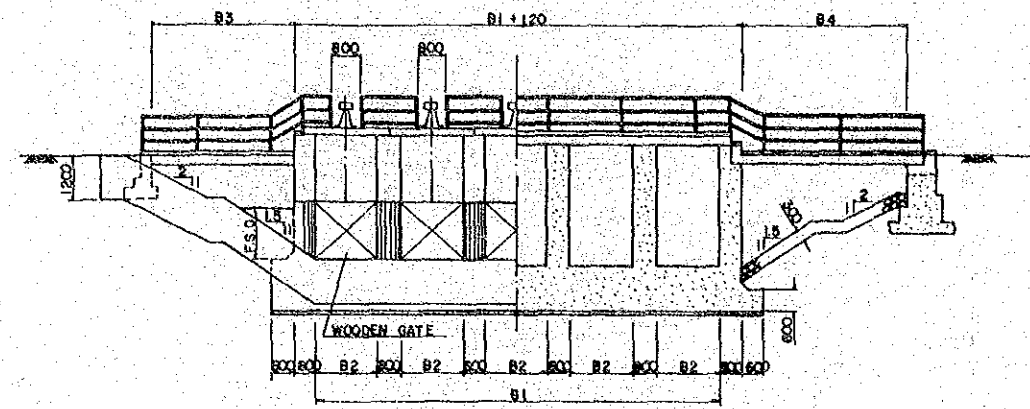
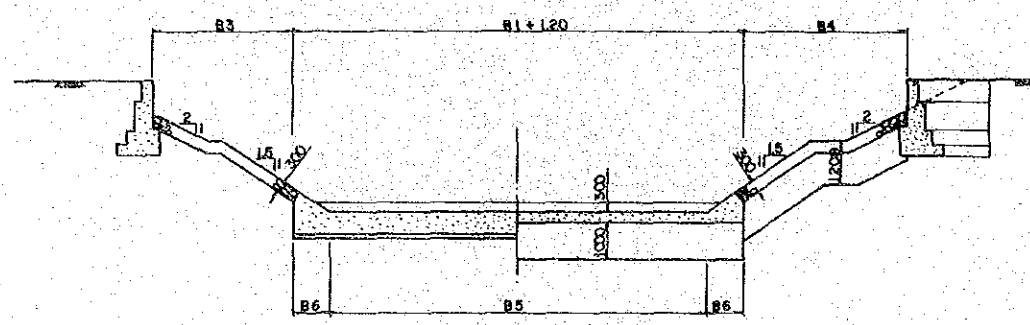


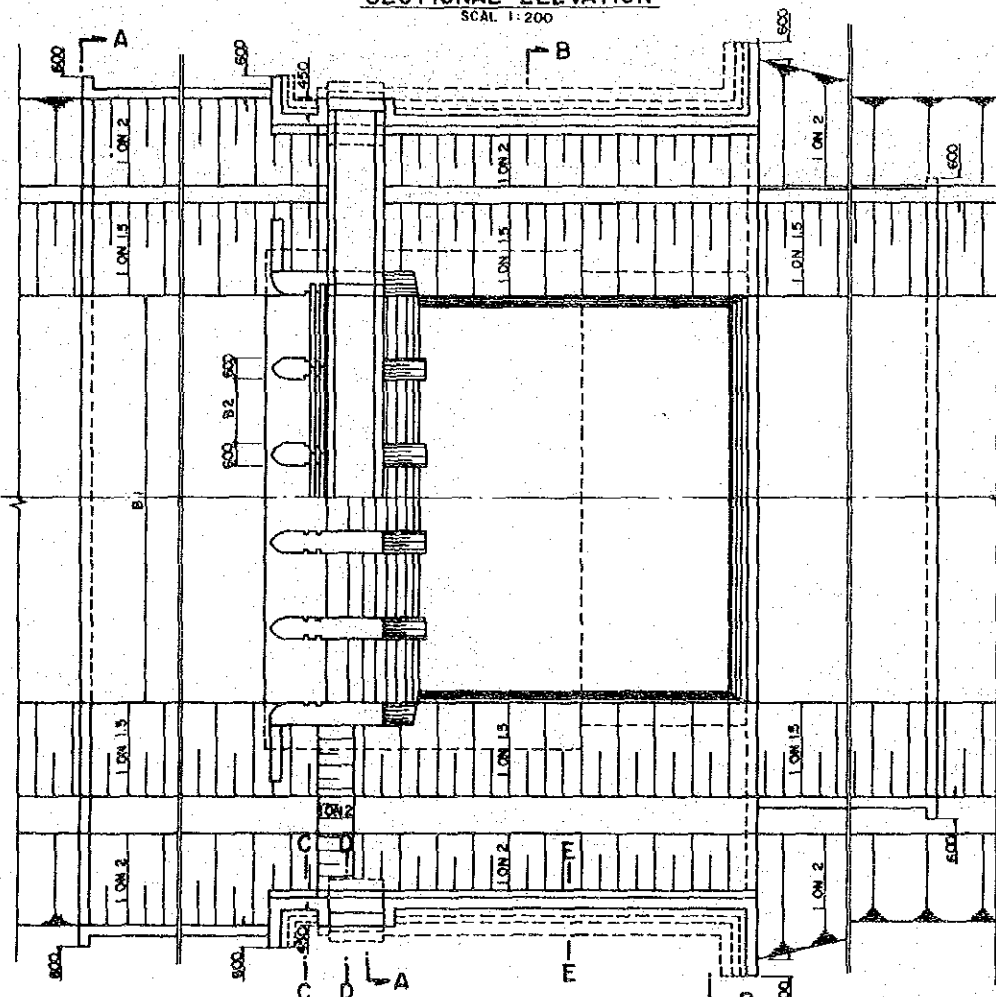
SECTIONAL ELEVATION  
SCALE 1:200



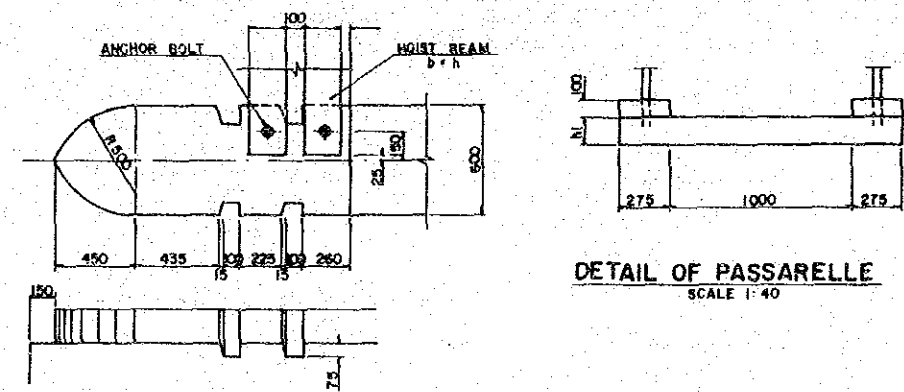
SECTION A-A  
SCALE 1:200



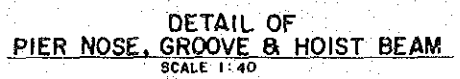
SECTION B-B  
SCALE 1:200



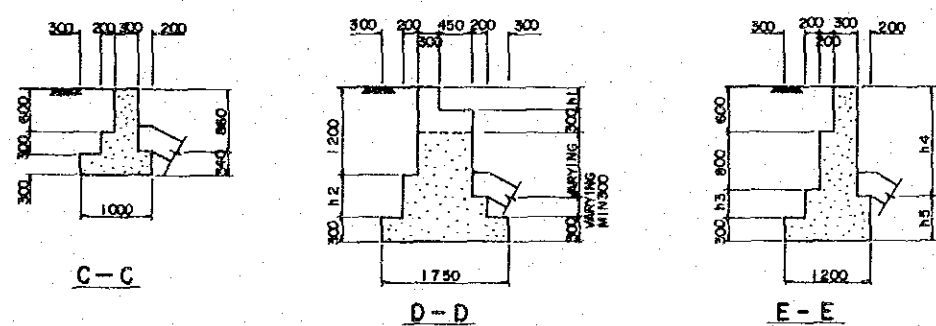
PLAN  
SCALE 1:200



DETAIL OF PASSARELLE  
SCALE 1:40



DETAIL OF PIER NOSE, GROOVE & HOIST BEAM  
SCALE 1:40



DETAIL OF RETAINING WALL & ABATMENT  
SCALE 1:100

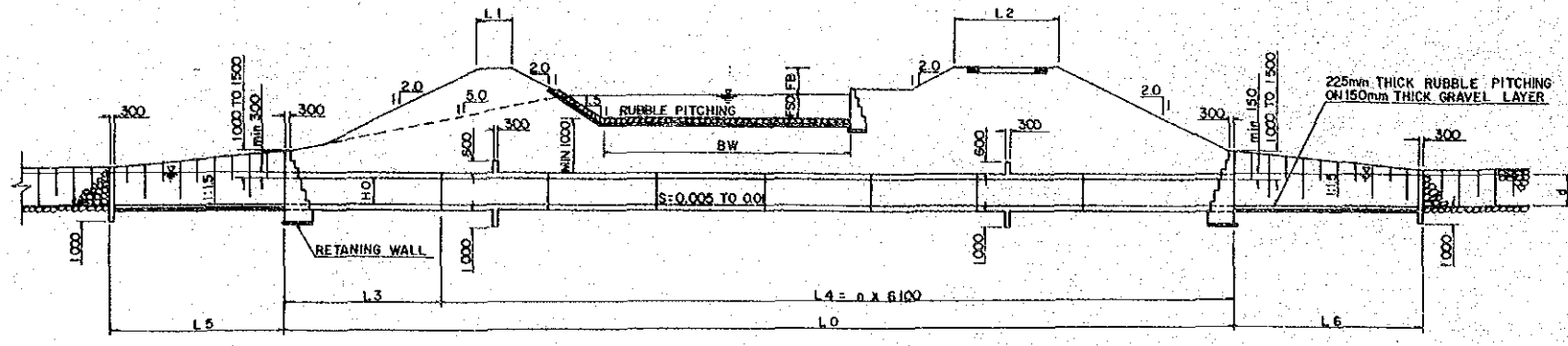
DIMENSIONS

STAGE	I-1	I-2	II-1	II-2	III	IV
Nos. of Gates	7	7	5	5	5	2
B1	15.00	14.00	11.00	9.00	9.00	4.00
B2	1.63	1.49	1.72	1.32	1.32	1.70
B3	3.90	3.90	3.90	3.75	3.75	3.40
B4	4.60	4.60	4.60	4.45	4.45	4.10
B5	13.80	13.40	10.40	8.40	8.40	3.40
B6	1.20	0.90	0.90	0.90	0.90	0.90
H1	1.55	1.52	1.53	1.47	1.47	1.37
H2	1.85	1.82	1.82	1.77	1.77	1.67
H3	0.40	0.20	0.20	0.20	0.20	0.20
h1	0.20	0.20	0.20	0.20	0.20	0.15
h2	0.96	-	-	-	-	-
h3	0.76	-	-	-	-	-
h4	1.86	0.86	0.86	0.86	0.86	0.86
h5	0.60	0.34	0.34	0.34	0.34	0.34
FSD	1.40	1.37	1.38	1.32	1.32	1.22
L1	12.00	11.00	9.00	8.00	8.00	3.00
L2	3.50	1.20	1.20	1.20	1.20	1.20
L3	3.70	4.10	4.10	4.00	4.00	3.70
L4	3.30	0.90	0.90	1.00	1.00	1.30
L5	13.35	8.65	8.65	8.65	8.65	8.65
L6	8.00	5.00	5.00	5.00	5.00	5.00

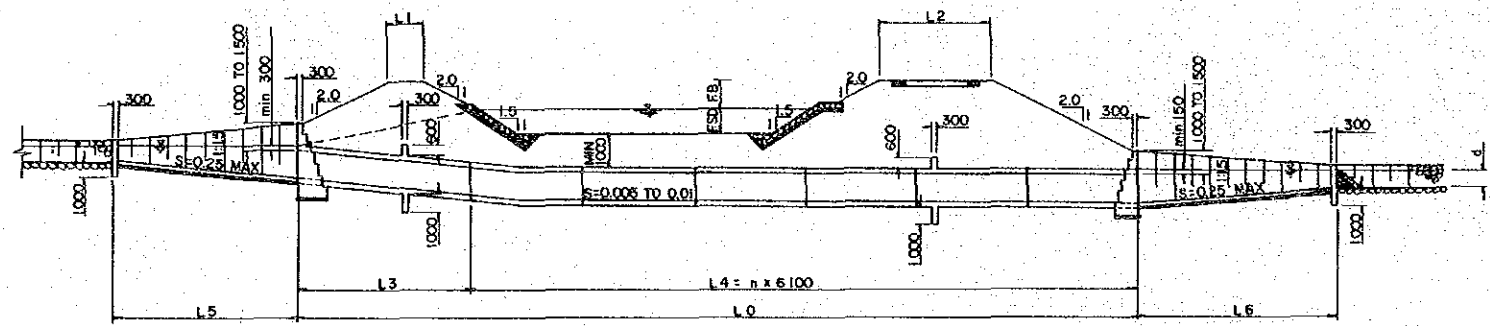
GOVERNMENT OF SRI LANKA  
 MINISTRY OF LANDS AND LAND DEVELOPMENT  
 REHABILITATION OF  
 MINPE IRRIGATION SCHEME  
 GATED REGULATOR  
 DATE MARCH 18, 1986 D.W.G. No. 04  
 JAPAN INTERNATIONAL COOPERATION AGENCY



