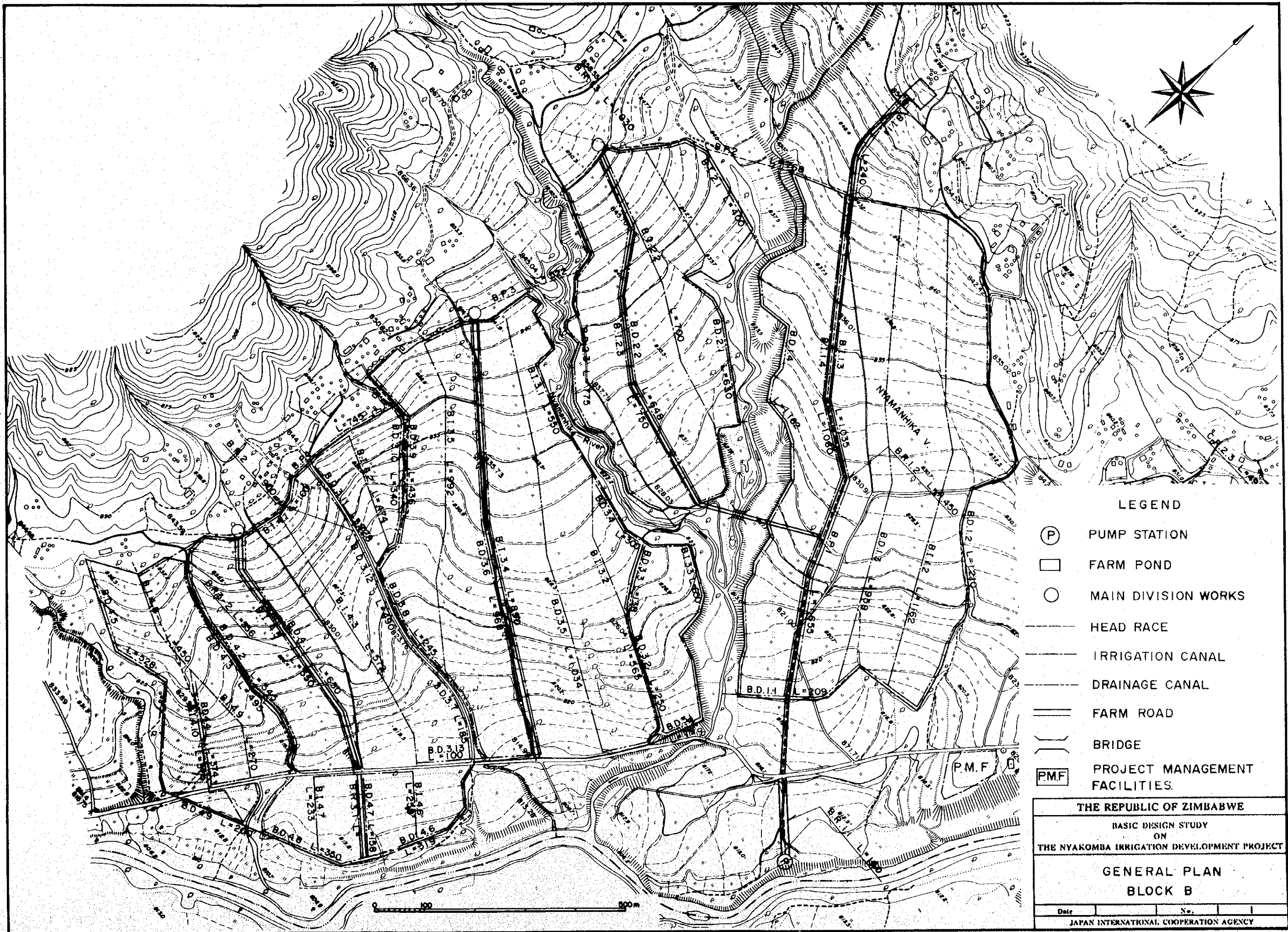


【基本設計図】

図 面 リ ス ト

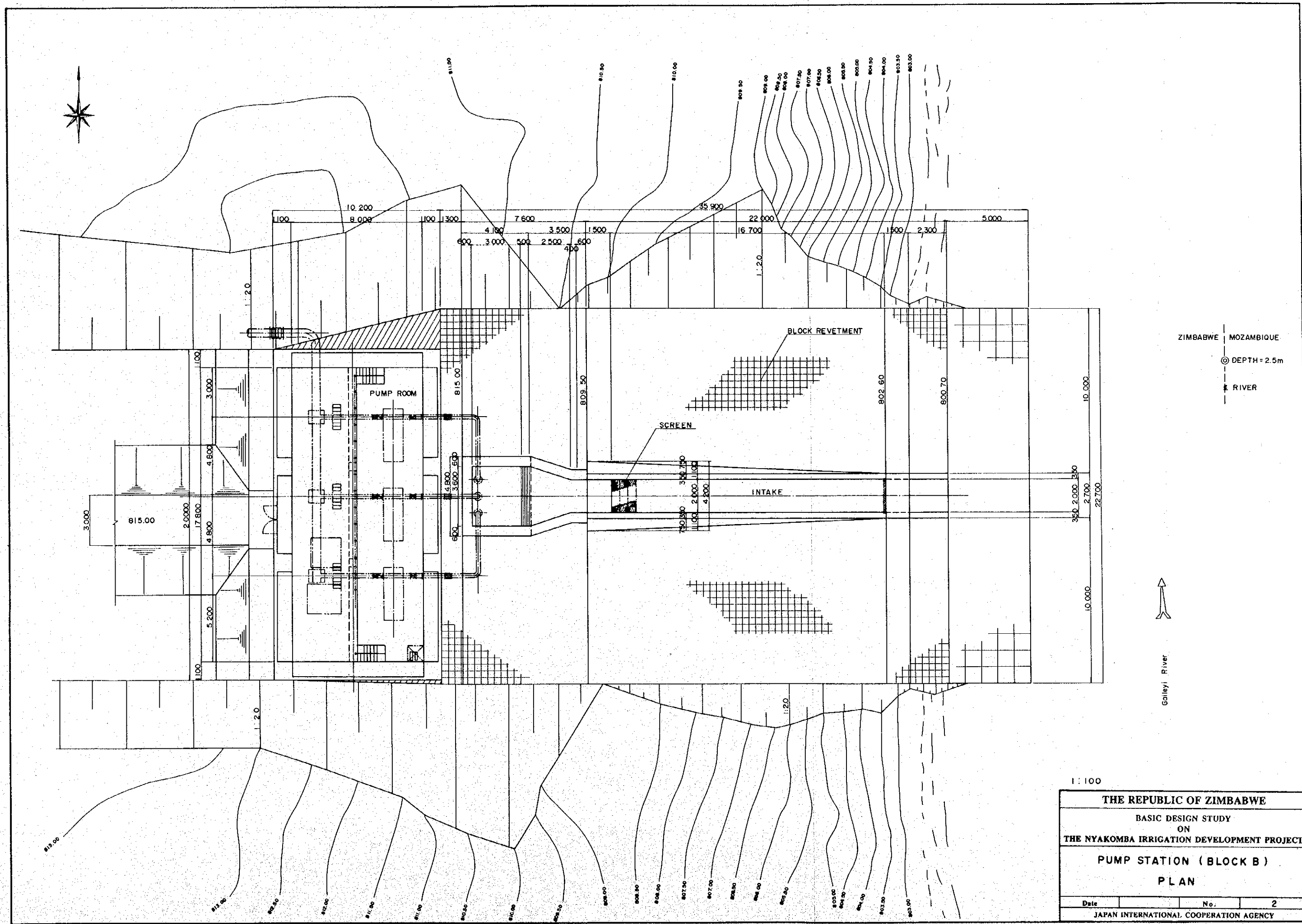
番 号	図 面 名
1.	ブロックB・計画平面図
2.	” ・ポンプ場計画平面図
3.	” ・ポンプ場計画断面図
4.	” ・ポンプ場付帯工計画図(1)
5.	” ・ポンプ場付帯工計画図(2)
6.	” ・ポンプ場上屋計画構造図
7.	” ・パイプライン計画縦断図(1)
8.	” ・パイプライン計画縦断図(2)
9.	” ・ファームポンド計画構造図
10.	” ・ファームポンド付帯工計画図
11.	” ・灌漑水路計画構造図(1/3)
12.	” ・灌漑水路計画構造図(2/3)
13.	” ・灌漑水路計画構造図(3/3)
14.	” ・排水路計画構造図(1/2)
15.	” ・排水路計画構造図(2/2)
16.	” ・農道計画構造図
17.	ブロックC・計画平面図
18.	” ・ポンプ場計画平面図
19.	” ・ポンプ場計画断面図
20.	” ・ポンプ場付帯工図(1)
21.	” ・ポンプ場付帯工図(2)
22.	” ・ポンプ場上屋計画図
23.	” ・パイプライン計画縦断図(1)
24.	” ・パイプライン計画縦断図(2)
25.	” ・ファームポンド構造図
26.	” ・ファームポンド付帯工計画図
27.	” ・灌漑水路計画構造図(1/3)
28.	” ・灌漑水路計画構造図(2/3)
29.	” ・灌漑水路計画構造図(3/3)
30.	” ・排水路計画構造図(1/2)
31.	” ・排水路計画構造図(2/2)
32.	” ・農道計画構造図
33.	プロジェクト管理施設全体計画配置図
34.	管理棟計画平面・断面図
35.	管理棟計画正面・側面図
36.	ワークショップ・ガレージ計画平面・断面図
37.	ワークショップ・ガレージ計画正面・側面図
38.	農業倉庫計画図
39.	燃料倉庫計画図



LEGEND

- (P) PUMP STATION
- FARM POND
- MAIN DIVISION WORKS
- HEAD RACE
- - - IRRIGATION CANAL
- - - DRAINAGE CANAL
- == FARM ROAD
- || BRIDGE
- PMF PROJECT MANAGEMENT FACILITIES.

