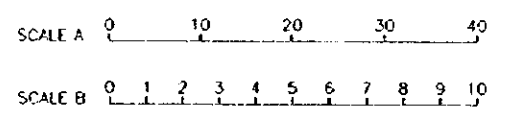
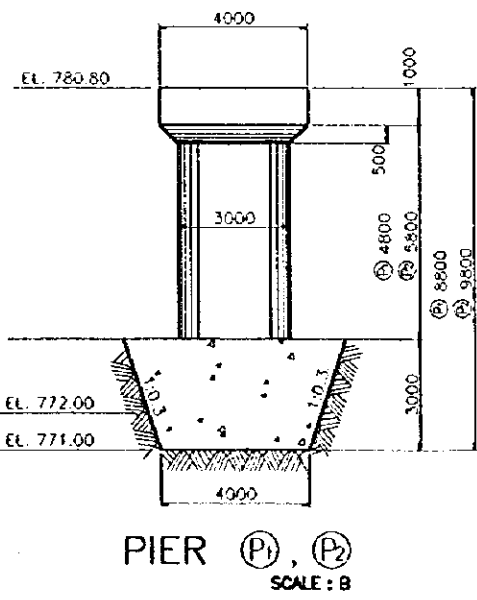
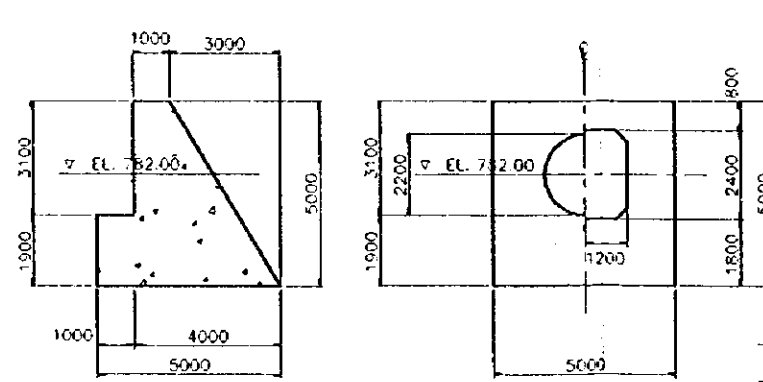
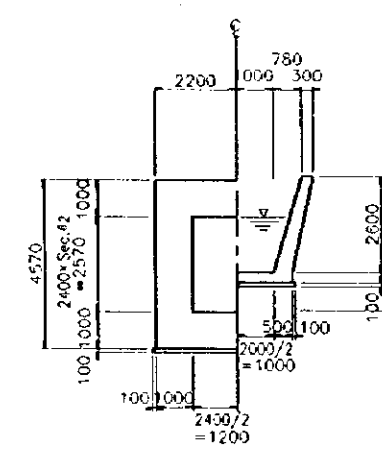
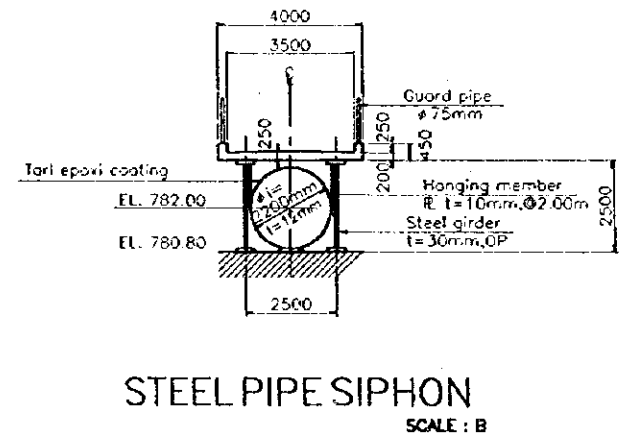
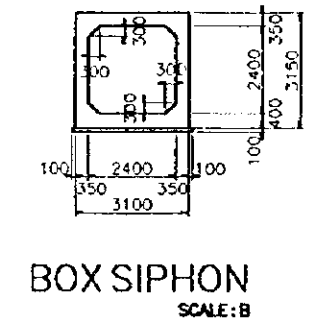
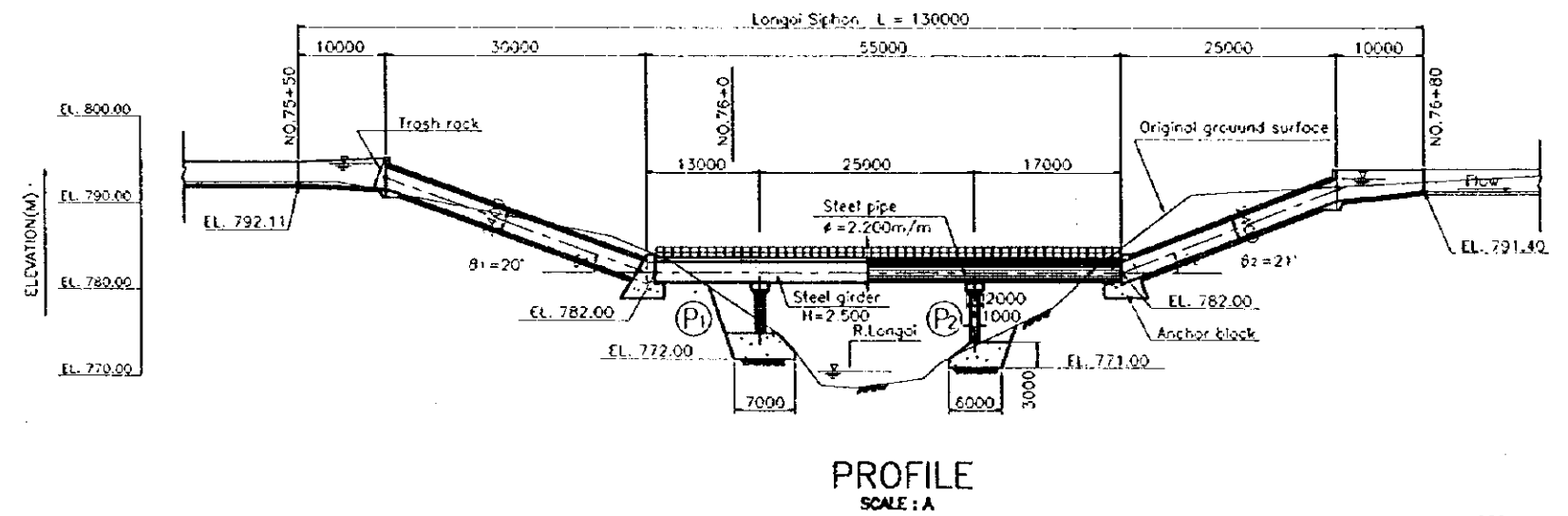
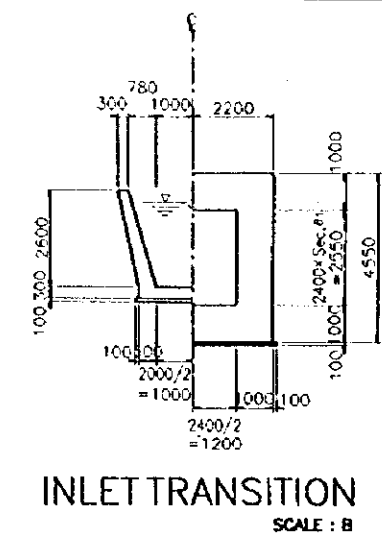
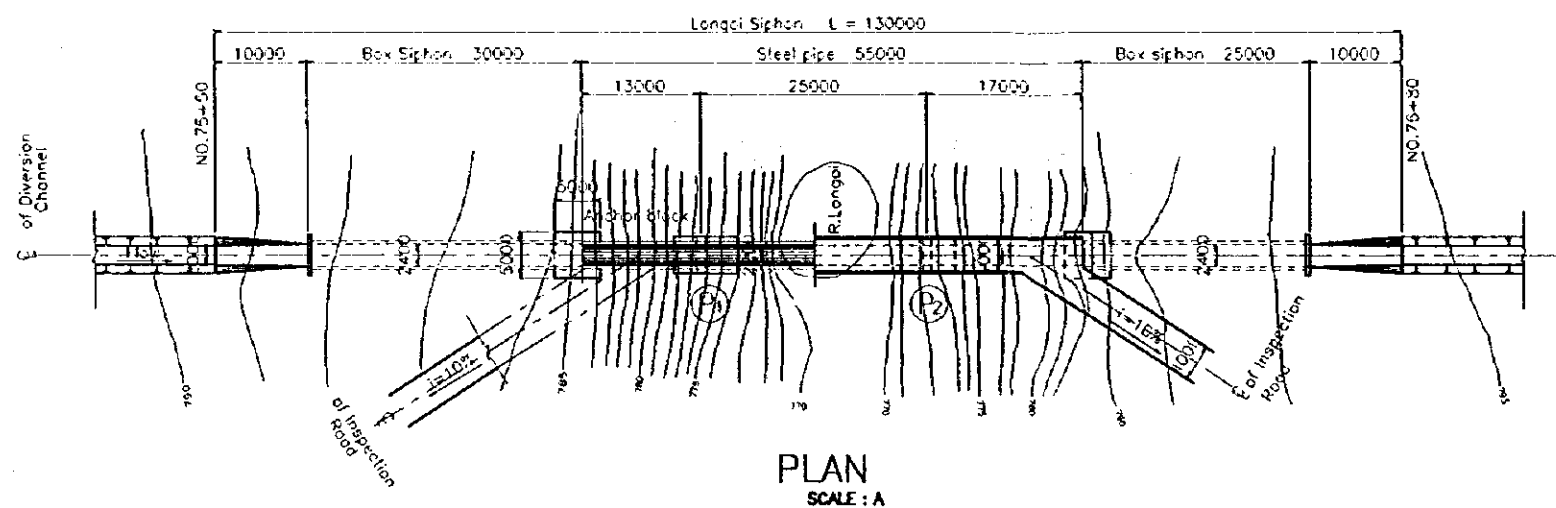


LONGOI SIPHON



The United Republic of Tanzania

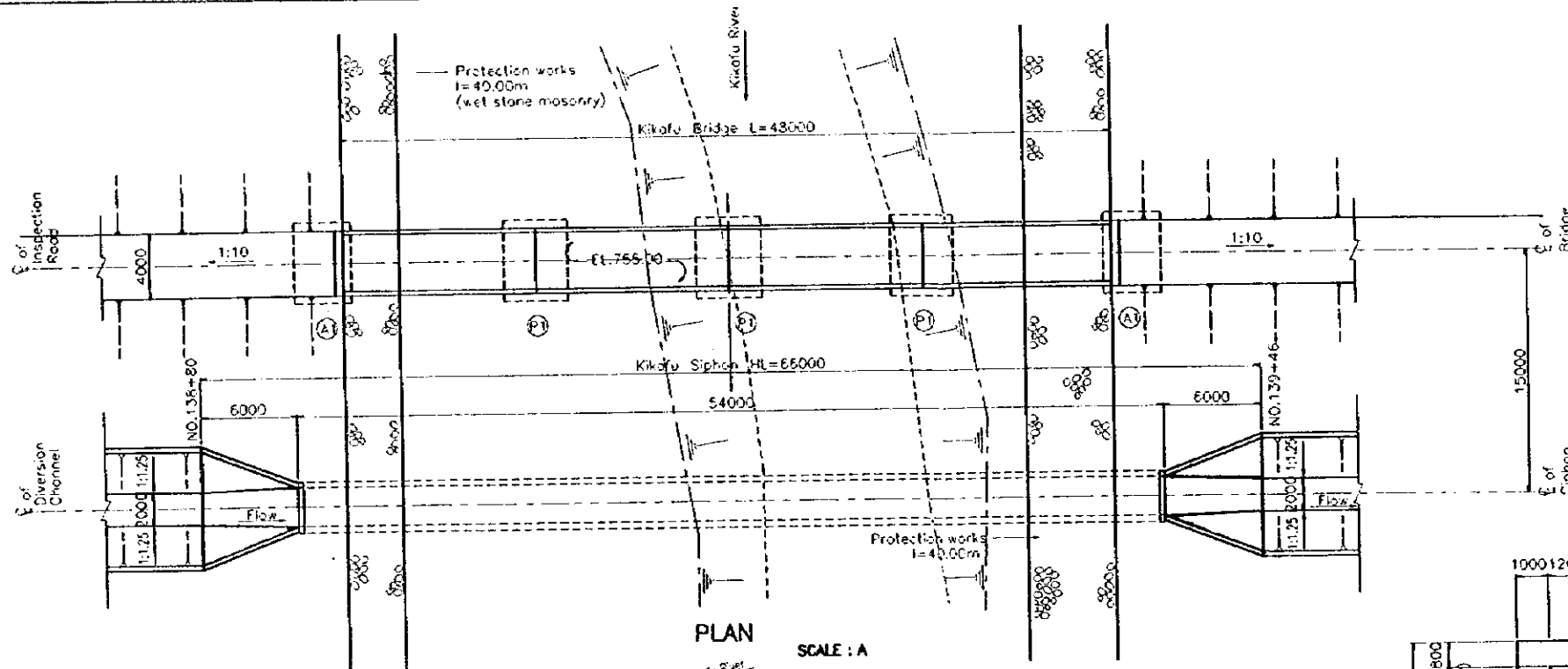
The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing
DIVERSION CHANNEL

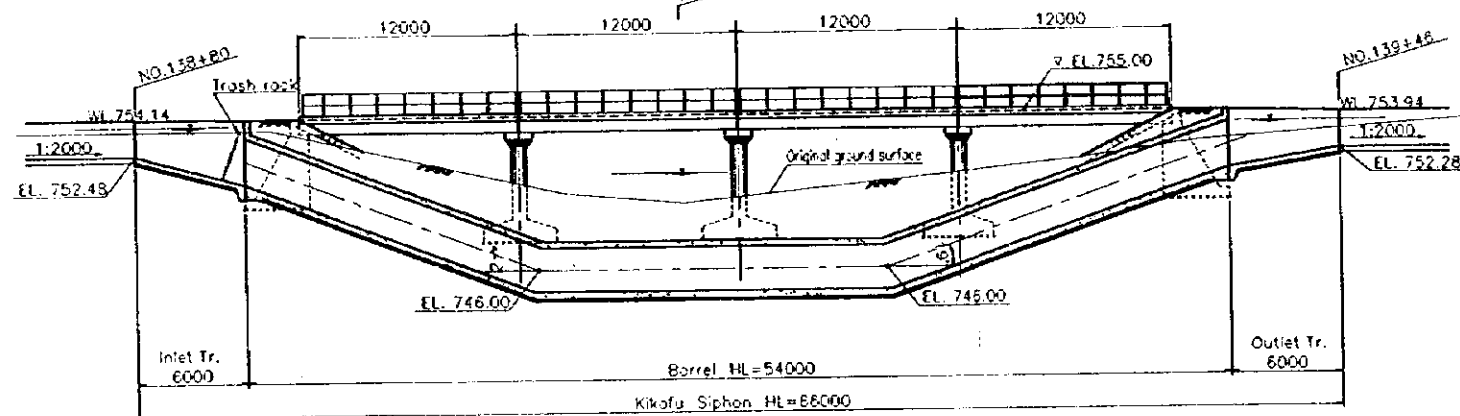
Related Structure: Longoi Siphon

Japan International Cooperation Agency

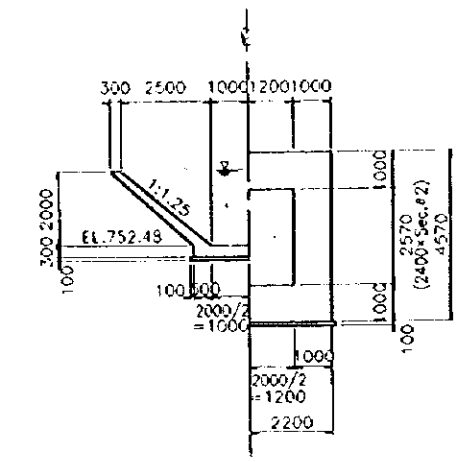
A



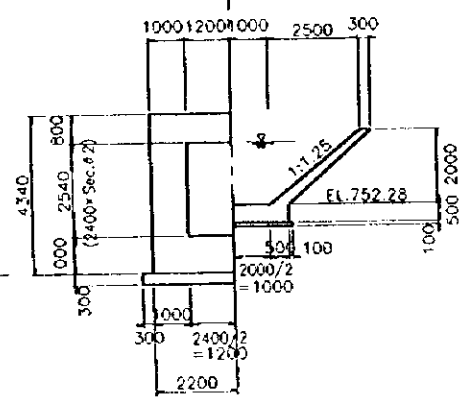
PLAN SCALE: A



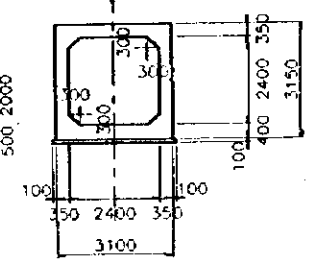
PROFILE SCALE: A



INLET TRANSITION SCALE: B



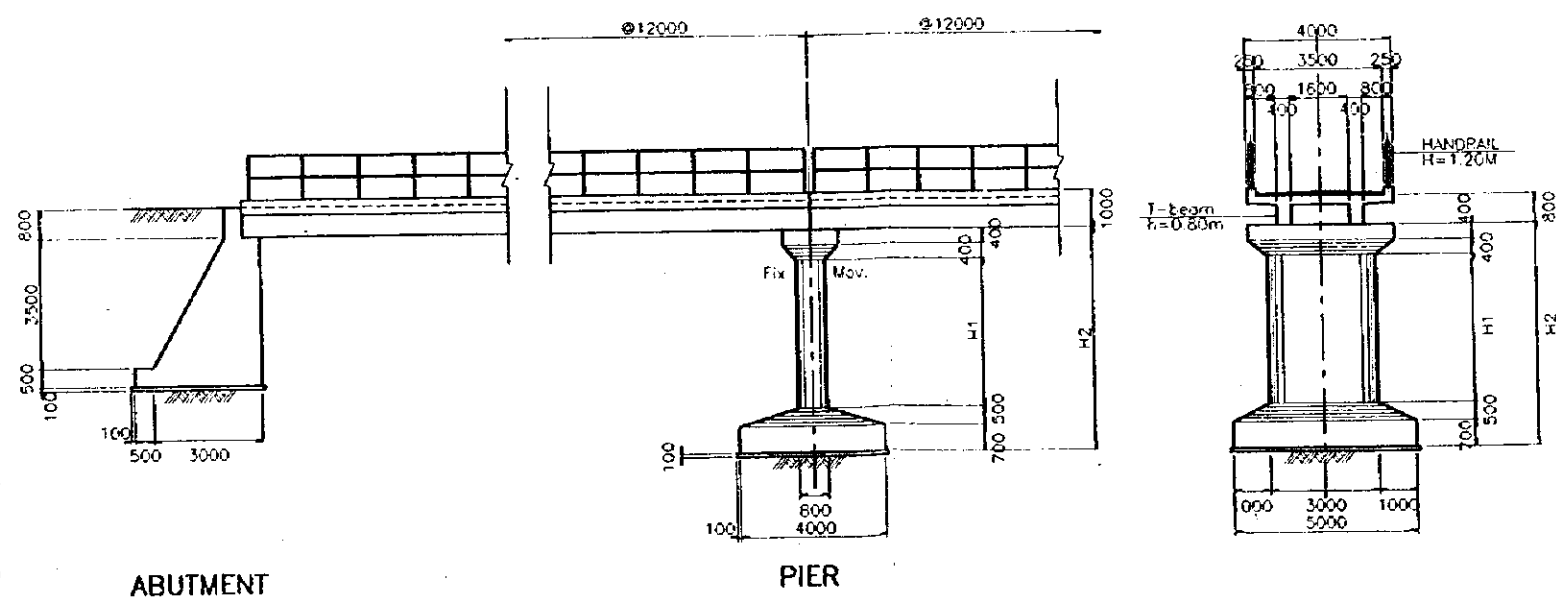
OUTLET TRANSITION SCALE: B



SIPHON BARREL SCALE: B

Dimension Table

Location	H1	H2	N
Kikafu	4,000	6,000	3
Keruxeru	4,500	6,500	3



ABUTMENT

PIER

SCALE A 0 10 20

SCALE B 0 1 2 3 4 5 6 7 8 9 10

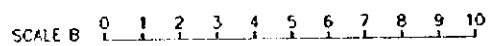
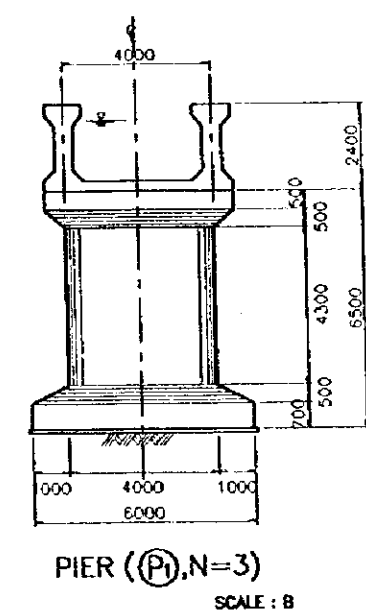
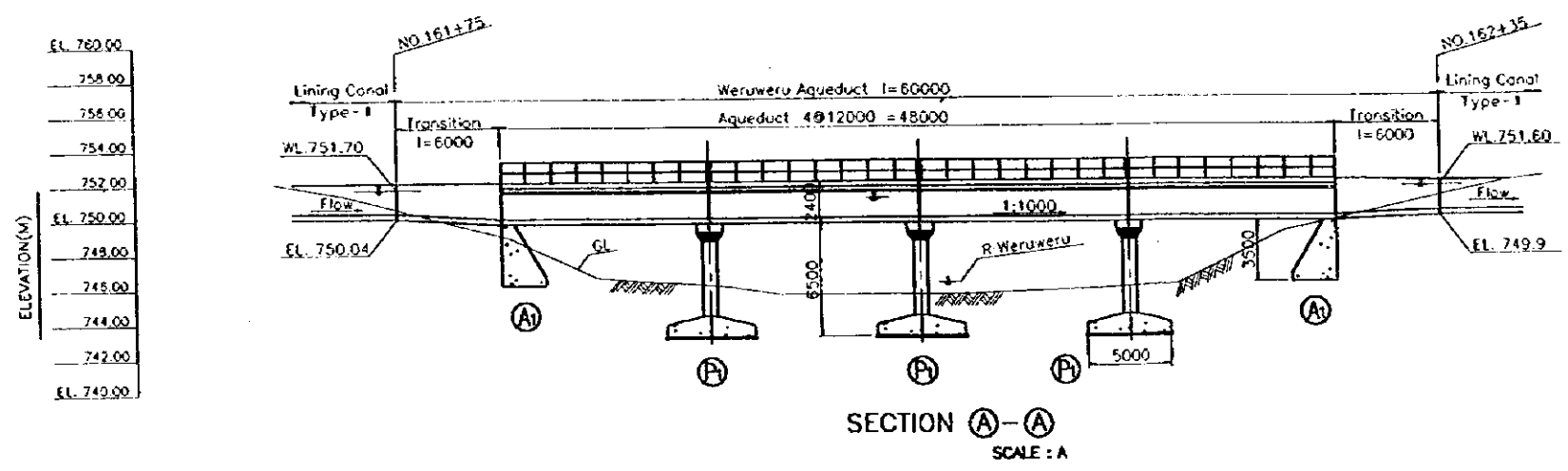
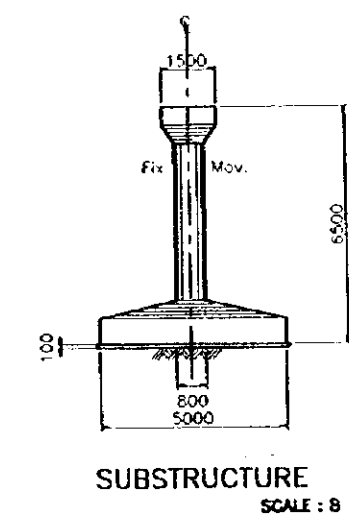
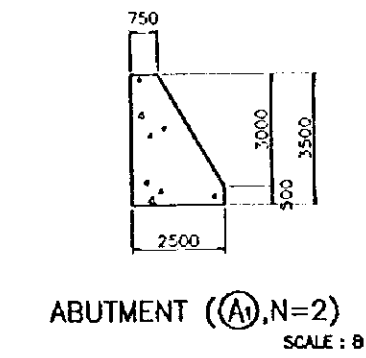
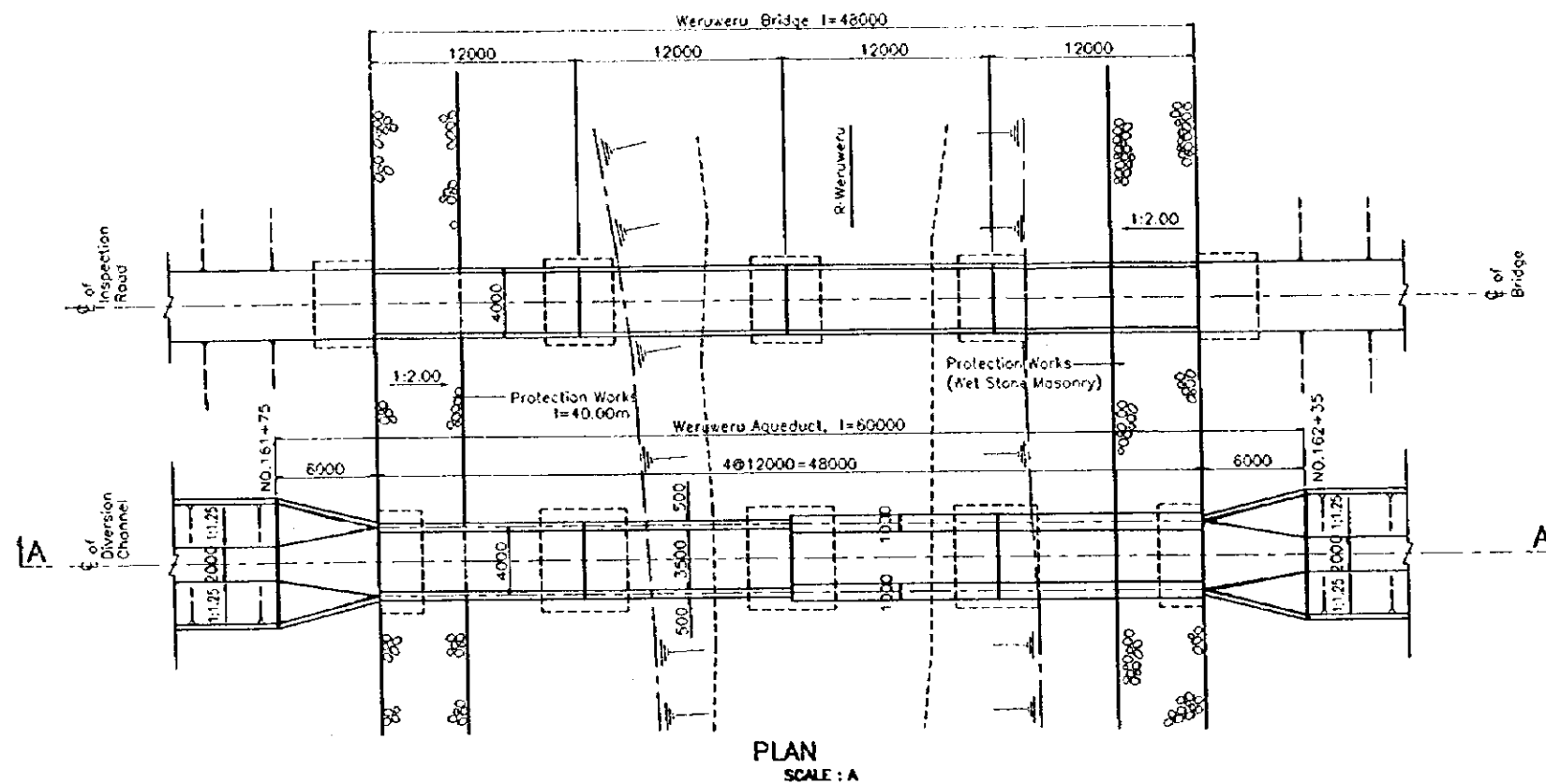
The United Republic of Tanzania

The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing
DIVERSION CHANNEL

Related Structure: Kikafu Siphon

Japan International Cooperation Agency



The United Republic of Tanzania

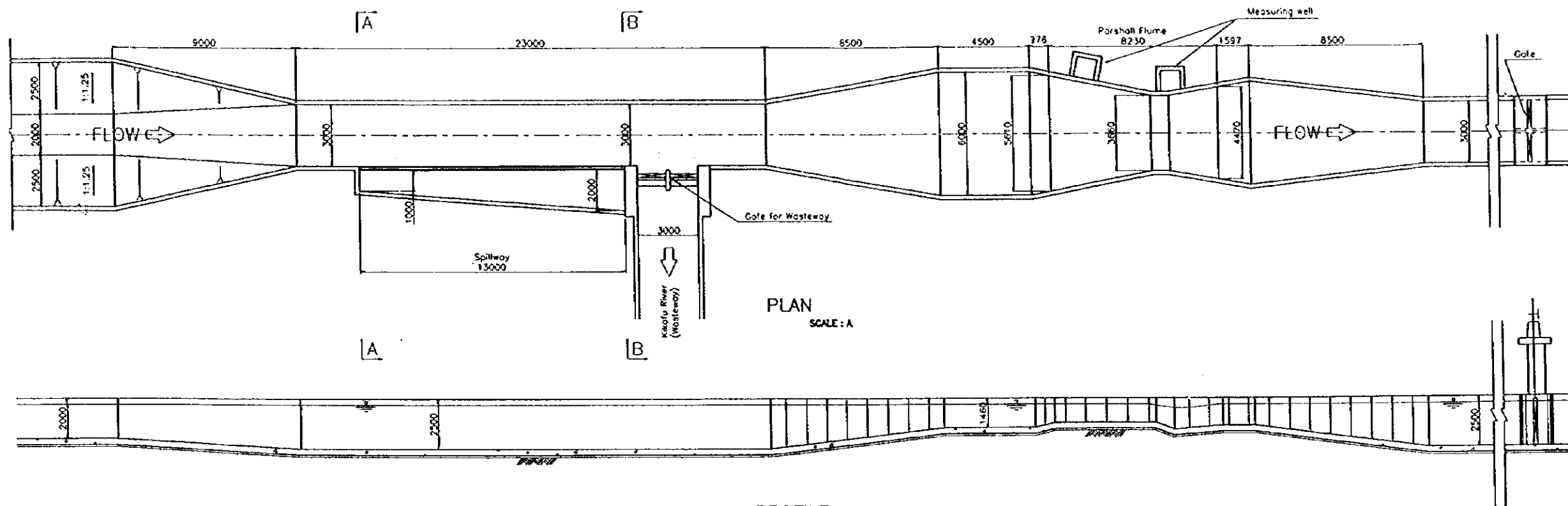
The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing
DIVERSION CHANNEL

