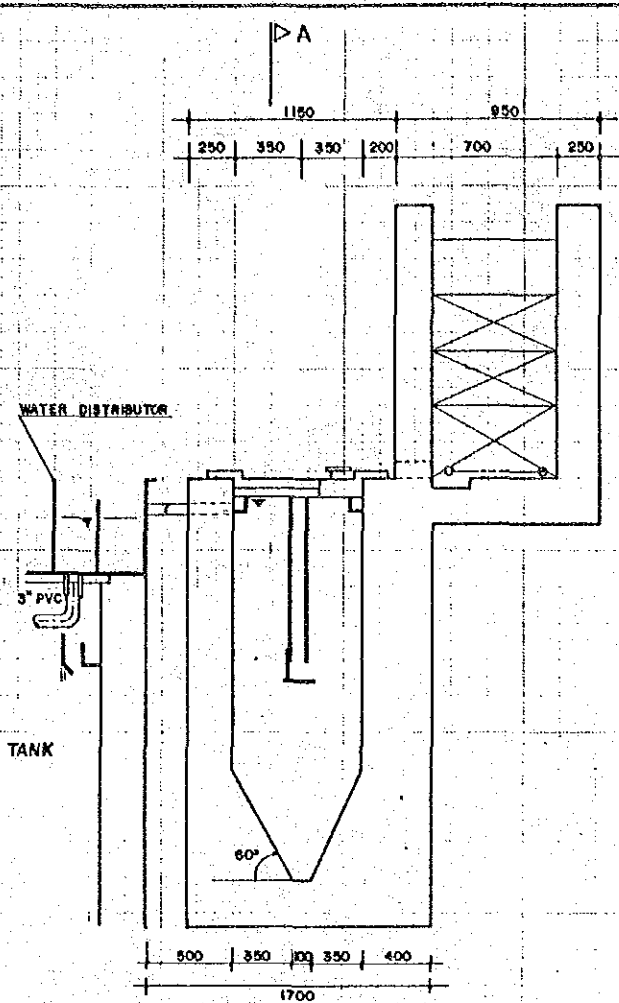
SECTION C-C S=1:50

SECTION D-D S=1:50

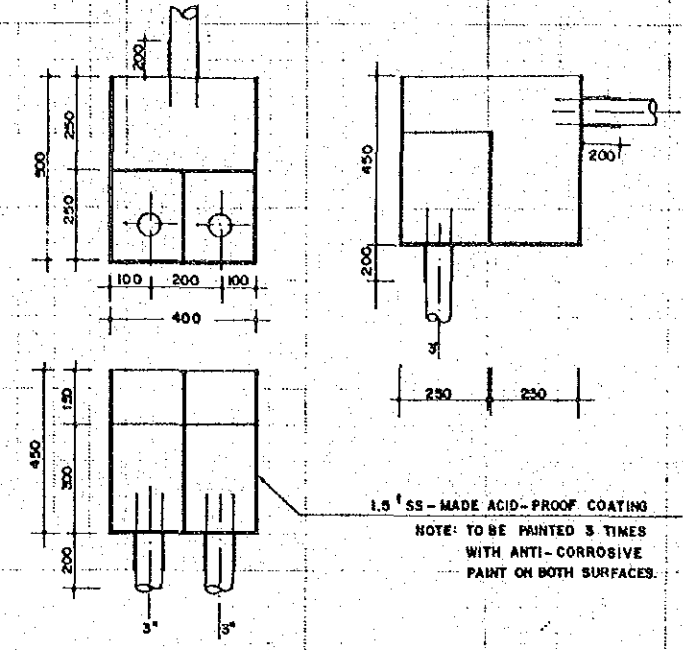
PLANO No	ROCIO-2/8
TITULO	STRUCTURE -- I
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUNDO.	
FECHA	FEB 85 - 1991
APROBO.	J.I.C.A. C.R.Q.