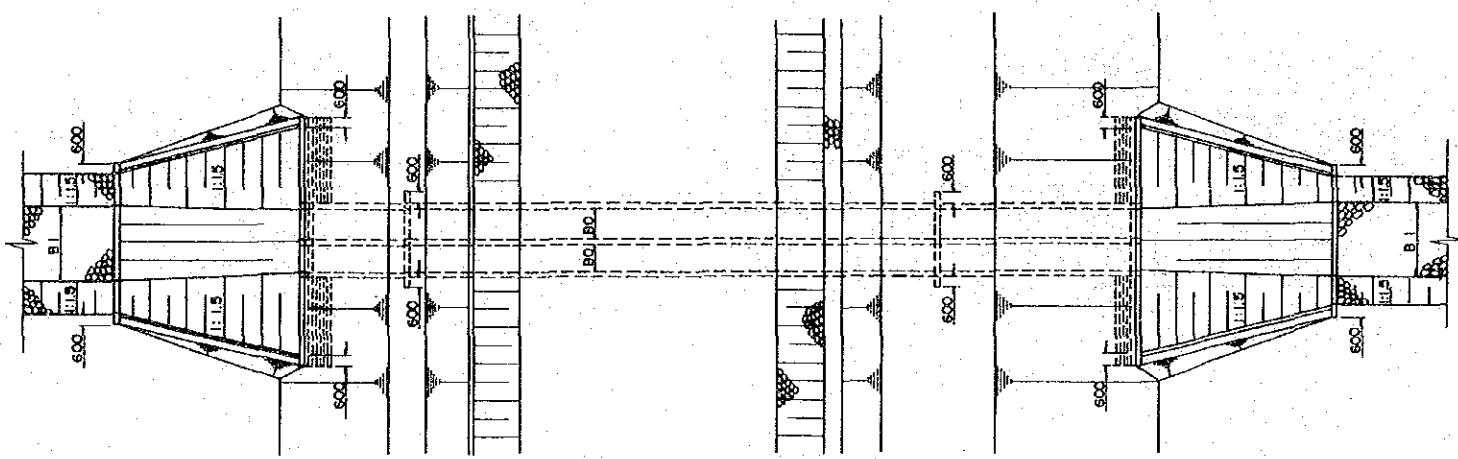




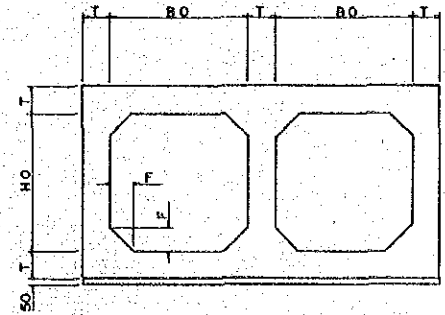
SECTIONAL ELEVATION (TYPE A)  
SCALE 1:400



SECTIONAL ELEVATION (TYPE B)  
SCALE 1:400



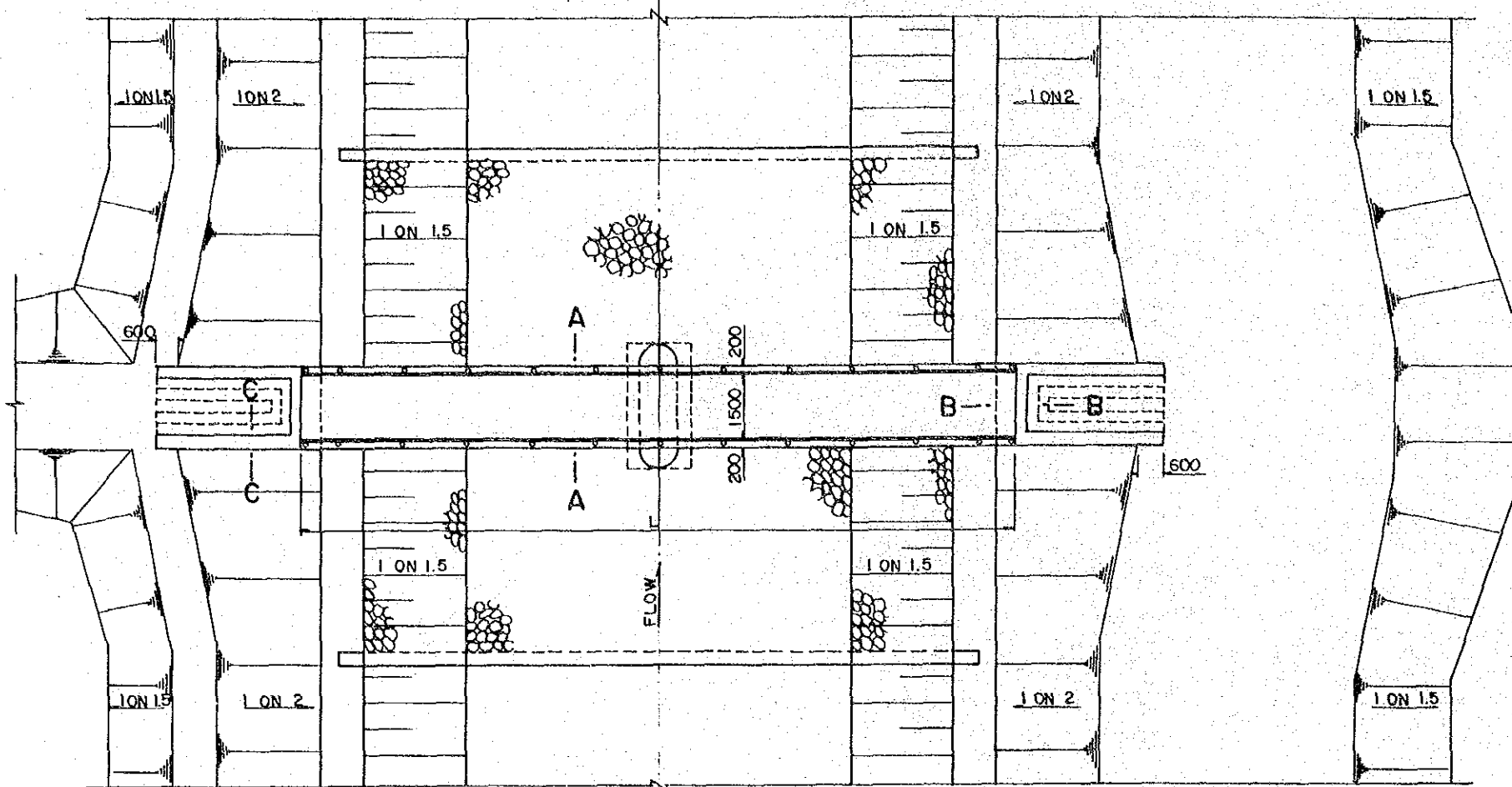
PLAN  
SCALE 1:400



DISCHARGE (cumec)	SIZE (mm) No/Bo x Ho	T (mm)	F (mm)	L5 (mm)	L6 (mm)
≤ 0.5	1/600	-	-	5000	5000
≤ 1.0	2/600	-	-	5000	5000
≤ 2.0	1/1000 x 1000	225	150	5000	5000
≤ 4.5	1/1500 x 1500	225	200	5000	6000
≤ 8.0	1/2000 x 2000	300	200	7000	7000
≤ 10.0	2/1500 x 1500	225	200	10000	11000
≤ 16.0	2/2000 x 2000	300	200	13000	14000
≤ 24.0	3/2000 x 2000	300	200	20000	21000

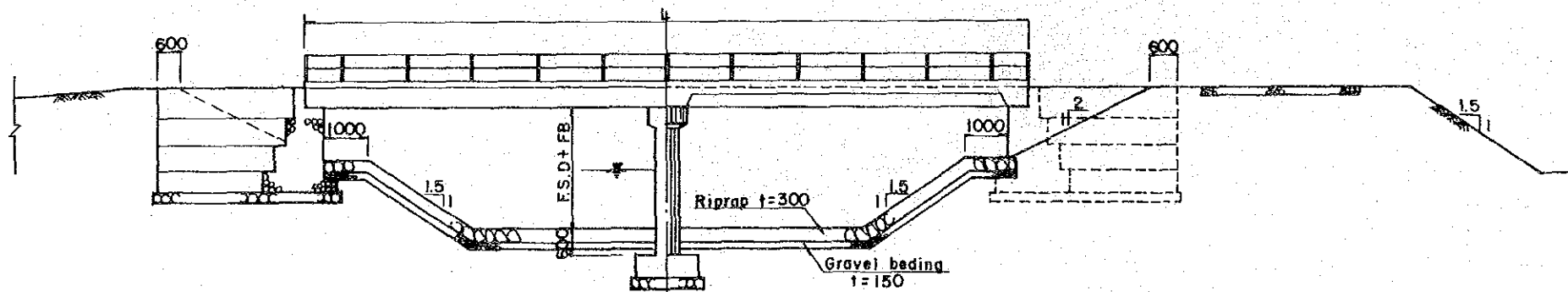
DISCHARGE (cumec)	CANAL (m)		
	B1	min. d	max. slope
≤ 0.5	1.00	0.30	0.0080
≤ 1.0	1.50	0.30	0.0060
≤ 2.0	2.00	0.40	0.0050
≤ 4.5	2.50	0.50	0.0025
≤ 8.0	3.00	0.80	0.0015
≤ 10.0	4.00	0.90	0.0015
≤ 16.0	6.00	1.00	0.0015
≤ 24.0	10.00	1.00	0.0010

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
MINPE IRRIGATION SCHEME  
  
DRAINAGE UNDERCROSSING  
  
DATE MARCH 18, 1986 D.W.G. No. 07  
JAPAN INTERNATIONAL COOPERATION AGENCY

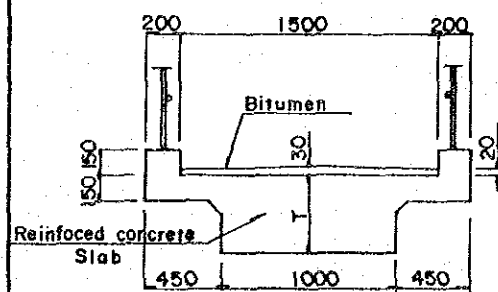
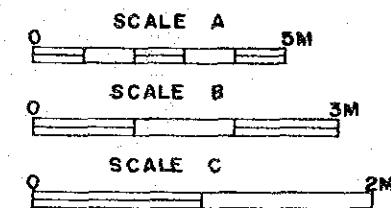


PLAN  
SCALE A

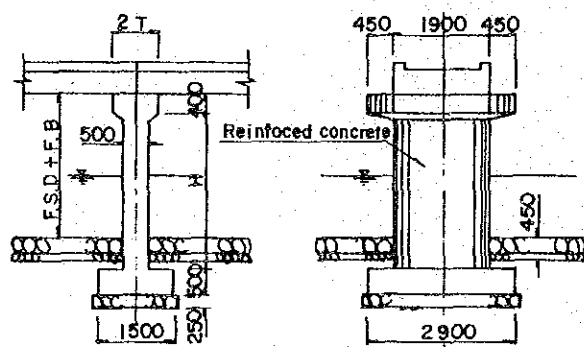
DIMENSIONS						
STAGE	I - 1	I - 2	II - 1	II - 2	III	IV
L	23.00	22.00	19.00	16.70	16.70	11.40
B	3.10	3.10	3.10	3.00	3.00	2.80
T	0.50	0.50	0.45	0.45	0.45	0.35
h	0.50	0.50	0.50	0.50	0.50	0.40



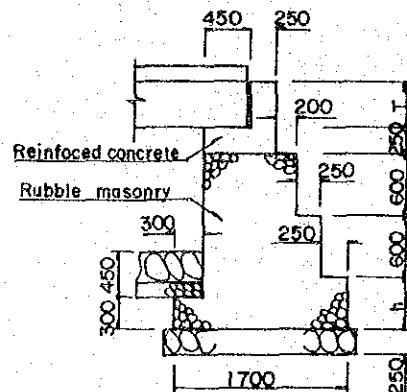
PROFILE  
SCALE A



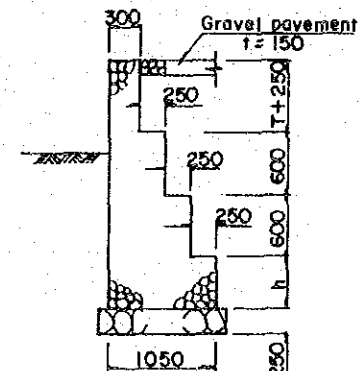
SECTION A-A  
SCALE C



PIER  
SCALE A



ABUTMENT B-B  
SCALE B

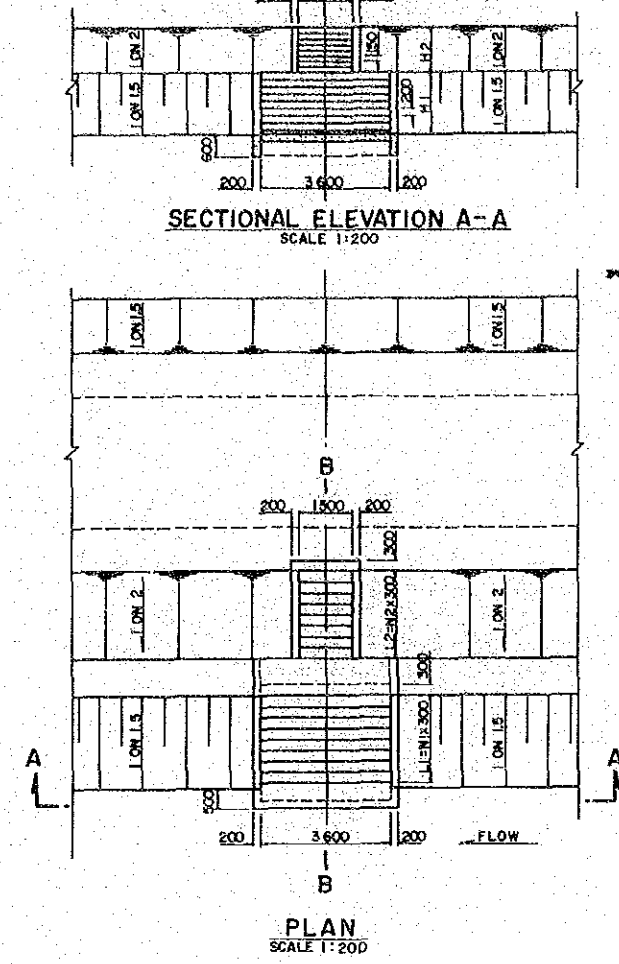
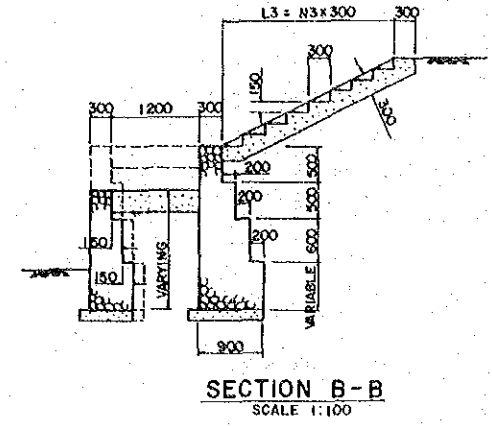
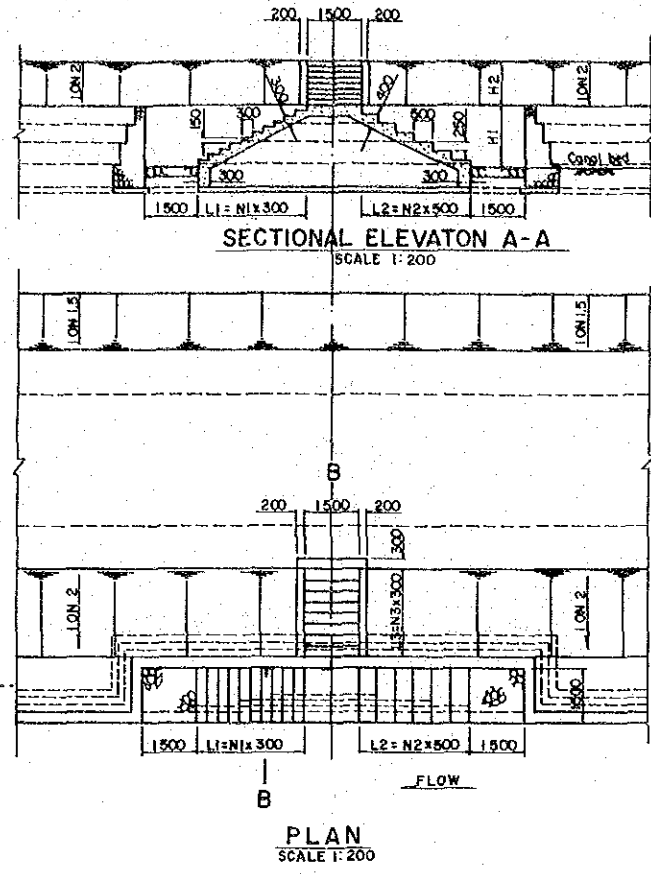