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
GENERAL PLAN BLOCK B			
Date		No.	
JAPAN INTERNATIONAL COOPERATION AGENCY			

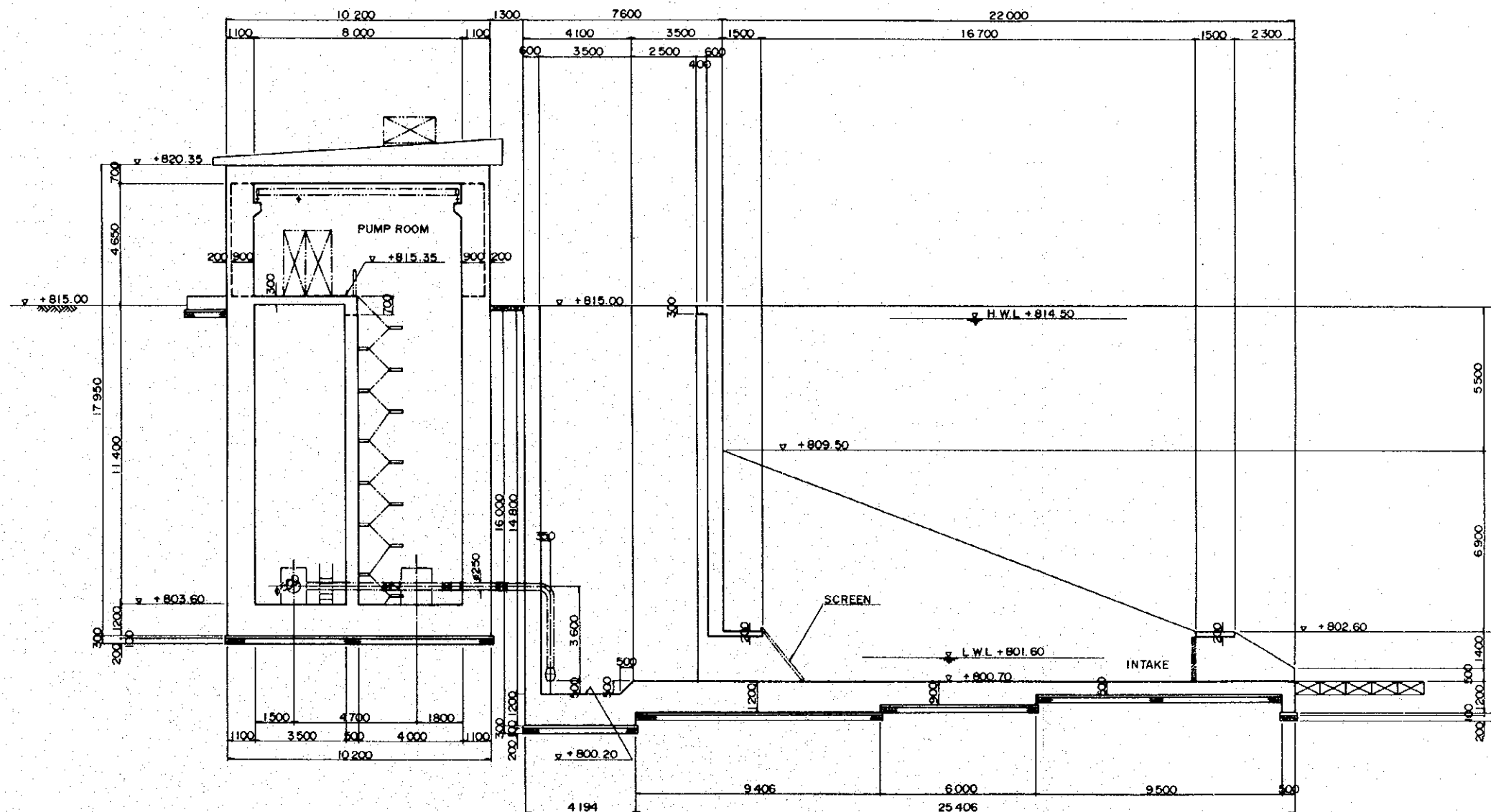


ZIMBABWE | MOZAMBIQUE
 ⊙ DEPTH = 2.5m
 RIVER

Galley River

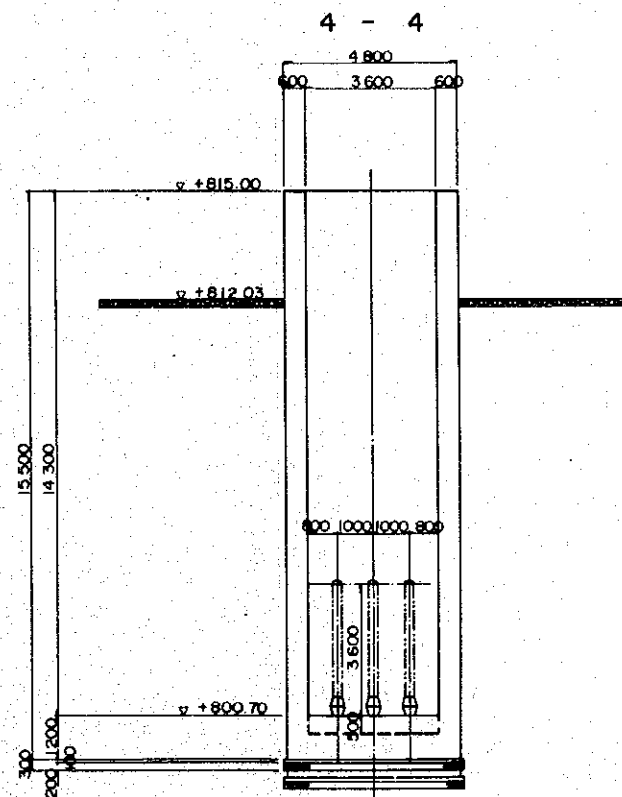
