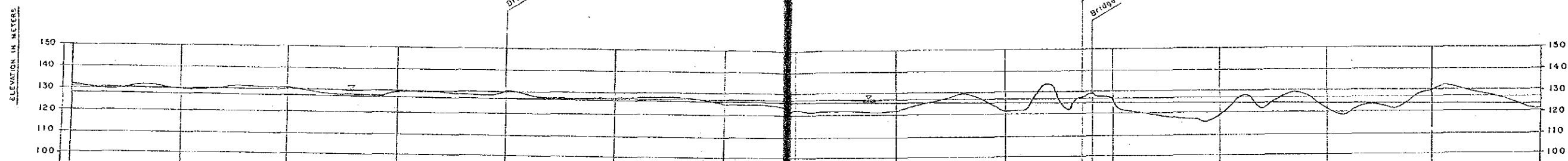
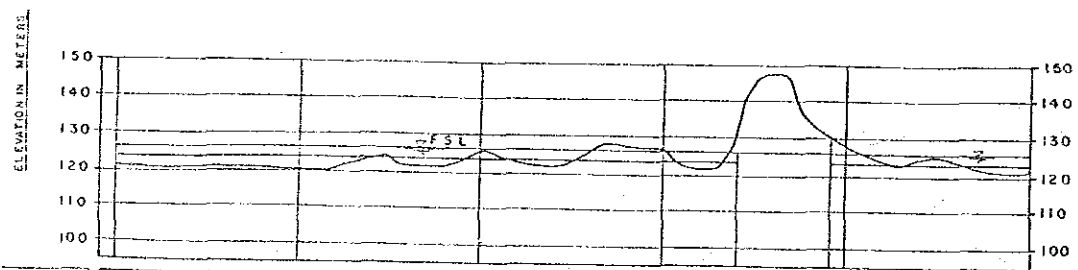


PLAN  
CONTOURS ARE INDICATED IN METERS



CANAL DIMENSION	Q = 60.0 m <sup>3</sup> /sec, B = 10.0 m, H = 3.7 m, d = 3.0 m, I = 1/10,000										Q = 40.0 m <sup>3</sup> /sec, B = 8.0 m, H = 3.7 m, d = 3.0 m, I = 1/10,000																										
WATER SURFACE ELEVATION	130.4	129.9	132.0	129.9	130.2	128.0	129.9	127.1	126.9	126.8	126.6	125.5	125.9	126.3	126.2	126.1	126.0																				
GROUND SURFACE ELEVATION	131.1	129.9	132.0	129.9	131.1	128.0	129.9	127.1	126.9	126.8	126.6	125.5	125.9	126.3	126.2	126.1	126.0																				
DISTANCE	0	317	633	1000	1475	2000	2474	2854	3000	3665	4000	5000	5538	6000	7000	7633	8000	8633	9000	9222	9443	9601	9750	9823	10000	10840	11000	11190	11380	11696	12000	12158	12380	12665	13000	13317	14000
STATION	0	317	633	1000	1475	2000	2474	2854	3000	3665	4000	5000	5538	6000	7000	7633	8000	8633	9000	9222	9443	9601	9750	9823	10000	10840	11000	11190	11380	11696	12000	12158	12380	12665	13000	13317	14000



CANAL DIMENSION	Q = 40.0 m <sup>3</sup> /sec, B = 8.0 m, H = 3.7 m, d = 3.0 m, I = 1/10,000										Tunnel r = 3.1, I = 1/3,500		B = 40.0 m, H = 3.7 m, d = 3.0 m, I = 1/10,000		
WATER SURFACE ELEVATION	126.0	120.4	125.9	124.4	125.6	125.7	125.7	125.7	125.5	125.5	125.5	122.3	125.4	125.4	125.4
GROUND SURFACE ELEVATION	121.9	120.4	119.6	124.4	125.6	125.7	125.7	125.7	125.5	125.5	125.5	122.3	125.4	125.4	125.4
DISTANCE	14,000	14,633	15,000	15,475	16,000	16,475	16,665	17,000	17,317	17,400	17,505	17,696	17,800	17,900	18,000
STATION	14,000	14,633	15,000	15,475	16,000	16,475	16,665	17,000	17,317	17,400	17,505	17,696	17,800	17,900	18,000

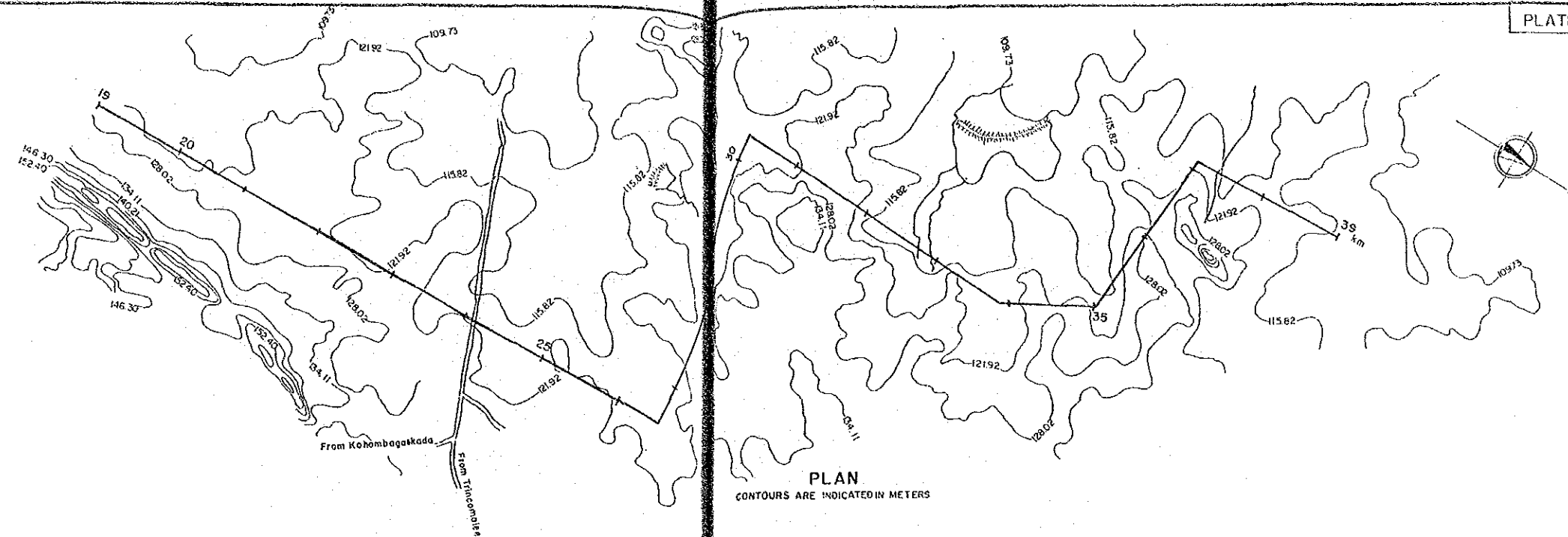
GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT

THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

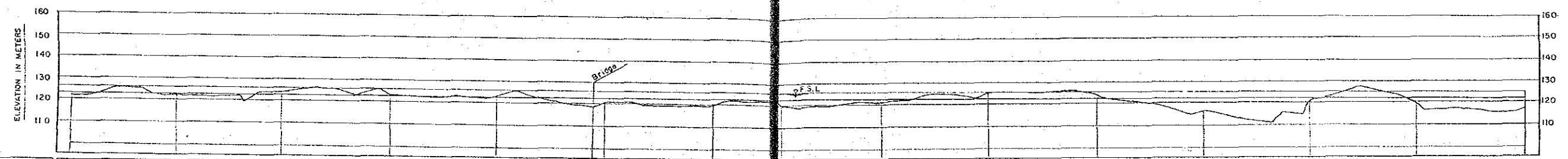
TITLE OF DRAWING  
**PROFILE OF NCP CANAL (4)  
(HURULUWEWA TO TAMMANNEWA)**

JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN.

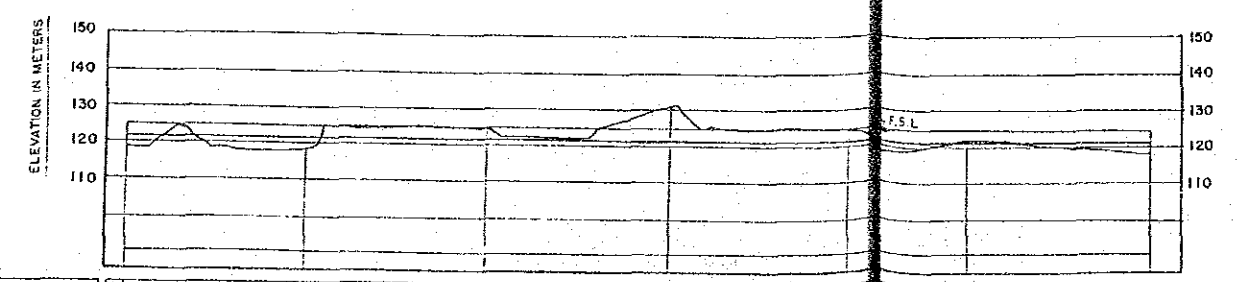
DWG. NO.



PLAN  
CONTOURS ARE INDICATED IN METERS



CANAL DIMENSION	$Q = 40.0 \text{ m}^3/\text{sec}, B = 8.0 \text{ m}, H = 3.7 \text{ m}, d = 3.0 \text{ m}, I = 1/10,000$													
WATER SURFACE ELEVATION	125.4	125.3	125.2	125.0	124.9	124.8	124.7	124.6	124.5	124.4	124.3	124.2	124.1	124.0
GROUND SURFACE ELEVATION	121.9	125.0	121.9	119.0	123.9	123.6	123.5	120.4	125.0	125.0	114.0	115.5	110.0	115.8
DISTANCE	19000	19411	20000	20633	21000	21696	22000	23000	23158	23886	24000	25000	28833	29886
STATION	19	19411	20	20633	21	21696	22	23000	23158	23886	24000	25000	28833	29886



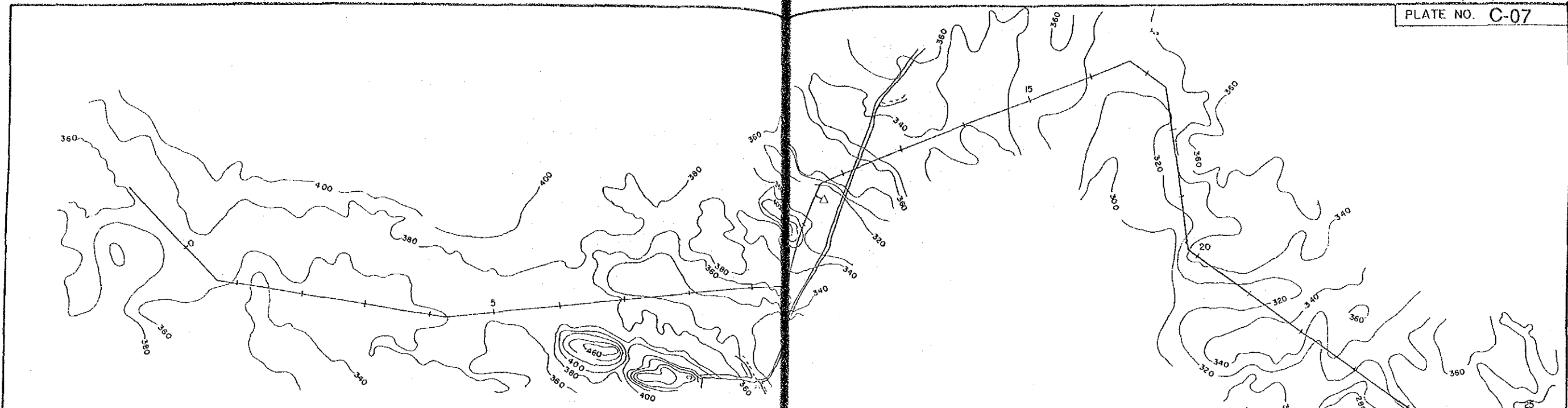
CANAL DIMENSION	$Q = 40.0 \text{ m}^3/\text{sec}, B = 8.0 \text{ m}, H = 3.7 \text{ m}, d = 3.0 \text{ m}, I = 1/10,000$					
WATER SURFACE ELEVATION	124.0	123.9	123.8	123.7	123.6	123.4
GROUND SURFACE ELEVATION	115.2	121.9	121.7	128.0	121.3	118.9
DISTANCE	33000	33265	34000	35072	36000	37000
STATION	33	33265	34	35072	36000	37000

PROFILE

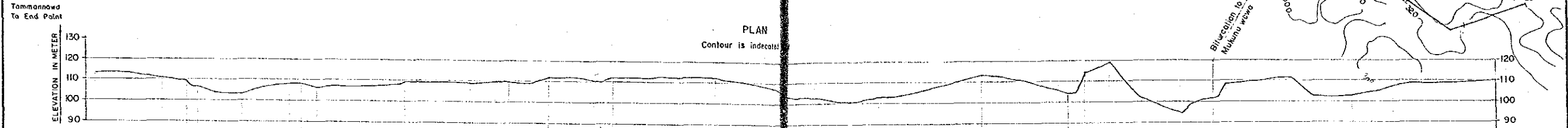
GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELE DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**PROFILE OF NCP CANAL (5)  
(HURULUWEWA TO TAMMANNENA)**

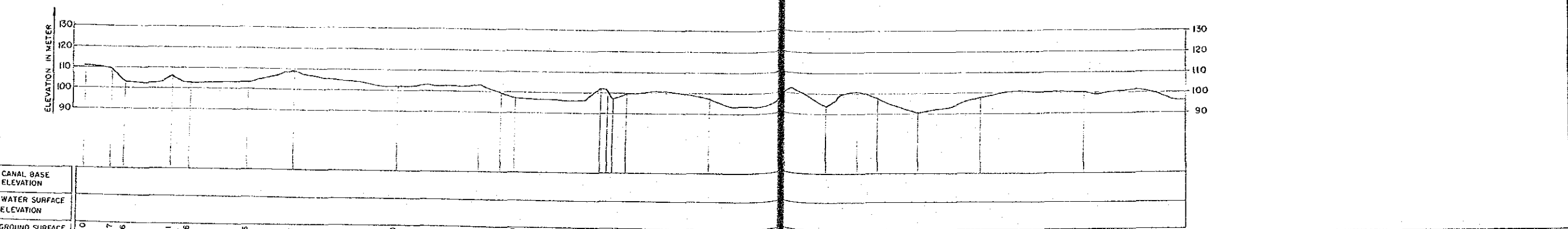
JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO.  
TOKYO, JAPAN



PLAN  
Contour is indicated



CANAL BASE ELEVATION																												
WATER SURFACE ELEVATION																												
GROUND SURFACE ELEVATION	113.7	110.4	109.7	108.1	103.6	108.2	109.7	110.1	112.2	110.9	112.3	112.8	103.6	114.3	106.1	115.8	121.9	100.0	103.6	103.6	112.2	103.6	103.6	108.2	111.0			
DISTANCE	0	685.0	886.0	1000.0	1427.0	1886.0	2000.0	2139.0	3000.0	3633.0	4000.0	4380.0	4885.0	5000.0	6000.0	8000.0	9000.0	9823.0	10000.0	10222.0	11000.0	11285.0	11348.0	12000.0	12222.0	12601.0	13000.0	14000.0
STATION	0	685	886	1000	1427	1886	2000	2139	3000	3633	4000	4380	4885	5000	6000	8000	9000	9823	10000	10222	11000	11285	11348	12000	12222	12601	13000	14000



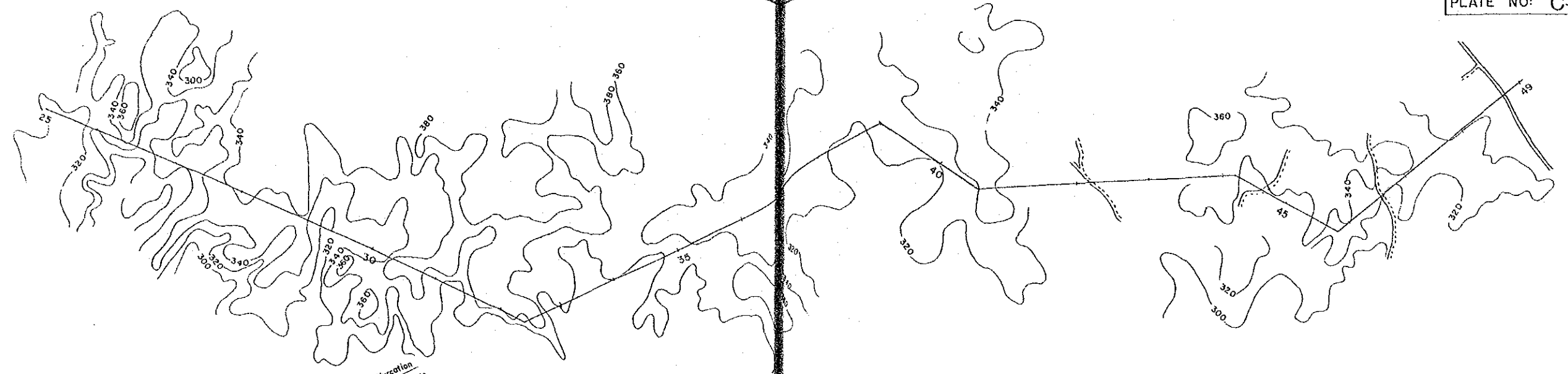
CANAL BASE ELEVATION																					
WATER SURFACE ELEVATION																					
GROUND SURFACE ELEVATION	140.0	109.7	103.6	106.1	103.6	109.1	102.0	103.6	100.0	97.5	102.1	97.6	100.6	98.2	94.6	100.6	99.2	91.5	98.2	100.6	96.1
DISTANCE	14000	14223	14380	14823	15000	15570	16000	17000	17791	18000	18128	18949	19000	20000	21506	21665	22000	22411	23000	24000	25000
STATION	14	14223	14380	14823	15000	15570	16000	17000	17791	18000	18128	18949	19000	20000	21506	21665	22000	22411	23000	24000	25000

PROFILE

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

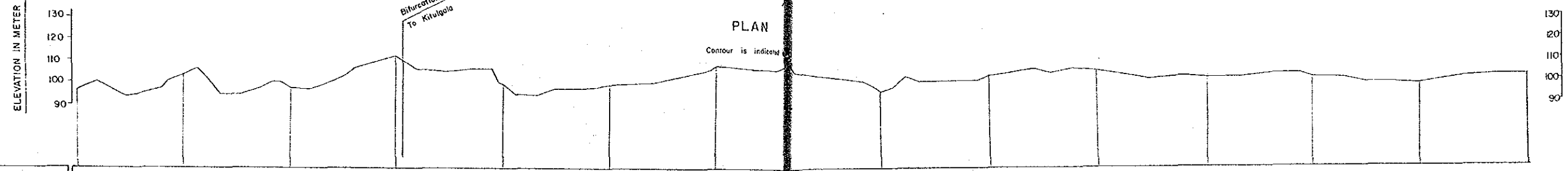
TITLE OF DRAWING  
**PROFILE OF NCP CANAL (6)  
(TAMMANNEWA TO END POINT)**

JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN. DWG. NO.



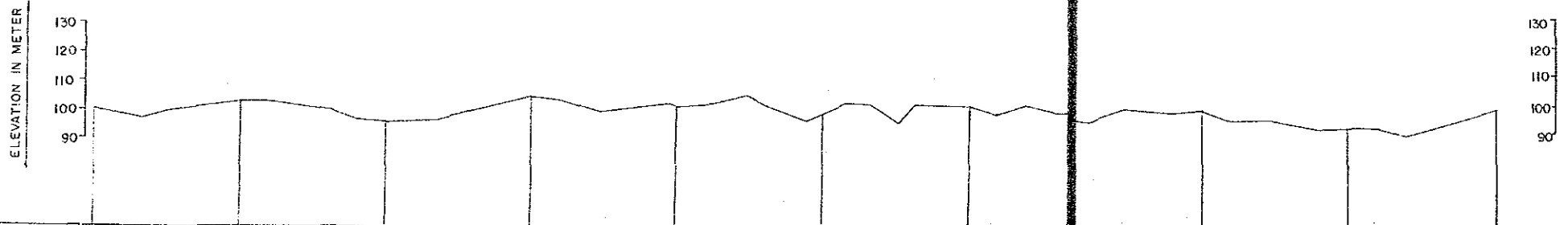
PLAN

Contour is indicated



CANAL BASE ELEVATION	WATER SURFACE ELEVATION	GROUND SURFACE ELEVATION	DISTANCE	STATION
		25,000 96.1		25
		25,190 100.6		
		25,411 94.6		
		25,791 97.6		
		26,127 106.7		26
		26,346 94.6		
		26,919 100.6		
		27,000 97.6		27
		27,538 103.7		
		27,791 109.8		
		28,000 112.2		28
		28,190 106.7		
		28,888 106.7		
		28,845 100.6		29
		29,000 99.1		
		29,316 94.6		
		29,888 98.2		30
		30,411 100.6		
		31,000 108.3		31
		32,000 106.7		
		32,822 100.6		
		33,000 96.0		33
		33,252 102.1		
		33,888 100.6		
		34,791 105.2		34
		35,316 100.6		
		36,888 102.1		35
		37,538 97.6		
		38,158 97.6		36
		39,000 100.6		
		39,000 100.6		37
		39,000 100.6		
		39,000 100.6		38
		39,000 100.6		
		39,000 100.6		39

PROFILE



CANAL BASE ELEVATION	WATER SURFACE ELEVATION	GROUND SURFACE ELEVATION	DISTANCE	STATION
		39,000 100.6		39
		39,316 97.6		
		40,000 103.6		40
		40,633 100.6		
		41,000 96.9		41
		41,570 100.6		
		42,000 105.2		42
		42,475 100.6		
		43,000 102.1		43
		43,475 106.1		
		43,918 98.2		44
		44,000 100.6		
		44,348 103.9		
		44,538 97.6		45
		45,000 103.6		
		45,190 100.6		46
		45,411 103.6		
		46,475 102.4		47
		47,000 101.2		
		47,475 97.6		48
		47,791 94.5		
		48,000 94.8		49
		48,190 94.5		
		48,360 91.5		
		49,000 99.4		49

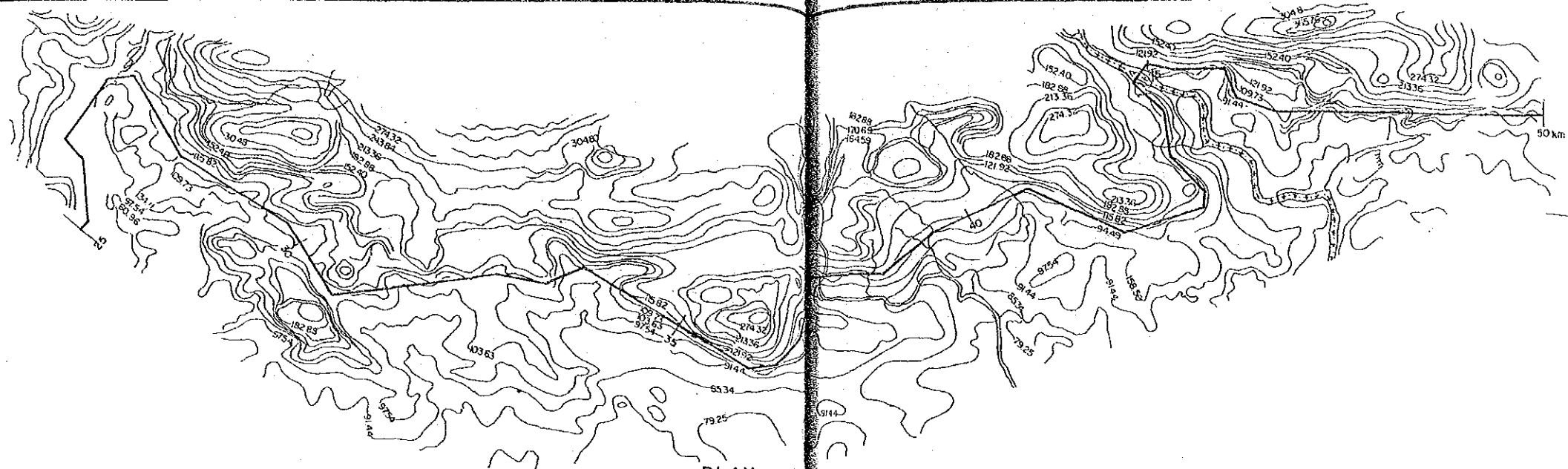
PROFILE

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON 'EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

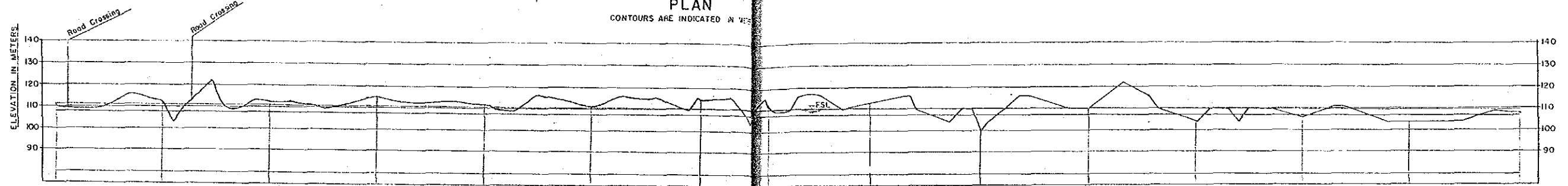
TITLE OF DRAWING  
**PROFILE OF NCP CANAL (7)  
(TAMMANNEWA TO END POINT)**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO.  
TOKYO, JAPAN.