SECTION C-C  
SCALE B

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
MINPE IRRIGATION SCHEME  
  
FOOT BRIDGE  
  
DATE MARCH 18, 1986 D.W.G. No. 08  
JAPAN INTERNATIONAL COOPERATION AGENCY

**BATHING & WASHING PLACE (TYPE A)**

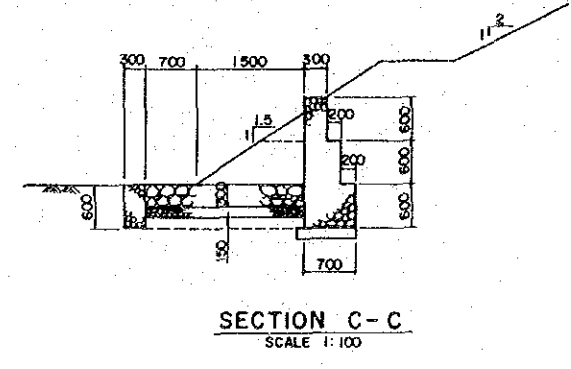
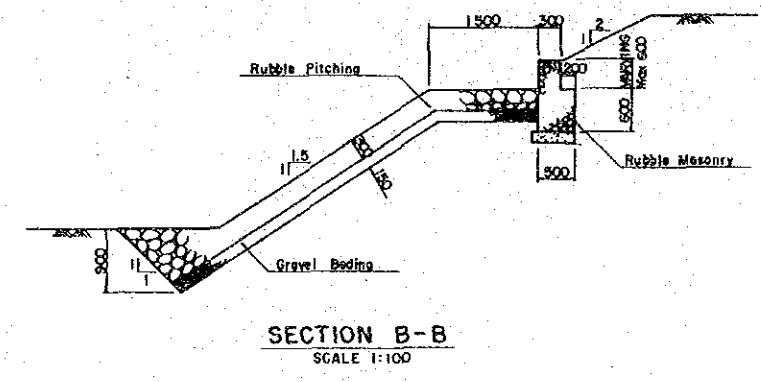
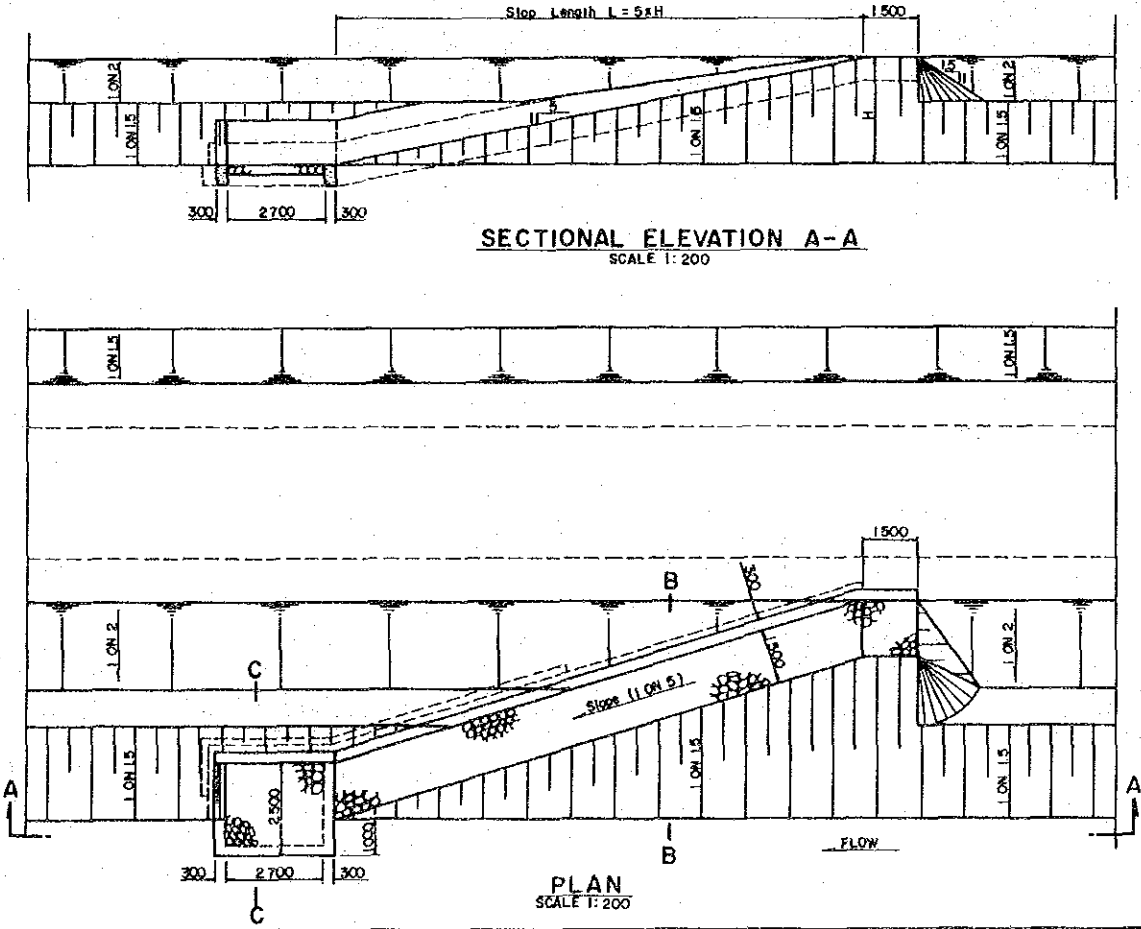
**BATHING & WASHING PLACE (TYPE B)**



STAGE	H1	H2	L1	L2	L3	N1	N2	N3
I	1.70	1.20	3.30	3.00	2.40	11	6	8
II-2	1.60	1.20	3.00	3.00	2.40	10	6	8
III	1.60	1.20	3.00	3.00	2.40	10	6	8
IV	1.50	1.10	3.00	3.00	2.10	10	6	7

STAGE	H1	H2	L1	L2	N1	N2
II-1	1.70	1.20	2.40	2.40	8	8
II-2	1.60	1.20	2.40	2.40	8	8
III	1.60	1.20	2.40	2.40	8	8
IV	1.50	1.10	2.10	2.10	7	7

**ACCESS SLOPE FOR BUFFALOS**

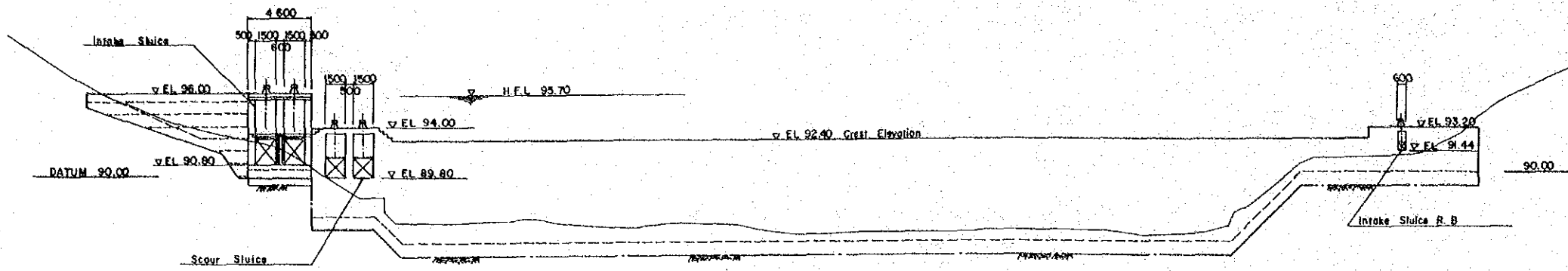


STAGE	H	L(Slope Length)
II-1	2.90	14.5
II-2	2.80	14.0
III	2.80	14.0
IV	2.60	13.0

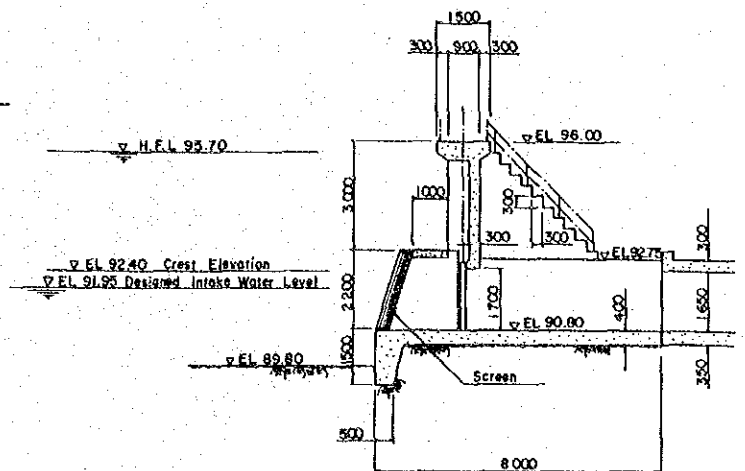
GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
MINPE IRRIGATION SCHEME

**BATHING & WASHING PLACE**

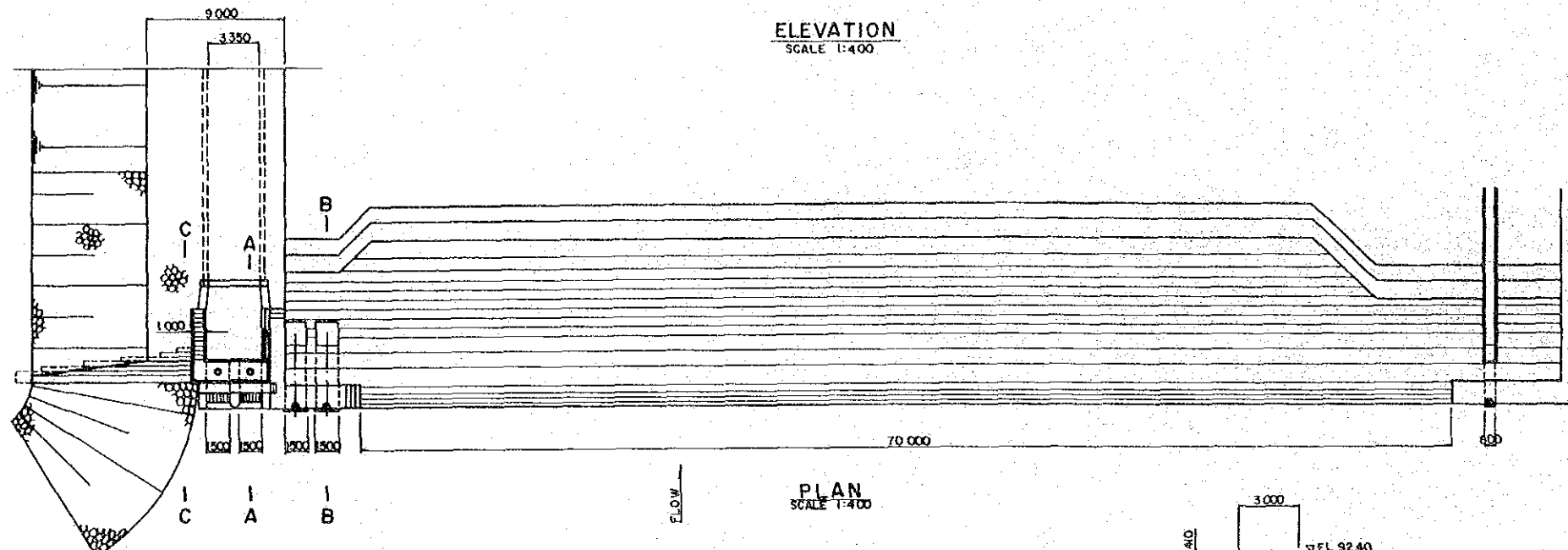
DATE MARCH 18, 1986 D.W.G. No. 09  
JAPAN INTERNATIONAL COOPERATION AGENCY



