

SCALE	1:10,000
DATE	1961
PROJECT	IRRI
MAP NO.	10-1 (VI)



Pondicherry Tank, Paramahoudi Tank Village Map and Command Area	
Map No.	10-1 (VI)
Scale	1:10,000
Author	IRRI
Project	IRRI

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TANUL MADU

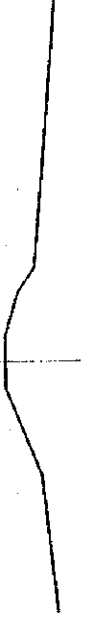
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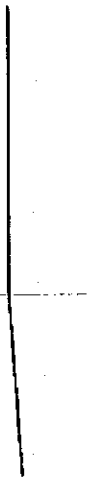
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JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Type of Drawing	Pandikannon Tank, Paramaxudi Taluk Cross Sections of Bund
Scale	1 : 100	Drawing No.	11-1 (1/9)
Drawn by		Checked by	
Approved by		Approved by	

NO. 1100 OF
6.1.78 11



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JAPAN INTERNATIONAL COOPERATION AGENCY
JICA

Title of Drawing: Pandikamoi Tank, Peramankudi Taluk
Cross Sections of Bund

Scale: 1 : 100
Drawing No.: 1100 OF 6.1.78 11
Checked by: [Signature]
Approved by: [Signature]

STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

SECTION AT
CROSS 27

11.11.11
11.11.11

11.11.11



SECTION AT
CROSS 28

11.11.11
11.11.11

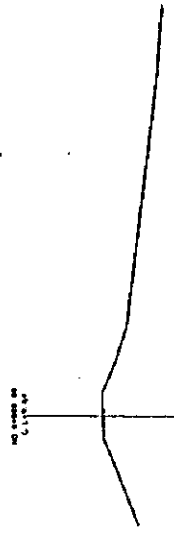
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SECTION AT
CROSS 29

11.11.11
11.11.11

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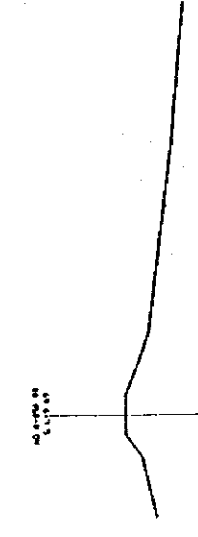


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SECTION AT
CROSS 30

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11.11.11



SECTION AT
CROSS 31

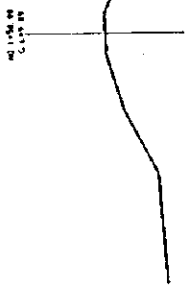
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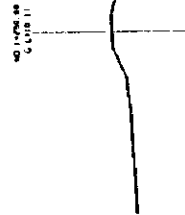
JAPAN INTERNATIONAL COOPERATION AGENCY
JICA
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

Title of Project Cross Sections of Bund	Pandikemol Tank, Paramakudi, Taluk	
	Scale : 1 : 100	Drawing No. : 11-413/2
Prepared by	Checked by	Approved by



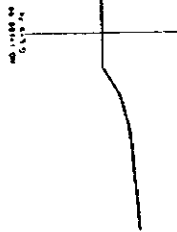
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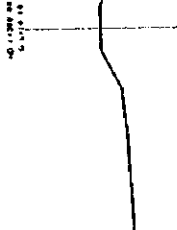
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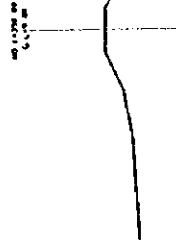


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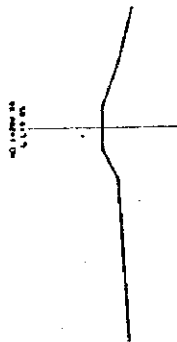
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0.125 m



JAPAN INTERNATIONAL COOPERATION AGENCY JICA	Use or Issue	Paramakudi Tank, Paramakudi Tank Cross Sections of Bund
	Scale	1 : 100
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	Drawn by	10-4-1972
	Checked by	

NO. 11700 OF
6.11.73



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புள்ளி

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NO. 11700 OF
6.11.73



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NO. 11700 OF
6.11.73

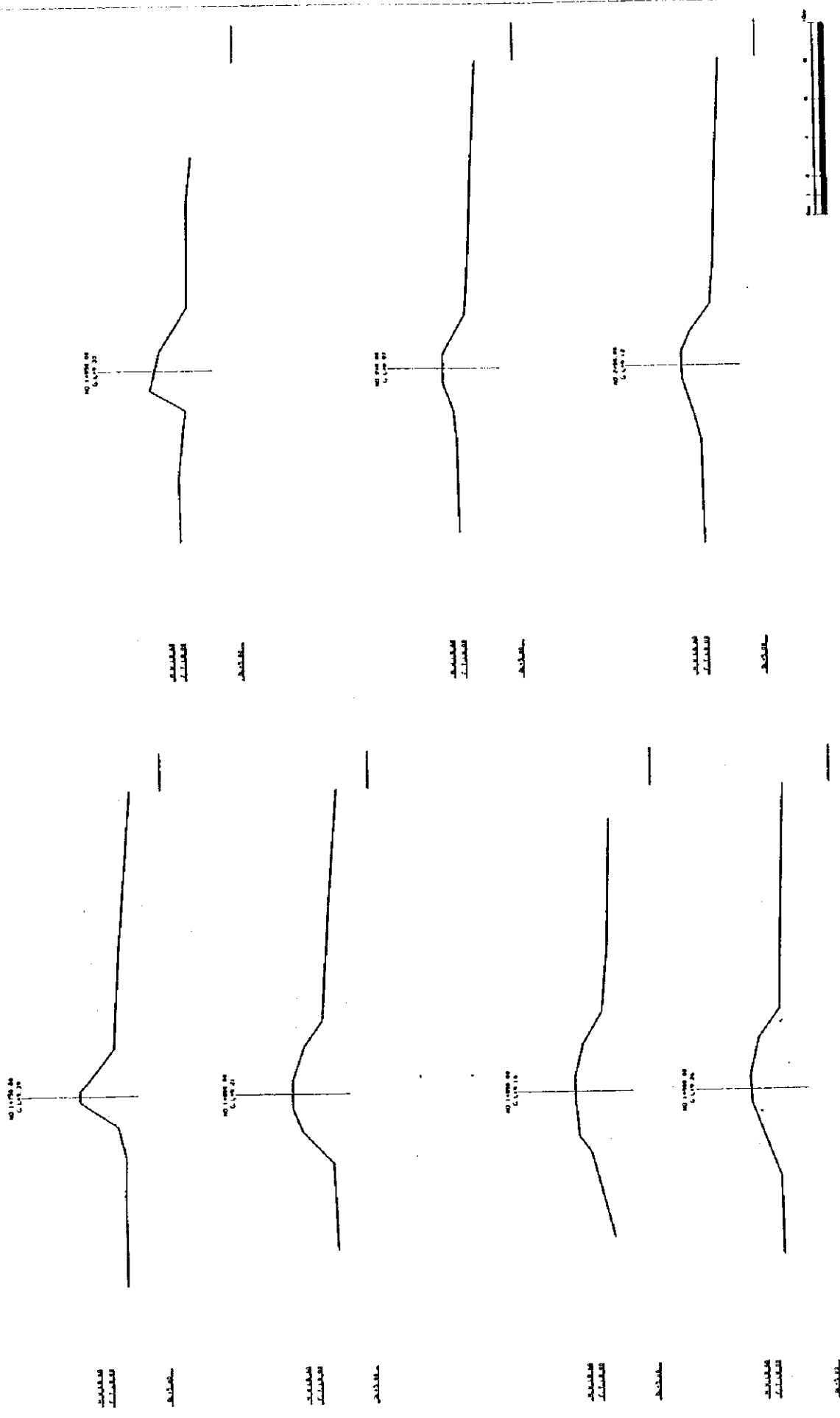


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புள்ளி

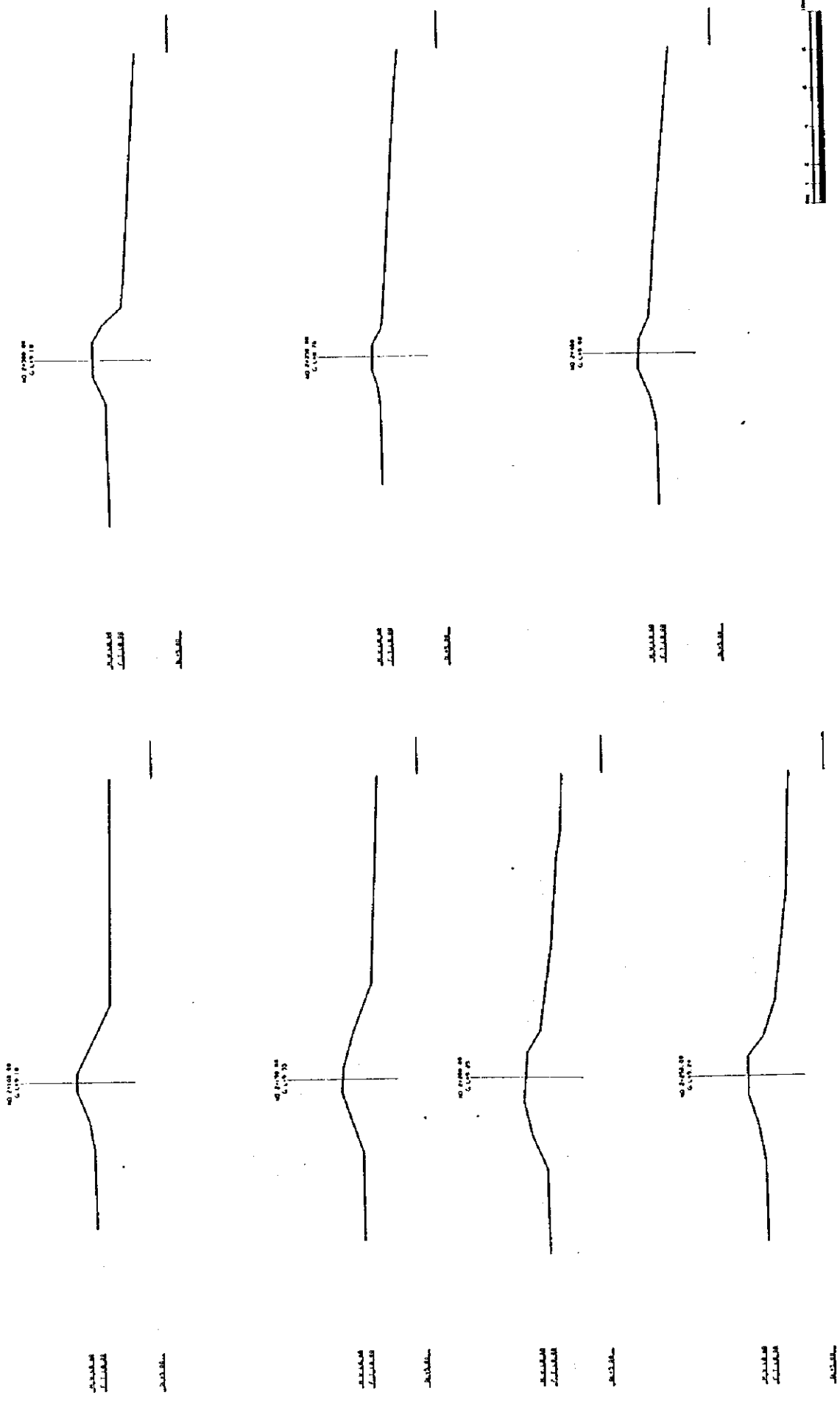
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JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Pandiannan Tank, Perambakudi Taluk Cross Sections of Bund	
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU		Scale : 1 : 100	Drawing No. : 10-41 (5/9)
Prepared by :	Checked by :	Drawn by :	Approved by :

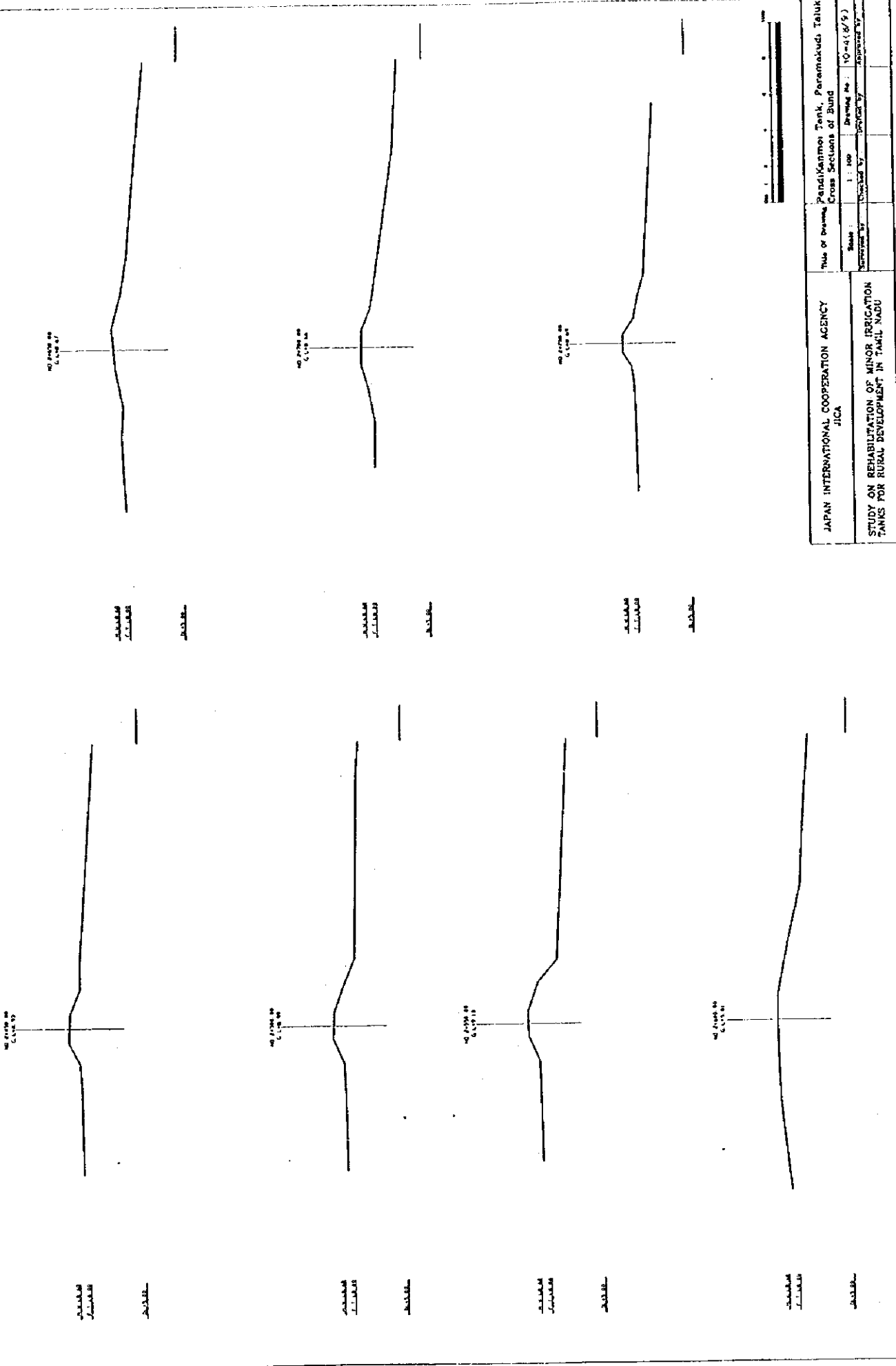


JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Title of Drawing: PundiKanmai Tank, Peremakudi, Taluk Ponda Sections of Bund	
Scale: 1:100	Drawing No: 2-17/7	Checked by:	Approved by:

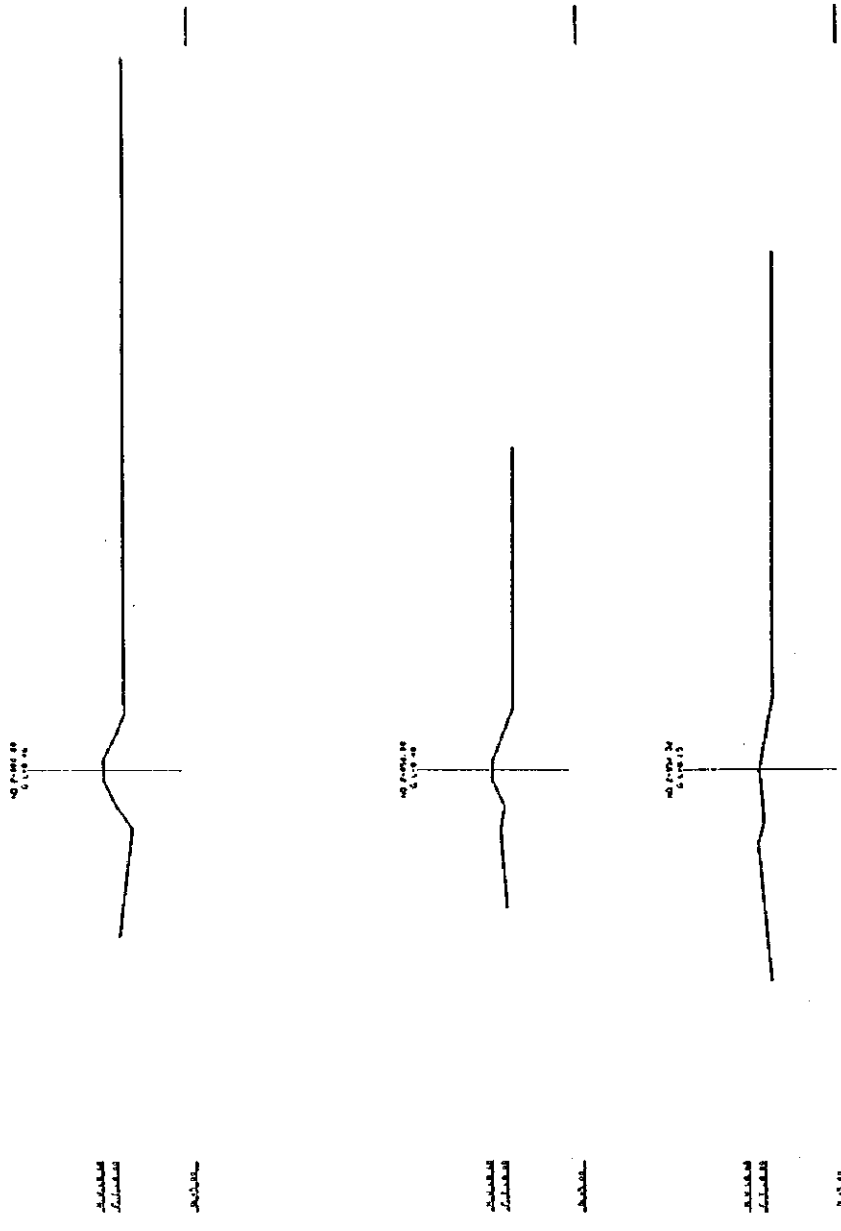


JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Pandikemon Tank, Paramasudi Taluk Cross Sections of Sudd	
Title of Work:	Scale:	Drawing No:	Date:
Checked by:	1:100	17-417/9	1955/02/10
Drawn by:	1955/02/10	1955/02/10	1955/02/10

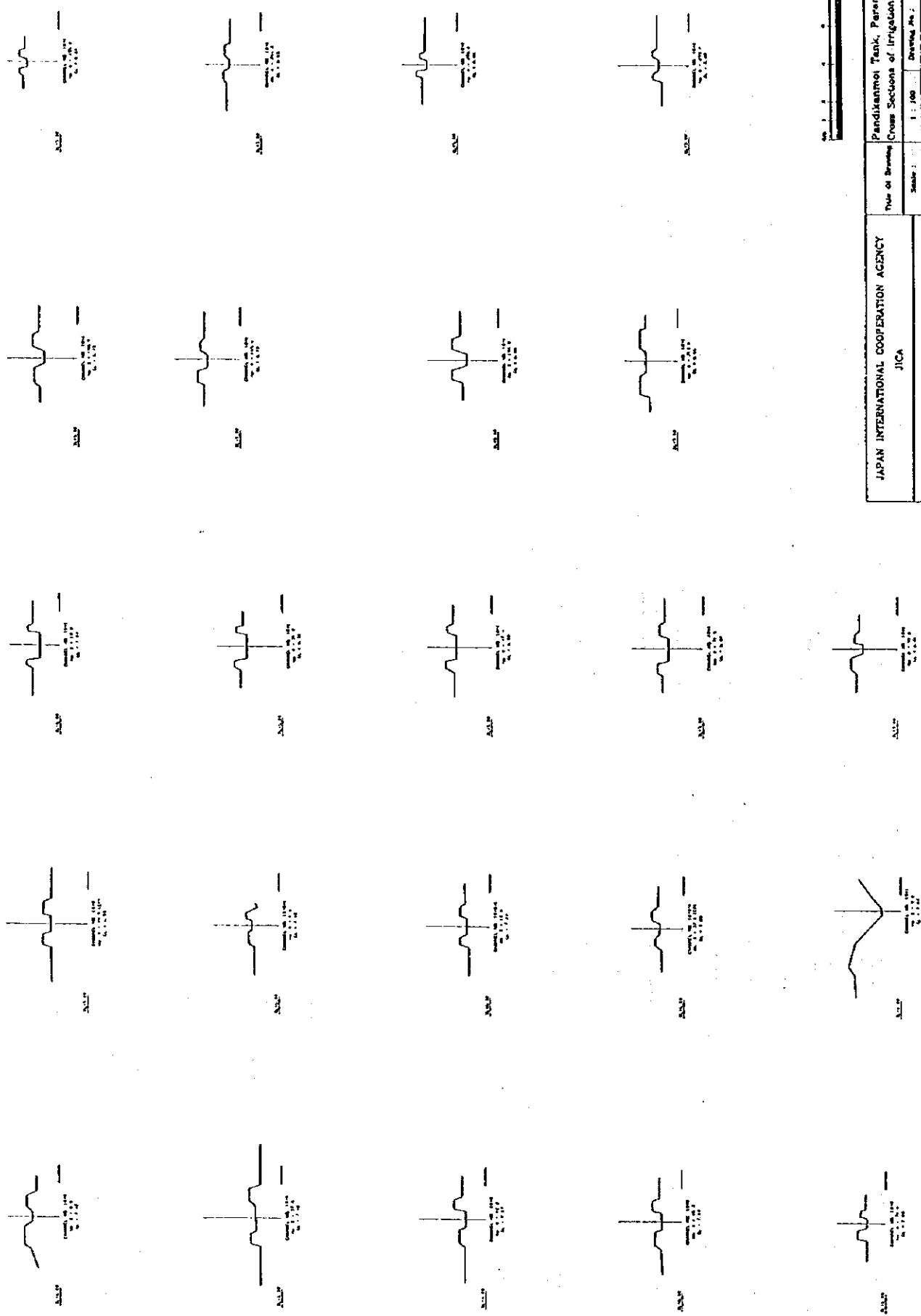




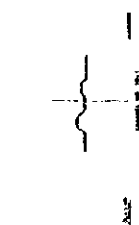
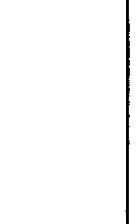
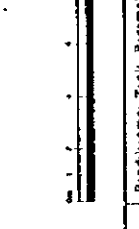
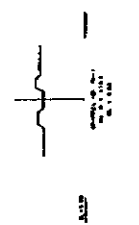
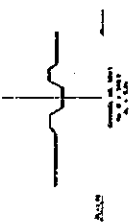
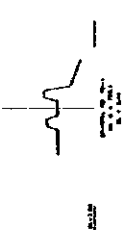
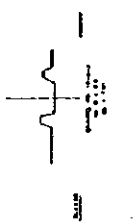
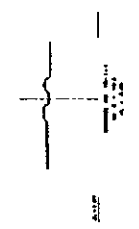
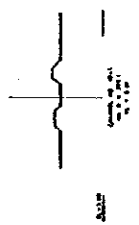
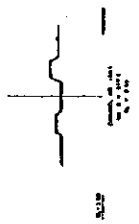
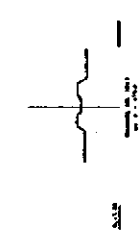
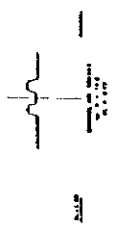
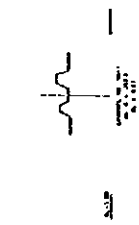
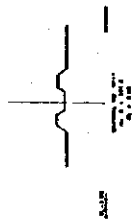
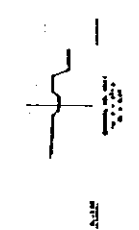
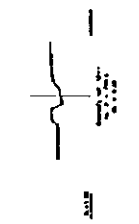
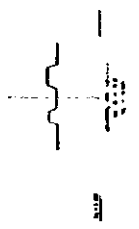
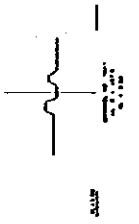
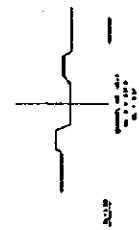
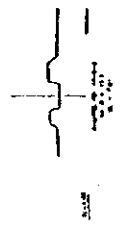
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	Scale: 1 : 100 Drawing No.: 10-4(4/9) Checked by: Drawn by:
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TANAL NABU	Approved by:



JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Title or Section: PendiKannoi Tank, Paramakudi Taluk Cross Sections of Bund
Scale: 1 : 100	Drawing No.: 10-4-19/3	Prepared by: Checked by: Approved by:
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU		



JICA JAPAN INTERNATIONAL COOPERATION AGENCY	
Title of Drawing: Pandisamoi Tank, Peremakudh Tank Cross Sections of Irrigation Channels	Drawing No.: 10-45 (1/4) Checked by: [Signature] Approved by: [Signature]
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	



JICA		JICA	
JAPAN INTERNATIONAL COOPERATION AGENCY		JICA	
STUDY ON REHABILITATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU		STUDY ON REHABILITATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU	
Puducherry, Tamil Nadu, India		Puducherry, Tamil Nadu, India	
Scale: 1 : 100		Scale: 1 : 100	
Drawing No: 1C-5 (2/8)		Drawing No: 1C-5 (2/8)	
Checked by: [Signature]		Checked by: [Signature]	
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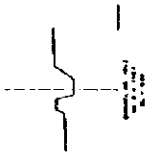


Figure 1

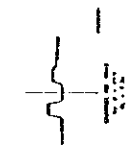


Figure 2



Figure 3



Figure 4

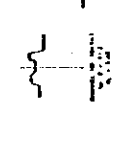


Figure 5



Figure 6



Figure 7



Figure 8

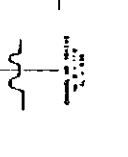


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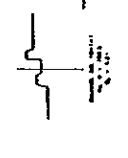


Figure 10



Figure 11

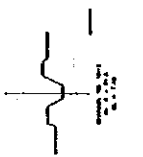


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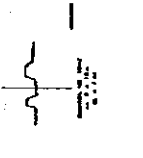


Figure 13



Figure 14

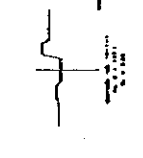


Figure 15



Figure 16



Figure 17

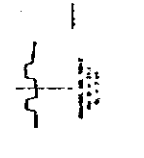


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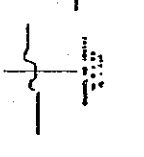


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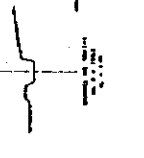
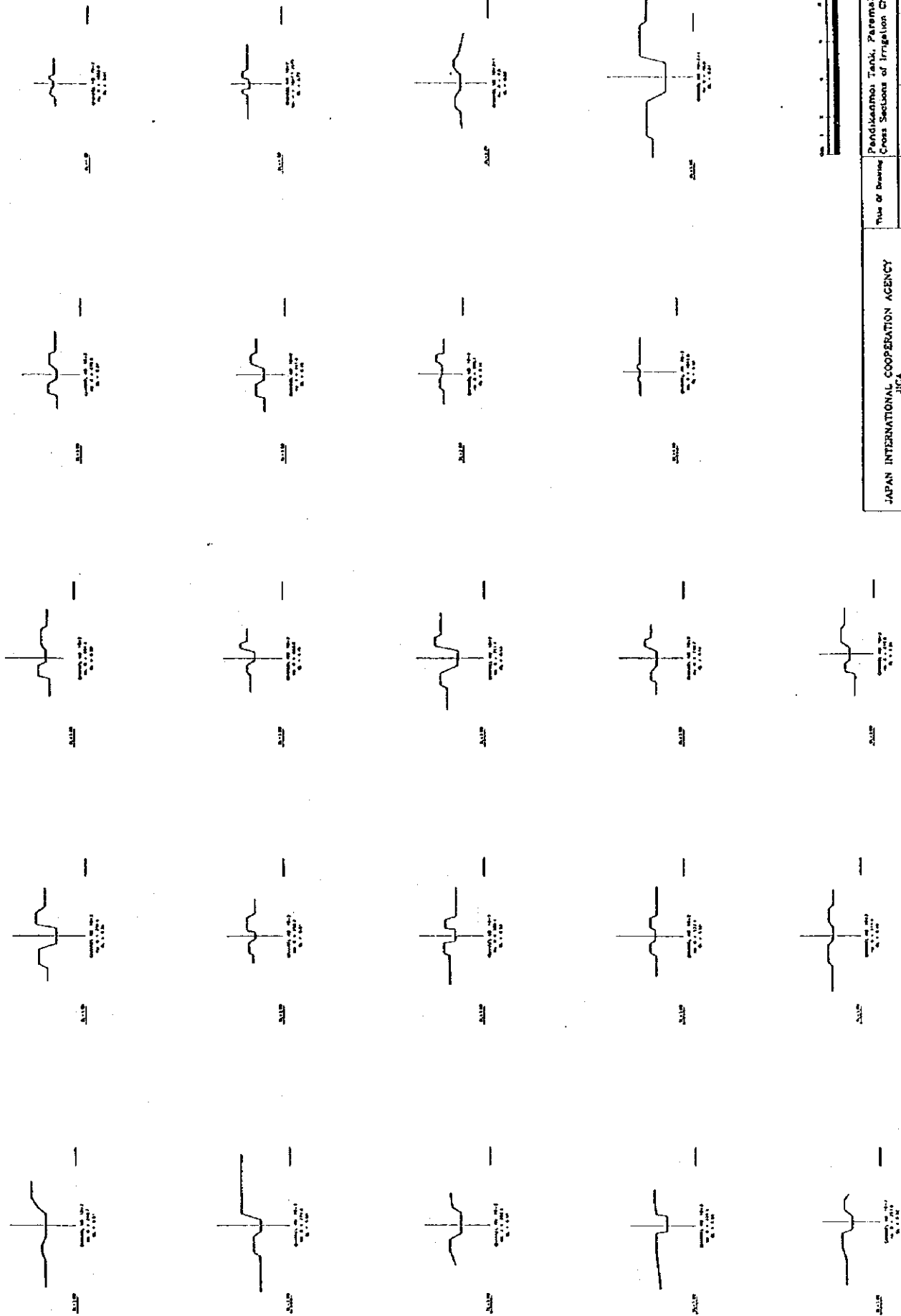