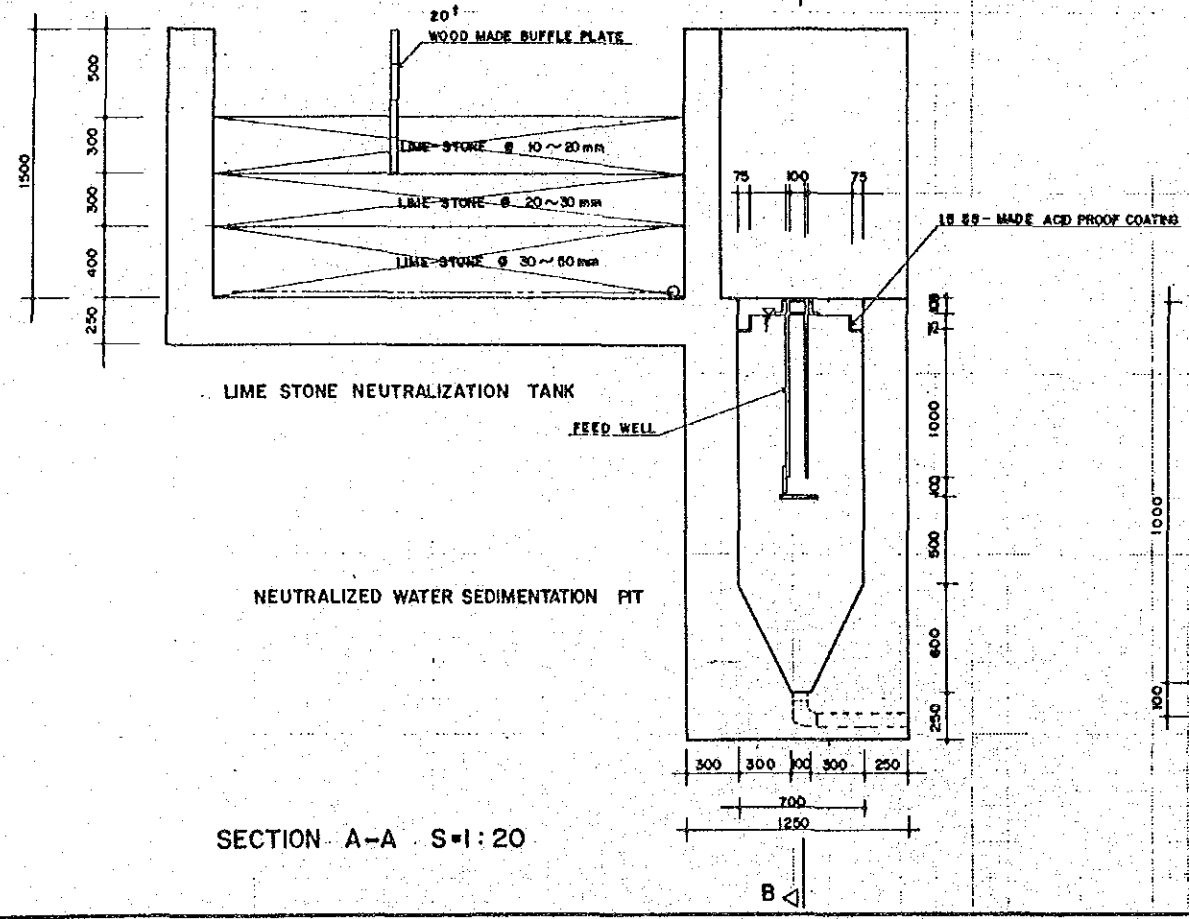
PLAN S = 1:20



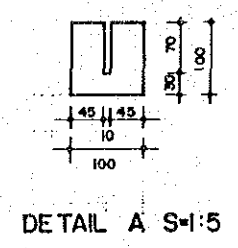
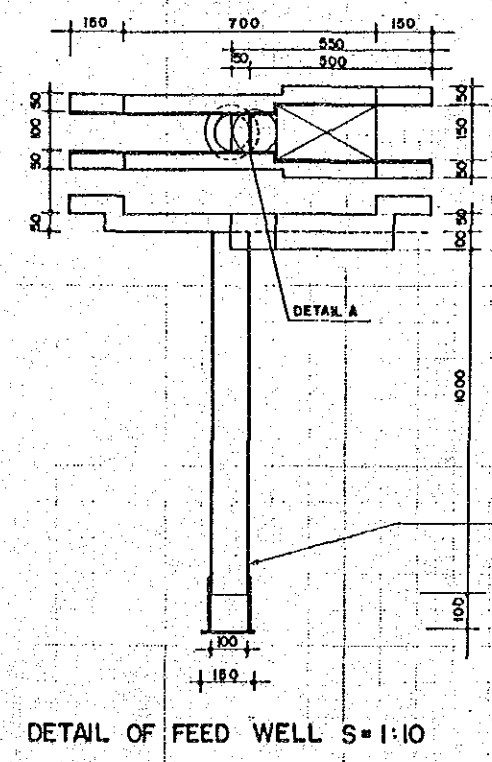
SECTION B-B S = 1:20