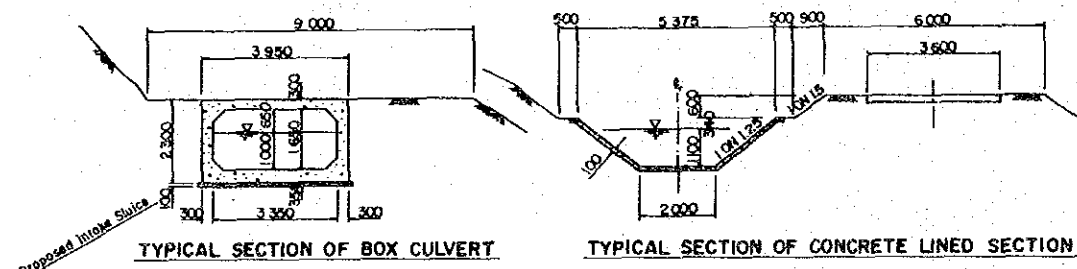
ELEVATION  
SCALE 1:400



INTAKE SLUICE SECTION A-A  
SCALE 1:200

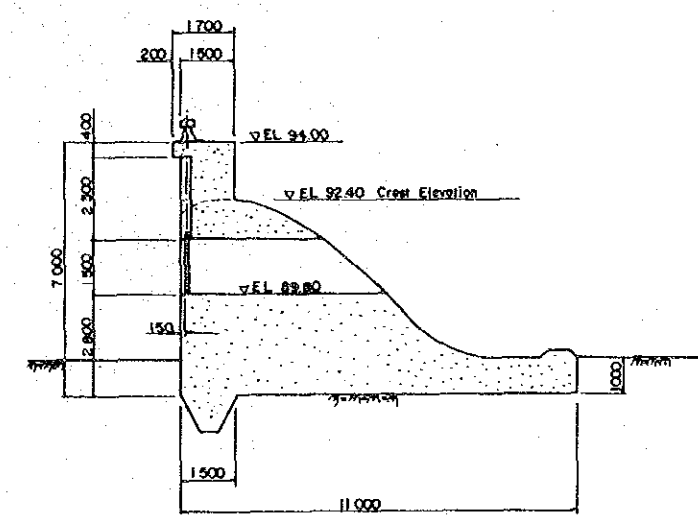


PLAN  
SCALE 1:400

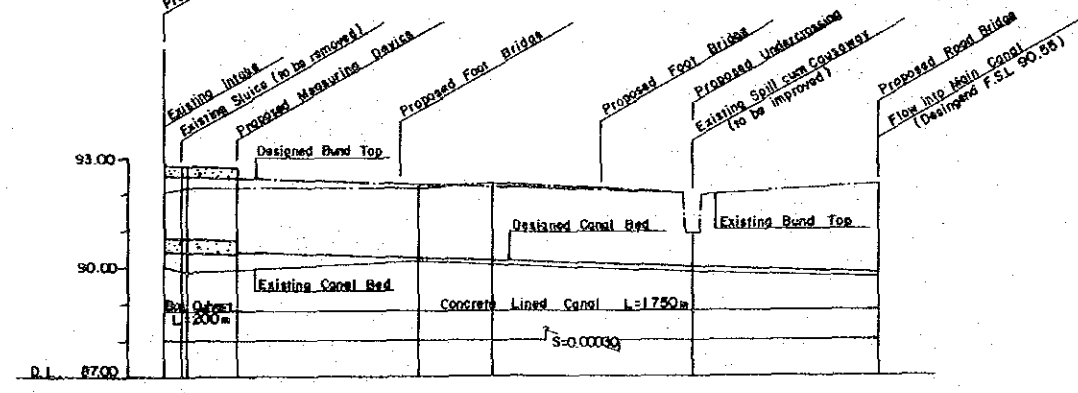


TYPICAL SECTION OF BOX CULVERT      TYPICAL SECTION OF CONCRETE LINED SECTION

TYPICAL SECTION OF DIVERSION WEIR  
SCALE 1:300

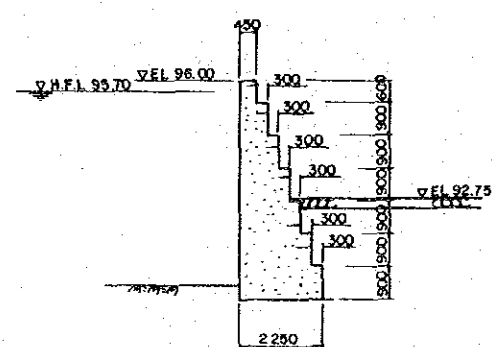


SCOUR SLUICE SECTION B-B  
SCALE 1:200



PROFILE OF FEEDER CANAL

DESIGNED CANAL BED ELEV. (m)	EXISTING CANAL BED ELEV. (m)	STATION (m)
93.00	90.00	0.00
92.75	90.13	200.0
92.40	90.01	700.0
92.17	90.30	900.0
91.95	90.80	1400.0
91.70	90.80	1800.0



RETAINING WALL SECTION C-C  
SCALE 1:200

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT

REHABILITATION OF  
MINPE IRRIGATION SCHEME

HEEN GANGA  
INTAKE FACILITIES

DATE MARCH 18, 1986 D.W.G. No. 10

JAPAN INTERNATIONAL COOPERATION AGENCY





**DRAWINGS**

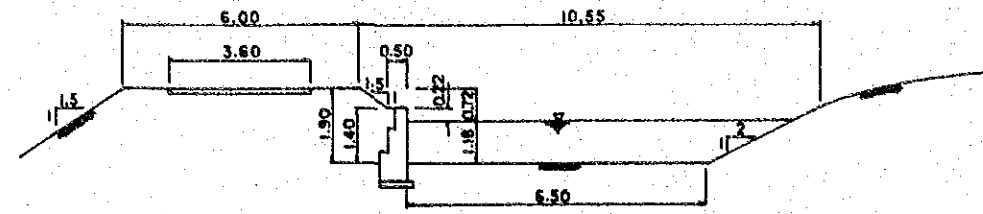
**(NAGADEEPA SCHEME)**



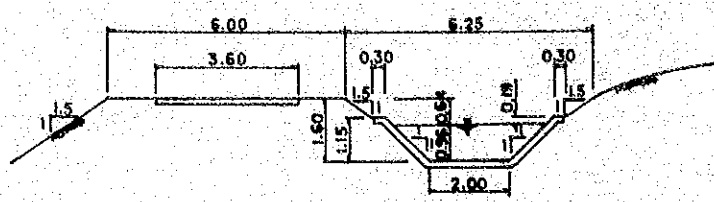
LIST OF DRAWINGS

<u>D.W.G. No.</u>	<u>Title</u>
01	Existing Irrigation System
02 - 1/2	Longitudinal Section of Main Canal
02 - 2/2	Longitudinal Section of Branch Canal
03	Flow Measuring Device
04	Gated Regulator with Drop
05	Turnout
06	Spill cum Causeway with Wasteway
07	Foot Bridge
08	Drainage Under Crossing
09	Bathing & Washing Place

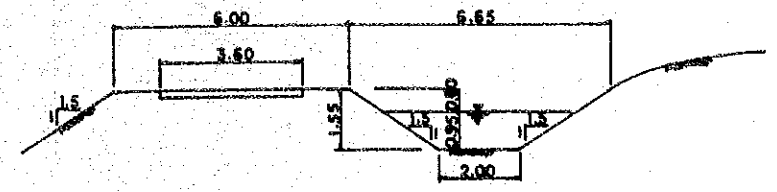




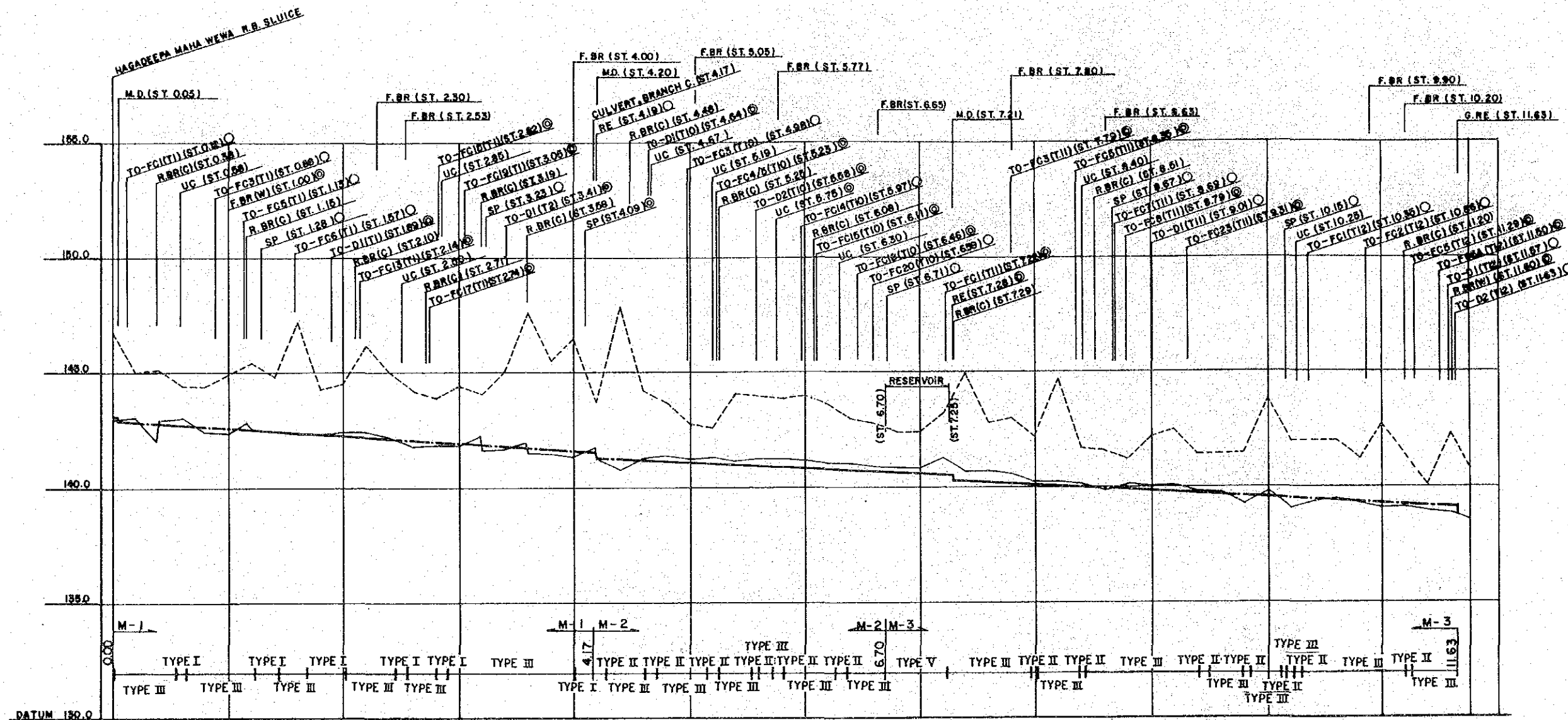
TYPICAL SECTION (M-1, TYPE I)



TYPICAL SECTION (M-2, TYPE II)

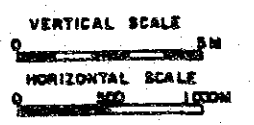


TYPICAL SECTION (M-3, TYPE III)



**LEGEND**

—	to be Newly Constructed
○	to be Repaired
⊙	to be Reconstructed
△	to be Removed
M.D	Measuring Device
TO	Turnout in Main Canal
G. RE	Gate Regulator
H. RE	H-beam Regulator
G. SP	Gated Spillway
SP	Spillway
SY	Syphon
OC	Over Crossing
R. BR (c)	Bridge (Road / concrete)
R. BR (w)	Bridge (Road / wood)
F. BR (c)	Bridge (Foot / concrete)
F. BR (w)	Bridge (Foot / wood)
UC	Drainage Under Crossing
CL	Drain Culvert
G	Gauging staff



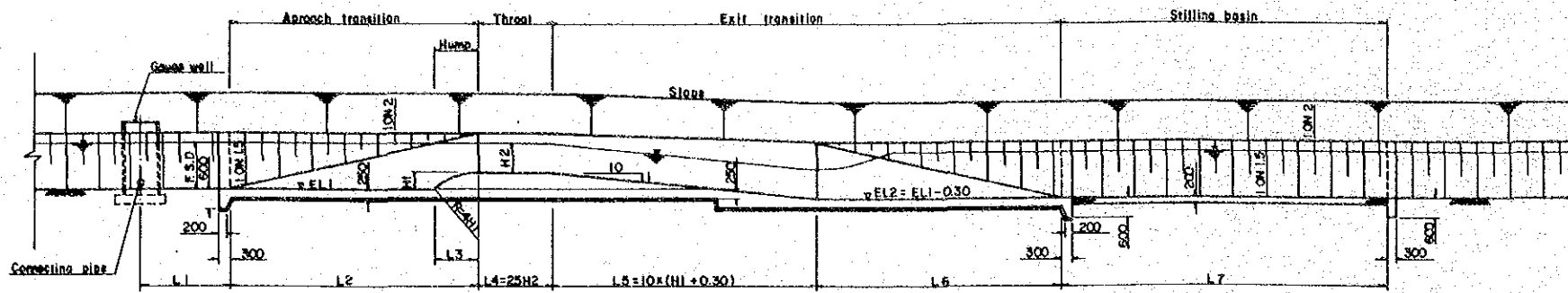
DESIGNED	GRADIENT	3.000 4.000 4.000											
	BUND ELEVATION(m)	144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00											
EXISTING	CANAL BED ELEVATION(m)	142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33											
	BUND ELEVATION(m)	144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00 144.00											
CANAL BED ELEVATION(m)		142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33 142.33											
STATION(Km)		0.000 1.000 2.000 3.000 4.000 4.170 4.200 5.000 6.000 6.700 7.000 7.250 8.000 9.000 10.000 11.000 11.630											