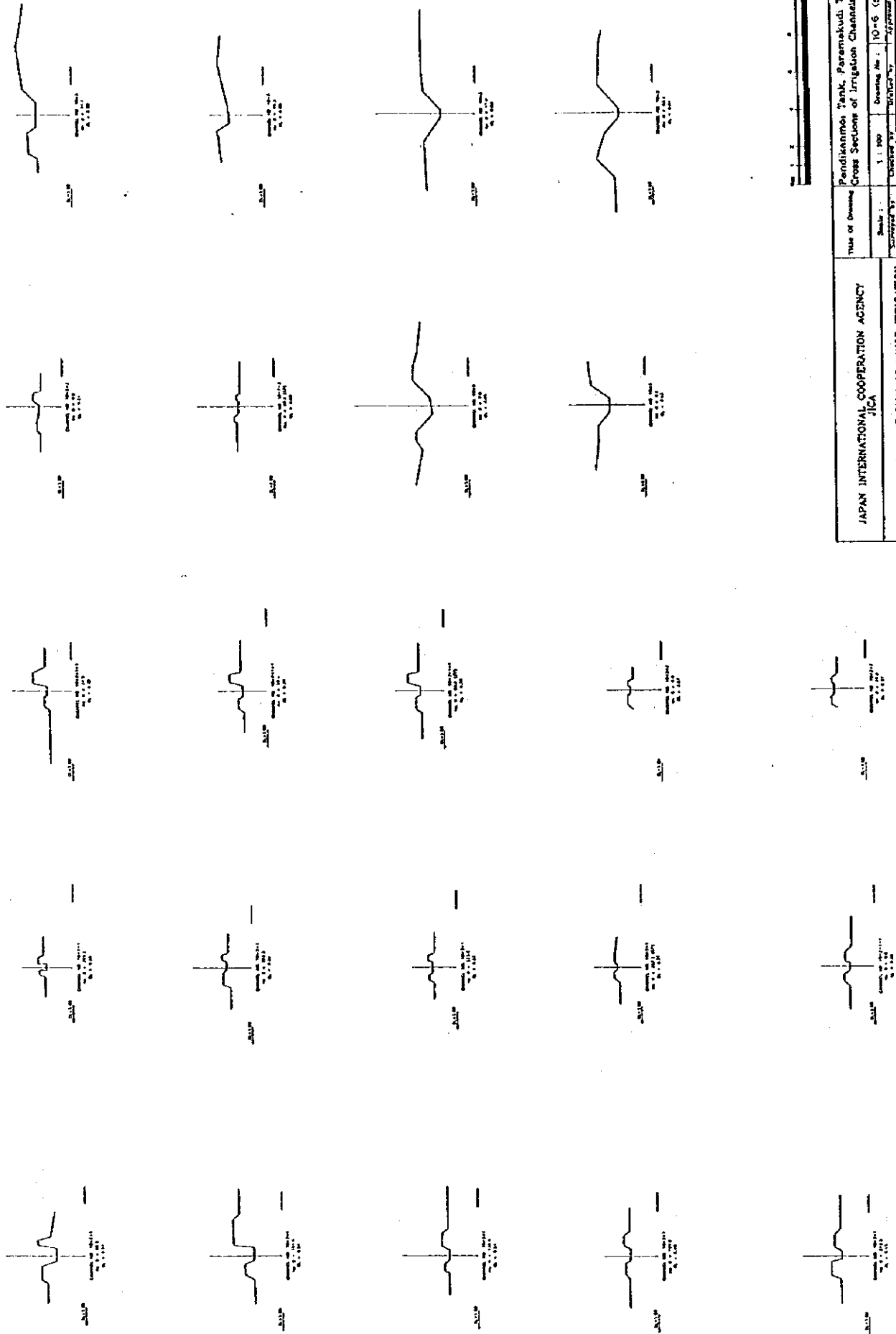
Figure 20



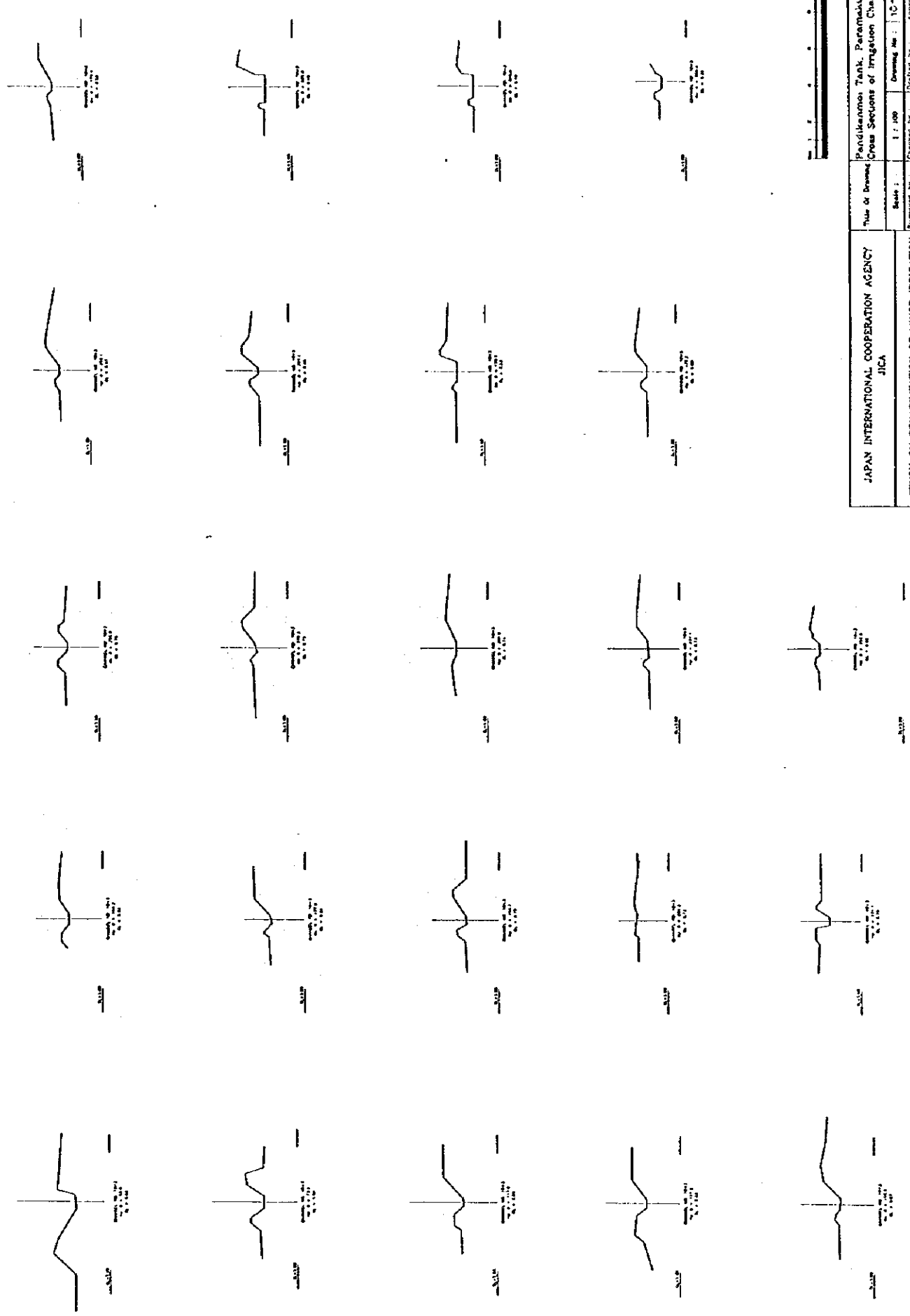
JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Title: Perdikampai Tank, Permatasari Tabuk Cross Section of Irrigation Channels
No. of Sheets: 1 : 100	Drawing No.: IO-G (3/0)	Checked by: [Signature] Approved by: [Signature]
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU		



<p>JAPAN INTERNATIONAL COOPERATION AGENCY JICA</p> <p>STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU</p>		<p>Pandikantol Tank, Pattanamudi Taluk Cross Sections of Irrigation Channels</p>	
<p>Title of Drawing</p>	<p>Scale : 1 : 100</p>	<p>Drawing No. : 10-5 (4/8)</p>	<p>Checked By : _____ Approved By : _____</p>



JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Pendikannya, Tank, Paramakudi, Teluk Cross Sections of Irrigation Channels	
Title of Drawing:		Drawing No.: 10-6 (S/M)	
Scale: 1 : 100		Checked by:	
Drawn by:		Approved by:	
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU			



JAPAN INTERNATIONAL COOPERATION AGENCY JICA		Title of Drawing: Pandikemoi Tank, Paramahudi Teiua Cross Sections of Irrigation Channels
Scale: 1 : 100	Drawing No: 10-05 (A/B)	Project No: 10000000000000000000
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU		



Scale 1 : 100



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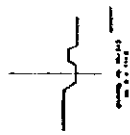
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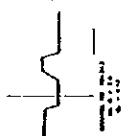
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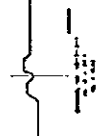
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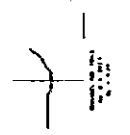
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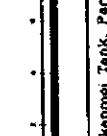
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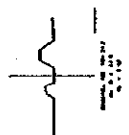
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Cross Sections of Irrigation Channels

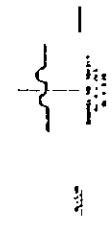
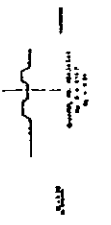
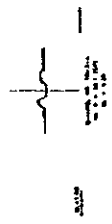
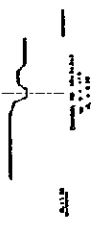
JICA
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

Scale 1 : 100

Drawing No : 10-5 (1/8)

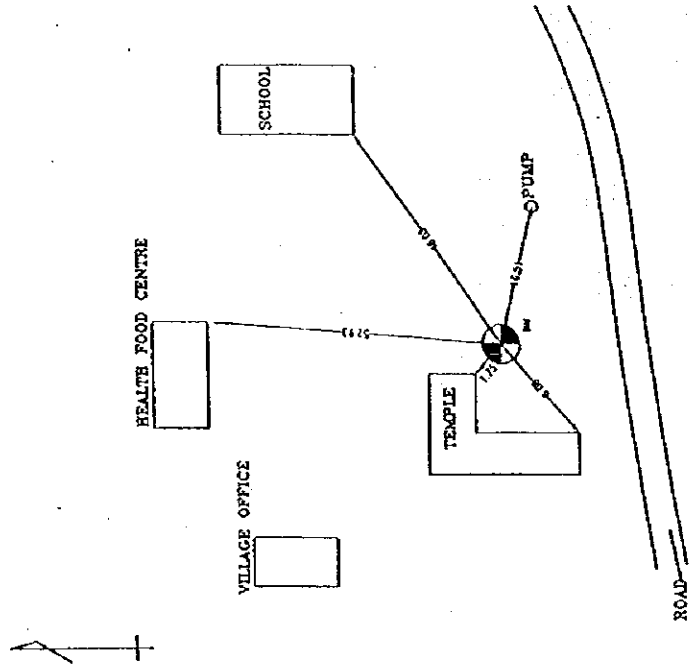
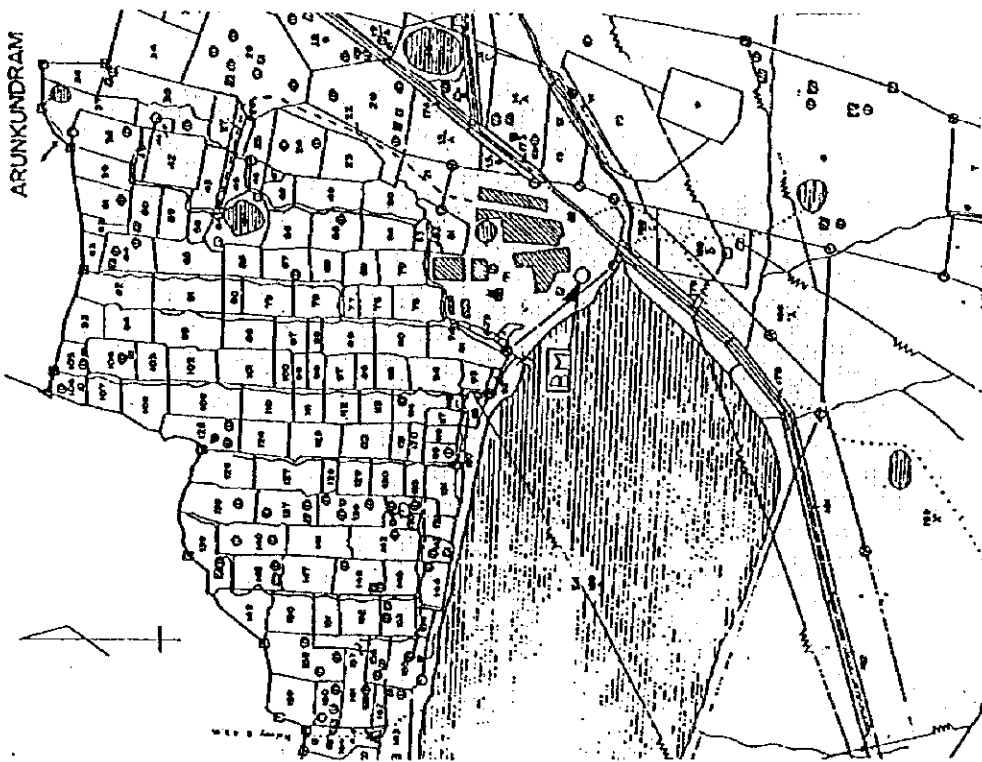
Checked by : _____

Approved by : _____



JAPAN INTERNATIONAL COOPERATION AGENCY JICA STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	Title of Drawing: Pandikenthoi Tank, Paramasudi Tank Cross Sections of Irrigation Channels
	Scale: 1 : 100 Drawing No.: NC-6 (1970)
Checked by: _____ Drawn by: _____ Approved by: _____	Date: _____ Checked by: _____ Drawn by: _____ Approved by: _____

No.145
ARUNKUNDRAM



CONORUM TANK, CHINCHUPET TALUK
BENCH MARK LOCATION

JAPANESE INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

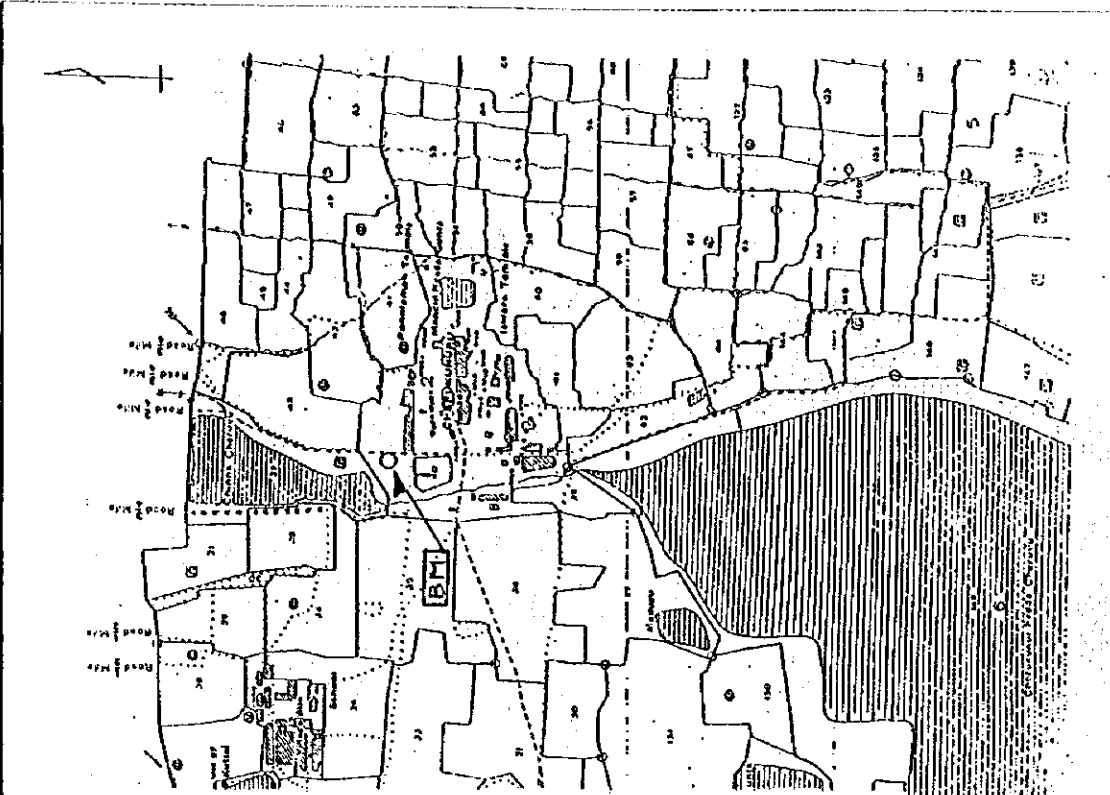
M = 21,565



ECHUR

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

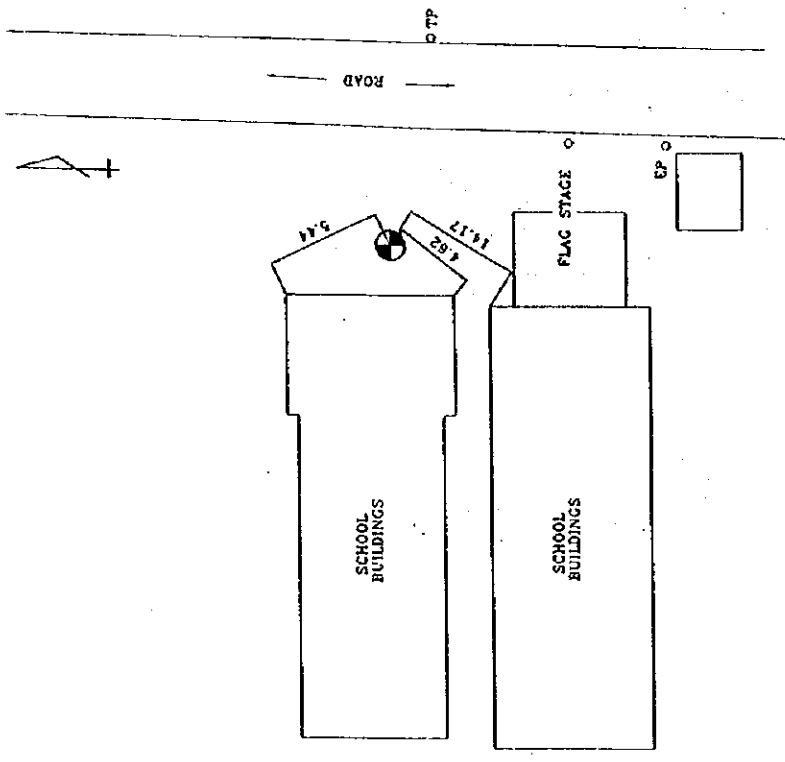
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TANZANIA



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY ON REGULATION OF LAND ACQUISITION TAXES FOR RURAL DEVELOPMENT IN TAMIL NADU

CHERUKALUR TALUK, TIRUPHANI TALUK
 BENCH MARK LOCATION

K = 107.797

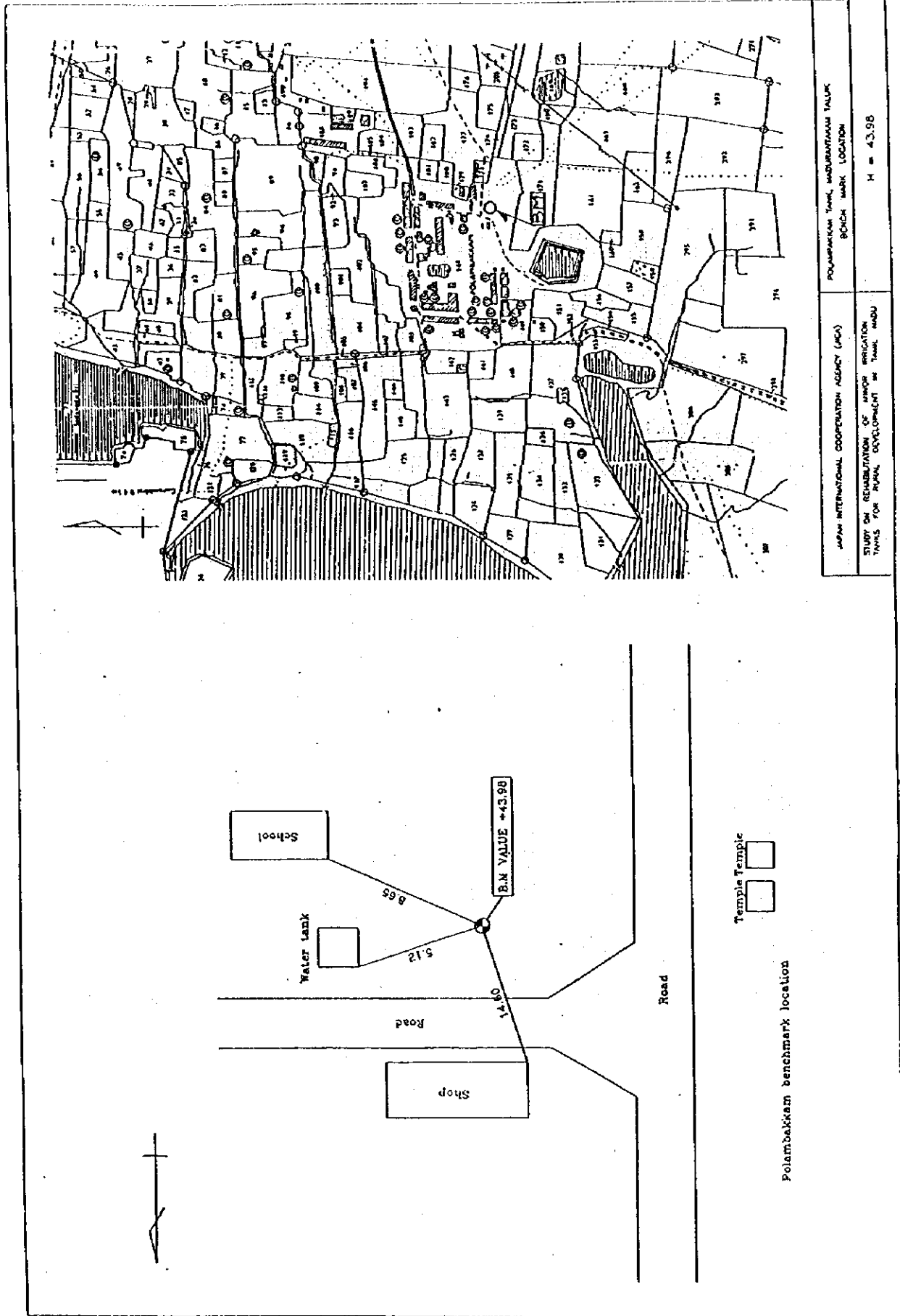




CHERUKKANUR

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

STUDY ON REHABILITATION OF MAJOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

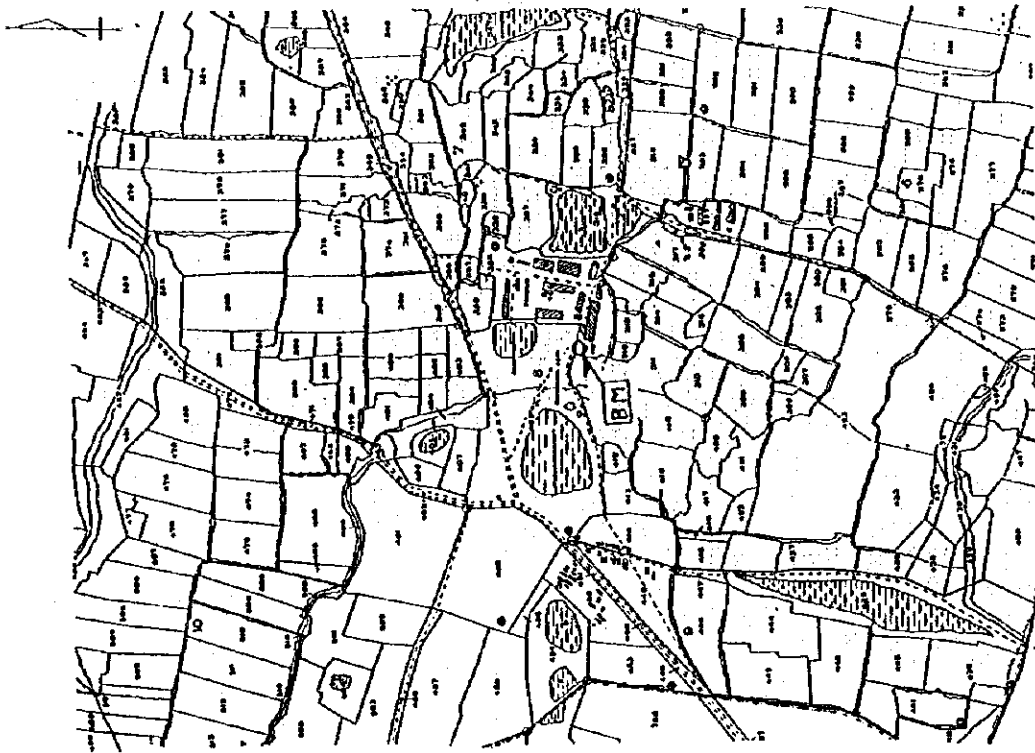




JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

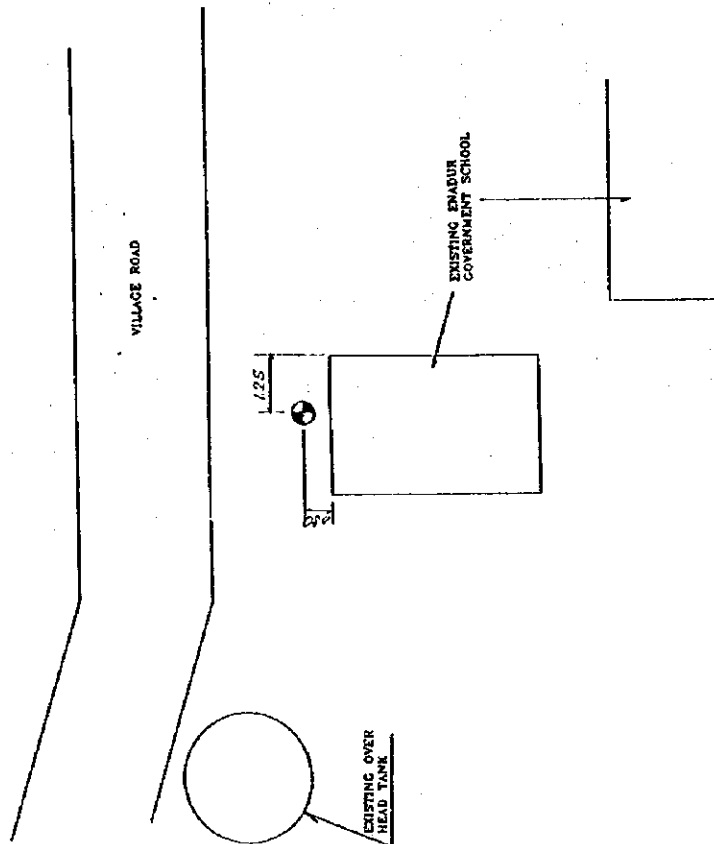
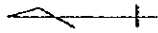
POLAMBAKKAM