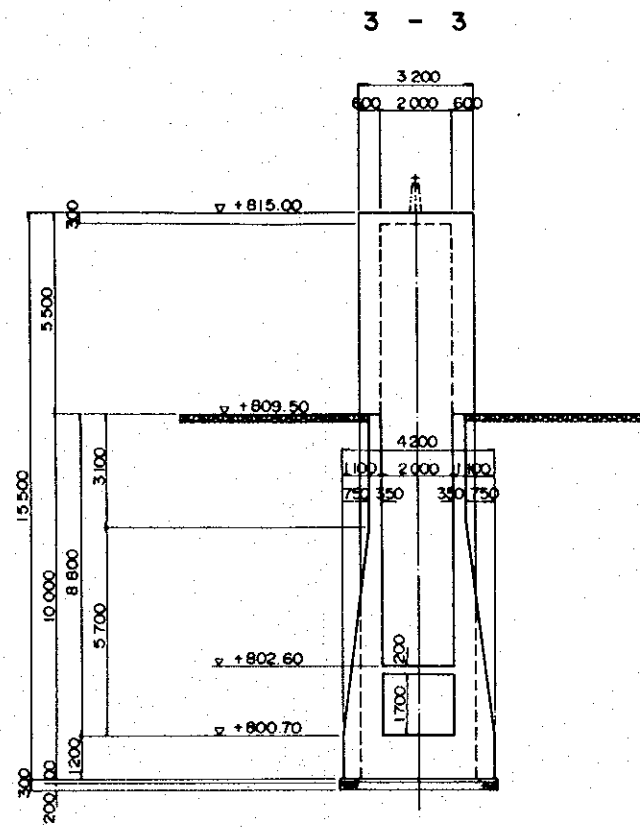
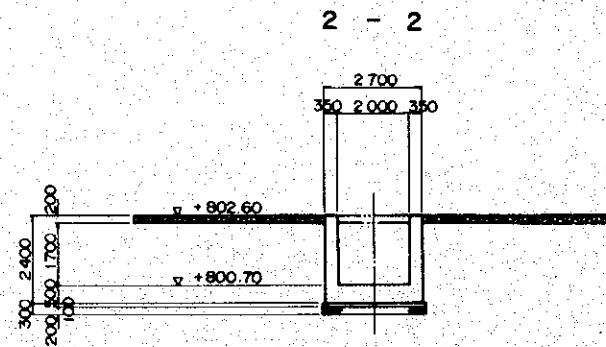
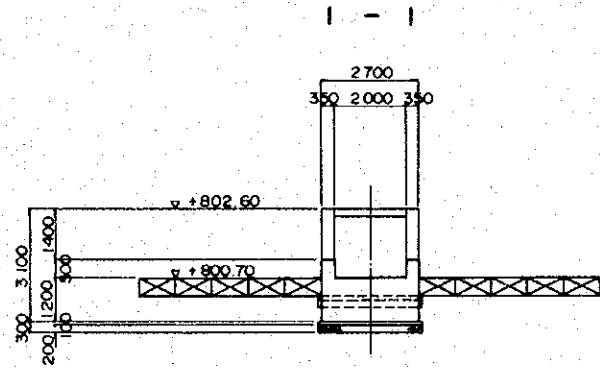
1 : 100

THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
PUMP STATION (BLOCK B) PLAN		
Date	No.	2
JAPAN INTERNATIONAL COOPERATION AGENCY		