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME

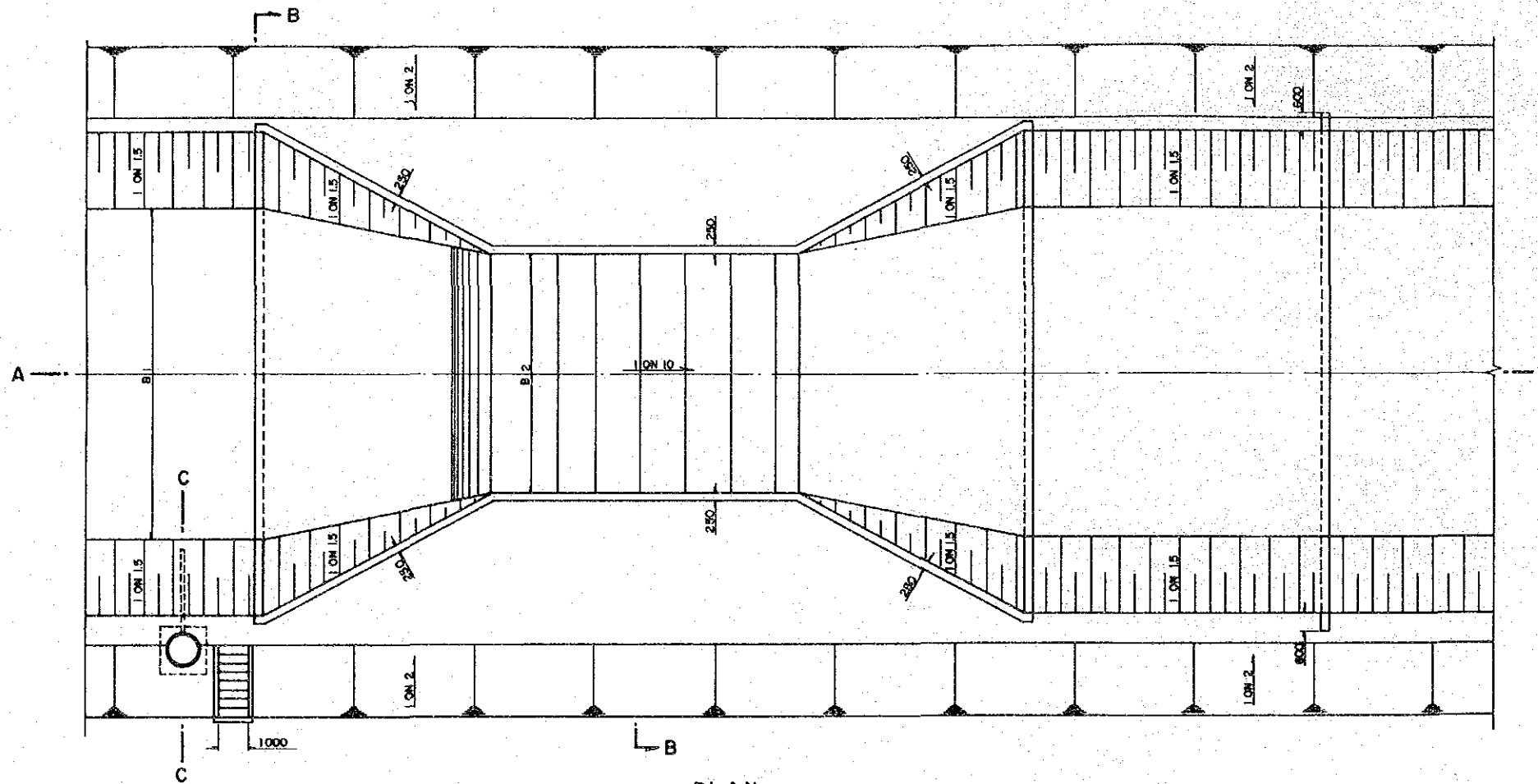
LONGITUDINAL SECTION  
OF  
MAIN CANAL

DATE MARCH 16, 1986 D.W.G. No. 02-1/2  
JAPAN INTERNATIONAL COOPERATION AGENCY





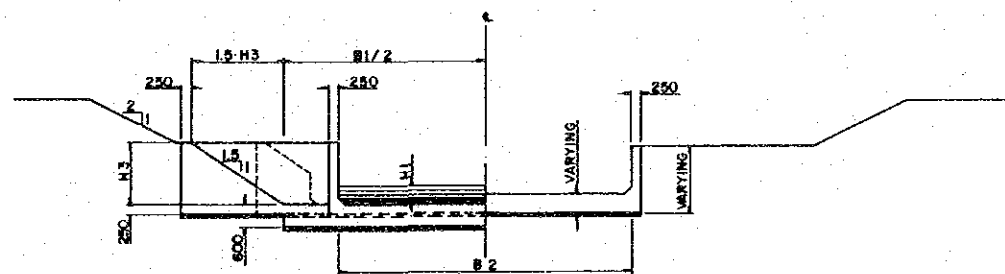
SECTIONAL ELEVATION A-A  
SCALE 1:200



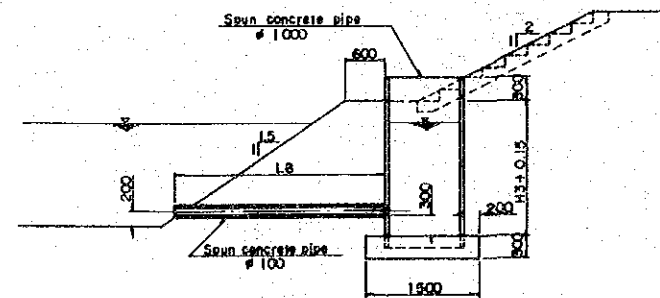
PLAN  
SCALE 1:200

DIMENSIONS

SECTION	M - 1	M - 2	M - 3	BR - 1	BR - 3
F.S.D	1.01	0.81	0.77	0.95	0.70
Q(m <sup>3</sup> /s)	6.50	1.50	1.50	4.00	1.10
B1	9.00	2.50	2.00	3.50	1.50
B2	4.50	1.50	1.50	3.00	1.50
H1	0.11	0.11	0.07	0.10	0.13
H2	0.90	0.70	0.70	0.85	0.57
H3	1.25	1.00	0.95	1.20	0.85
L1	2.70	2.10	2.10	2.60	1.70
L2	11.00	5.00	5.00	5.00	3.50
L3	0.29	0.29	0.19	0.26	0.34
L4	2.25	1.75	1.75	2.13	1.43
L5	4.10	4.10	3.70	4.00	4.30
L6	11.00	5.00	5.00	5.00	3.50
L7	7.00	4.00	4.00	5.00	4.00
L8	1.70	1.40	1.40	1.60	1.30

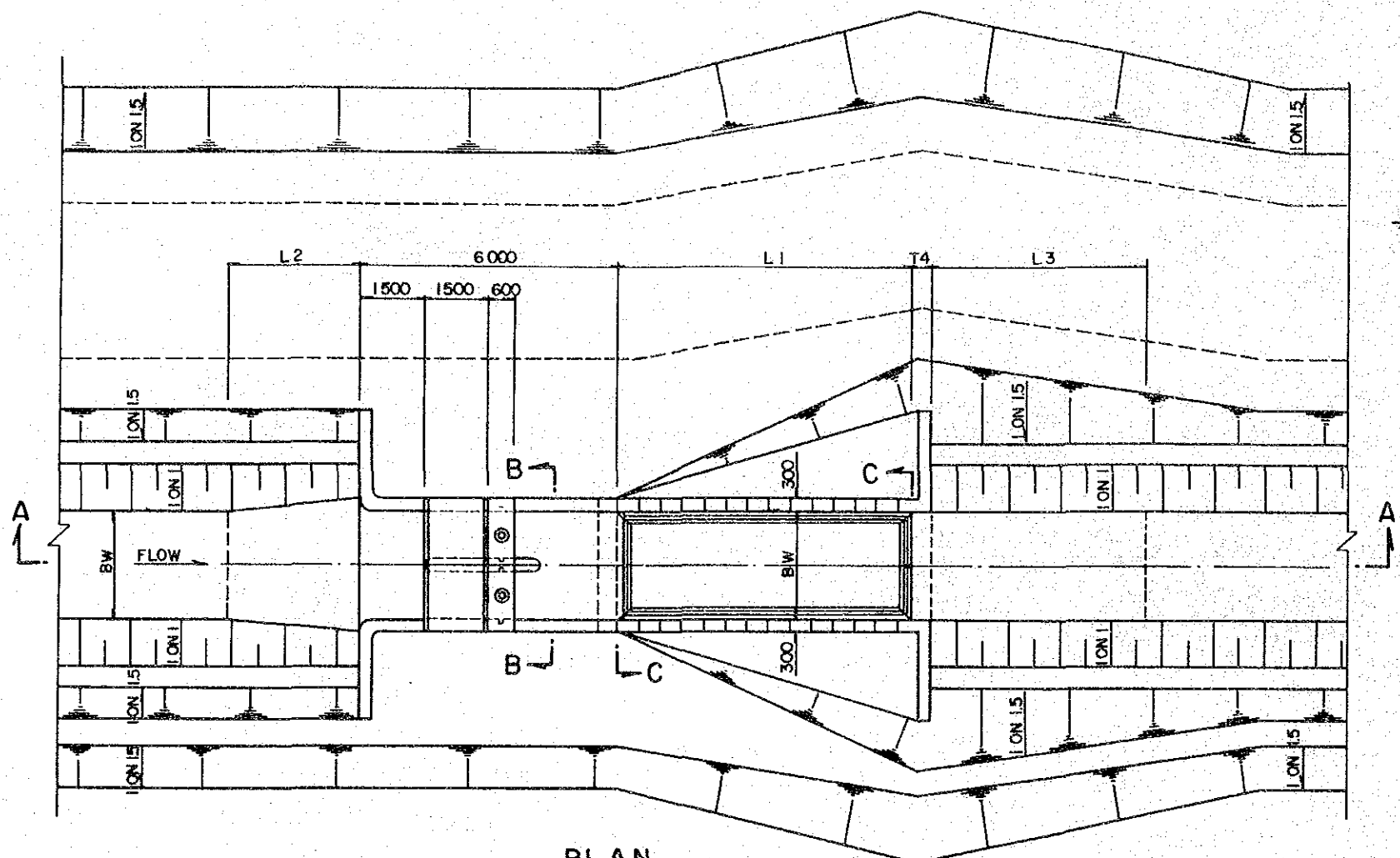


SECTIONAL ELEVATION B-B  
SCALE 1:200

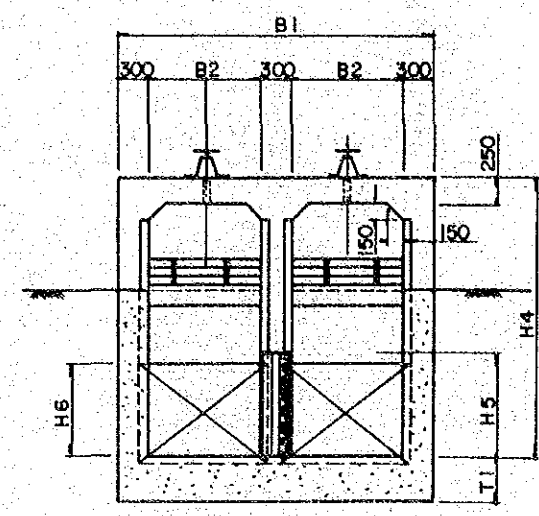


DETAIL OF GAUGE WELL C-C  
SCALE 1:100

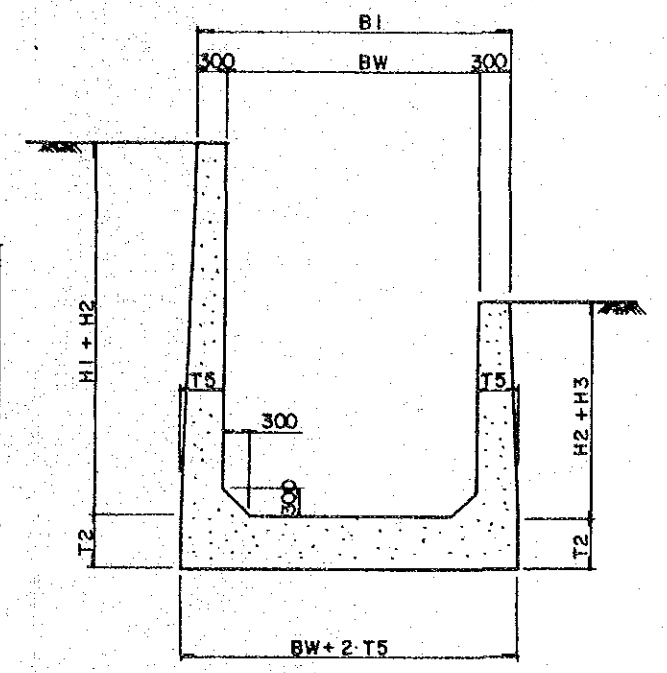
GOVERNMENT OF SRI LANKA MINISTRY OF LANDS AND LAND DEVELOPMENT REHABILITATION OF NAGADEEPA IRRIGATION SCHEME			
FLOW MEASURING DEVICE			
DATE	MARCH 18, 1986	D.W.G. No.	03
JAPAN INTERNATIONAL COOPERATION AGENCY			



PLAN  
SCALE A



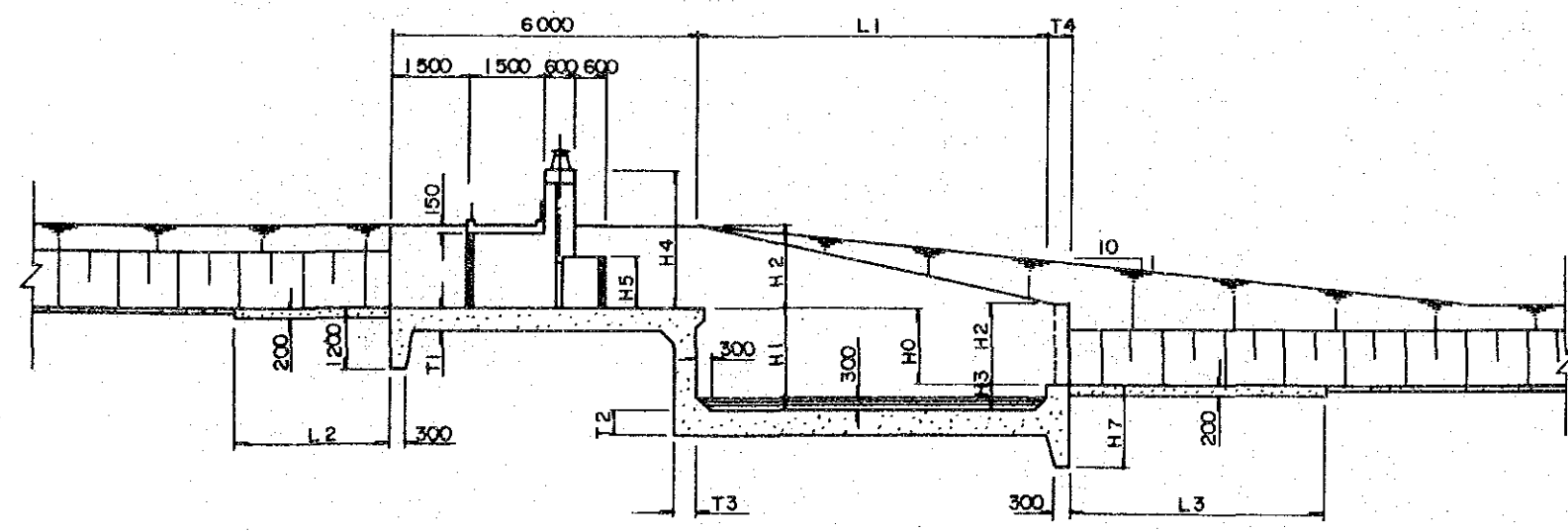
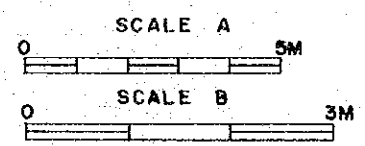
SECTION B-B  
SCALE B



SECTION C-C  
SCALE B

DIMENSIONS

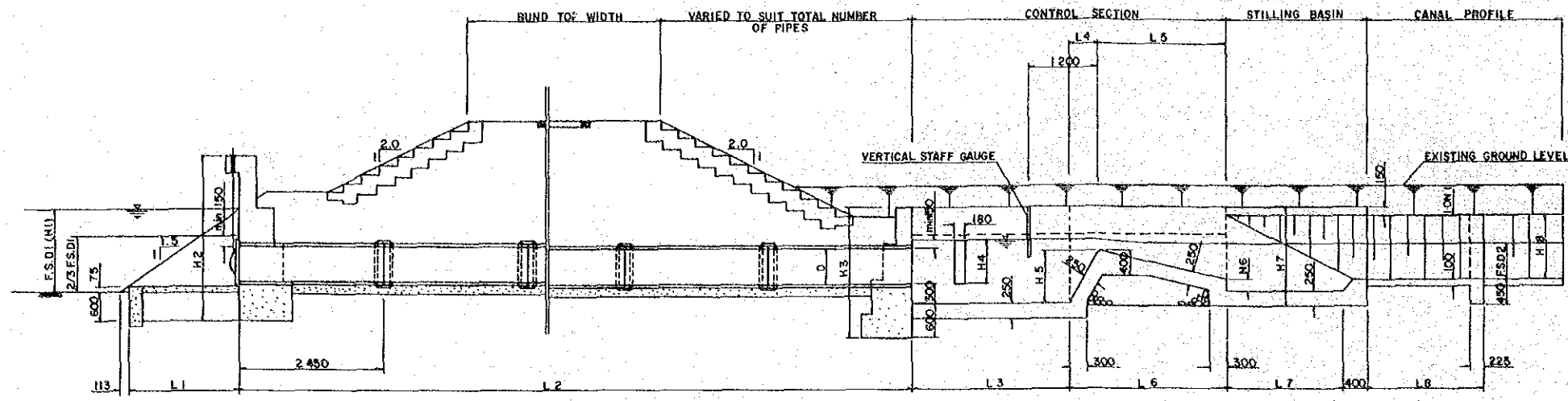
SECTION	M - 1	BR - 2		BR - 3	
			(with Drop)	(with Drop)	
BW	3.50	2.50	2.50	2.50	2.50
B1	4.10	3.10	3.10	3.10	3.10
B2	1.60	1.10	1.10	1.10	1.10
H0	-	-	1.80	0.90	-
H1	-	-	2.30	1.30	-
H2	1.35	1.60	1.60	1.25	-
H3	-	-	0.50	0.40	-
H4	2.50	2.80	2.80	2.40	-
H5	0.90	1.05	1.05	0.85	-
H6	0.74	0.90	0.90	0.68	-
H7	-	-	1.60	1.40	-
L1	-	-	8.00	5.00	-
L2	3.00	3.00	3.00	3.00	-
L3	3.00	3.00	5.00	5.00	-
T1	0.45	0.45	0.45	0.45	-
T2	-	-	0.50	0.45	-
T3	-	-	0.45	0.40	-
T4	-	-	0.40	0.30	-
T5	-	-	0.40	0.35	-