EMDOR BRG TANK, KANCHIPURAM TALUK
BENCH MARK LOCATION

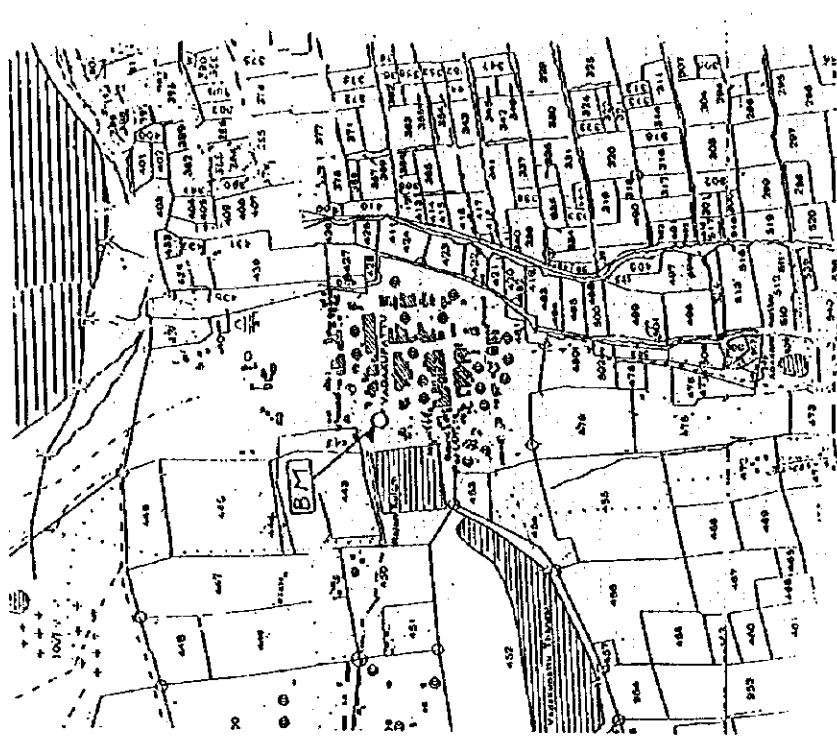
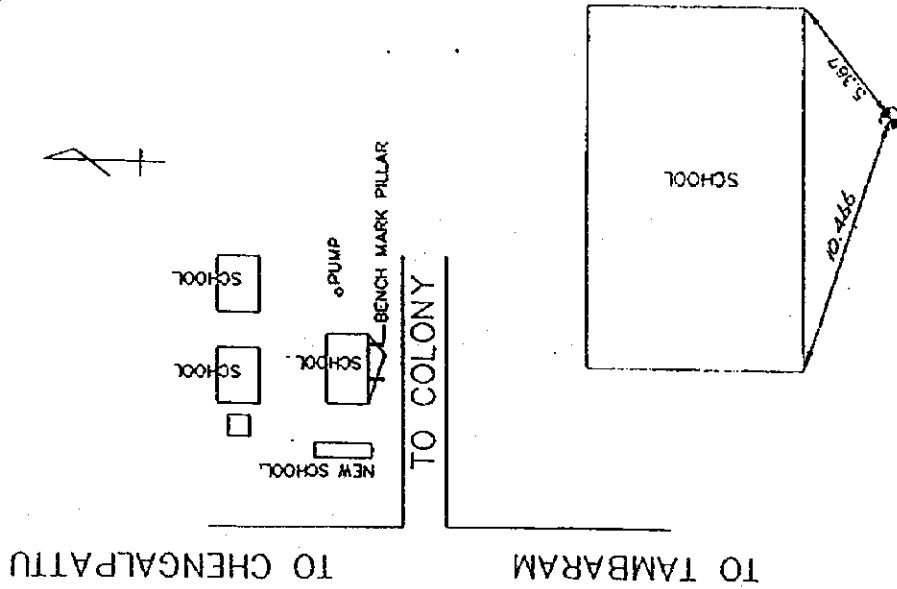
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

N = 45,915m



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

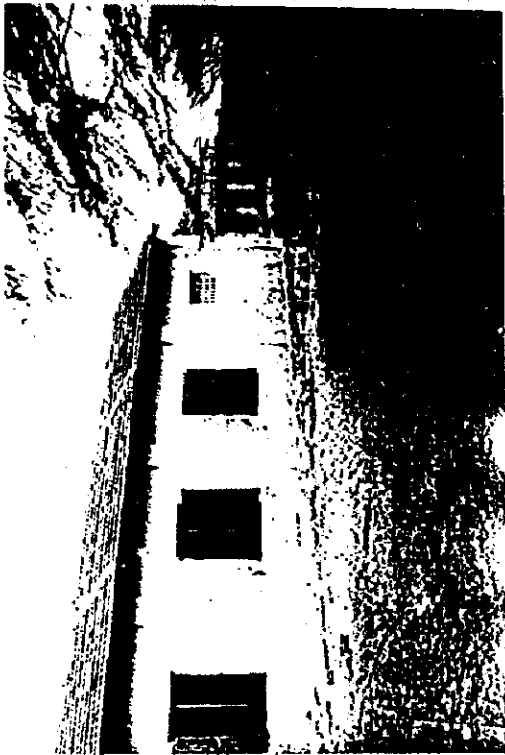
STUDY ON REHABILITATION OF AMHAR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY ON REHABILITATION OF MINOR IRRIGATION
 TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

VADUGUPATTU TANK, SEMPURAMPUR TALUK
 BENCH MARK LOCATION

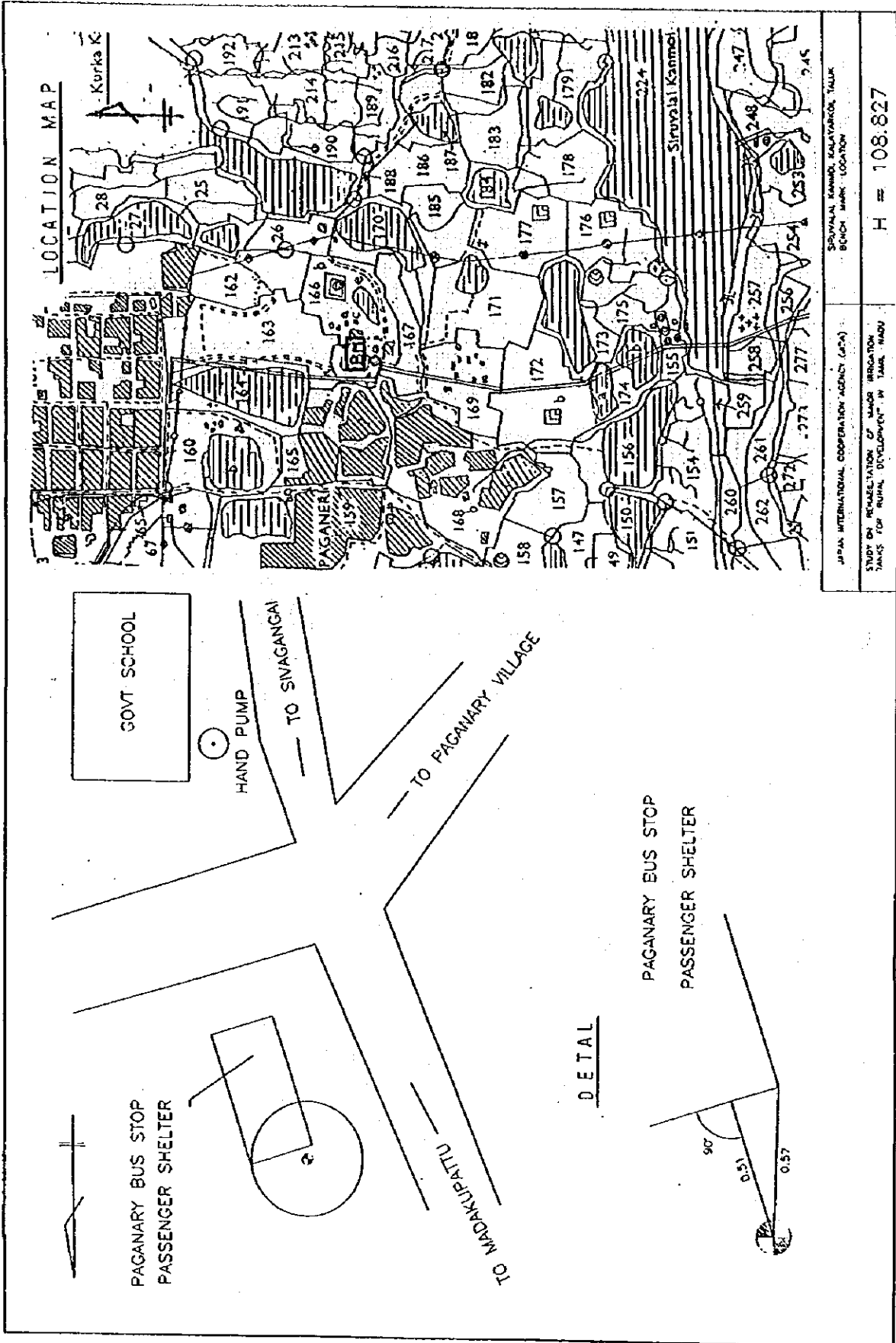
H = 447.292



VADAKKUPATTU

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

STUDY ON REHABILITATION OF RURAL IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

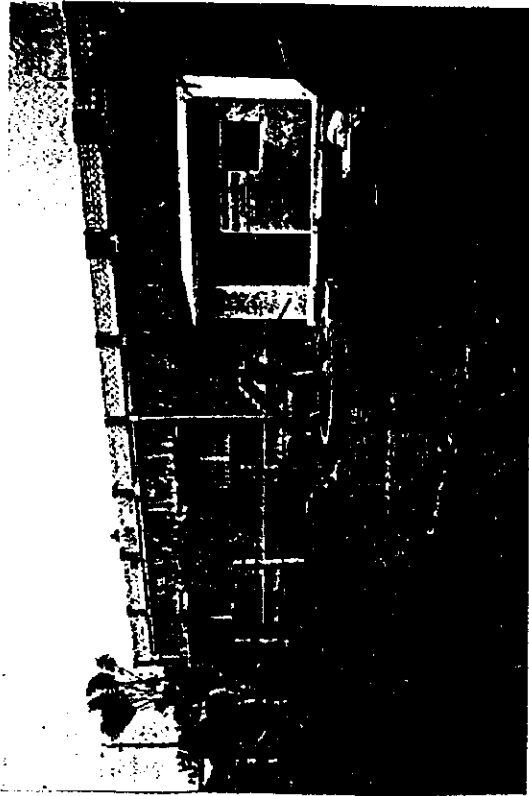


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY ON REHABILITATION OF MAJOR IRRIGATION
 CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU

SIVAPAL KAMMELI, KALAYARODU, TALUK
 SITE NO. 108.827

H = 108.827

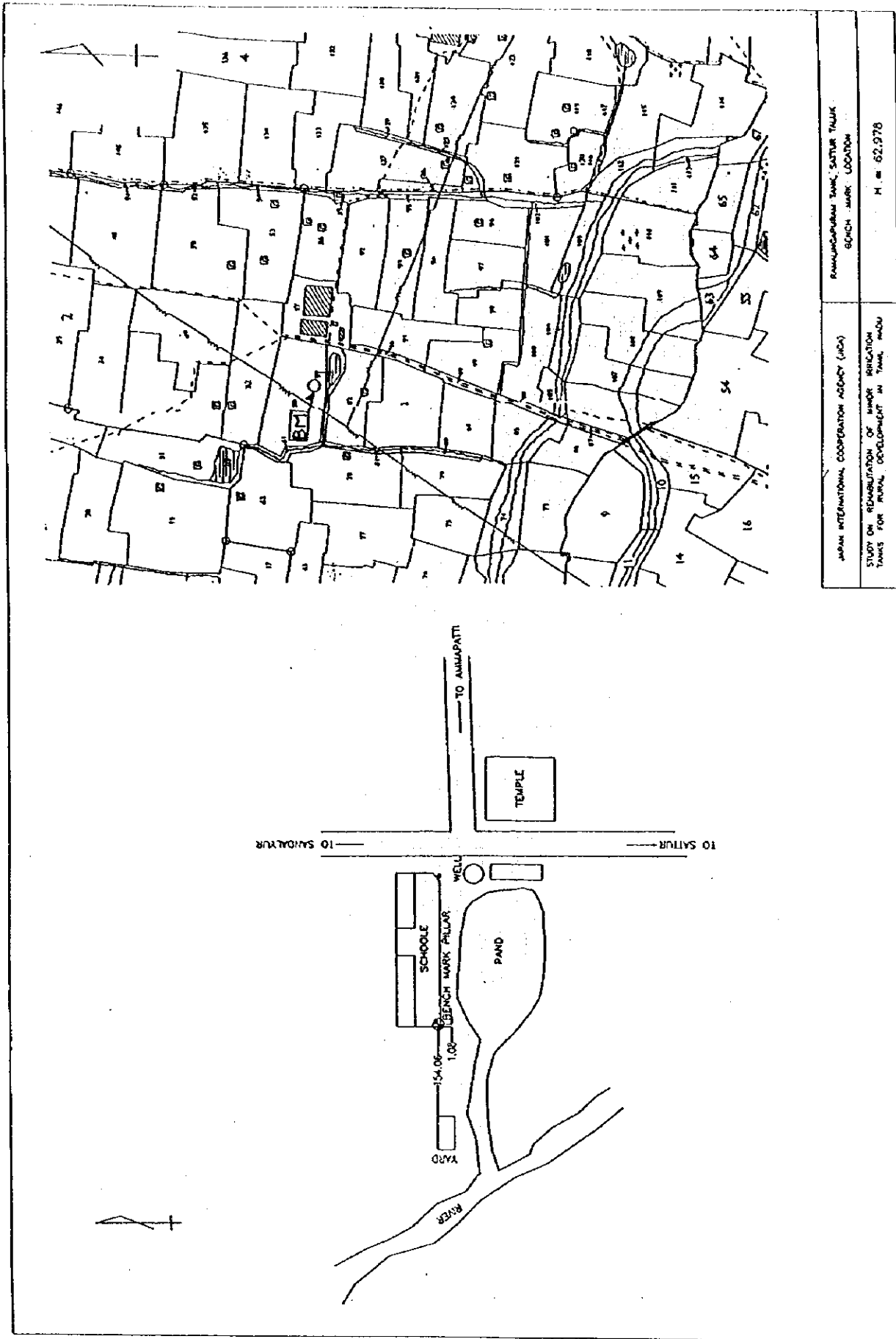
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY ON REHABILITATION OF MAJOR IRRIGATION
SYSTEMS FOR RURAL DEVELOPMENT IN THAILAND



KURUMBI

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

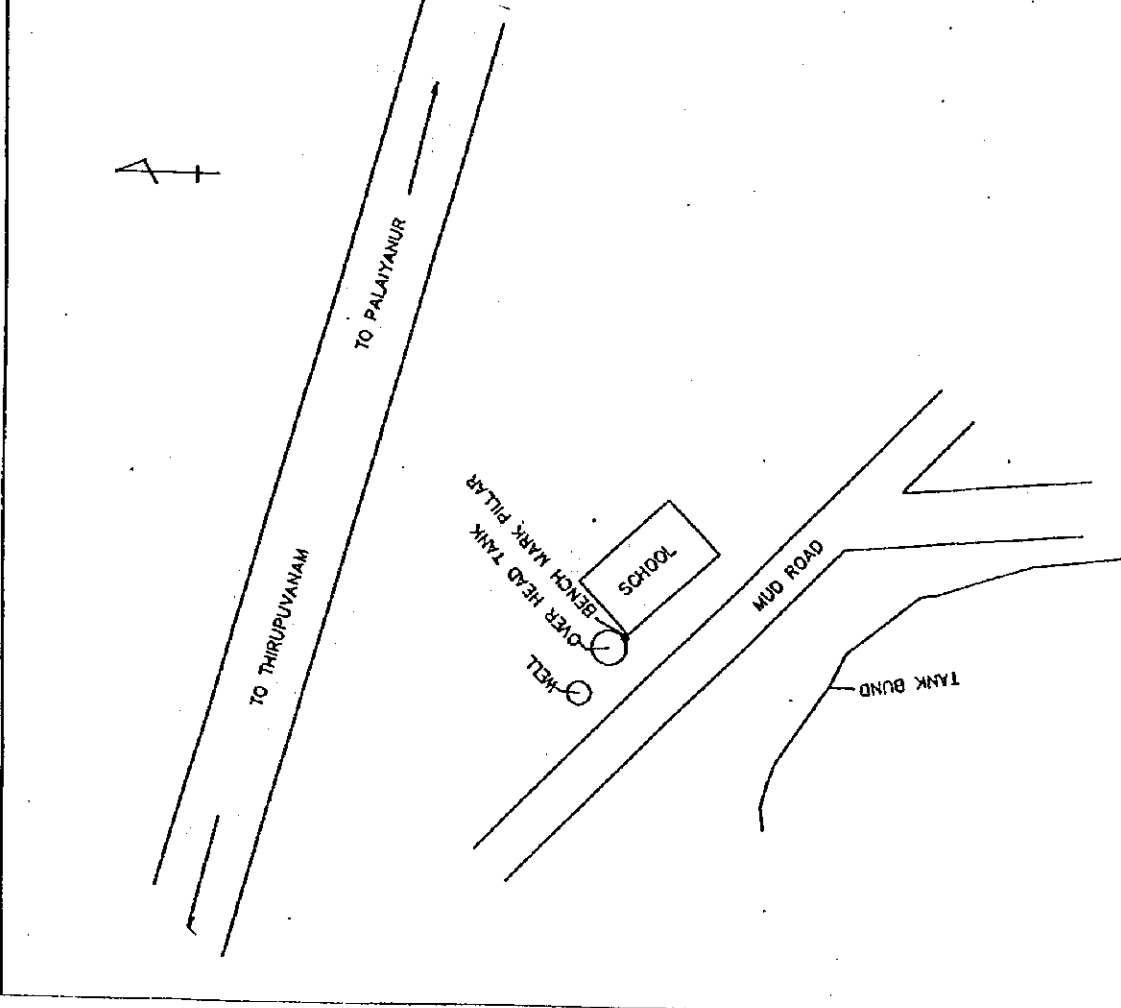
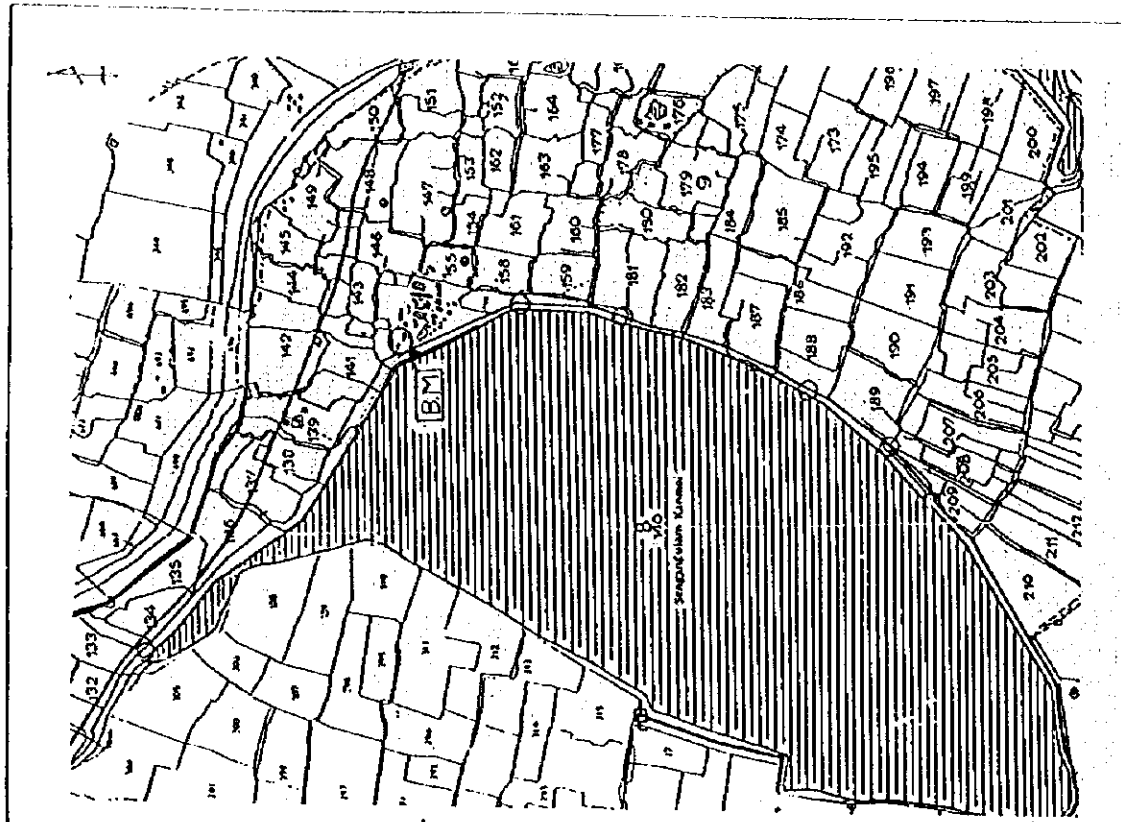
STUDY ON REGULATION OF MINOR IRRIGATION
TOWNS FOR RURAL DEVELOPMENT IN TAMIL NADU



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 POMMURUBAM TANK, SATTUR TALUK, SICHICH - MARK LOCATION
 STUDY ON REHABILITATION OF MAJOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU
 H. N. 62.978

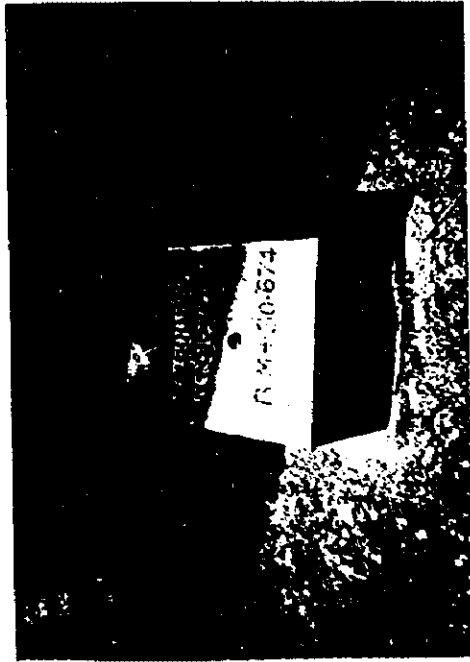
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

STUDY ON REGENERATION OF MINOR WATERSHED
BASINS FOR RURAL DEVELOPMENT IN THAILAND



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 SANKUNILAM TANK, HANAMADURAI, TALUK
 BENCH MARK LOCATION

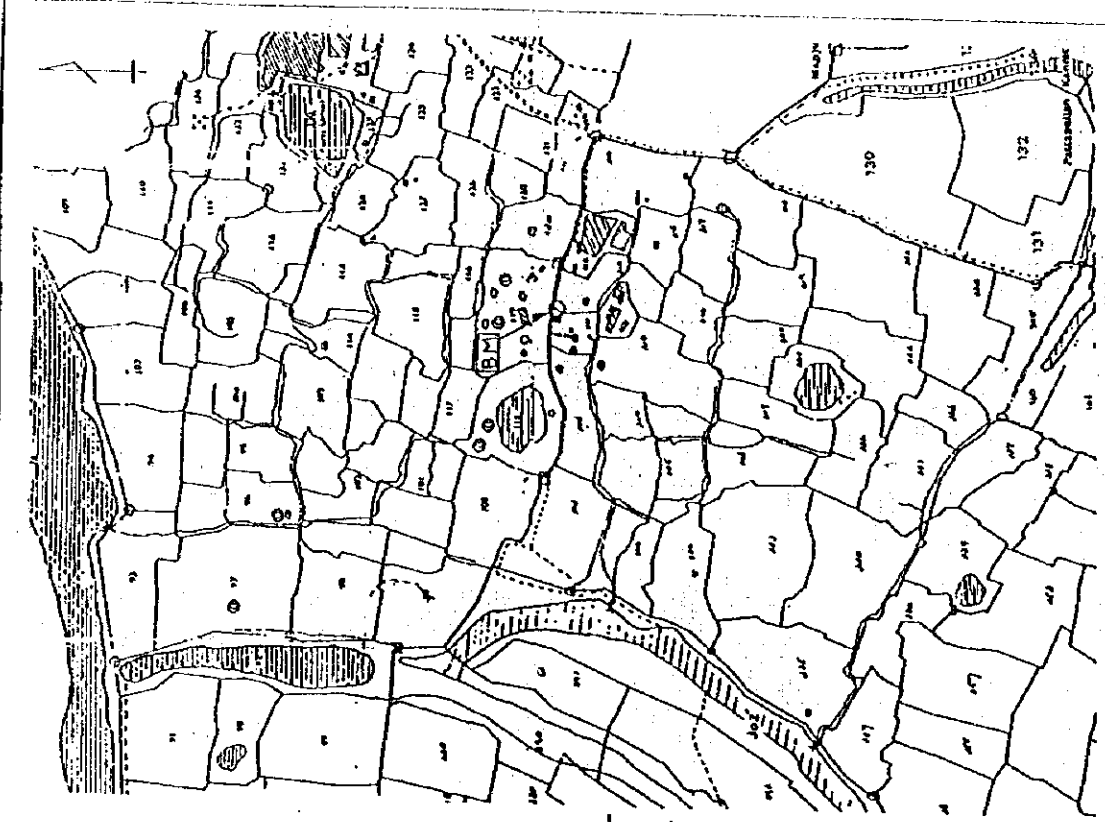
STUDY ON REHABILITATION OF MINOR IRRIGATION
 TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU
 H M-30.674



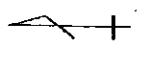
SENGANGULAM

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

STUDY ON REHABILITATION OF MINOR IRRIGATION
TANKS FOR RURAL DEVELOPMENT IN TANALAKA



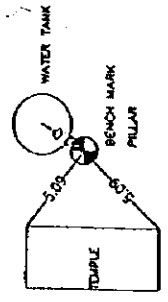
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) PAKH SAHAI TANK, PAKHSAHAI TALUK
 STUDY ON REGULATION OF MAJOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMAL PADDY
 BENCH MARK LOCATION
 M = 7.132



TO LAKE

15 FEET ROAD

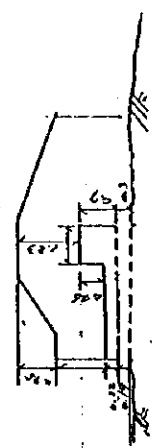
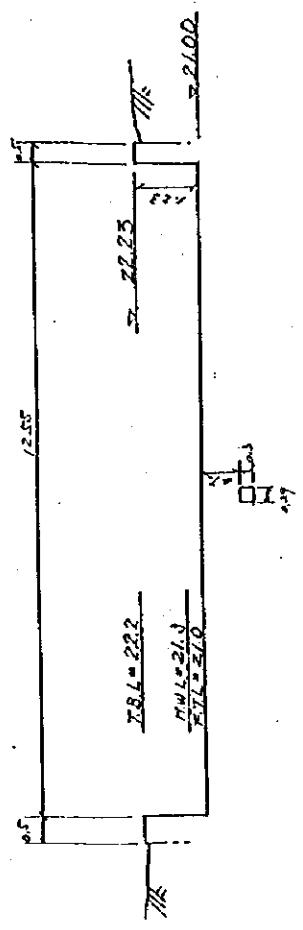
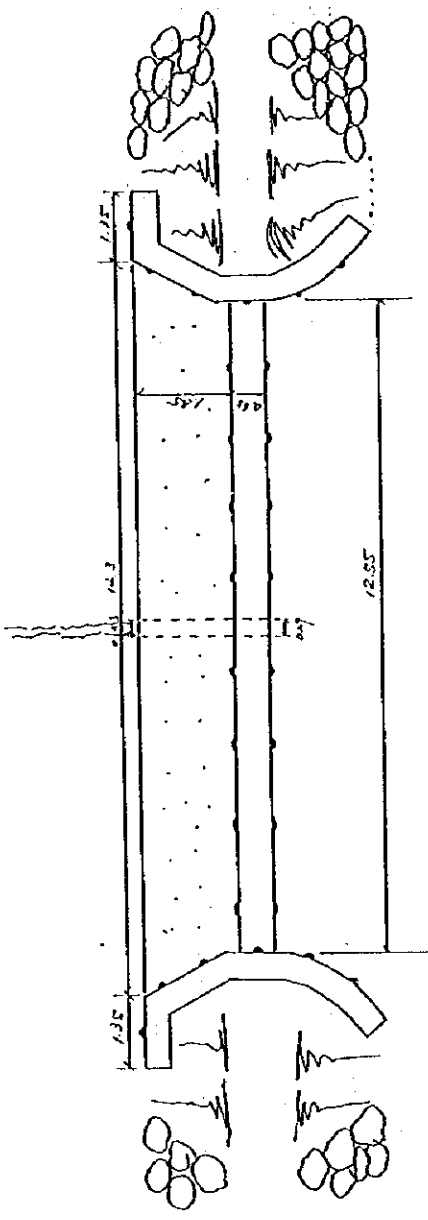
TO MALLUR



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

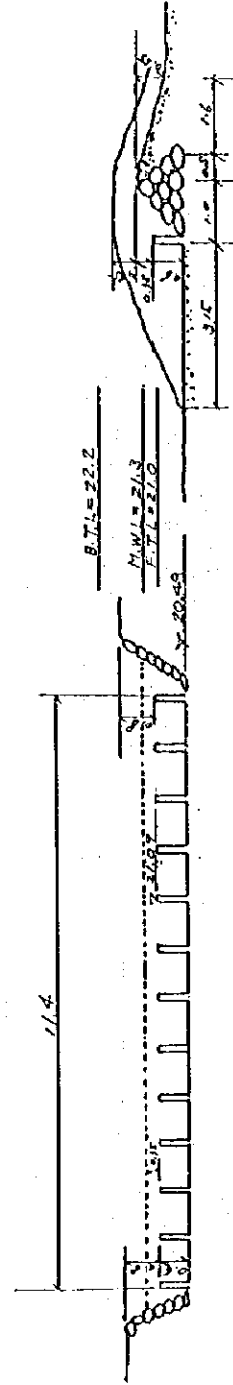
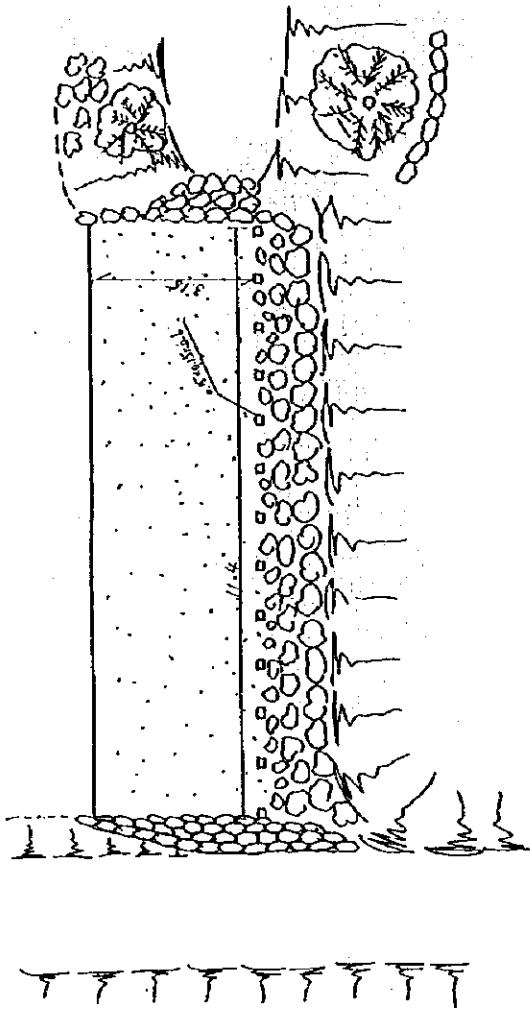
STUDY ON REHABILITATION OF JUNIOR BRICKWORK
TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU