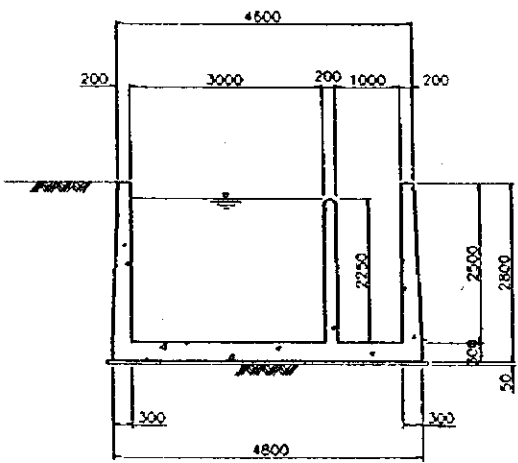
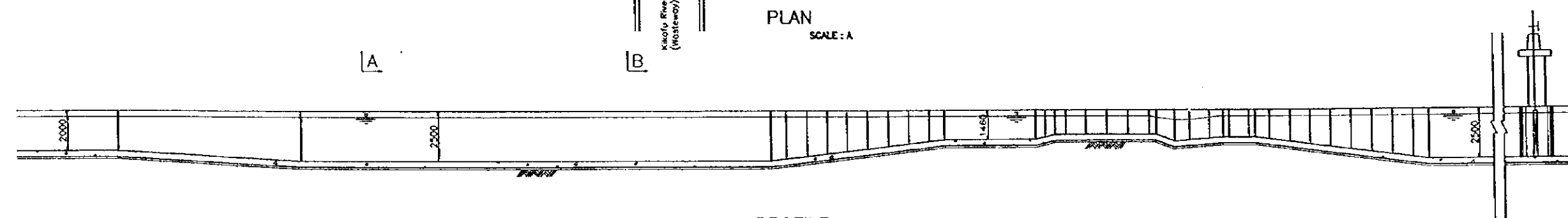
Related Structure: Weruweru Aqueduct

Japan International Cooperation Agency

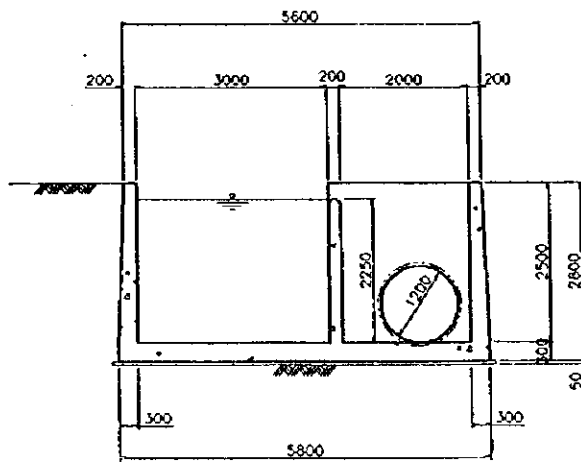
WASTEWAY



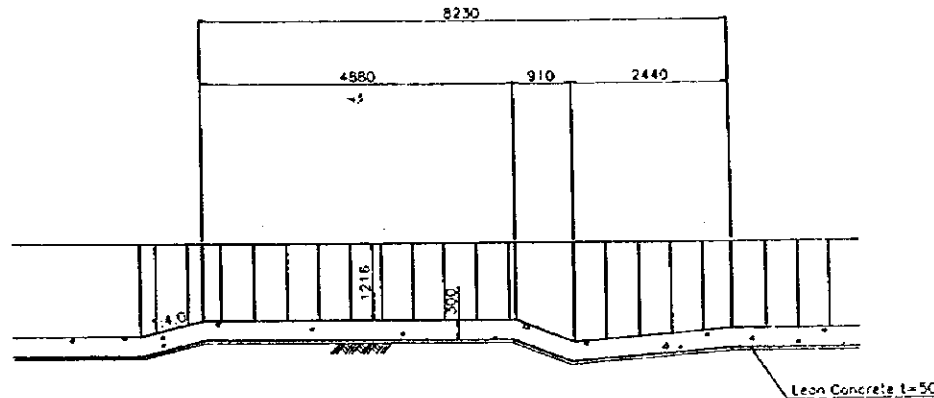
PROFILE
SCALE: A



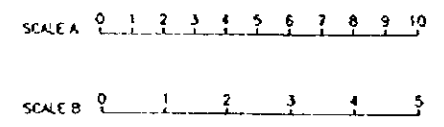
SECTION A-A
SCALE: B



SECTION B-B
SCALE: B

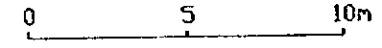
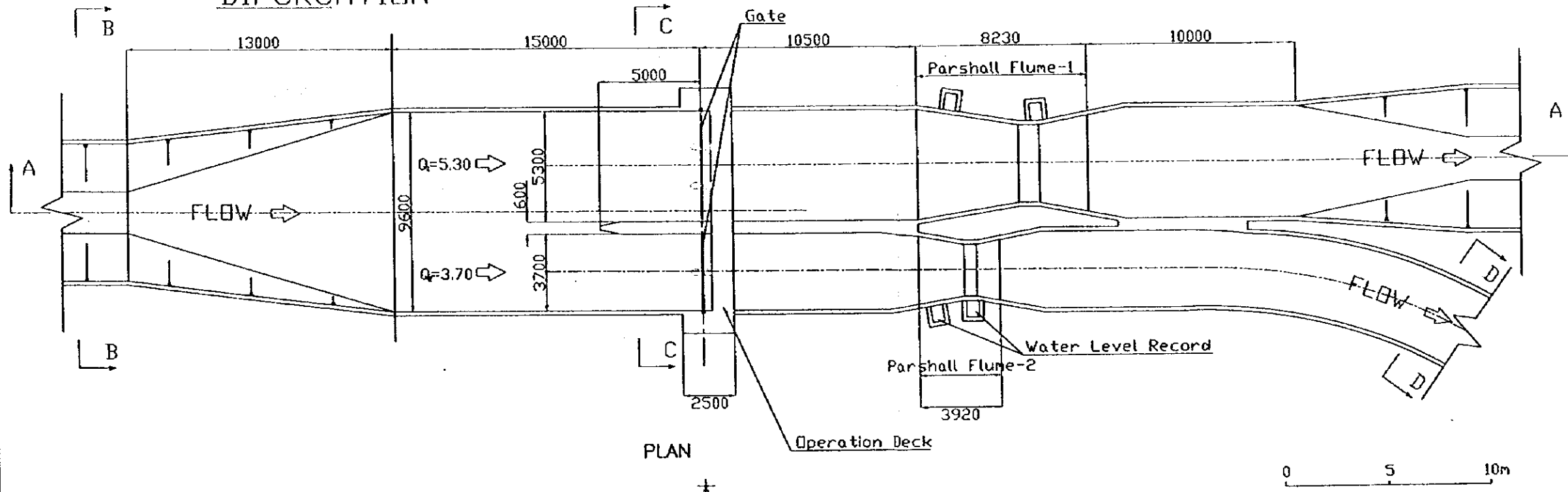


PERSHALL FRUME PROFILE
SCALE: B

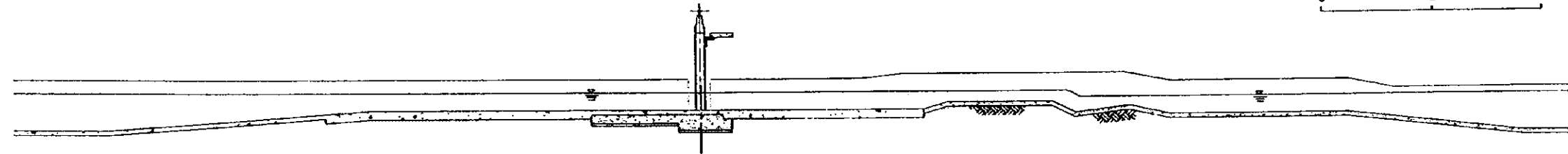


The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Structure: Kikafu Wasteway
Japan International Cooperation Agency

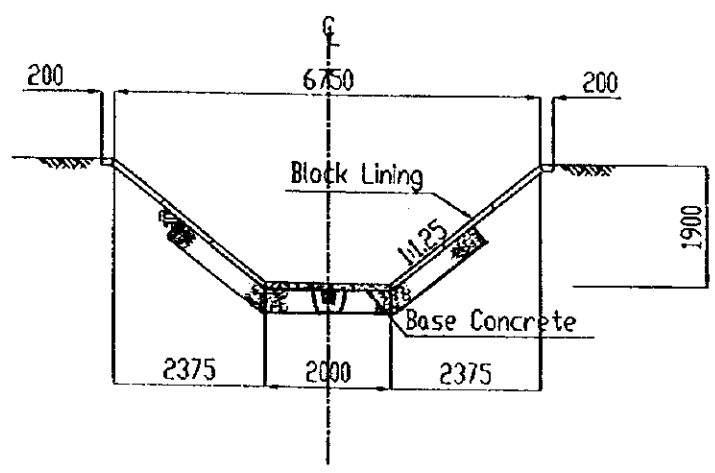
BIFURCATION



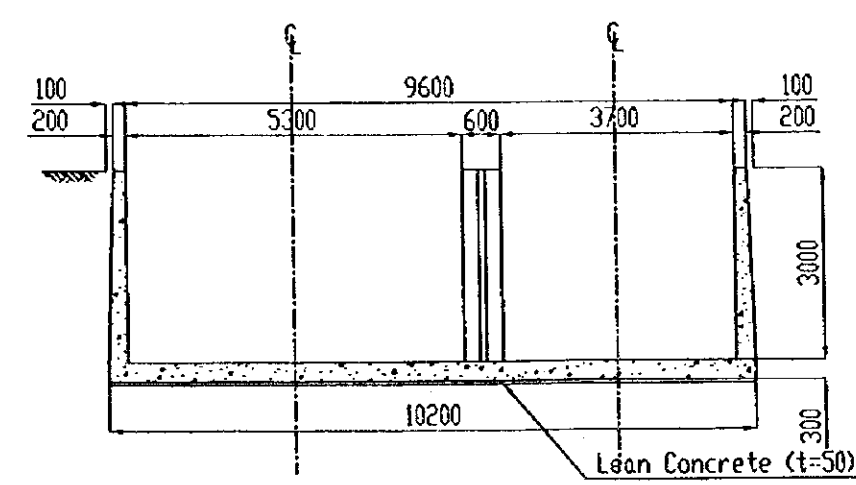
PLAN



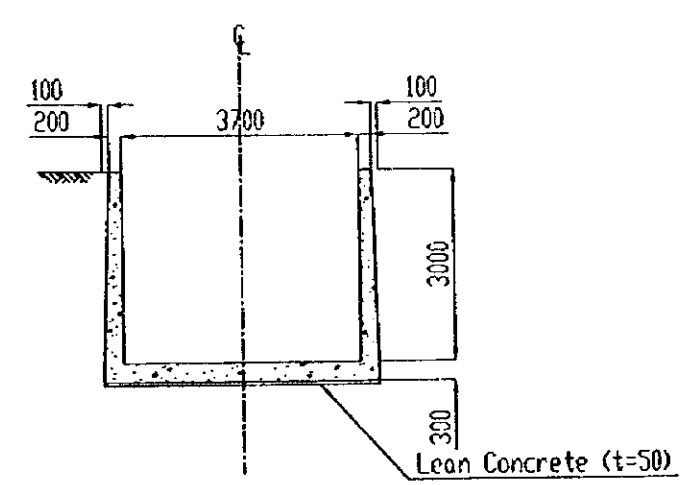
PROFILE SECTION A-A



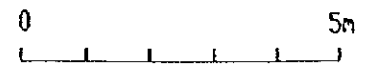
SECTION B-B



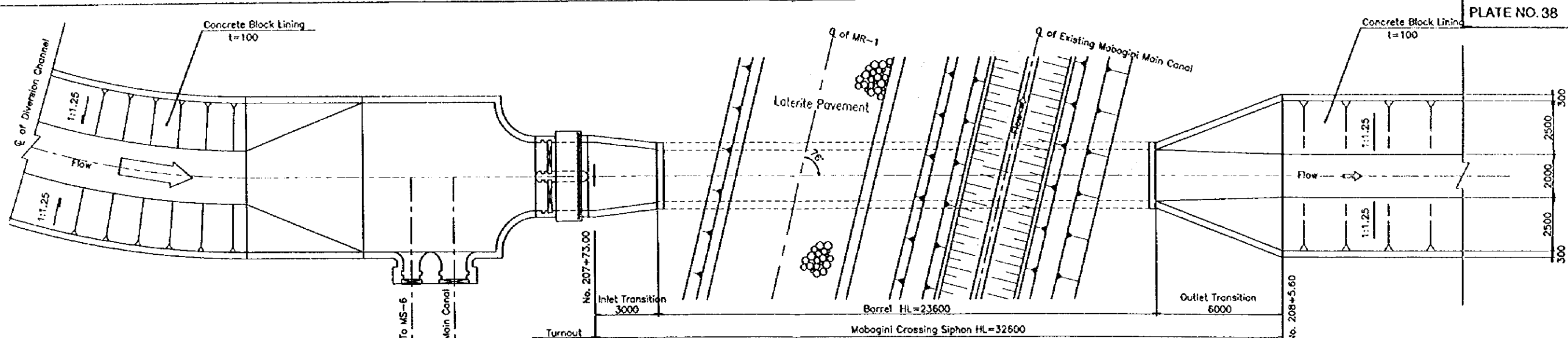
SECTION C-C



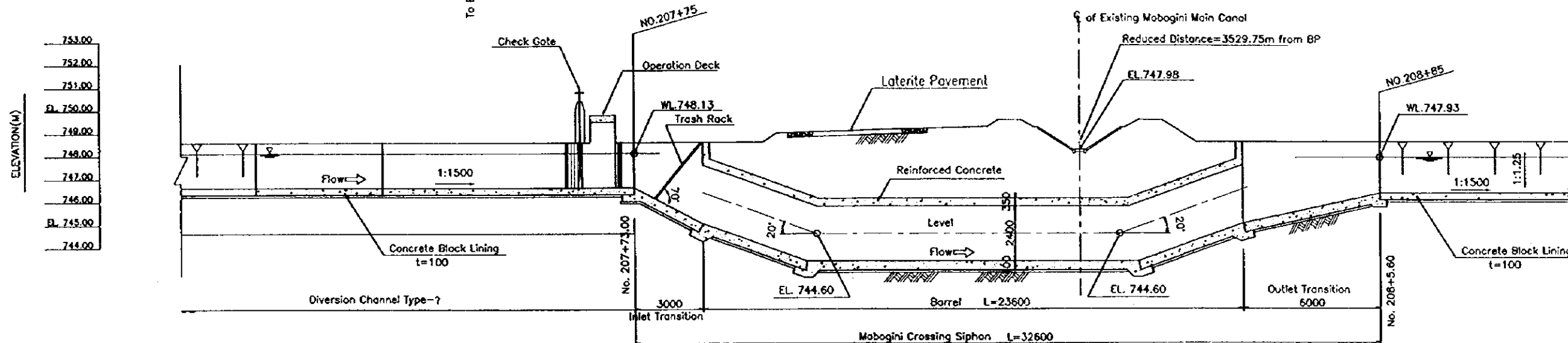
SECTION D-D



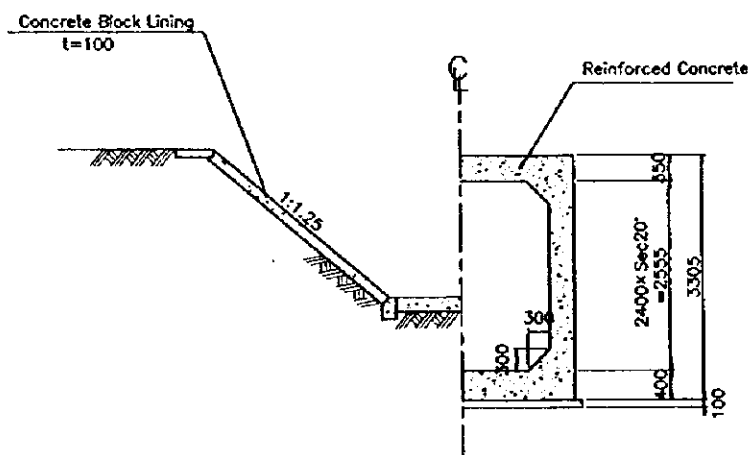
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Related Structure: Bifurcation
Japan International Cooperation Agency



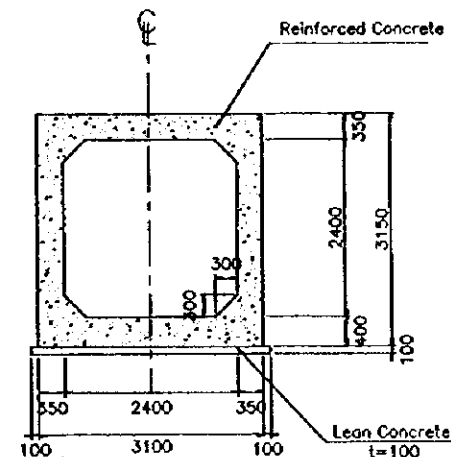
PLAN SCALE : A



PROFILE SCALE : A



INLET TRANSITION SCALE : B



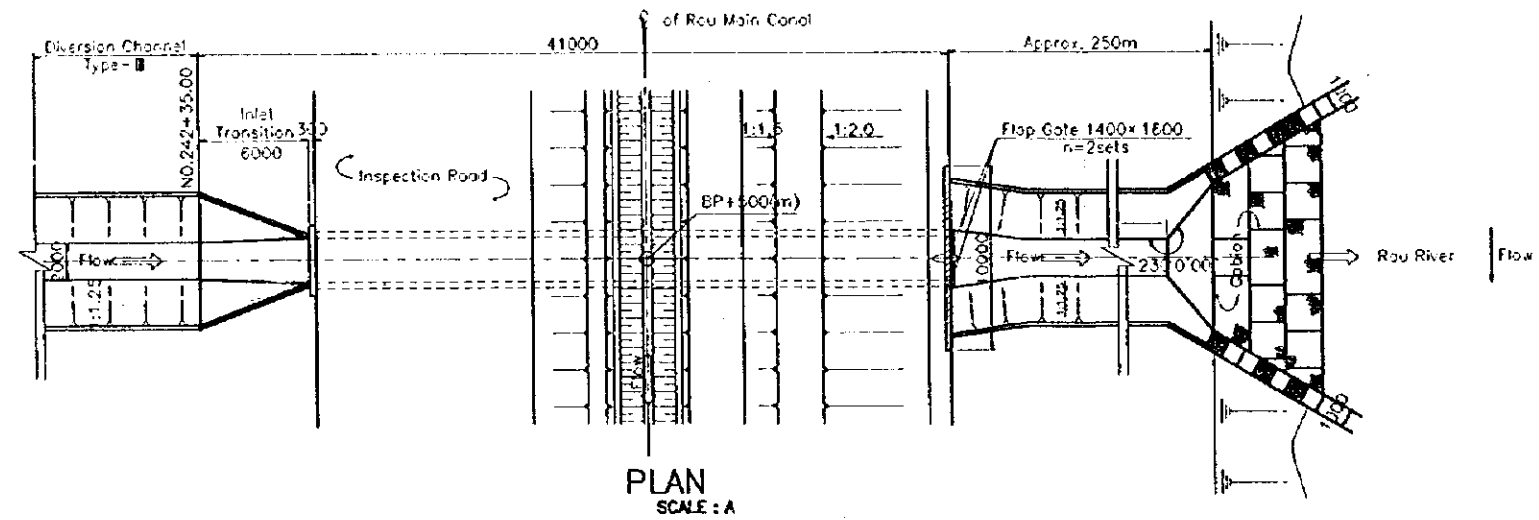
SIPHON BARREL SCALE : B

SCALE A 0 1 2 3 4 5 6 7 8 9 10 (m)

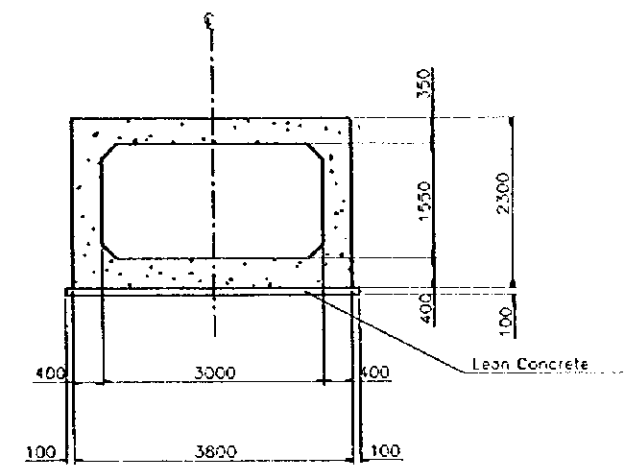
SCALE B 0 1 2 3 4 5 (m)

MABOGINI CROSSING SIPHON

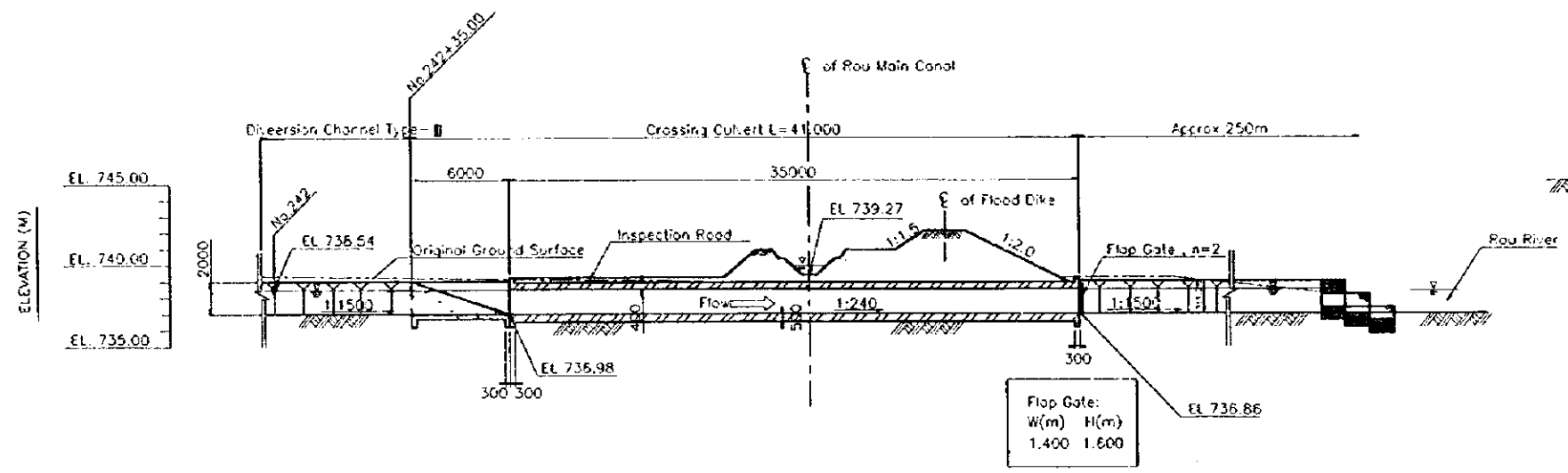
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL Related Structure: Crossing Structure for Mabogini Main Canal
Japan International Cooperation Agency



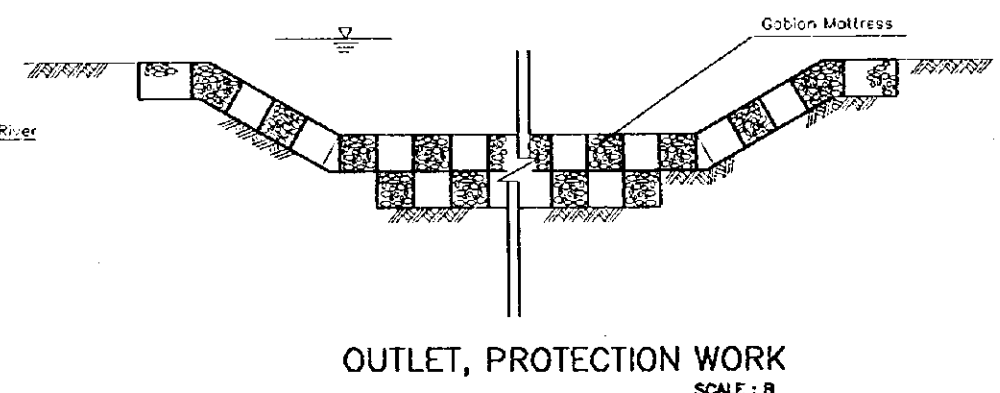
PLAN
SCALE: A



CULVERT SECTION
SCALE: B



PROFILE OF RAU CROSSING CULVERT
SCALE: A



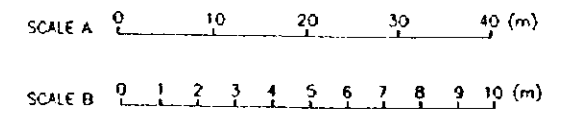
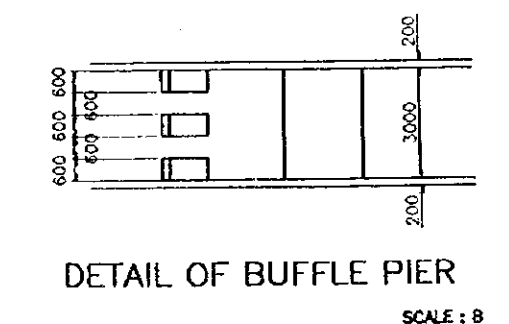
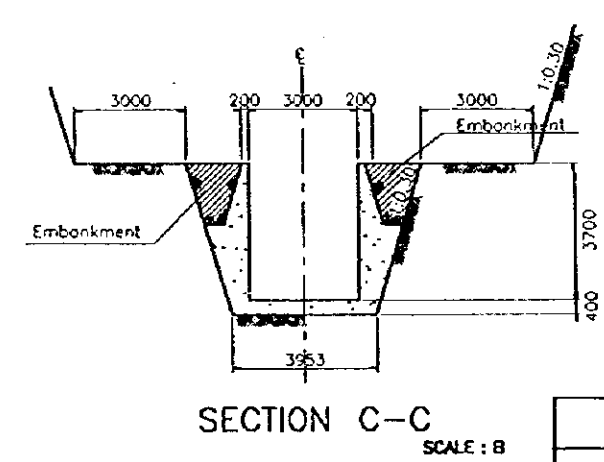
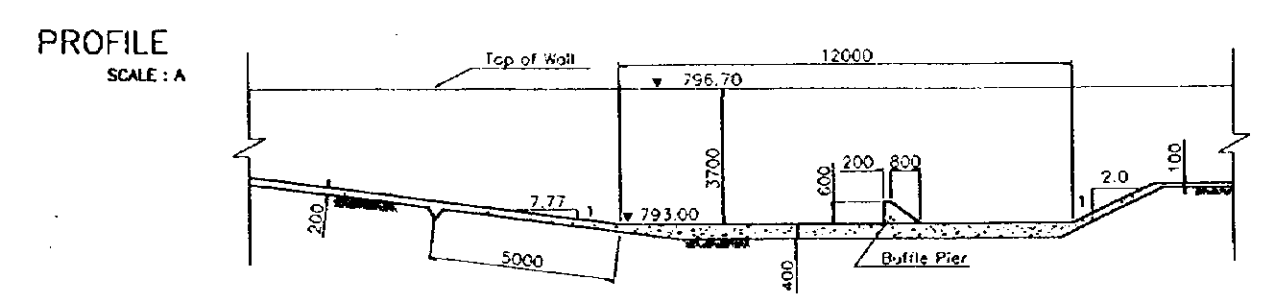
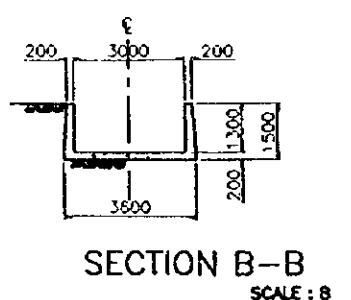
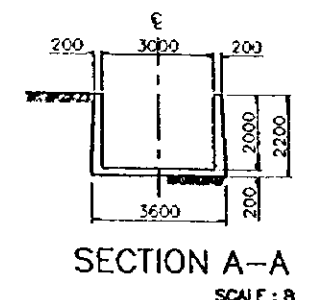
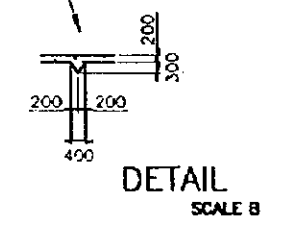
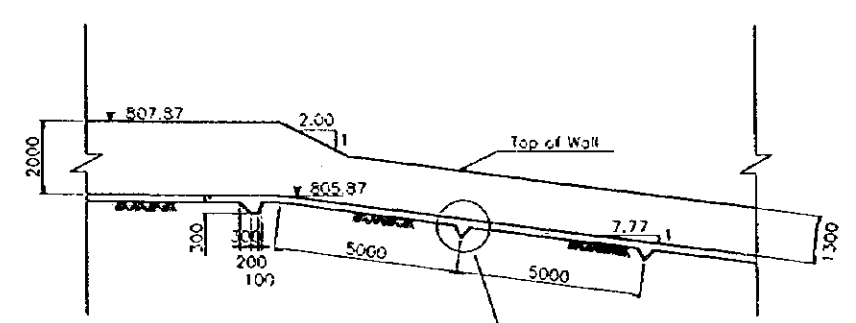
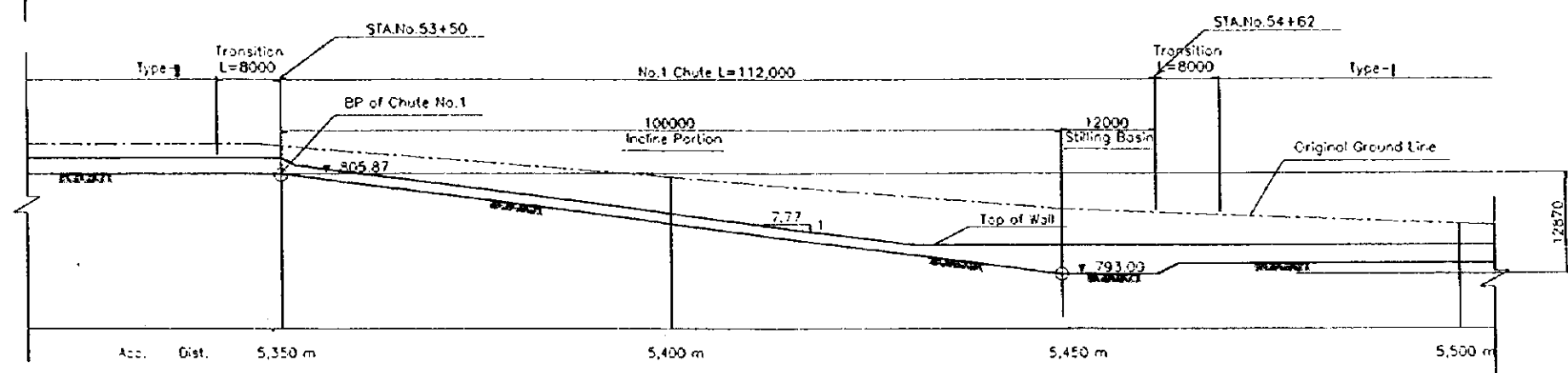
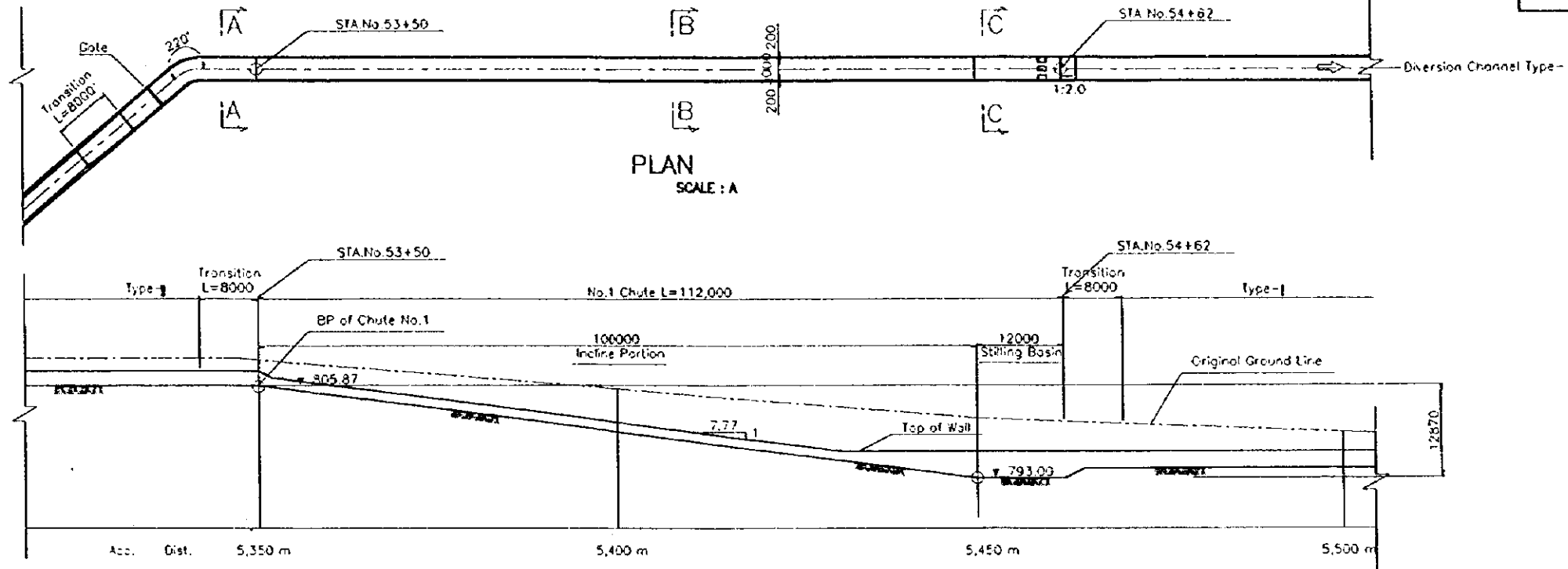
OUTLET, PROTECTION WORK
SCALE: B