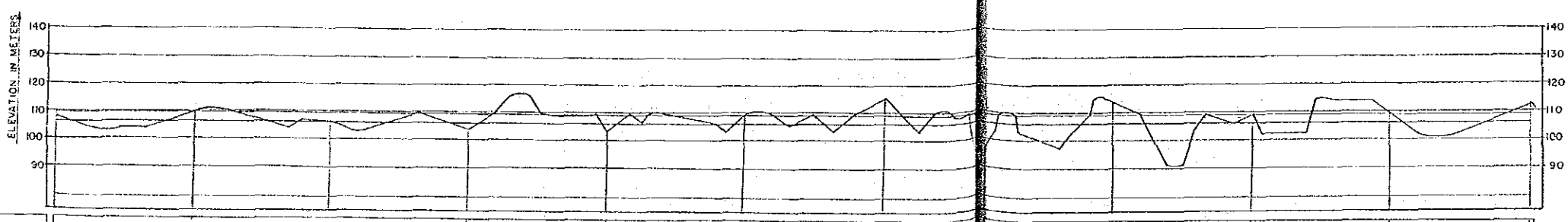




PLAN  
CONTOURS ARE INDICATED IN METERS



CANAL DIMENSION	$Q = 60.0 \text{ m}^3/\text{sec}, B = 12.0 \text{ m}, d = 3.4 \text{ m}, I = 1/10,000$																			
WATER SURFACE ELEVATION	111.2	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
GROUND SURFACE ELEVATION	109.7	115.8	112.8	122.0	109.7	112.8	109.7	112.8	112.0	111.0	109.7	112.0	110.6	115.0	111.0	110.7	115.8	110.6	110.4	103.6
DISTANCE	25,000	25,696	26,000	26,459	26,601	26,665	26,823	27,000	27,602	28,000	28,000	29,000	29,443	30,000	30,221	32,221	32,317	32,539	32,729	33,000
STATION	25,000	25,696	26,000	26,459	26,601	26,665	26,823	27,000	27,602	28,000	28,000	29,000	29,443	30,000	30,221	32,221	32,317	32,539	32,729	33,000



CANAL DIMENSION	$Q = 60.0 \text{ m}^3/\text{sec}, B = 12.0 \text{ m}, d = 3.4 \text{ m}, H = 4.0 \text{ m}, I = 1/10,000$											
WATER SURFACE ELEVATION	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
GROUND SURFACE ELEVATION	107.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
DISTANCE	39,000	39,222	39,444	40,000	40,697	41,000	41,233	41,634	42,000	42,285	42,539	43,000
STATION	39,000	39,222	39,444	40,000	40,697	41,000	41,233	41,634	42,000	42,285	42,539	43,000

PROFILE

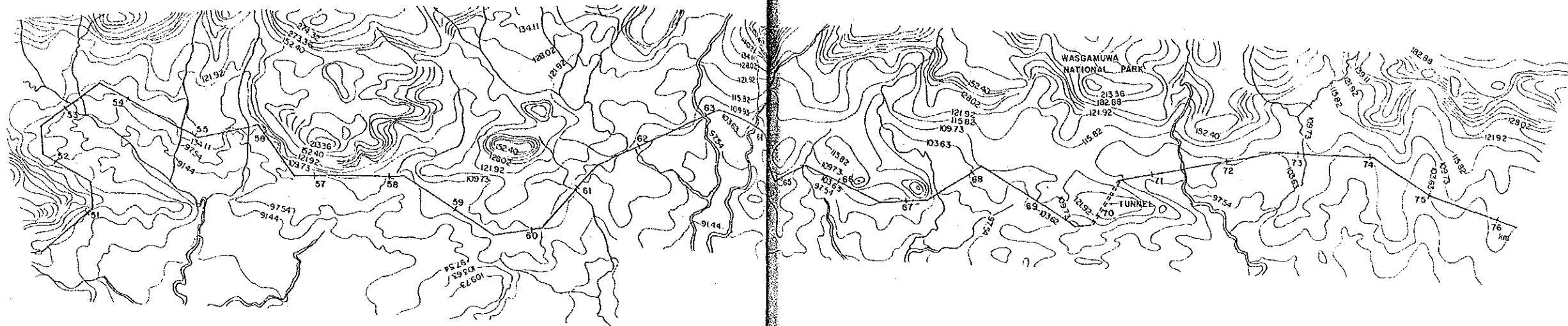
GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELE DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**PROFILE OF MINIPE L.B. MAIN CANAL (2)**

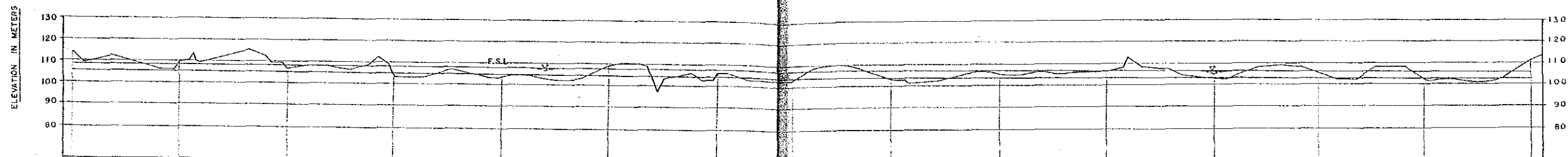
JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN.

DWG. NO.



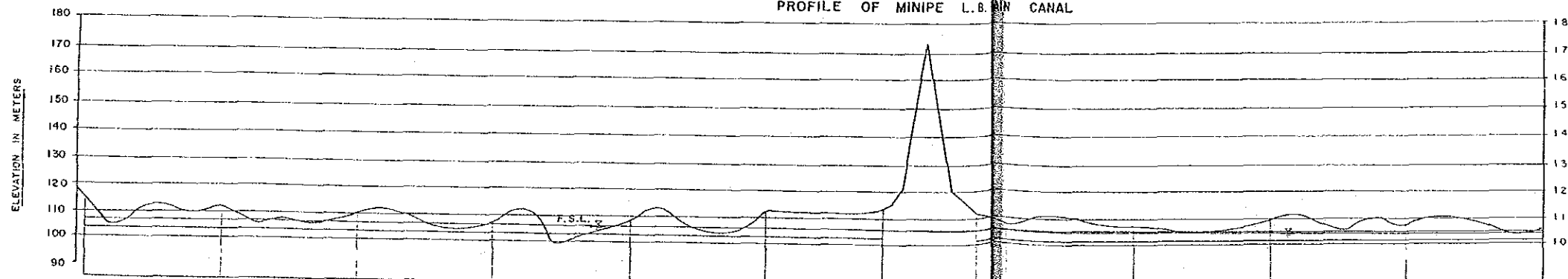


(CONTOUR IS PLACED IN METERS)



CANAL DIMENSION	Q = 60.0 m <sup>3</sup> /sec, B = 12.0 m, d = 3.4 m, I = 1/10,000	
WATER SURFACE ELEVATION	114.3	108.7
GROUND SURFACE ELEVATION	114.3	109.7
DISTANCE	50	50.095
STATION	50	50.095
	50.348	112.6
	50.570	109.7
	50.792	108.7
	50.950	108.5
	51.000	108.5
	51.126	108.5
	51.158	108.5
	51.150	108.7
	51.411	112.8
	51.634	115.8
	51.792	112.8
	51.855	109.7
	51.950	108.7
	52.000	108.7
	52.190	108.2
	52.380	108.2
	52.475	108.7
	52.655	108.7
	52.835	112.6
	52.900	108.6
	53.095	108.6
	53.225	103.6
	53.285	103.6
	53.538	107.6
	53.855	103.6
	53.950	103.6
	54.000	104.2
	54.280	103.6
	54.725	103.6
	54.792	103.6
	55.000	109.7
	55.348	109.7
	55.380	103.6
	55.407	103.6
	55.524	103.6
	55.760	106.7
	55.855	103.6
	55.950	103.6
	56.095	106.7
	56.285	103.6
	56.407	103.6
	57.000	103.6
	57.150	103.6
	57.255	103.6
	57.697	109.7
	58.000	103.6
	58.095	103.6
	58.158	102.1
	58.443	103.6
	58.697	106.7
	59.000	106.7
	59.221	106.1
	59.475	106.7
	59.634	106.7
	59.919	106.7
	60.000	108.2
	60.158	109.7
	60.317	109.7
	60.570	108.2
	60.792	106.1
	60.950	103.6
	61.095	103.6
	61.412	109.7
	61.634	110.3
	61.824	109.7
	61.950	106.6
	62.000	106.6
	62.174	103.6
	62.380	103.6
	62.539	109.7
	62.824	109.7
	62.950	103.6
	63.000	103.6
	63.158	103.6
	63.317	103.6
	63.697	103.6
	63.792	103.6
	64.000	113.0
	64.000	107.3

PROFILE OF MINIPE L.B. MAIN CANAL



CANAL DIMENSION	Q = 60.0 m <sup>3</sup> /sec, B = 12.0 m, H = 4.0 m, d = 3.4 m, I = 1/10,000	
WATER SURFACE ELEVATION	113.0	107.3
GROUND SURFACE ELEVATION	113.0	107.2
DISTANCE	64	64.000
STATION	64	64.158
	64.317	106.6
	64.443	112.7
	64.824	110.6
	65.000	112.7
	65.223	105.6
	65.412	105.6
	65.792	106.6
	66.000	109.7
	66.263	112.7
	66.475	109.7
	66.792	105.4
	67.000	106.6
	67.317	106.6
	67.411	100.5
	67.950	106.6
	68.000	106.2
	68.158	113.3
	68.360	106.6
	68.887	106.6
	69.000	112.7
	69.475	112.7
	69.855	114.3
	70.000	121.9
	70.158	114.3
	70.348	121.9
	70.506	112.7
	70.600	106.6
	71.000	106.6
	71.150	106.1
	71.633	107.3
	71.792	105.2
	72.000	105.2
	72.285	106.6
	72.729	106.6
	73.000	109.7
	73.316	112.1
	73.539	106.6
	73.752	111.2
	74.000	107.2
	74.316	110.3
	74.634	106.6
	74.792	103.6
	75.000	106.1

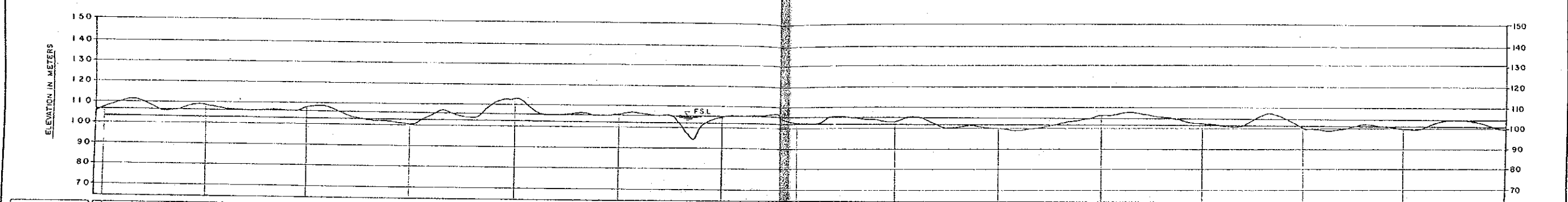
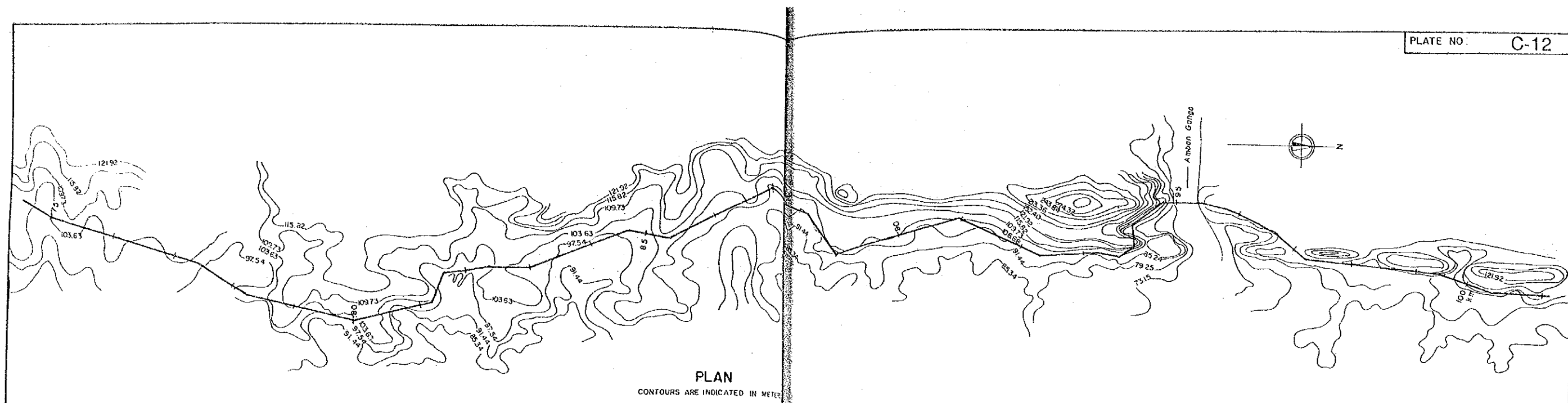
PROFILE OF MINIPE L.B. MAIN CANAL

GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELEI DEVELOPMENT  
 THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**PROFILE OF MINIPE L.B. MAIN CANAL (3)**

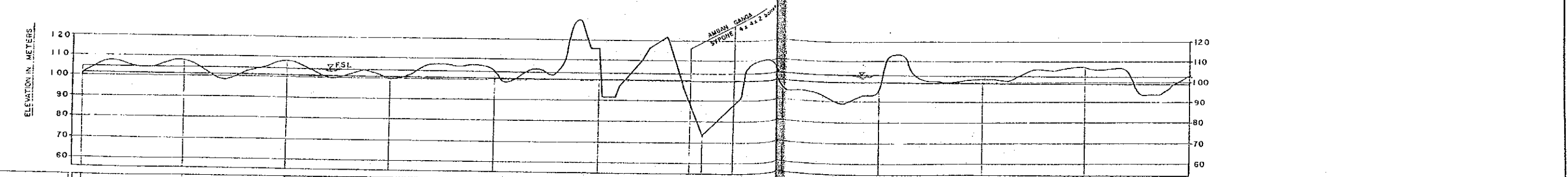
JAPAN INTERNATIONAL COOPERATION AGENCY  
 TOKYO, JAPAN

DWG. No.



$Q = 60.0 \text{ m}^3/\text{sec}, B = 12.0 \text{ m}, H = 4.0 \text{ m}, d = 3.4 \text{ m}, I = 1/10,000$

CANAL DIMENSION																				
WATER SURFACE ELEVATION																				
GROUND SURFACE ELEVATION	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
DISTANCE	75,000	75,316	75,665	76,000	76,317	76,600	76,900	77,150	77,370	77,570	77,750	77,900	78,000	78,300	78,634	78,900	79,000	80,000	80,523	80,729
STATION	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94



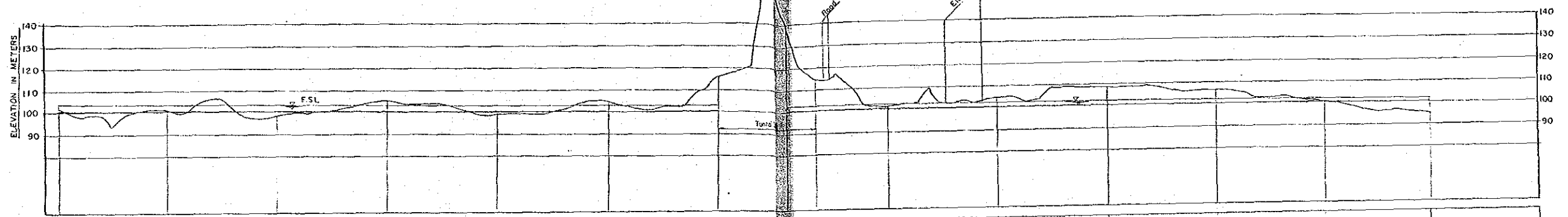
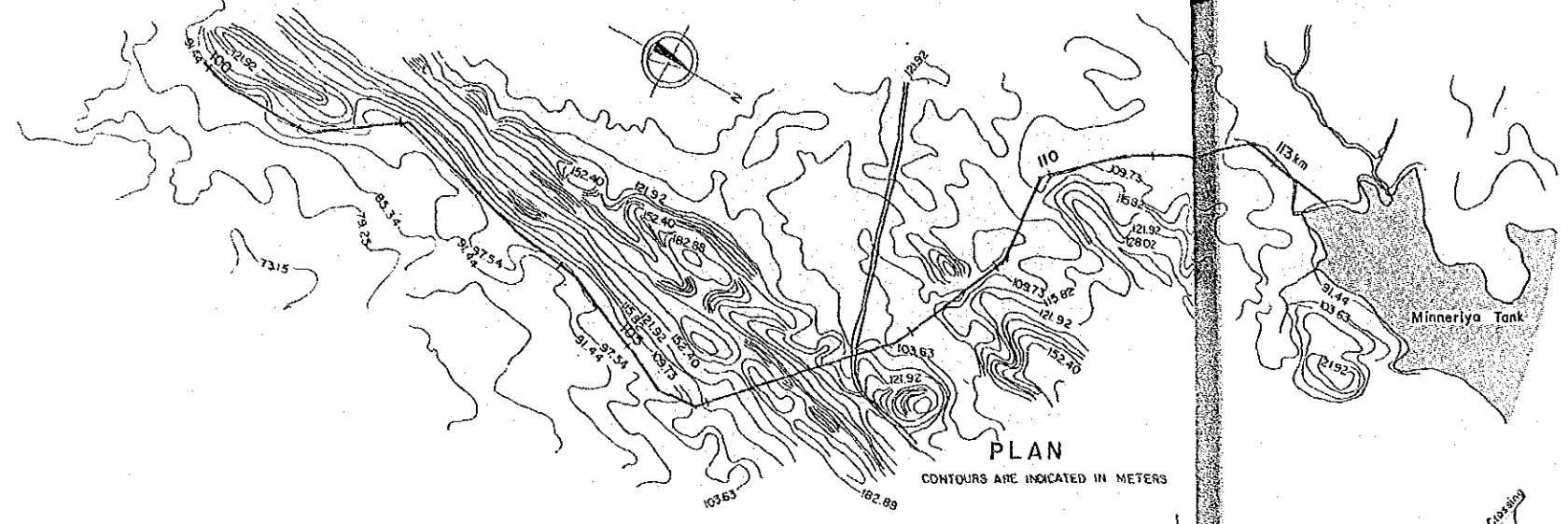
$Q = 60.0 \text{ m}^3/\text{sec}, B = 12.0 \text{ m}, H = 4.0 \text{ m}, d = 3.4 \text{ m}, I = 1/10,000$

CANAL DIMENSION												
WATER SURFACE ELEVATION												
GROUND SURFACE ELEVATION	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
DISTANCE	89,000	89,158	89,601	90,000	90,522	91,000	91,750	92,000	92,570	93,000	93,411	93,539
STATION	89	90	91	92	93	94	95	96	97	98	99	100

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELE DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

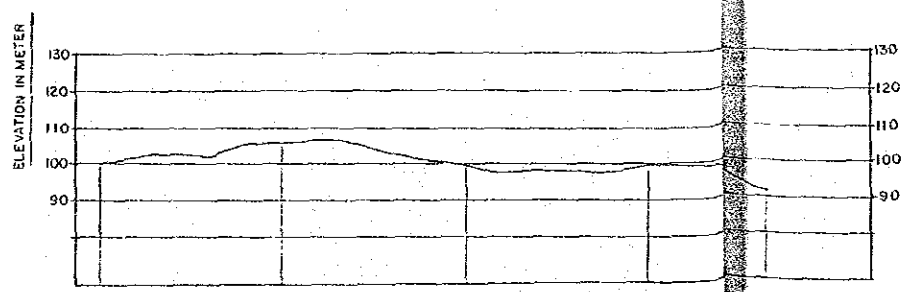
TITLE OF DRAWING  
**PROFILE OF MINIPE L.B. MAIN CANAL (4)**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO.  
TOKYO, JAPAN.