1:100

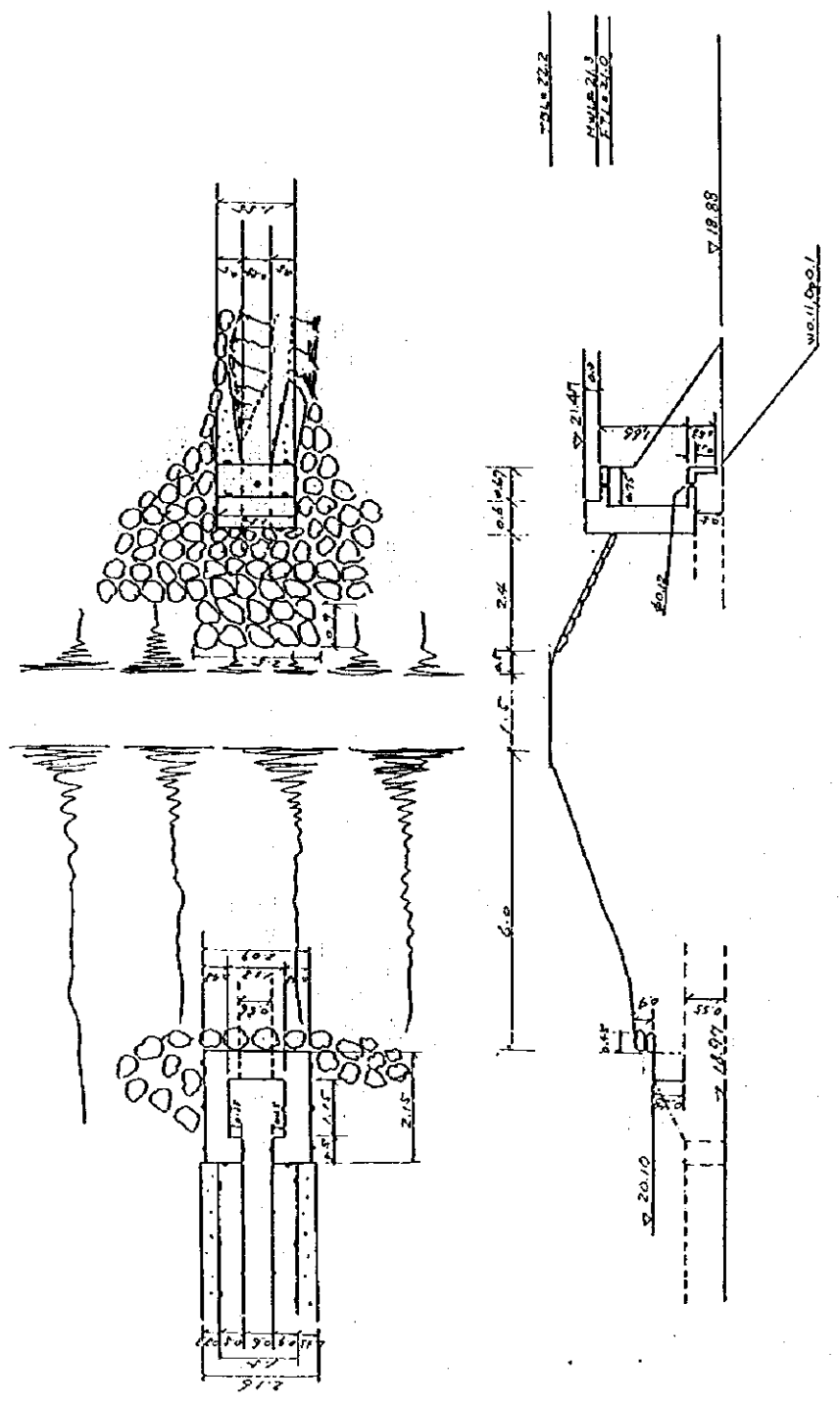


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	ECUJIA TANKAREA	WEIR 1-1
IN REDEMPTION OF MINOR BRIBERY TAXES FOR RURAL DEVELOPMENT IN TANZANIA	STA 0+22.27 - 25.72	X Y 1530 97
		H 21.00

Echut Weir 1-2

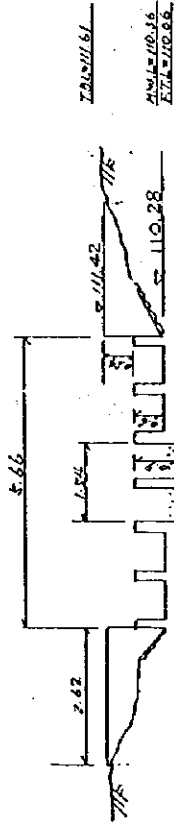
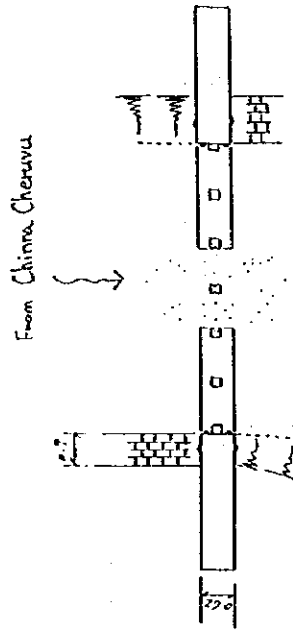


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	ECHUTANKAREA		Weir 1-2	
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TANZANIA	STA	X	Y	H
	1+728.07	1524.29	146.59	21.07



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		ECHIKUTANKA AREA		Slice 1-1	
DEPARTMENT OF LANDS, INFRASTRUCTURE AND CONSTRUCTION		ST. A		X	Y
PROJECT NO. 890-03		1482.96		19.88	

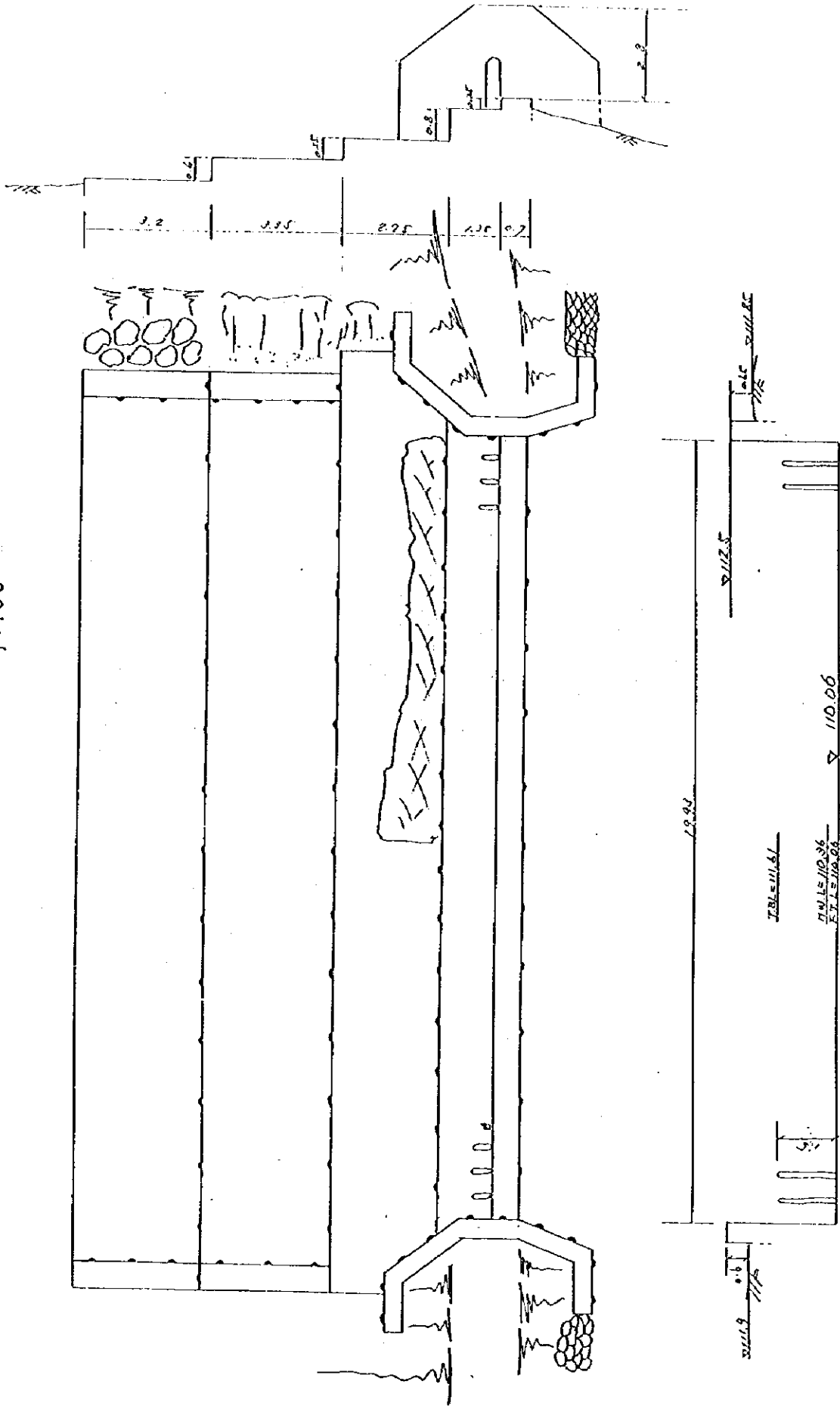
1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) FOR ADOPTION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	CHERUKANUR BIG TANK AREA				Nier 2-1	
	STA 0+0	X 111.54	Y 1872.74	Z 110.28	H	

Chenkunur Wier 2-2

1:100



19.93

0.12.5

TBL=11.61

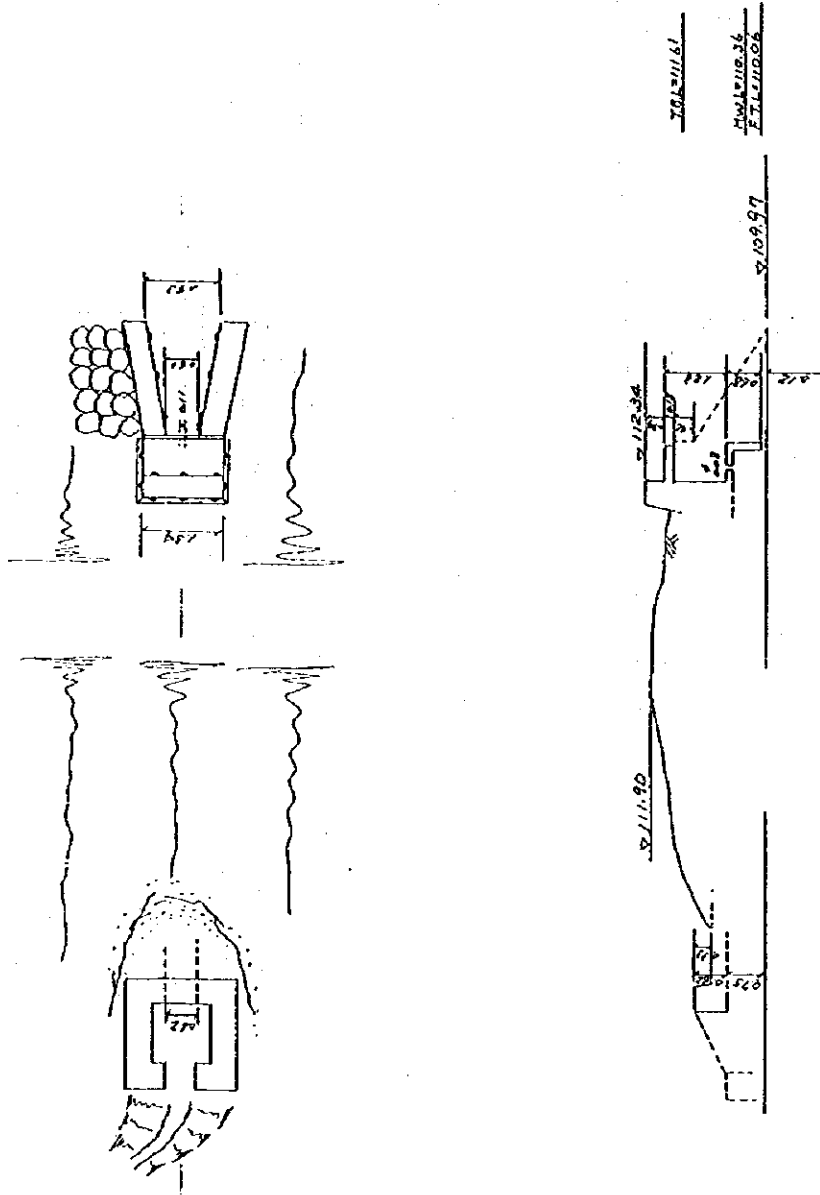
DNLS=10.36
EYLE=10.00

110.06

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CHENKUNUR BIC TANK AREA				Wier 2-2	
	STA	K	Y	H		
	1443/00	757.84	738.01	110.06		

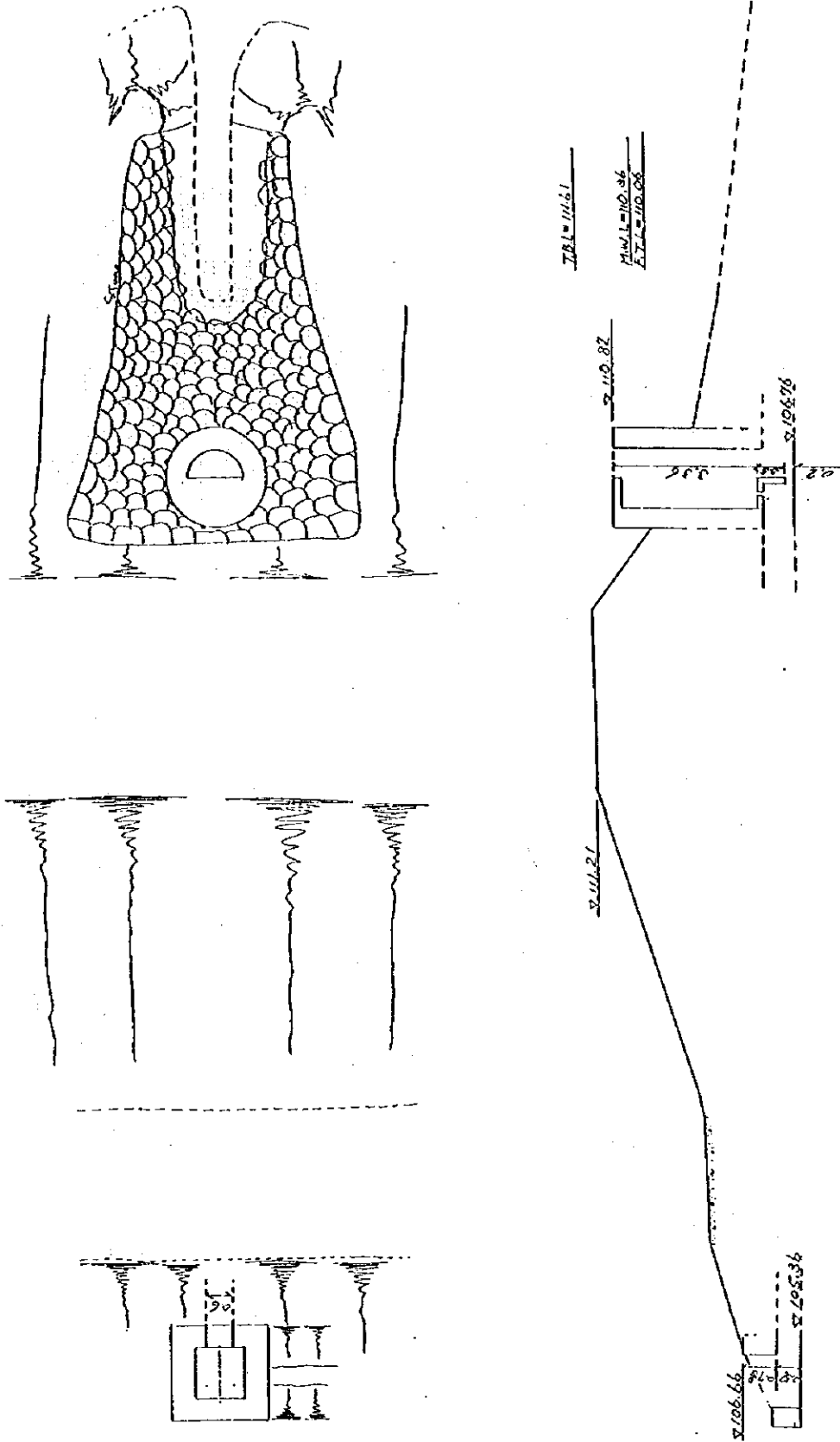
Cherukunur Sluice 2-1

1:100



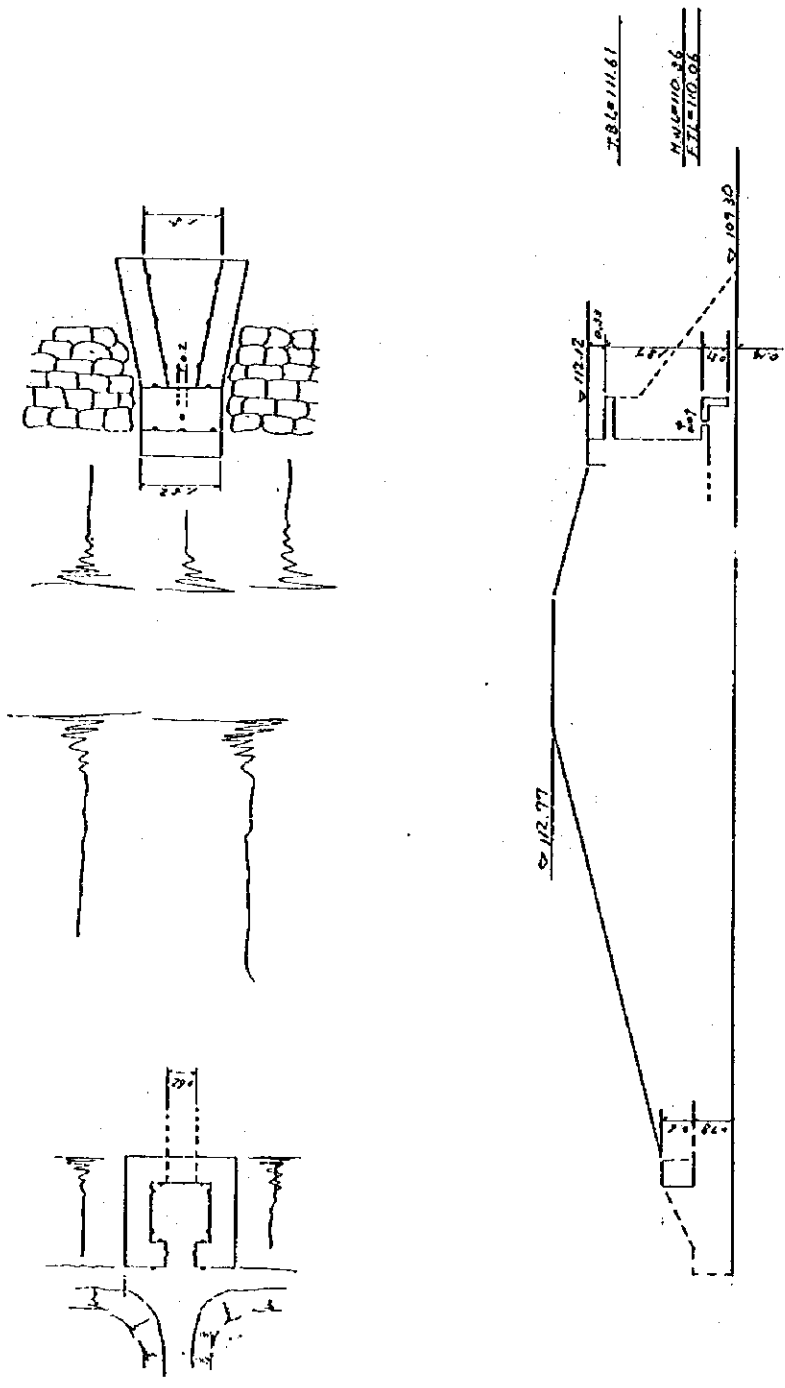
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CHERUKUNUR BIG TANK AREA				Sluice 2-1		
REQUISITION OF MAJOR EQUIPMENT FOR RURAL DEVELOPMENT IN TAMIL NADU	STA.	X	Y	H			
	0+1192	119.05	1857.61	109.97			

Cheruvu Slice 2-2
 1100



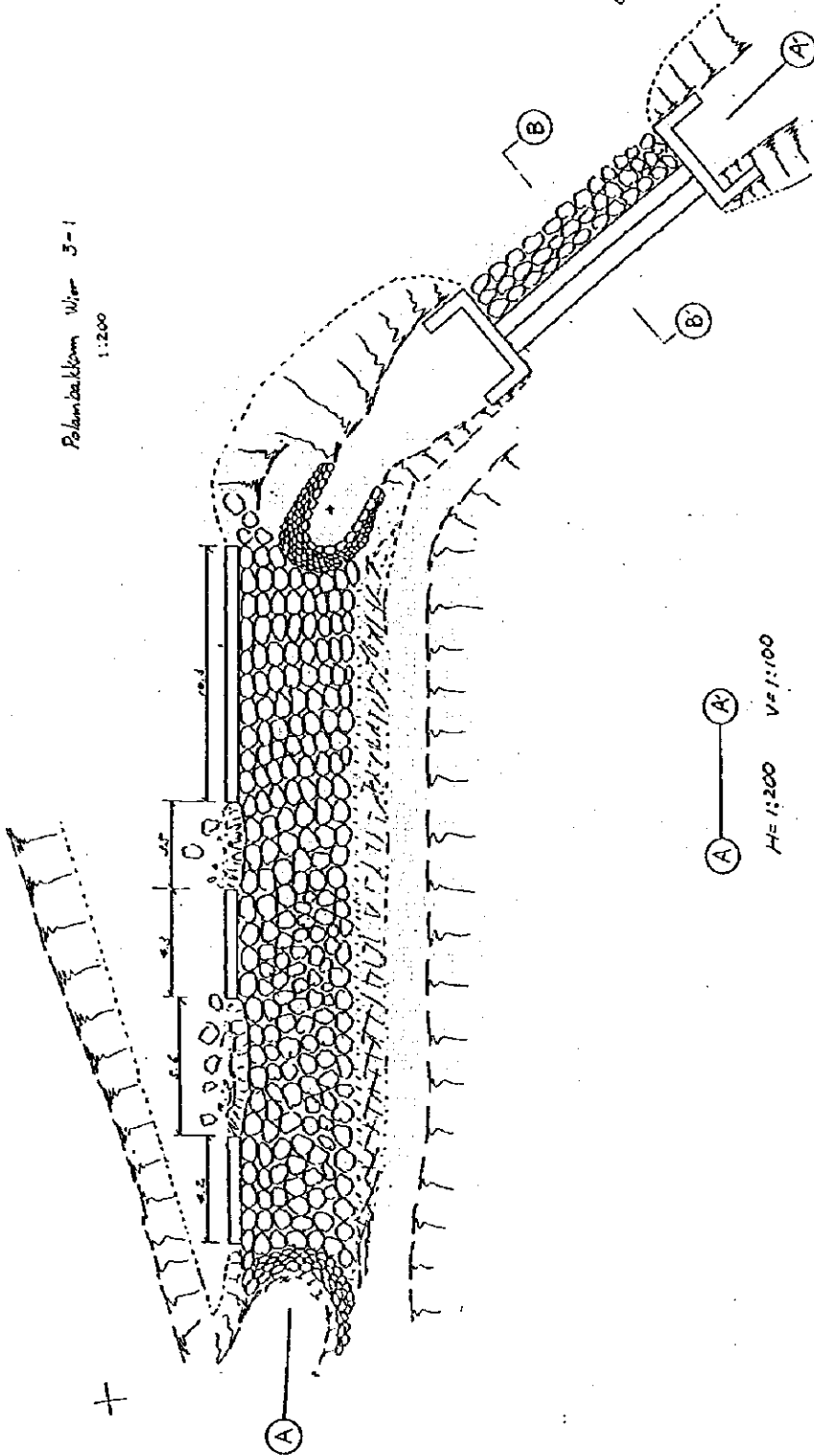
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CHERUVU DAM TANK AREA	Slice 2-2
STUDY ON REHABILITATION OF DAMS IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	ST-4	X
	0428598	1220.81 1618.85 106.76

Cherukunur Sluice 2-3
1:100



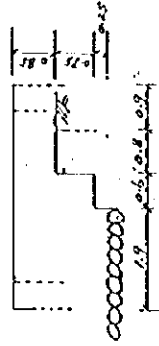
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		CHERUKUNUR BIG TANK AREA		Sluice 2-3	
STATION REGRADATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU		STA	X	Y	M
		17249.08	900.72	820.77	109.30

Palambackam Wier 3-1
1:200

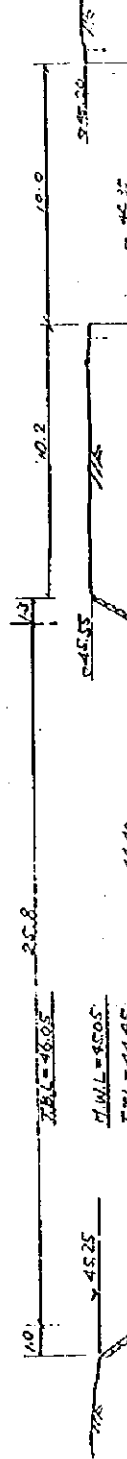


A ——— A
H = 1:200 V = 1:100

B ——— B
1:100



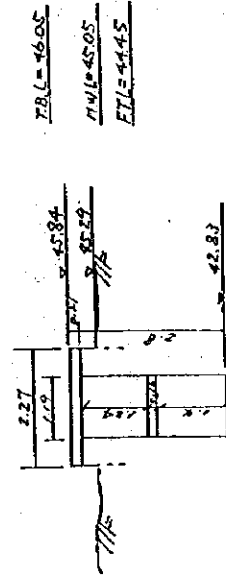
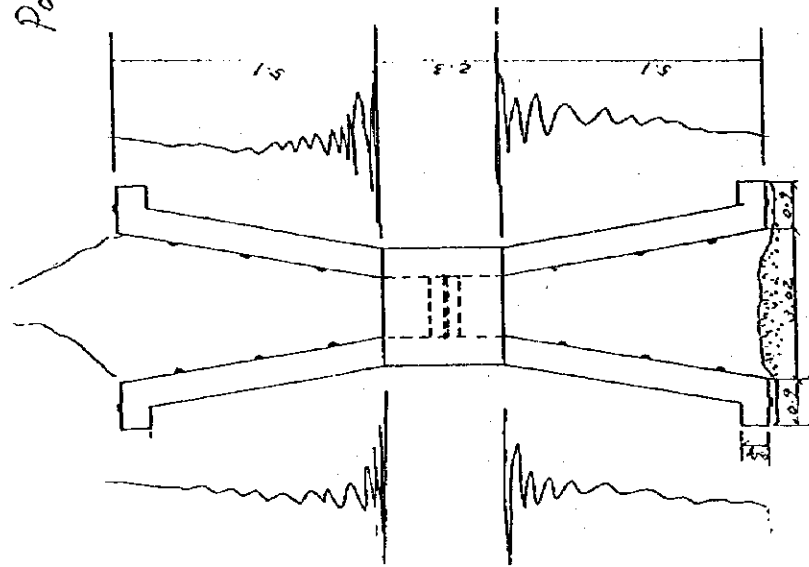
T.B.L = 44.05
M.M.L = 45.05
F.T.L = 44.45



T.B.L = 46.05
M.M.L = 45.05
F.T.L = 44.45

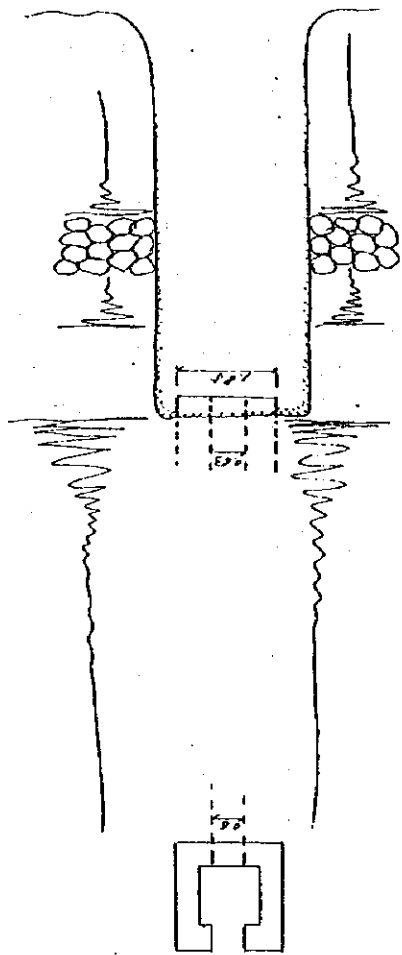
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		POLAMBANGAN TANK AREA		Wier 3-1	
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU		STA	X	Y	H
		0+94.00	10+34.1	1285.3	429.85