RAU CROSSING CULVERT

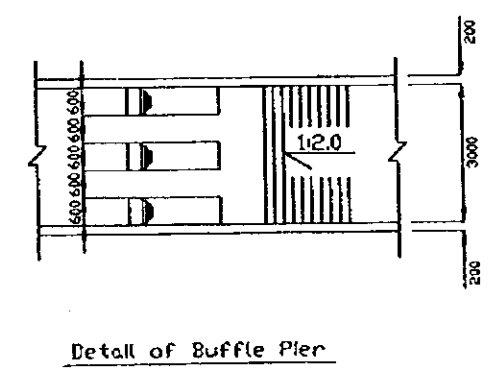
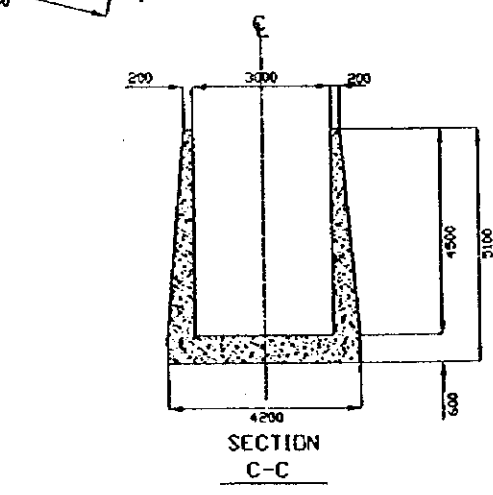
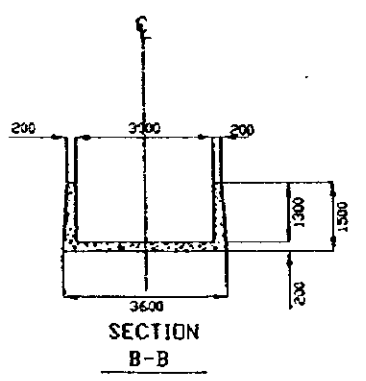
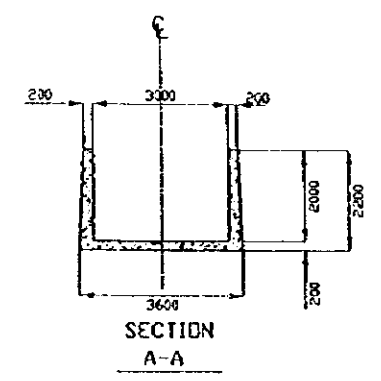
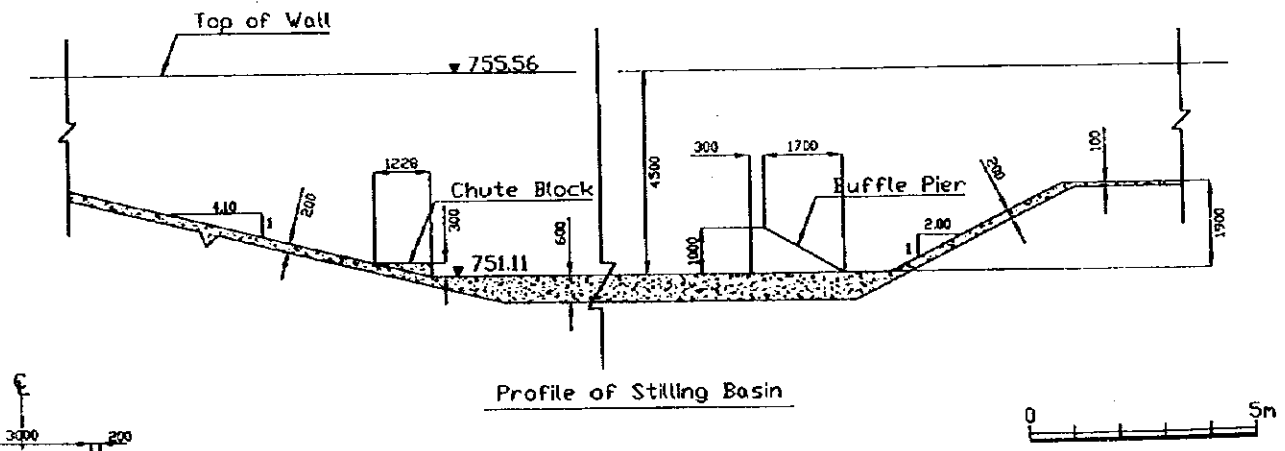
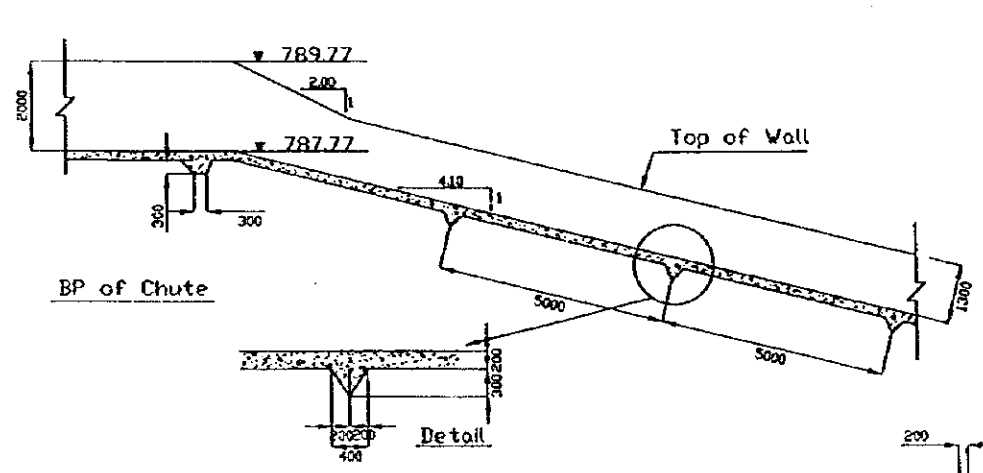
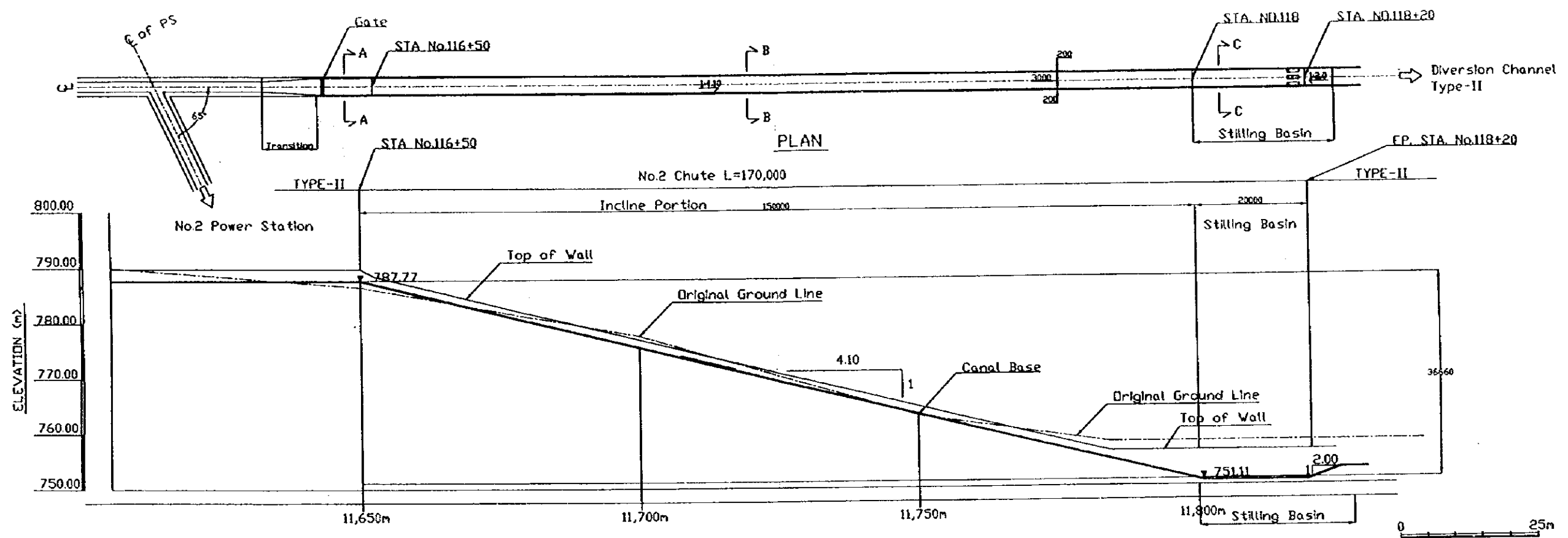
SCALE A 0 5 10 15 20 (m)

SCALE B 0 1 2 3 4 5 (m)

The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Related Structure: Outlet Structure at Rau River
Japan International Cooperation Agency



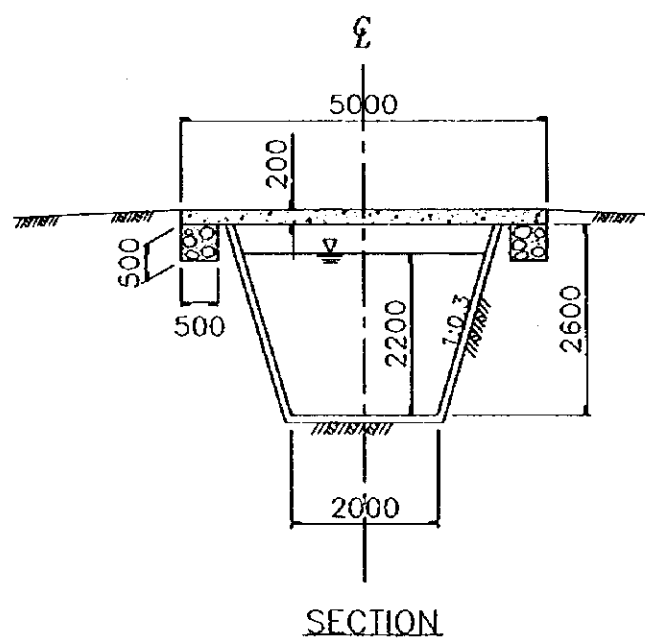
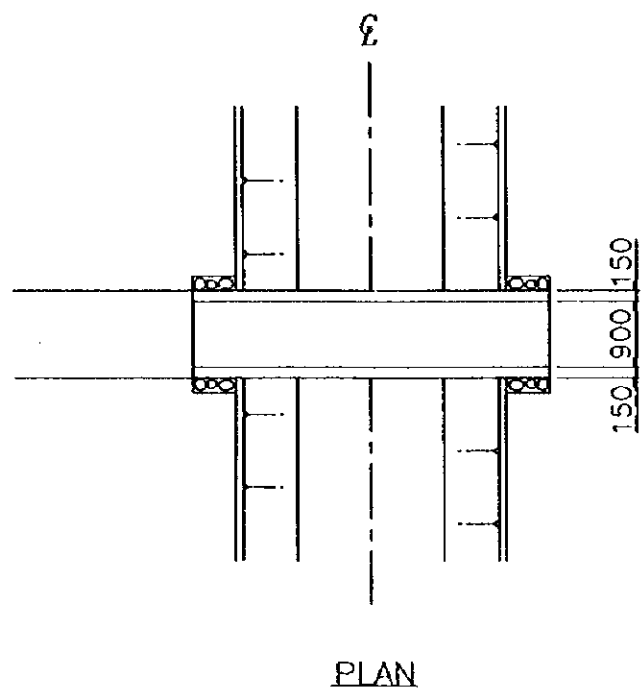
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Related Structure: No. 1 Chute
Japan International Cooperation Agency



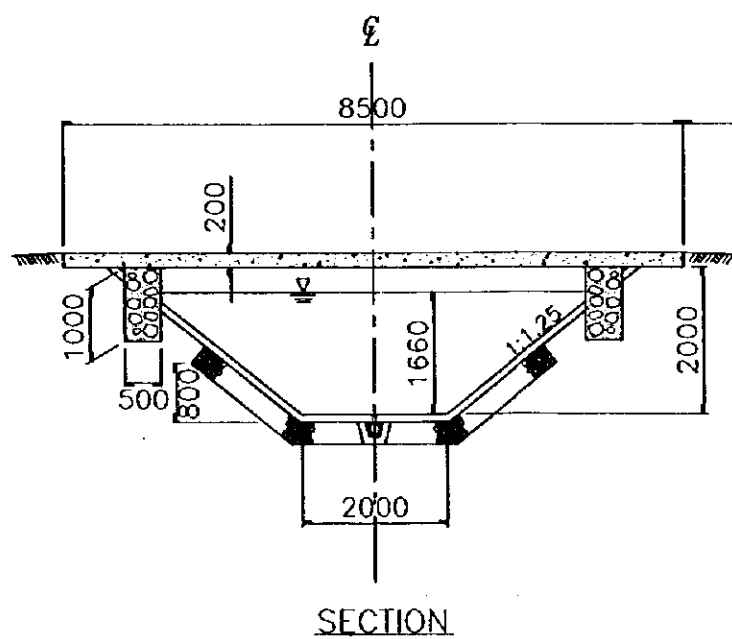
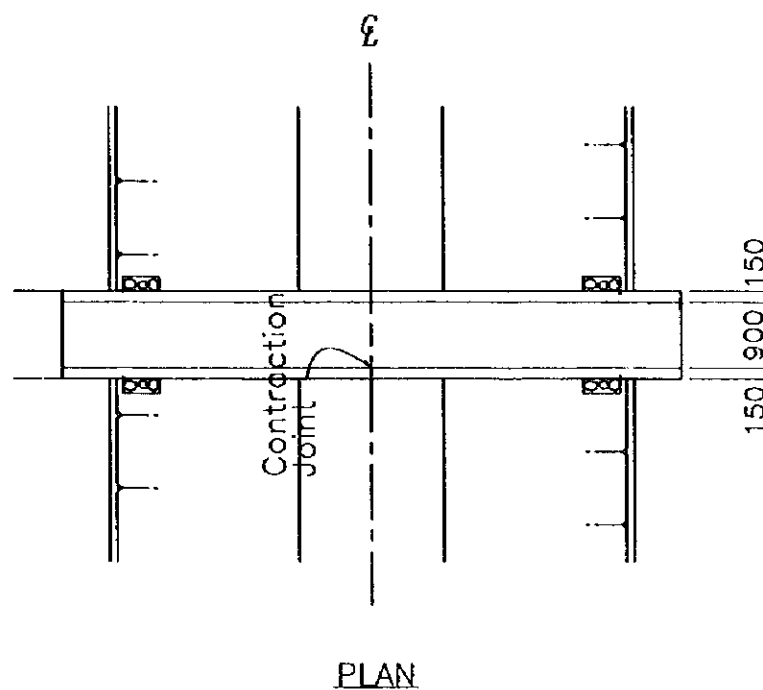
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Related Structure: No.2 Chute
Japan International Cooperation Agency

FOOT PATH

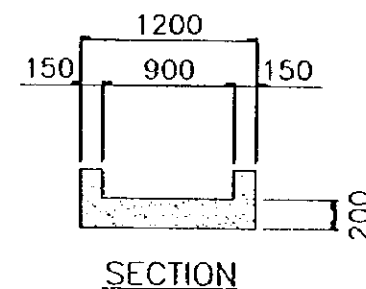
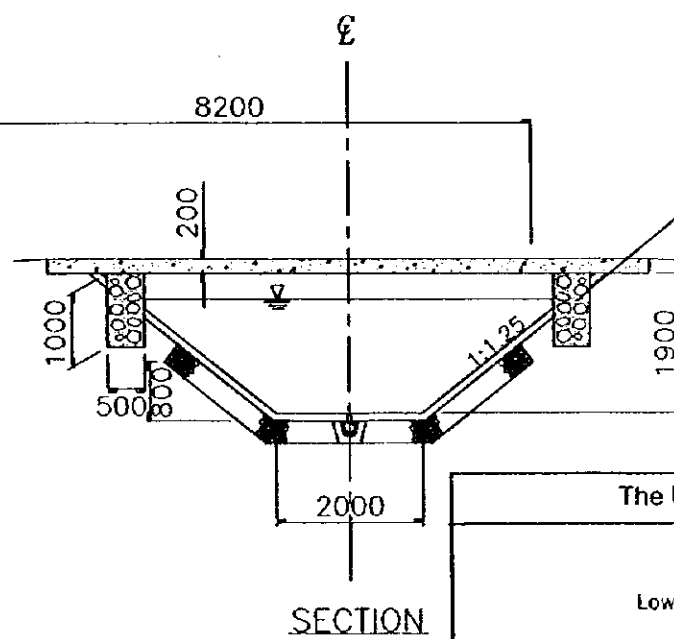
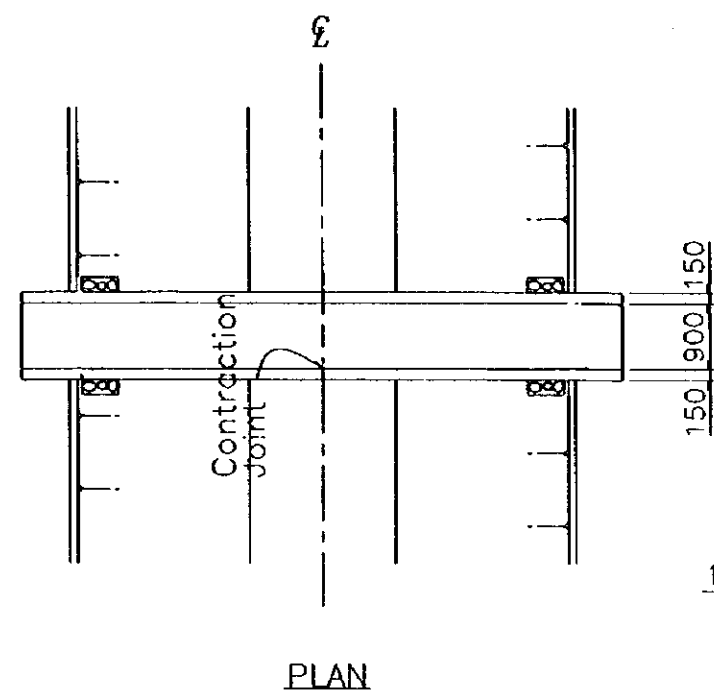
TYPE-1



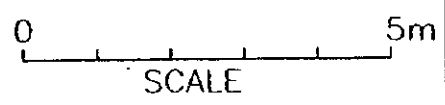
TYPE-2



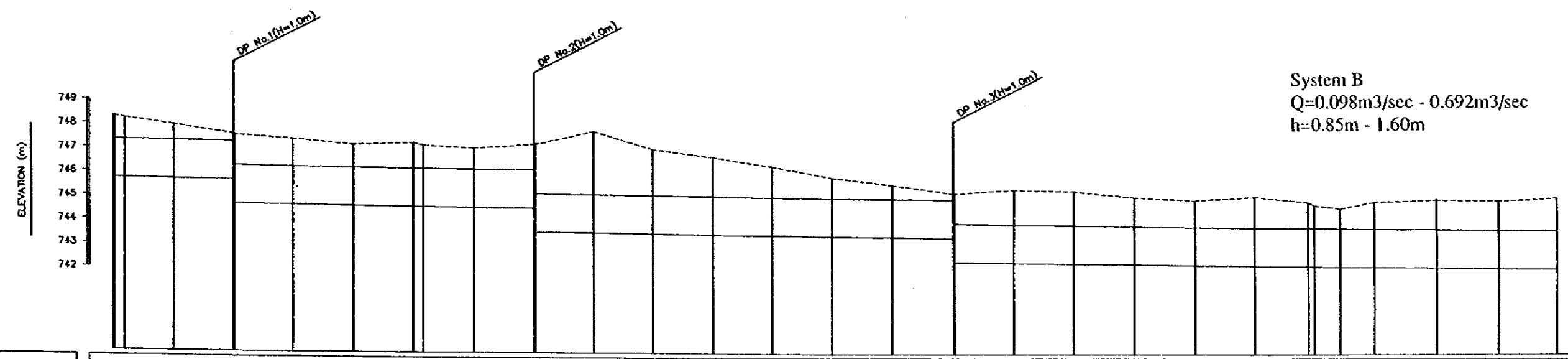
TYPE-3



Stone masonry

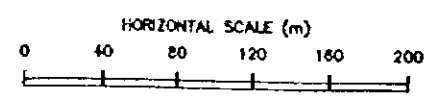


The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DIVERSION CHANNEL
Related Structure: Footpath
Japan International Cooperation Agency



System B
 Q=0.098m³/sec - 0.692m³/sec
 h=0.85m - 1.60m

CANAL TYPE	○-----○																												
WATER SURFACE ELEVATION	747.98	747.32	747.28	746.28	746.23	746.17	746.15	746.15	746.12	746.09	746.08	746.03	745.97	745.84	745.81	745.82	745.79	745.77	745.76	745.75	745.73	745.71	745.68	745.65					
CANAL BASE ELEVATION	748.38	748.72	748.74	748.66	748.63	748.57	748.55	748.55	748.52	748.49	748.48	748.43	748.37	748.34	748.31	748.28	748.25	748.22	748.21	748.20	748.19	748.18	748.17	748.16	748.15				
GROUND SURFACE ELEVATION	748.31	747.87	747.81	747.41	747.19	747.06	747.22	747.22	747.17	747.03	746.71	746.33	745.87	745.31	745.37	745.3	745.08	744.84	744.68	744.73	744.58	744.66	744.95	744.91	744.85				
REDUCED DISTANCE	0	10	50	100	101.28	150	200	250	258.88	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1021.47	1050	1100	1150	1200
DISTANCE	0	40	50	101.28	48.71	50	50	8.88	41.12	50	48	60	50	50	50	48	50	50	48	50	50	45	5	21.47	28.53	50	50	50	50
STATION NO.	0+00	0+40	0+50	0+101.28	0+150	0+200	0+250	0+258.88	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	0+981.75	0+1000	0+1021.47	0+1050	0+1100	0+1150	0+1200



The United Republic of Tanzania

The Feasibility Study
 on
 Lower Moshi Integrated Agriculture
 and
 Rural Development Project

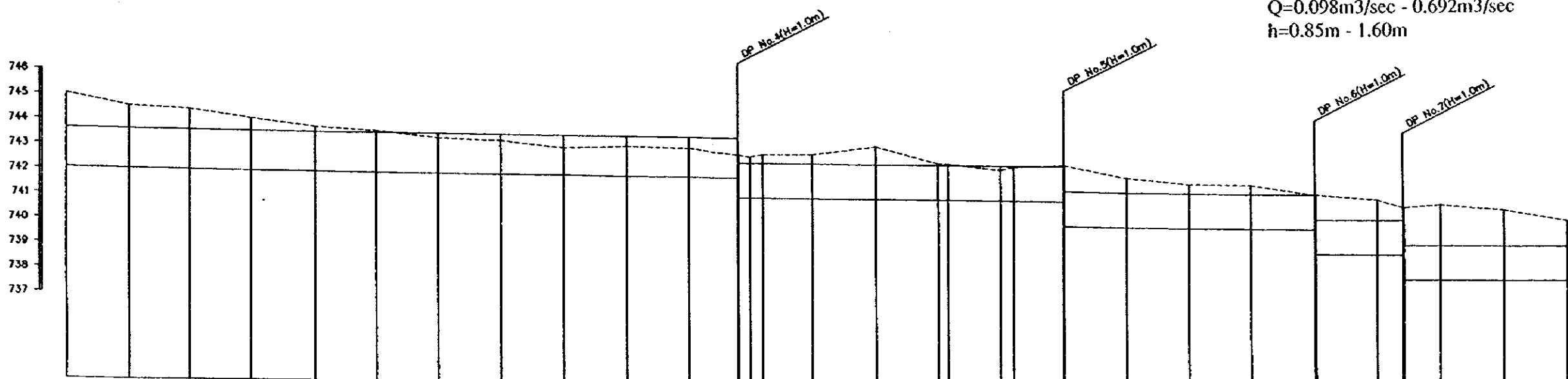
Title of Drawing
IRRIGATION CANAL SYSTEM

Extension Area: Main Canal for System B, Profile(1/7)

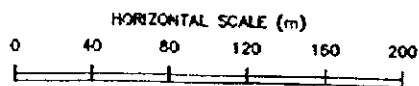
Japan International Cooperation Agency

System B
 Q=0.098m³/sec - 0.692m³/sec
 h=0.85m - 1.60m

ELEVATION (m)



CANAL TYPE	○————○																																							
WATER SURFACE ELEVATION	743.85	743.82	743.59	743.56	743.53	743.5	743.47	743.44	743.41	743.38	743.35	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33	743.33		
CANAL BASE ELEVATION	742.05	742.02	741.99	741.96	741.93	741.9	741.87	741.84	741.81	741.78	741.75	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	741.73	
GROUND SURFACE ELEVATION	745.02	744.54	744.42	744.08	743.73	743.37	743.07	742.84	742.61	742.38	742.15	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	742.13	
REDUCED DISTANCE	1200	1230	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27	1760.27
DISTANCE	0	50	90	90	90	90	90	90	90	90	90	49	8	10.27	36.73	90	50	7.89	42.01	10.36	38.64	49	50	50	22.86	49	20	20	28	50	50	23.54	49	50	50	50	50			
STATION NO.	+60.00	Ms.13	+60.00	Ms.14	+60.00	Ms.15	+60.00	Ms.16	+60.00	Ms.17	TP-3 +41.00 +60.00 +80.00	Ms.18	+60.00	Ms.19 +7.89	+60.00	+60.00	Ms.20 +7.89	+60.00	Ms.21	+60.00	Ms.22	+60.00	Ms.23	TP-3 +7.00	Ms.24	+60.00	Ms.25	+60.00	Ms.26	+60.00	Ms.27	+60.00	Ms.28	+60.00	Ms.29	+60.00	Ms.30	+60.00		



The United Republic of Tanzania

The Feasibility Study
 on
 Lower Moshi Integrated Agriculture
 and
 Rural Development Project

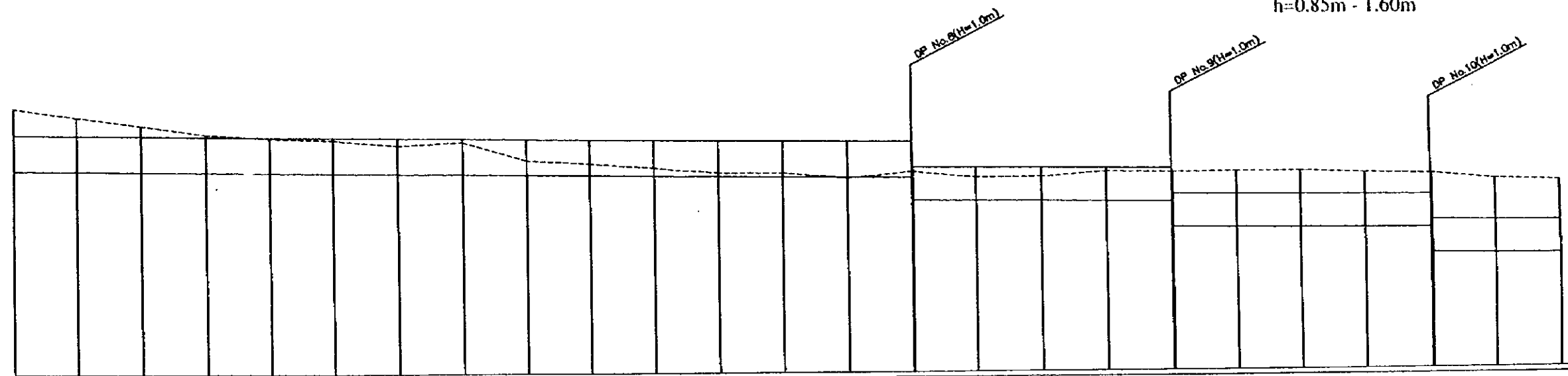
Title of Drawing
IRRIGATION CANAL SYSTEM

Extension Area: Main Canal for System B, Profile(2/7)

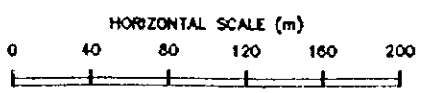
Japan International Cooperation Agency

System B
 Q=0.098m³/sec - 0.692m³/sec
 h=0.85m - 1.60m

ELEVATION (m)
 740
 739
 738
 737
 736
 735
 734
 733

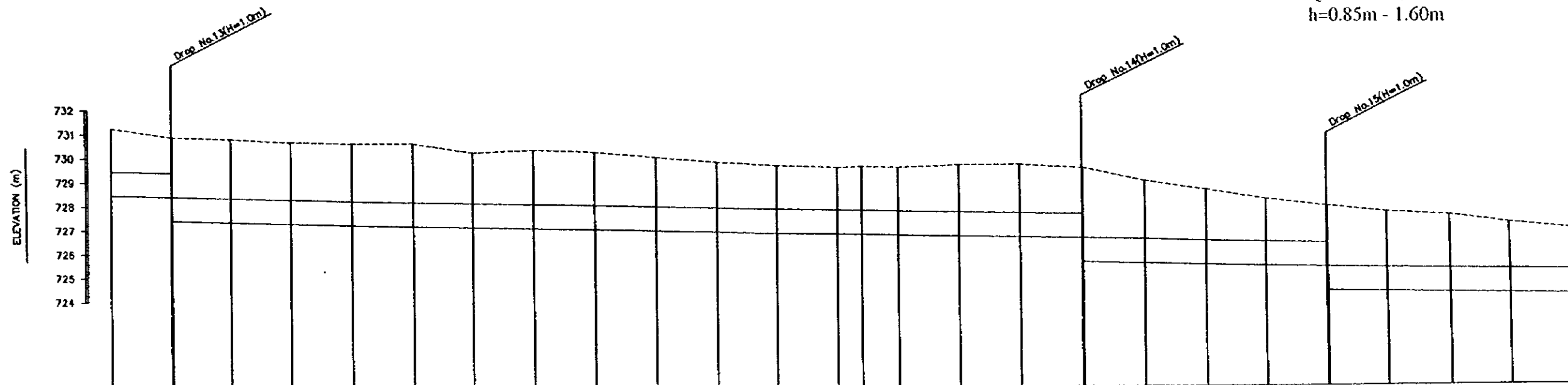


CANAL TYPE	○-----○																									
WATER SURFACE ELEVATION	738.94	738.91	738.89	738.85	738.83	738.8	738.77	738.74	738.71	738.68	738.65	738.62	738.59	738.56	738.53	738.5	738.47	738.44	738.41	738.38	738.36	738.33	738.3	738.27	738.24	
CANAL BASE ELEVATION	737.54	737.51	737.48	737.45	737.43	737.4	737.37	737.34	737.31	737.28	737.25	737.22	737.19	737.16	737.13	737.1	737.07	737.04	737.01	736.98	736.96	736.93	736.9	736.87	736.84	
GROUND SURFACE ELEVATION	739.98	739.84	739.3	738.94	738.79	738.7	738.48	738.61	737.87	737.74	737.58	737.36	737.34	737.12	737.38	737.11	737.15	737.31	737.27	737.23	737.26	737.28	737.19	737.12	736.9	736.82
REDUCED DISTANCE	2400	2450	2500	2350	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	
DISTANCE	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	50	50	48	50	50	50	48	50
STATION NO.	+60.00	+60.25	+60.50	+60.75	+61.00	+61.25	+61.50	+61.75	+62.00	+62.25	+62.50	+62.75	+63.00	+63.25	+63.50	+63.75	+64.00	+64.25	+64.50	+64.75	+65.00	+65.25	+65.50	+65.75	+66.00	