CANAL DIMENSION	Q = 60 m <sup>3</sup> /sec, B = 12 m, H = 4.0 m, d = 3.4 m, I = 1/10,000										Tunnel r = 3.175 m		Q = 60 m <sup>3</sup> /sec, B = 12 m, H = 4.0 m, d = 3.4 m, I = 1/10,000				
WATER SURFACE ELEVATION	103.4	103.3	103.2	103.1	103.0	102.9	102.8	102.7	102.6	102.5	102.4	102.3	102.2	102.1	102.0	101.9	101.8
GROUND SURFACE ELEVATION	103.6	104.4	106.6	109.3	106.6	100.5	105.1	116.7	121.9	120.0	117.3	102.1	105.2	109.1	107.0	101.8	95.1
DISTANCE	0	0.507	1.000	1.535	2.000	2.500	3.000	3.500	4.000	4.500	5.000	5.500	6.000	6.500	7.000	7.500	8.000
STATION	100	101	102	103	104	105	106	107	108	109	110	111	112	113 km			

PROFILE OF MINIPE MAIN CANAL



CANAL DIMENSION						
WATER SURFACE ELEVATION	99.4	101.5	105.2	106.1	99.1	97.6
GROUND SURFACE ELEVATION	99.4	101.5	105.2	106.1	99.1	97.6
DISTANCE	0	0.633	1.000	1.316	2.000	3.000
STATION	0	1	2	3	4 km	

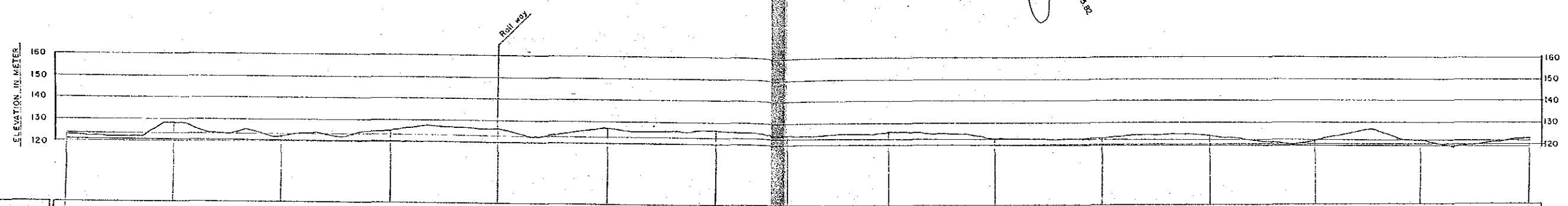
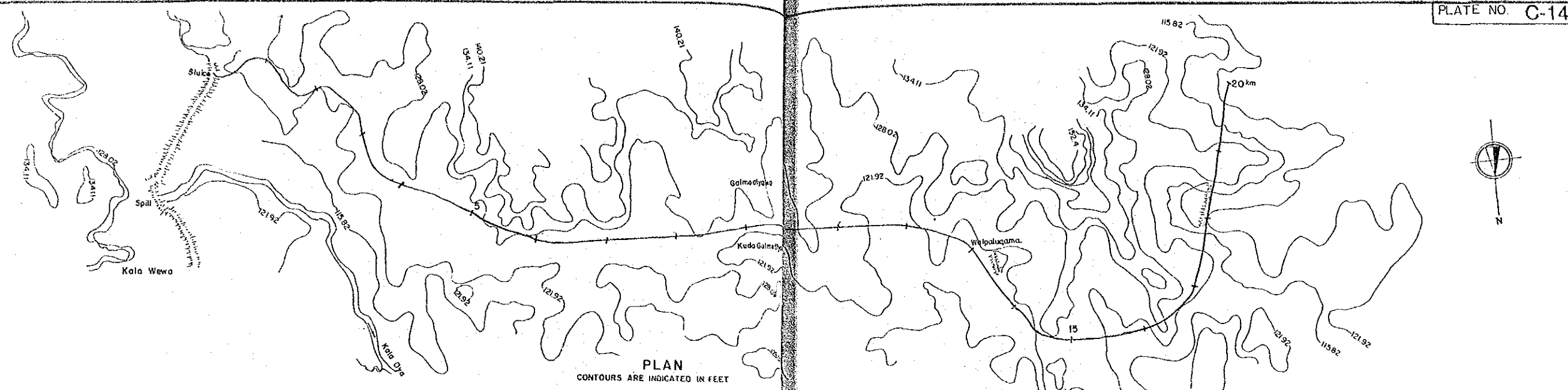
PROFILE OF OFF TAKE TO PARANGIARU RESERVOIR

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

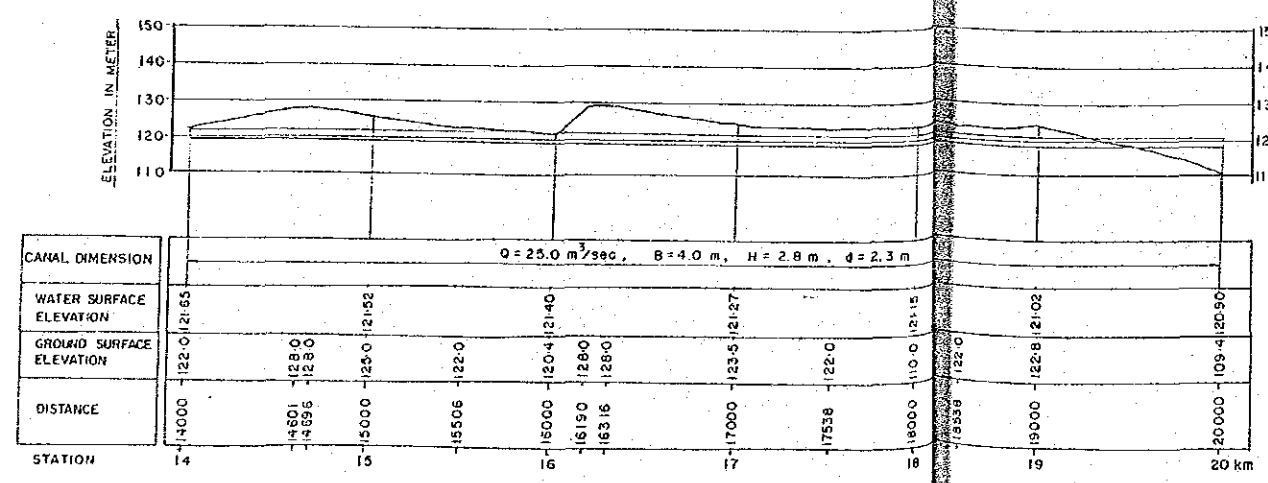
TITLE OF DRAWING  
**PROFILE OF MINIPE L.B. MAIN CANAL (5)**

JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN.

DWG. NO.



CANAL DIMENSION		Q = 25.0 m <sup>3</sup> /sec, B = 4.0 m, H = 2.8 m, d = 2.3 m																													
WATER SURFACE ELEVATION		123.40	123.40	123.27	123.00	123.00	122.90	122.77	122.65	122.40	122.40	122.40	122.27	122.15	122.02	121.90	121.65														
GROUND SURFACE ELEVATION		122.2	122.0	128.0	128.0	125.0	126.0	126.5	125.0	124.0	125.3	122.85	123.5	124.4	122.02	119.5	121.77														
DISTANCE		0	633	1000	1095	1036	1475	1665	2000	20316	20475	3000	30538	4000	40316	5000	50791	6000	7000	8000	9000	10000	10791	11000	11791	12000	12475	12601	13000	13316	14000
STATION		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14															



CANAL DIMENSION		Q = 25.0 m <sup>3</sup> /sec, B = 4.0 m, H = 2.8 m, d = 2.3 m													
WATER SURFACE ELEVATION		121.65	121.65	121.52	121.40	121.27	121.15	121.02	120.90	120.50					
GROUND SURFACE ELEVATION		122.0	128.0	125.0	122.0	120.4	128.0	110.0	110.0	109.4					
DISTANCE		14000	14601	14995	15000	15506	15000	16150	16316	17000	17538	18000	18538	19000	20000
STATION		14	15	16	17	18	19	20							

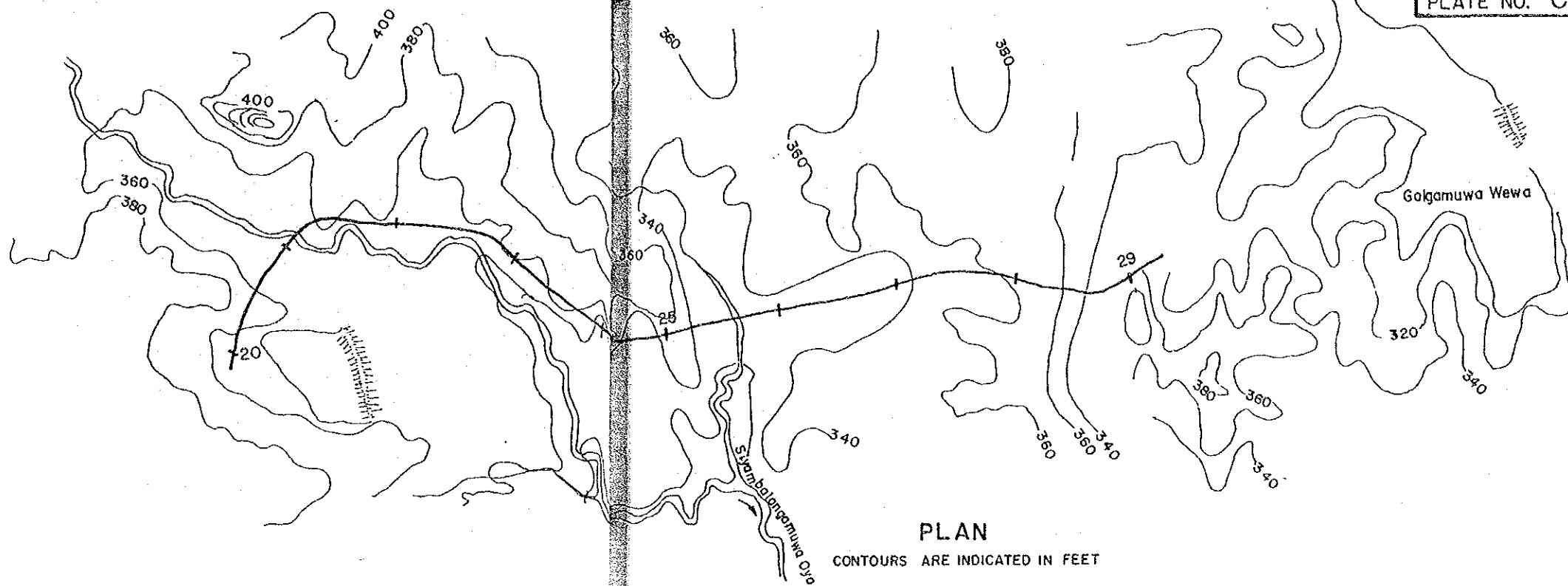
PROFILE

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**PROFILE OF NWDZ CANAL,  
KALAWEWA TO GALGAMUWA (1)**

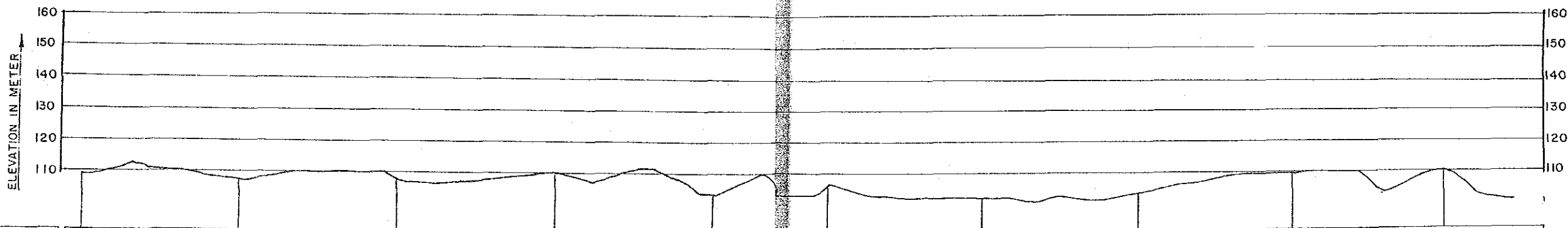
JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN

DWG. NO.



**PLAN**

CONTOURS ARE INDICATED IN FEET



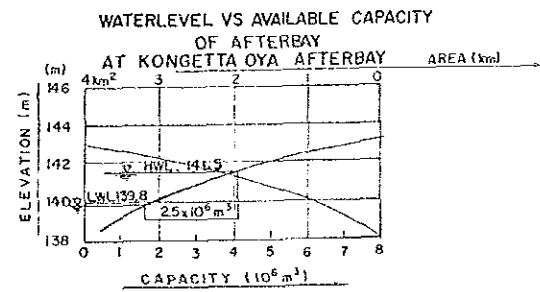
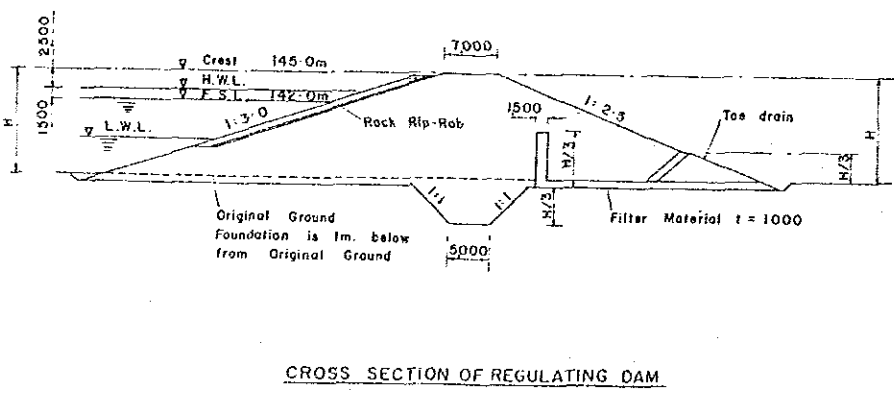
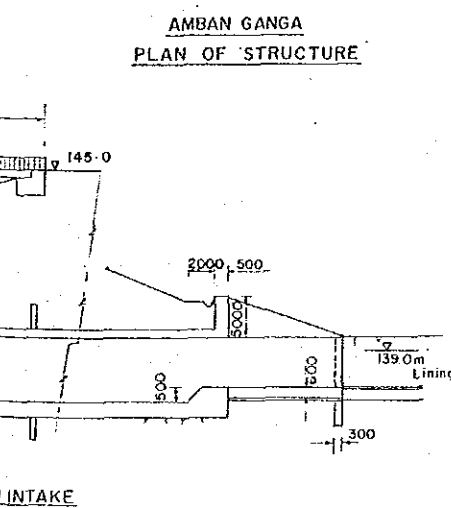
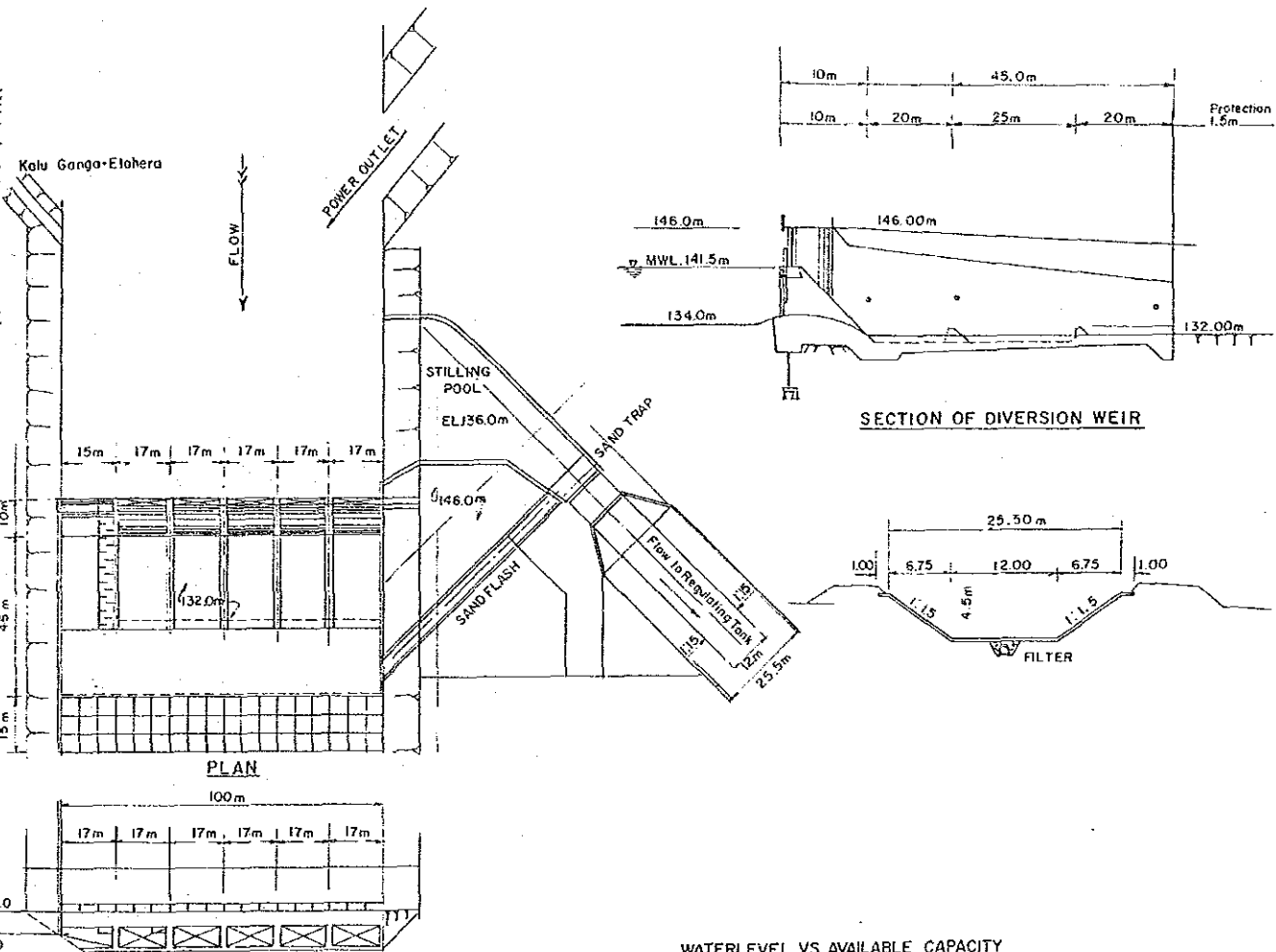
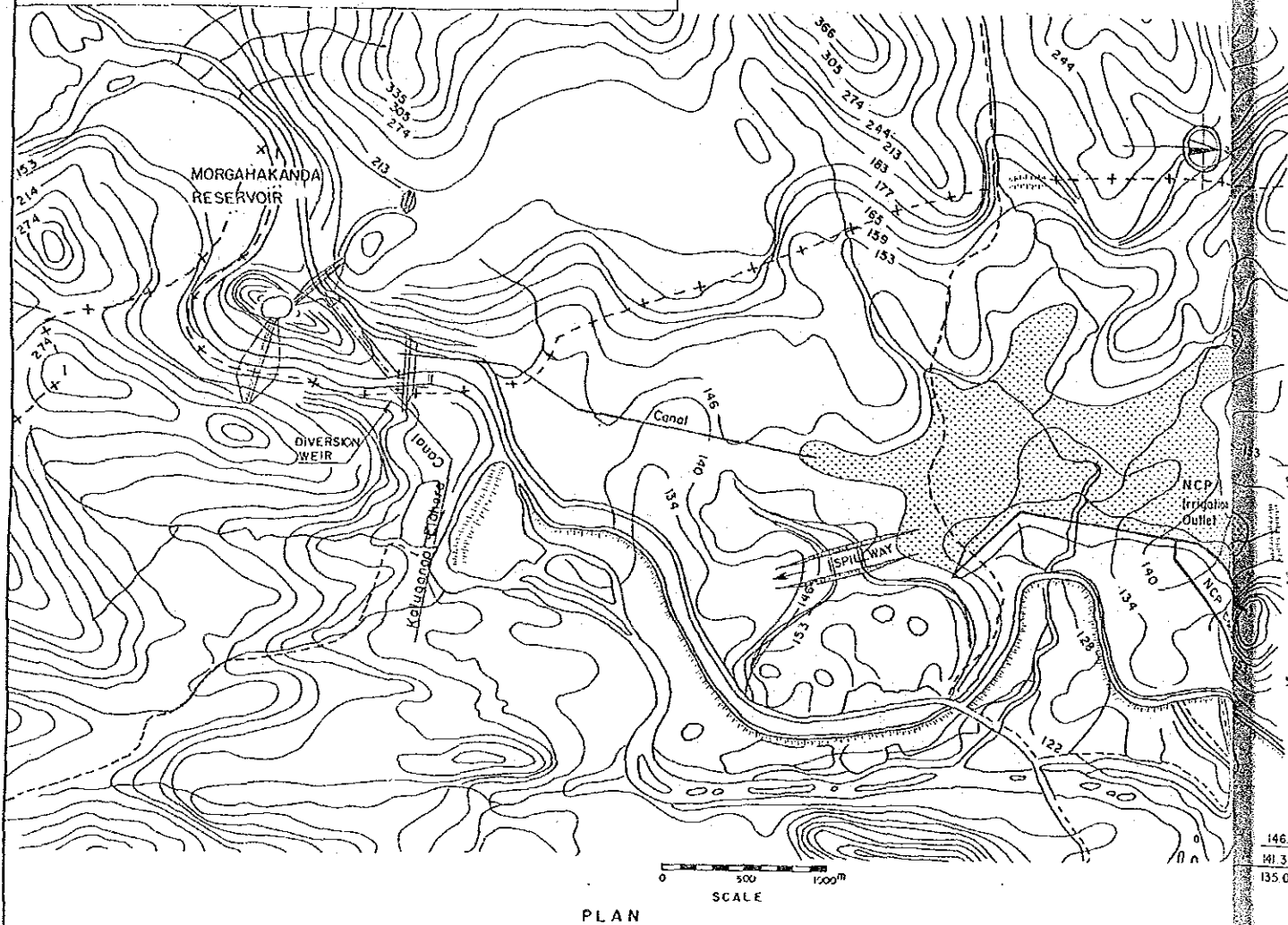
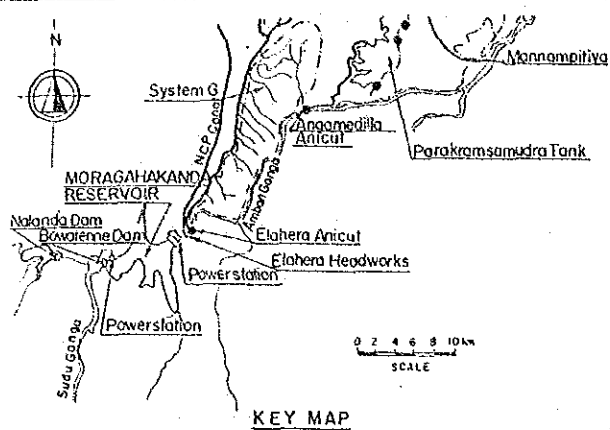
CANAL DIMENSION	$Q = 25 \text{ m}^3/\text{sec}, B = 4.0 \text{ m}, d = 2.3 \text{ m}$																											
	WATER SURFACE ELEVATION																											
	20000	20316	20538	21000	21886	22000	22380	22854	23000	23222	23633	24000	24316	25000	25253	26000	26316	26506	27000	28000	28475	28601	29000	29190	29475			
	109.4	112.8	110.0	107.3	110.0	107.3	107.0	110.0	110.0	107.0	111.3	103.6	110.0	107.0	103.6	102.0	100.6	103.0	103.0	110.0	110.0	103.6	110.0	103.6	101.2			
STATION	20			21			22			23			24			25			26			27			28			29

**PROFILE**

GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENTION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**PROFILE OF NWDZ CANAL,  
KALAWEWA TO GALGAMUWA (2)**

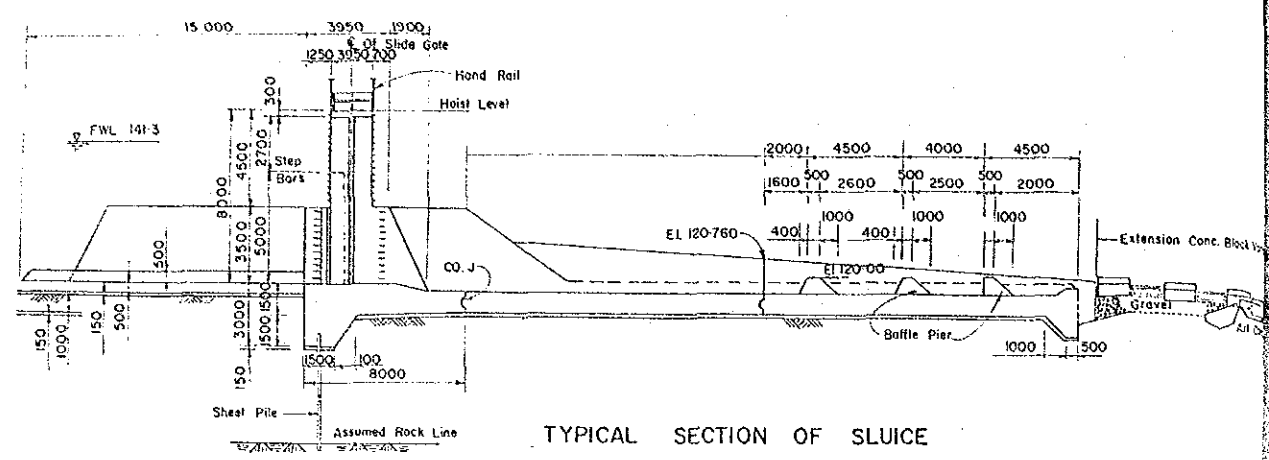
JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO, JAPAN.      DWG. NO:



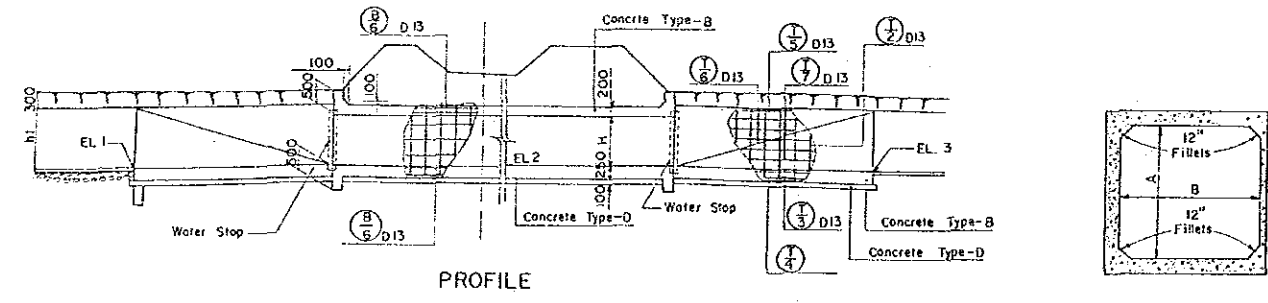
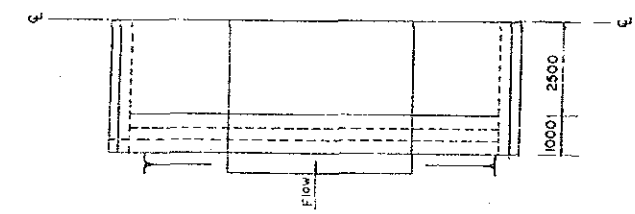
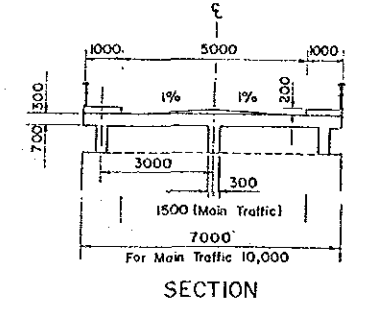
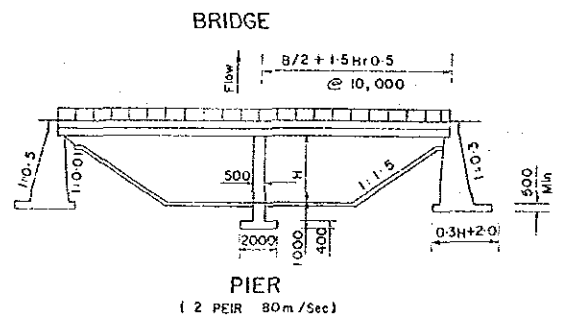
GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELE DEVELOPMENT  
 THE STUDY ON EXTENSION OF THE MORAGAHAKANDA AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**GENERAL PLAN FOR ELAHERA HEAD WORKS**

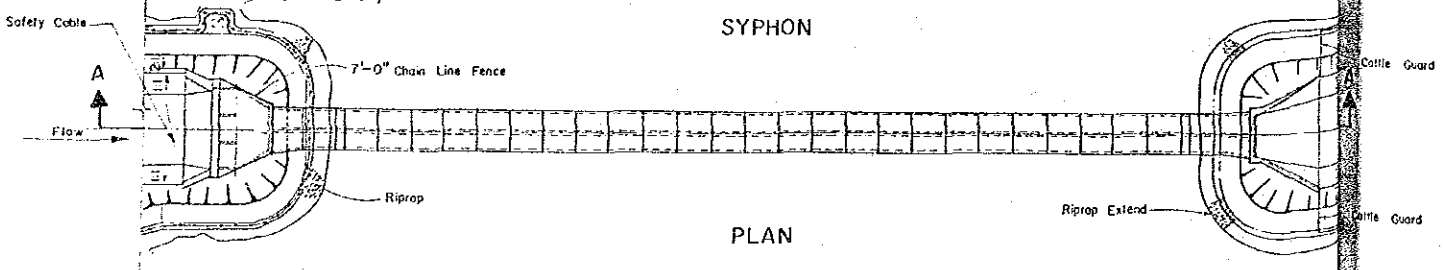
JAPAN INTERNATIONAL COOPERATION AGENCY DWG. No. TOKYO, JAPAN.