WATER DISTRIBUTOR S = 1:10



SECTION A-A S = 1:20

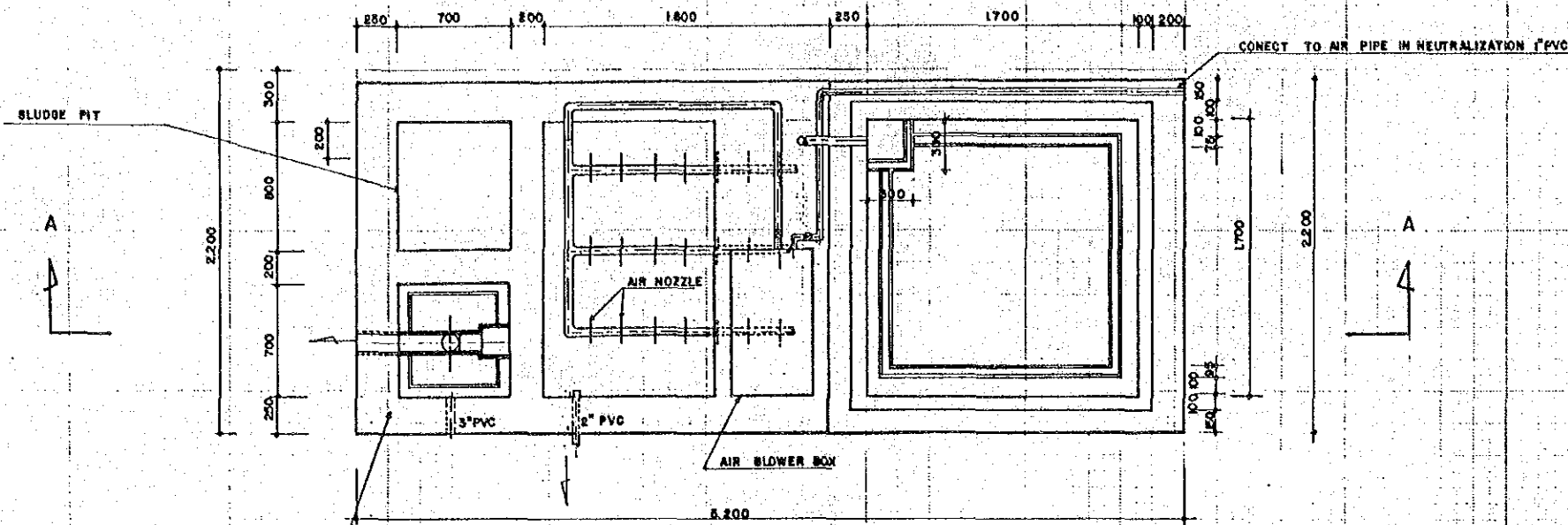


SS-MADE ACID PROOF COATING

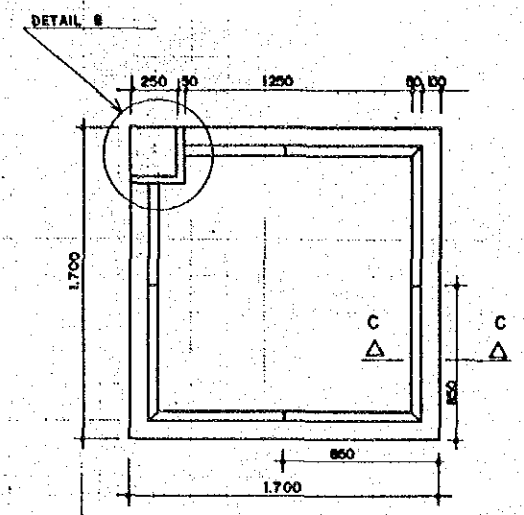
NOTE: TO BE PAINTED 3 TIMES WITH ANTI-CORROSION PAINT ON BOTH SURFACES

PLANO No	ROCIO - 3/6
TITULO	STRUCTURE-2
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUNDO.	
FECHA	FEB 25-1964
APROBO	
J.I.C.A.	C.R.Q.