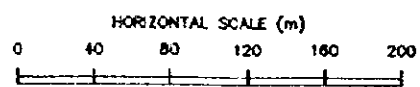


The United Republic of Tanzania
 The Feasibility Study
 on
 Lower Moshi Integrated Agriculture
 and
 Rural Development Project
 Title of Drawing
IRRIGATION CANAL SYSTEM
 Extension Area: Main Canal for System B, Profile(3/7)
 Japan International Cooperation Agency

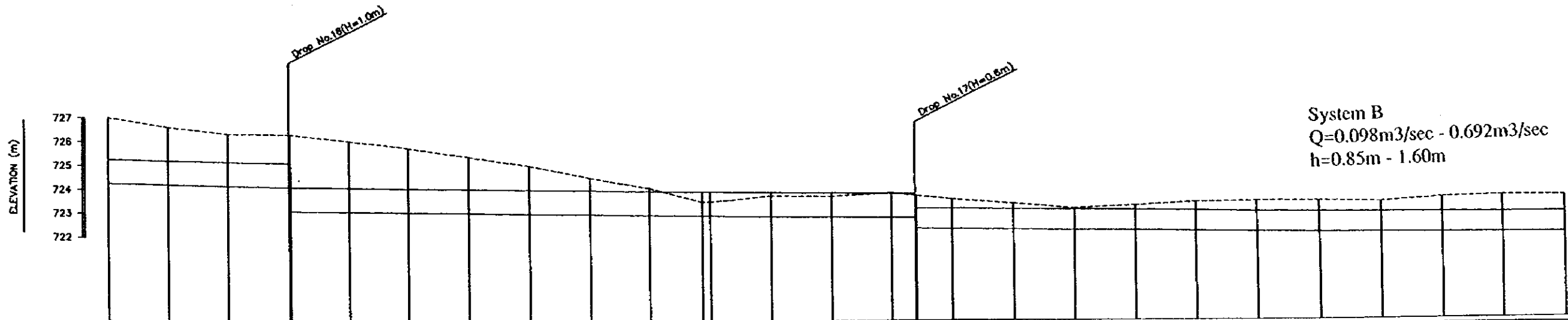
System B
 Q=0.098m³/sec - 0.692m³/sec
 h=0.85m - 1.60m



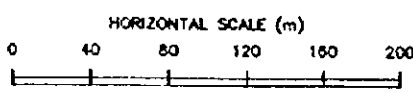
CANAL TYPE	○-----○																									
WATER SURFACE ELEVATION	728.45	728.4	728.35	728.3	728.25	728.2	728.16	728.1	728.05	728	727.95	727.9	727.85	727.8	727.75	727.7	727.65	727.6	727.55	727.5	727.45	727.4	727.35	727.3	727.25	
CANAL BASE ELEVATION	728.45	728.4	727.35	727.2	727.25	727.2	727.15	727.1	727.05	727	726.95	726.9	726.85	726.8	726.75	726.7	726.65	726.6	726.55	726.5	726.45	726.4	726.35	726.3	726.25	
GROUND SURFACE ELEVATION	731.25	730.8	730.6	730.65	730.64	730.64	730.35	730.36	730.28	730.05	729.85	729.7	729.6	729.65	729.7	729.55	729.5	729.02	728.65	728.65	728.27	727.98	727.72	727.56	727.25	727
REDUCED DISTANCE	4800	4850	4900	4950	5000	5050	5100	5150	5200	5250	5300	5350	5400	5420	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000
DISTANCE	0	50	49	50	50	50	50	50	50	50	50	50	50	20	30	50	50	50	49	50	50	49	50	50	50	
STATION NO.	+50.00	+51.00	Sta.49	+52.00	Sta.50	+53.00	Sta.51	+54.00	Sta.52	+55.00	Sta.53	+56.00	Sta.54	+57.00	Sta.55	+58.00	Sta.56	+59.00	Sta.57	+60.00	Sta.58	+61.00	Sta.59	+62.00	Sta.60	



The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM
Extension Area: Main Canal for System B, Profile(5/7)
Japan International Cooperation Agency



CANAL TYPE	0																														
WATER SURFACE ELEVATION	725.25	725.2	725.15	725.1	724.07	724.04	724.01	723.98	723.96	723.93	723.8	723.87	723.84	723.81	723.78	723.6	723.5	723.47	723.4	723.3	723.27	723.24	723.09	723.06	723.03	723	722.97	722.94	722.91	722.88	
CANAL BASE ELEVATION	724.25	724.2	724.15	724.1	723.07	723.04	723.01	722.98	722.96	722.93	722.8	722.87	722.84	722.81	722.78	722.6	722.5	722.47	722.4	722.3	722.27	722.24	722.09	722.06	722.03	722	721.97	721.94	721.91	721.88	
GROUND SURFACE ELEVATION	727	726.6	726.33	726.28	726.04	725.74	725.36	724.99	724.49	724.06	723.48	723.74	723.71	723.64	723.43	722.97	723.37	723.17	723.42	723.47	723.28	723.42	723.45	723.47	723.44	723.44	723.4	723.36	723.31	723.28	723.26
REDUCED DISTANCE	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6550	6600	6650	6670	6700	6750	6800	6850	6900	6950	7000	7050	7100	7150	7200					
DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	
STATION NO.	+60.00	+61.00	+62.00	+63.00	+64.00	+65.00	+66.00	+67.00	+68.00	+69.00	+70.00	+71.00	+72.00	+73.00	+74.00	+75.00	+76.00	+77.00	+78.00	+79.00	+80.00	+81.00	+82.00	+83.00	+84.00	+85.00	+86.00	+87.00	+88.00	+89.00	+90.00



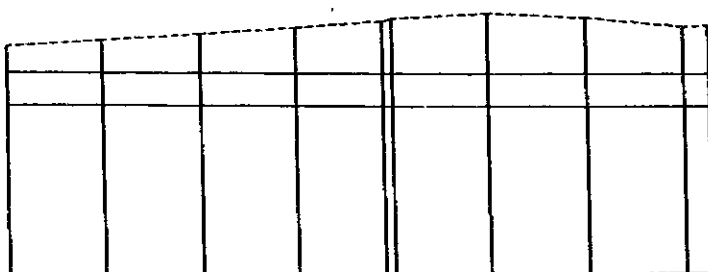
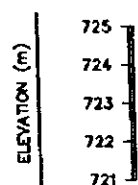
The United Republic of Tanzania

The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

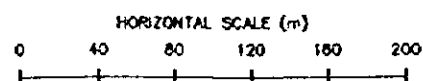
Title of Drawing
IRRIGATION CANAL SYSTEM
Extension Area: Main Canal for System B, Profile(6/7)

Japan International Cooperation Agency

System B
 $Q=0.098\text{m}^3/\text{sec} - 0.692\text{m}^3/\text{sec}$
 $h=0.85\text{m} - 1.60\text{m}$

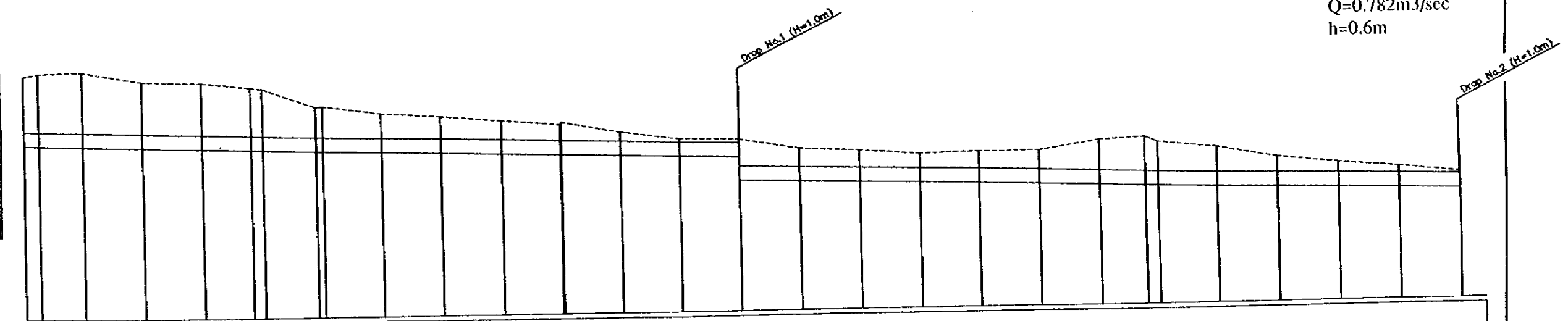
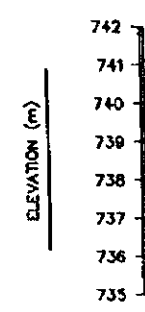


CANAL TYPE	—○—○—										
WATER SURFACE ELEVATION	722.86	722.86	722.83	722.8	722.77	722.77	722.74	722.71	722.68	722.67	722.67
CANAL BASE ELEVATION	722.04	722.01	721.98	721.95	721.92	721.92	721.89	721.86	721.83	721.82	721.82
GROUND SURFACE ELEVATION	723.96	723.71	723.85	723.99	724.14	724.2	724.32	724.17	723.9	723.93	723.87
REDUCED DISTANCE	7200	7250	7300	7350	7395	7400	7450	7500	7550	7563.16	7567
DISTANCE	0	50	80	50	45	5	50	50	50	13.16	67
STATION NO.	+60.00	66.75	+60.00	+66.00	70-4	+60.00	66.75	+60.00	66		

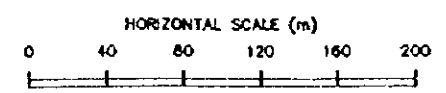


The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM Extension Area: Main Canal for System B, Profile(7/7)
Japan International Cooperation Agency

System C
 Q=0.782m³/sec
 h=0.6m



CANAL TYPE	Main Canal																															
WATER SURFACE ELEVATION	738.45	738.43	738.39	738.37	738.24	738.18	738.16	738.11	738.09	738.02	738.95	738.88	738.81	738.74	738.66	738.58	738.52	737.45	737.38	737.31	737.24	737.17	737.11	737.08	737.02	736.95	736.88	736.81	736.74			
CANAL BASE ELEVATION	738.85	738.83	738.78	738.71	738.64	738.56	738.56	738.5	738.48	738.42	738.35	738.28	738.21	738.14	738.06	737.98	737.92	737.85	737.78	737.71	737.64	737.57	737.51	737.44	737.37	737.30	737.23	737.16	737.09	737.02		
GROUND SURFACE ELEVATION	741.78	741.8	741.83	741.51	741.44	741.22	741.16	740.37	740.36	740.06	739.89	739.88	739.59	739.12	738.5	738.5	738.3	738.17	738.04	738.04	738.04	738.03	738.48	738.04	738.03	738.09	738.42	738.35	738.89	738.81	738.74	
REDUCED DISTANCE	0	13	50	50	50	40.2	8.6	44.31	0.09	50	50	50	49	50	50	50	50	50	50	50	50	50	38	11	30	50	50	50	50	50		
DISTANCE	0	13	37	50	50	90.2	98.8	143.11	143.2	193.2	243.2	293.2	342.2	392.2	442.2	492.2	542.2	592.2	642.2	692.2	742.2	792.2	830.2	841.3	871.3	901.3	951.3	1001.3	1051.3	1101.3	1151.3	1201.3
STATION NO.	Sta. 0+00	Sta. 0+13	Sta. 0+37	Sta. 0+50	Sta. 0+50	Sta. 0+90.2	Sta. 0+98.8	Sta. 0+143.11	Sta. 0+143.2	Sta. 0+193.2	Sta. 0+243.2	Sta. 0+293.2	Sta. 0+342.2	Sta. 0+392.2	Sta. 0+442.2	Sta. 0+492.2	Sta. 0+542.2	Sta. 0+592.2	Sta. 0+642.2	Sta. 0+692.2	Sta. 0+742.2	Sta. 0+792.2	Sta. 0+830.2	Sta. 0+841.3	Sta. 0+871.3	Sta. 0+901.3	Sta. 0+951.3	Sta. 0+1001.3	Sta. 0+1051.3	Sta. 0+1101.3	Sta. 0+1151.3	Sta. 0+1201.3



The United Republic of Tanzania

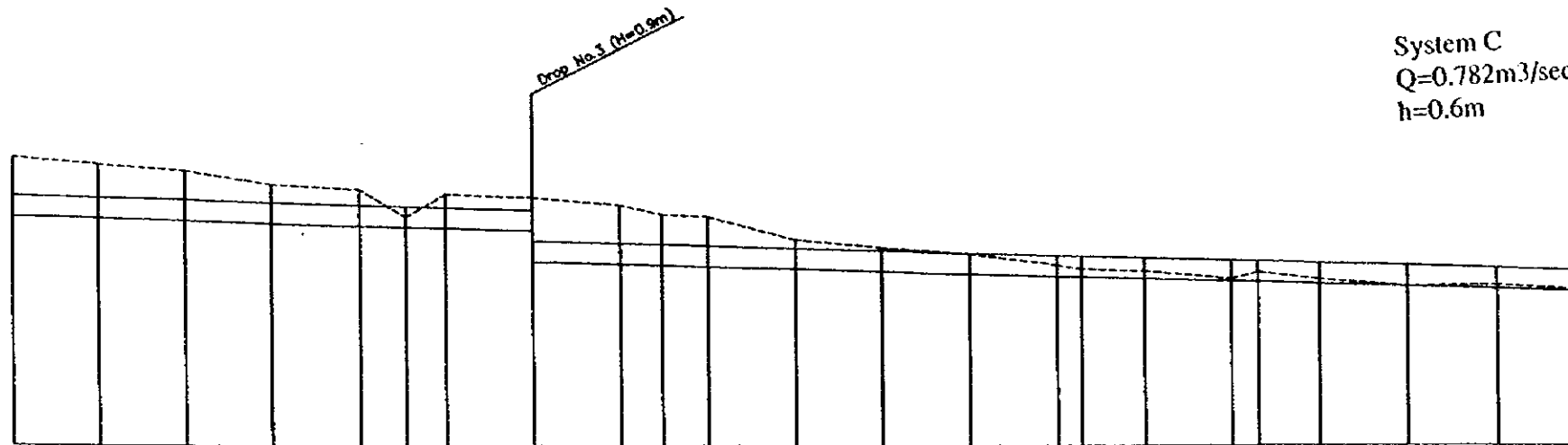
The Feasibility Study
 on
 Lower Moshi Integrated Agriculture
 and
 Rural Development Project

Title of Drawing
IRRIGATION CANAL SYSTEM

Extension Area: Main Canal for System C, Profile(1/2)

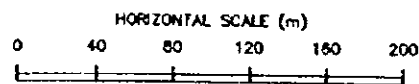
Japan International Cooperation Agency

ELEVATION (m)
737
736
735
734
733
732



System C
Q=0.782m³/sec
h=0.6m

CANAL TYPE	Main Canal for System C																			
WATER SURFACE ELEVATION	735.74	735.67	735.6	735.53	735.45	735.41	735.36	735.31	735.27	735.2	735.13	735.05	734.98	734.9	734.82	734.77	734.7	734.63	734.55	
CANAL BASE ELEVATION	735.14	735.07	735	734.93	734.85	734.81	734.76	734.71	734.67	734.6	734.53	734.45	734.38	734.3	734.22	734.17	734.1	734.03	733.95	
GROUND SURFACE ELEVATION	736.84	736.63	736.44	736.25	736.05	735.81	735.77	735.67	735.44	735.18	735.11	735.05	734.91	734.78	734.66	734.55	734.48	734.31	734.14	
REDUCED DISTANCE	1200	1250	1300	1349.74	1400	1427	1460	1500	1550	1574.1	1600	1660	1700	1750	1800	1813.78	1850	1900	1915.6	
DISTANCE	0	50	50	48.74	50	27	23	50	50	24.1	25.9	50	50	50	50	13.78	26.22	50	15.6	
STATION NO.	+80	160	210	258.74	308	335	358	408	458	482.1	508	558	608	658	708	721.78	758	808	823.6	

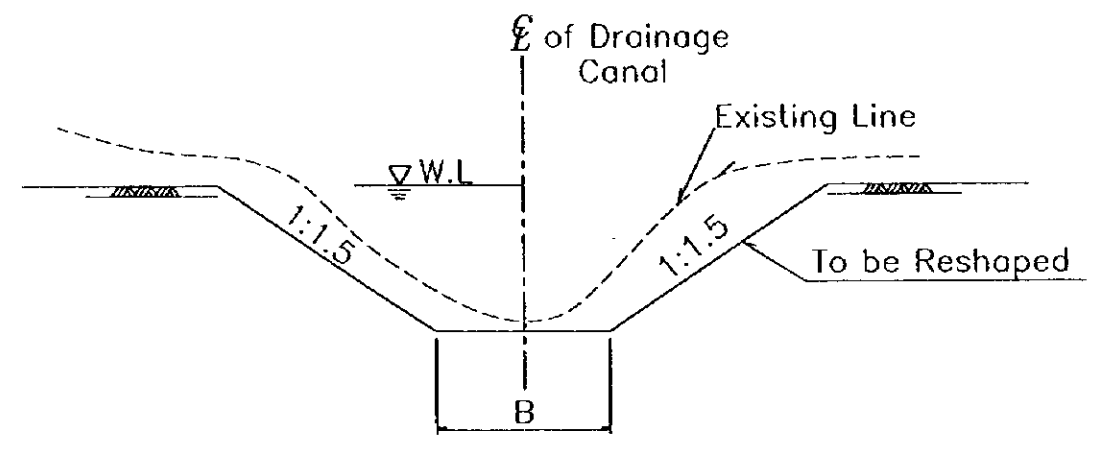


The United Republic of Tanzania

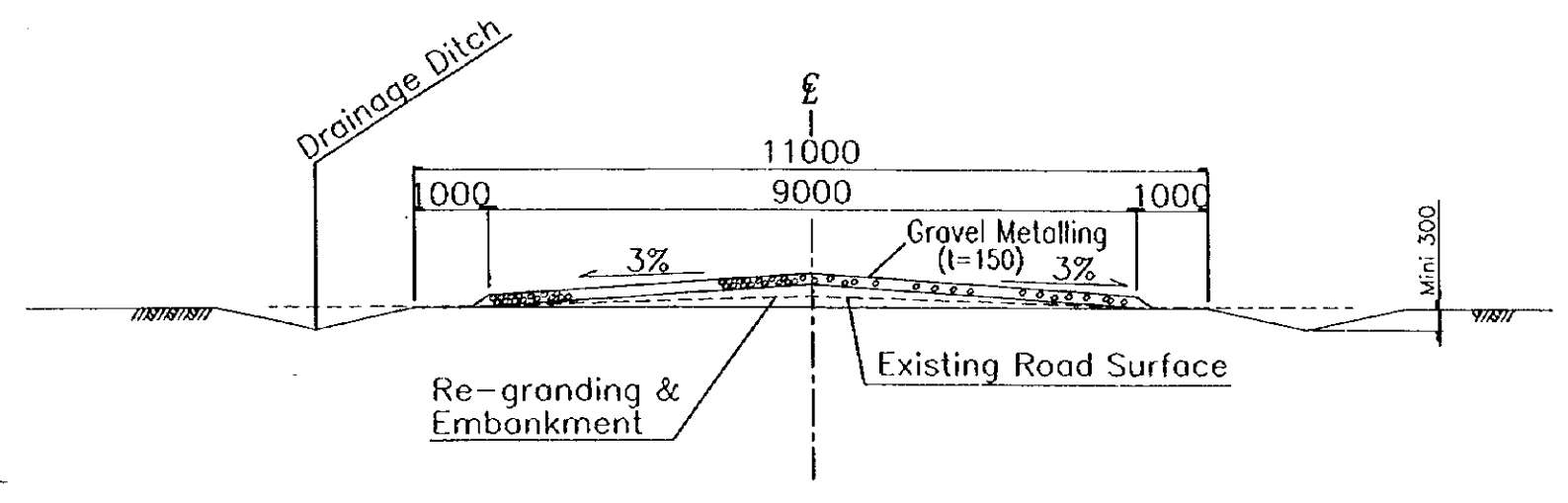
The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing
IRRIGATION CANAL SYSTEM
Extension Area: Main Canal for System C, Profile(2/2)

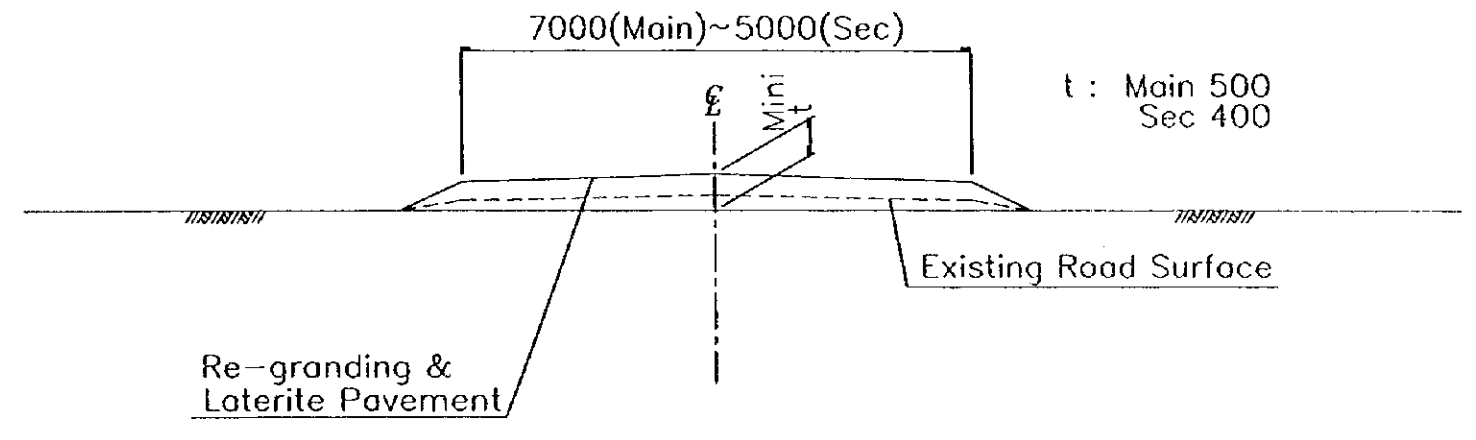
Japan International Cooperation Agency



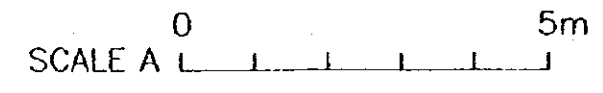
**DRAINAGE CANAL
RESHAPING WORK**
Not to Scale



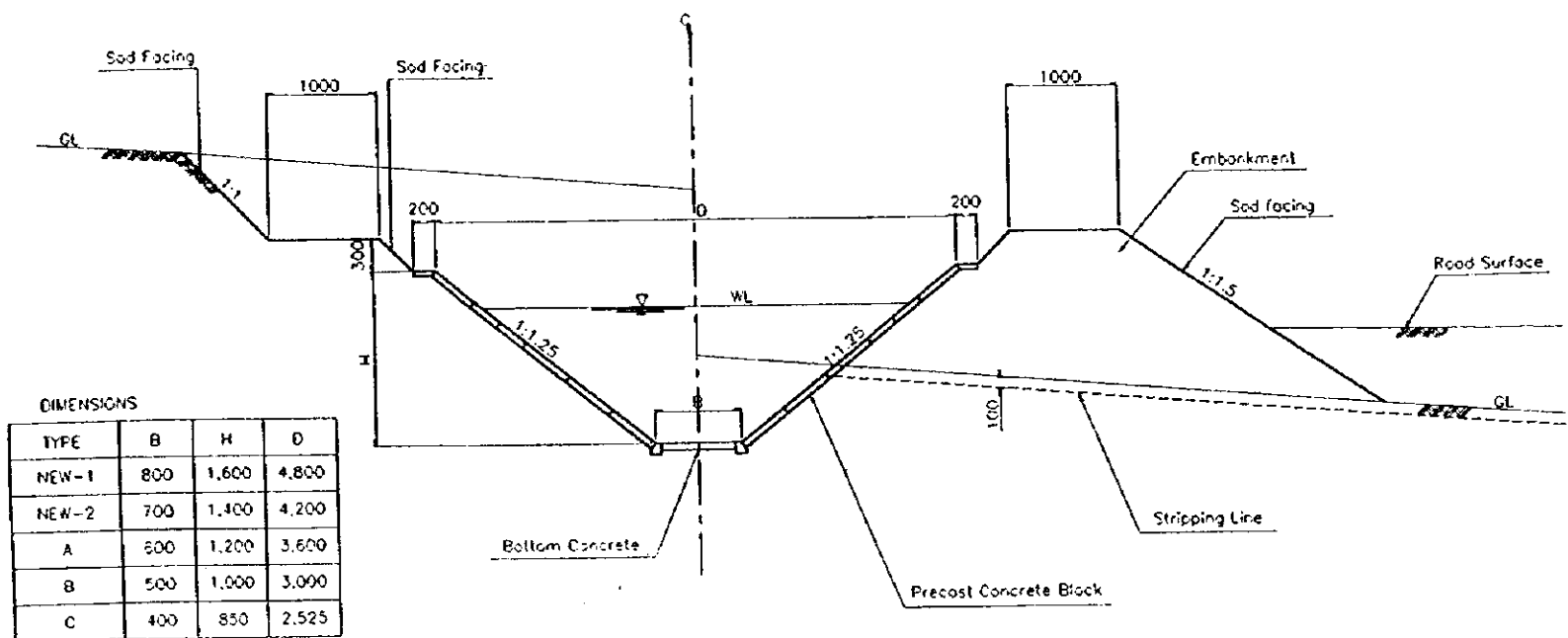
TRUNK FARM ROAD



MAIN & SECONDARY FARM ROAD



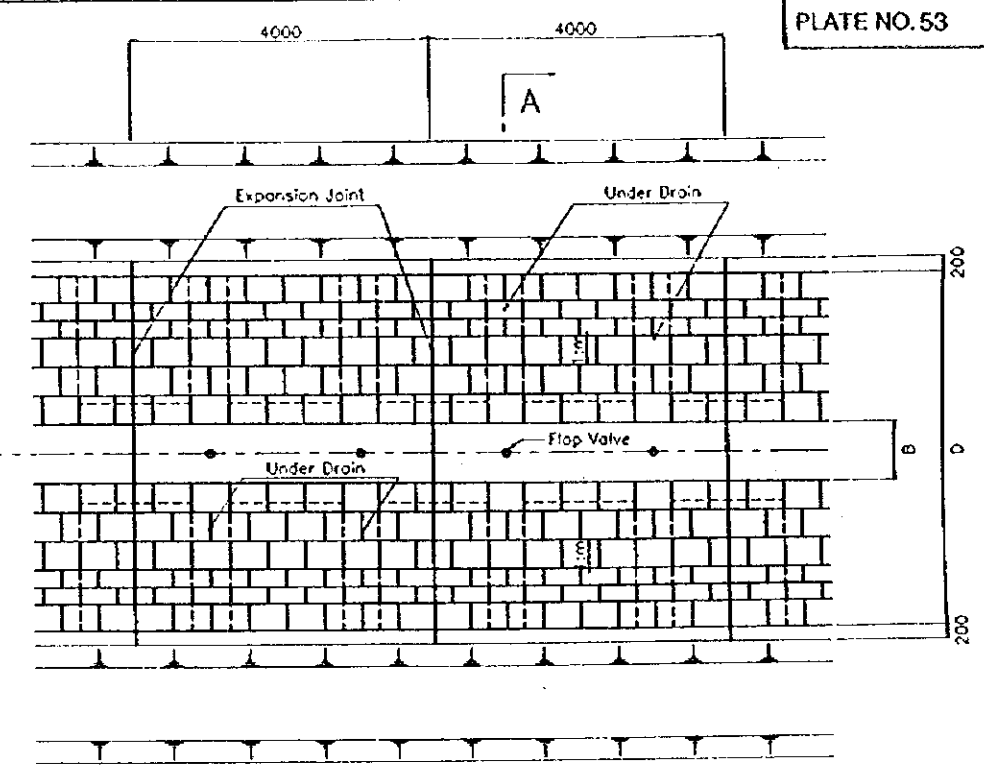
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM Rehabilitation Plan, Drainage Canal, Farm Road at Existing Area
Japan International Cooperation Agency