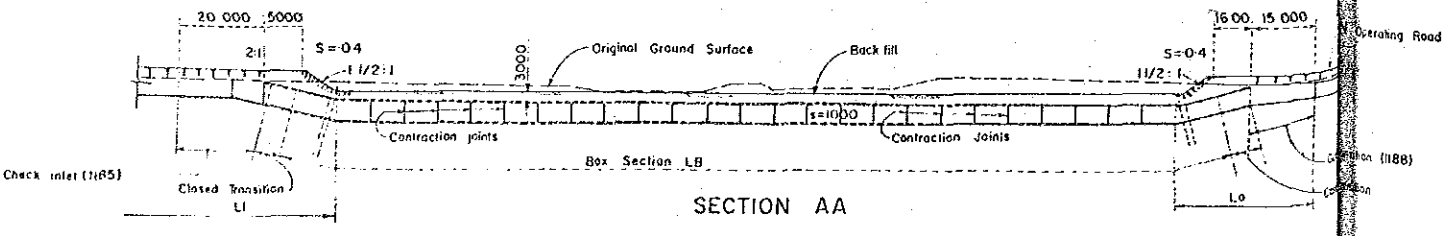
TYPICAL SECTION OF SLUICE



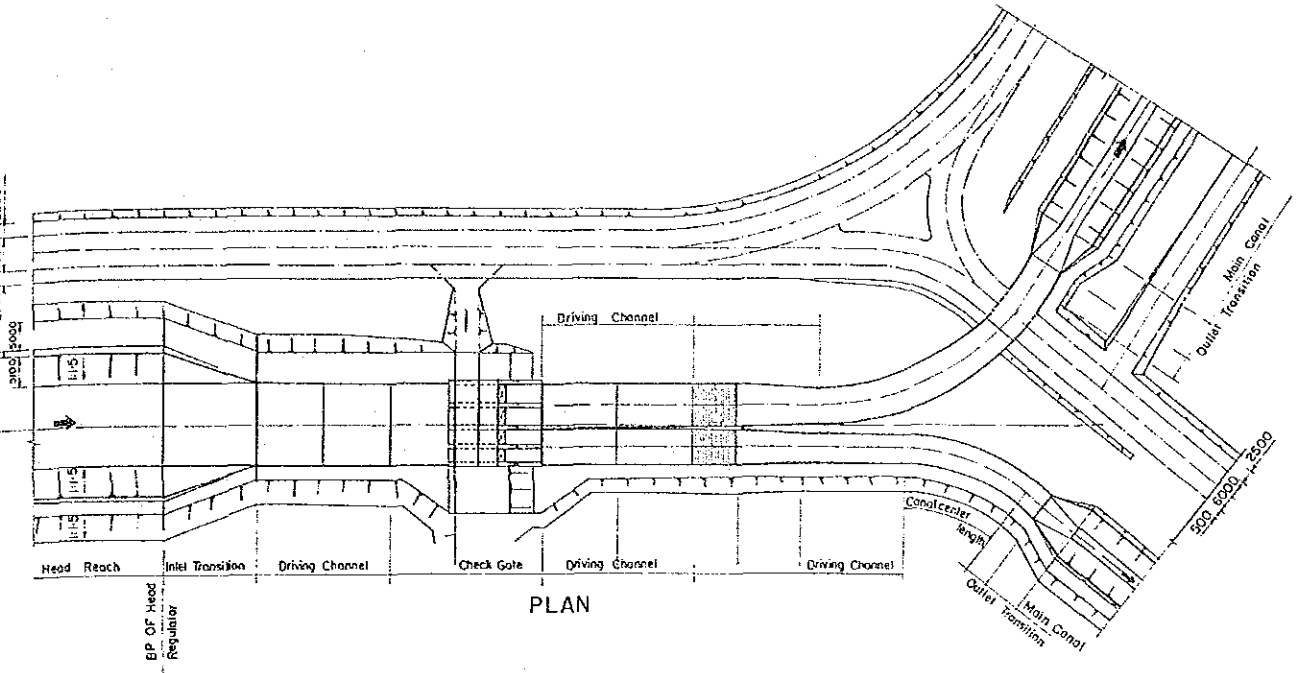
PROFILE



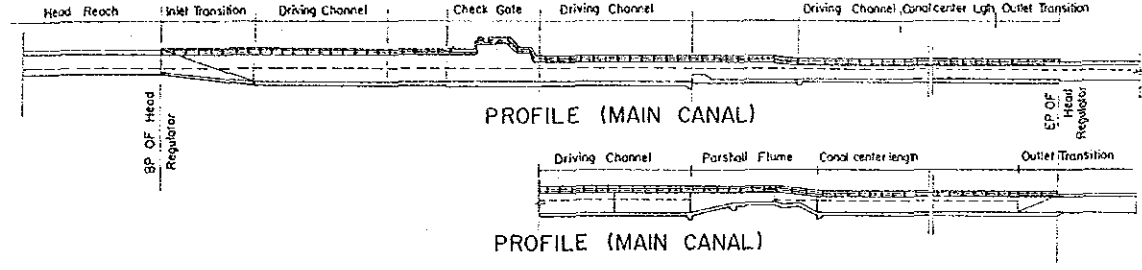
PLAN



SECTION AA

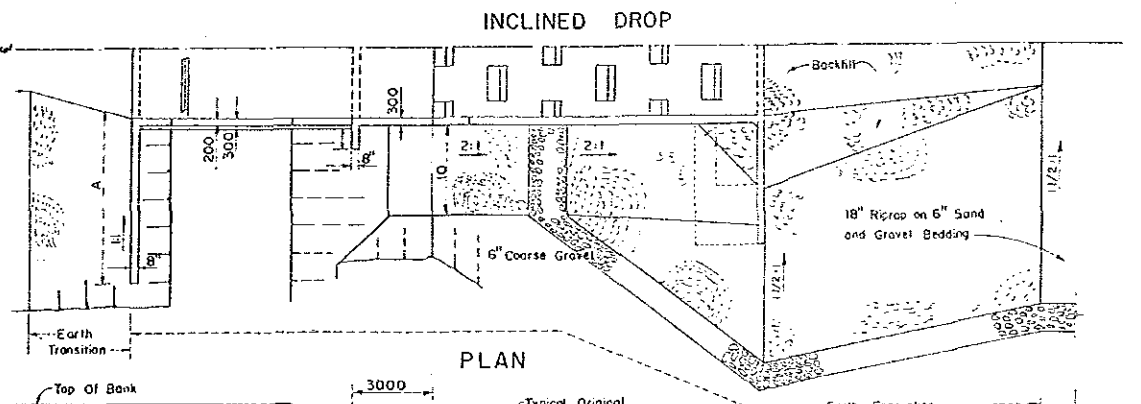


PLAN

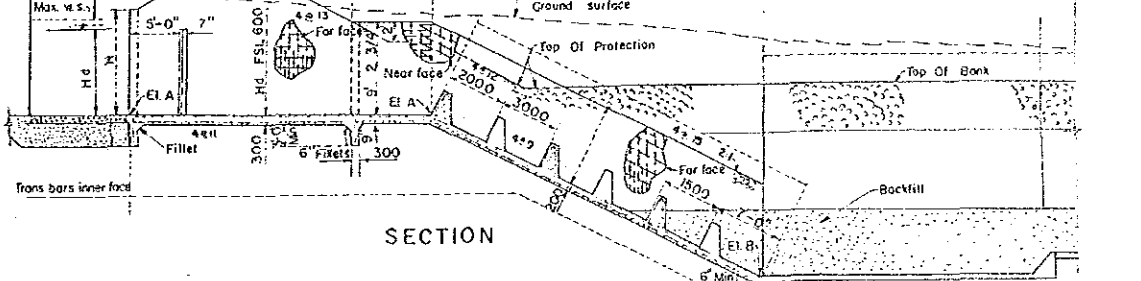


PROFILE (MAIN CANAL)

PROFILE (MAIN CANAL)



PLAN



SECTION

GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
 THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

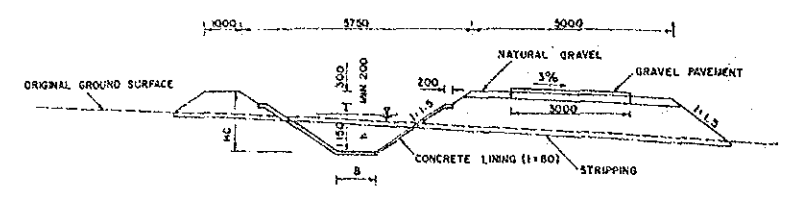
TITLE OF DRAWING  
**TYPICAL CANAL STRUCTURES (1)**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO.  
 TOKYO, JAPAN.



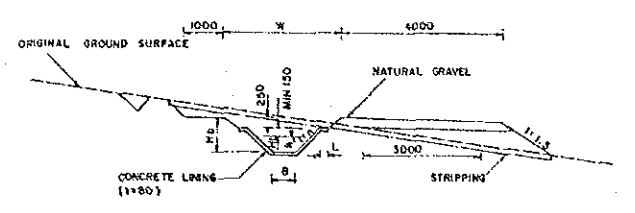






BRANCH & MINOR BRANCH CANAL

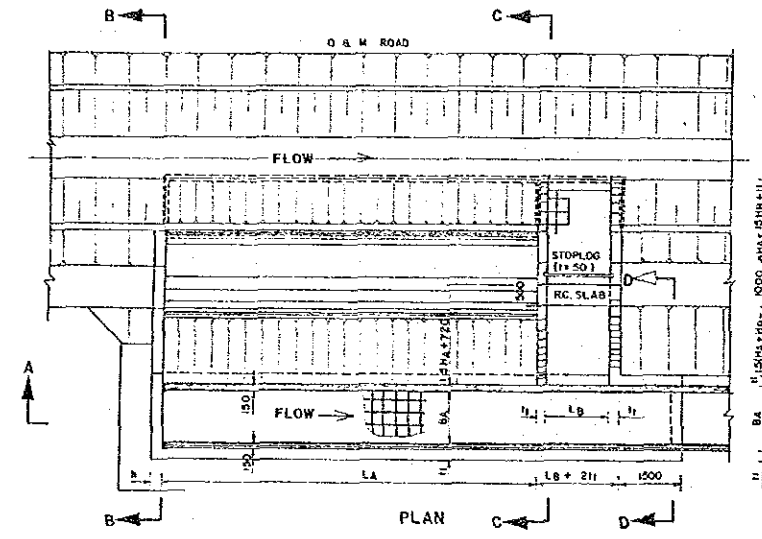
Q (m <sup>3</sup> /Sec)	B	Hc	Fb	Hb
2	1,500	1,000	300	1,300
5	1,300	1,400	300	1,700
9	2,000	2,000	300	2,300
10	2,500	2,300	400	2,700
15	3,000	2,300	400	2,700



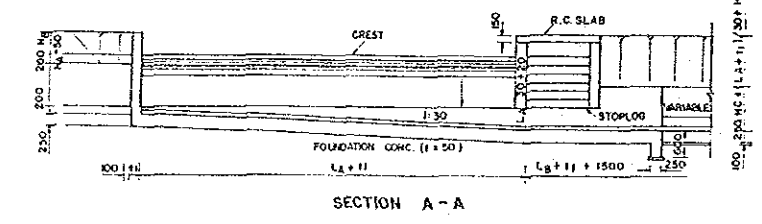
DISTRIBUTION & FIELD CANAL

CANAL TYPE	n	B	Hc	Hb	W	L
I	1.5	700	800	1050	4250	200
II	1.0	600	750	1000	3050	100
III	1.0	500	650	900	2750	100
IV	1.0	400	550	800	2450	100
V	1.0	300	450	700	2150	100