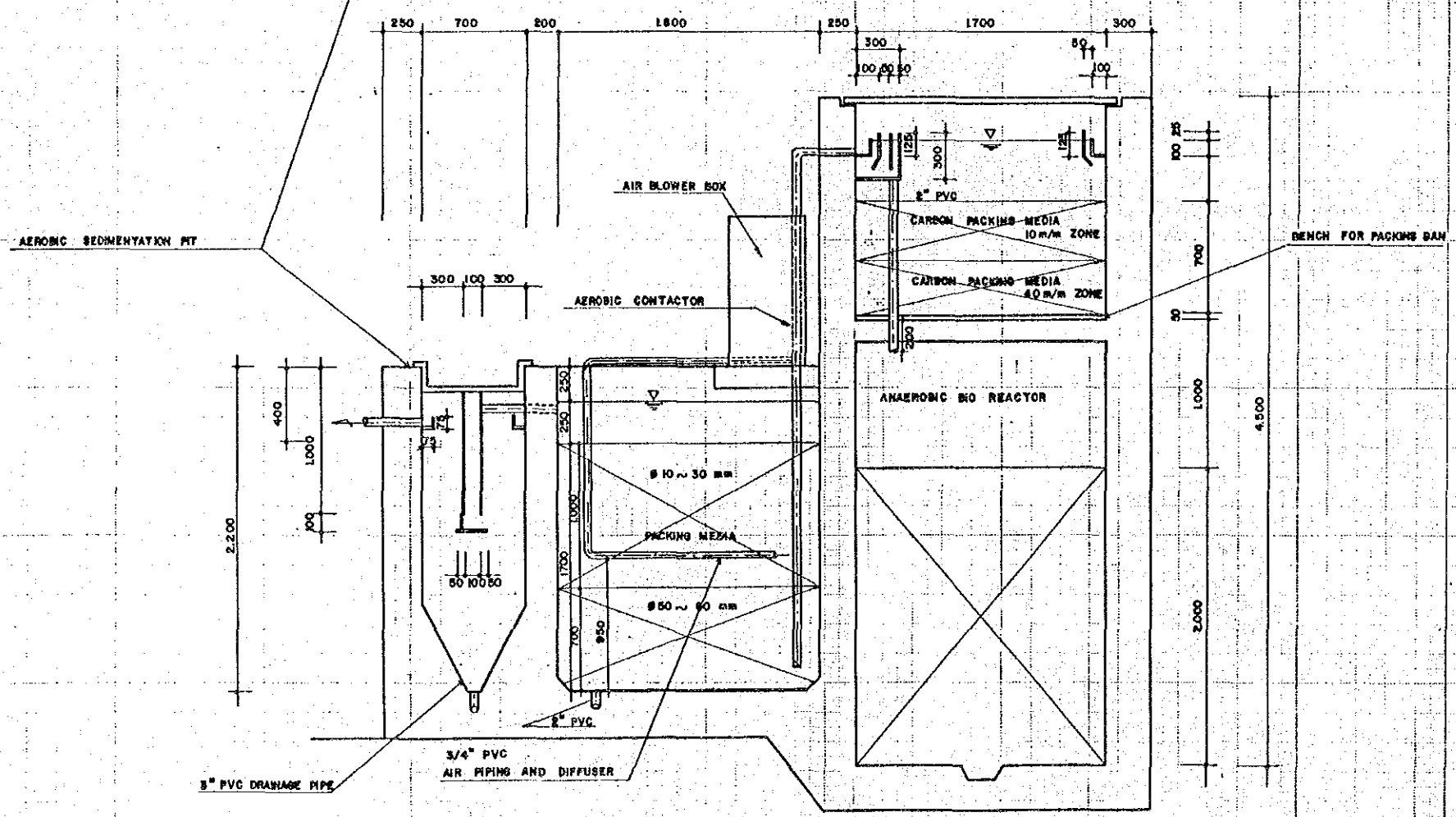




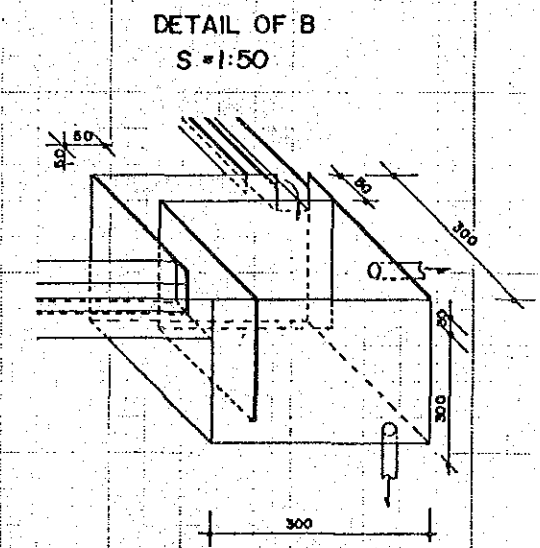
PLAN S = 1:20



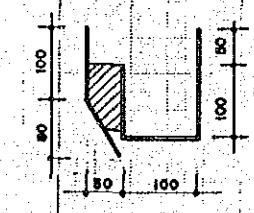
DETAIL OF CANAL IN ANAEROBIC TANK S = 1:20