Polambakkam Wier 3-2
1:100



$FB.L = 46.05$
 $FW.L = 45.05$
 $FL = 44.45$

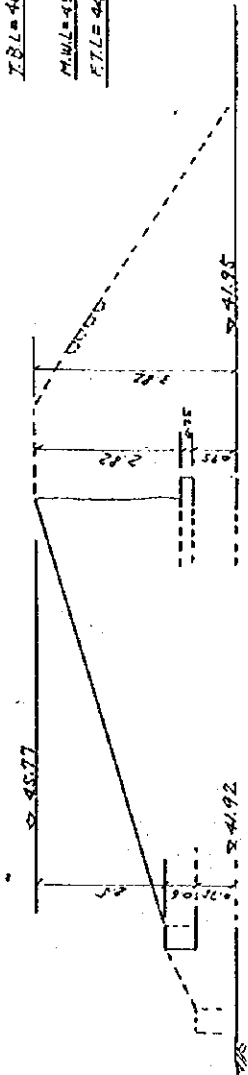
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	POLAMBACCAITANKANDA			Wier 3-2	
	S.T.A	X	Y	M	
ON REHABILITATION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU		1-309.20	244.09	222.80	45.84



ZBL=46.05

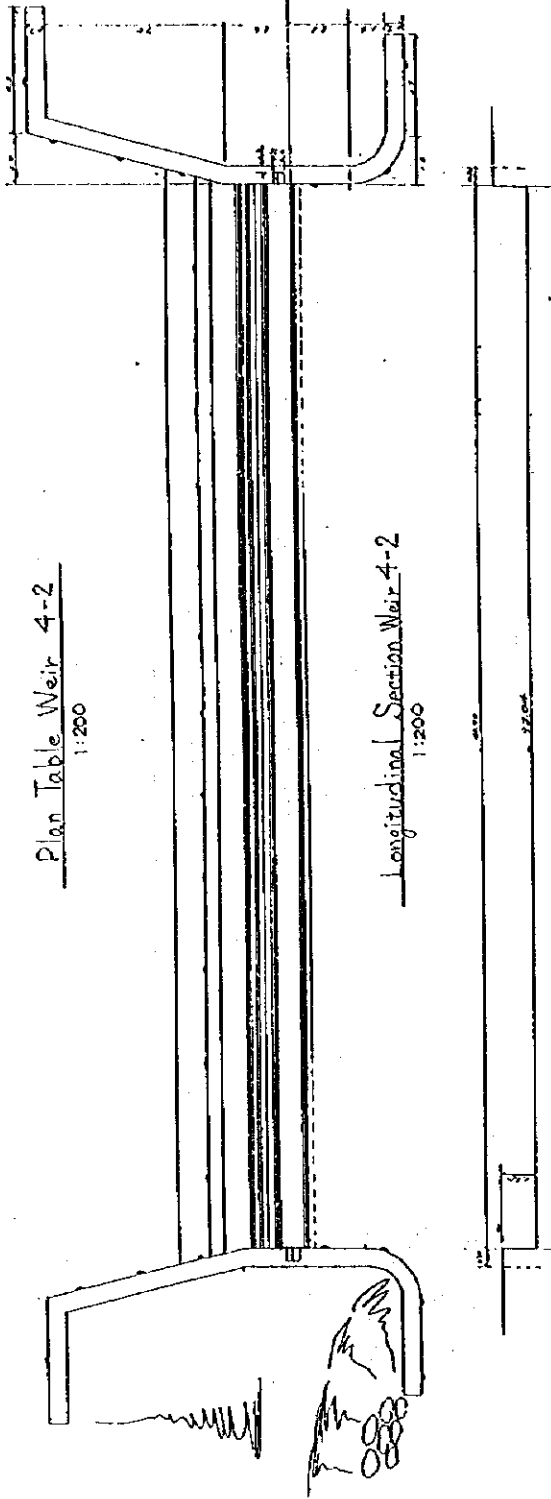
MWL=45.08

F.L.E=44.45



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	POLARBAJAJANTANK AREA			Slice 3-1
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	STA	X	Y	H
	0+308.50			45.77

Plan Table Weir 4-2
1:200



Longitudinal Section Weir 4-2
1:200

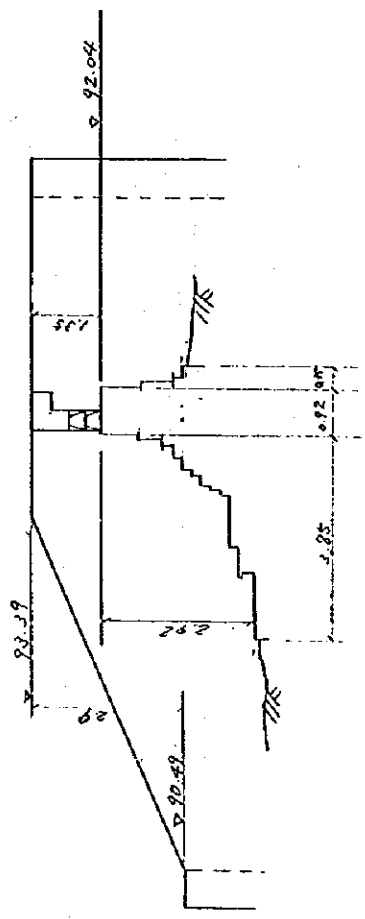


ELLA=92.95

DNA=92.7

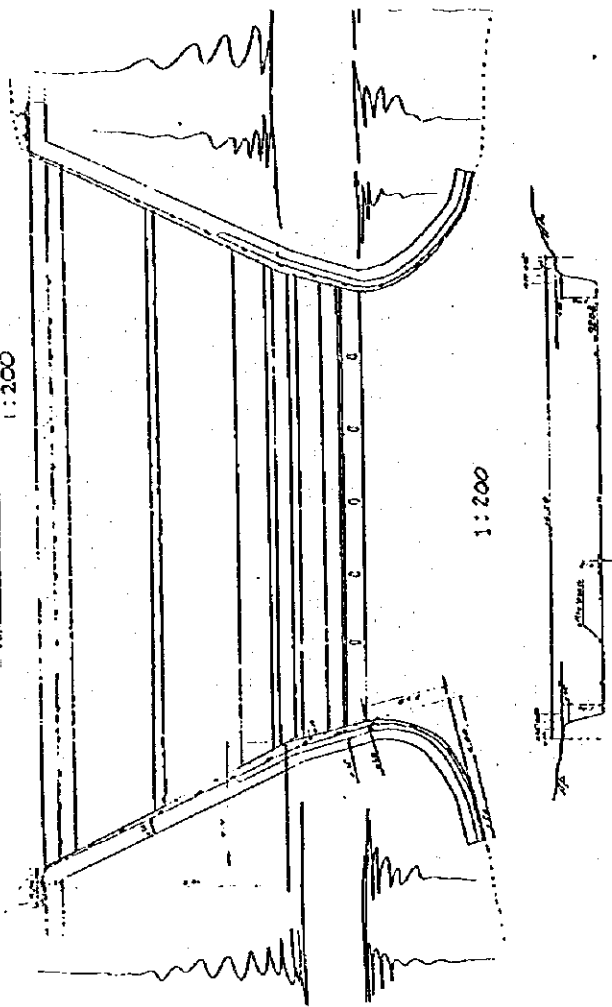
ETL=92.0

1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EMBAURDICATION AREA	WEIR 4-2
FOR REGULATION OF RIVERS ERIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	STA	X
	0+571.95	922.09 / 443.36
	Y	H
		92.04

Plan Table Weir 4-3
1:200



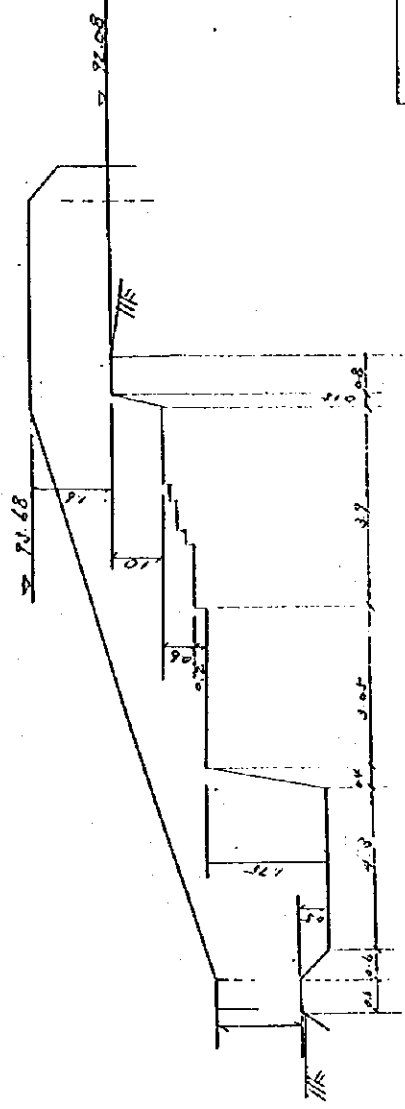
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T.B.L=94.95

M.H.L=92.7

F.L.=92.0

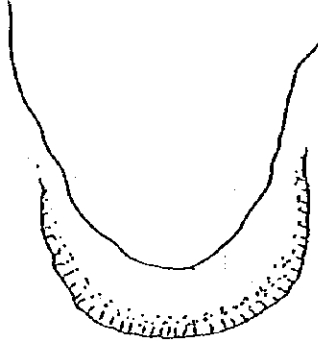
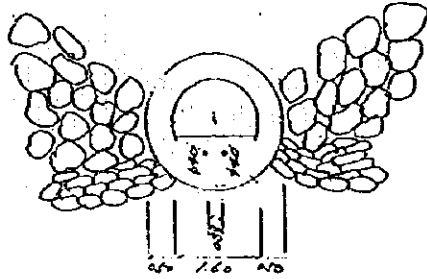
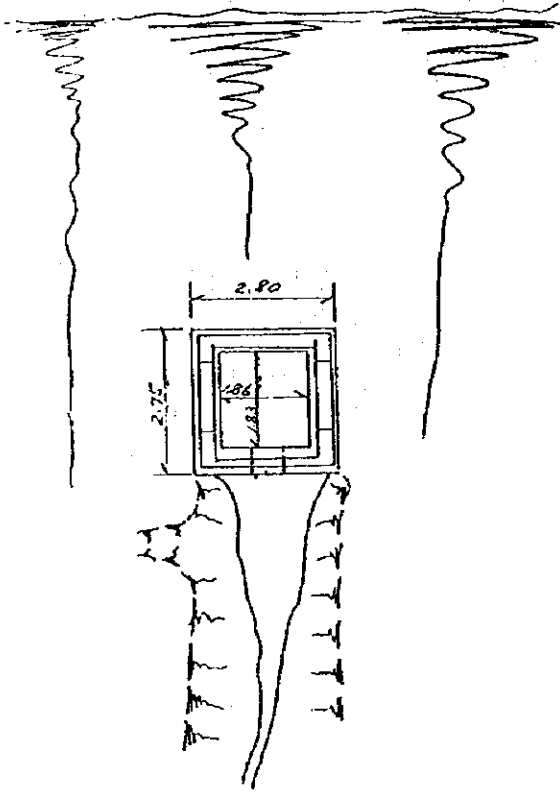
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		ENADUR BIG TANK AREA		Weir 4-3	
STUDY ON RENOVATION OF MINOR IRRIGATION TANKS FOR AGRIC. DEVELOPMENT IN TAMUL NADU		STA	X	Y	H
		10-895.47	734.90	1746.76	92.08

Enadur Sluice 4-1

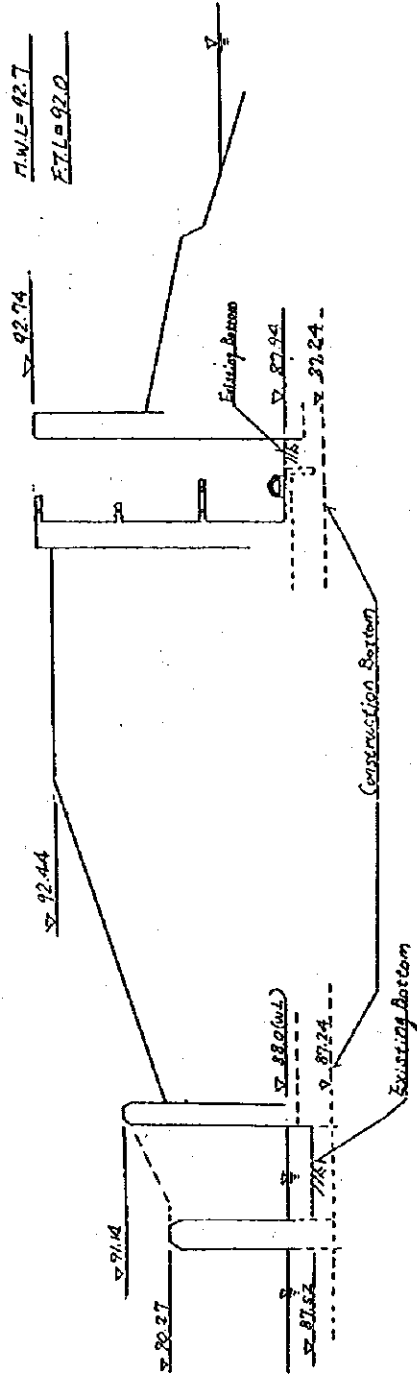
1:100



T.B.L. = 94.95

M.W.L. = 92.7

F.T.L. = 92.0

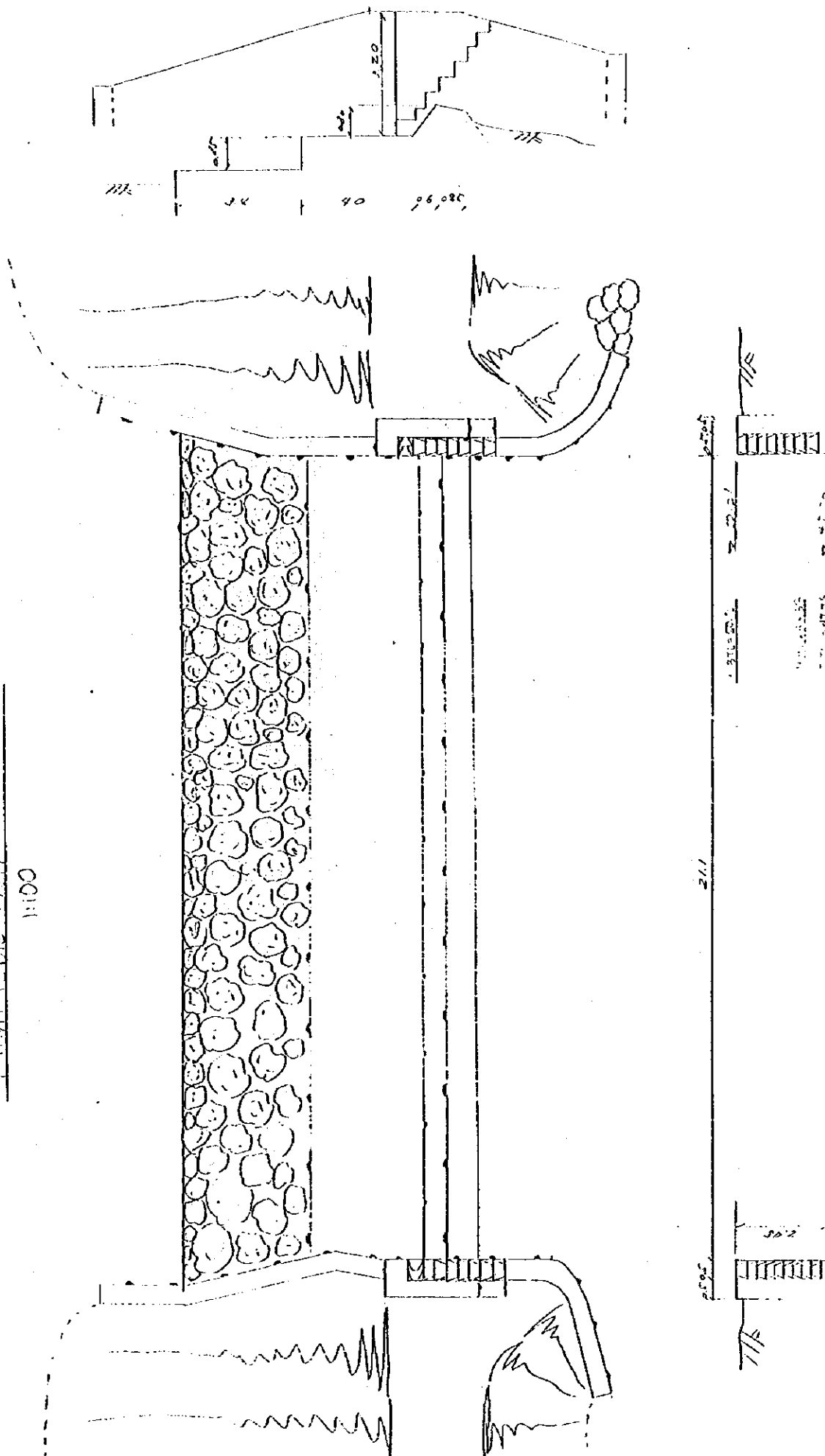


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		ENADUR BIG TANK AREA		Sluice 4-1	
STA	X	Y	H		
14 903.31	2039.78	2667.81	87.24		

ON RECONSTRUCTION OF UNDER IRRIGATION FOR RURAL DEVELOPMENT IN TANSAI AREA

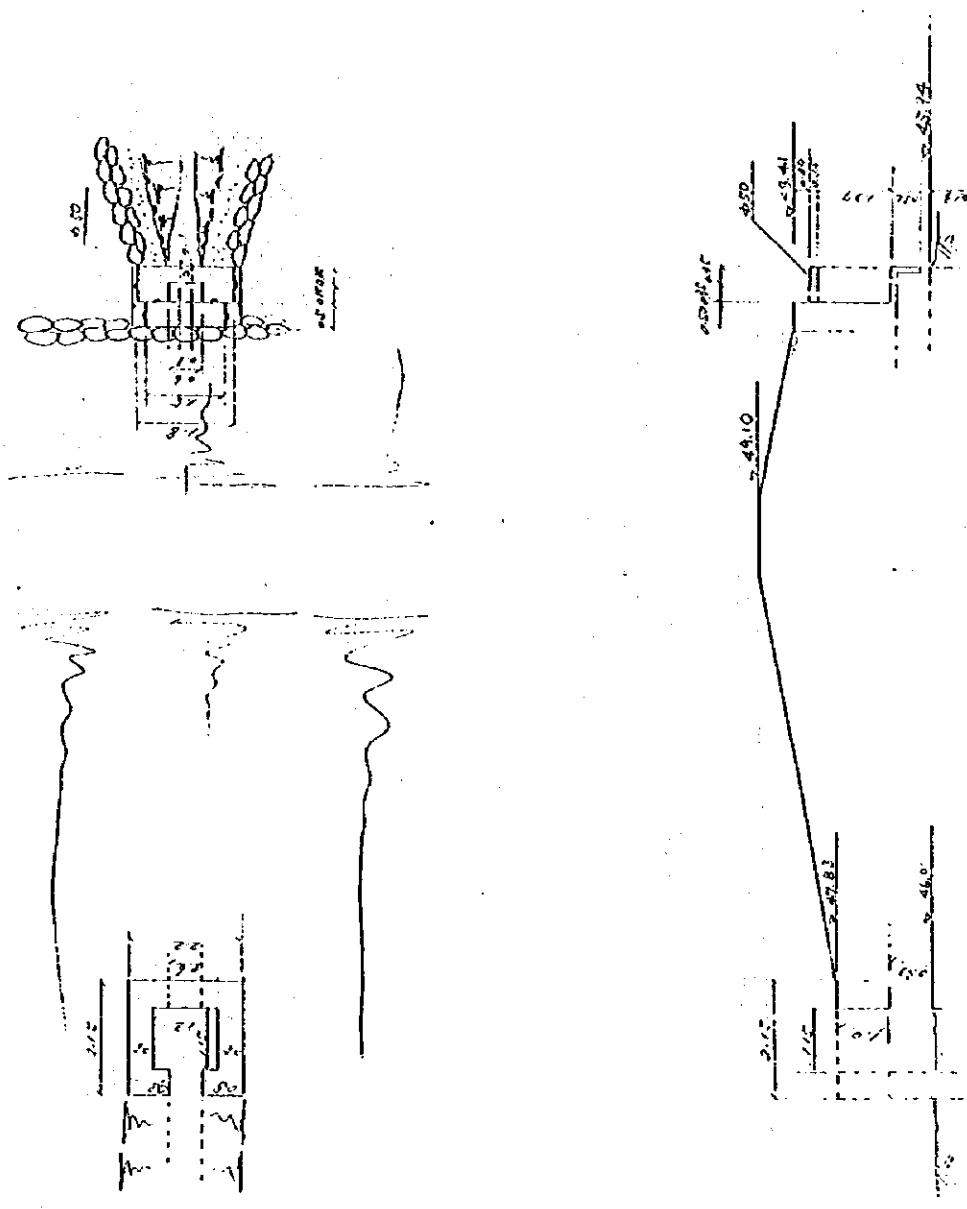
Plan Table No. 5-2

1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	VADAKUPATTU TANK AREA	NO. 5-2
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	ST. A	X
	04-29-78	476.01
		6873.55
		47.78

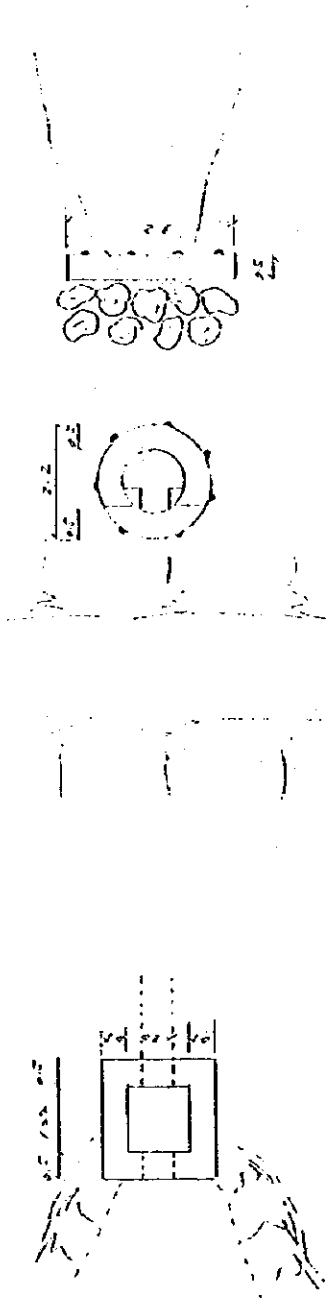
Plan. Table Sluice 5-0
1:100



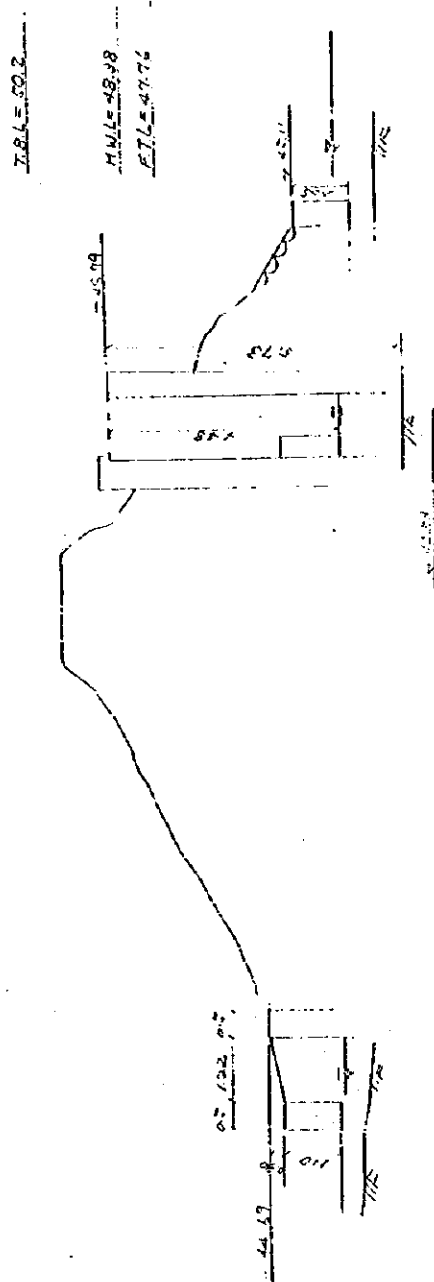
22.5.53.2
 1.15 x 2.32
 2.7 (2.0 m)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	YADAKKUPATTUTANKARA	12/1/52 5-0
CONTRIBUTION OF JAPANESE FOR RURAL DEVELOPMENT IN TAMIL NADU		
	37	
	2-200.00	4753.33
		525.74
		45.94

Pia Tacka Sluice S-1
1:100



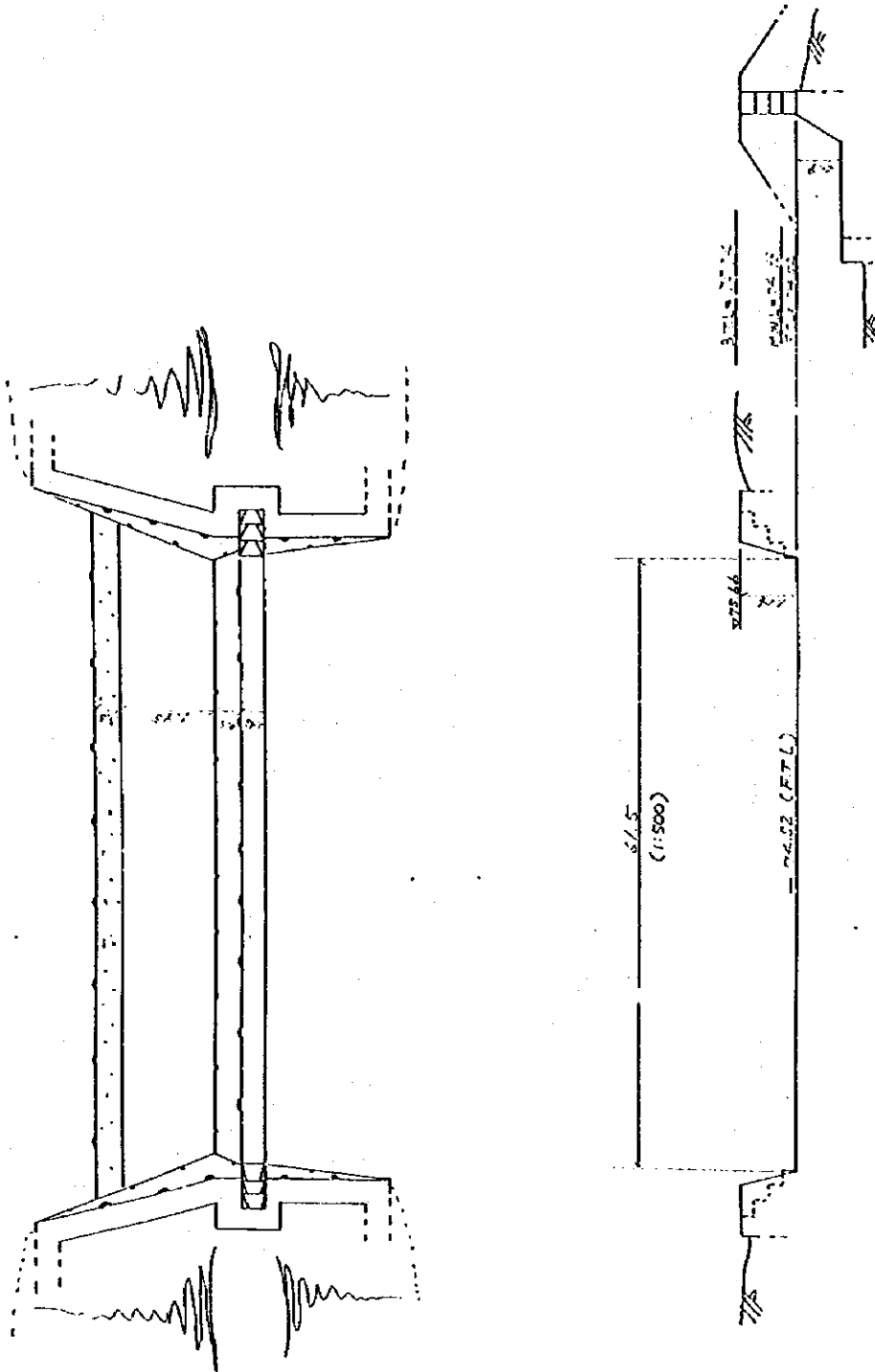
Cross Section Sluice S-1
1:100



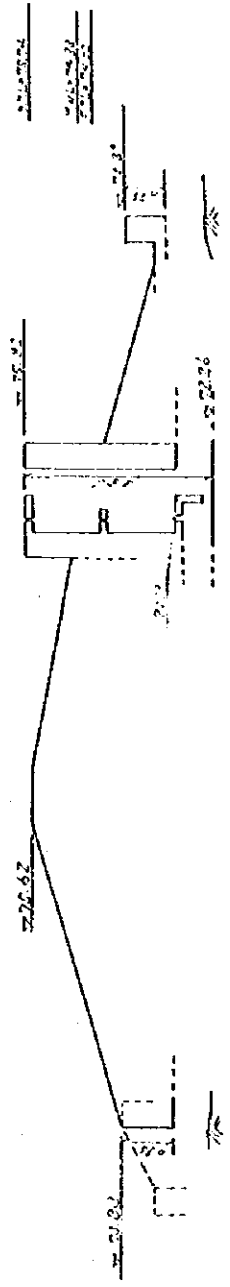
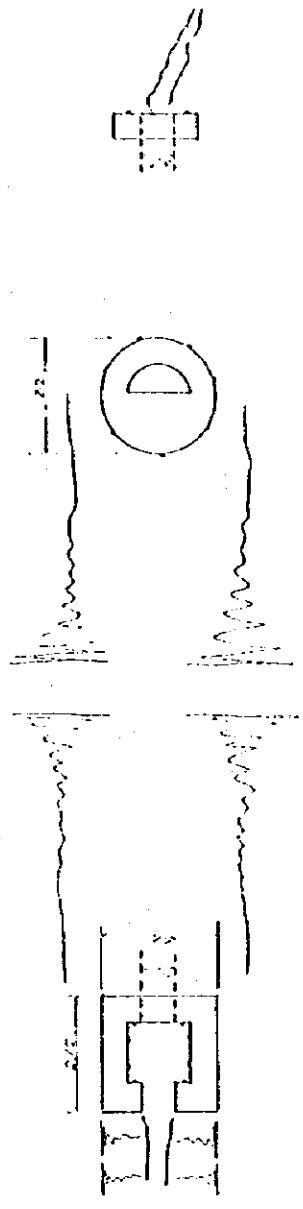
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	YADANUPATTU TANK AREA	Sluice S-1
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	S. T. A. X	Y
	S-487.03	4825.07 42.05