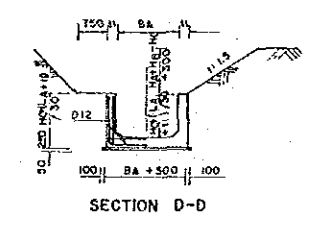
SPILLWAY



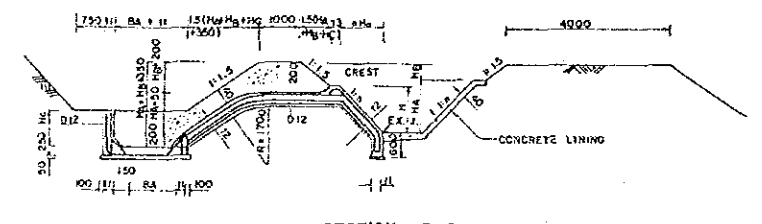
PLAN



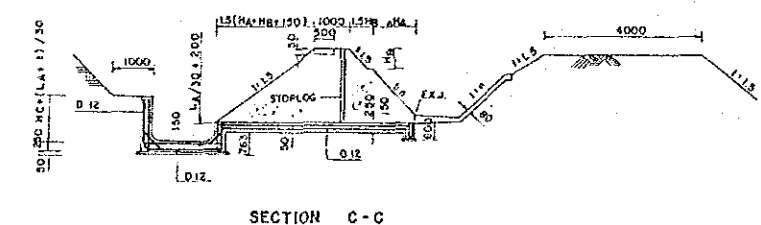
SECTION A-A



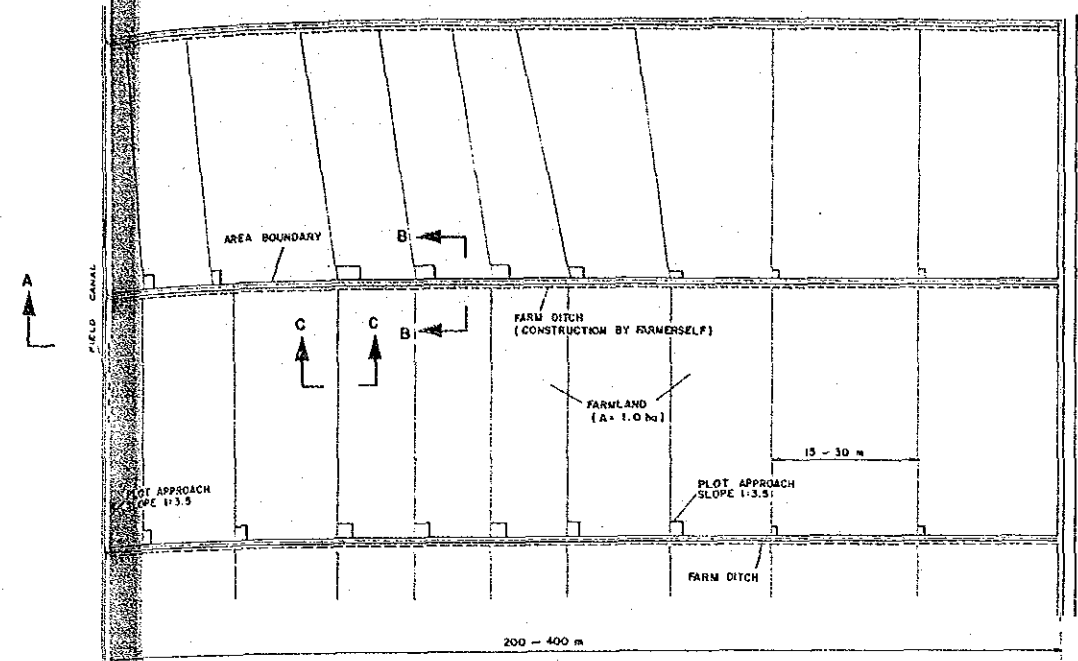
SECTION D-D



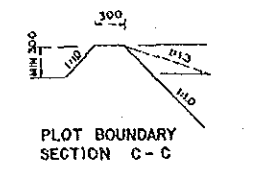
SECTION B-B



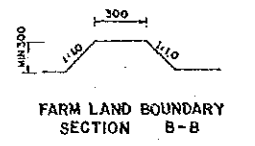
SECTION C-C



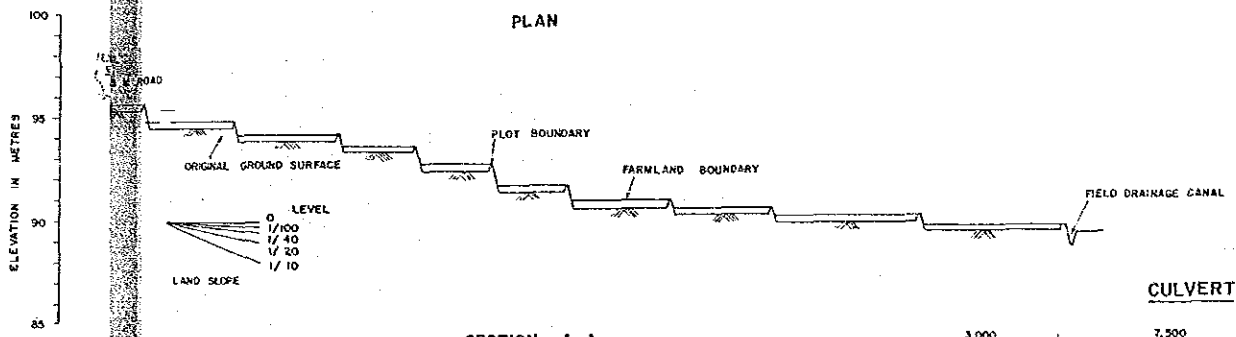
PLAN



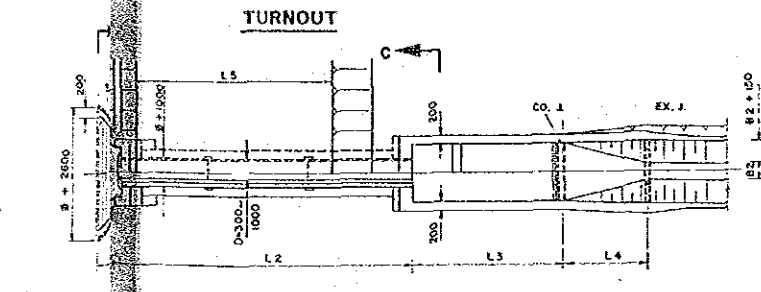
PLOT BOUNDARY SECTION C-C



FARM LAND BOUNDARY SECTION B-B

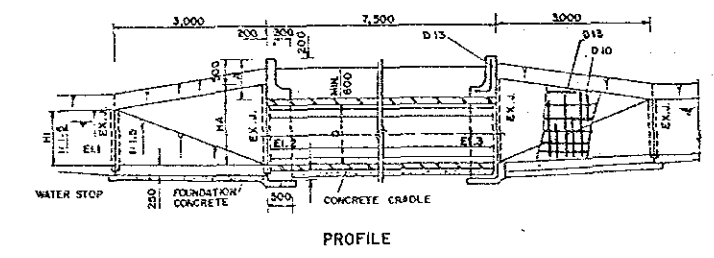


SECTION A-A



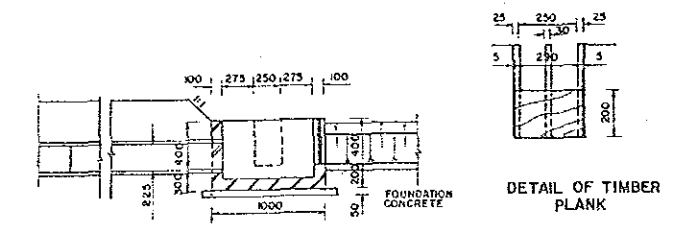
TURNOUT

PLAN

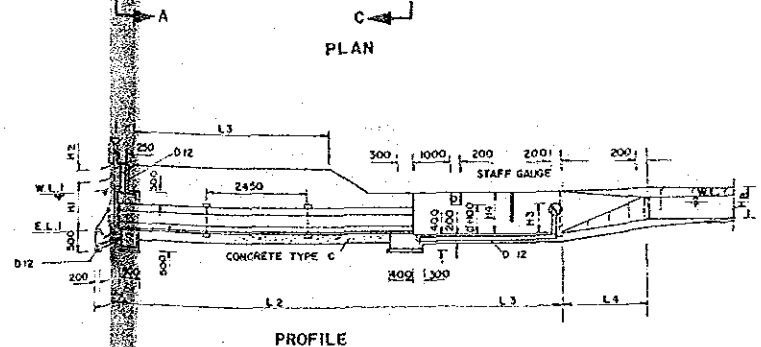


CULVERT

PROFILE

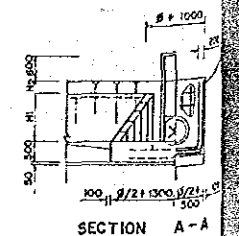


DETAIL OF TIMBER PLANK

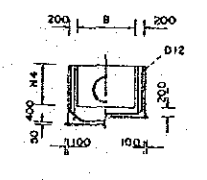


PROFILE

DIVISION BOX



SECTION A-A

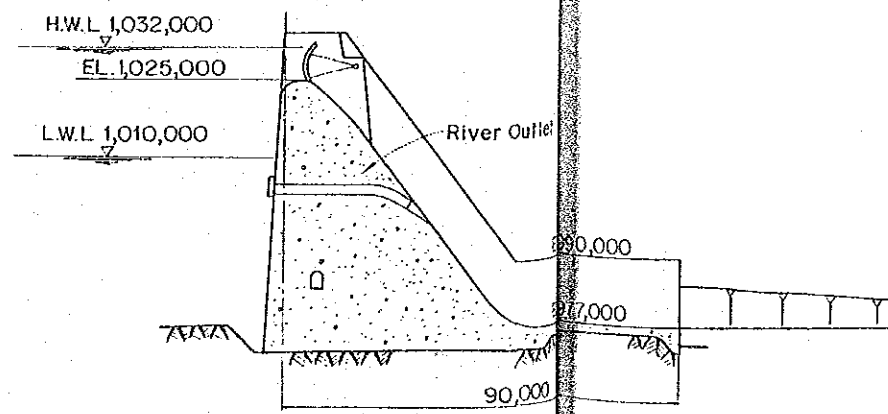
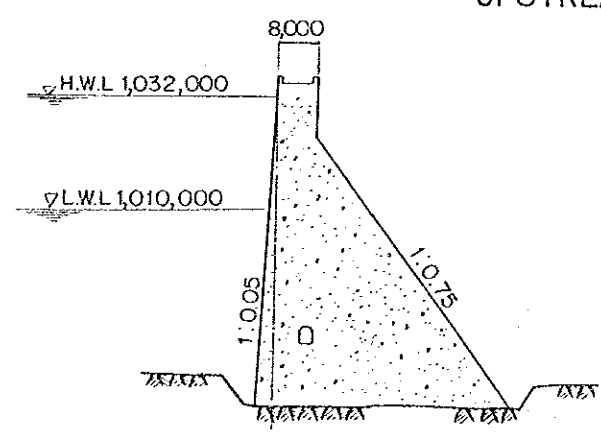
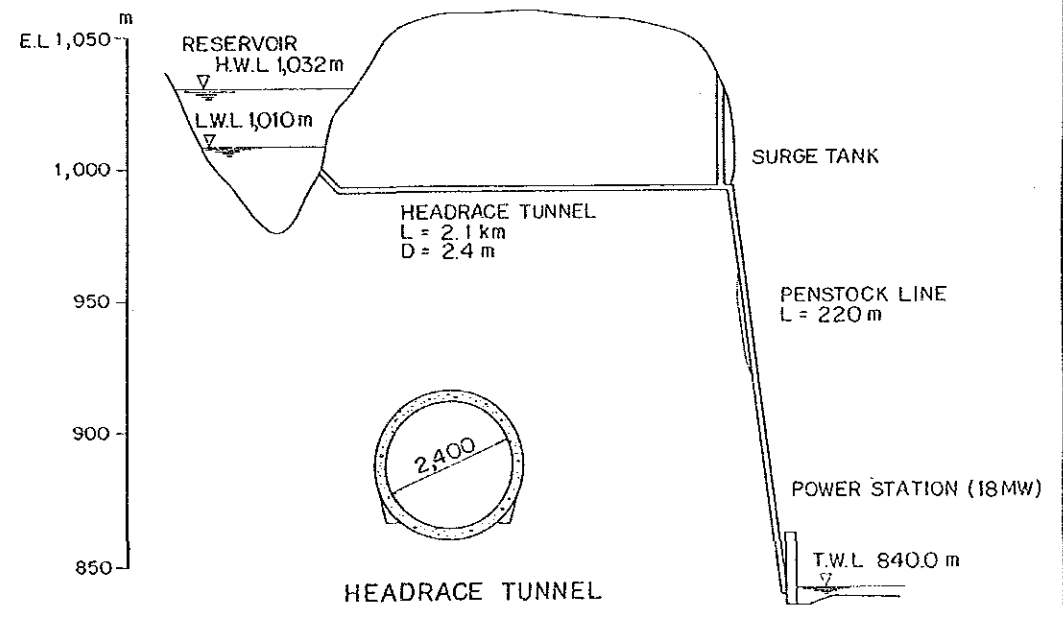
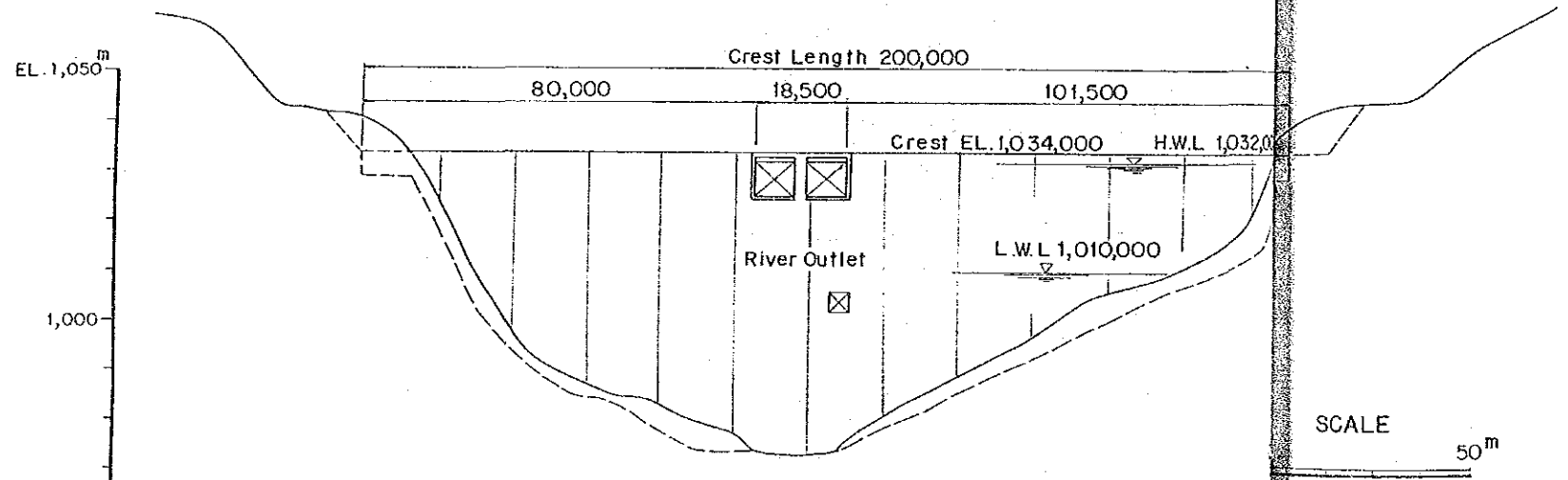
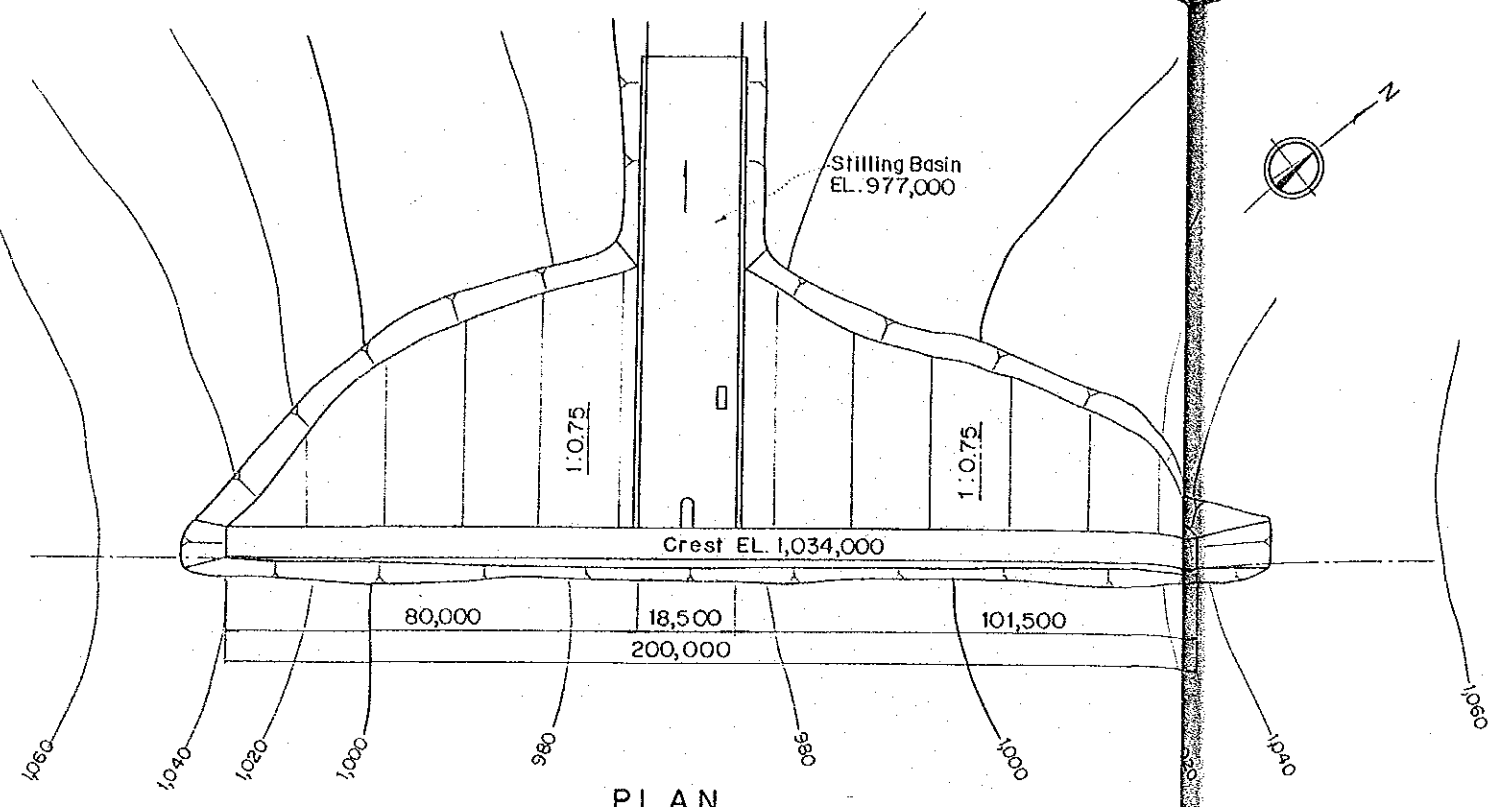
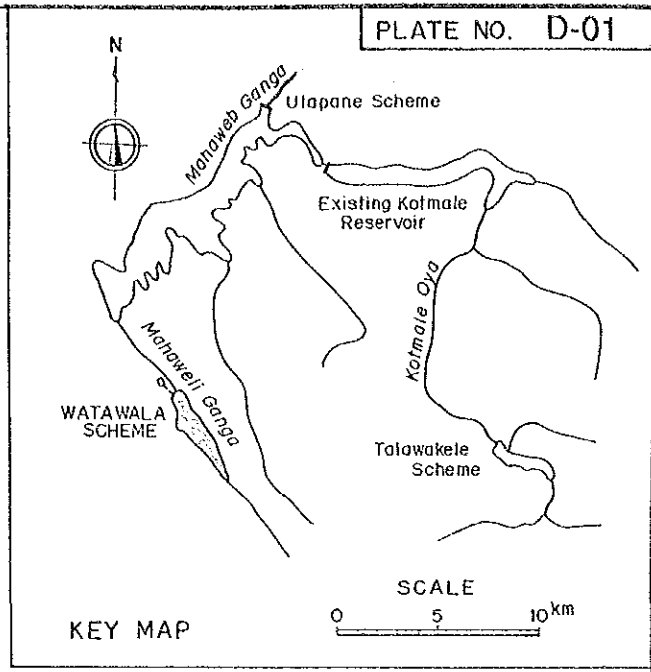


SECTION C-C

GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWEI DEVELOPMENT  
 THE STUDY ON EXTENTION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT  
 TITLE OF DRAWING  
**ON FARM DEVELOPMENT**  
 JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO.  
 TOKYO, JAPAN.



DAM



NON - OVERFLOW SECTION

OVERFLOW SECTION

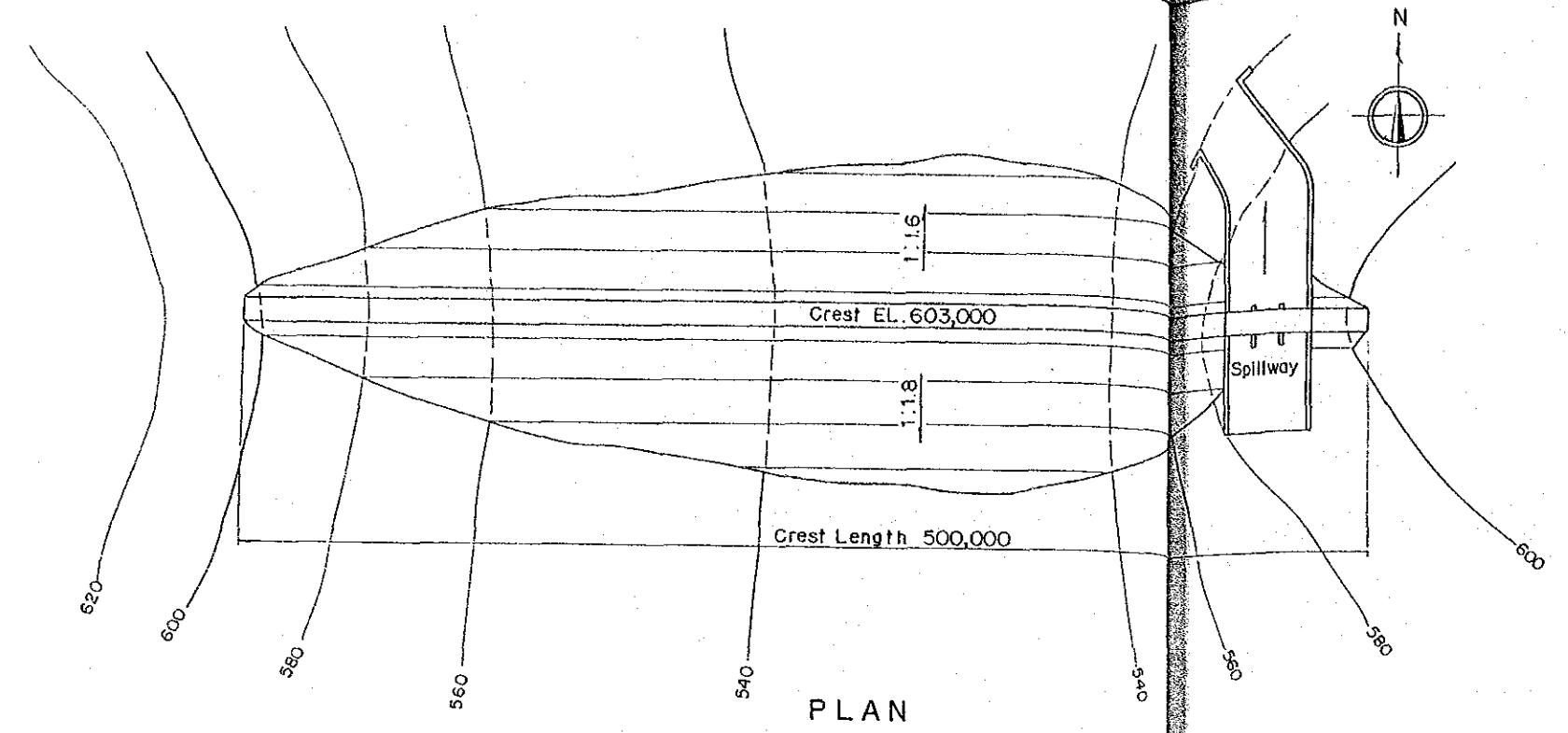
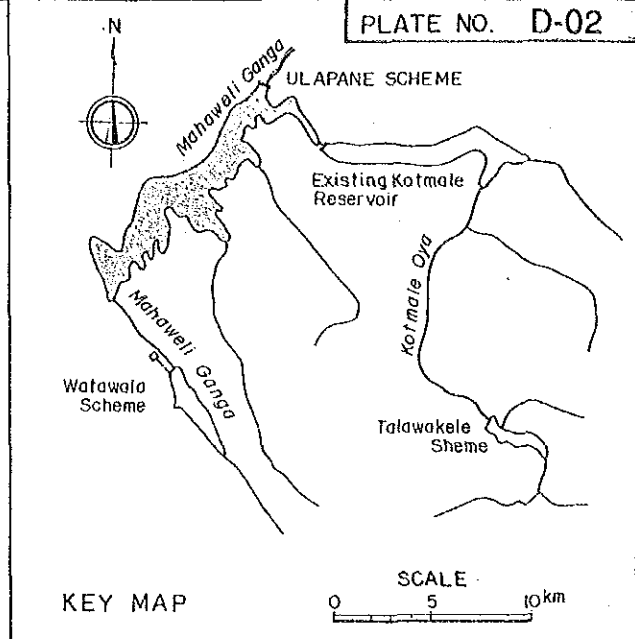
TYPICAL CROSS SECTION

PROFILE OF POWER WATERWAY

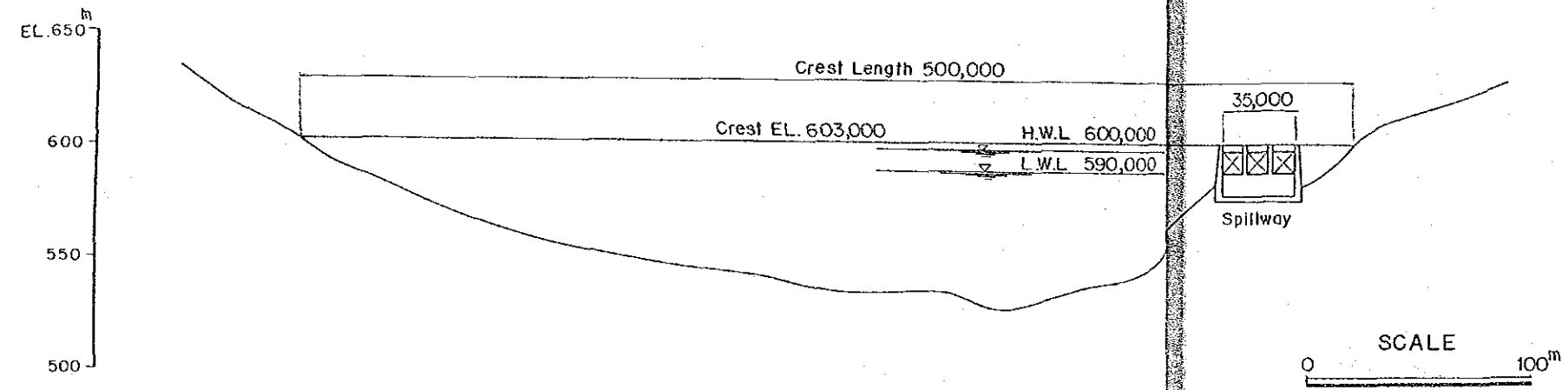
GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
 THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**WATAWALA HYDROPOWER SCHEME**

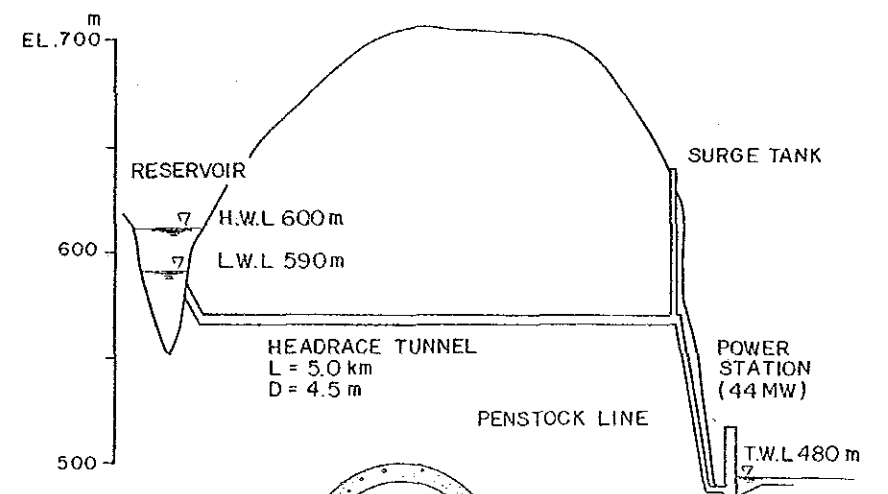
JAPAN INTERNATIONAL COOPERATION AGENCY | DWG. NO.  
 TOKYO, JAPAN.



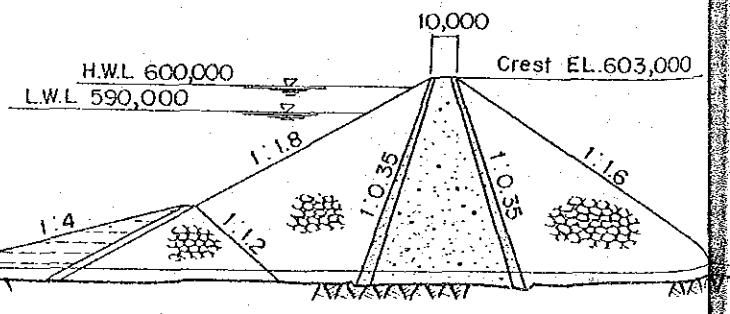
PLAN



UPSTREAM ELEVATION

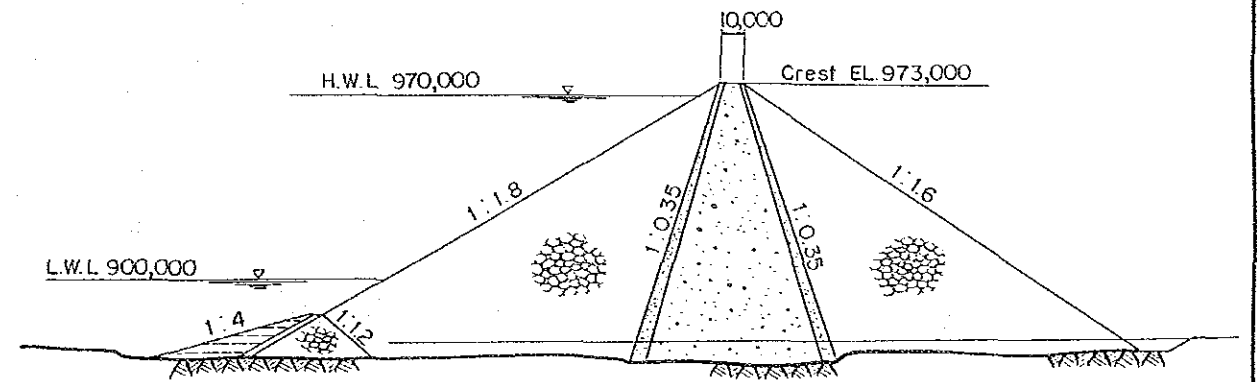
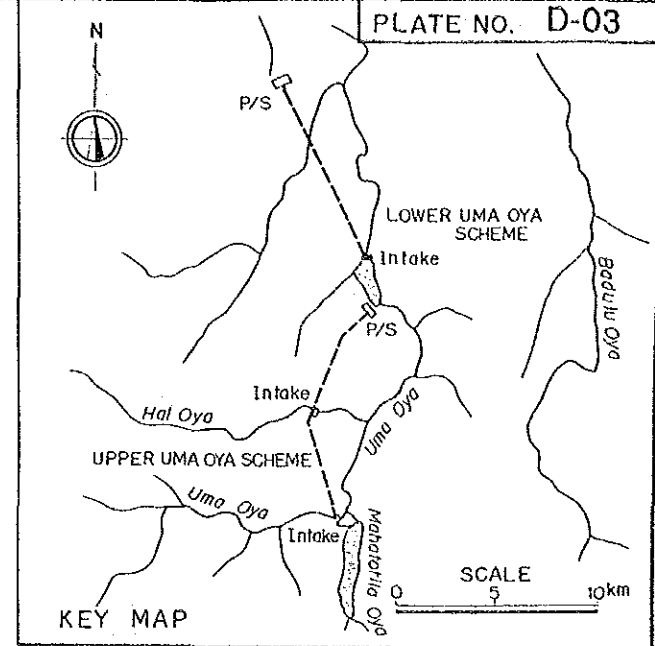
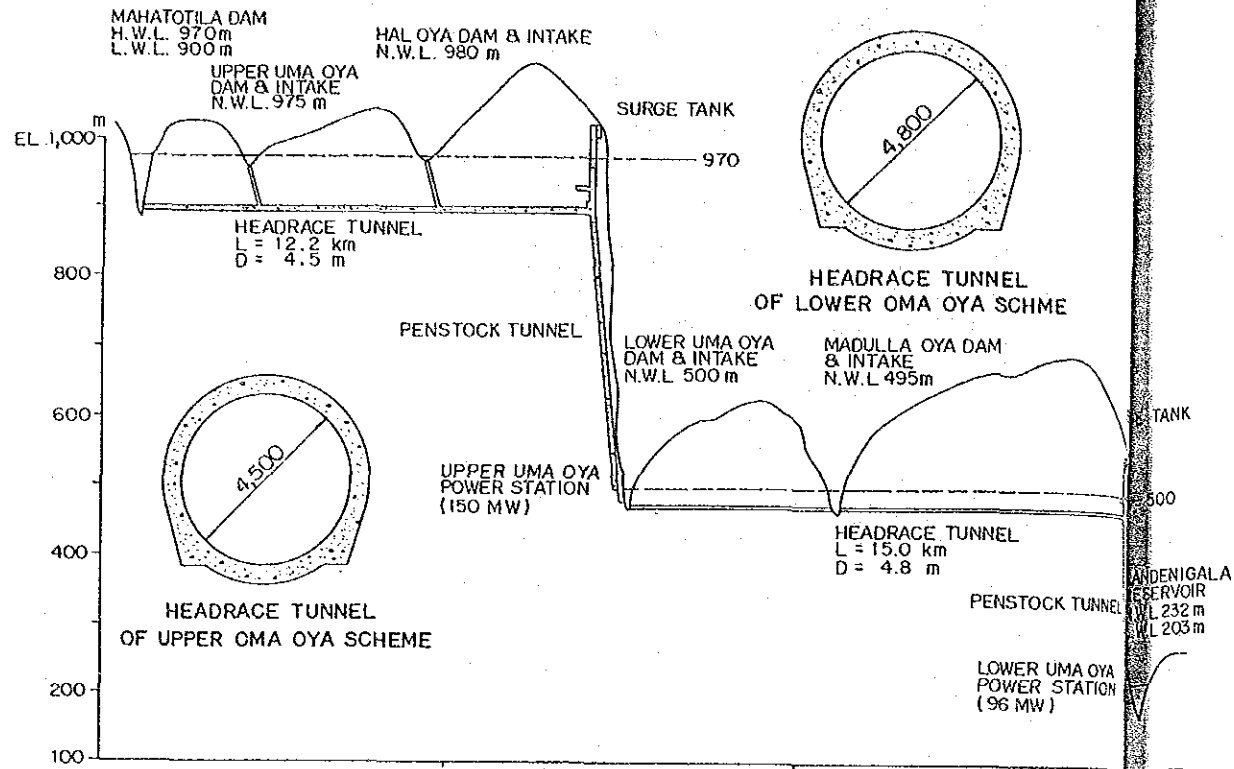