SECTION A-A S = 1:20  
ANAEROBIC AND AEROBIC REACTOR

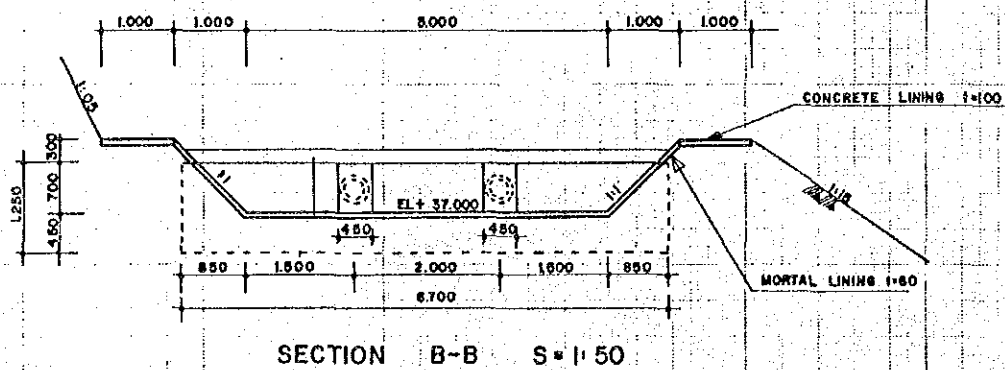