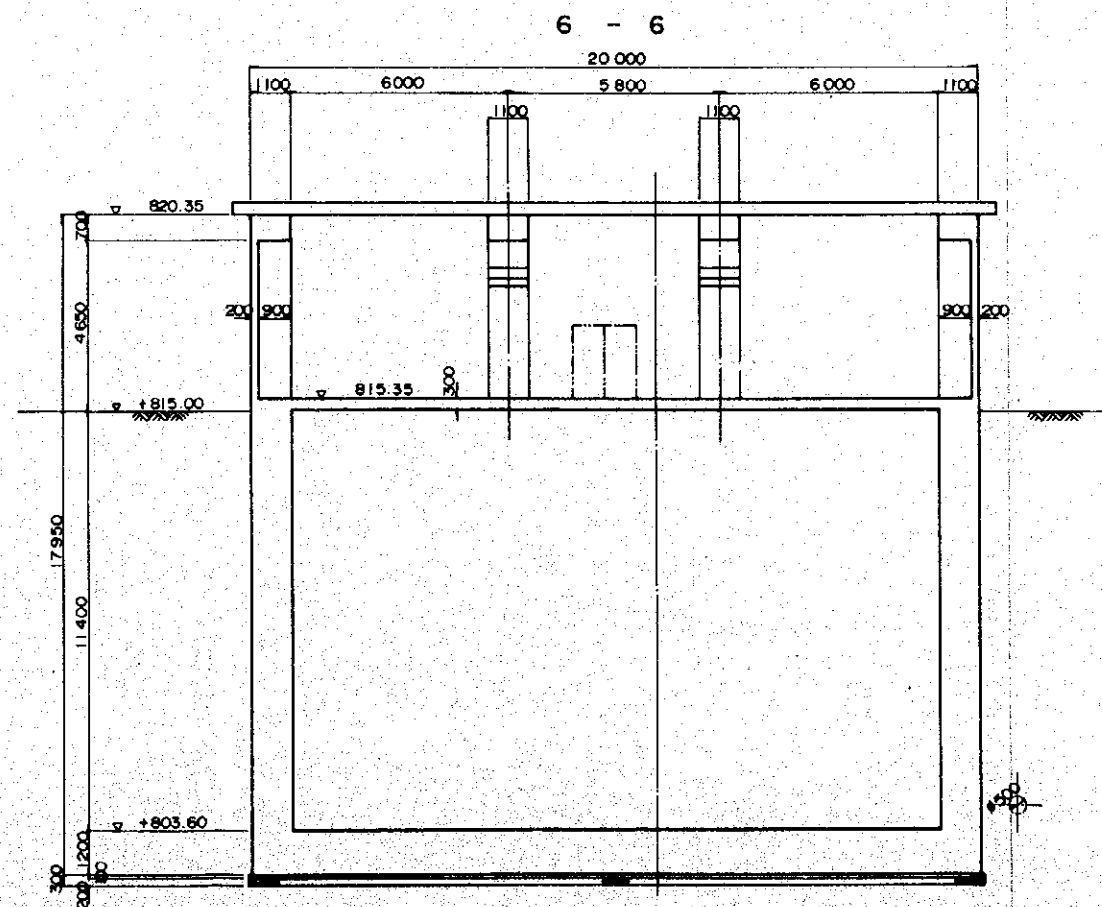
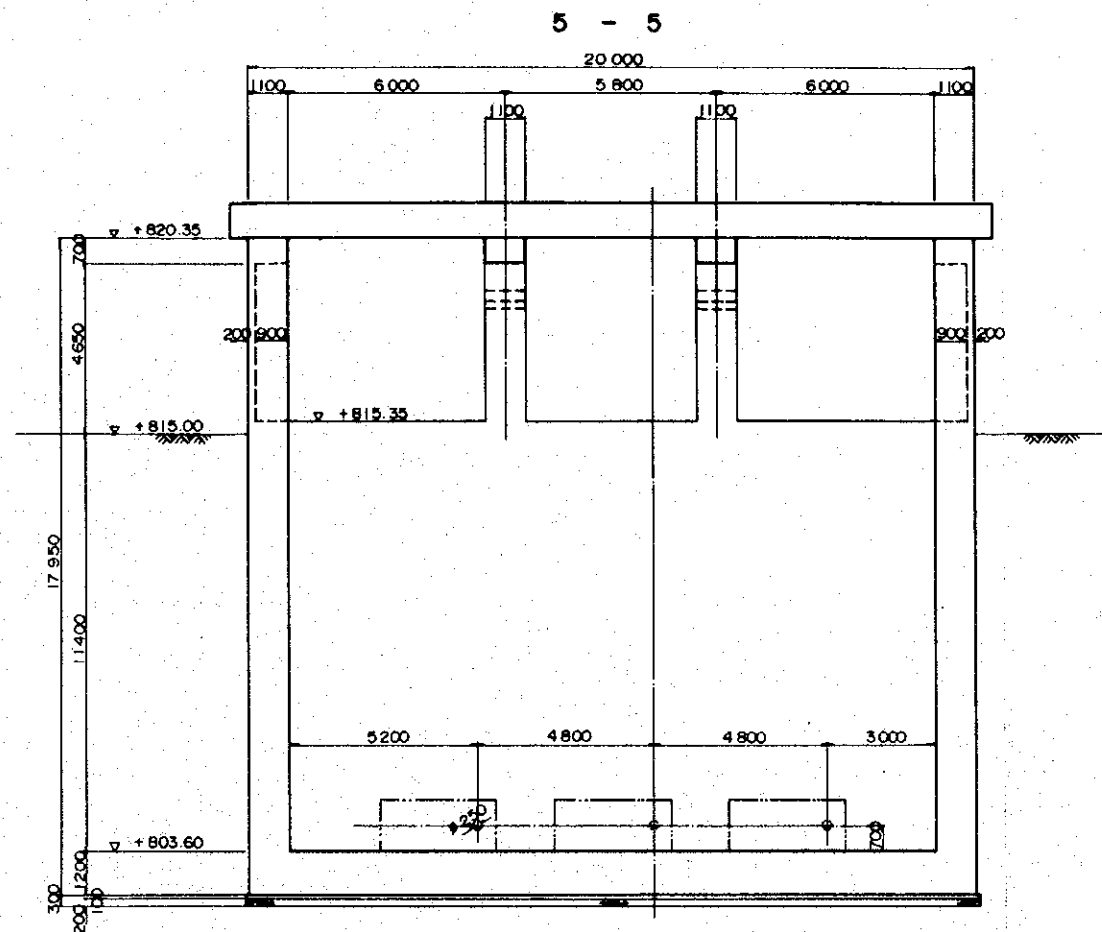
1 : 100