HEADRACE TUNNEL

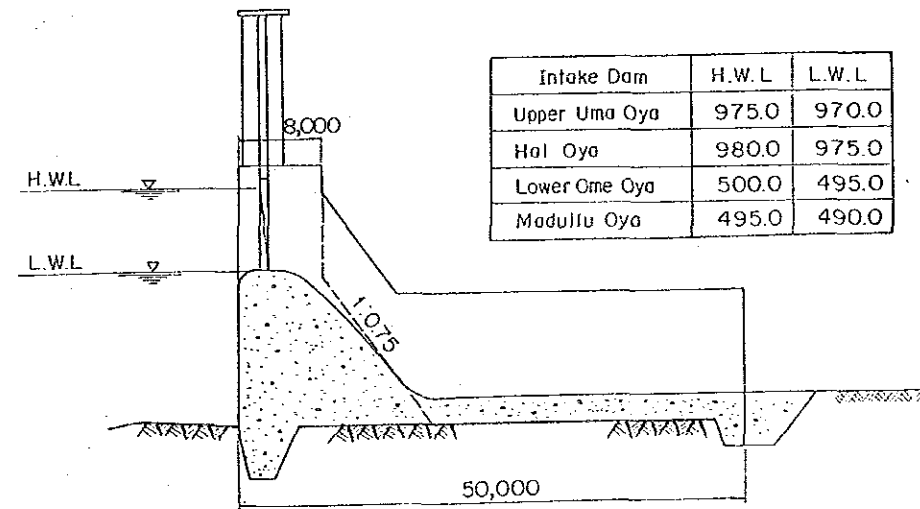


TYPICAL CROSS SECTION

GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA	
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT	
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA AGRICULTURAL DEVELOPMENT PROJECT	
TITLE OF DRAWING	
<b>ULAPANE HYDROPOWER SCHEME</b>	
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO, JAPAN.	DWG. NO.

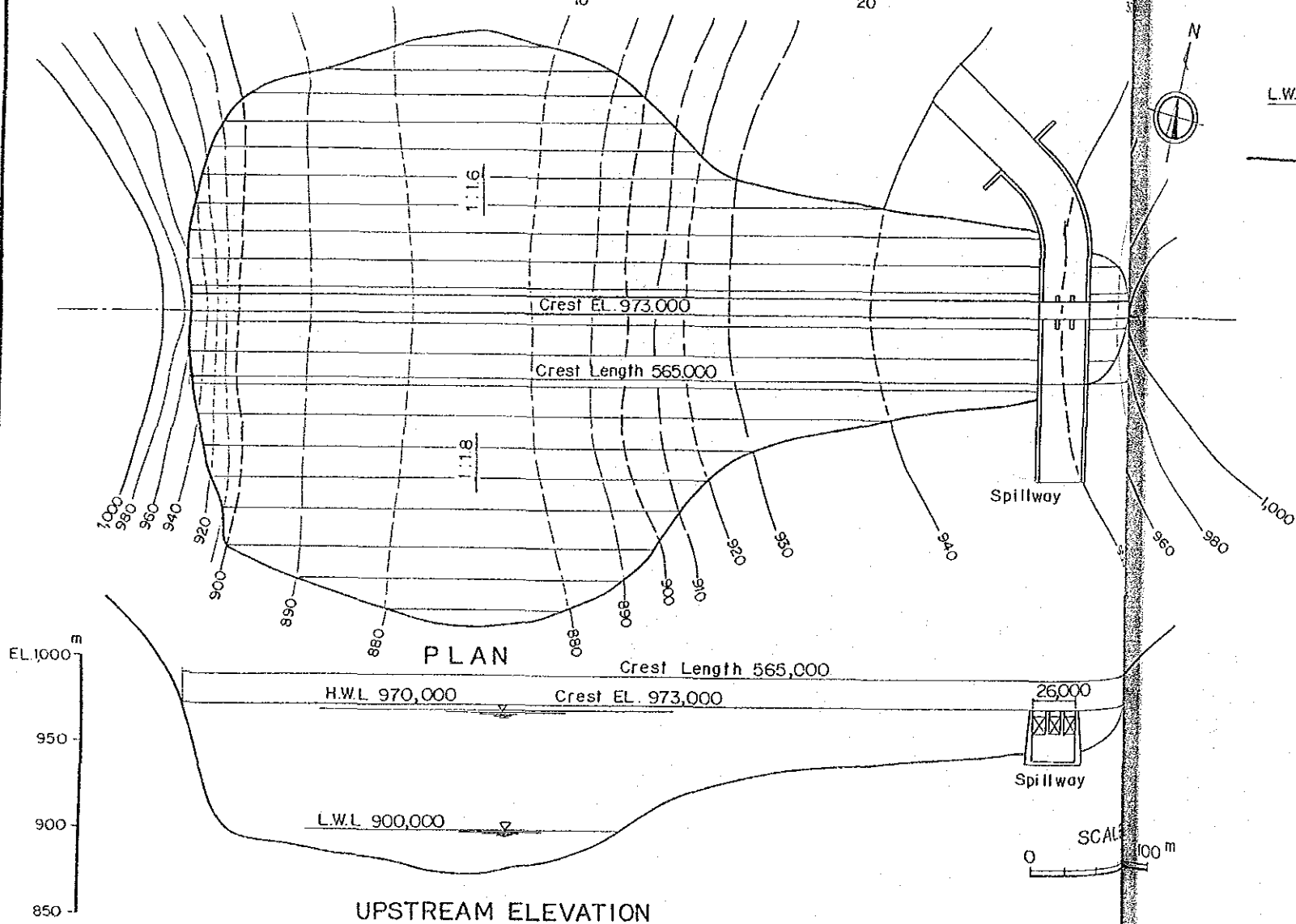


TYPICAL CROSS SECTION



Intake Dam	H.W.L.	L.W.L.
Upper Uma Oya	975.0	970.0
Hal Oya	980.0	975.0
Lower Uma Oya	500.0	495.0
Madulla Oya	495.0	490.0

TYPICAL CROSS SECTION OF INTAKE DAM



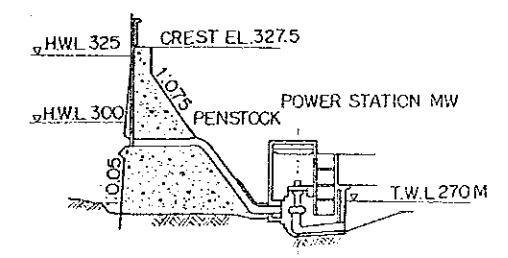
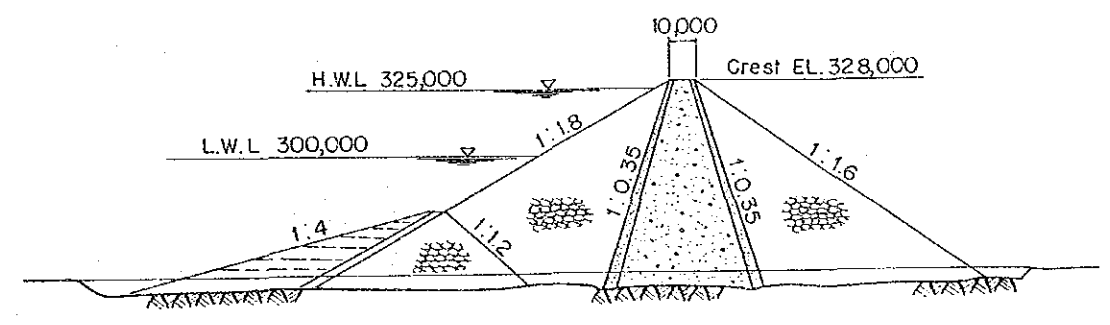
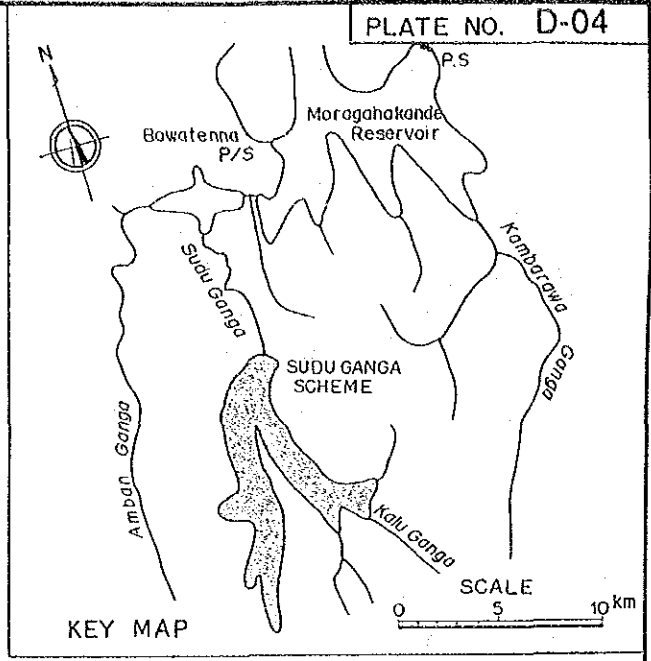
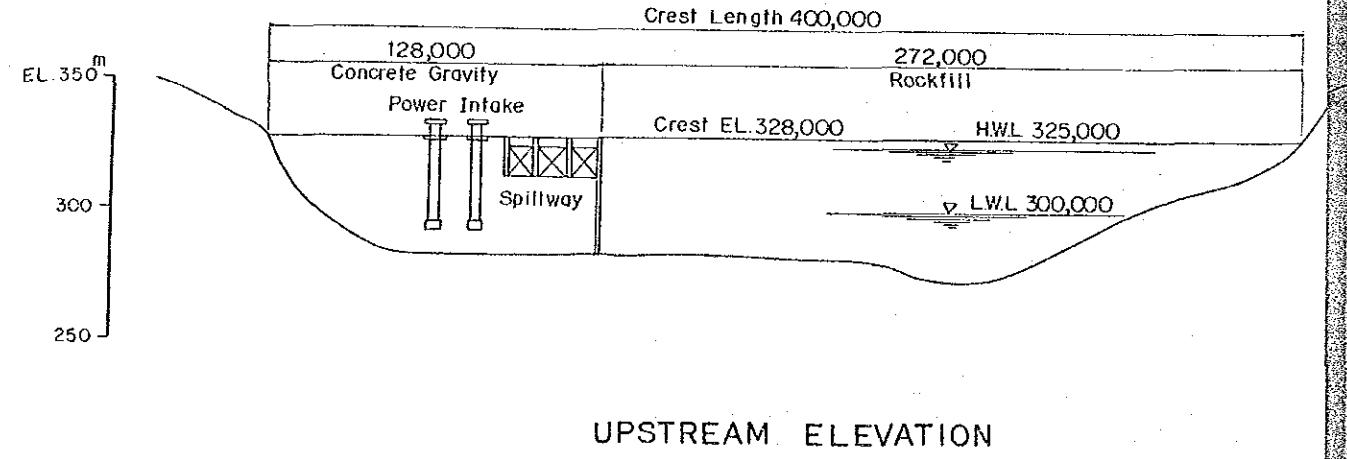
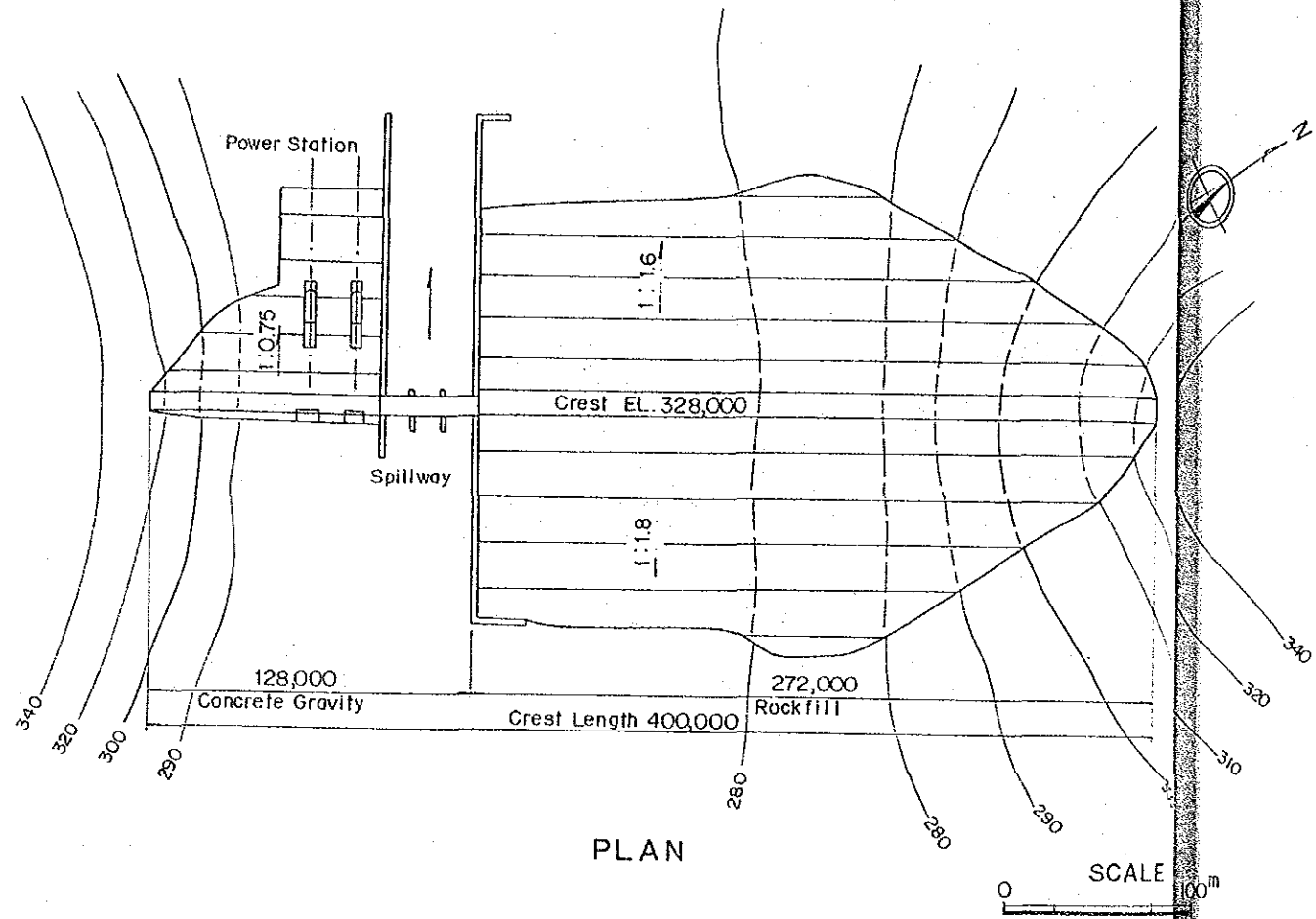
MAHATOTILA DAM

GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**UPPER AND LOWER UMA OYA HYDROPOWER SCHEME**

JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO, JAPAN

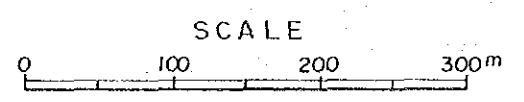
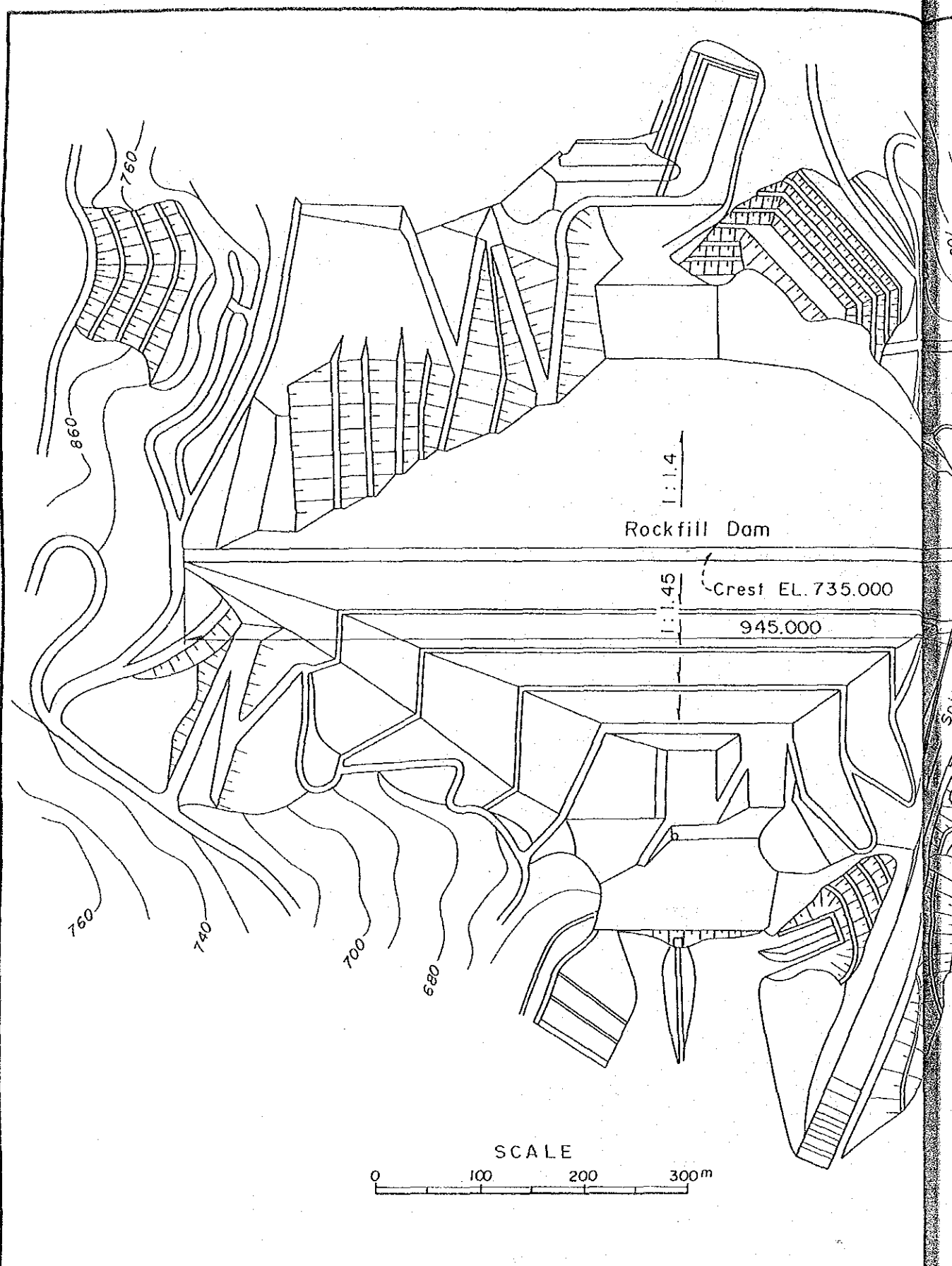
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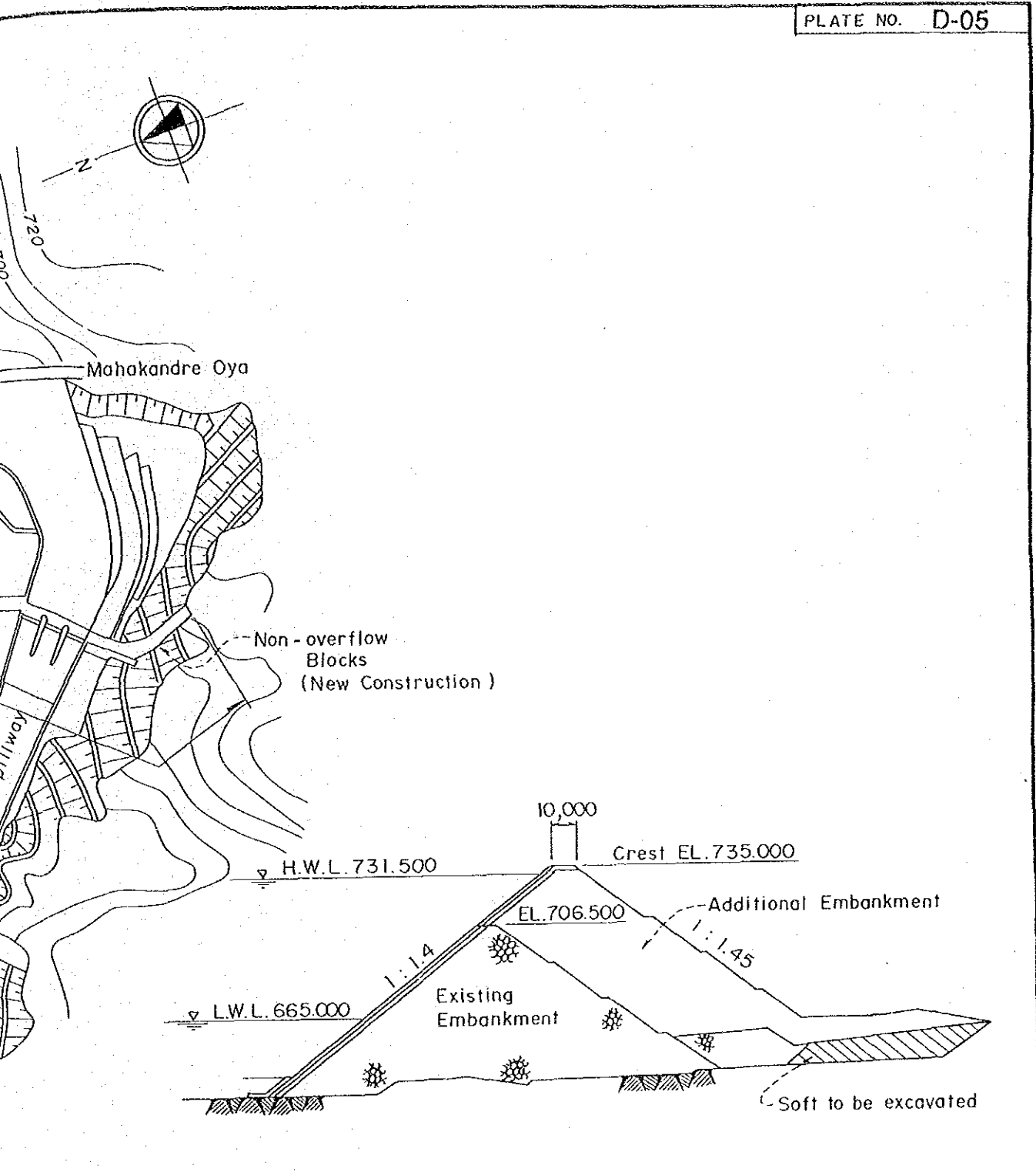
GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
 THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**SUDU GANGA HYDROPOWER SCHEME**

JAPAN INTERNATIONAL COOPERATION AGENCY | DWG. NO.  
 TOKYO, JAPAN.