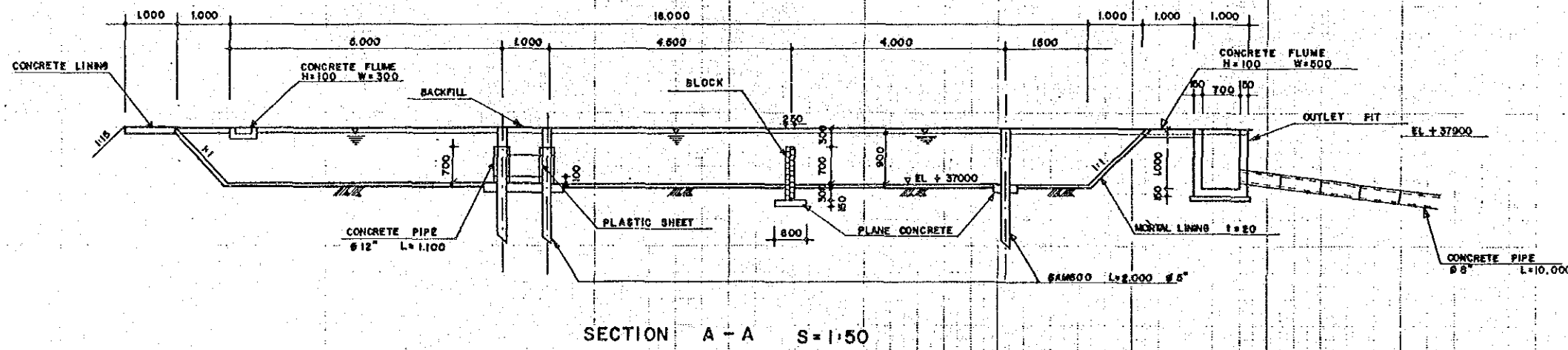
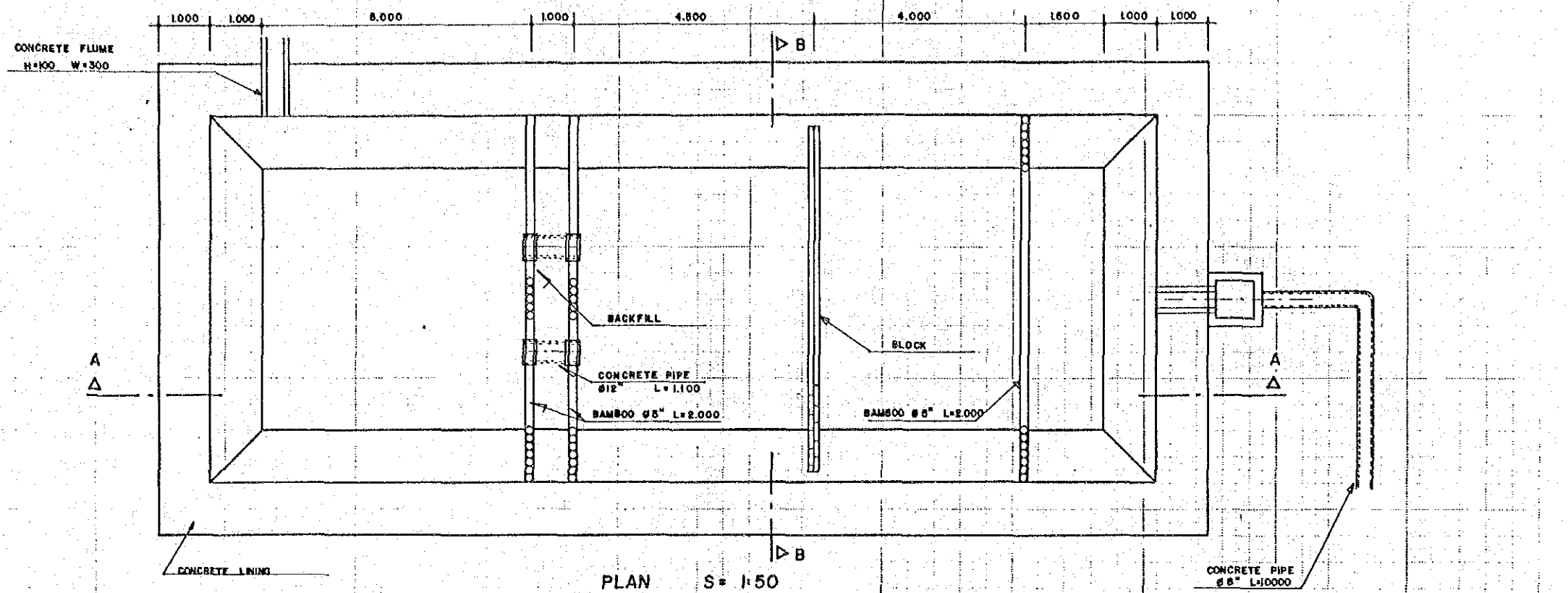