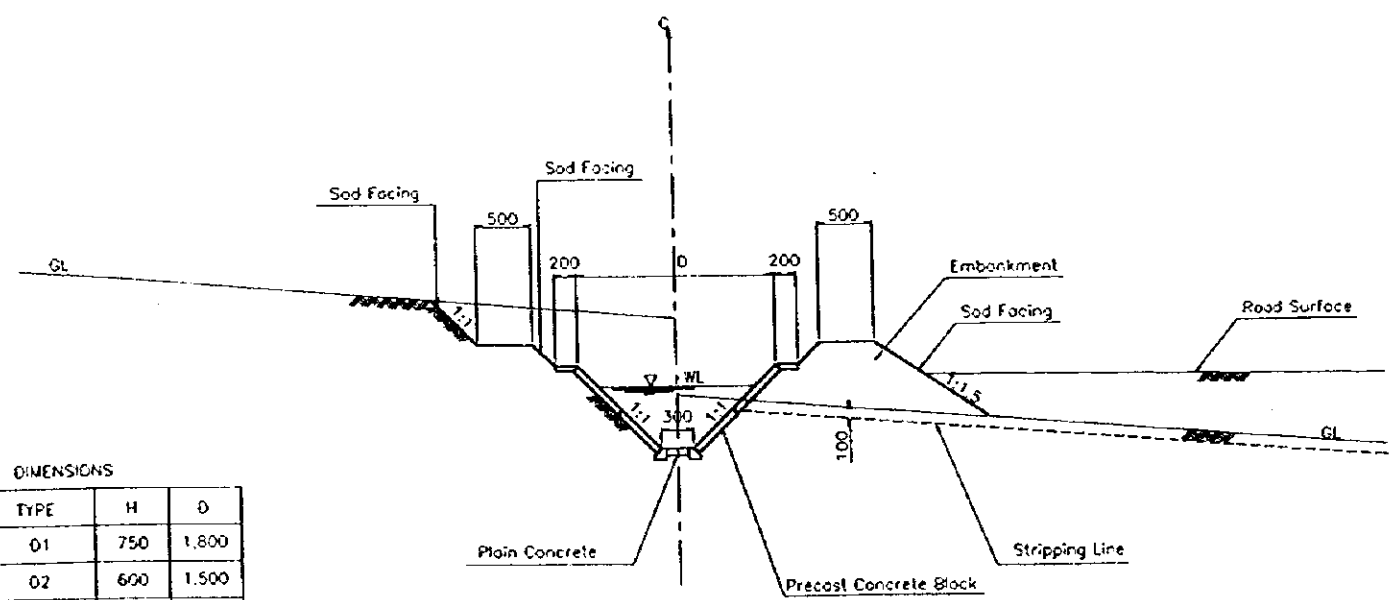
DIMENSIONS

TYPE	B	H	D
NEW-1	800	1,600	4,800
NEW-2	700	1,400	4,200
A	600	1,200	3,600
B	500	1,000	3,000
C	400	850	2,525

MAIN & SECONDARY CANAL
SCALE: A



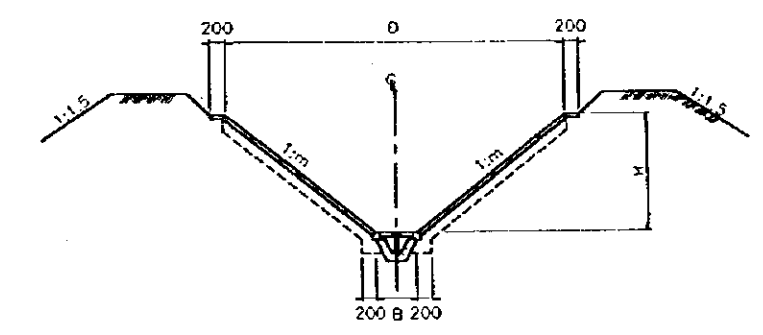
PLAN
SCALE: B



DIMENSIONS

TYPE	H	D
01	750	1,800
02	600	1,500
03	500	1,300

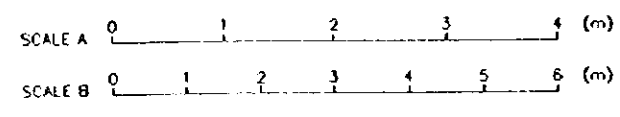
TERTIARY CANAL
SCALE: A



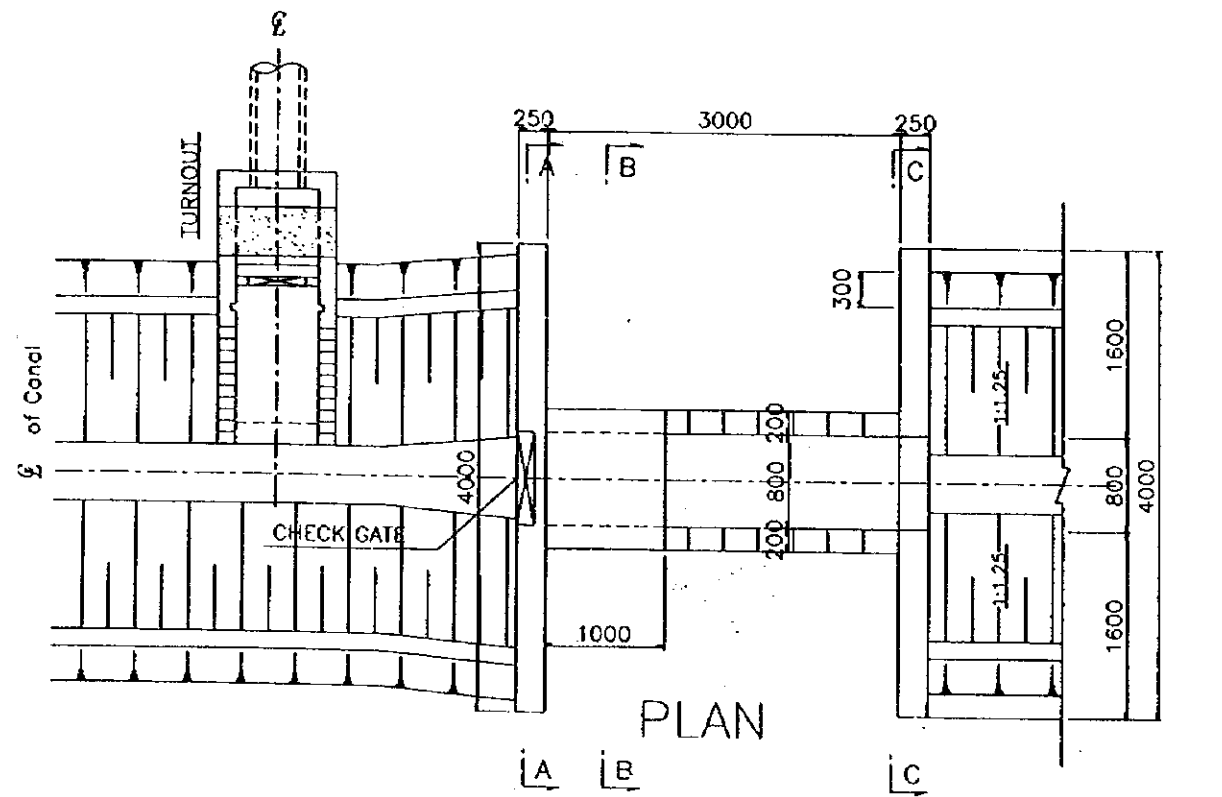
SECTION A-A
CONCRETE BLOCK LINING
Not to scale

TYPICAL CROSS SECTION OF IRRIGATION CANAL
Not to scale

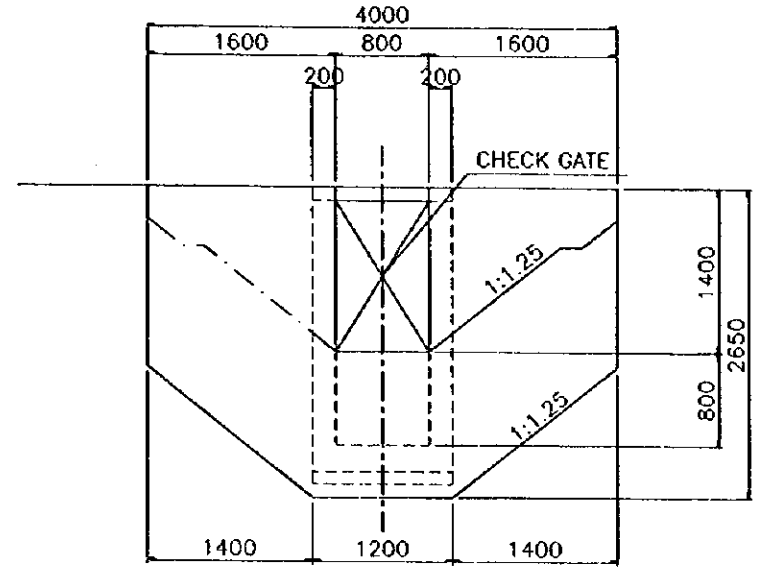
Note: 1. Size of precast concrete block
 Type A : 500x 500x 60 (mm)
 Type B : 300x 500x 60 (mm)
 2. Strength of concrete at age of 28 days shall be 210 kgf/cm².



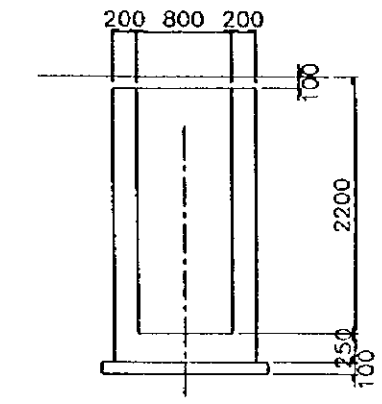
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM
Related Structure: Typical Cross Sections of Canal
Japan International Cooperation Agency



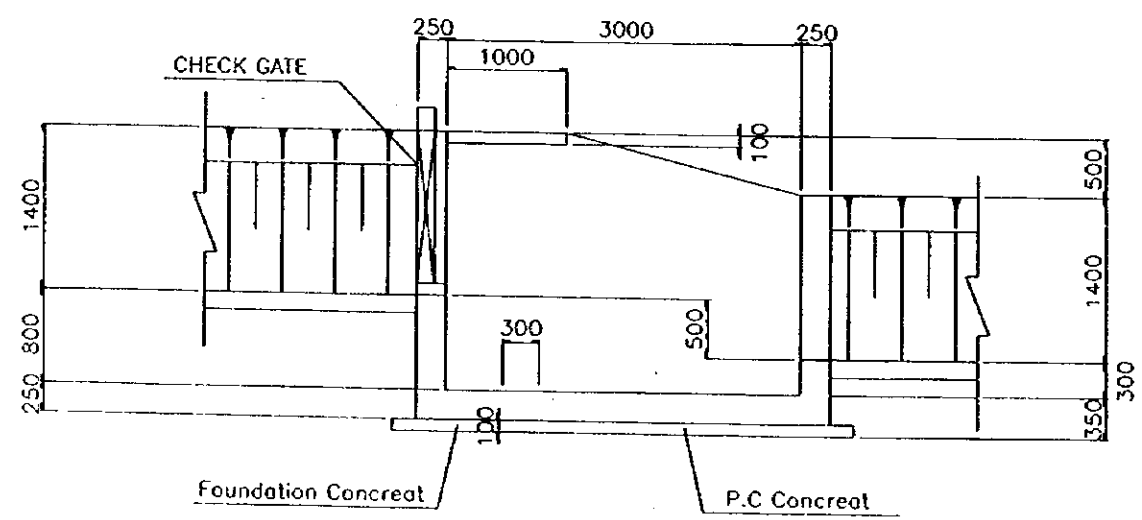
PLAN



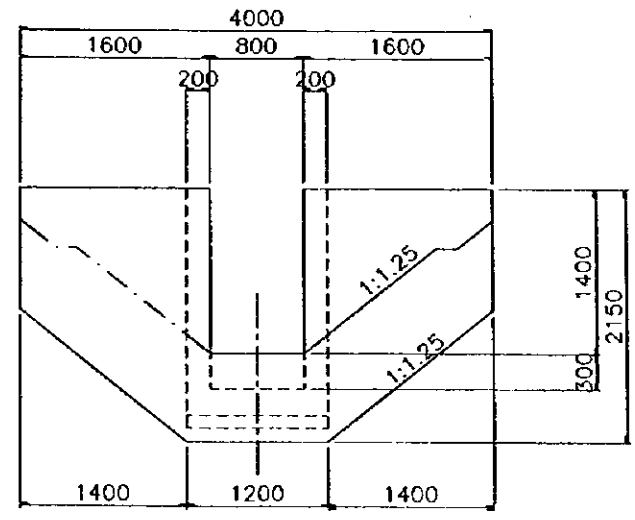
SECTION A-A



SECTION B-B

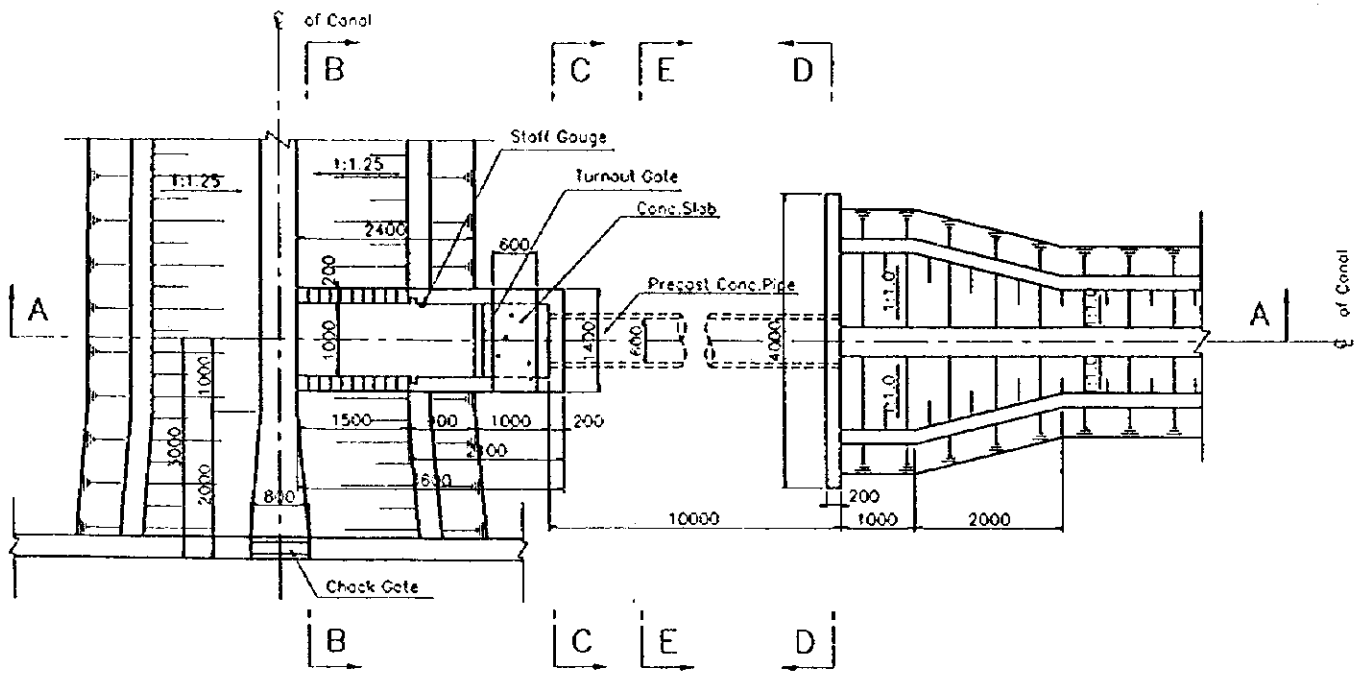


PROFILE

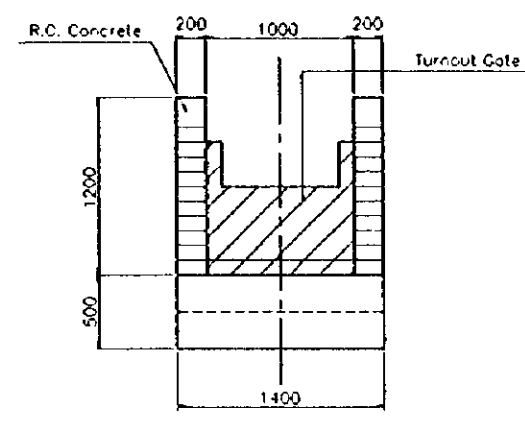


SECTION C-C

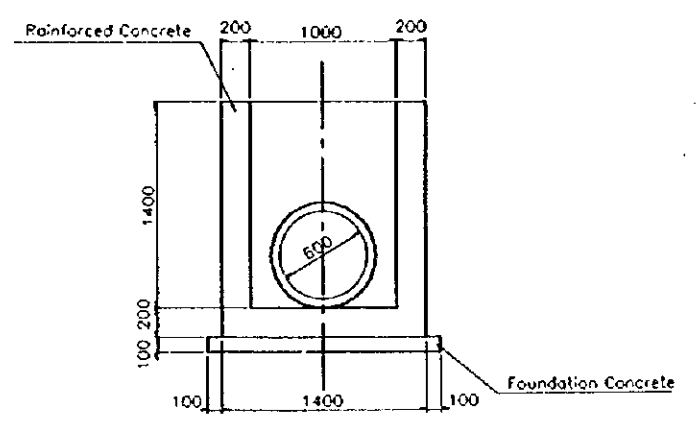
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM
Related Structure: Check Drop
Japan International Cooperation Agency



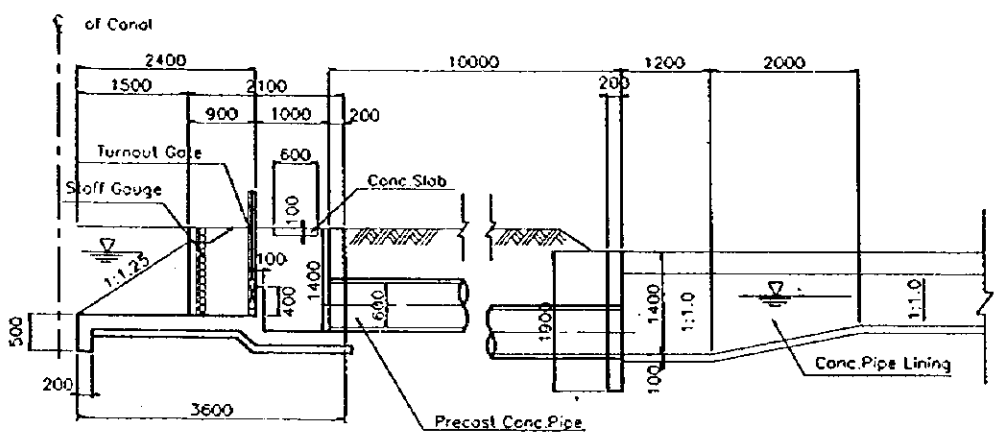
PLAN
SCALE : A



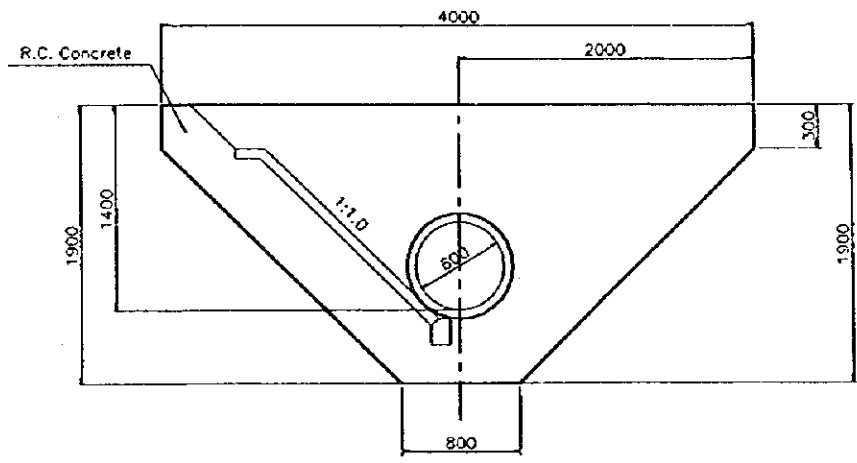
SECTION B-B
SCALE : B



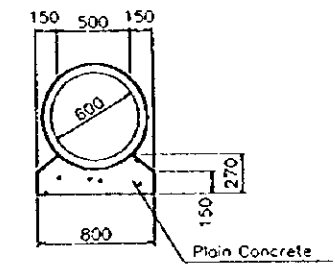
SECTION C-C
SCALE : B



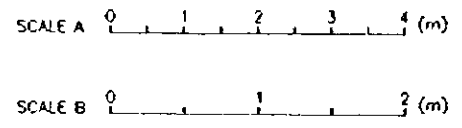
SECTION A-A
SCALE : A



SECTION D-D
(OUTLET WALL)
SCALE : B

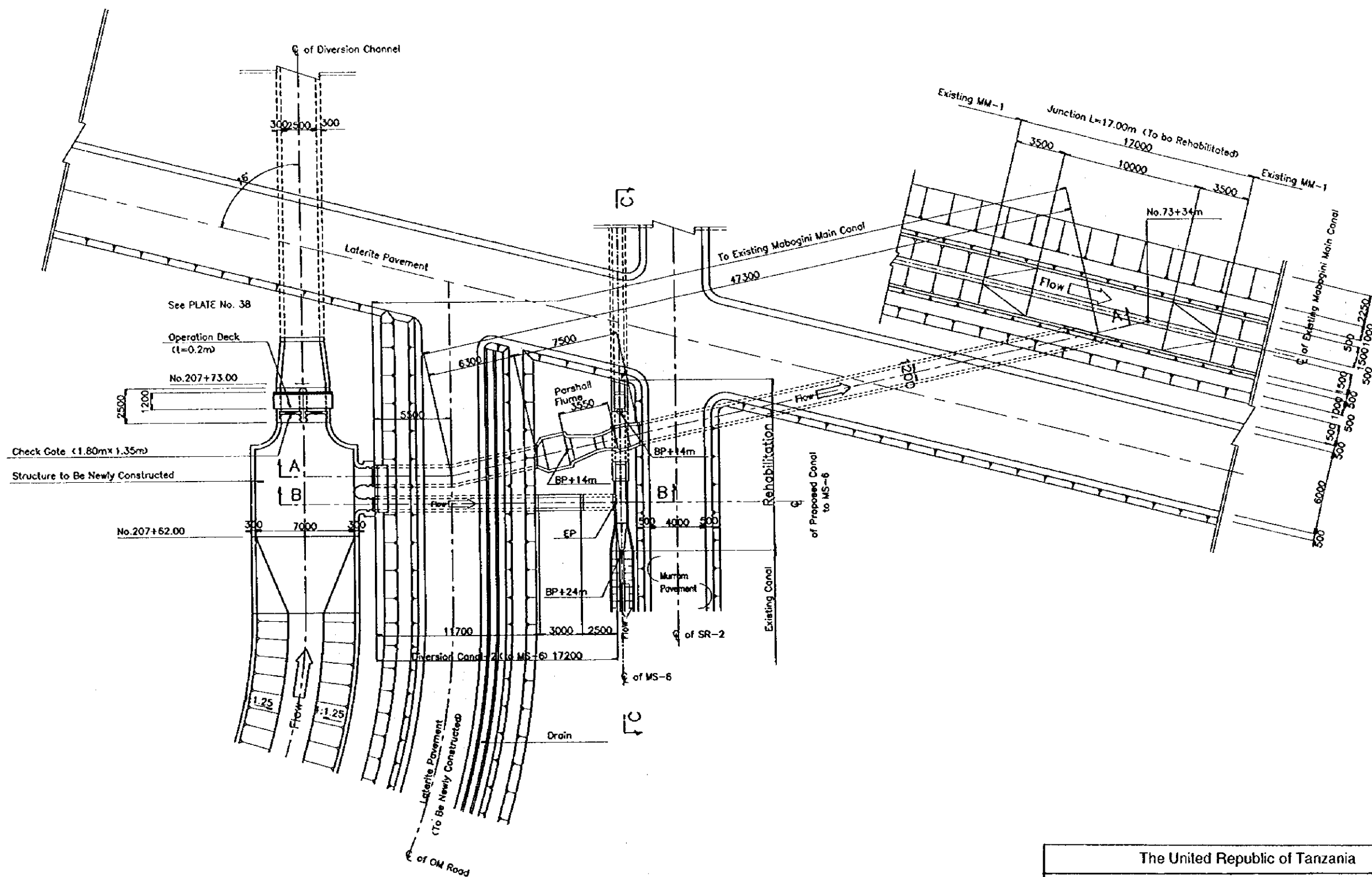


SECTION E-E
SCALE : B



TURNOUT

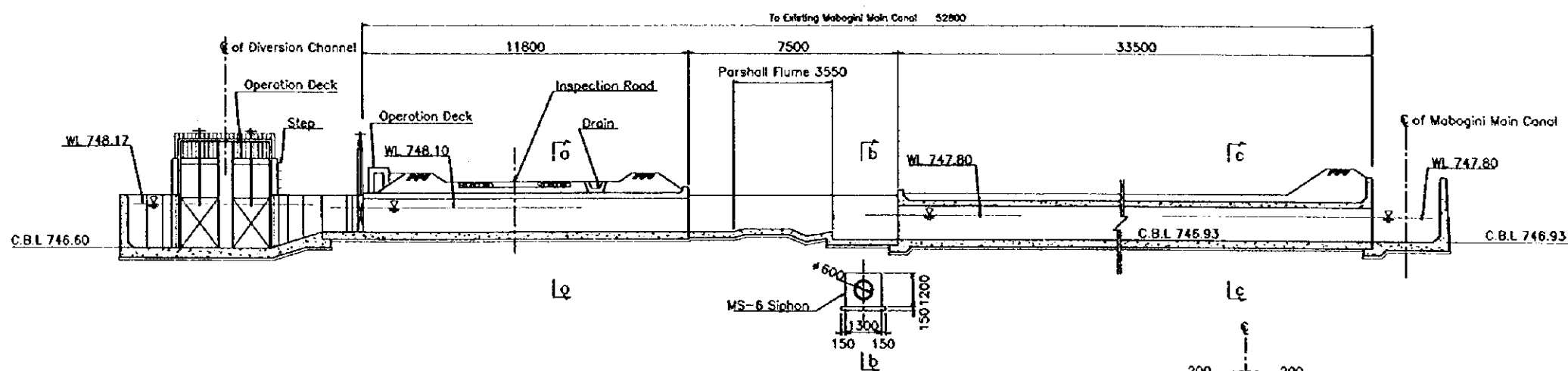
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM Related Structure: Turnout
Japan International Cooperation Agency



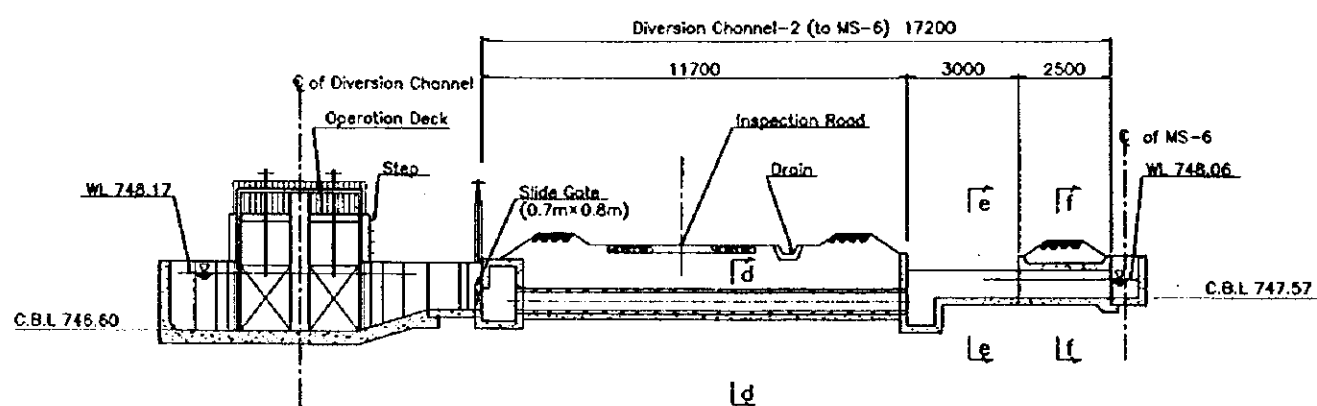
PLAN

SCALE 0 10 20 (m)

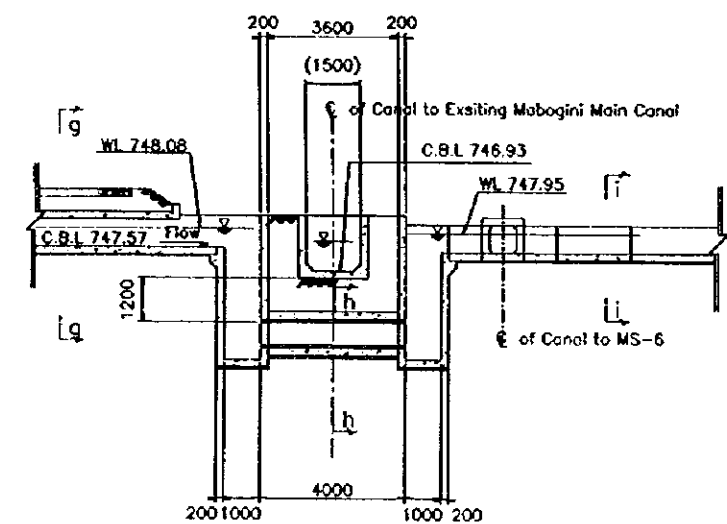
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM Related Structure: Turnout for Existing Mabogini System, Plan
Japan International Cooperation Agency



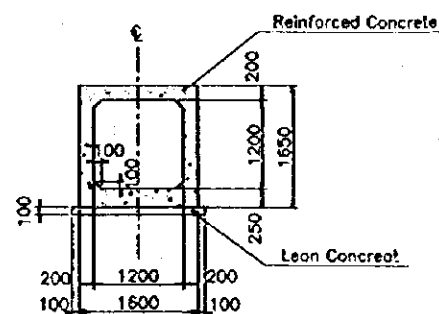
SECTION A-A (To Existing Mabogini Main Canal)
SCALE A