GENERAL PLAN OF DAM



TYPICAL SECTION OF DAM



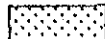
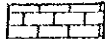



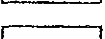
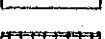
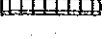
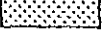
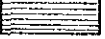

GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT	
THE STUDY ON EXTENTION OF THE MORAGAHAKANDA AGRICULTURAL DEVELOPMENT PROJECT	
TITLE OF DRAWING	
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JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO, JAPAN	DWG. NO.

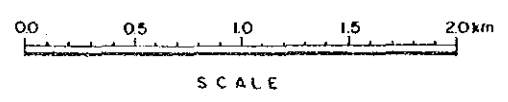
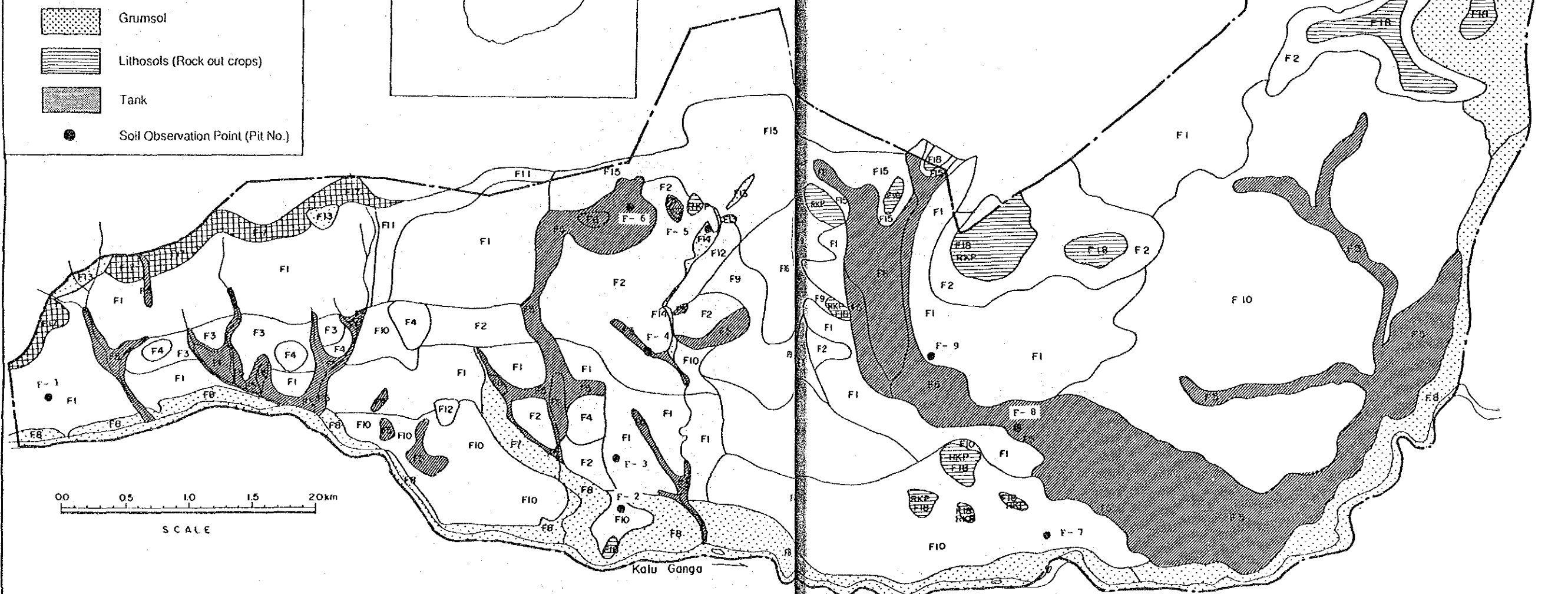
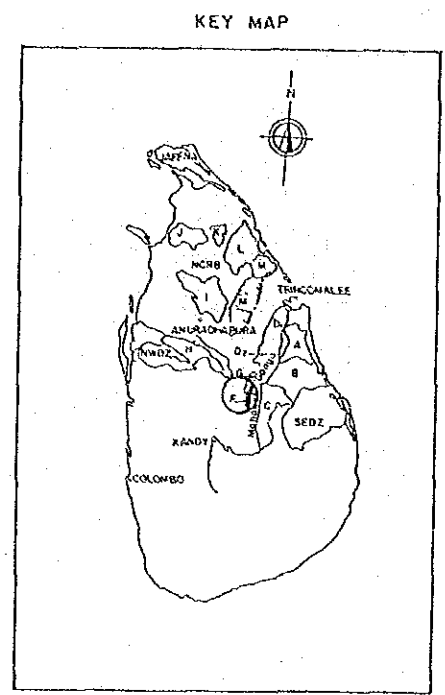




SOIL

LEGEND

-  Alluvial Soils
-  Old Alluvial
-  Solonetz
-  Low Humic Gley Soils
-  Reddish Brown Earth (Well Drained)
-  Reddish Brown Earth (Imperfectly & Poorly Drained)
-  Red Yellow Podzolic Soils
-  Grumsol
-  Lithosols (Rock out crops)
-  Tank
-  Soil Observation Point (Pit No.)














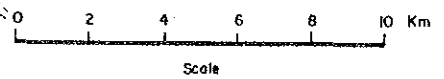
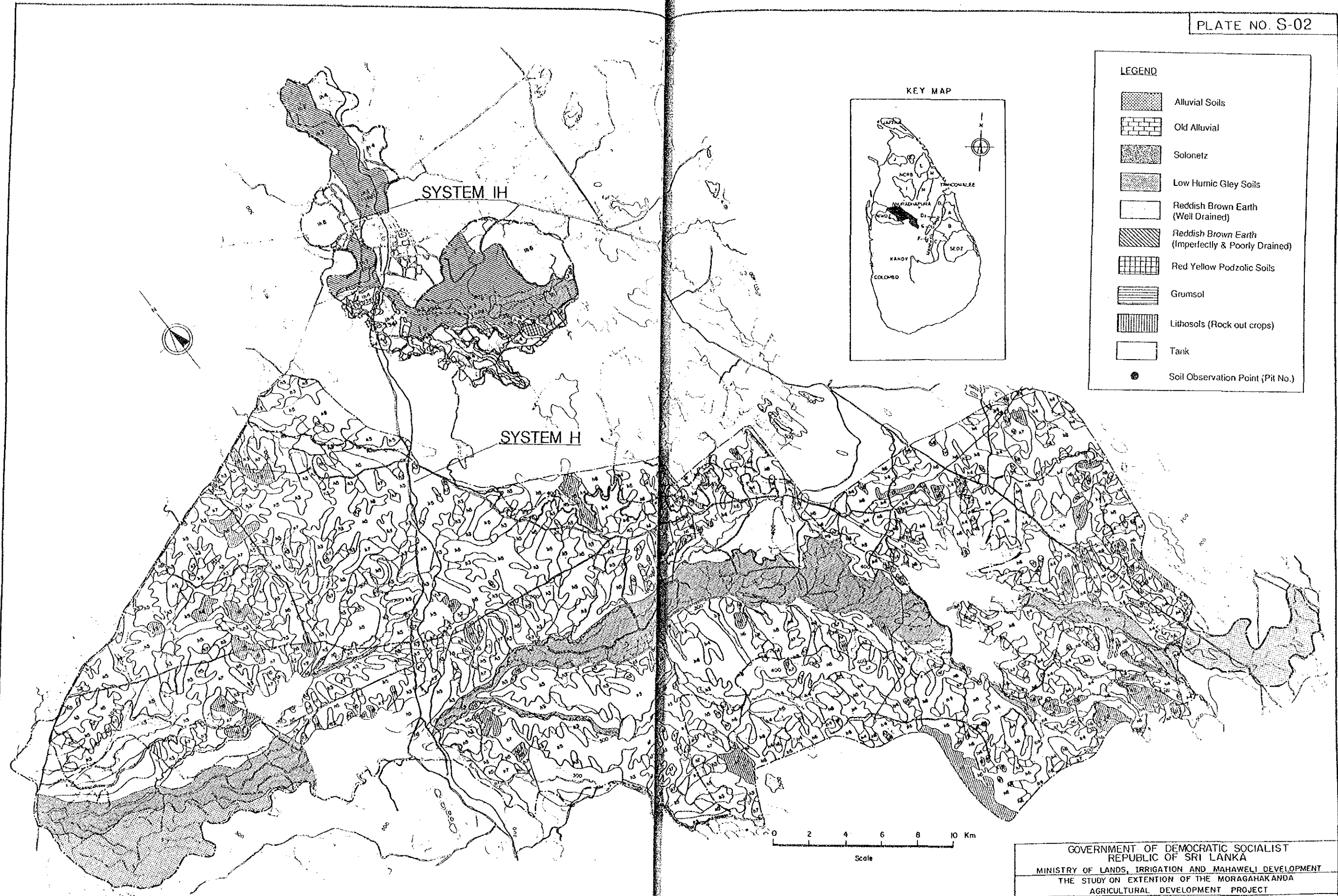
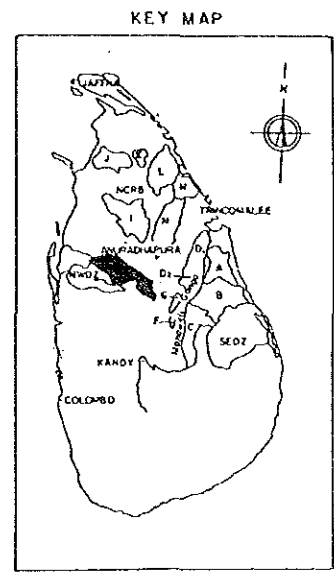
GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
 THE STUDY ON EXTENTION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**SOIL MAP OF SYSTEM F**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO:  
 -TOKYO, JAPAN.

**LEGEND**

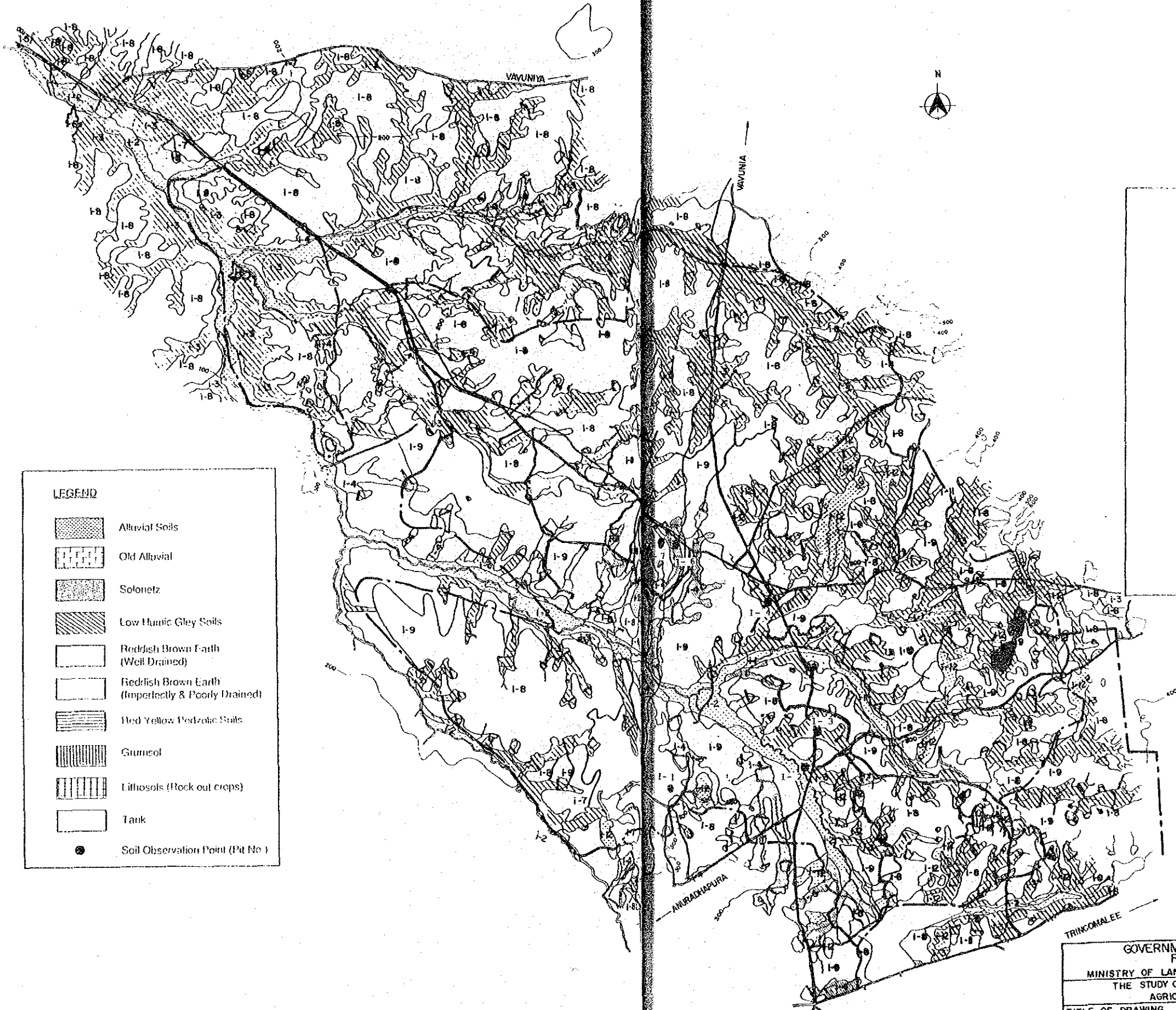
-  Alluvial Soils
-  Old Alluvial
-  Solonetz
-  Low Humic Gley Soils
-  Reddish Brown Earth (Well Drained)
-  Reddish Brown Earth (Imperfectly & Poorly Drained)
-  Red Yellow Podzolic Soils
-  Grumusol
-  Lithosols (Rock out crops)
-  Tank
-  Soil Observation Point (Pit No.)



GOVERNMENT OF DEMOCRATIC SOCIALIST  
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MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
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AGRICULTURAL DEVELOPMENT PROJECT

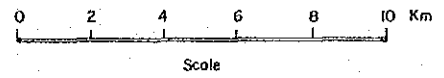
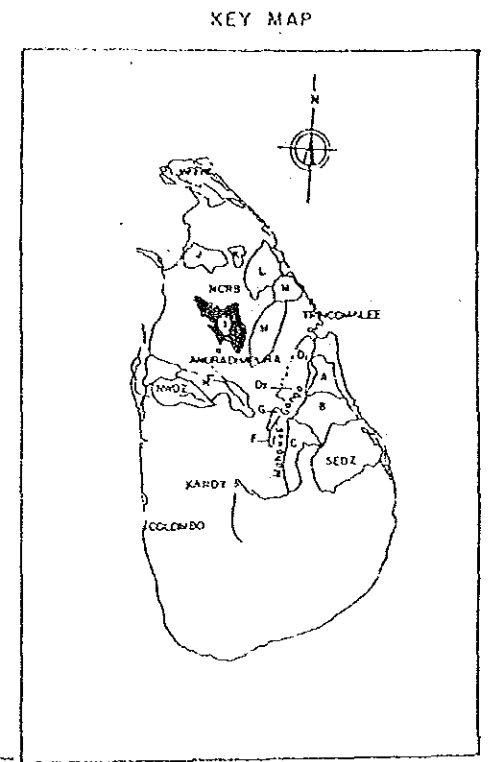
TITLE OF DRAWING  
**SOIL MAP OF SYSTEMS H AND IH**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO:  
-TOKYO, JAPAN.



**LEGEND**

- Alluvial Soils
- Old Alluvial
- Solonetz
- Low Humic Gley Soils
- Reddish Brown Earth (Well Drained)
- Reddish Brown Earth (Imperfectly & Poorly Drained)
- Red Yellow Podzolic Soils
- Grumusol
- Lithosols (Rock out crops)
- Tank
- Soil Observation Point (Pt No.)



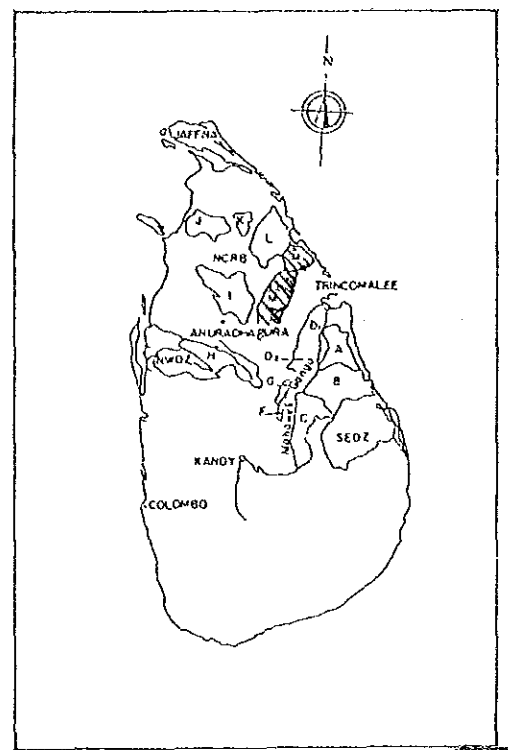
GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**SOIL MAP OF SYSTEM I**

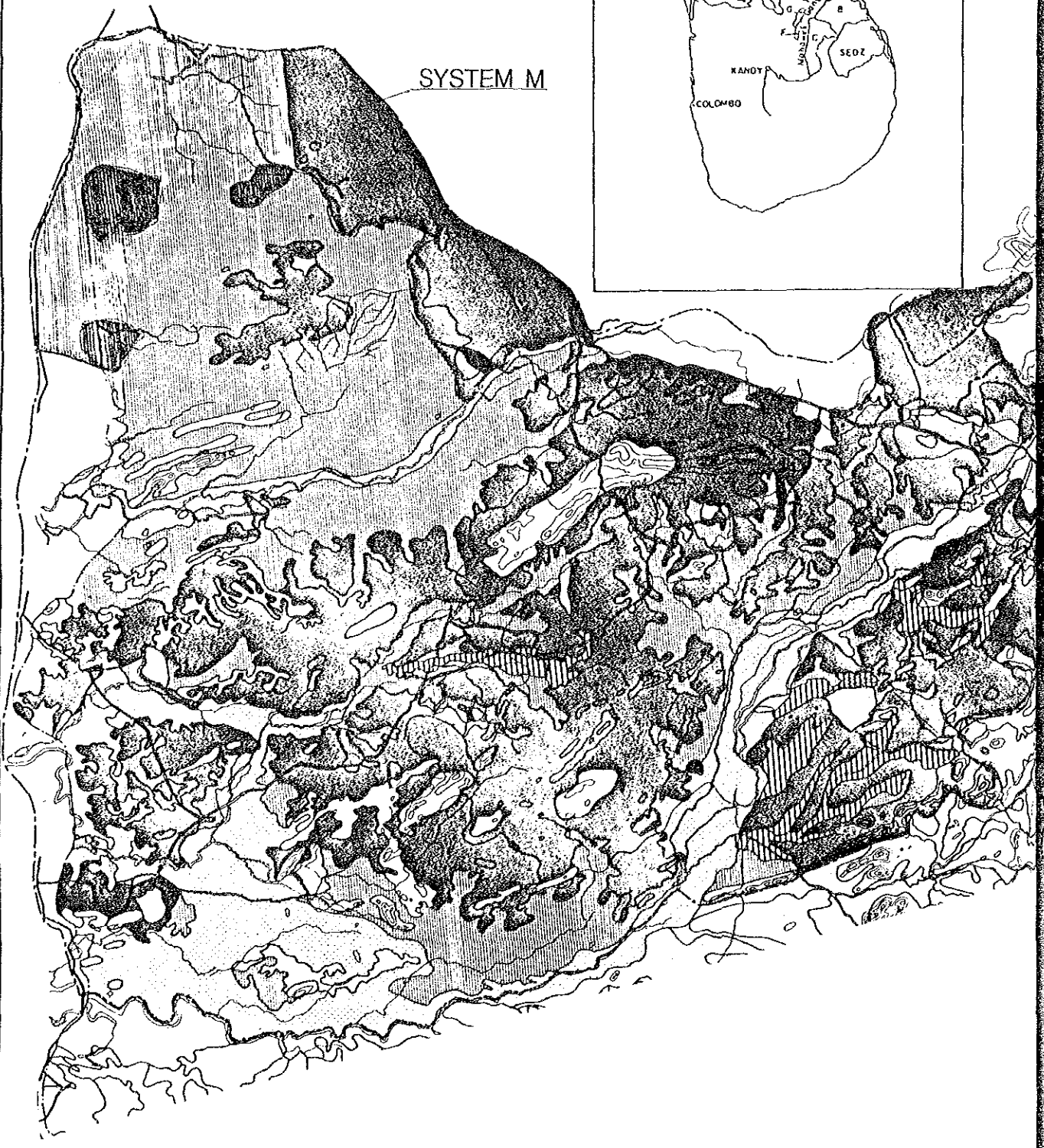
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-TOKYO, JAPAN.