SECTIONAL ELEVATION A-A  
SCALE A

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME  
  
GATED REGULATOR WITH DROP  
  
DATE MARCH 18, 1986 D.W.G. No. 04  
JAPAN INTERNATIONAL COOPERATION AGENCY

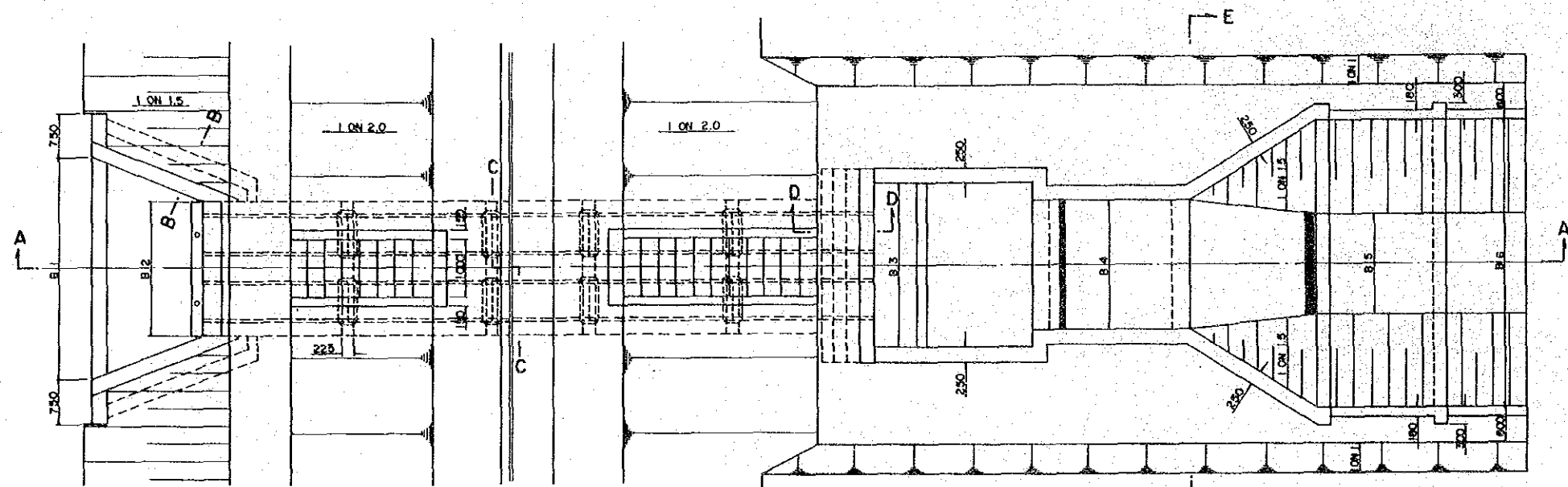




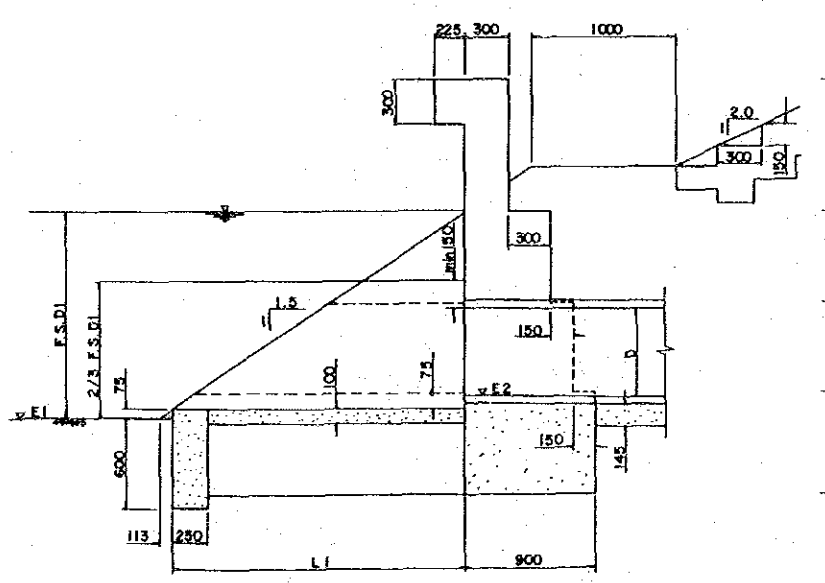
SECTIONAL ELEVATION A-A  
SCALE 1:100

DIMENSIONS

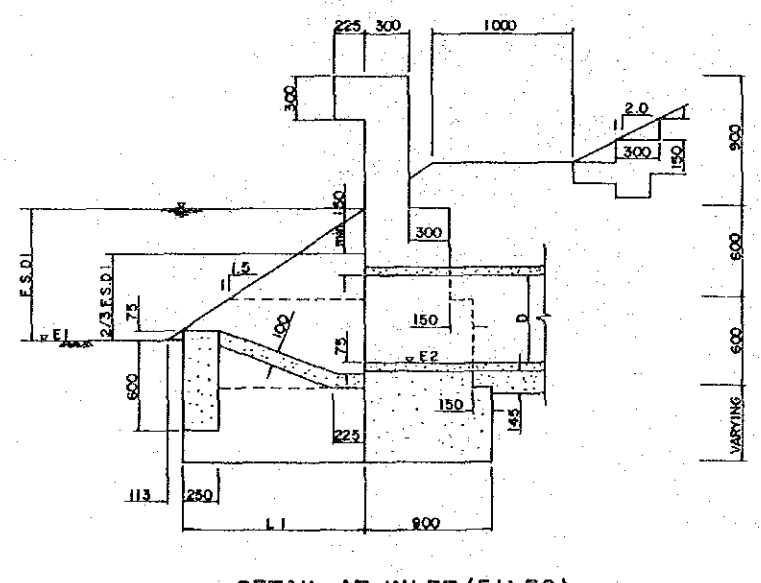
DISCHARGE (m <sup>3</sup> /s)	Q = 0.030	Q = 0.060	Q = 0.15	Q = 0.300	Q = 0.500
H1 (FSD1)	1.00	1.00	1.00	1.00	1.00
H2	2.12	2.19	2.34	2.62	2.62
H3	1.83	1.90	2.05	2.20	2.20
H4	0.38	0.45	0.60	0.75	0.75
H5	0.53	0.60	0.75	0.90	0.90
H6	0.15	0.15	0.15	0.20	0.20
H7	1.15	1.15	1.30	1.40	1.40
H8	0.75	0.75	0.90	1.00	1.00
L1	1.20	1.20	1.20	1.20	1.20
L2	9.80	9.80	9.80	9.80	9.80
L3	1.98	1.98	2.58	3.18	3.18
L4	0.30	0.35	0.43	0.52	0.52
L5	0.94	0.94	1.65	2.12	2.12
L6	1.24	1.29	2.08	2.64	2.64
L7	0.90	0.90	1.80	4.00	4.00
L8	1.00	1.00	1.50	3.00	3.00
B1	1.60	1.70	1.85	2.00	2.00
B2	0.77	0.84	0.99	1.14	2.28
B3	1.37	1.44	1.59	1.74	2.88
B4	0.30	0.60	1.05	2.13	2.77
B5	0.30	0.30	0.45	0.75	1.50
B6	2.55	2.55	3.15	3.75	4.50
Nos./D	1/225	1/300	1/450	1/600	2/600



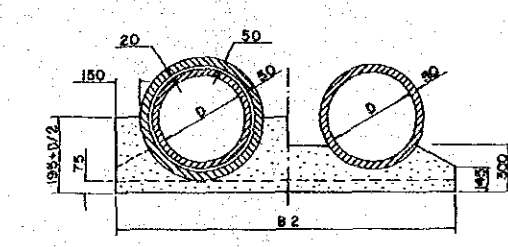
PLAN  
SCALE 1:100



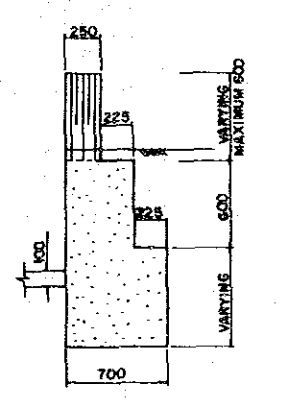
DETAIL AT INLET (E1 < E2)  
SCALE 1:50



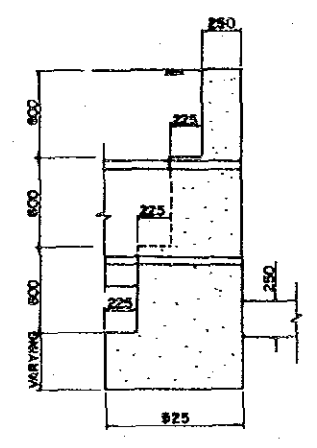
DETAIL AT INLET (E1 > E2)  
SCALE 1:50



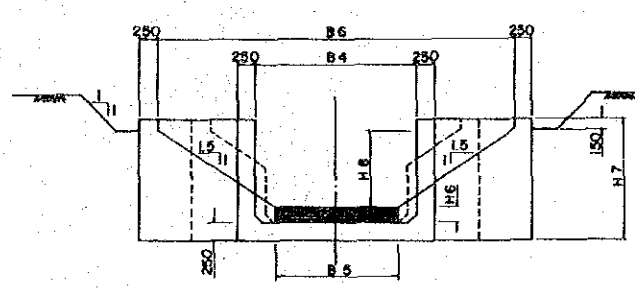
SECTION C-C  
SCALE 1:50



SECTIONAL ELEVATION B-B  
SCALE 1:50



SECTION D-D  
SCALE 1:50



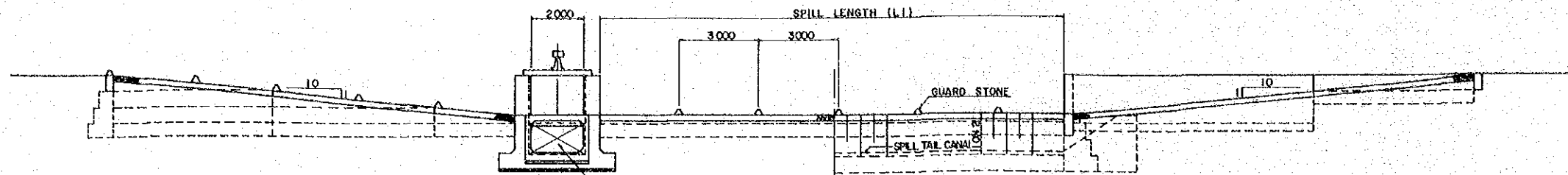
SECTIONAL ELEVATION E-E  
SCALE 1:100

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME

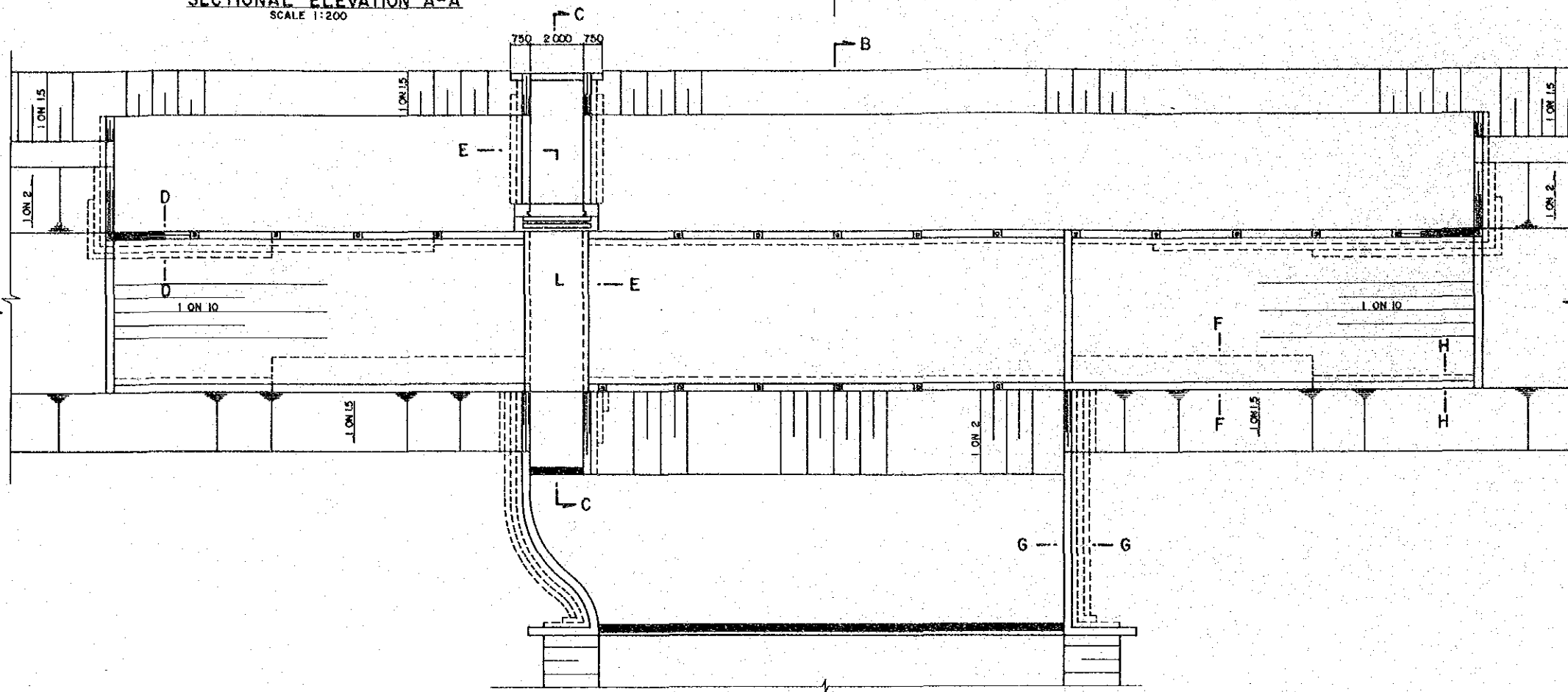
TURNOUT

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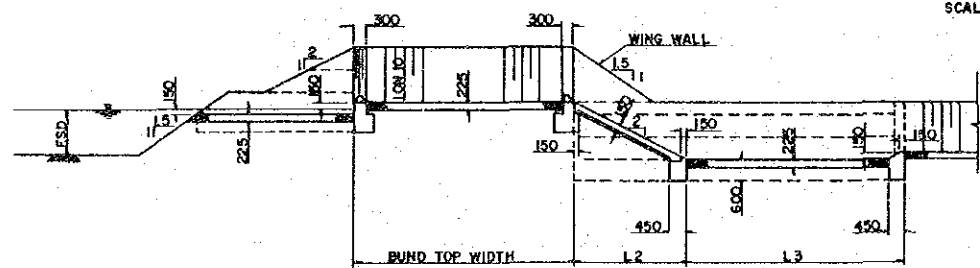
JAPAN INTERNATIONAL COOPERATION AGENCY