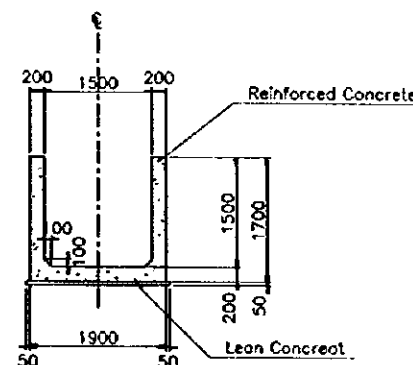
SECTION B-B (To MS-6)
SCALE A



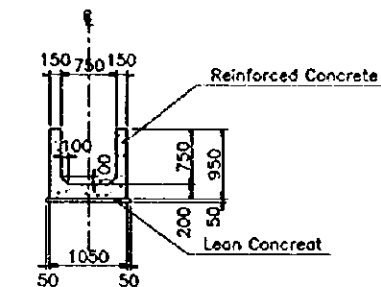
SECTION C-C
SCALE A



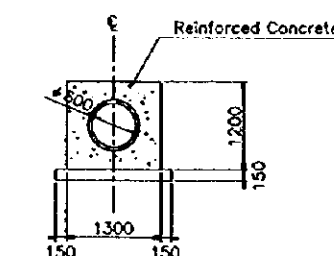
SECTION o-o
SCALE B



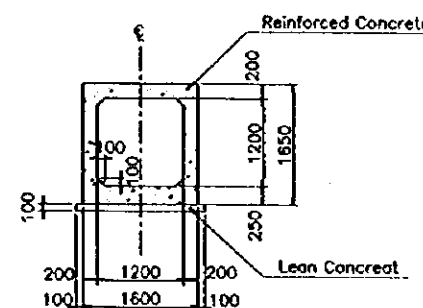
SECTION b-b
SCALE B



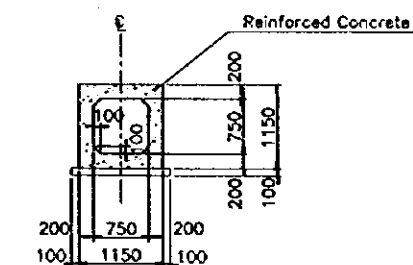
SECTION e-e
SCALE B



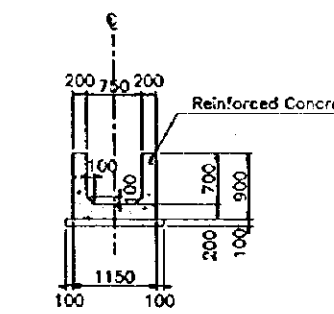
SECTION h-h
SCALE B



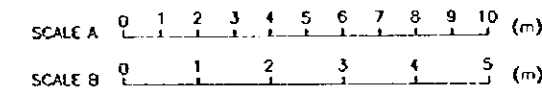
SECTION c-c
SCALE B



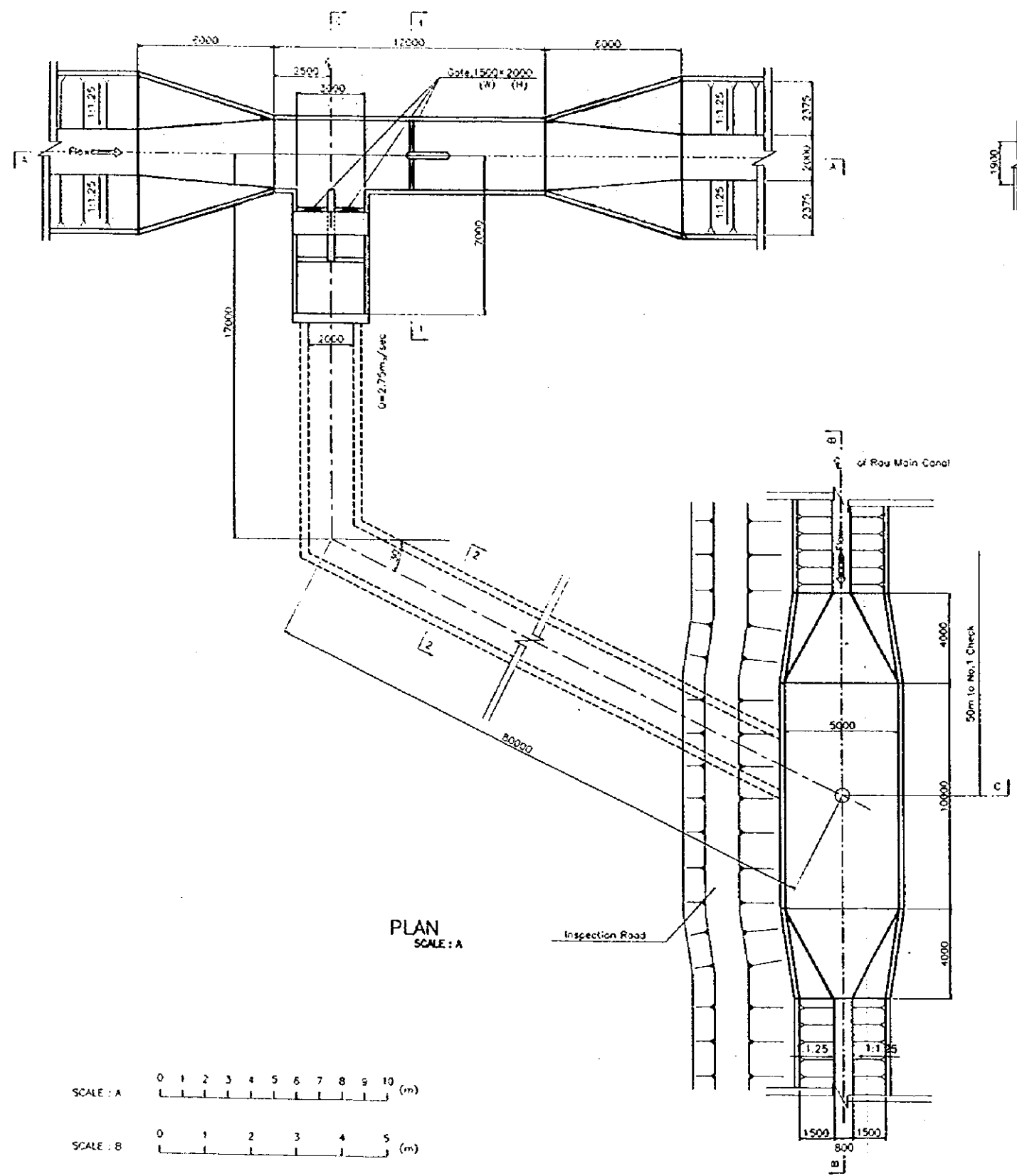
SECTION f-f
SCALE B



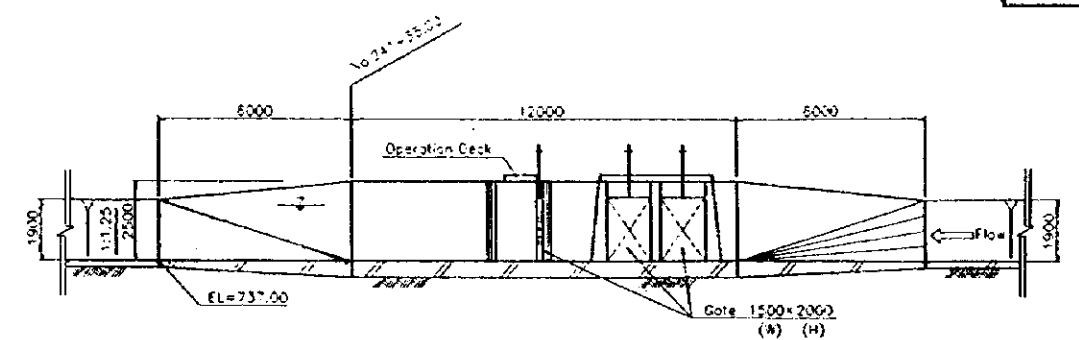
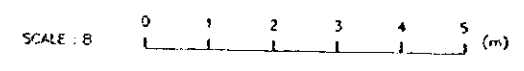
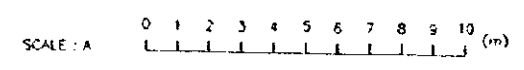
SECTION i-i
SCALE B



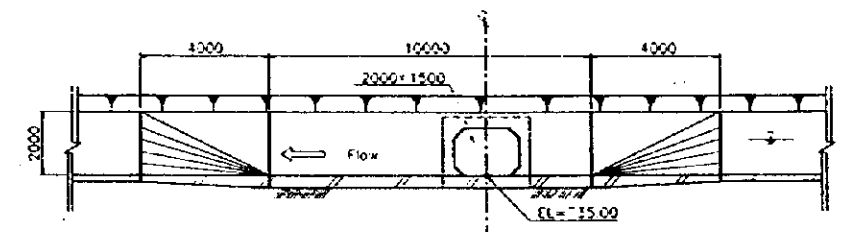
The United Republic of Tanzania	
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project	
Title of Drawing IRRIGATION CANAL SYSTEM Related Structure: Turnout for Existing Mabogini System, Profiles and Sections	
Japan International Cooperation Agency	



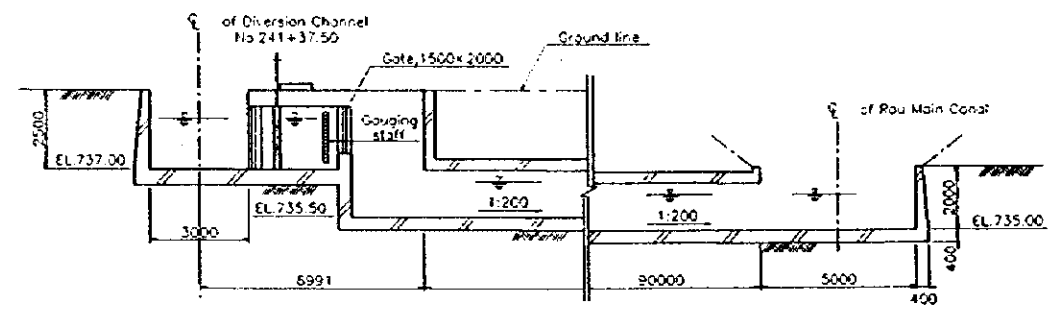
PLAN
SCALE : A



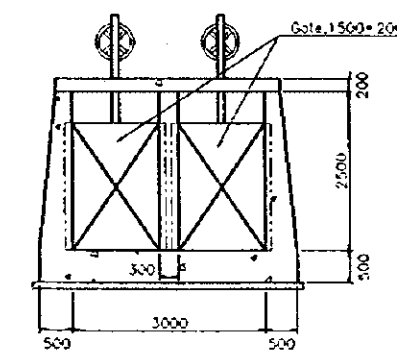
SECTION A-A
SCALE : A



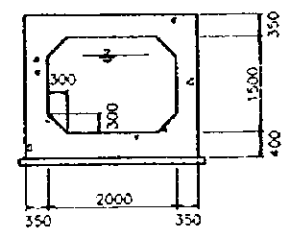
SECTION B-B
SCALE : A



SECTION C-C
SCALE : A

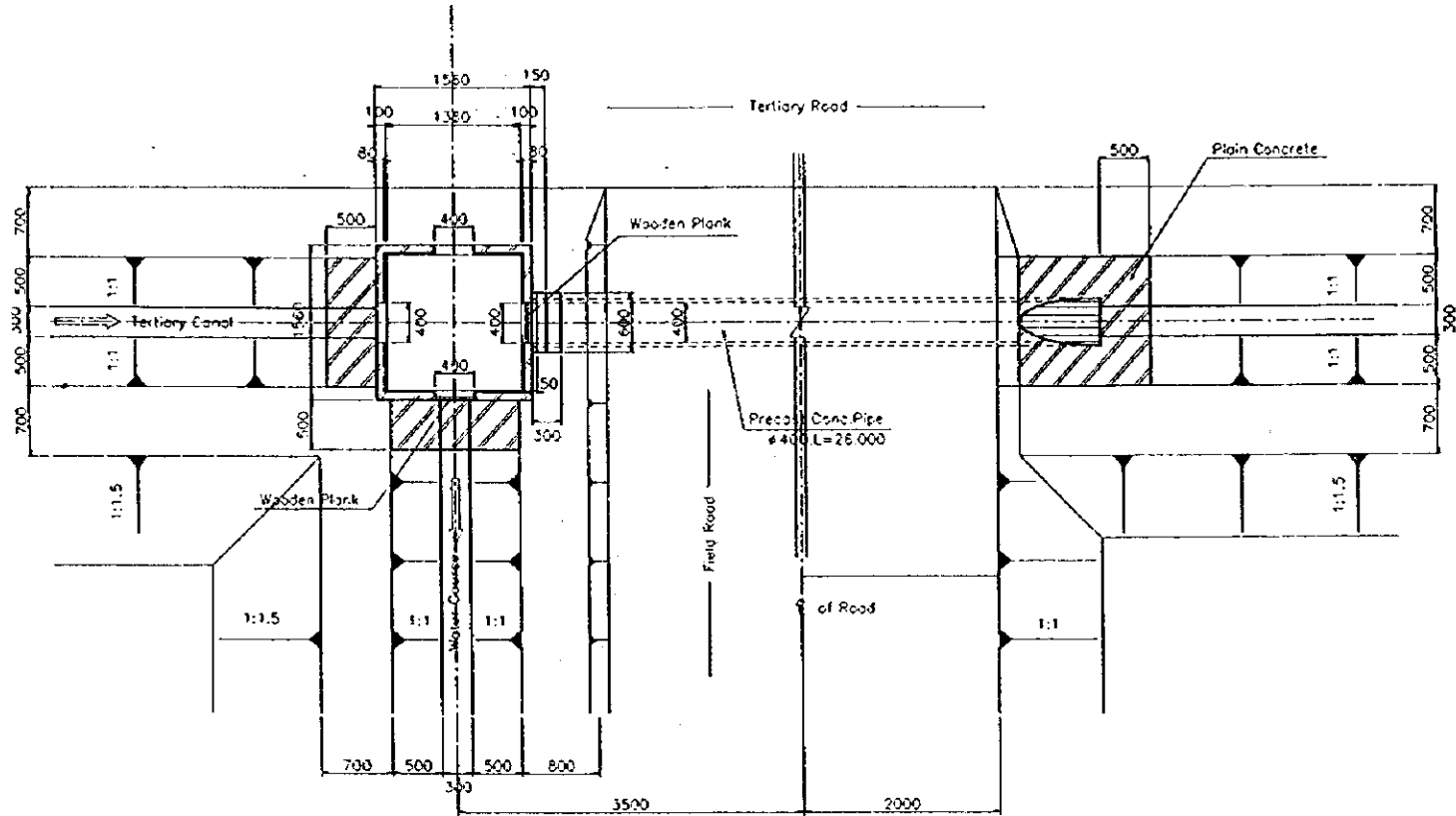


SECTION 1-1
SCALE : B

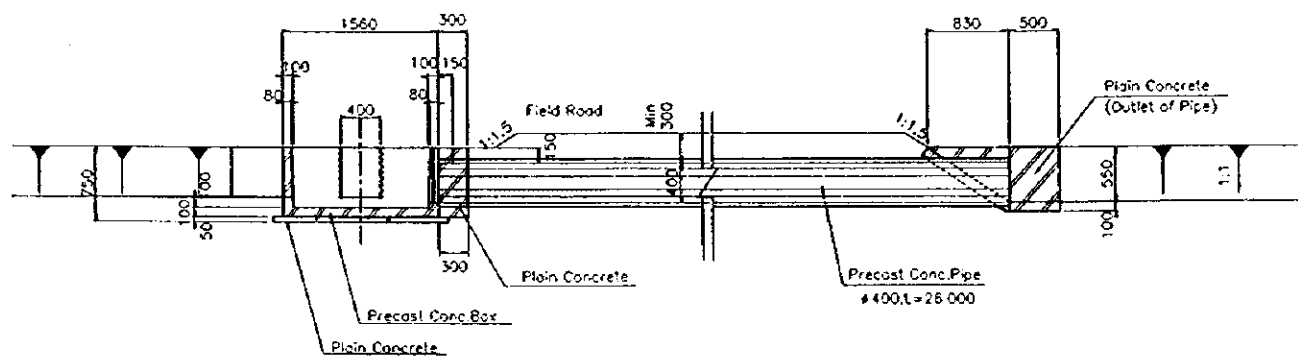


SECTION 2-2
SCALE : B

The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing IRRIGATION CANAL SYSTEM Related Structure: Turnout for Existing Rau System
Japan International Cooperation Agency



PLAN
SCALE : A

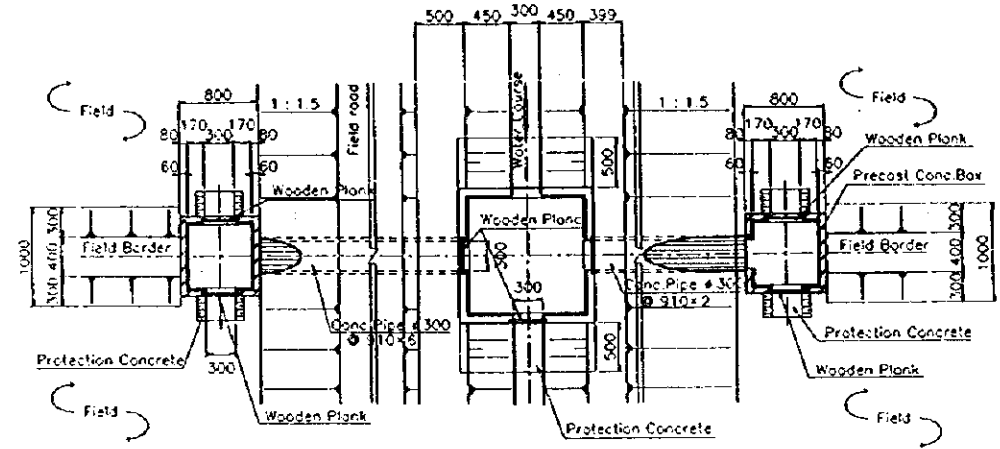


PROFILE
SCALE : A

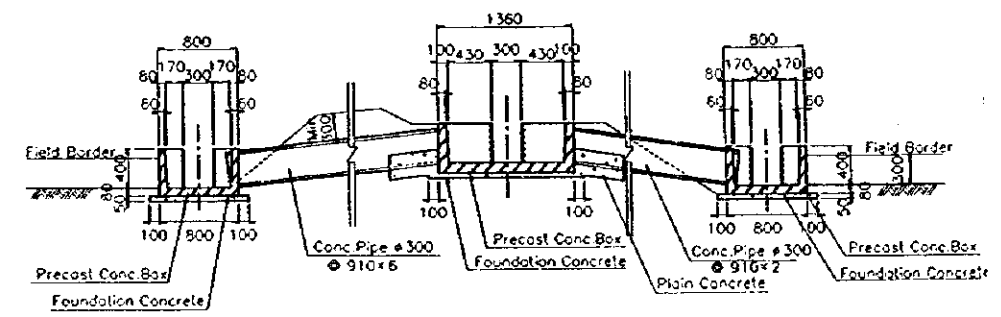
DIVISION BOX, TYPE - A

SCALE A 0 1 2 3 (m)

SCALE B 0 1 2 3 4 (m)



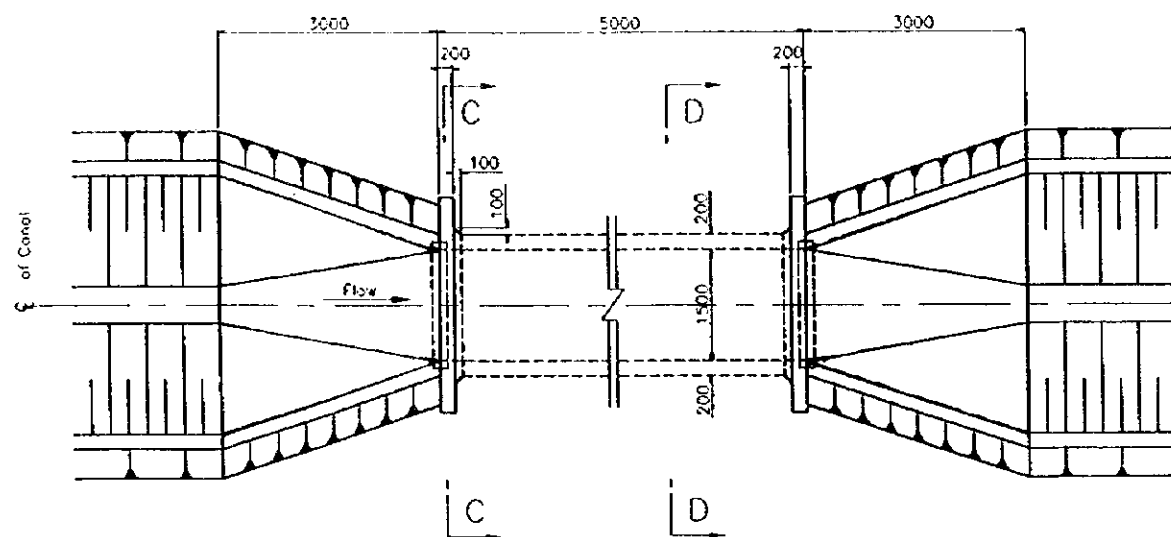
PLAN
SCALE : B



PROFILE
SCALE : A

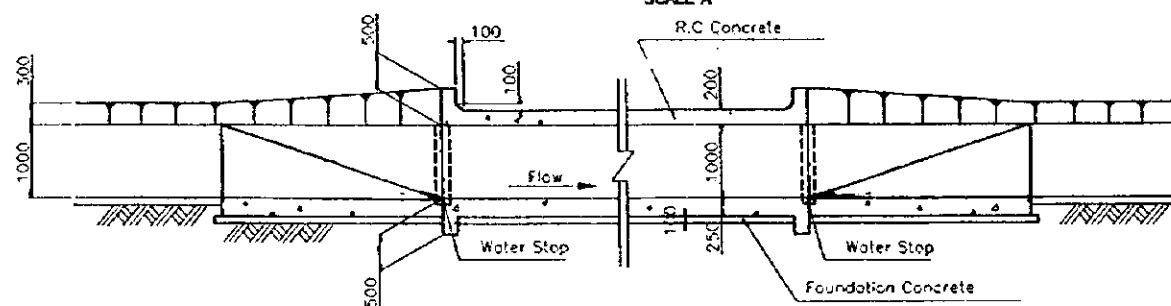
DIVISION BOX, TYPE - B

The United Republic of Tanzania	
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project	
Title of Drawing IRRIGATION CANAL SYSTEM Related Structure: Type-A and Type-B for Division Box	
Japan International Cooperation Agency	



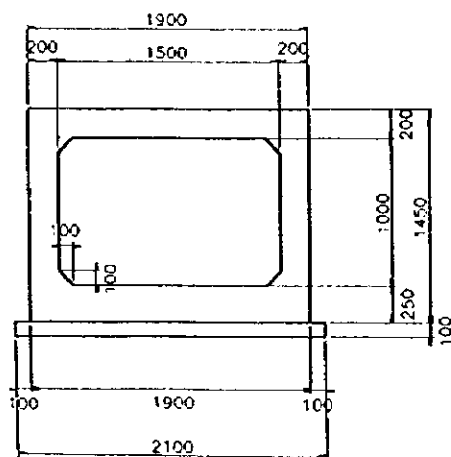
PLAN

SCALE A



PROFILE

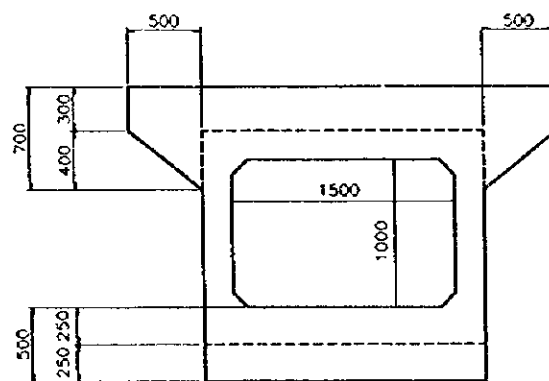
SCALE A



SECTION D-D

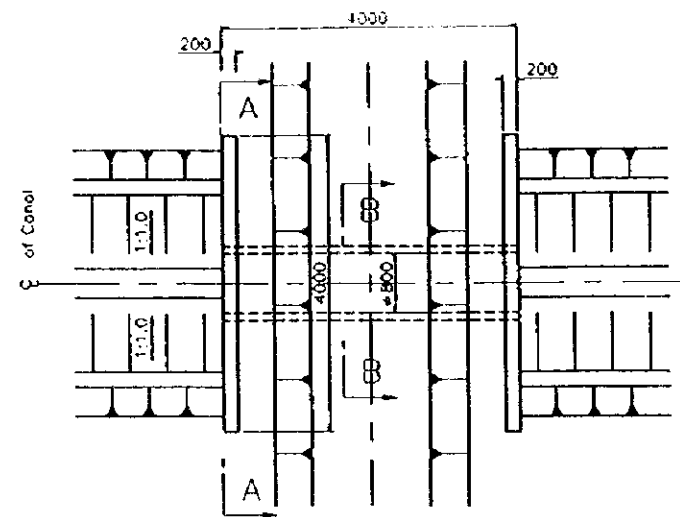
SCALE B

**TYPE-A
BOX CULVERT**



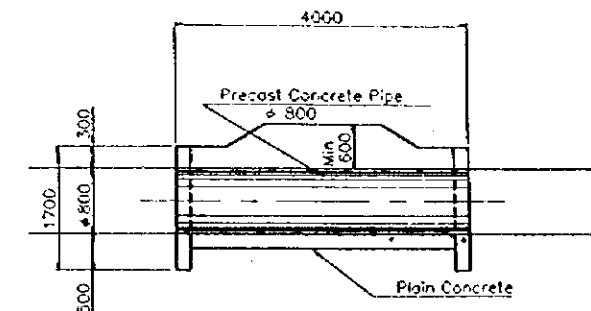
SECTION C-C

SCALE B



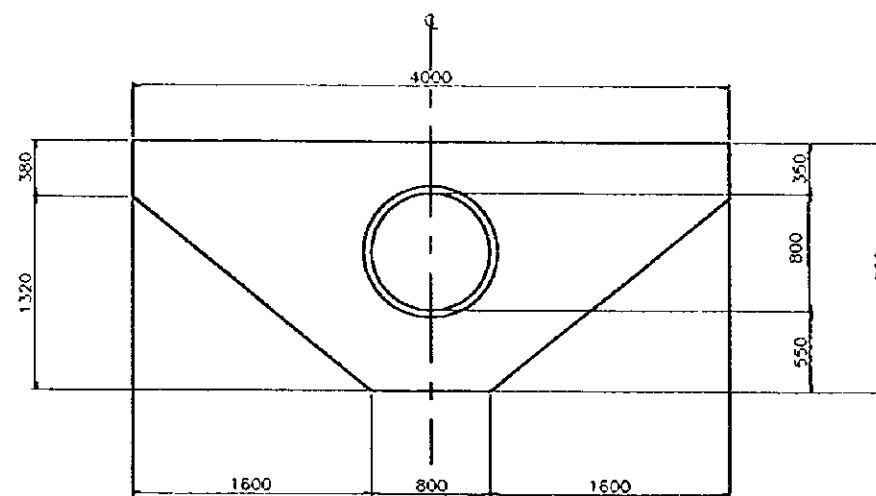
PLAN

SCALE A



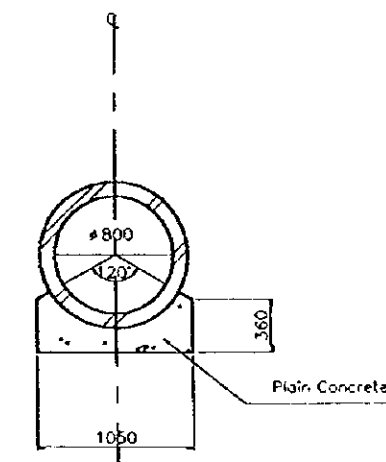
PROFILE

SCALE A



SECTION A-A

SCALE B



SECTION B-B

SCALE B

**TYPE-B
PIPE CULVERT**

SCALE A 0 1 2 3 4 5 (m)

SCALE B 0 1 2 2.5 (m)

The United Republic of Tanzania

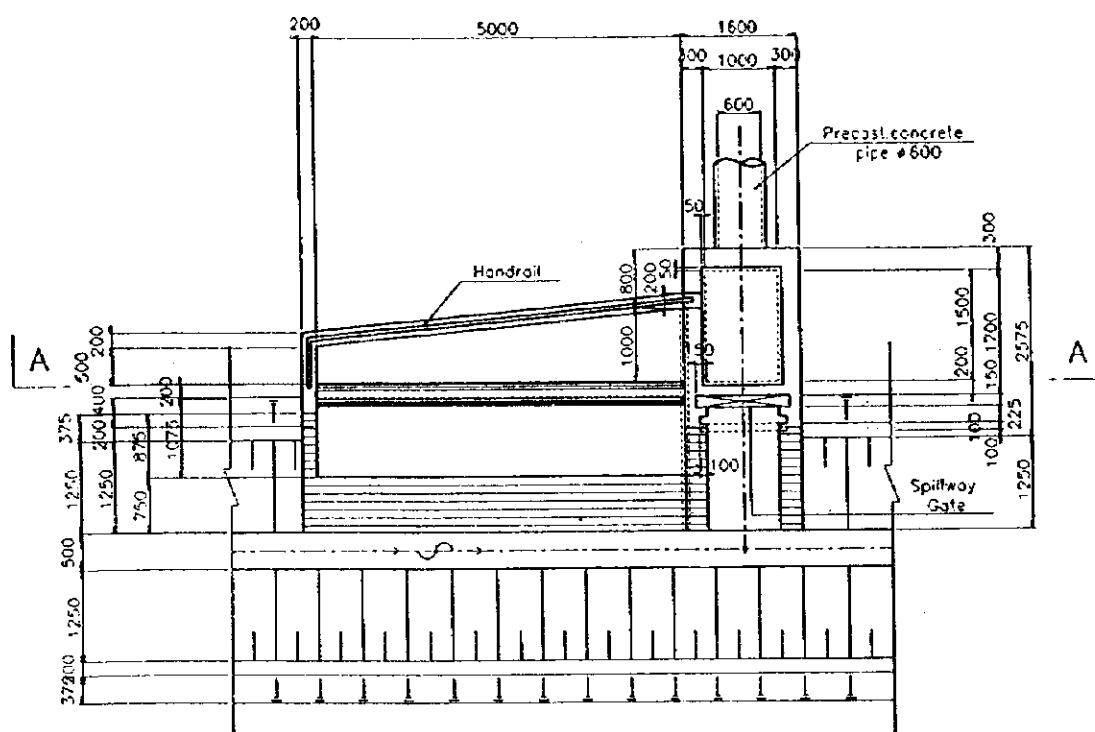
The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing

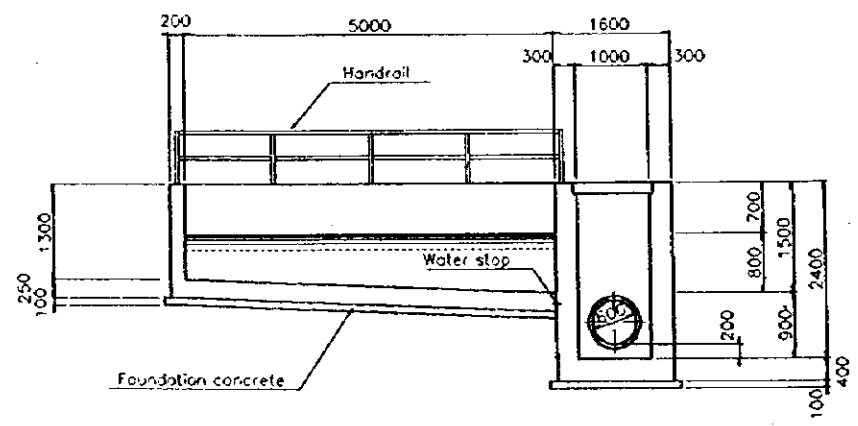
IRRIGATION CANAL SYSTEM

Related Structure: Type-A and Type-B for Culvert

Japan International Cooperation Agency



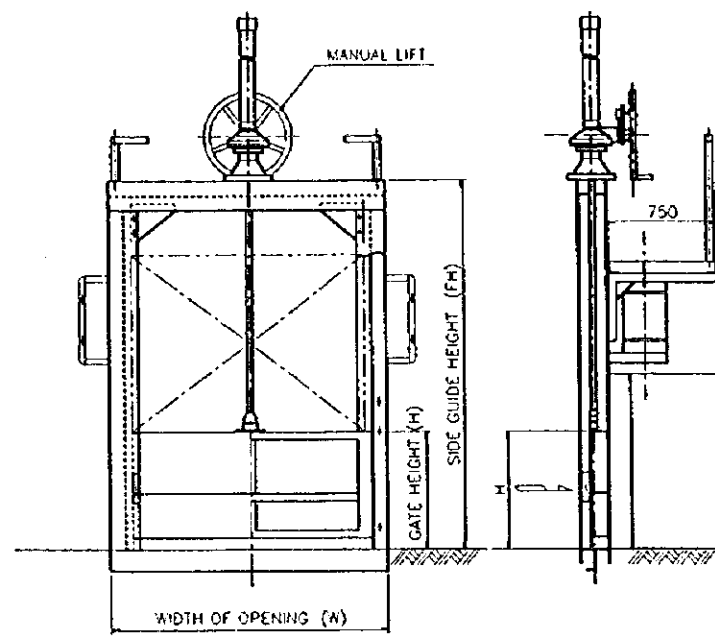
PLAN



SECTION A-A

SPILLWAY

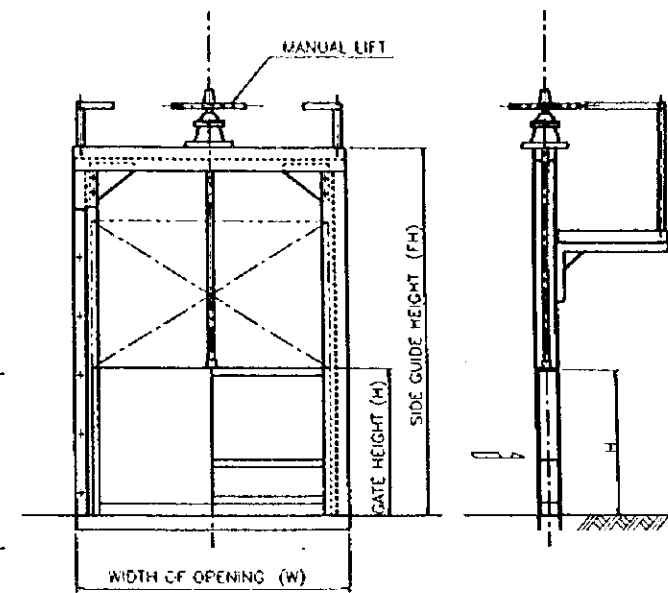
Not to scale



FRONTVIEW

SECTION

SLIDE GATE - TYPE A -



FRONTVIEW

SECTION

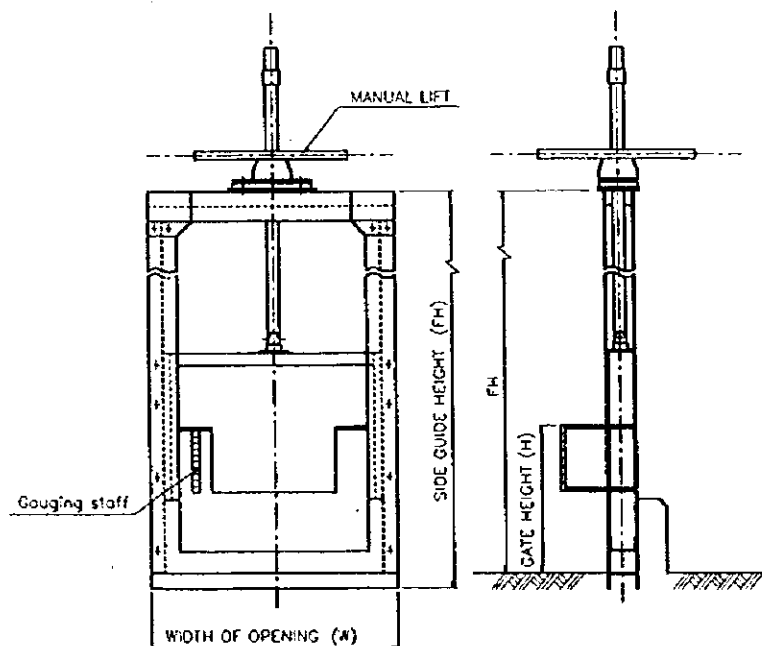
SLIDE GATE - TYPE B -

CHECK GATE

TYPE	W	H	FH
A	1,500	1,000	2,500
A	1,000	1,000	2,500
B	900	1,000	2,500
B	800	900	2,300
B	700	700	1,900
B	600	700	1,900
B	500	600	1,700
B	500	400	1,300
B	400	600	1,700
B	400	400	1,300
B	300	600	1,700
B	300	400	1,300