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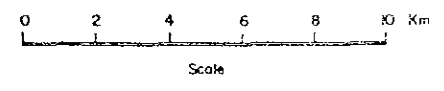
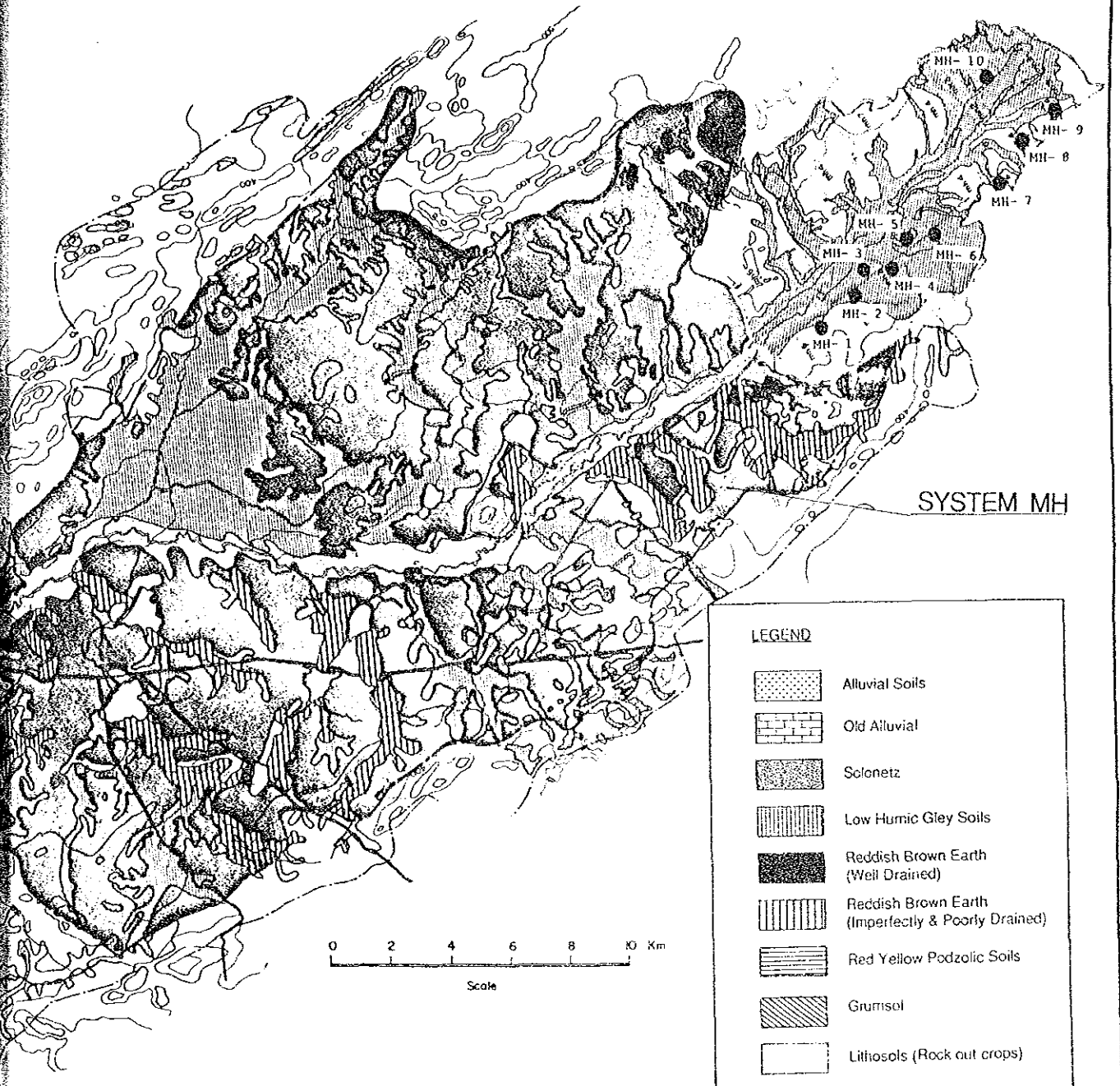
KEY MAP



SYSTEM M



SYSTEM MH



LEGEND

	Alluvial Soils
	Old Alluvial
	Solonetz
	Low Humic Gley Soils
	Reddish Brown Earth (Well Drained)
	Reddish Brown Earth (Imperfectly & Poorly Drained)
	Red Yellow Podzolic Soils
	Grumusol
	Lithosols (Rock out crops)
	Tank
	Soil Observation Point (Pit No.)


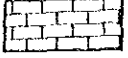

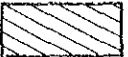


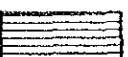


GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELE DEVELOPMENT  
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA  
AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**SOIL MAP OF SYSTEMS M AND MH**

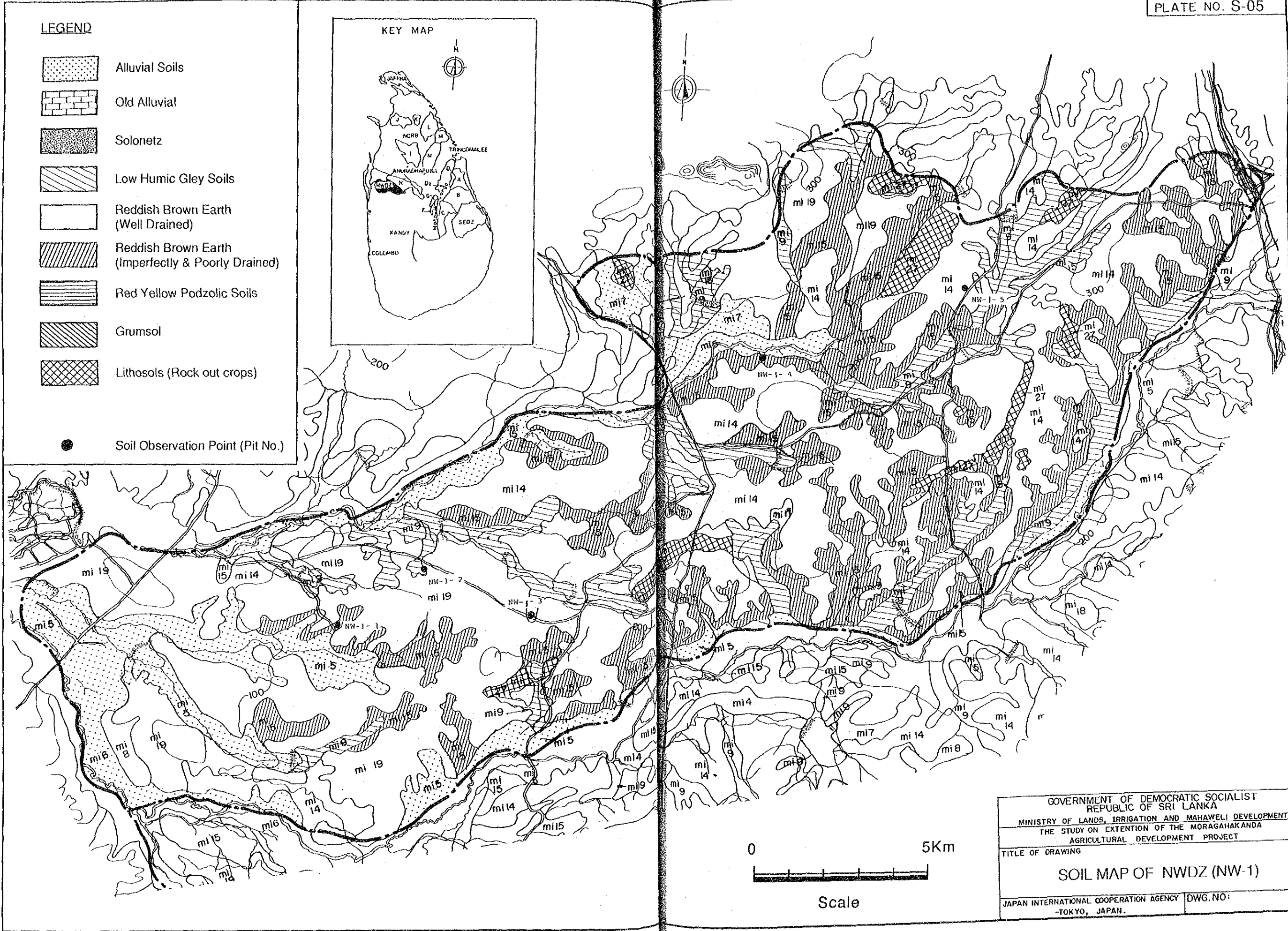
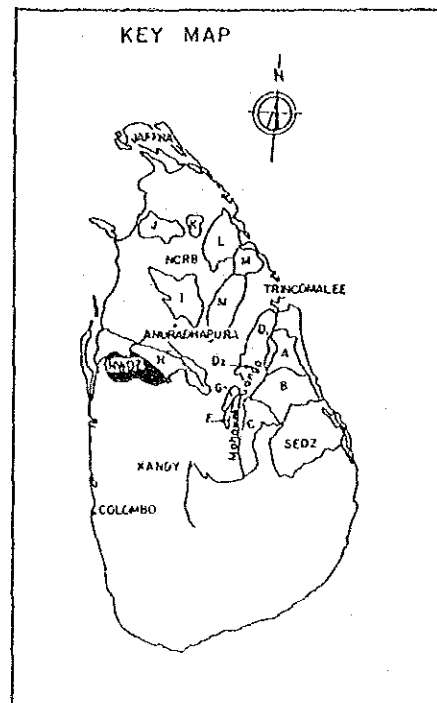
JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO:  
-TOKYO, JAPAN.



LEGEND

-  Alluvial Soils
-  Old Alluvial
-  Solonetz
-  Low Humic Gley Soils
-  Reddish Brown Earth (Well Drained)
-  Reddish Brown Earth (Imperfectly & Poorly Drained)
-  Red Yellow Podzolic Soils
-  Grumsol
-  Lithosols (Rock out crops)

● Soil Observation Point (Pit No.)

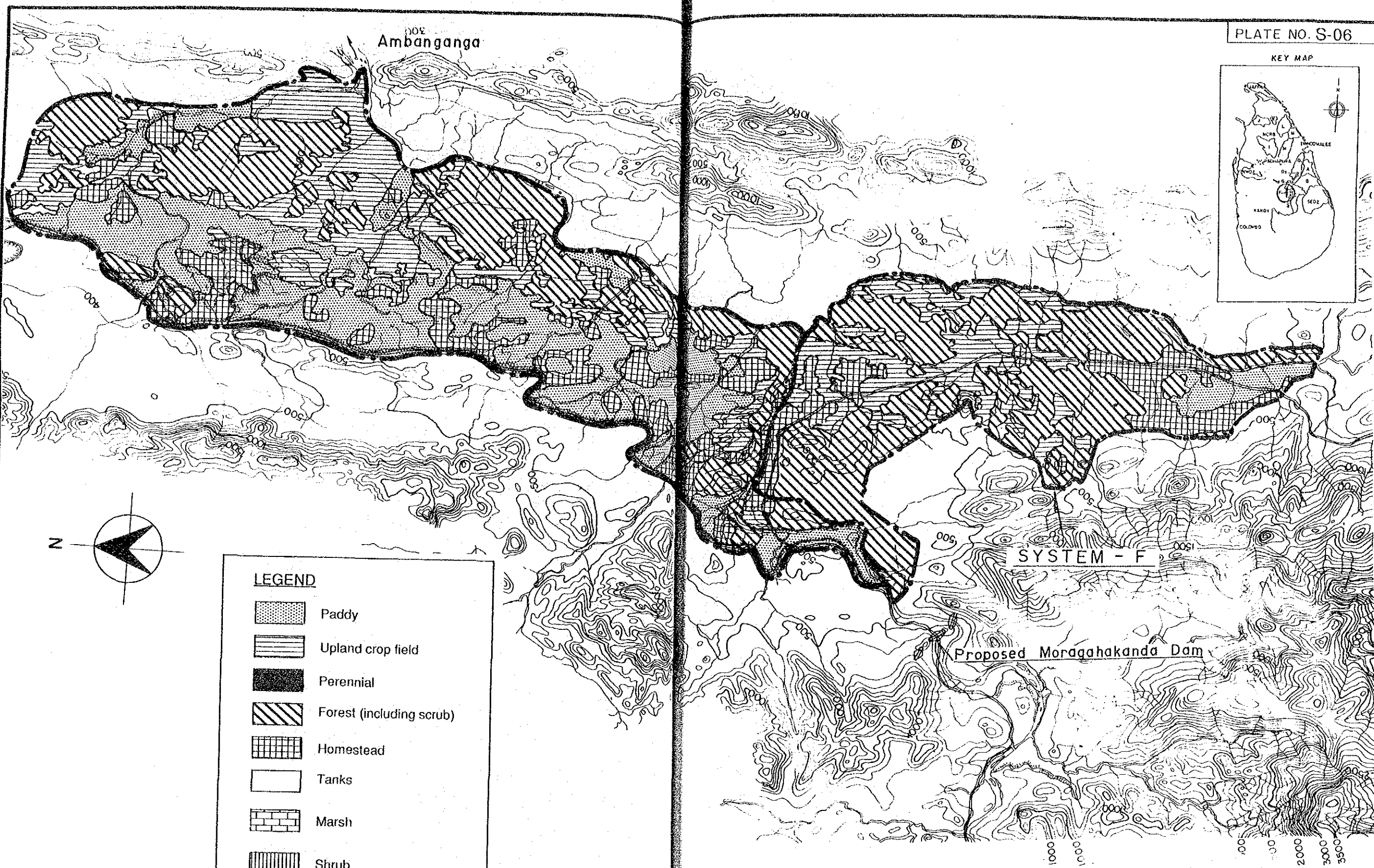
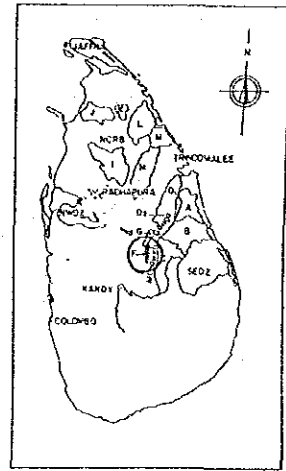


GOVERNMENT OF DEMOCRATIC SOCIALIST  
 REPUBLIC OF SRI LANKA  
 MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
 THE STUDY ON EXTENTION OF THE MORAGAHAKANDA  
 AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**SOIL MAP OF NWDZ (NW-1)**

JAPAN INTERNATIONAL COOPERATION AGENCY | DWG. NO:  
 -TOKYO, JAPAN.

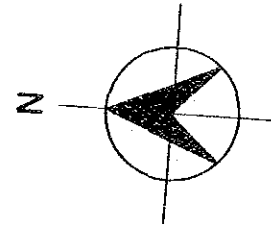
KEY MAP



Ambanganga

SYSTEM - F

Proposed Moragahakanda Dam

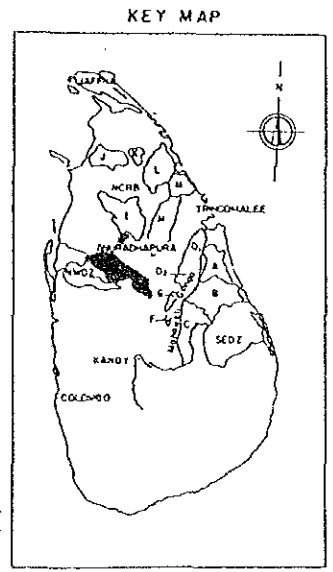
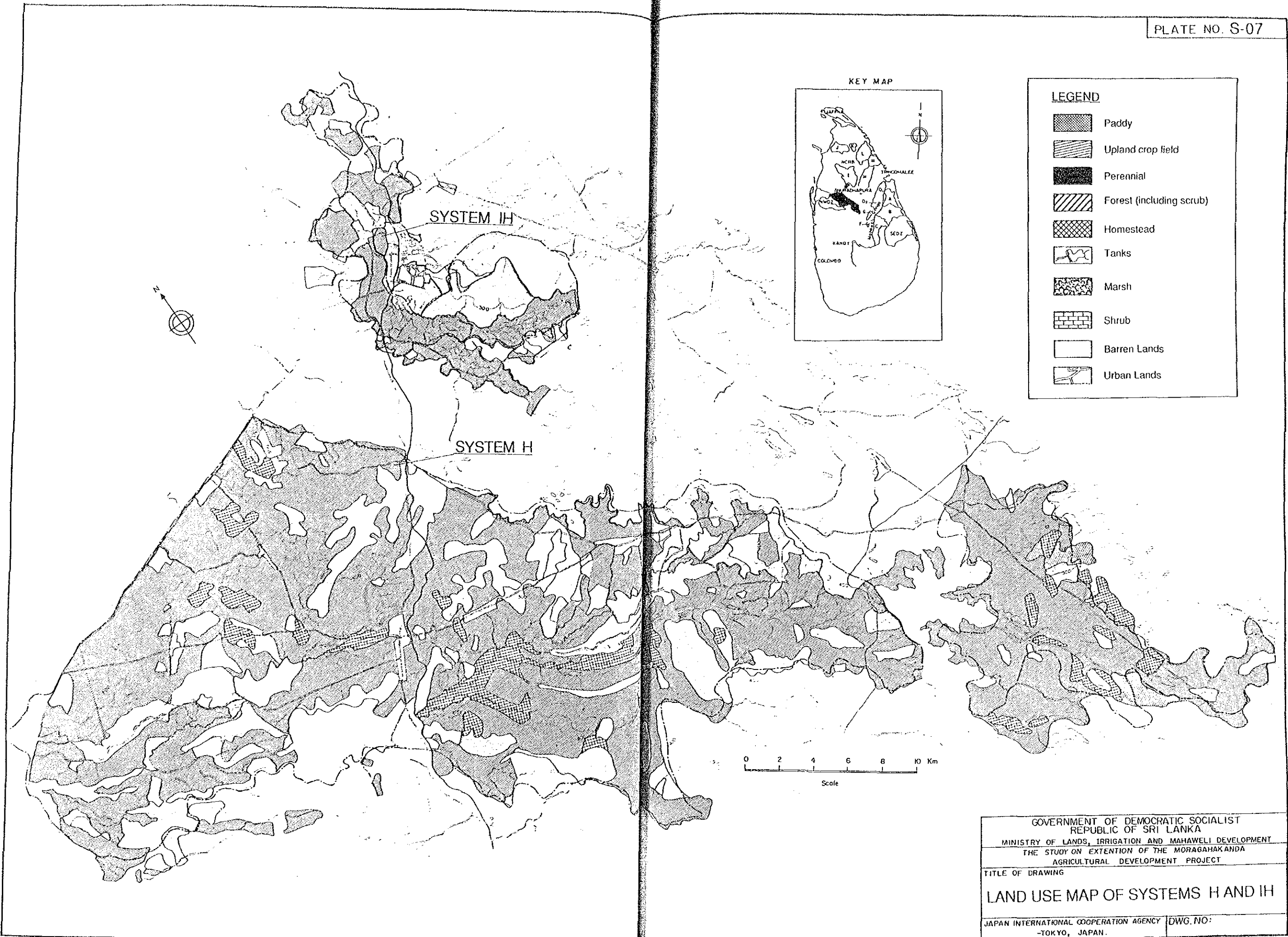


LEGEND	
	Paddy
	Upland crop field
	Perennial
	Forest (including scrub)
	Homestead
	Tanks
	Marsh
	Shrub
	Barren Lands
	Urban Lands

SCALE 5 km

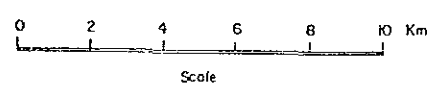
GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA	
MINISTRY OF LANDS, IRRIGATION AND MAJAWELI DEVELOPMENT	
THE STUDY ON EXTENSION OF THE MORAGAHAKANDA AGRICULTURAL DEVELOPMENT PROJECT	
TITLE OF DRAWING	
LAND USE MAP OF SYSTEM F	
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO, JAPAN	DWG. NO.





**LEGEND**

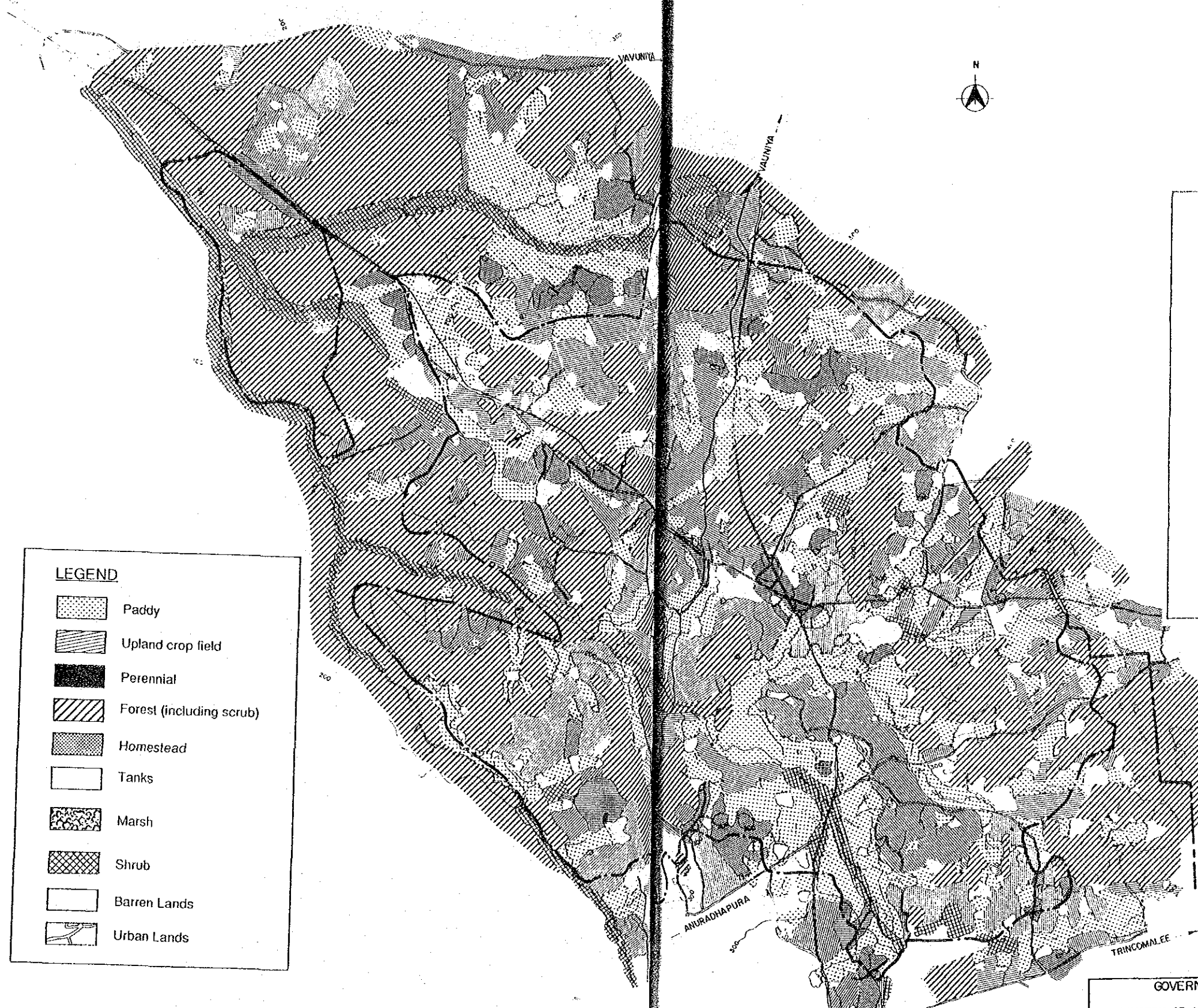
	Paddy
	Upland crop field
	Perennial
	Forest (including scrub)
	Homestead
	Tanks
	Marsh
	Shrub
	Barren Lands
	Urban Lands













GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
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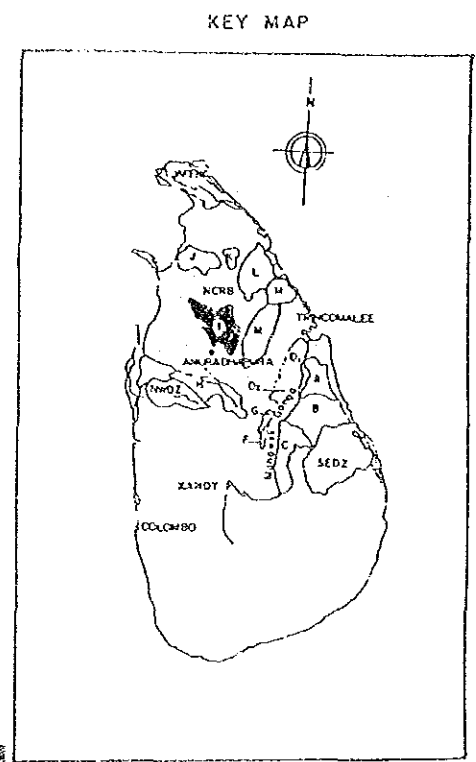
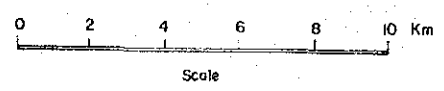
TITLE OF DRAWING  
**LAND USE MAP OF SYSTEMS H AND IH**

JAPAN INTERNATIONAL COOPERATION AGENCY | DWG. NO:  
-TOKYO, JAPAN.



**LEGEND**

-  Paddy
-  Upland crop field
-  Perennial
-  Forest (including scrub)
-  Homestead
-  Tanks
-  Marsh
-  Shrub
-  Barren Lands
-  Urban Lands



GOVERNMENT OF DEMOCRATIC SOCIALIST  
REPUBLIC OF SRI LANKA  
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT  
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AGRICULTURAL DEVELOPMENT PROJECT

TITLE OF DRAWING  
**LAND USE MAP OF SYSTEM I**

JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO:  
-TOKYO, JAPAN.