DETAIL OF B S = 1:50

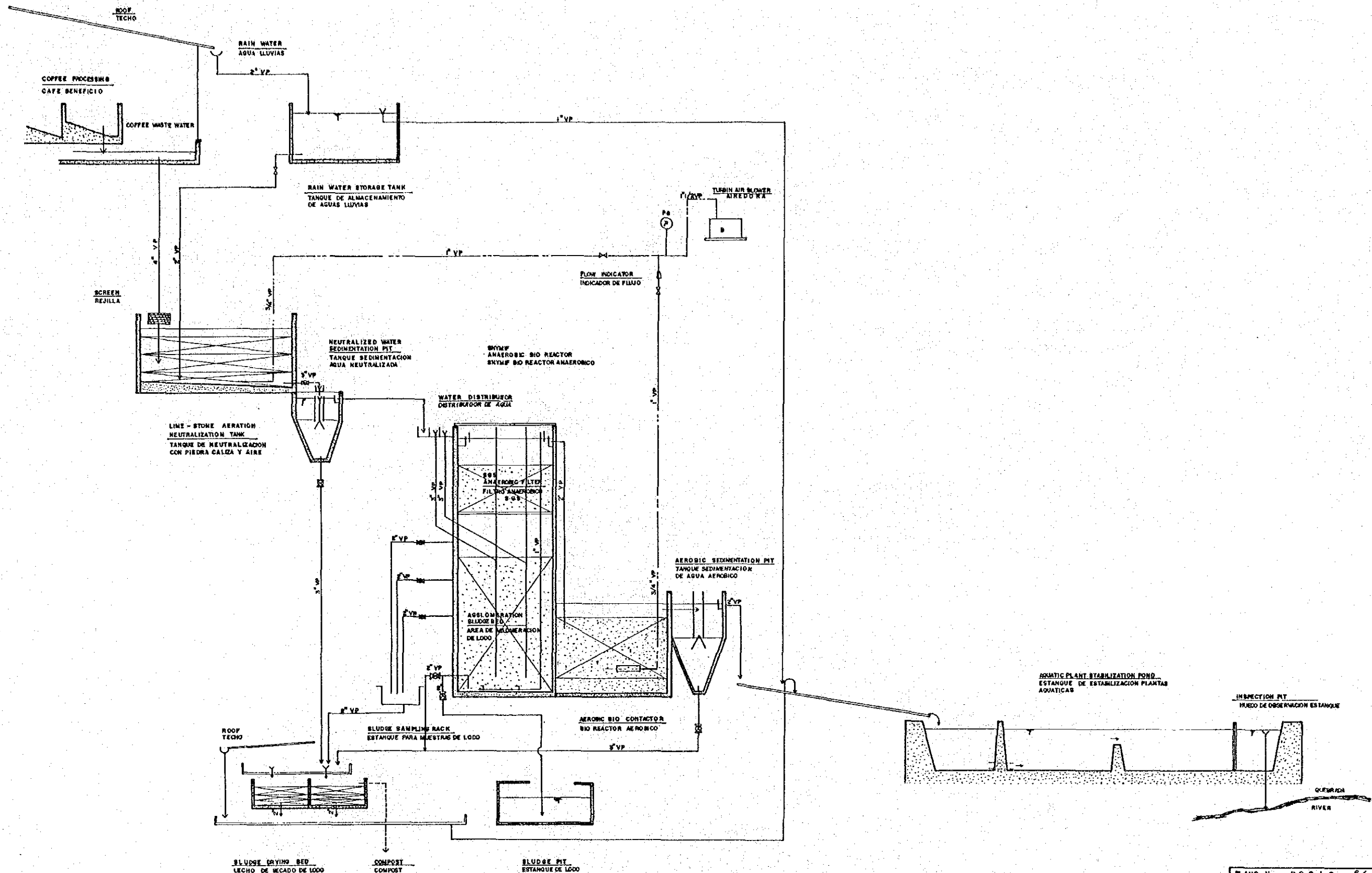


SECTION C-C S = 1:50

PLANO No EL ROCIO - 4/6	
TITULO:	
STRUCTURE-3	
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINDIO	
FECHA: FEB 25 - 1991	
APROBO:	
JICA	C.R.Q.



PLANO No EL ROCIO - 5/6	
TITULO	
STRUCTURE - 4	
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUINDIO.	
FECHA.	FEB 25 - 1991
APROBADO.	
J.I.C.A.	C.N.O.



PLANO N. ROCIO - 6/6
TITULO: FLOW SHEET
PROYECTO DE DESARROLLO AGRICOLA INTEGRADO DE LA CUENCA DEL QUNDO
FECHA: FEB. 26 - 1991
APROBO: JICA C.R.O.