TURNOUT GATE

TYPE	W	H	b	d	o	FH
T-07	700	700	500	300	400	1,500
T-10	1,000	700	800	300	400	1,500
T-12	1,200	850	1,000	350	500	2,000
T-14	1,400	1,050	1,200	450	500	2,000



FRONTVIEW

SECTION

SLIDE GATE - TYPE T -

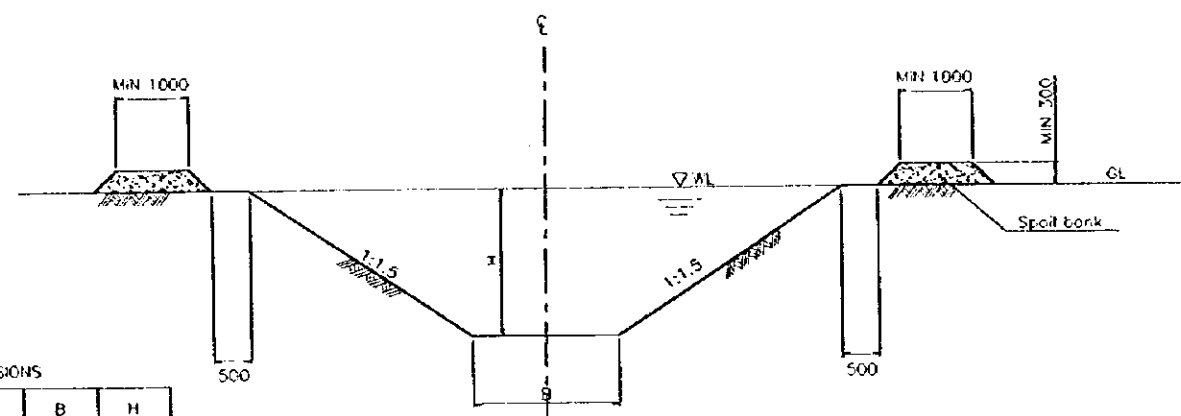
The United Republic of Tanzania

The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

Title of Drawing
IRRIGATION CANAL SYSTEM

Related Structure: Spillway and Metal Works

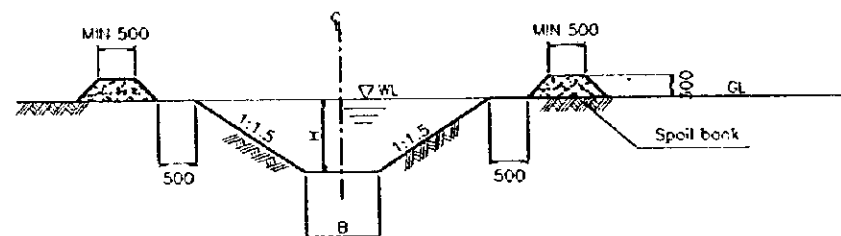
Japan International Cooperation Agency



DIMENSIONS

TYPE	B	H
F9	7,000	1,000
F8	6,000	1,000
F7	5,000	1,000
F6	2,000	2,000
F5	1,500	1,500

DRAINAGE CANAL

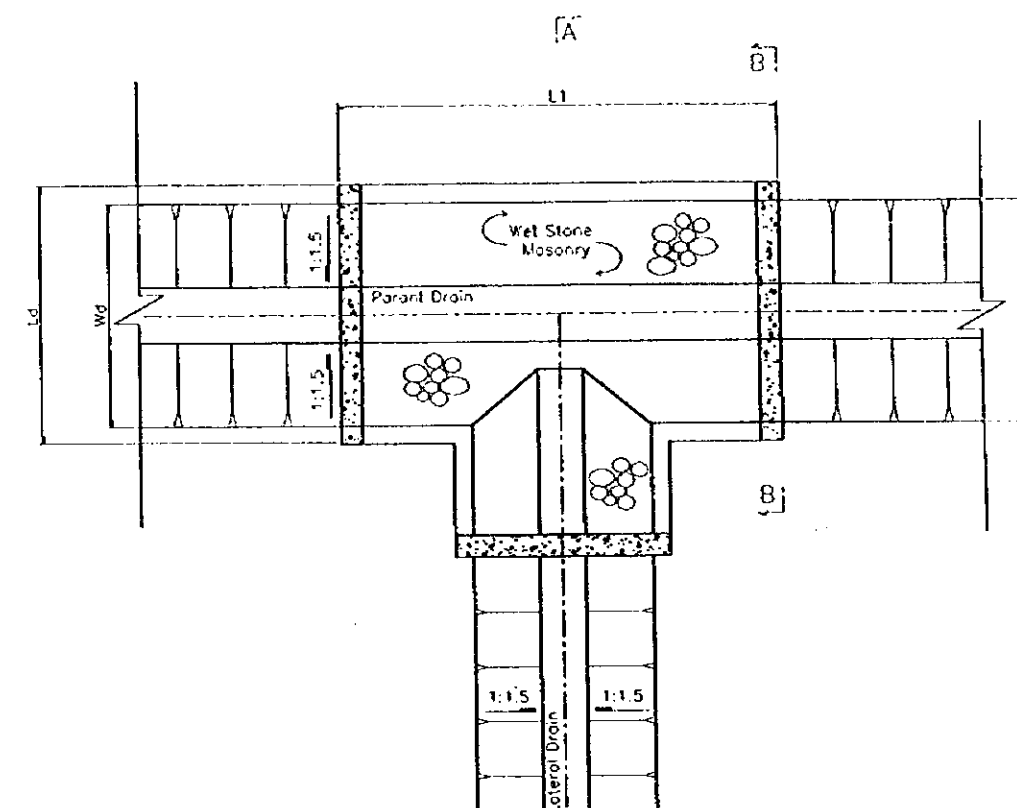


DIMENSIONS

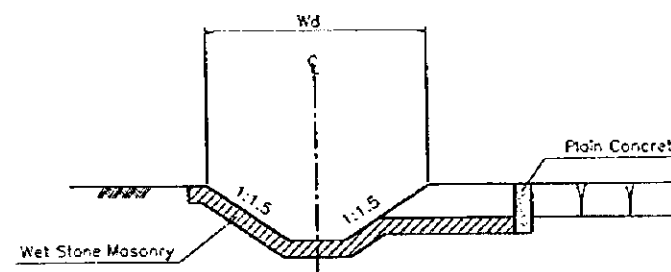
TYPE	B	H
F4	1,200	1,200
F3	1,000	1,000
F2	800	800
F1	600	600

TYPICAL CROSS SECTION OF DRAINAGE CANAL

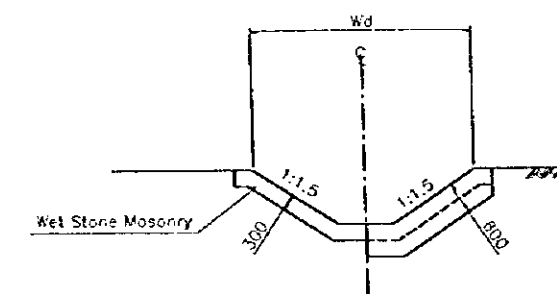
Not to scale



PLAN



SECTION A-A

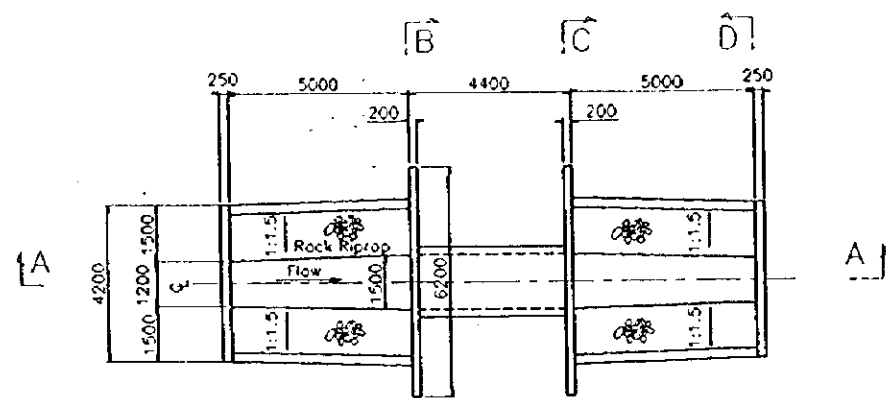


SECTION B-B

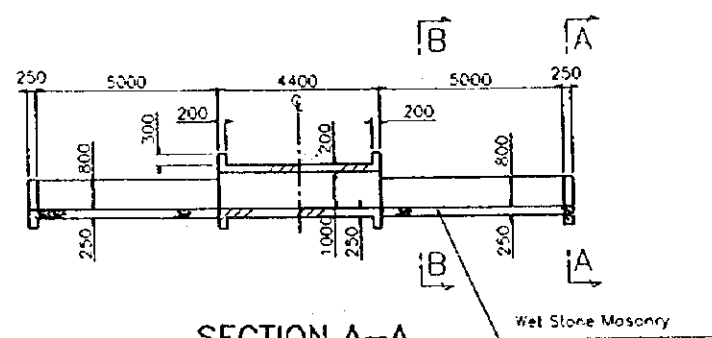
DRAINAGE JUNCTION

Not to scale

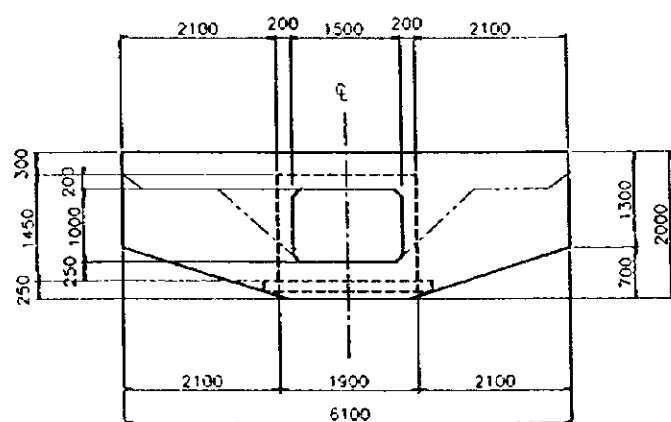
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DRAINAGE CANAL SYSTEM
Typical Cross Sections and Junction Structure
Japan International Cooperation Agency



PLAN
SCALE A



SECTION A-A
SCALE A

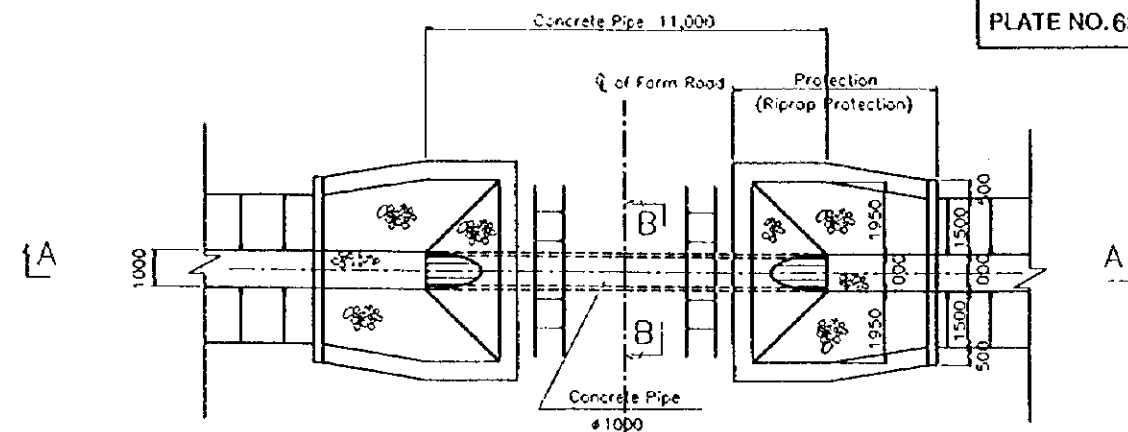


SECTION B-B
SCALE B

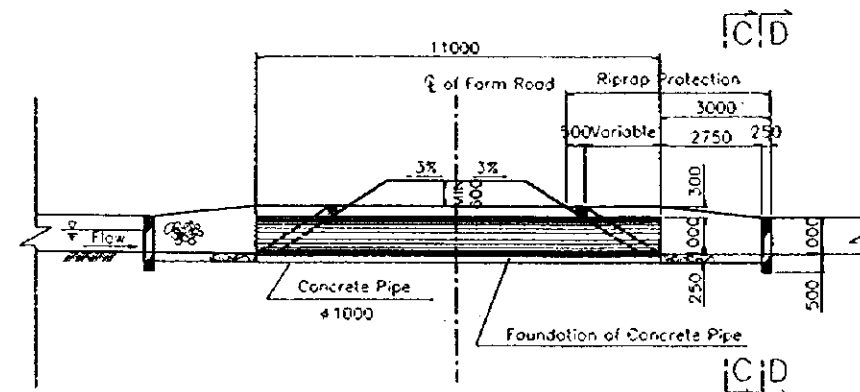
DRAINAGE CULVERT : TYPE-A

SCALE A 0 1 2 3 4 5 6 7 8 9 10 (m)

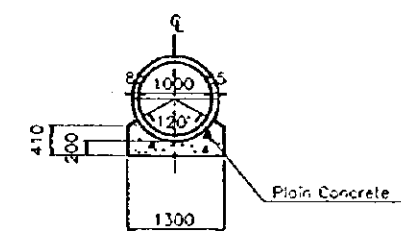
SCALE B 0 1 2 3 4 5 (m)



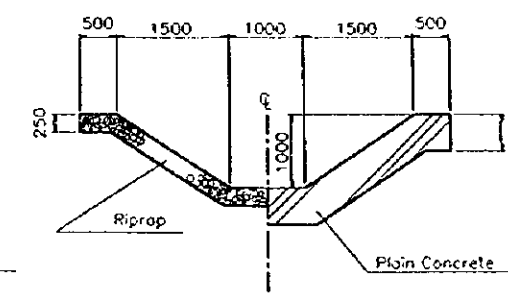
PLAN
SCALE A



SECTION A-A
SCALE A



SECTION B-B
SCALE B



SECTION C-C
SCALE B

SECTION D-D
SCALE B

DRAINAGE CULVERT : TYPE-B

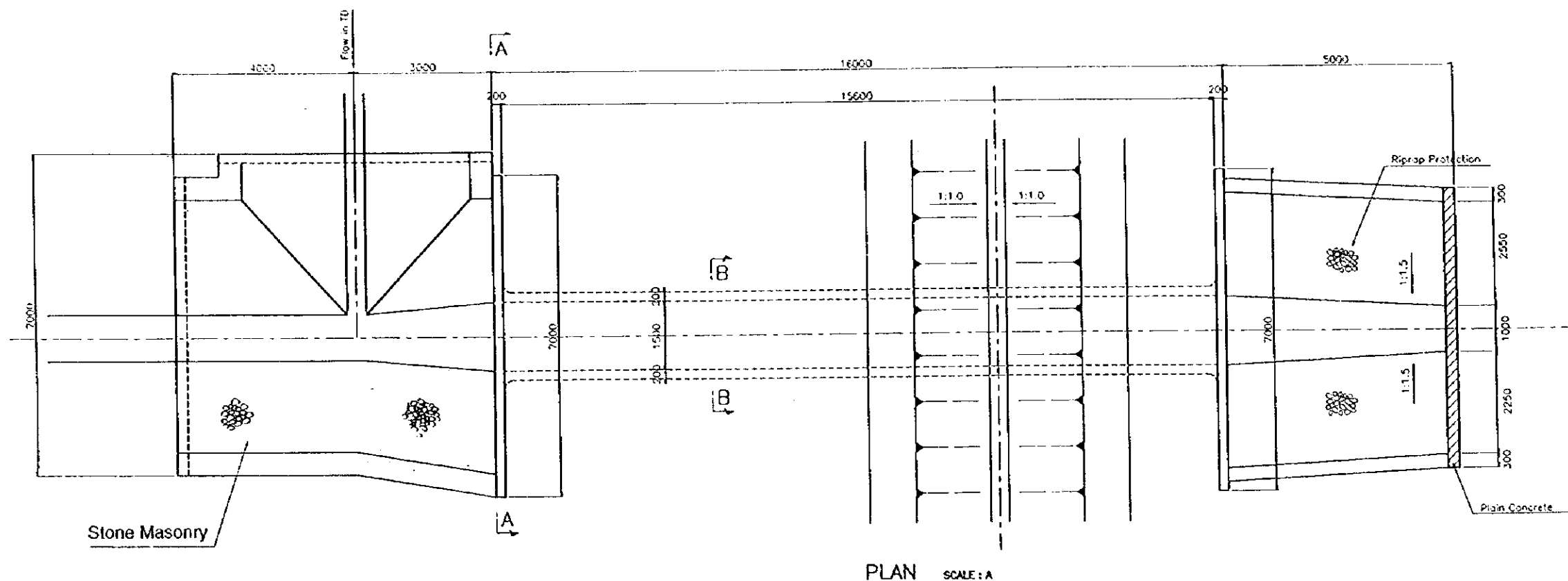
The United Republic of Tanzania

The Feasibility Study
on
Lower Moshi Integrated Agriculture
and
Rural Development Project

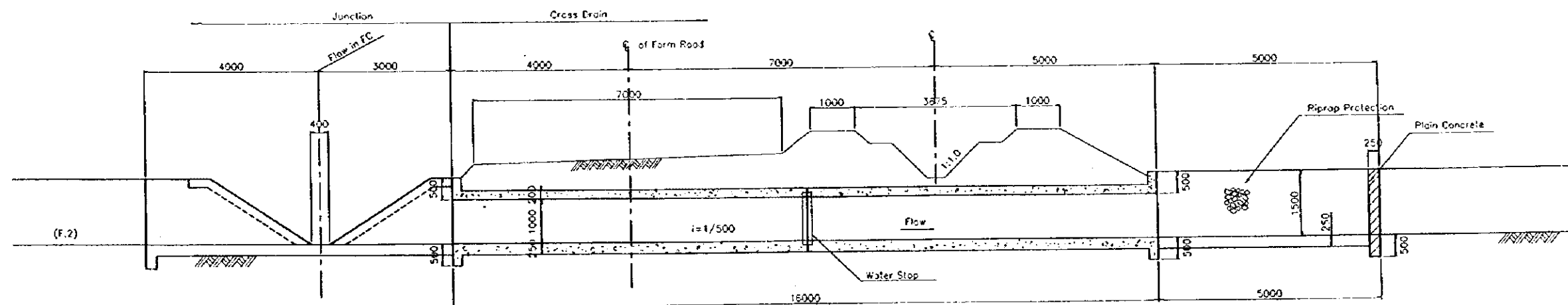
Title of Drawing
DRAINAGE CANAL SYSTEM

Type-A and Type-B for Drainage Culvert

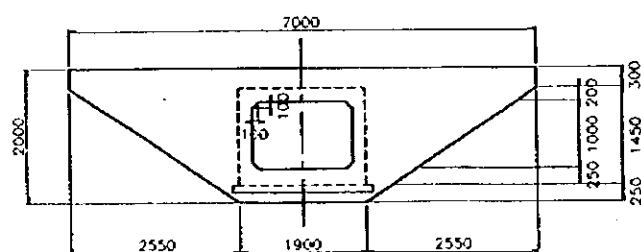
Japan International Cooperation Agency



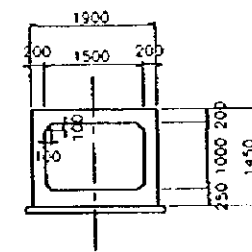
PLAN SCALE: A



PROFILE SCALE: A



SECTION A-A SCALE: A

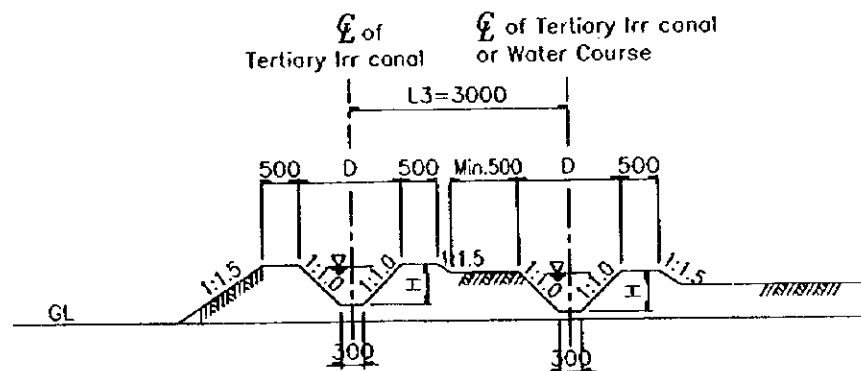
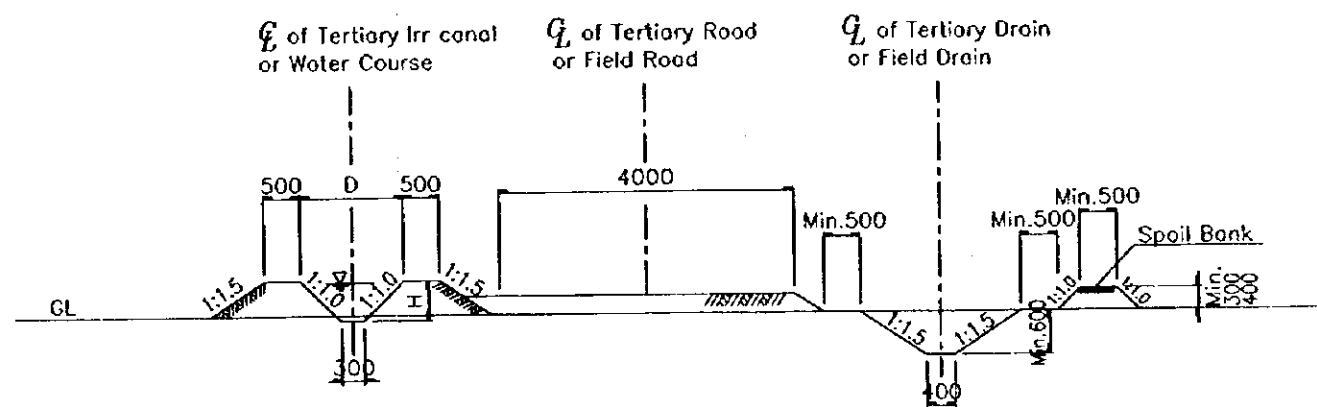
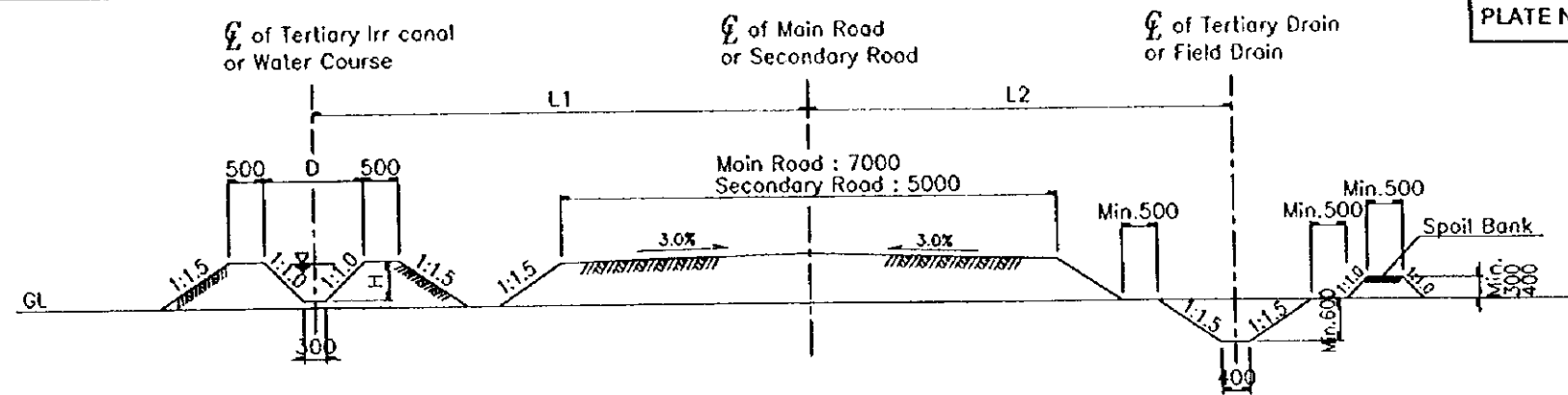


SECTION B-B SCALE: A

SCALE A 0 1 2 3 4 5 (m)

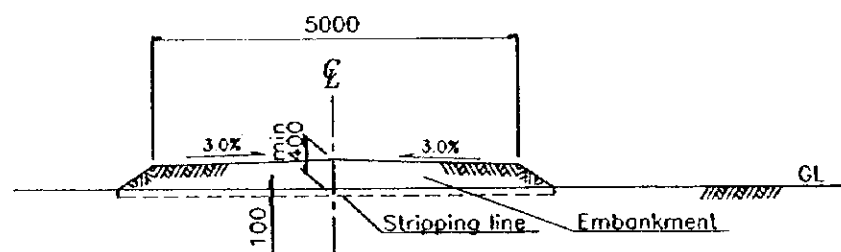
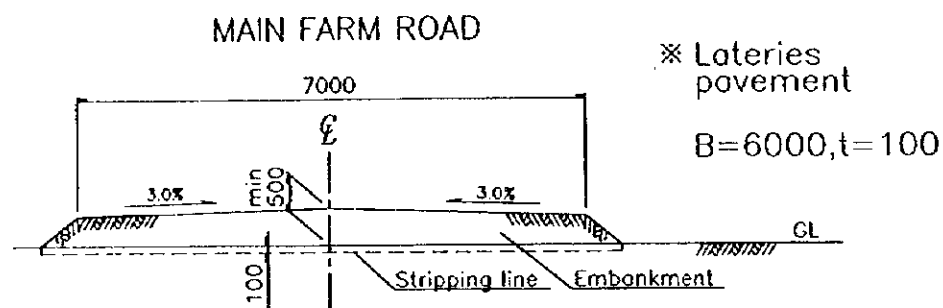
CROSS DRAIN (TYPICAL)

The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing DRAINAGE CANAL SYSTEM
Cross Drain
Japan International Cooperation Agency



DIMENSIONS

CANAL TYPE	H	D
E1	550	1,400
E2	450	1,200
E3	350	1,000



TYPICAL CROSS SECTION

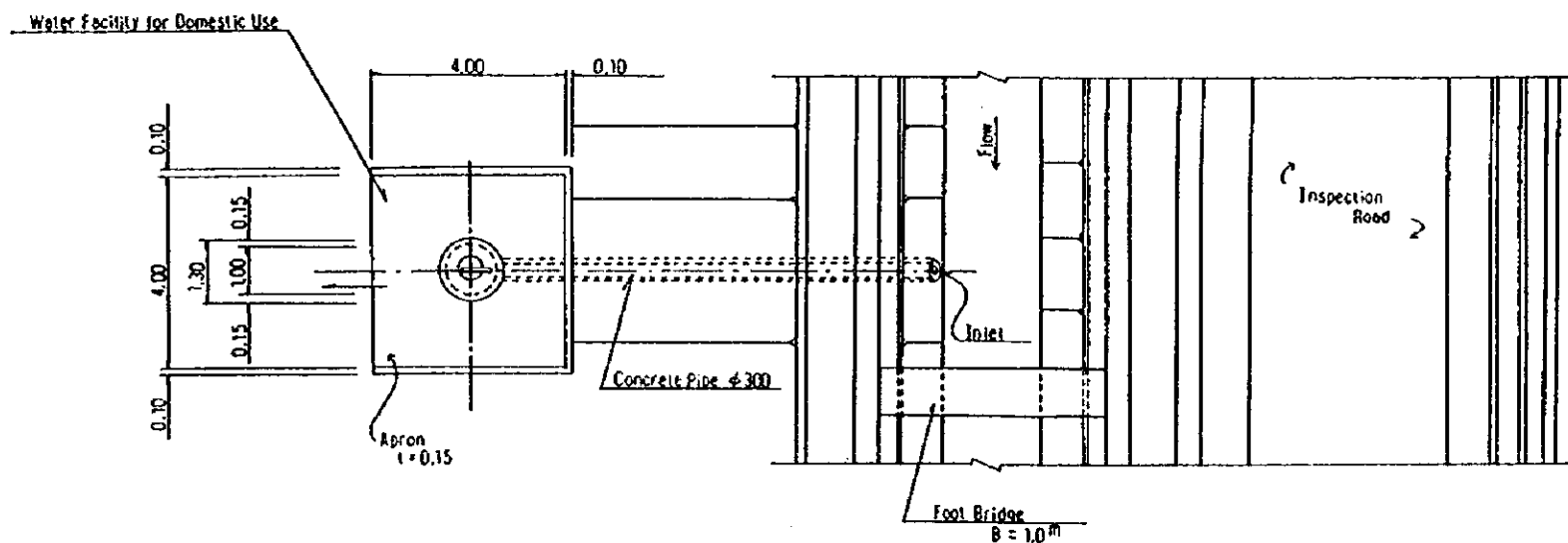
Canal/Drain	Road	Main Road	Secondary Road	Tertiary Road	Field Drain
L1	Tertiary Irr canal	7000	6000	4000	4000
	Water Course	7000	6000	3500	3500
L2	Tertiary Road	7000	5500	4500 or 5000	4500 or 5000
	Field Drain	7000	5500	4500 or 5000	4500 or 5000

Canal/Drain	Canal	Main Irr Canal	Secondary Irr. Canal	Tertiary Irr. Canal	Water Course
L3	Tertiary Irr canal	9000	5500	3000	3000
	Water Course	9000	5500	3000	3000