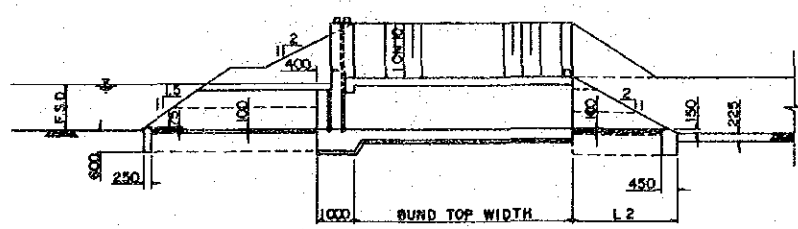
SECTIONAL ELEVATION A-A  
SCALE 1:200



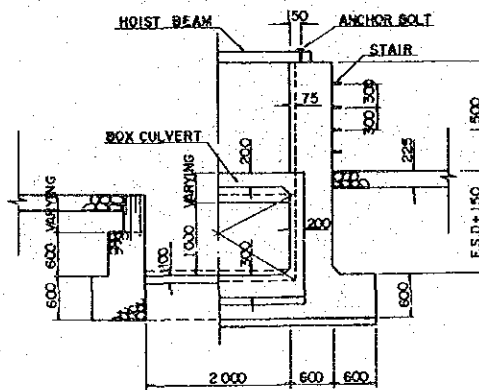
PLAN  
SCALE 1:200



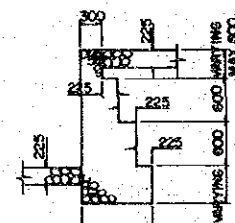
SECTIONAL ELEVATION B-B  
SCALE 1:200



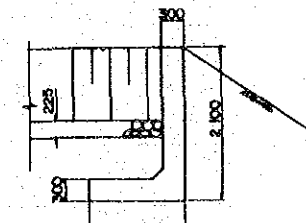
SECTIONAL ELEVATION C-C  
SCALE 1:200



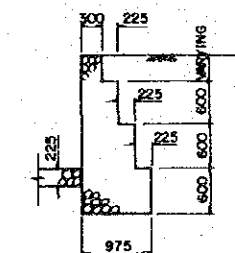
SECTION E-E  
SCALE 1:100



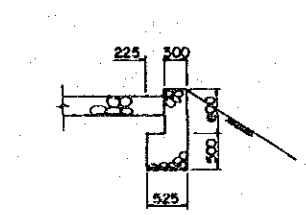
SECTION D-D  
SCALE 1:100



SECTION F-F  
SCALE 1:100

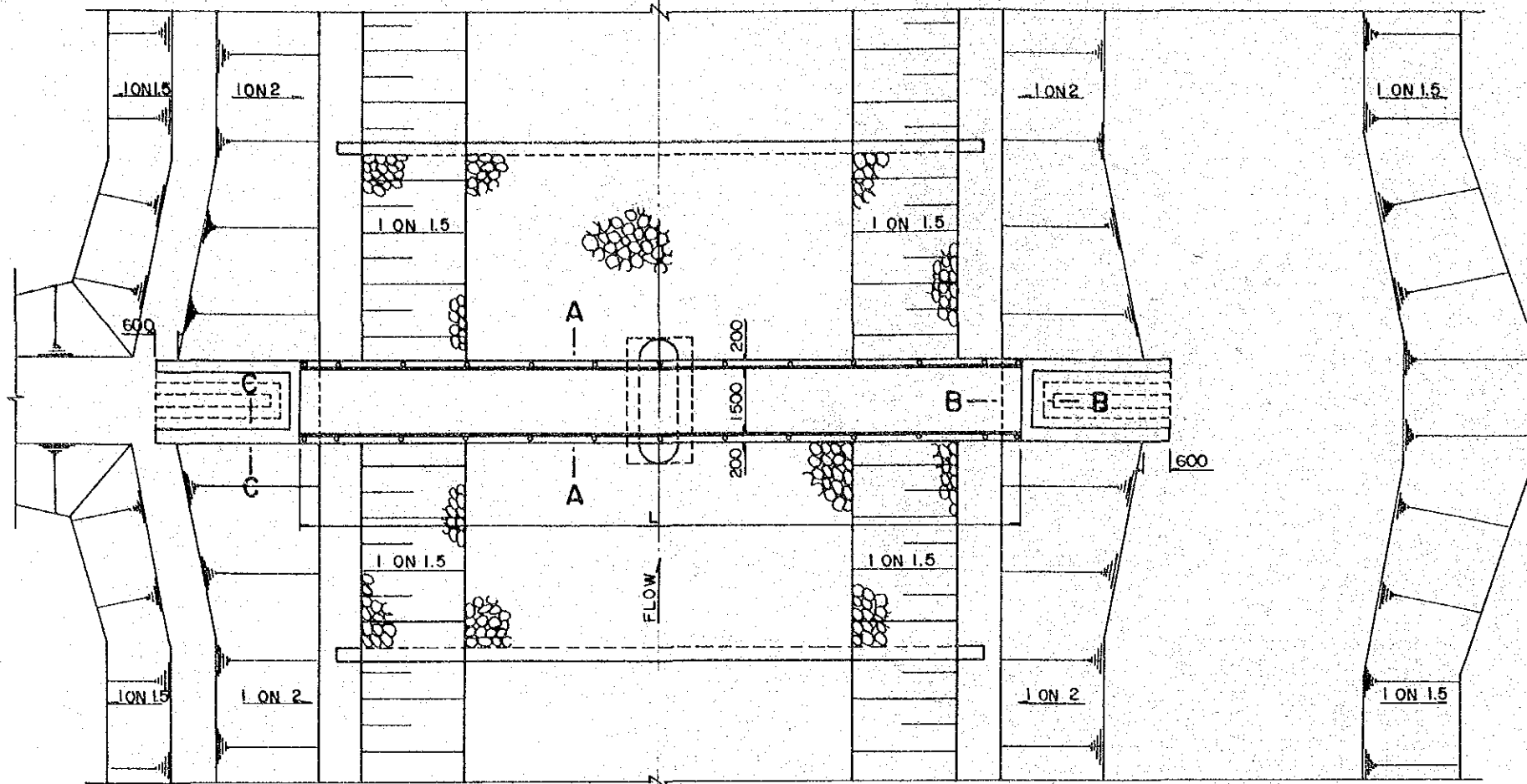


SECTION G-G  
SCALE 1:100



SECTION H-H  
SCALE 1:100

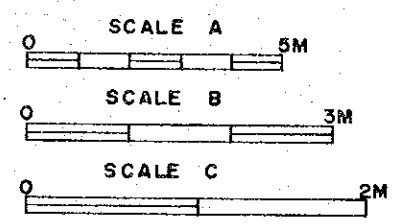
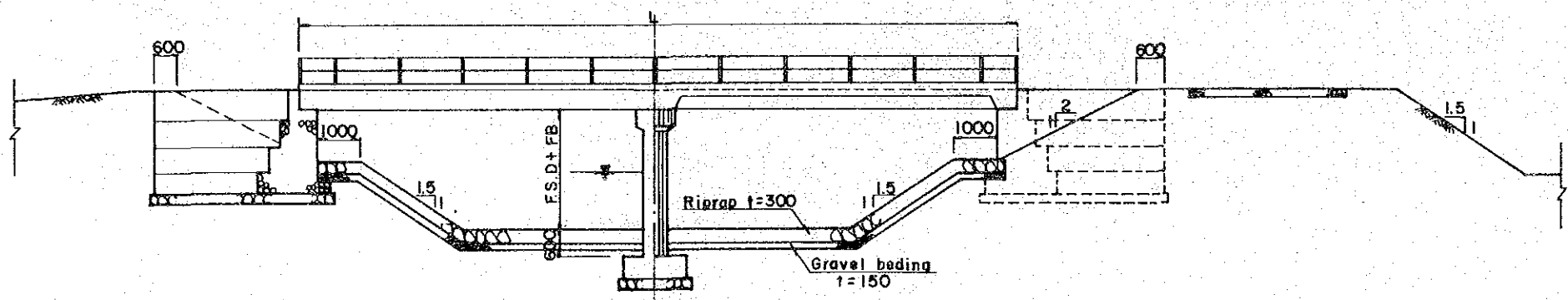
GOVERNMENT OF SRI LANKA			
MINISTRY OF LANDS AND LAND DEVELOPMENT			
REHABILITATION OF			
NAGADEEPA IRRIGATION SCHEME			
SPILL CUM CAUSEWAY			
WITH WASTEWAY			
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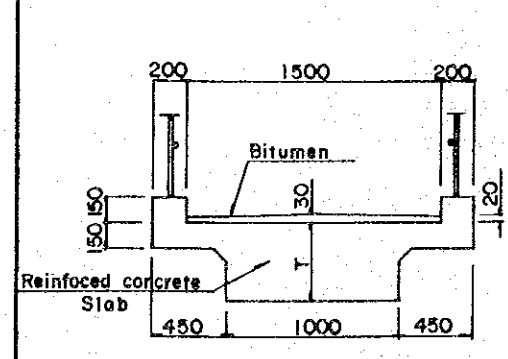
DIMENSIONS