6-2

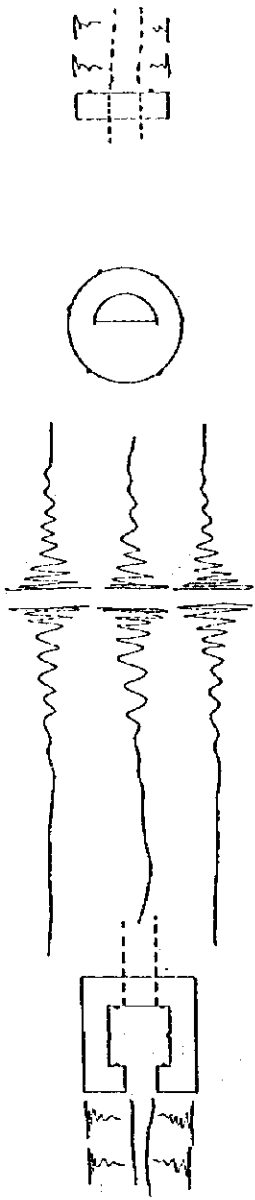
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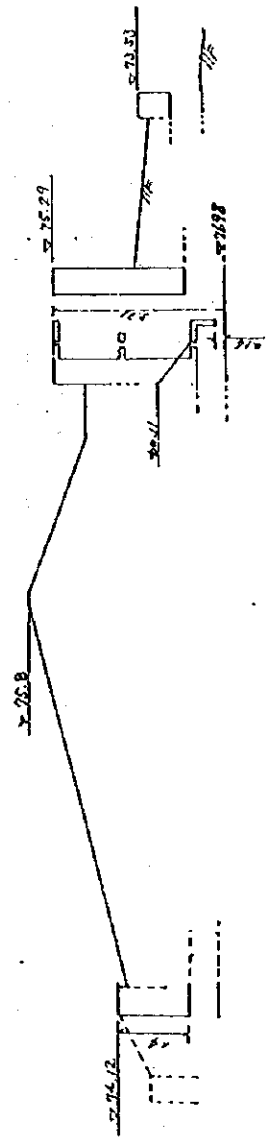
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRUYALAI TANK AREA	NSIP 6-2
FOR FORMULATION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	STA. 2+932.741	Y
	63/51	H
	9/1/97	174-32



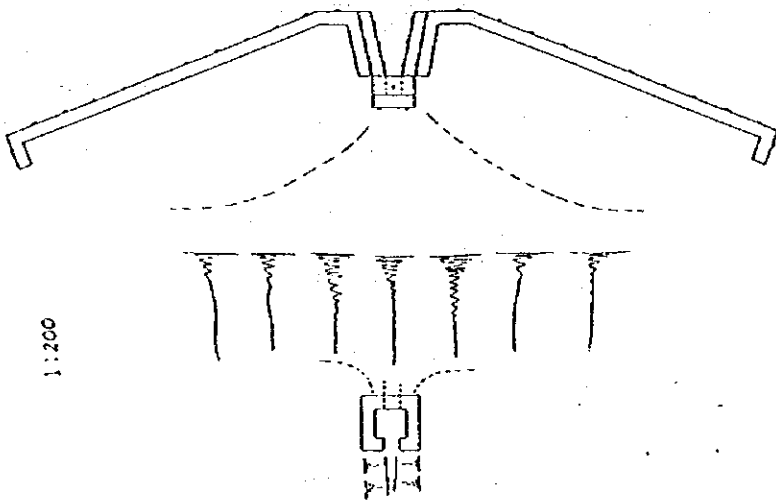
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STUDY ON REMEDIATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU		2-22.18	1997.09	1997.09



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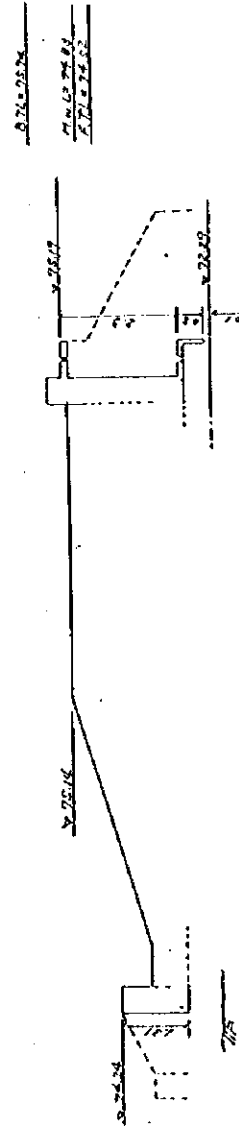


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		SIRIVAJAI TANK AREA		Slice 6-2	
STUDY FOR RECONSTRUCTION OF MAJOR IRRIGATION IN THE AREA OF RURAL DEVELOPMENT IN TANSAI, MAU		STA	X	Y	H
		0+709.84	1901.23	820.79	71.98



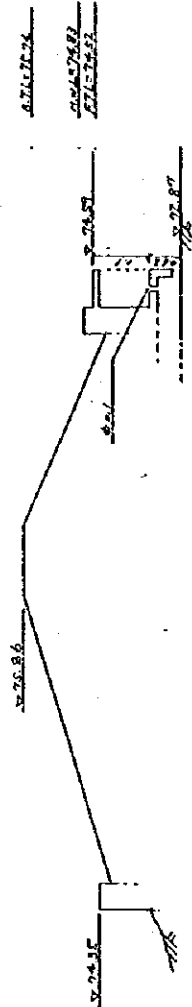
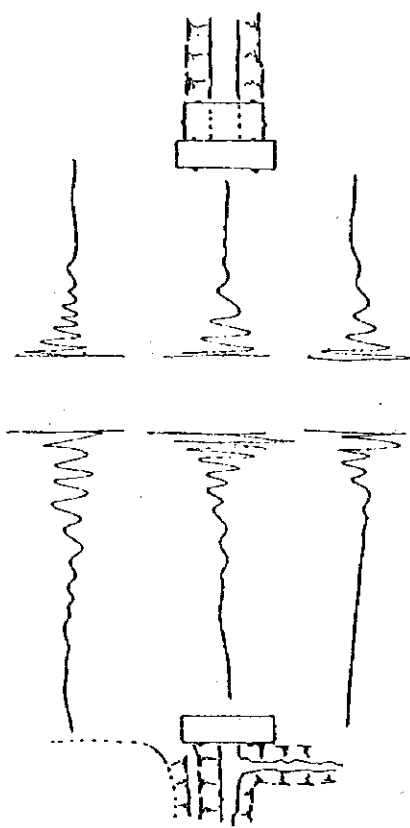
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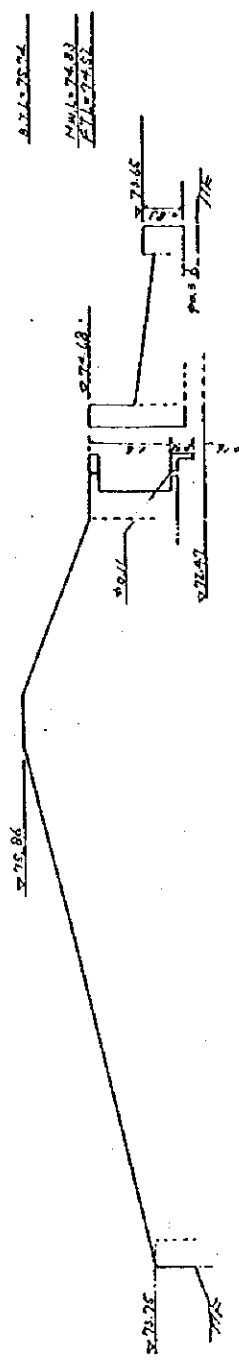
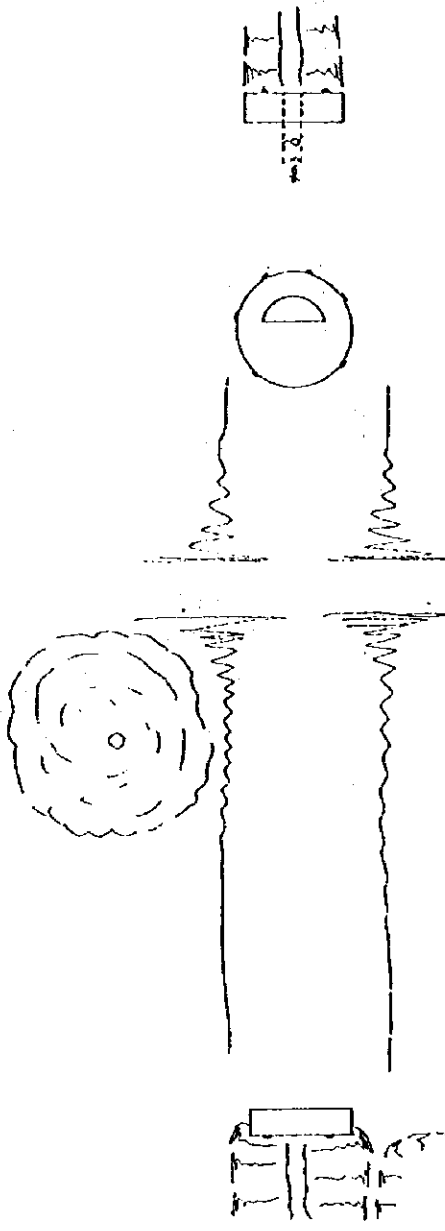
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 7.4.02.24.03
 7.7.1.24.02

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		SIRIVAJITANKARA		Slice 6-3	
STUDY ON REHABILITATION OF UPHOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN THAILAND		STA	X	Y	M
		0+891.16	1786.45	876.22	72.29



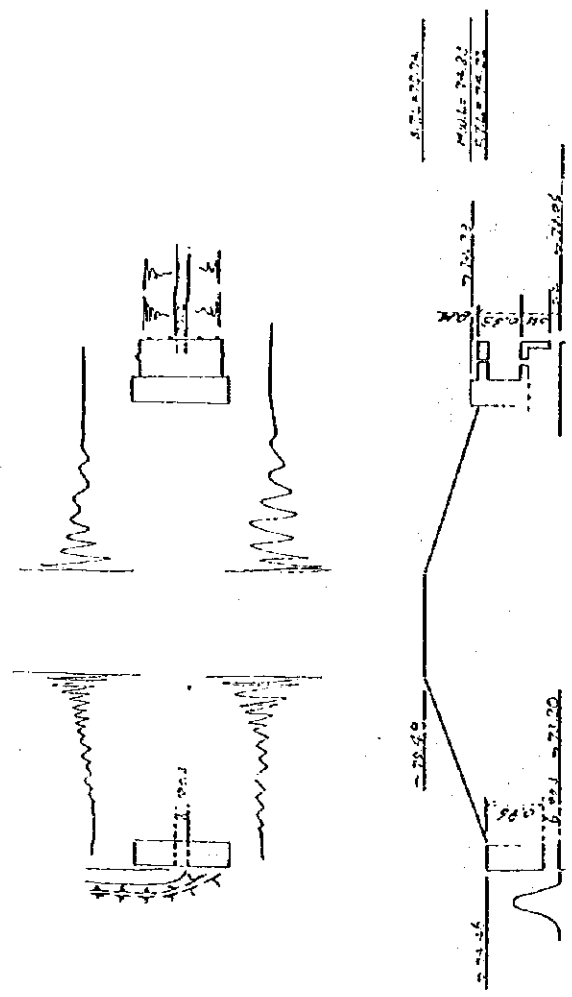
24.17.24
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 24.17.26

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRIVAJAITANKAREA	Sluice 6-4
STUDY FOR RECONSTRUCTION OF MINOR IRRIGATION TANKS AND RURAL DEVELOPMENT IN TAMU, PHOU	STA 140.882/1518.71	X 885.96
		Y 72.87
		H 72.87



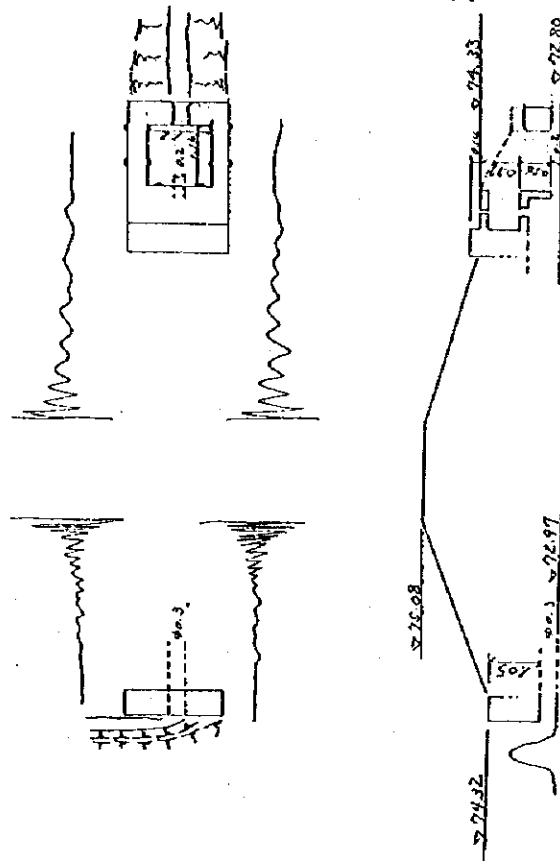
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRIVALLI TANK AREA	Sluice 6-5
STUDY ON REHABILITATION OF JUNIOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	STA X	Y
	14.12.81	14.12.81
	8-43.07	8-43.07
		72-57

11.05
 11.05
 11.05



JICA INTERNATIONAL COOPERATION AGENCY (JICA)	SIRUVALAI TANK AREA	June 65
STUDY FOR REHABILITATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TAMIL NADU	276 X Y	H
	1423589/142371	246.69
		73.56

Siruvai Sluice 6-7

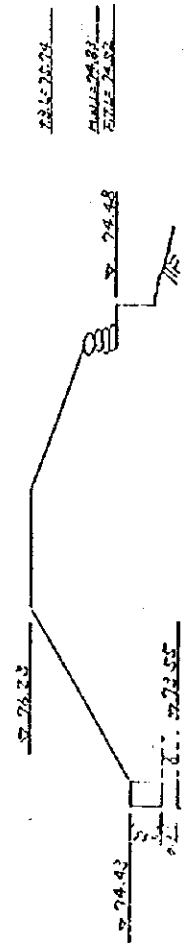
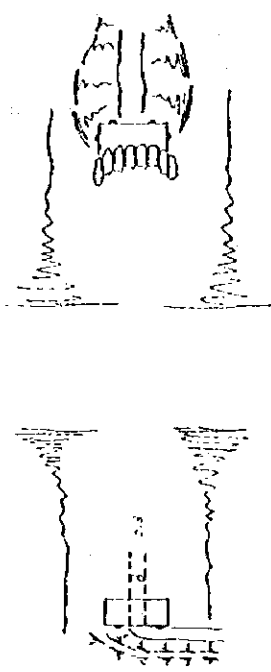


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FLAT=72.82

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRUVAI TANK AREA	Sluice 6-7	
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	STA	X	Y
	1+454.54	120/52	857.80
			M
			72.80

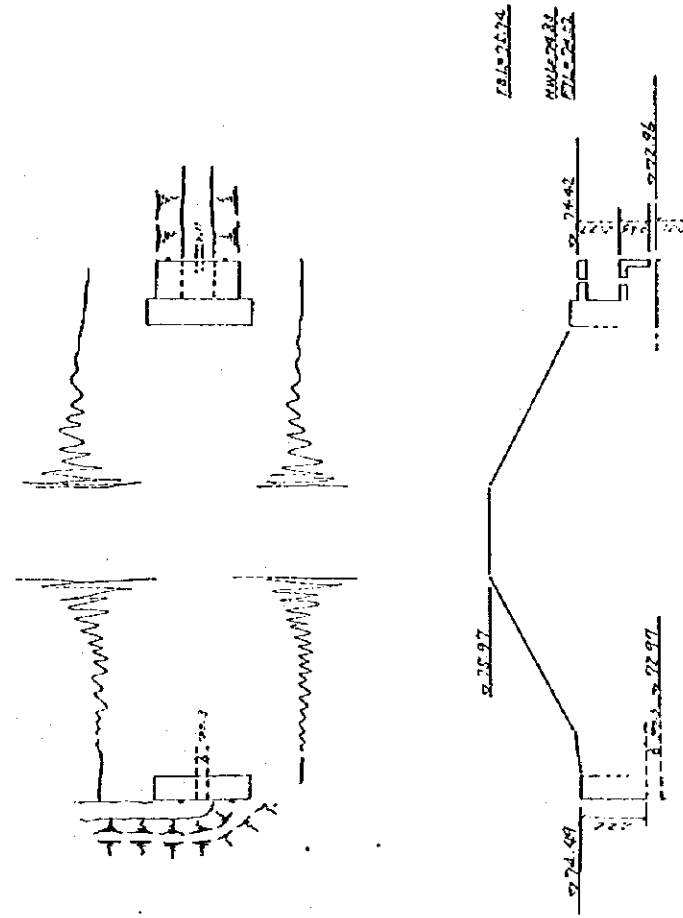
11/100
 11/100
 11/100



74.23
 74.58
 74.55

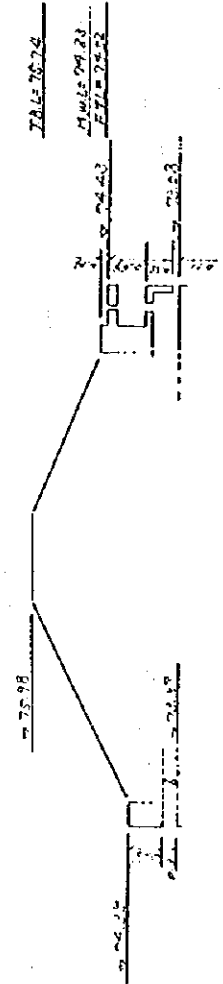
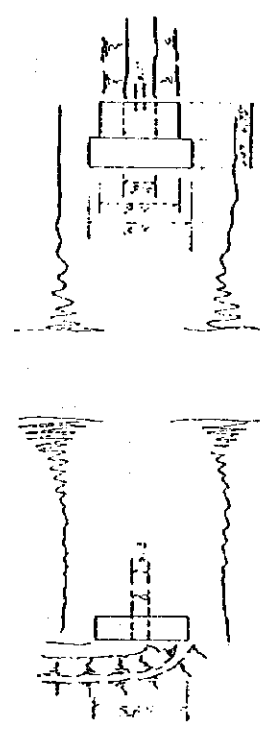
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRUVANITANKAREA	Sluice 6-8
STATION	STA X	Y
ADJUSTMENT OF RURAL IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	14.661.701	14.661.701
		879 03

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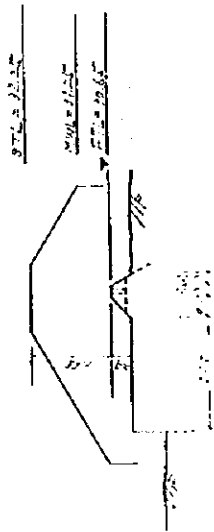
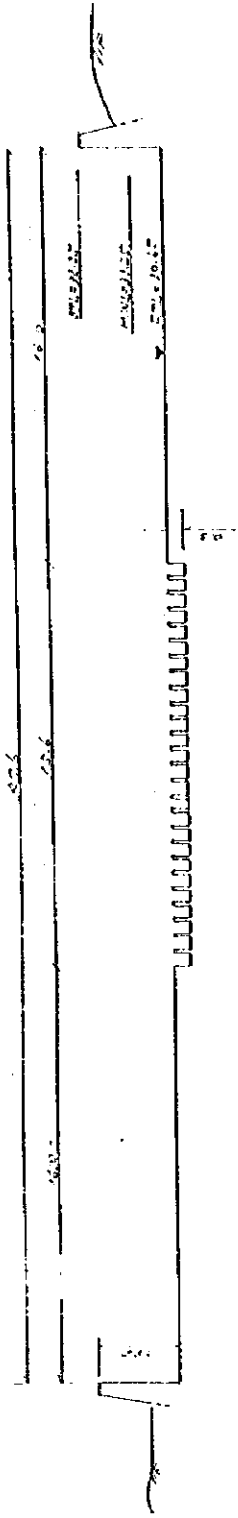
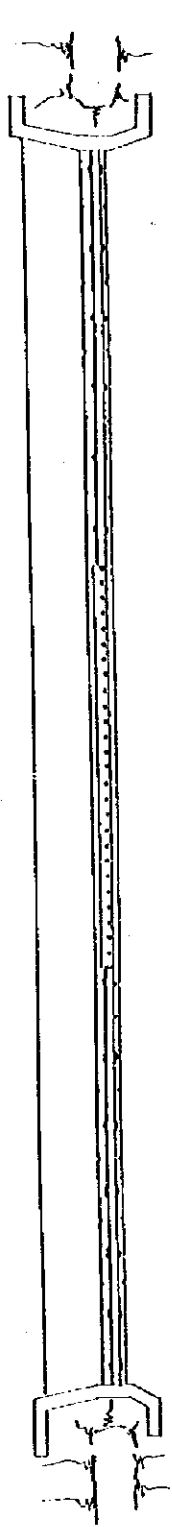


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRUVALAI TANK AREA	Sheet 6-9
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	974 X 1475/49: 917.55 740.58	M
		72.96

100.12
100.6-10

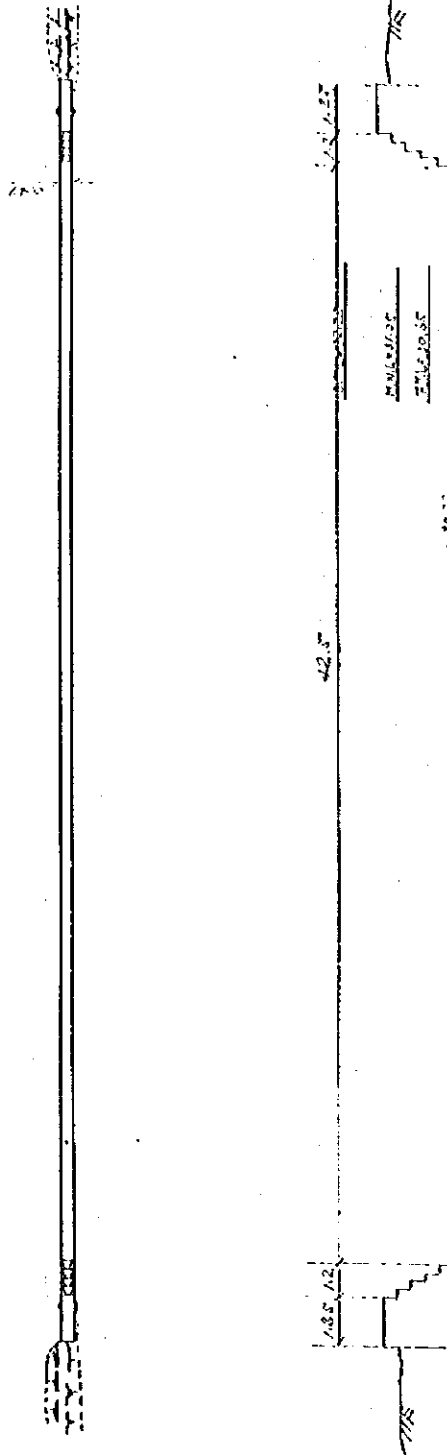


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SIRIVAJA TANK AREA	SLICE 6-10
REHABILITATION OF MINOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN THAILAND	STA. 1+882.561 888.25	910.41 73.08



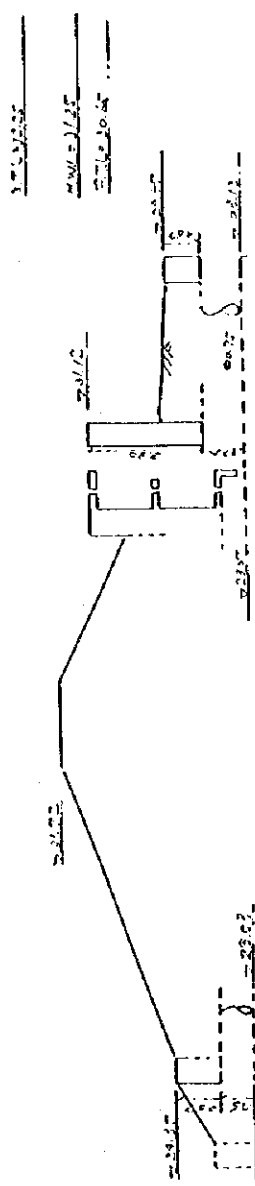
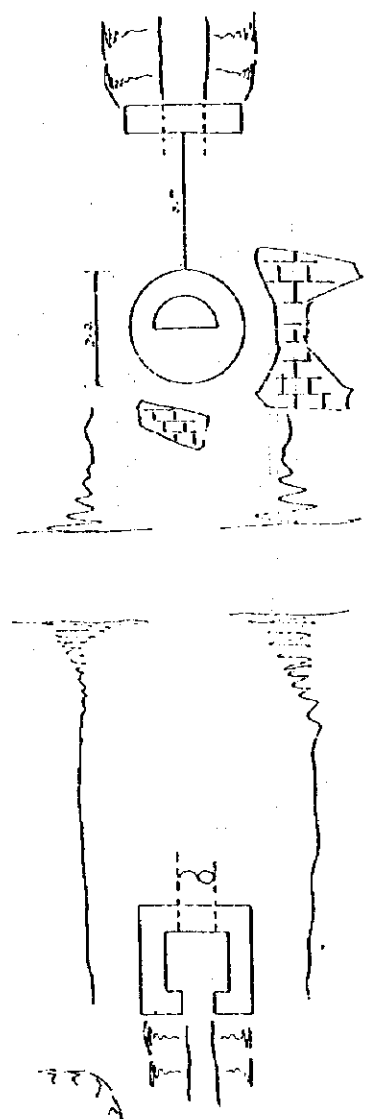
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		KURUMBI TANK AREA	
STUDY ON ADAPTATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TANAL MANU		ST/	X
		0-27-08	1-2-08

Kurumbi Water 7-2
 $H = 1/200$ $V = 1/100$



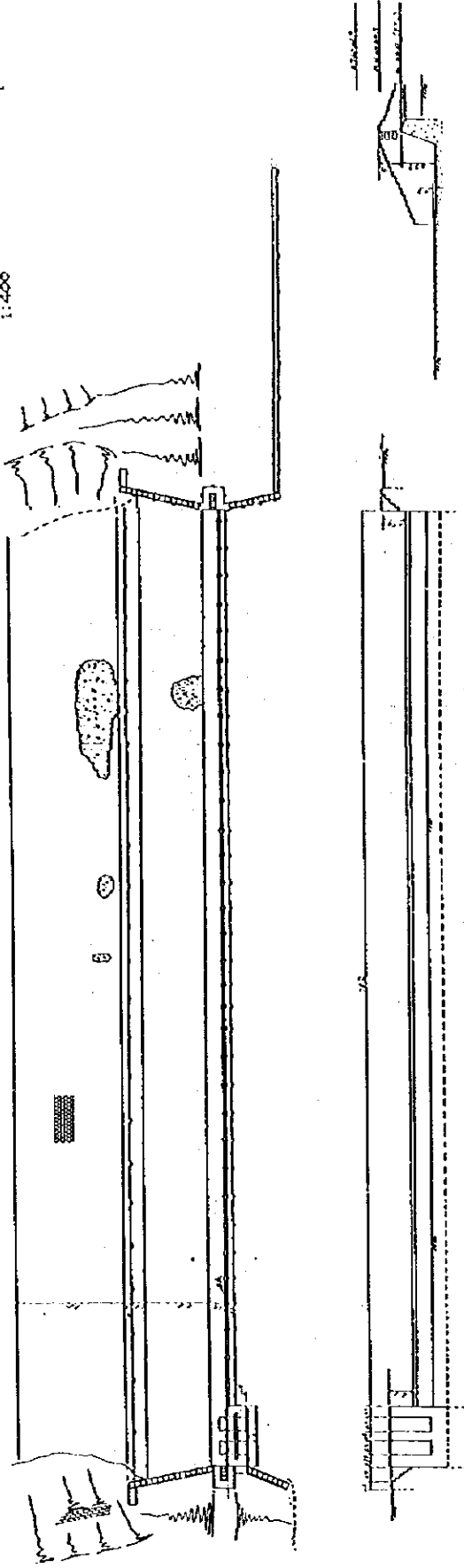
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	KURUMBI TANK AREA	1:300	7	4
STUDY FOR REGULATION OF MINOR IRRIGATION SYSTEMS RURAL DEVELOPMENT IN TAMIL NADU	STA X	1+233.09	1+233.09	1+233.09