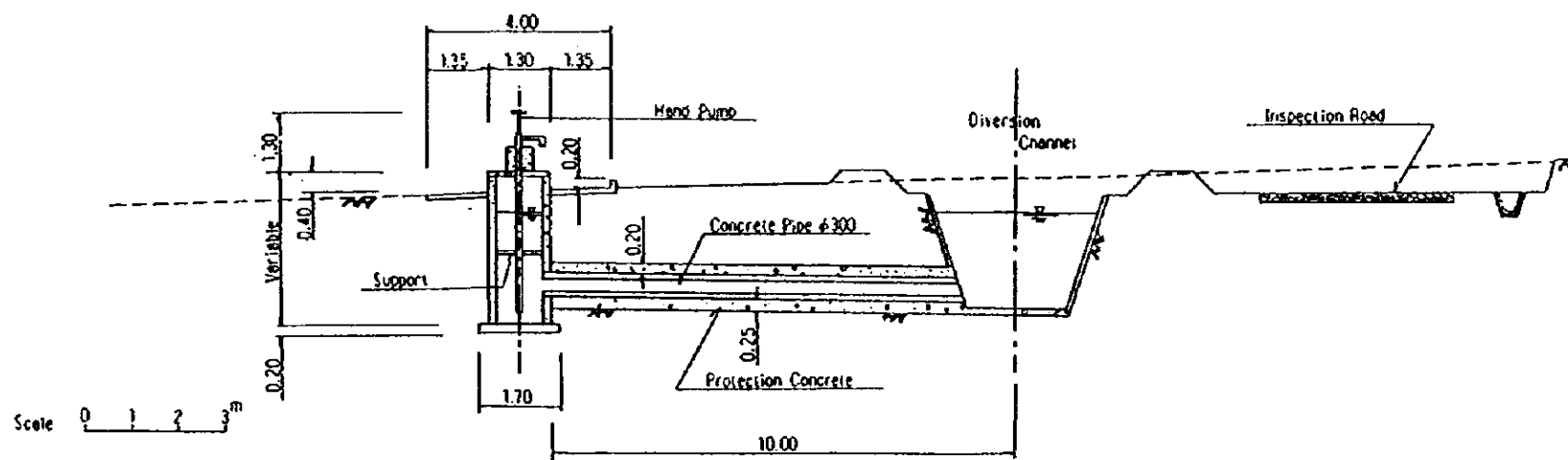
ARRANGEMENT OF FARM ROAD AND CANALS

The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing FARM ROAD
Typical Cross Sections
Japan International Cooperation Agency

PLAN

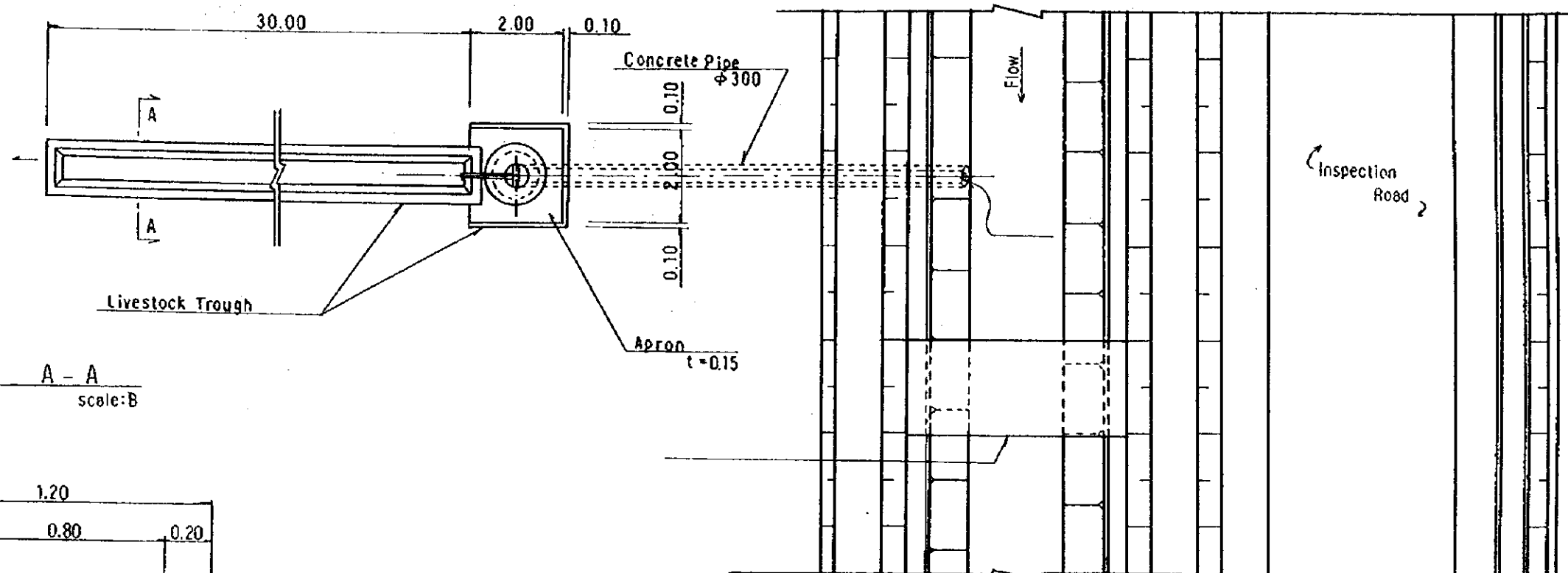


PROFILE

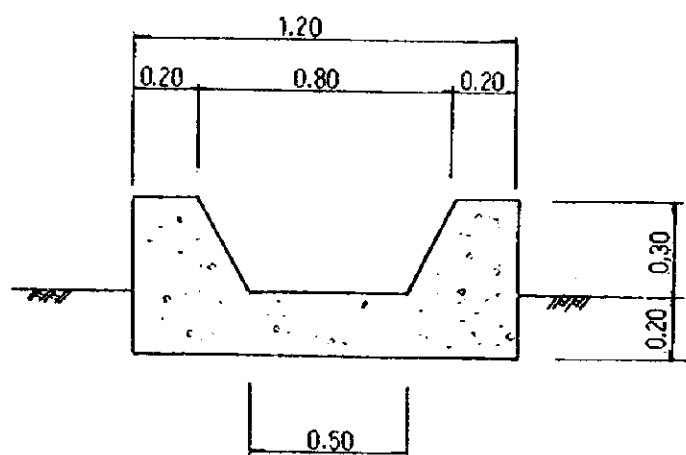


The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing RURAL INFRASTRUCTURE Water Facility for Domestic Use
Japan International Cooperation Agency

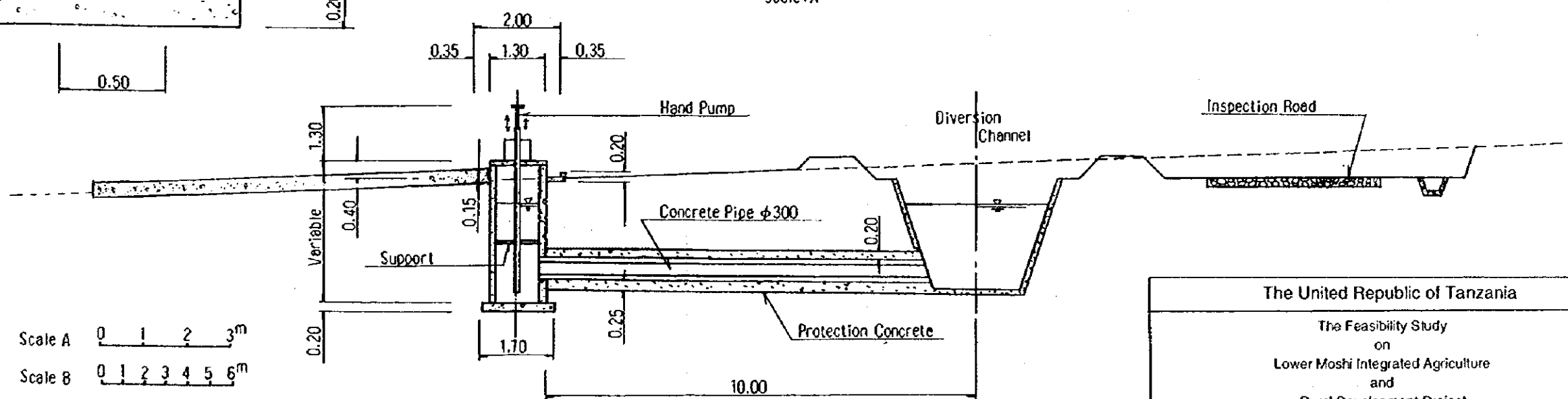
PLAN
scale:A



A - A
scale:B

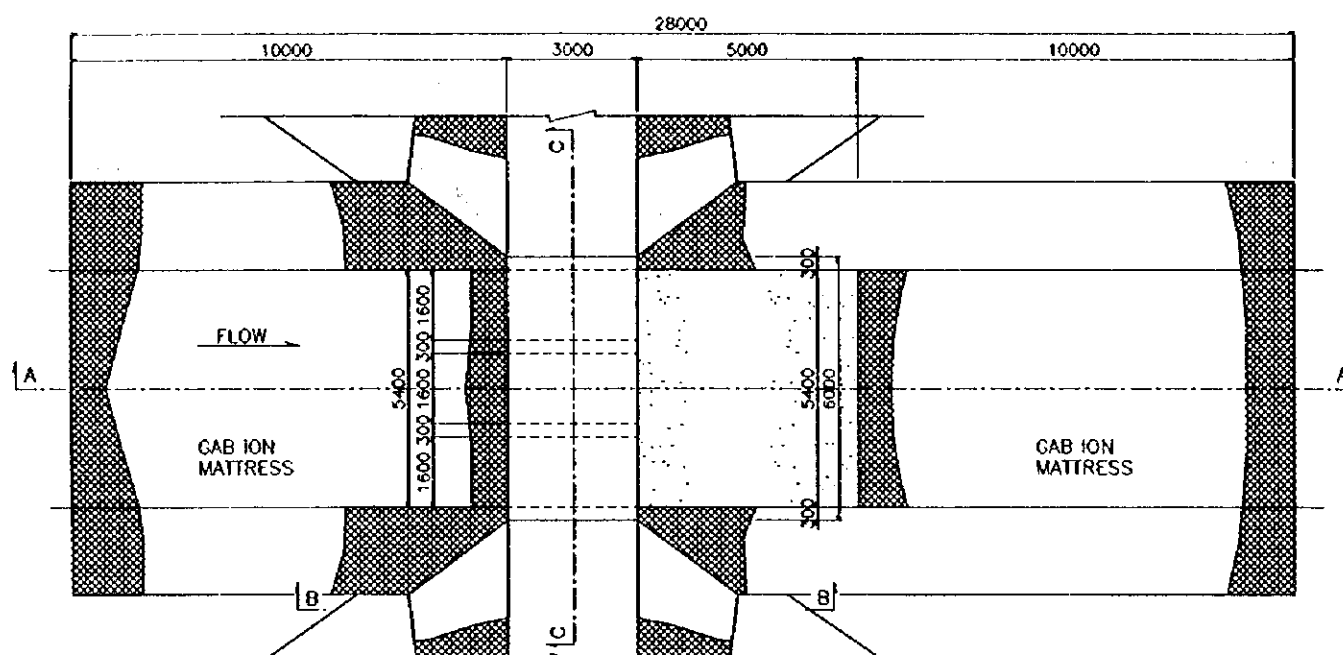


PROFILE
scale:A

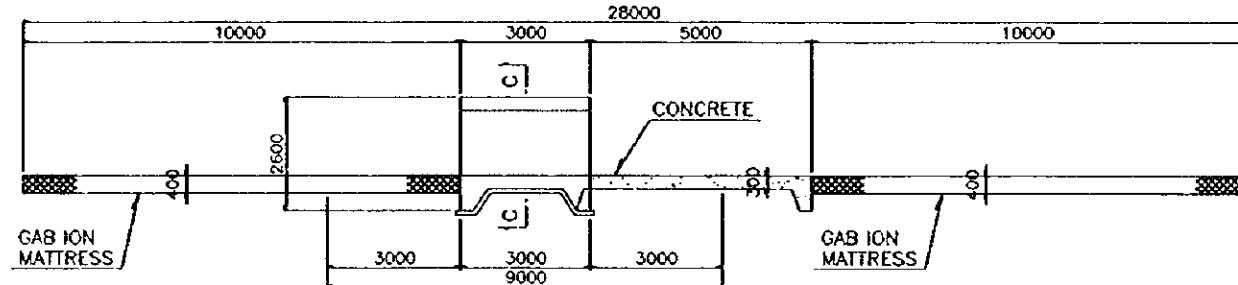


Scale A 0 1 2 3m
Scale B 0 1 2 3 4 5 6m

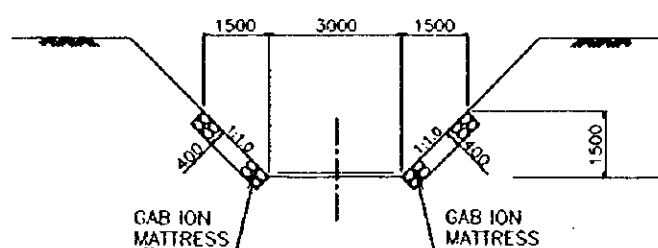
The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing RURAL INFRASTRUCTURE
Livestock Trough
Japan International Cooperation Agency



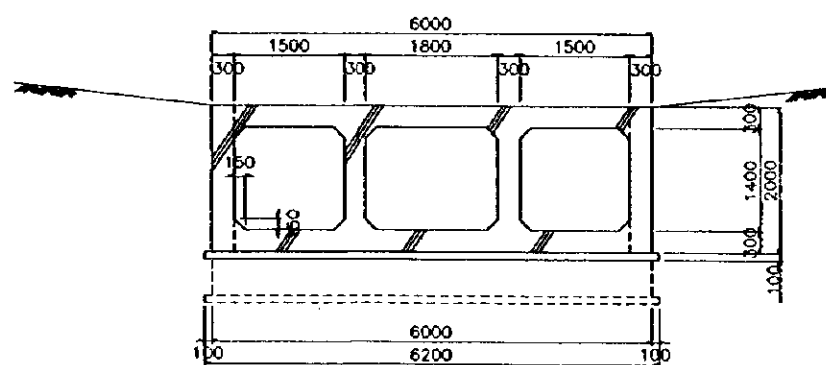
PLAN SCALE A



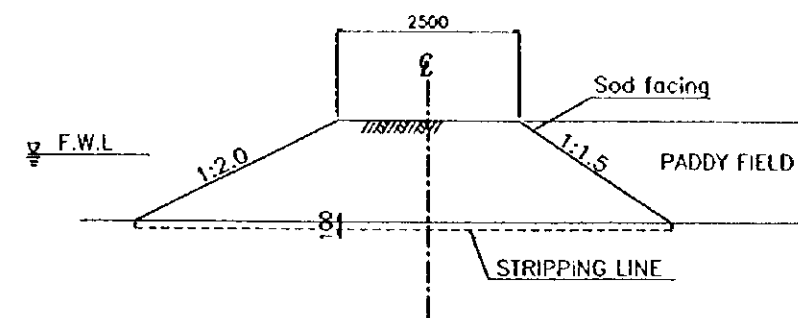
SECTION A-A SCALE A



SECTION B-B SCALE A



SECTION C-C SCALE B



TYPICAL CROSS SECTION OF FLOOD DIKE ON MANDAKA MNONO AREA

NOT TO SCALE

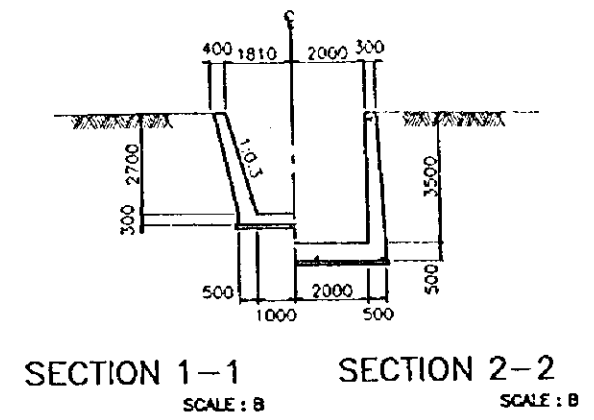
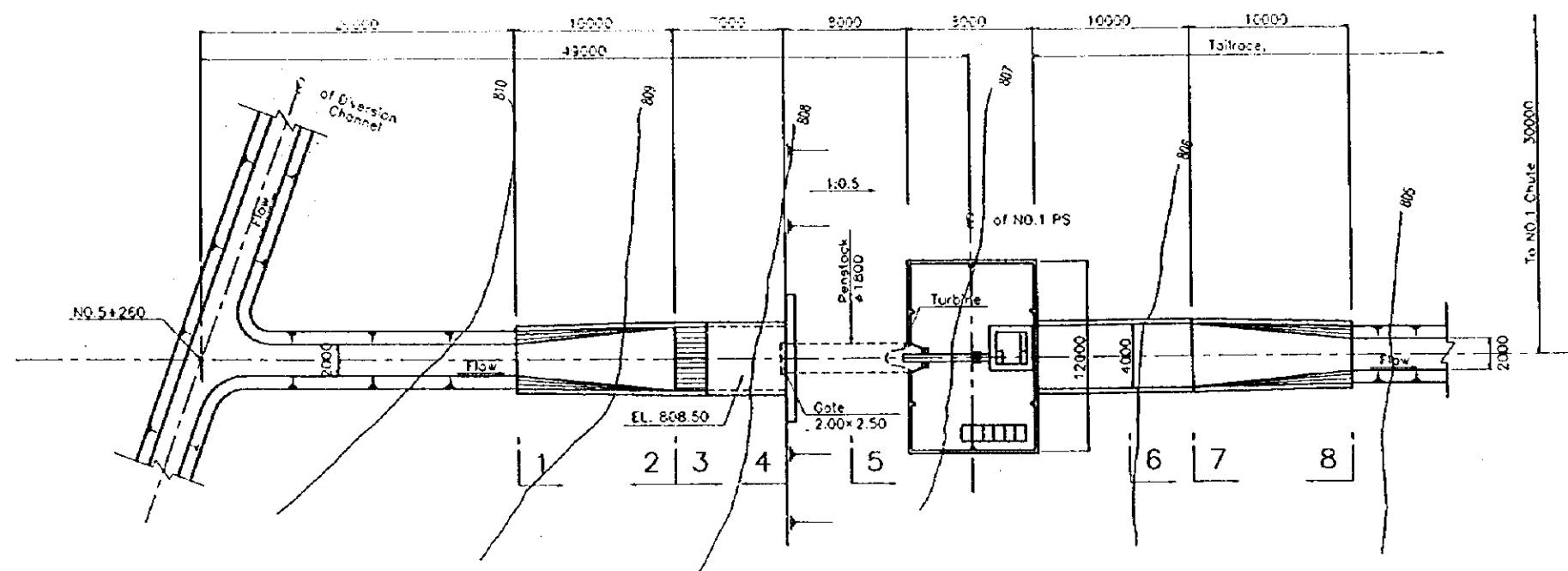
Dimension Table

Location	Length(km)	Height(km)
Left side	7.7	1.0
Right side	8.4	0.3~2.3

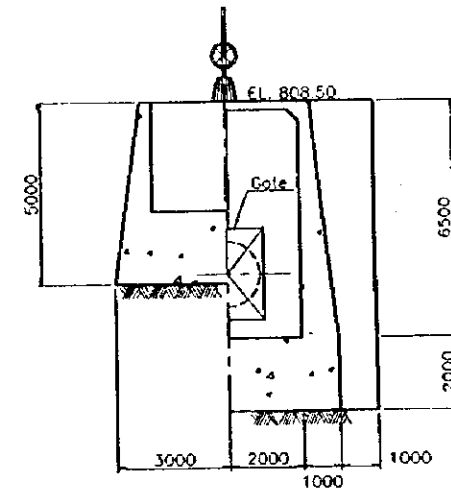
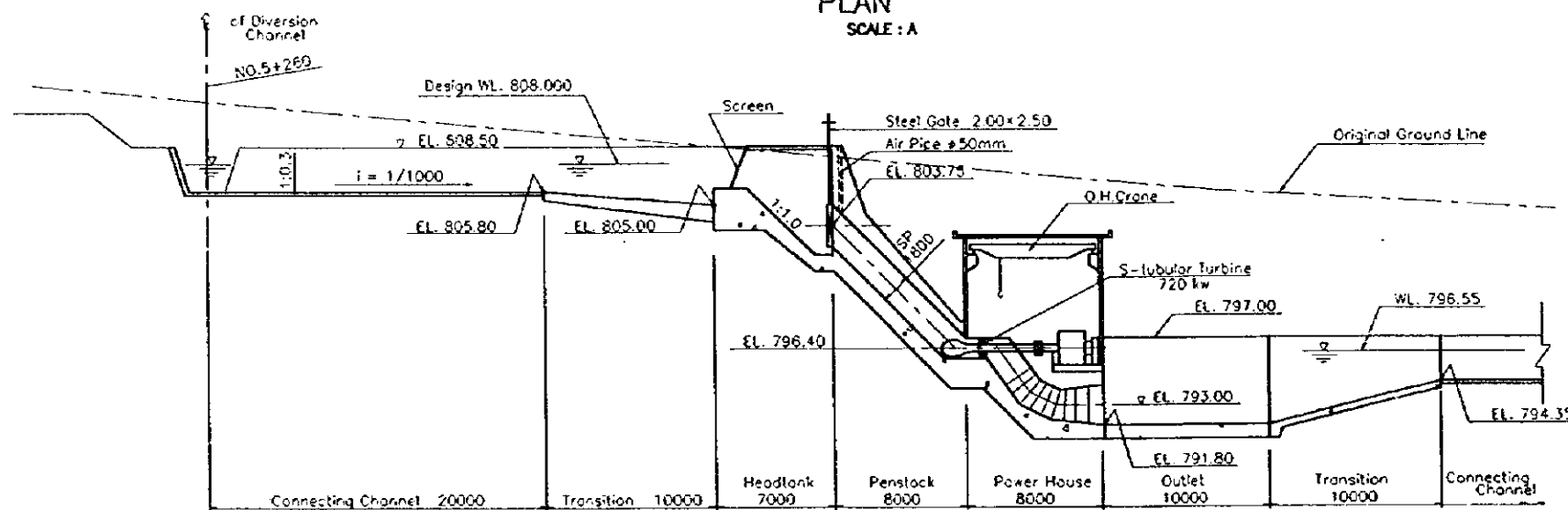
SCALE A (1/100)

SCALE B (1/60)

The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing MISCELLANEOUS WORKS
Flood Dike and Causeway at Rau River
Japan International Cooperation Agency

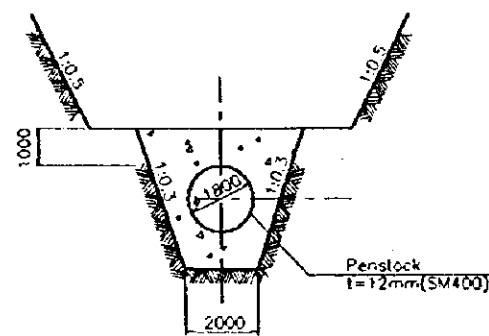


PLAN
SCALE: A

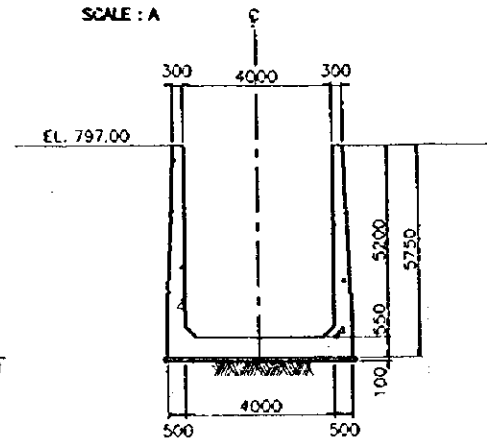


PROFILE
SCALE: A

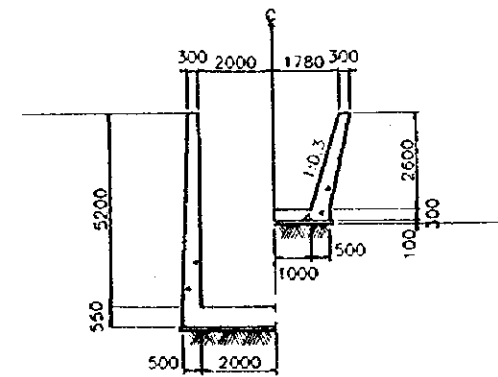
SECTION 3-3 SCALE: B SECTION 4-4 SCALE: B



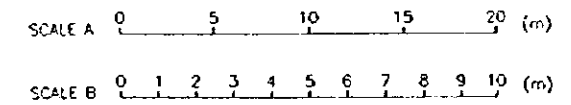
SECTION 5-5
SCALE: B



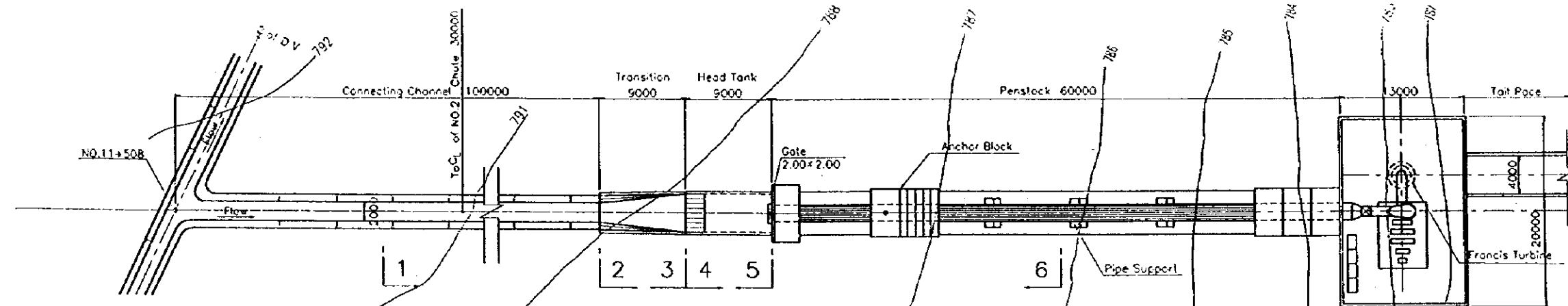
SECTION 6-6
SCALE: B



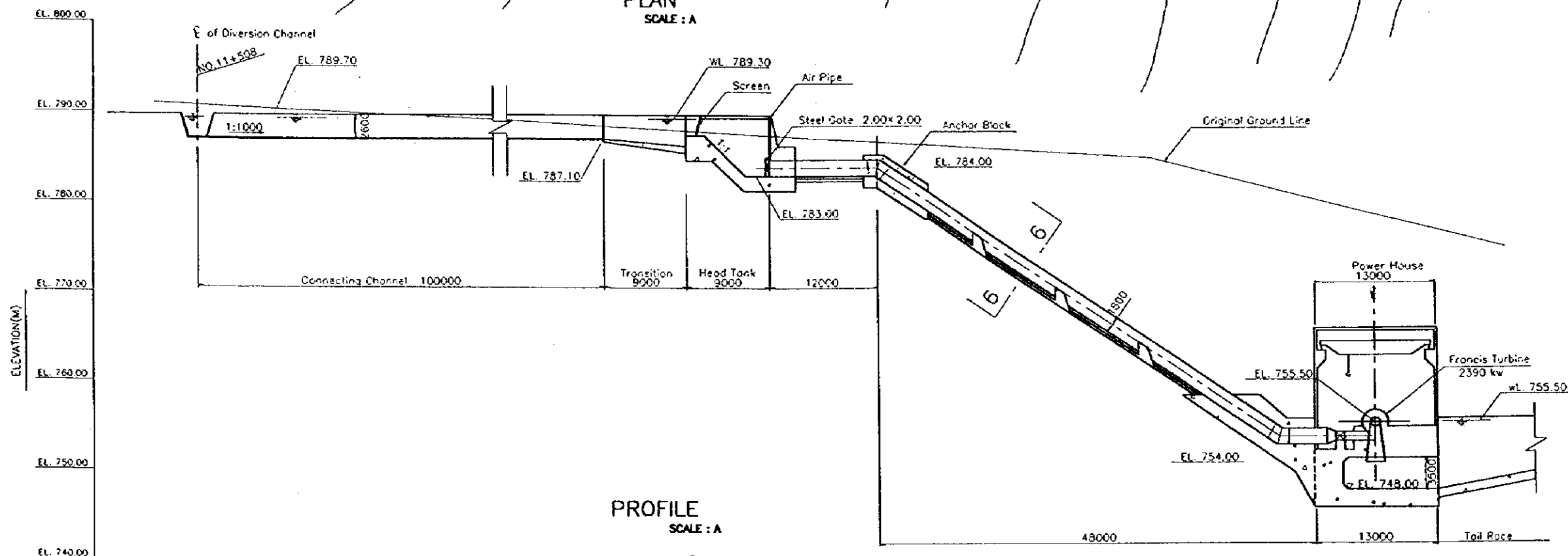
SECTION 7-7 SCALE: B SECTION 8-8 SCALE: B



The United Republic of Tanzania
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project
Title of Drawing HYDROPOWER STATION
General Layout of No. 1 Station
Japan International Cooperation Agency



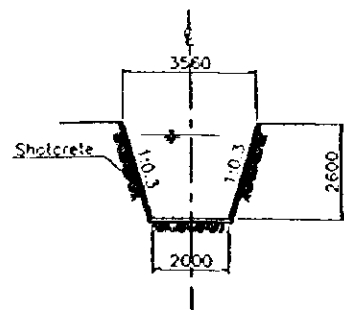
PLAN
SCALE : A



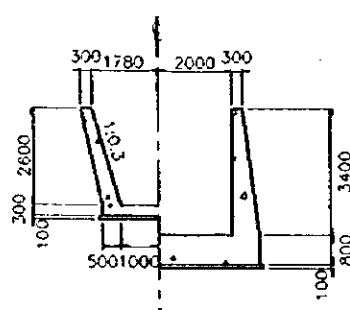
PROFILE
SCALE : A

SCALE A 0 5 10 15 20 25 (m)

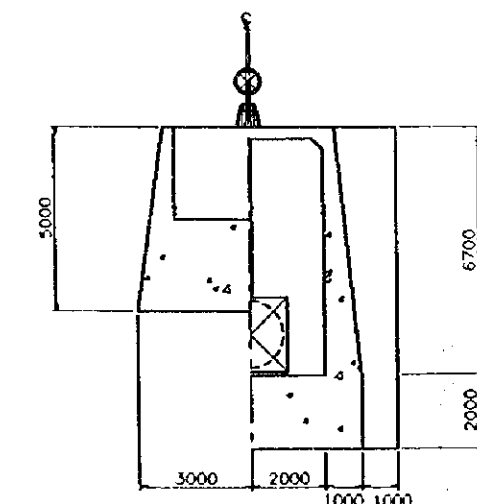
SCALE B 0 1 2 3 4 5 6 7 8 9 10 (m)



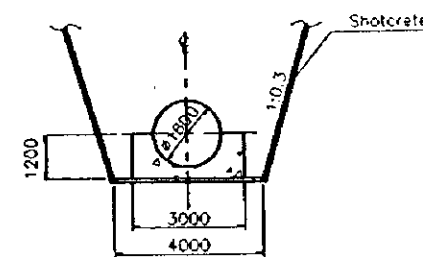
SECTION 1-1
SCALE : B



SECTION 2-2
SCALE : B



SECTION 3-3
SCALE : B



SECTION 4-4
SCALE : B

The United Republic of Tanzania	
The Feasibility Study on Lower Moshi Integrated Agriculture and Rural Development Project	
Title of Drawing HYDROPOWER STATION	
General Layout of No.2 Station	
Japan International Cooperation Agency	

JICA