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK B) SECTION			
Date	No.	3	
JAPAN INTERNATIONAL COOPERATION AGENCY			



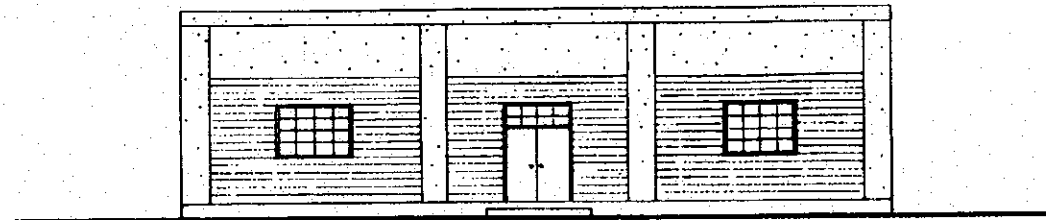
1 : 100

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK B) STRUCTURES (I)			
Date		No.	4
JAPAN INTERNATIONAL COOPERATION AGENCY			

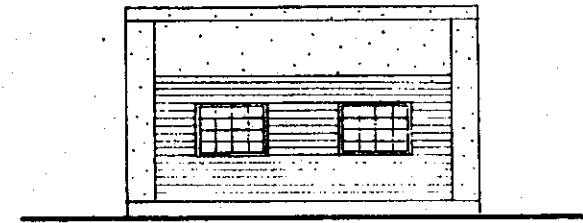


1:100

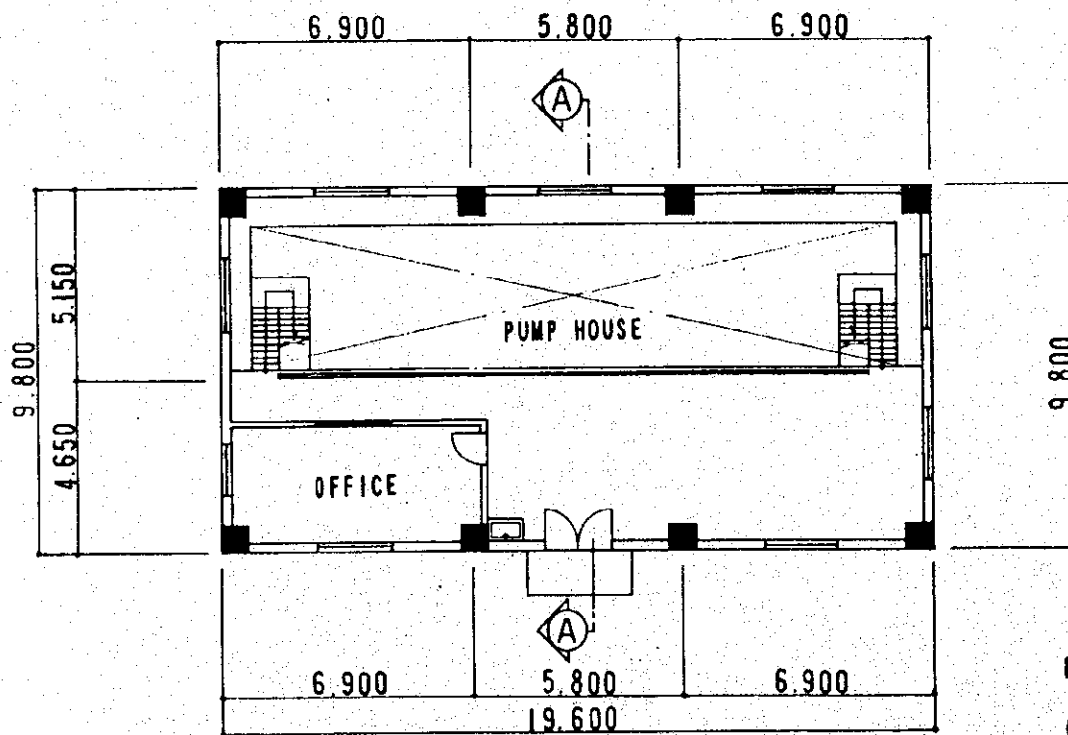
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK B)			
STRUCTURES (2)			
Date		No.	5
JAPAN INTERNATIONAL COOPERATION AGENCY			