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	KURUMBITANK AREA	01/12/7-1
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	STA. X	Y
	02/22/71 22.1	01/12/71 22.07

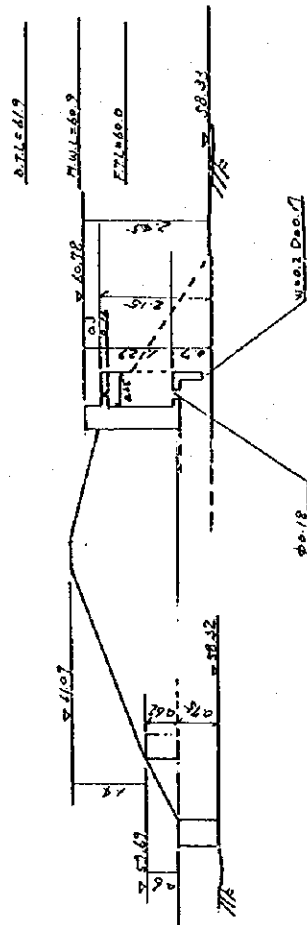
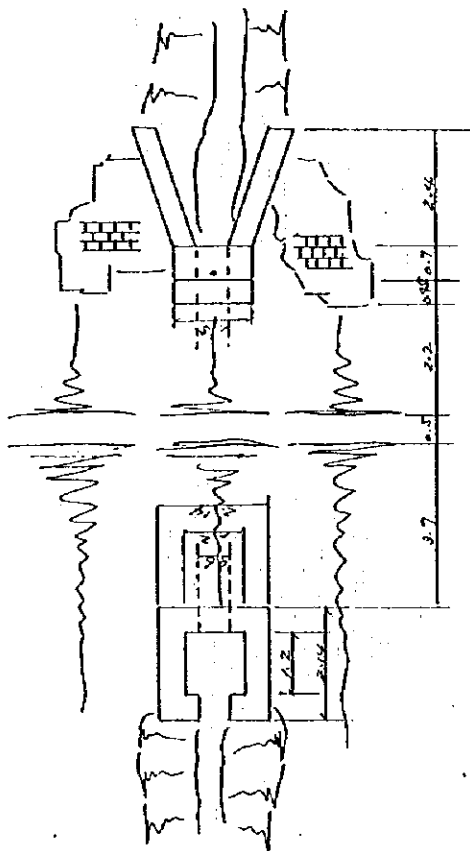
Wier S-1
1:400
Cumingspurum Wier S-1



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	A. RAKALINGPURUM TANK AREA				Wier S-1
PROJECT ON REHABILITATION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	STA	X	Y	H	
	0+992.40	0021.62	50.38 +2	60.00	

Sluice 8-2

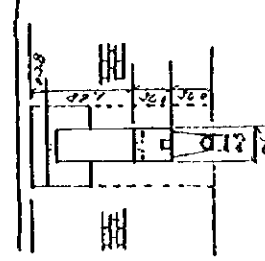
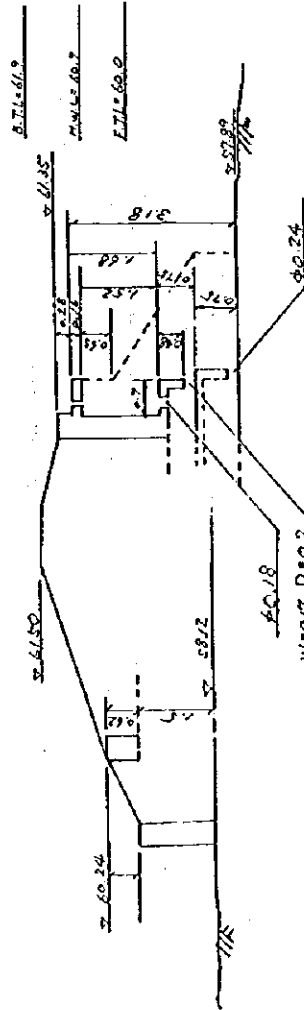
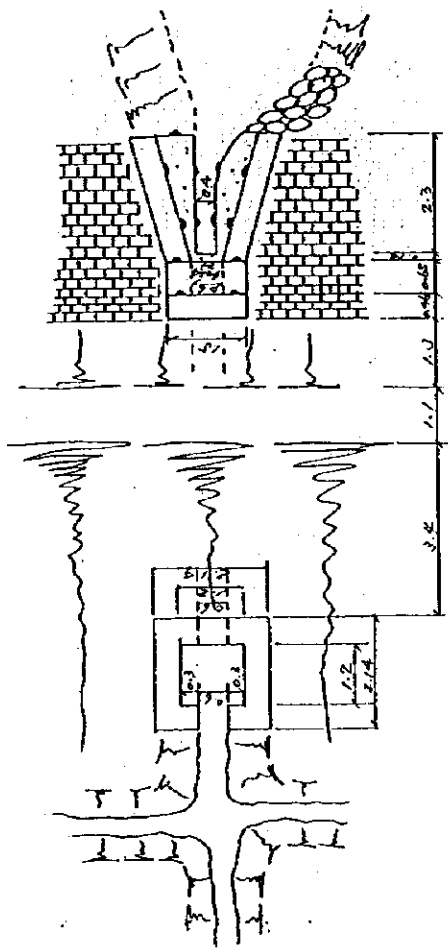
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	A. RAMALINGANUNATANK AREA			Sluice 8-2
	STA	X	Y	M
ON RECONSTRUCTION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TANAL MOU	0+659.20	8125.30	5271.31	52.33

Sluice 8-3

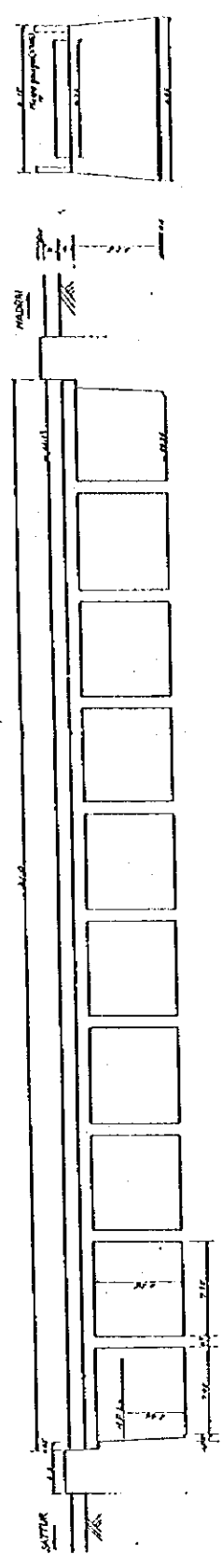
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	A. SUMALINGGARUMITANKARA	Sluice 8-3
STUDY ON REHABILITATION OF MAJOR IRRIGATION CANALS FOR RURAL DEVELOPMENT IN TANZANIA	STA X Y	
	1+153.22 4895.77 4865.59	17.89

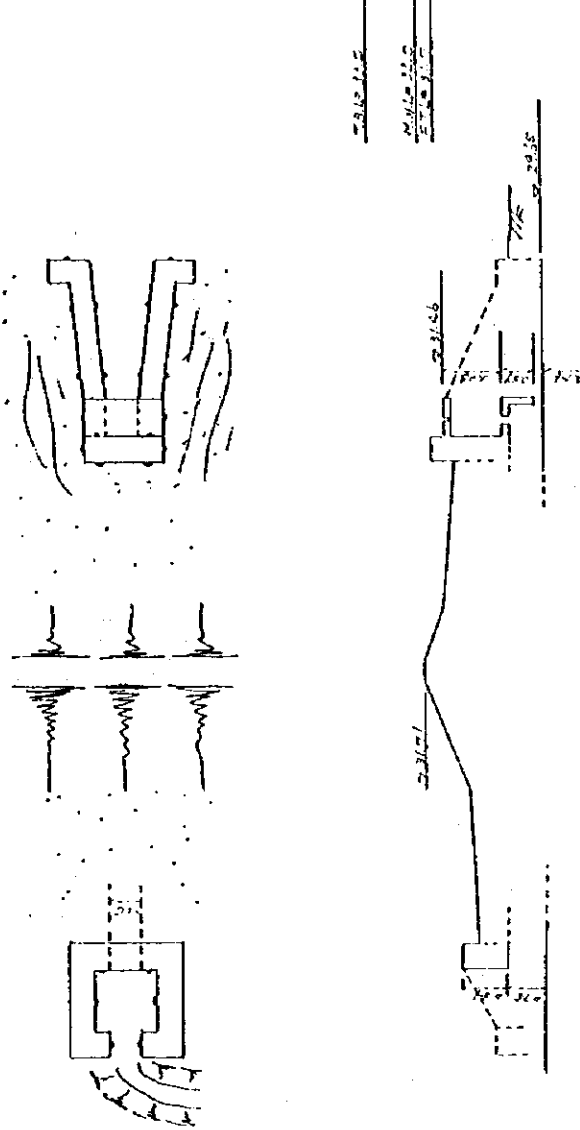
Ramalingsapuram No. 2 Southern Railway
 1/1000 1/1000

1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	
ON REQUISITION OF JIHOH SHIKIEN (株) FOR RURAL DEVELOPMENT IN TAMIL NADU	
A. RAMALINGAPURAM TANK AREA	

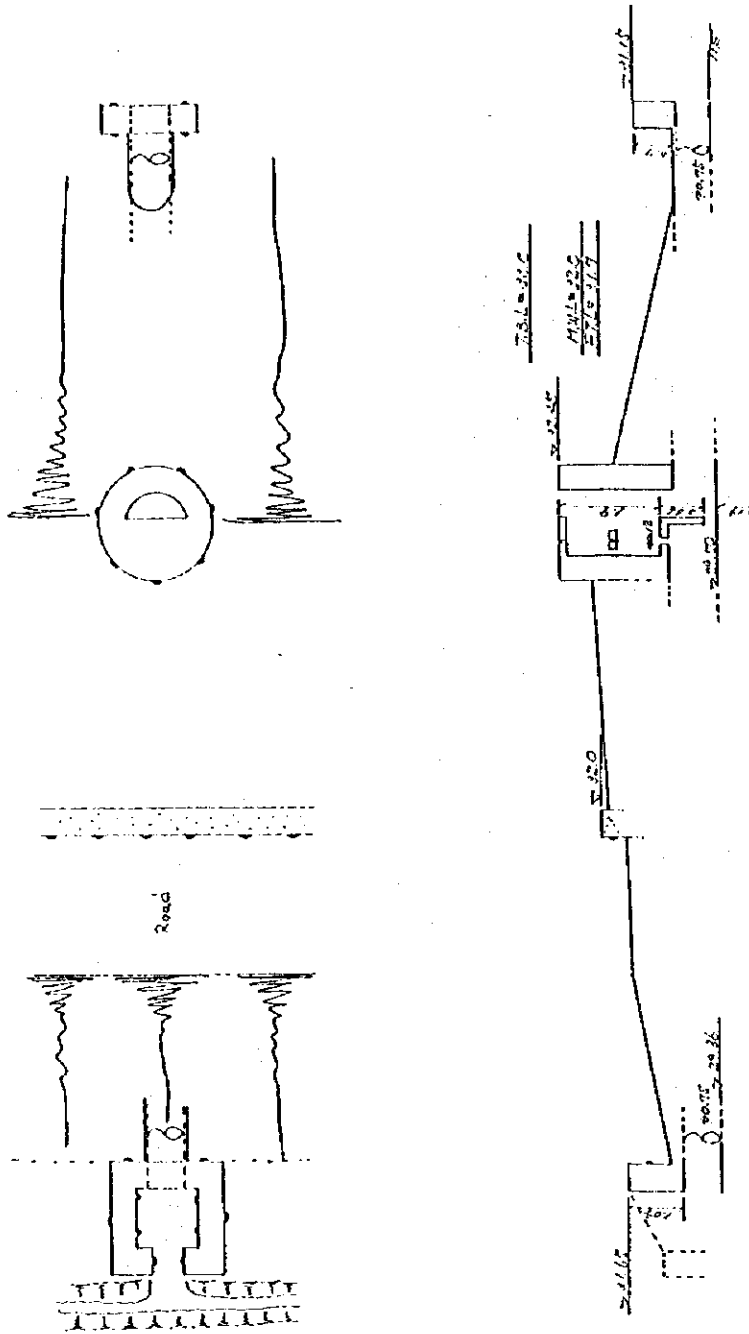
Sengongwan Kam moi Slice 9-1
1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SENGONGWAN TANK AREA	Slice 9-1
STUDY ON REHABILITATION OF MAJOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	ST. A	X
	23.12 1.12	23.12 1.12
	23.12 1.12	23.12 1.12

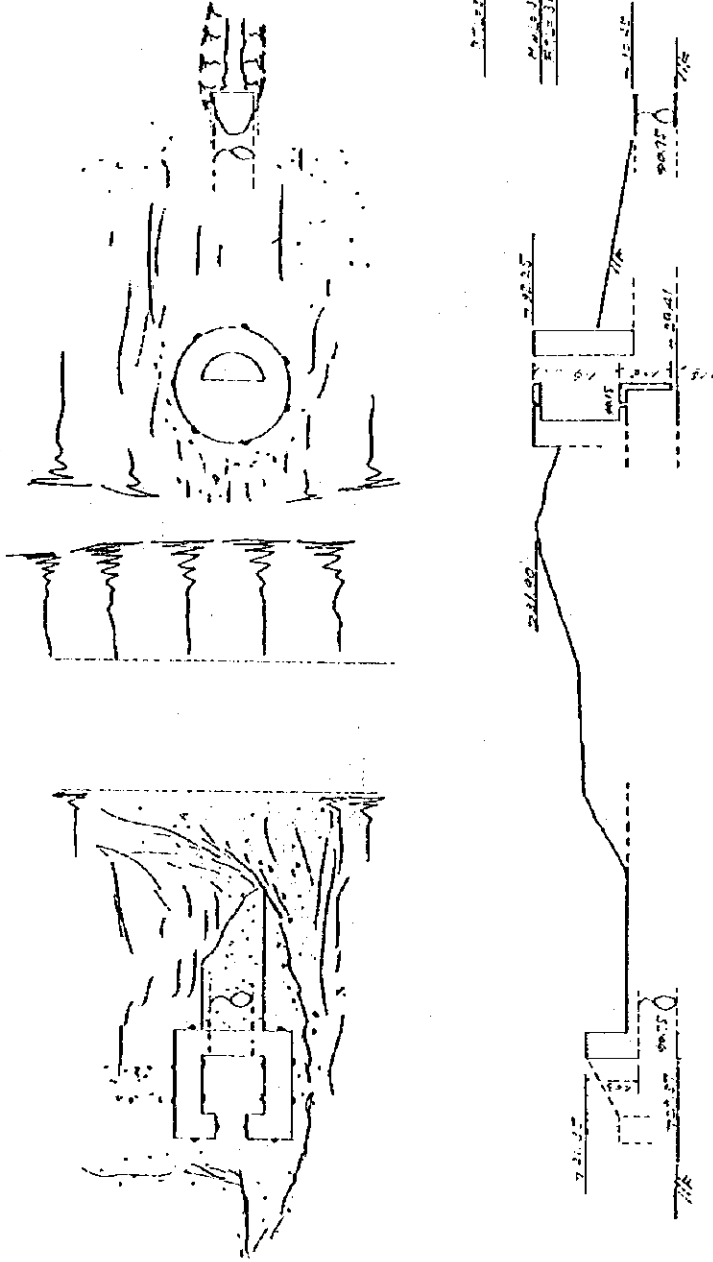
Senganguliam Stage 9-2

1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		SENGANGULIAM TANK AREA		Stage 9-2	
PROJECT ON REHABILITATION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN THAILAND		STA	X	Y	H
		14+542.89	2409.67	1023.33	293.0

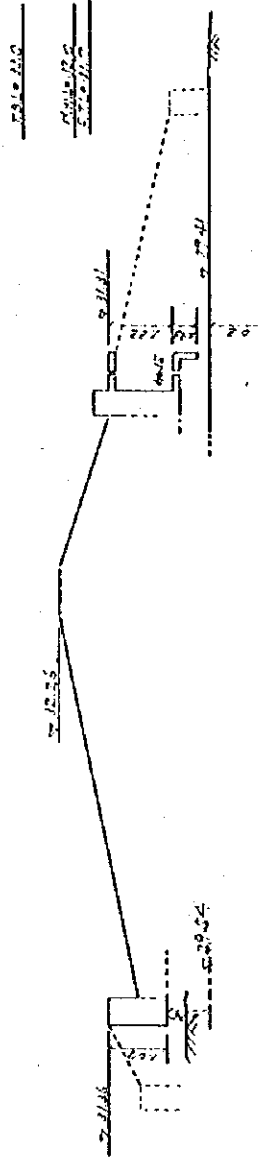
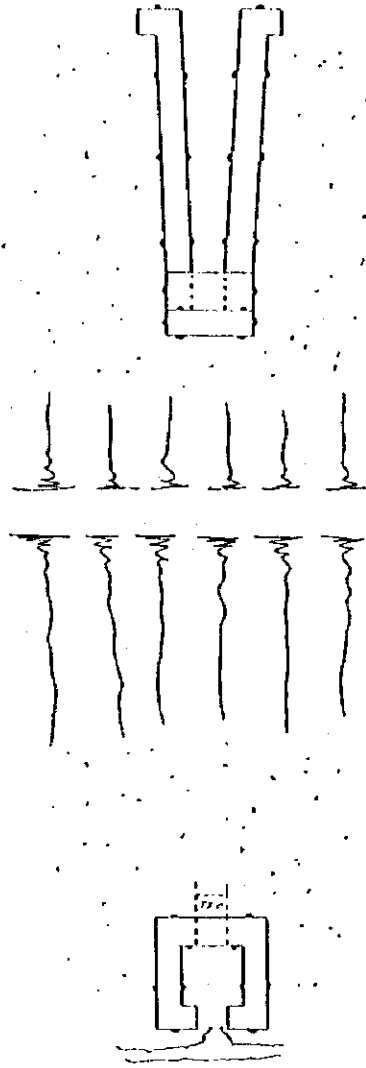
Serganggam Kanmoi Sluice 9-3
1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SENGANGGAM TANK AREA			
STUDY ON REGULATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TANAH MASU	STA	X	Y	H
	2+070+41	2+073+48	2+070+41	2.9-41

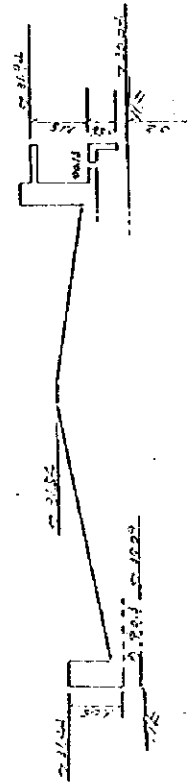
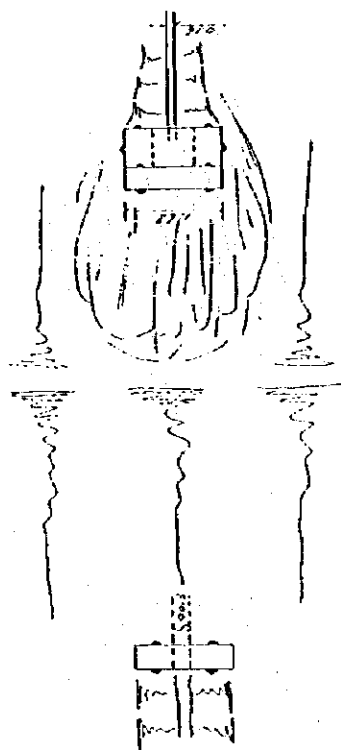
Sergangulam Sluice 9-4

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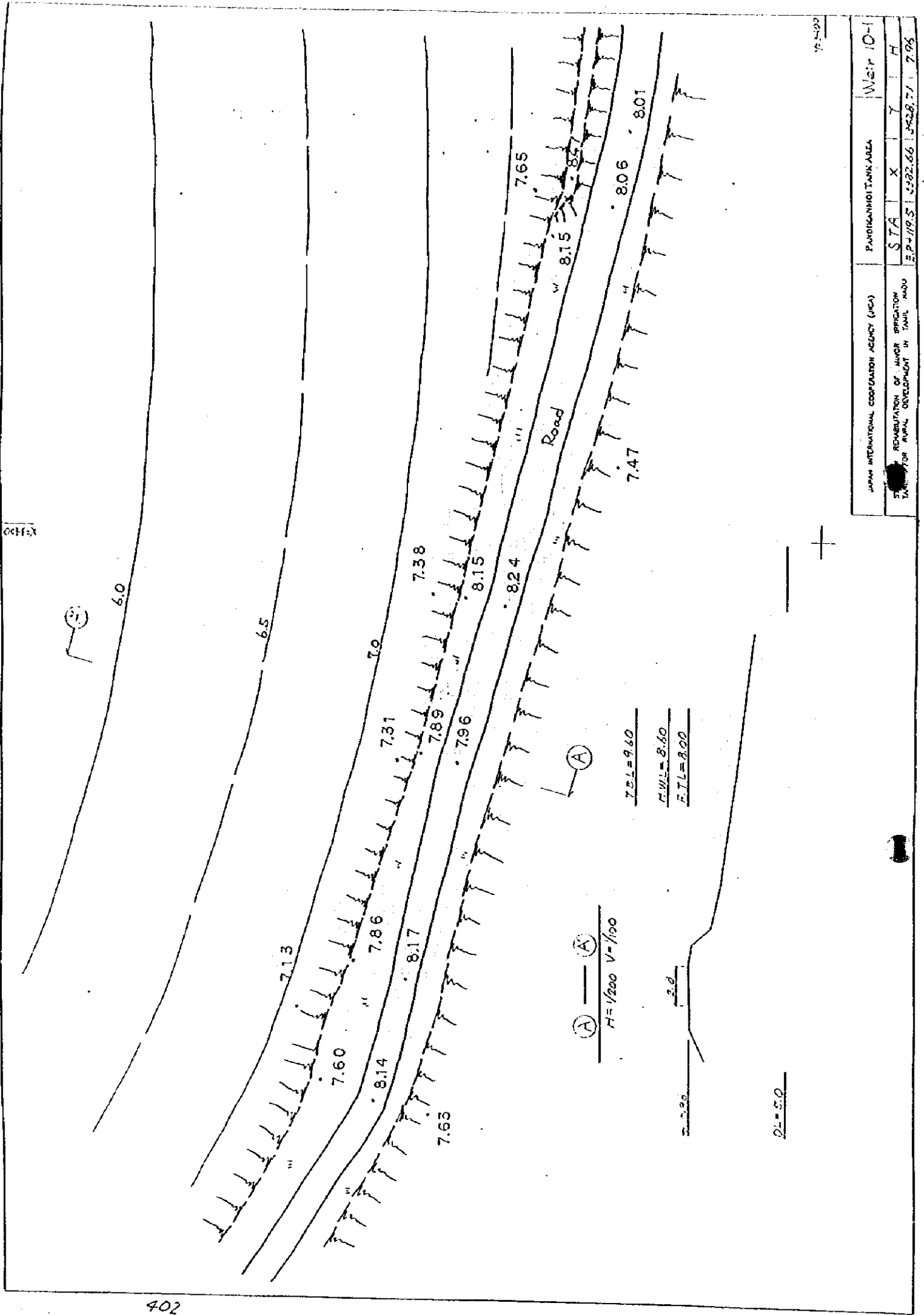
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SENGANGULAM TANK AREA	Sluice 9-4
ON REGULATIONS OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	STP X Y	A
	24372.57	24372.61

Senganglam Sluice 9-5
1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SENGANGULAM TANK AREA			Sluice 9-5
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN THAILAND	STA	X	Y	H
	2+233.96	5837.27	5178.46	39.06

001:2

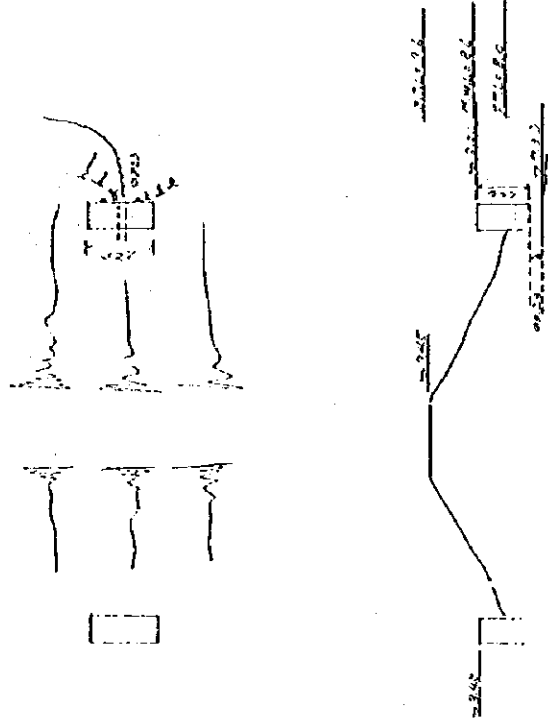


14-200

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	PANDELIANHOITANKAREA	WE: P 10-1
RENEWAL OF MAJOR BRIDGES AND ROAD FOR RURAL DEVELOPMENT IN TANIL MAOU	STA	X Y H
	3,241/9.5	0302.66 0528.71 7.96

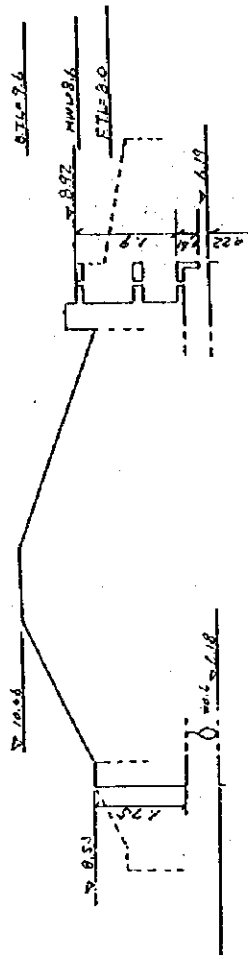
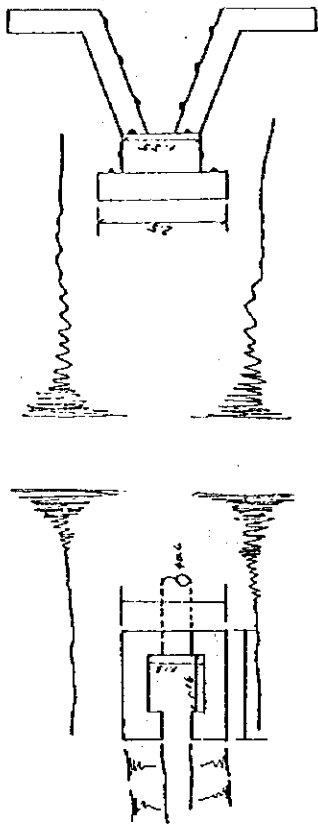
Project No. 12-0

12-0



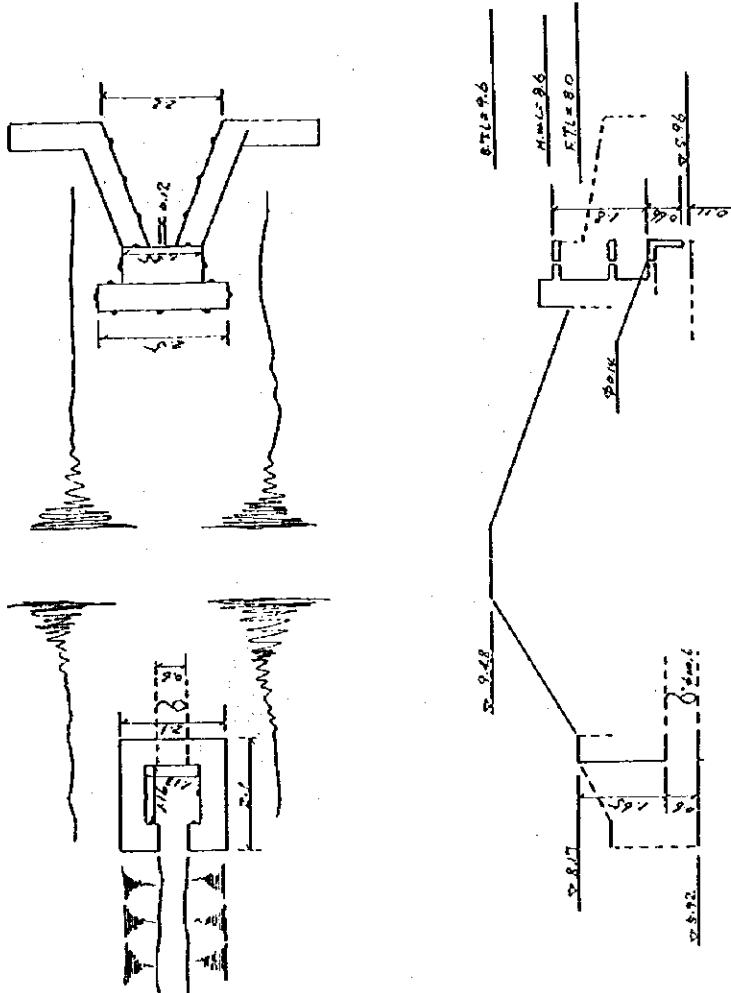
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	PANDIKANNI TANK AREA	Circle 12-0
STUDY ON REHABILITATION OF MINOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	S.T.A. X	Y
	0-23/55	1-15/55
		7-30