SECTION	M - 1	M - 2	M - 3
L	12.40	7.20	7.30
H	1.95	1.60	1.55
T	0.35	0.30	0.30
h	-	-	-

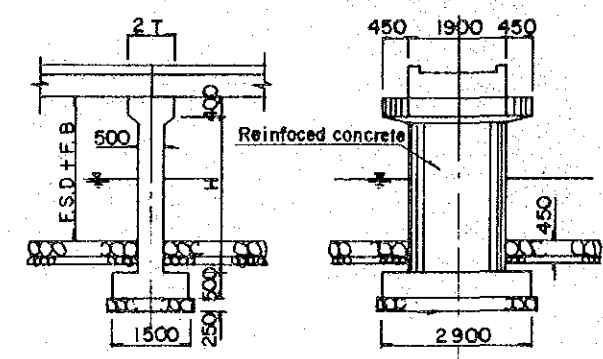
**PLAN**  
SCALE A



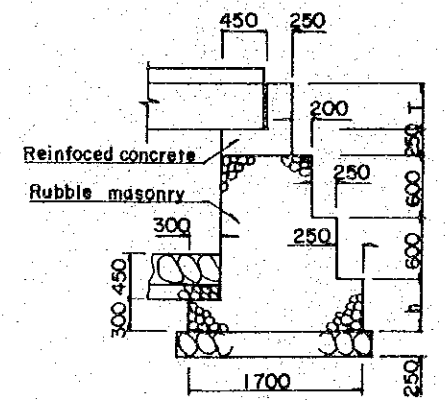
**PROFILE**  
SCALE A



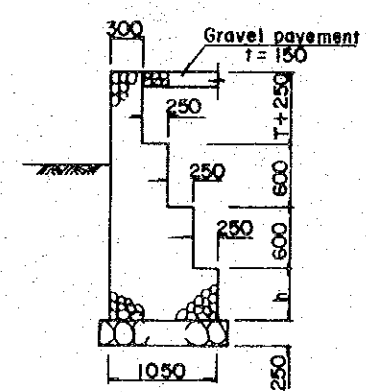
**SECTION A-A**  
SCALE C



**PIER**  
SCALE A



**ABUTMENT B-B**  
SCALE B



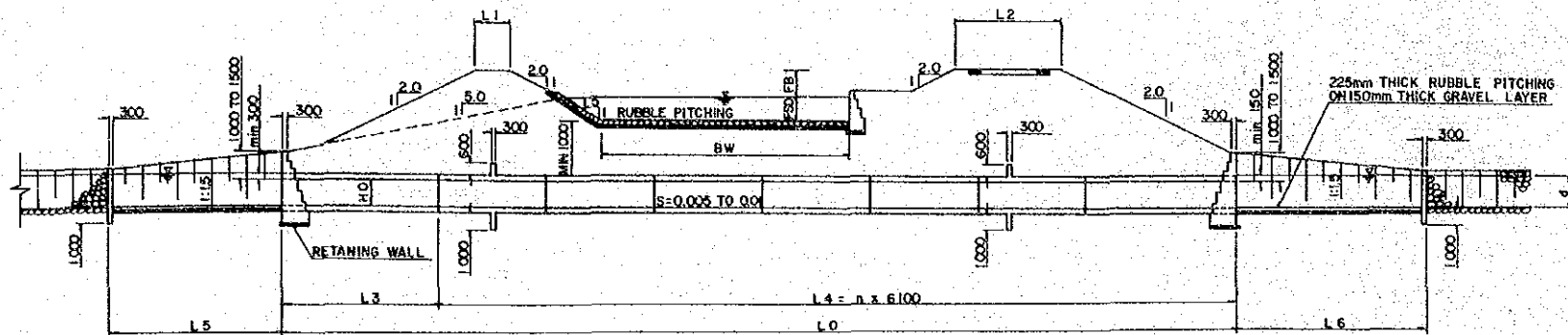
**SECTION C-C**  
SCALE B

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME

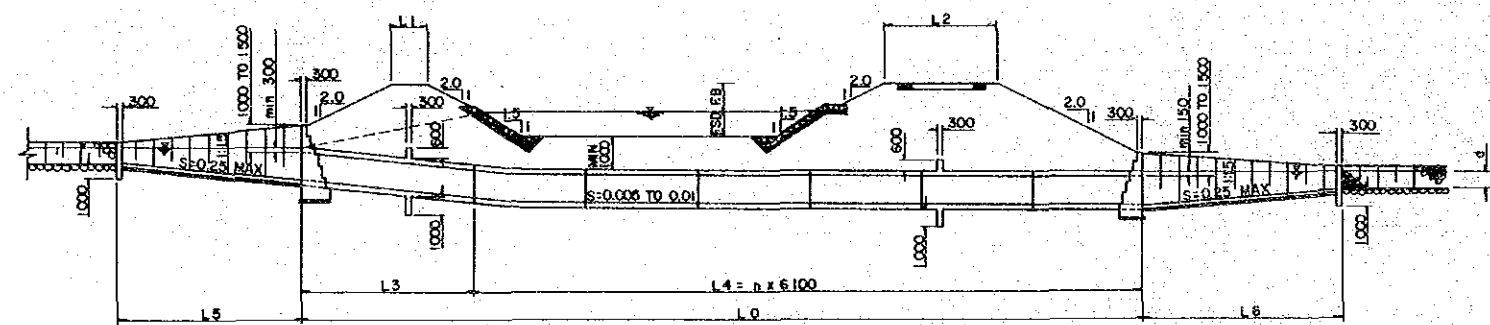
FOOT BRIDGE

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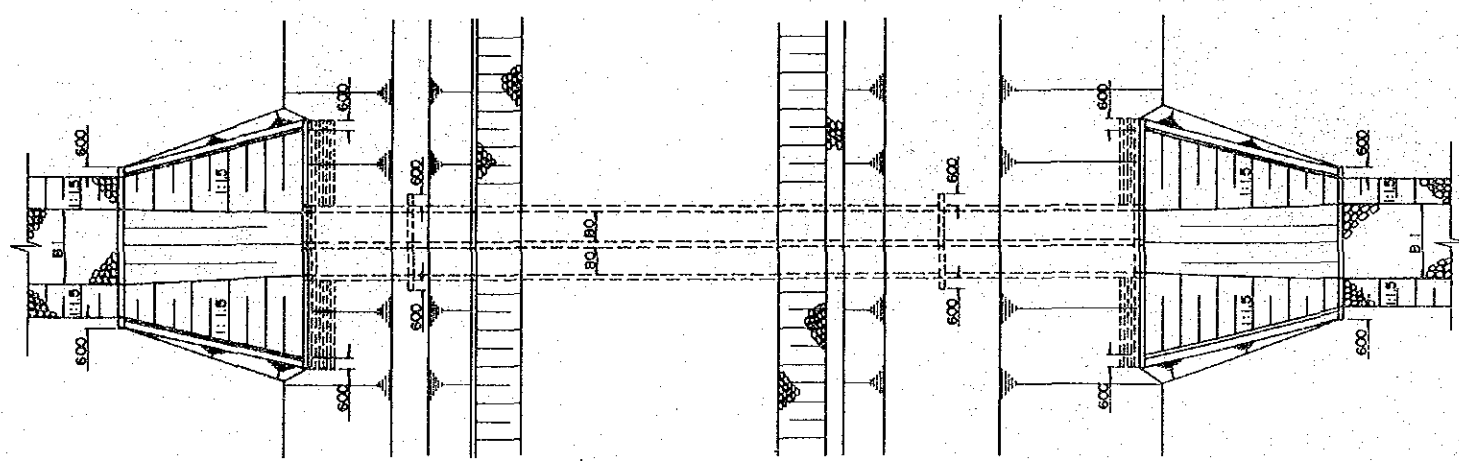
JAPAN INTERNATIONAL COOPERATION AGENCY



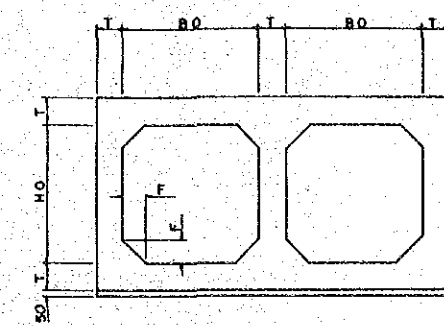
SECTIONAL ELEVATION (TYPE A)  
SCALE 1:400



SECTIONAL ELEVATION (TYPE B)  
SCALE 1:400



PLAN  
SCALE 1:400



DISCHARGE (cumec)	SIZE (mm) No/B0 x H0	T (mm)	F (mm)	L5 (mm)	L6 (mm)
≤ 0.5	1/600	-	-	5000	5000
≤ 1.0	2/600	-	-	5000	5000
≤ 2.0	1/1000 x 1000	225	150	5000	5000
≤ 4.5	1/1500 x 1500	225	200	5000	6000
≤ 8.0	1/2000 x 2000	300	200	7000	7000
≤ 10.0	2/1500 x 1500	225	200	10000	11000
≤ 16.0	2/2000 x 2000	300	200	13000	14000
≤ 24.0	3/2000 x 2000	300	200	20000	21000

DISCHARGE (cumec)	CANAL (m)		
	B1	min. d	max. slope
≤ 0.5	1.00	0.30	0.0080
≤ 1.0	1.50	0.30	0.0060
≤ 2.0	2.00	0.40	0.0050
≤ 4.5	2.50	0.50	0.0025
≤ 8.0	3.00	0.80	0.0015
≤ 10.0	4.00	0.90	0.0015
≤ 16.0	6.00	1.00	0.0015
≤ 24.0	10.00	1.00	0.0010

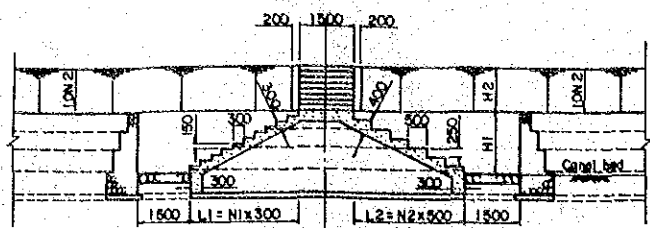
GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME

DRAINAGE UNDERCROSSING

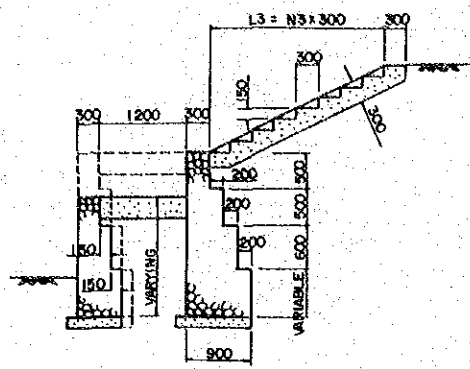
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BATHING & WASHING PLACE (TYPE A)

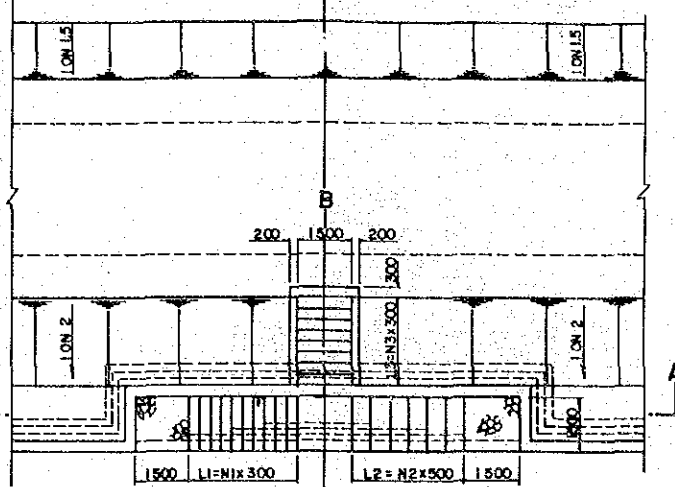


SECTIONAL ELEVATION A-A  
SCALE 1:200



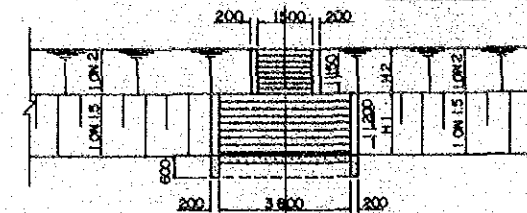
SECTION B-B  
SCALE 1:100

SECTION	H1	H2	L1	L2	L3	N1	N2	N3
M-1	1.25	0.50	2.40	2.50	0.60	8	5	2
M-3	0.95	0.40	1.80	1.50	0.60	6	3	2

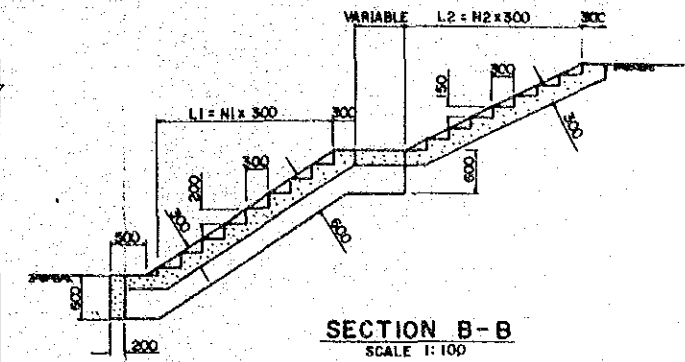


PLAN  
SCALE 1:200

BATHING & WASHING PLACE (TYPE B)

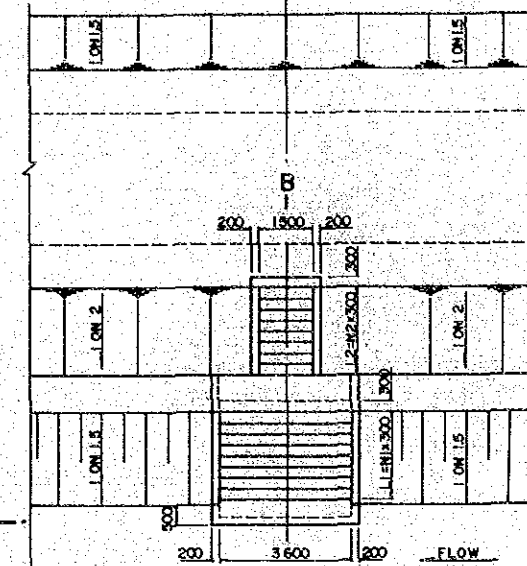


SECTIONAL ELEVATION A-A  
SCALE 1:200



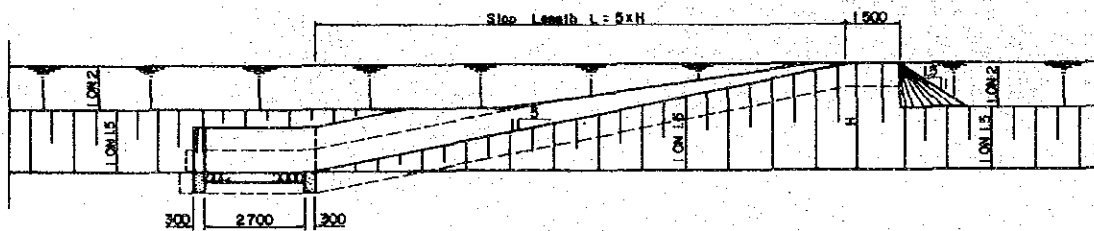
SECTION B-B  
SCALE 1:100

SECTION	H1	H2	L1	L2	N1	N2
M-1	1.00	0.40	1.00	0.60	5	2
BR-1	1.20	0.50	1.20	0.60	6	2
BR-2	1.10	0.50	1.00	0.60	5	2

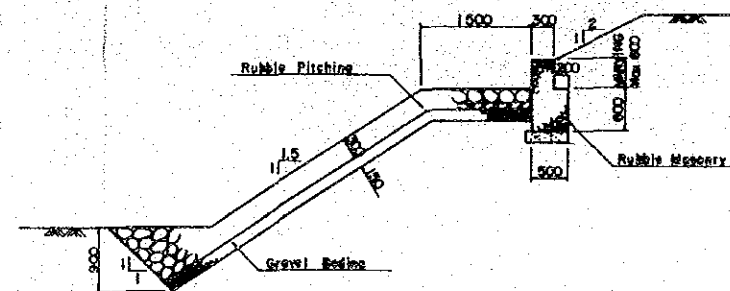


PLAN  
SCALE 1:200

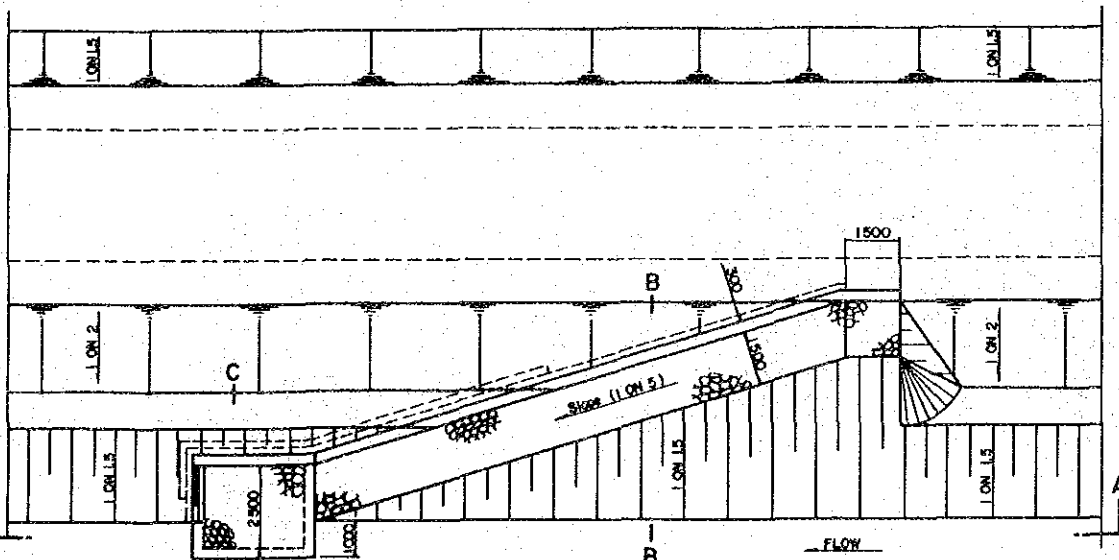
ACCESS SLOPE FOR BUFFALOS



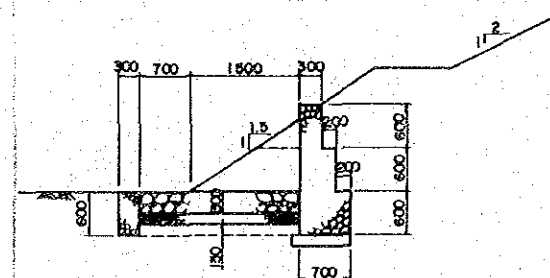
SECTIONAL ELEVATION A-A  
SCALE 1:200



SECTION B-B  
SCALE 1:100



PLAN  
SCALE 1:200



SECTION C-C  
SCALE 1:100

SECTION	H	L(Slope Length)
M-2	1.40	7.0
BR-1	1.70	8.5
BR-2	1.60	8.0

GOVERNMENT OF SRI LANKA  
MINISTRY OF LANDS AND LAND DEVELOPMENT  
REHABILITATION OF  
NAGADEEPA IRRIGATION SCHEME

BATHING & WASHING PLACE

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JAPAN INTERNATIONAL COOPERATION AGENCY







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