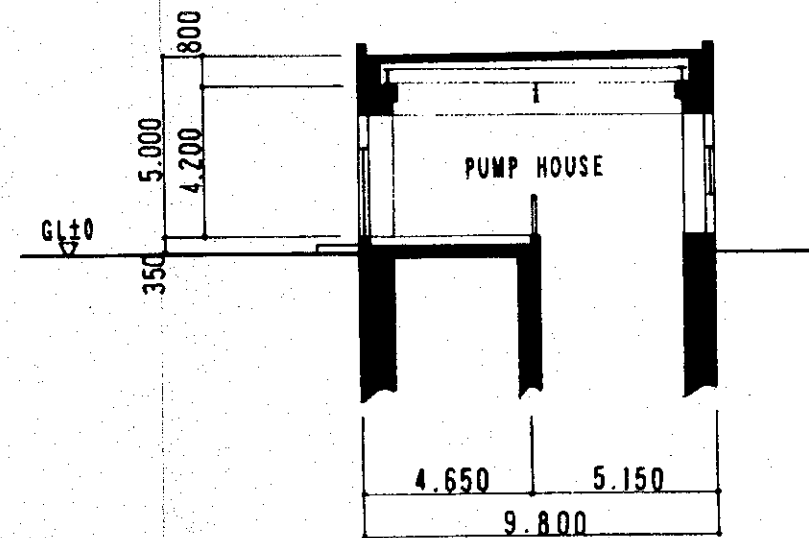
WEST ELEVATION



SOUTH ELEVATION

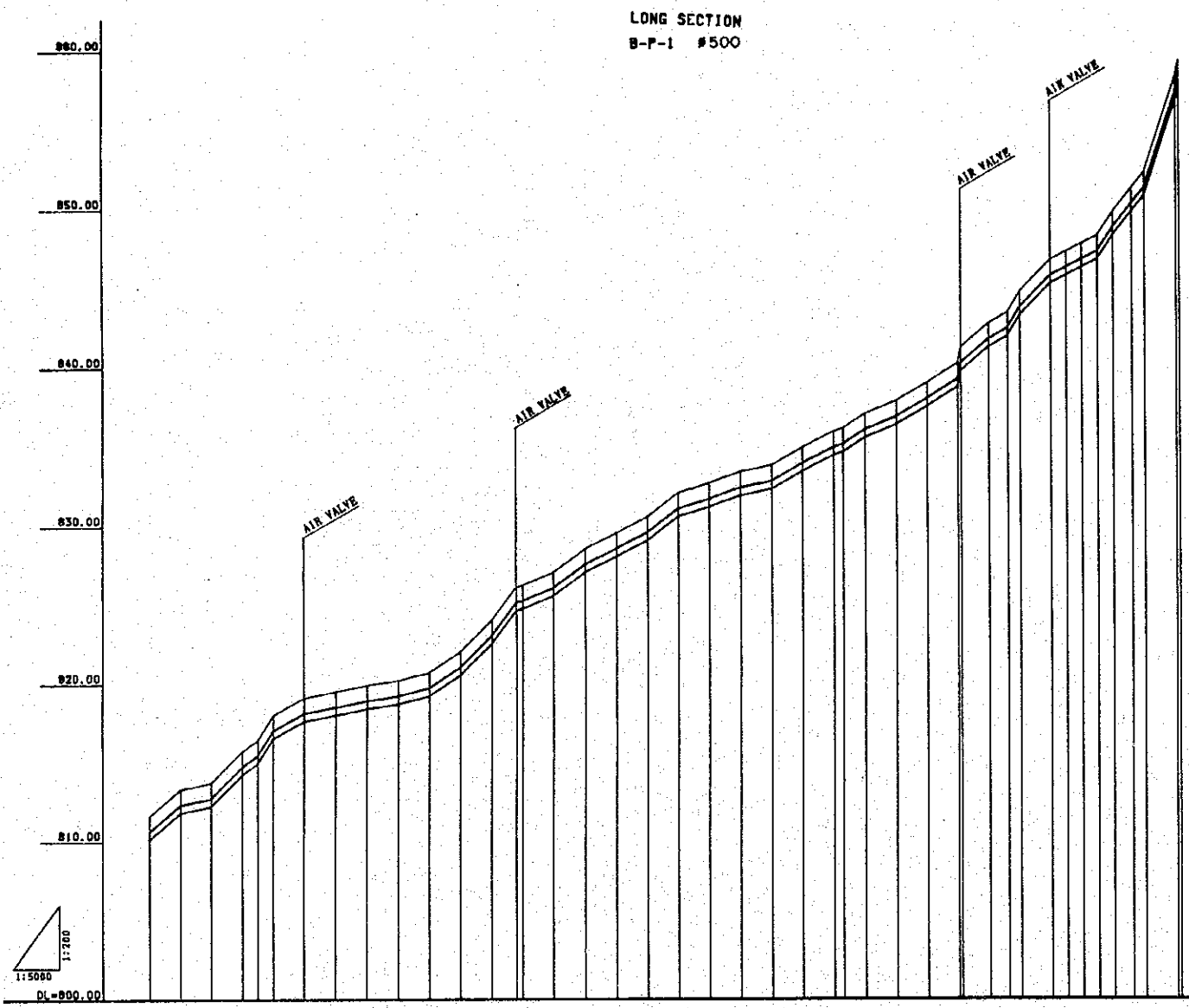


FLOOR PLAN
(B) (C) BLOCK

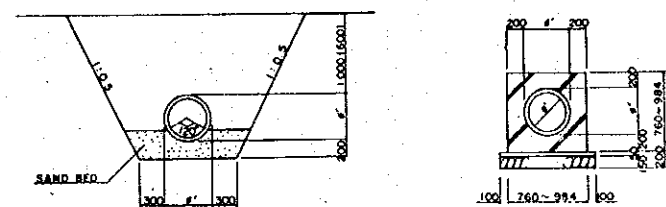


SECTION A-A

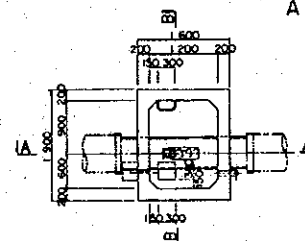
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION HOUSE			
Date		No.	6
JAPAN INTERNATIONAL COOPERATION AGENCY			