Pandi Kam mai Sluice 10-1
1:100



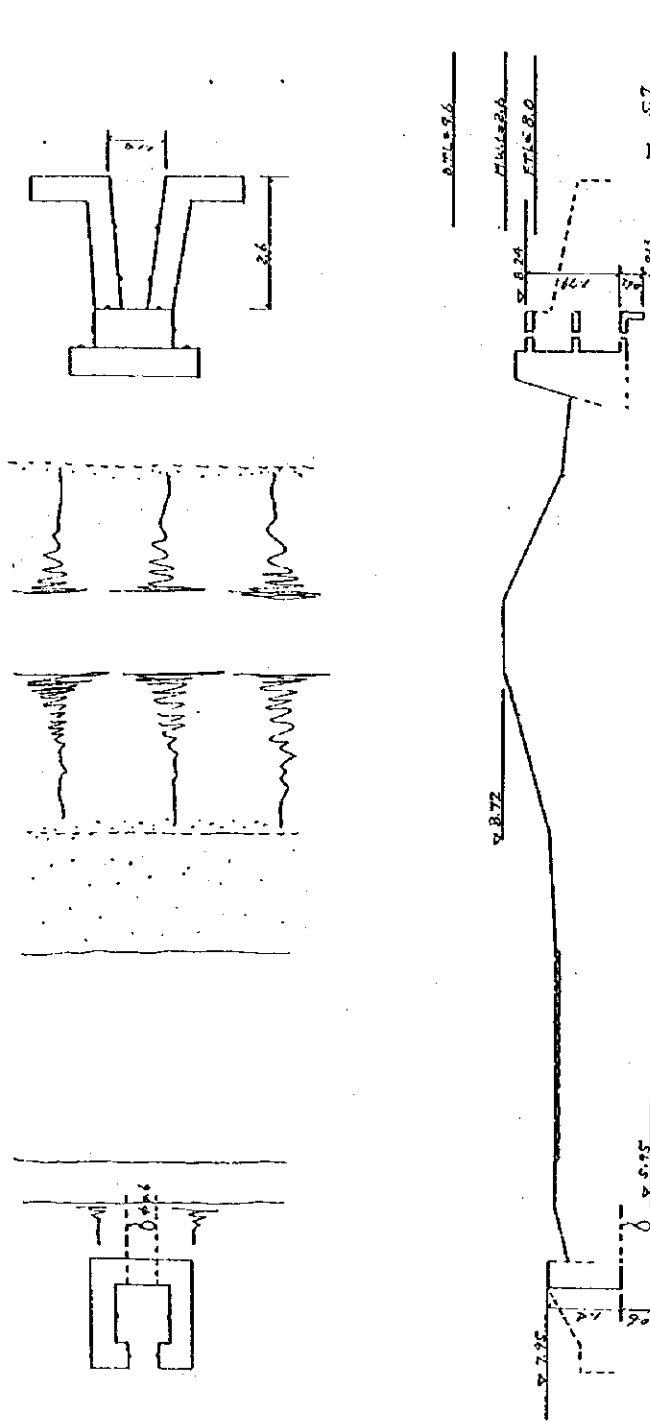
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	PANDIKANNOTTANK AREA	Sluice 10-1
ON REHABILITATION OF MINOR IRRIGATION FOR RURAL DEVELOPMENT IN TAMIL NADU	STA. X Y	H
	0+30.00 484.3 M	456.8 SO
		2.19

Pandi Kannai Sluice 10-2
1:100



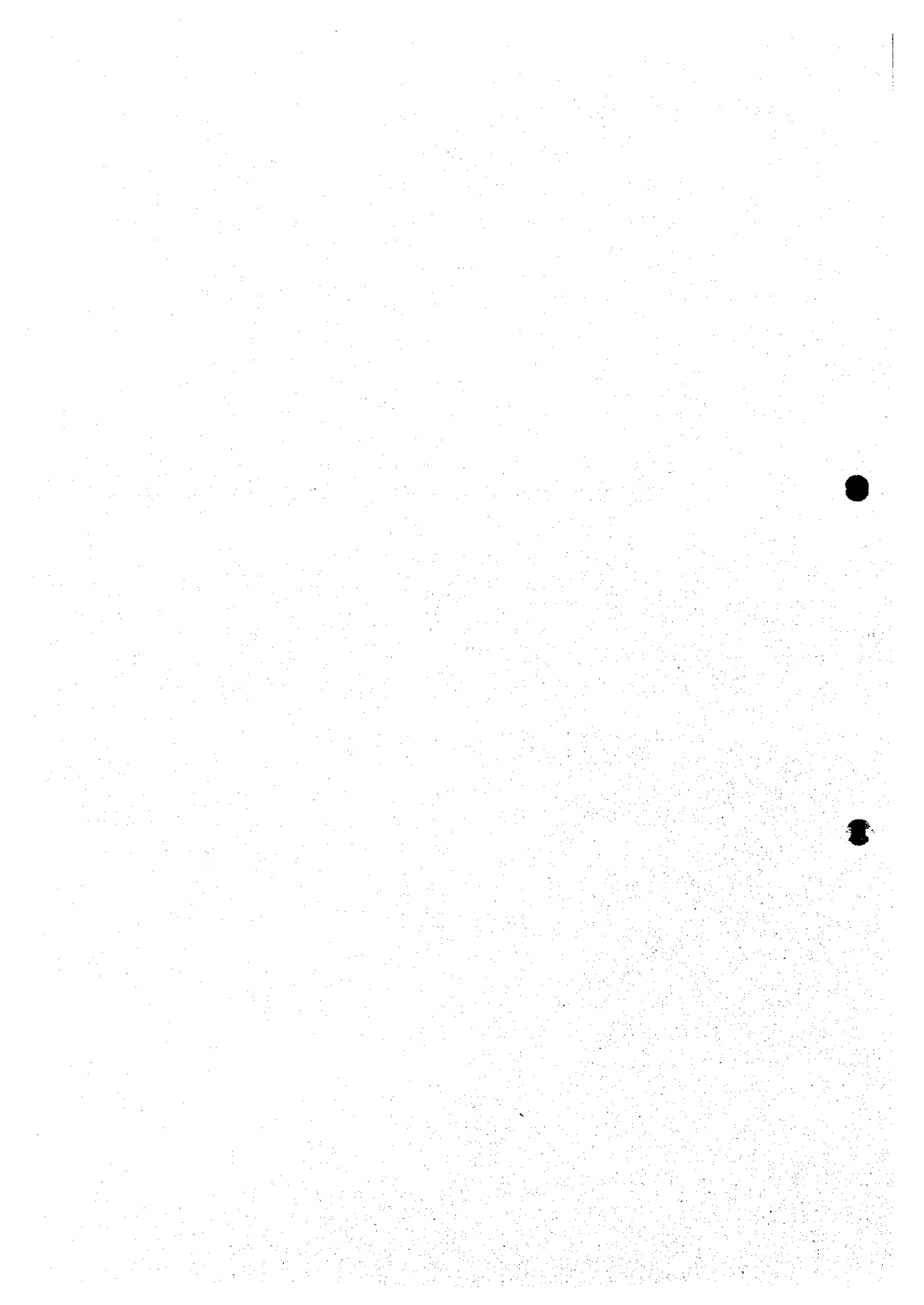
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	PANDIKANNAI TANK AREA			Sluice 10-2
STUDY ON REHABILITATION OF AMOR IRRIGATION TANKS FOR RURAL DEVELOPMENT IN TAMIL NADU	STA	X	Y	H
	0+997.38	+0922.20	4507.22	5.95

Pandikan moi Sluice 10-3
1:100



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	PANDIKANMOITANKARA	Sluice 10-3
ON ACQUISITION OF JINSE SPECIATION FOR RURAL DEVELOPMENT IN THAILAND	STA. 1 X Y	H
	1-4279/1 4572.50	4723.53
		5.70

3. SOCIAL ENVIRONMENTAL SURVEY RESULTS

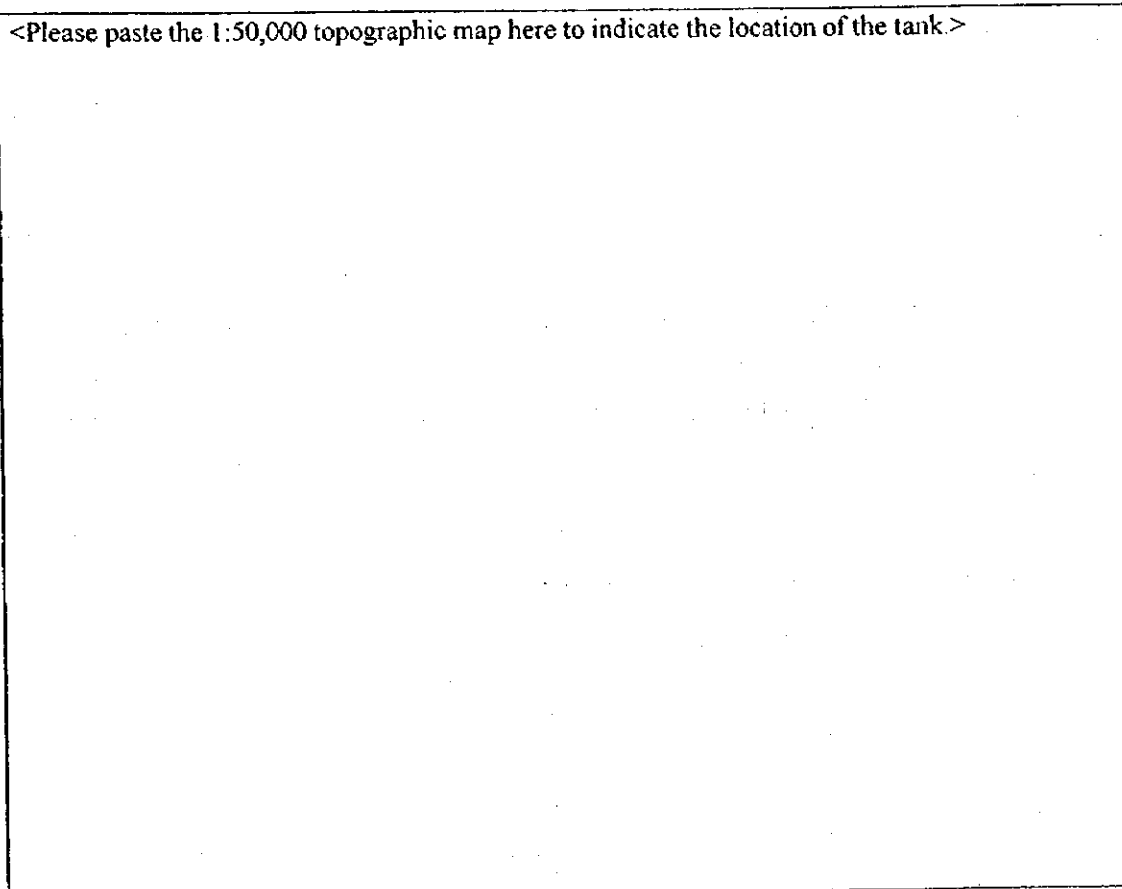


Questionnaire for Government Officers in the Study Area
(For Village Administrative Officer, Village President or Influential Persons of Each Village)

PART I: GENERAL

1. Name of Village:
2. Name of Interviewee:
3. Name of Taluk:
4. Name of Panchayat Union/Block:
5. Name of District:
6. Name of Tank:
7. Location of Tank:

<Please paste the 1:50,000 topographic map here to indicate the location of the tank.>



8. Name of Interviewer:

PART II: RURAL COMMUNITY

A. Institution and customs

1. Present situation in land tenure and land use

1) Area of each land use and land tenure

Land Use	Total Area	Value	Public Area	Land Tenure in Private Area				
				State Property	Private Property			
					Industrial	Company	Institution	Common
1. Forest:								
2. Barren & non-cultivable land:								
3. Land put on non-agri use (buildings, roads, play ground, etc.):								
4. Cultivable Waste:								
5. Permanent pasture & after grazing land:								
6. Land under misc. tree crops including groves (horticulture):								
7. Current fallow:								
8. After fallow:								
9. Net area sown:								
10. Total geological area:								
11. Area sown more than one:								
12. Total cropped area:								

5) Acreage of farm land and number of households by types of land ownership in each village

	Below 1 ha	1 - 2 ha	Above 2 ha	Landless Farming	
				Tenant	Agri. Labour
No. of Household					
Area (ha)					

2. Assets position of the villagers (other than lands)

Type	No.	Current Value	Type	No.	Current Value
Buildings			Animals:		
Machineries				
Tractors				
Power tiller				
Sprayer				
Wells and pump sets			Others:		
Bullock cart				
				

2. Farming practices

1) Direct sowing or transplanting of paddy?

Please tick. → Direct sowing Transplanting

2) Rice varieties, growing period, sharing rate of each variety

Varieties				
Share Rate				
Growing Period				

3) General cropping calendar (by bar chart)

Crops	Crop	Area	Variety	Duration	No. of Irr.		Cost of Well Irr.	Cost of Cultivation	Yield	Price
					Tank	Well				
Tank Season										
Non-tank Season										

4) Duration of tank water supply (Please tick)

1 month 2 months 3 months 4 months 5 months 6 months

5) Land preparation by man power, draft animals or machinery? (Please tick.)

Man Power Draft Animals Machinery Others (.....)

6) Role of women in farming activities

(1) (2)
 (3) (4)

7) Use of fertilizer and chemicals (general method)

Name of Fertilizer and Chemicals	Purpose	Application (Season, Quantity, etc.)

- 8) How to thresh paddy? (Please tick.)
 Manual threshing Power thresher Automatic fed thresher
 Others (.....)
- 9) How to store paddy? (Please tick.)
 Storehouse without control Controlled storehouse No storage facility
 Others (.....)
- 10) To whom to sell paddy surplus?
 Local Market Government agency Others (.....)
- 11) Yield constraints of rice production (Please enter the yield constraints in order of importance.)
 Water shortage Ill drainage
 Weeds Unleveled land surface
 Disease (.....) Pest (.....)
 Problem soil (.....) Poor cultural technology
 Financial constraints to buy inputs Others (.....)

4. The rights of the use of water and manner of water distribution

- 1) Who has the right to use water and how is the priority of usage among farmers?
.....
.....
- 2) Is there any condition to use the water? Yes no
If yes, what is the condition?
.....
.....
- 3) Please explain the manners and procedures of water distribution.
.....
.....

5. Leadership of water management

- 1) Who takes the leadership in water management?
- 2) What kind matters are determined under his leadership?
(1) (2)
(3) (4)
- 3) Please explain how these matters are determined?
.....
.....

6. The fishing rights in the pond (tank reservoir)

- 1) Who has the right to fish in the pond?
.....
- 2) Is there any condition to get fishing rights? Please tick. yes no
If yes, what is the condition?

7. The rights of community land use

1) How is the community land used?

2) Who has the right to use such lands?

3) Is there any condition to get the rights to use common lands? Please tick. yes no
If yes, what is the condition?

8. Present situation of employment in the village

Rate of unemployed persons for working population %

9. Organization of the village administrative office (Present administrative and sociological constraints encountered in your village)

1) Are there any conflicts among the tribes, religions or classes of caste in your village? yes no

If yes, what kind of conflicts are taken place?

(1) (2)
(3) (4)

2) Other constraints, if any?

(1)
(2)

3) Who and how to solves such constraints and conflicts if any?

(1) Who:
(2) How:

4) If these constraints and conflicts could not be solved by the chairman, whom do you contact?

(1) (2)
(3) (4)

5) What is the socio-administrative matter that the chairman has severely got into trouble at present?

10. Maintenance of irrigation facilities

1) Who has the responsibility for maintenance of irrigation facilities?

2) Who takes the leadership in maintenance of facilities?

3) Who participate in such maintenance works?
.....

4) How often such maintenance works are carried out?

Type of Works	Frequency	Type of Works	Frequency

B. Social condition of village

1. Rural infrastructures (Please lay down in a map as required)

- 1) Roads (road system, width, pavement, traffic, etc.)
- 2) Facilities of transport and marketing of agricultural products, e.g. processing facilities, cereal storehouse, markets, etc.
- 3) Post offices, telegraph and telephone offices; number of telephone sets and telephone circuits, telephone charges (..... Rs/min)

4) Electric supply

- (1) How many percent of households has the electric supply in the village?
- (2) What is the agency to supply electricity in the village?
- (3) Electric fees
- (4) How much do the average farmer pay for electric supply? Rs

5) Domestic water supply

Source of Water	Piped Supply System	Shallow Well	Deep Well	River Water	Others (.....)
Percentage					
Supply Capacity					
Water Quality					
Property (Please tick.)	<input type="checkbox"/> Communal <input type="checkbox"/> Private	<input type="checkbox"/> Communal <input type="checkbox"/> Private	<input type="checkbox"/> Communal <input type="checkbox"/> Private	<input type="checkbox"/> Communal <input type="checkbox"/> Private	<input type="checkbox"/> Communal <input type="checkbox"/> Private

6) Medical institutions (public and private) including primary health care center and Ayurveda

Institutions	No. of beds	No. of Doctors	No. of Other Staff

7) Number of dumps for refuse:

8) Number of stores by type

Type of Stores	Available Number

9) Name of nearest urban place and distance: km from

(Map of the village indicating infrastructures)

2. Farmers' housing situation

	Own House		Relatives' or Parents' House without Payment	Tenant with Payment to Owner	Others (.....)
	Touched	Tiled			
No. of Households					

3. Support activities for farmers

1) What kind of agricultural credits are available for farmers?

Name of Credit	Kind	Terms for Borrowing	Results in 1996	Remarks

- 2) What kind of agricultural extension works are available for farmers? (kinds of extension activities, organization of extension works)

Name of Activity	Kind	Organization	Remarks

- 3) Government subsidy for farming and farmers, e.g. for buying farm machinery, farm land and farming materials, for building granary, processing facilities and market and for livelihood improvement

Name of Government's Subsidy	Purpose

4. Present state of rural community in village

- 1) Official and customary methods of communication from village to villagers and methods of reflecting the villagers' opinions to the village

- (1) Village to villagers
- (2) Villagers to village

- 2) Races and caste groups in village (including the minority races) and religions of villagers

Races or Cast Groups	Population (%)	Religions	Races or Cast Groups	Population (%)	Religions

- 3) Standard of education in village

Education	Share Enrollment (%)
Not received primary education	
Receiving or received primary education	
Receiving or received higher education	

- 4) Habitual mutual aids in rural community

- (1) Obligations to maintain the social conditions in village, e.g. repairing roads, labor services to irrigation canals, obligations to traditional festivals and religious ceremonies

- (2) Mutual aids of villagers, e.g. in case of building houses, funeral, marriage, childbirth, no cash to buy something and food and meals, etc.

5. Family size and standard of living

1) Number of households by family size in village

Family Size	Below 2	2 - 4	5 - 10	Above 10
No. of Household				

2) Number of farm households by family size in village

Family Size	Below 2	2 - 4	5 - 10	Above 10
No. of Household				

3) Gender

(1) Role of women in the typical farm household.

(a) (b)
 (c) (d)

(2) Wages for women

Type of Work	Wages	Type of Work	Wages

(3) Inheritance of property (Please tick)

Equal division Eldest son Others (.....)

4) % of farm households having farming successors: %

5) Daily working hours in farming in each season by sexes

Season			
Men			
Women			

6) Eating habits in village (Please tick.)

Breakfast Lunch Supper

7) Standard of living in village

(1) % of food and drink expenses for whole living expenditure %

(2) Spread rate of radios, black-and- white televisions, color televisions, electric washing machines, electric refrigerators, air conditioners, motorcycles, trucks and motorcars in village

Item	Rate (%)	Items	Rate (%)
Radios		Motorcycles	
Black and white televisions		Trucks	
Color televisions		Motorcars	
Electric washing machine			
Electric refrigerators			
Air conditioners			

(3) Decision-maker in typical family (Property management and inheritance, domestic account, occupations of family members, school attendance, attendance to village's meeting, mutual aids in community and divorce)

.....

3) Number of farm households and working population

Type of Household	Full-time Farm Households	Part-time Farm Household		Tenant Farmers	Others (.....)
		Mainly Engaging in Farm	Engaging in Other Jobs than Farming		
No. of Household					
Population					

7. Frequency of conflicts and settlement

Type of Conflicts	Frequency	Settlement

C. Present social problems and administrative action

1. Present administrative and social constraints encountered in village

- 1) 2)
 3) 4)

2. Projects and programs to activate agriculture and rural community

1) Projects and programs being proceeded and pland

Name of Project/Program	Categories of Project/Program (Tick please)		
	<input type="checkbox"/> On-going	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Long-term
	<input type="checkbox"/> On-going	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Long-term
	<input type="checkbox"/> On-going	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Long-term
	<input type="checkbox"/> On-going	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Long-term
	<input type="checkbox"/> On-going	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Long-term

2) How do you think the influence of construction of irrigation facilities by this project on rural community?

(1) Influence for social life

a. For farmers' life

.....

b. For population in the project area

.....

c. Change of farmers' economical activities

.....

.....

- d. Change of system and customs in rural community
.....
.....
- (2) Influence on health and sanitation of farmers in the project area
 - a. Increase of quantity of farm chemicals used and accumulation of residual toxicity
.....
.....
 - b. Spreading endemic diseases and diseases by irrigation
.....
.....
 - c. Spreading infectious diseases
.....
.....
 - d. Influence on quality and quantity of drinking water
.....
.....
 - e. Accelerating pollution with excrement of livestock for groundwater by irrigation
.....
.....
 - f. Increase of wastes and residues with farming production and disposal measures of them
.....
.....

3. What is the expectation from the government?
.....
.....

PART III: FARMERS' ORGANIZATION

1. Farmers Organization

1) How many farmers' organizations are available in the area including formal and informal organizations?

Type of Organization	Name of Organization	Activities	Number of Members

2. Water Users' Association

1) Number of members, and requirement of membership

Holding Agricultural Area	Number of Members	Holding Agricultural Area	Number of Members
below 1.0 ha		4.0 - 10.0 ha	
1.0 to 2.0 ha		10.0 ha above	
2.0 to 4.0 ha		Total	

Requirement of membership → yes no

If yes, what is the condition?

2) Organizational structure (Please draw the organization chart below.)

3) Staffing (total number, number of each section and their training system)

Section					
No. of Staff					

4) Responsibilities and duties of the president

- 1) 2)
 3) 4)

5) How to elect the president?

- Election among members Appointment by village leader Others (.....)

6) Annual budget Rs.

7) Present administrative and sociological constraints encountered in your village.

(1) Are there any conflicts among the tribes, religions or classes of caste in your village?

☞ yes no

If yes, what kind of conflicts are taken place?

- (a) (b)
 (c) (d)

(2) Other constraints if any?

- (a)
 (b)

(3) Who and how to solves such constraints and conflicts?

.....

(4) If these constraints and conflicts could not be solved by the president, whom do you contact?

.....

(5) What is the socio-administrative matter that the president has severely got into trouble at present?

- (a)
 (b)

8) Water management

(1) The period when the tank water is available: From to

- (2) Availability of water management rule → yes no
- (3) How/who decides time and order to start irrigation water delivery?

- (4) How/who operates the main gate at the main canal?

- (5) How/who operates turnouts?

- (6) Irrigation rotational system

- (7) Overflooding irrigation method? → yes no
- (8) Maintenance of canals (desilting, weeding, canal shaping, some repairs, etc.)

- (9) How to maintain canals by farmers' themselves, if some farmers do not attend to go to field for maintenance, how to compensate for this work by those farmers?

- (10) Is there any troubles with irrigation water supply among the farmers ? yes no
- (11) In which year could all the command area be irrigated by tank? Year of

3. Agricultural Cooperatives

1) Organizational structure (Please draw the organization chart below)

2) Number of members, requirements for membership

Holding Agricultural Area	Number of Members	Holding Agricultural Area	Number of Members
below 1.0 ha		4.0 - 10.0 ha	
1.0 to 2.0 ha		10.0 ha above	
2.0 to 4.0 ha		Total	

Requirement of membership → yes no

If yes, what is the condition?

3) Activities/Services made in 1995-96

Activities/Services	Quantities	Beneficiaries	Amount

4) Staffing (total number, number of each section)

Section				
No. of Staff				

5) Responsibilities and duties of the president

1) 2)
 3) 4)

6) How to elect the president?

Election among members Appointment by village leader Others (.....)

7) Annual budget and government subsidies Rs.

8) Present administrative and sociological constraints encountered in operation.

(1) Are there any conflicts among the tribes, religions or classes of caste in your village?

↳ yes no

If yes, what kind of conflicts are taken place?

(a) (b)
 (c) (d)

(2) Other constraints if any?

(a)
 (b)

(3) Who and how to solve such constraints and conflicts if any ?

.....

(4) If these constraints and conflicts could not be solved by the president, whom do you contact ?

.....

(5) What is the socio-administrative matter that the president has severely got into trouble at present ?

(a)
 (b)

4. Other Organizations

1) Organizational structure (Please draw the organization chart below.)

2) Number of members, requirements for membership

Holding Agricultural Area	Number of Members	Holding Agricultural Area	Number of Members
below 1.0 ha		4.0 - 10.0 ha	
1.0 to 2.0 ha		10.0 ha above	
2.0 to 4.0 ha		Total	

Requirement of membership → yes no

If yes, what is the condition?

3) Activities/Services made in 1995-96

Activities/Services	Quantities	Beneficiaries	Amount

4) Staffing (total number, number of each section)

Section					
No. of Staff					

5) Responsibilities and duties of the president

(1) (2)
 (3) (4)

6) How to elect the president?

Election among members Appointment by village leader Others (.....)

7) Annual budget and government subsidies Rs.

8) Present administrative and sociological constraints encountered in operation.

(1) Are there any conflicts among the tribes, religions or classes of caste in your village?

☞ yes no

If yes, what kind of conflicts are taken place?

(a) (b)

(c) (d)

(2) Other constraints if any?

(a)

(b)

(3) Who and how solves such constraints and conflicts if any ?

.....

.....

(4) If these constraints and conflicts could not be solved by the president, whom do you contact ?

.....

.....

(5) What is the socio-administrative matter that the president has severely got into trouble at present ?

(a)

(b)

5. What government's support services do you think necessary for present farming?

Please tick.

Development/improvement of irrigation facilities

Development/improvement of on-farm road

Technology extension

Farming funds

Development of market

Subsidy of input materials

Others (.....)

END

(3) Who manages these?
.....

(4) Have you any suggestion to make in this area?
.....
.....

5) Expenditure a year in your family

(1) Expenditure for farming: Rupees
including purchase of seeds, farm materials, payment of wages to casual laborers, etc.

(2) Expenditure required to earn non-agricultural income: Rupees

(3) Living expenditure a year
Foods and drinks expenses Rupees

Other expenses Rupees

Taxes and obligations Rupees

Deposits and saving Rupees

Total outgo a year Rupees

(4) Please enter the insufficient things in your living and reasons of their shortage.

(a)

(b)

(c)

(d)

4. Farmer's intention

1) How do you think your present level of living?

High level Average level Low level

2) How much is your expecting annual income? Rupees

3) Do you have any intention to keep up farming or not? Yes no

If yes, why?
.....
.....

4) Can you keep the successors of farming? Yes no

5) Are labors engaged farming in your household short or enough? Yes no

6) How do you improve your farm management to increase income?
.....
.....

7) If you intend increase non-agricultural income, what is the jobs?

(1) (2)

(3) (4)

8) After improvement of irrigation facilities, you will get more income than now. How do you intend to change your livelihood?
.....
.....

5. Health status

- 1) What are the common illnesses in your family (kindly tick from the followings)?
 Diarrhoea Rheumatic complaints Fever Typhoid
 Any other (.....)

- 2) Where do you go when you are sick (kindly tick from the followings)?
 PHC Government hospital Private doctor/private dispensary
 (Kindly tick)

- 3) Has there been any deaths in your family in the last five years? yes no
 If yes, what was the cause?

- 4) Has any children in your family died within a week of being born? yes no
 before completing one year? yes no
 before completing five year? yes no
 If yes, what was the cause?

6. Extension service

- 1) Do you go to the block officer? yes no (Kindly tick)
 If yes how often?
- Why do you go?

- 2) What kind of services do you get from the followings?

Officers	Information	Loans	Seeds	Manure	Any other
BDO					
RWO					
EOS					

- 5) What is your suggestion about these services?

7. Please tick the constraints encountered in your family

- 1) Constraints in farming
- | | | |
|--|---|---|
| <input type="checkbox"/> High input costs | <input type="checkbox"/> Water scarcity | <input type="checkbox"/> Water certainty |
| <input type="checkbox"/> Labor scarcity | <input type="checkbox"/> High wage rate | <input type="checkbox"/> Lack of bullock cart |
| <input type="checkbox"/> Lack of seedlings/seeds in time | <input type="checkbox"/> Pest and disease | <input type="checkbox"/> Low yield |
| <input type="checkbox"/> Lack of market facilities | <input type="checkbox"/> Lack of money | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2) Constraints in living

- | | | |
|---|---|--|
| <input type="checkbox"/> High costs of food materials | <input type="checkbox"/> Indebtedness | <input type="checkbox"/> Unemployment |
| <input type="checkbox"/> High education costs | <input type="checkbox"/> Poor health facilities | <input type="checkbox"/> Lack of housing |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

8. Woman (Participation in farm economy)

1) Types of work

- (1) (2)
(3) (4)

2) Wages

.....
.....

9. Please enter your expectation for the Government in the order of importance

- () Rehabilitate the tank in time
() Increase the water storage from other sources such as rivers/canals
() Provide good link roads
() Rights to fish and raise forestry in the tank foreshore
() Community wells
() More O&M budget to tank
() Others (.....)

10. Expectation for this project

1) If you have demand for the irrigation facility, please tick the following.

- | | | |
|---|--|--|
| <input type="checkbox"/> More catchment treatment | <input type="checkbox"/> Desilting | <input type="checkbox"/> Community wells |
| <input type="checkbox"/> Canal lining | <input type="checkbox"/> On-farm development | <input type="checkbox"/> Sluice re-structuring |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2) Do you have intention to contribute positively the water charge and to participate the maintenance and management of irrigation facilities through the water use association?

↳ yes no

If no, what is the reason?

.....
.....

3) Other expectation?

- | | | |
|--|--|--|
| <input type="checkbox"/> Increase output price | <input type="checkbox"/> Deduction of fertilizer price | <input type="checkbox"/> Invest to system tank |
| <input type="checkbox"/> Regular O&M budget | <input type="checkbox"/> | <input type="checkbox"/> |

END