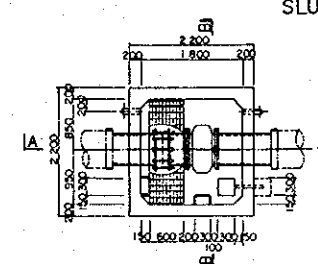
TYPICAL SECTION CONCRETE PROTECTION



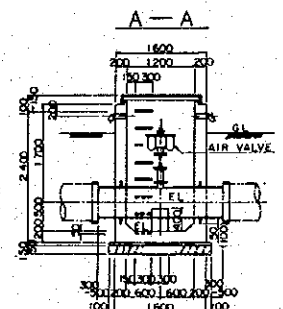
AIR VALVE



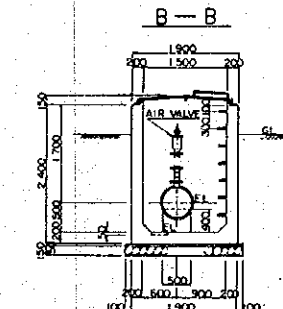
SLUICE VALVE #400~#500



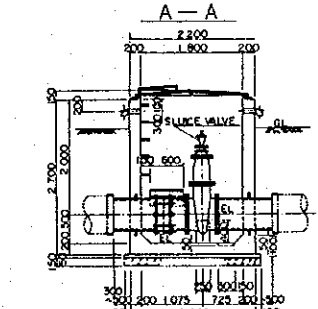
A-A



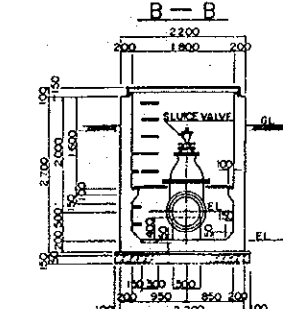
B-B



A-A



B-B



PIPE	DUCTILE CAST-IRON PIPE #500 L=1656 m	
PIPE C ELEVATION	811.00	819.350
GROUND LEVEL	811.00	819.350
ACCUMULATED DISTANCE	0.00	50.00
DISTANCE	0.00	50.00
STATION	St. 0	St. 1
CURVE	1A=6°00'	1A=12°00'

THE REPUBLIC OF ZIMBABWE
 BASIC DESIGN STUDY
 ON
 THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT
 HEAD RACE (1)
 LONG SECTION B-P-1

Date: _____ No. 7
 JAPAN INTERNATIONAL COOPERATION AGENCY

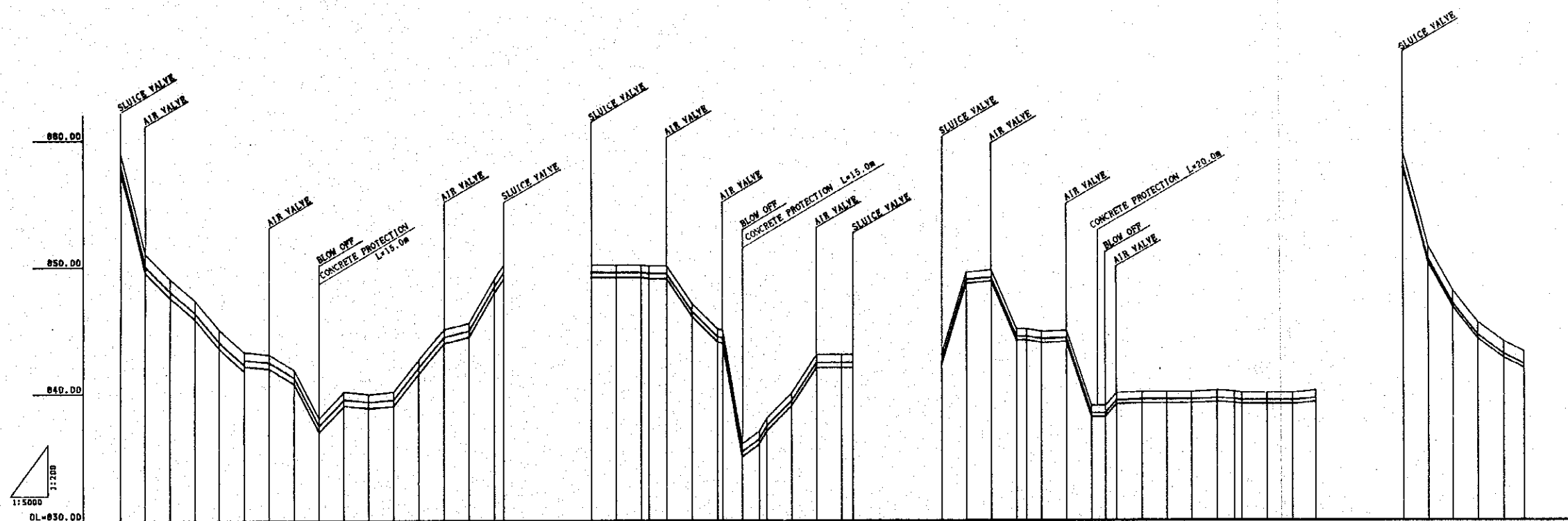
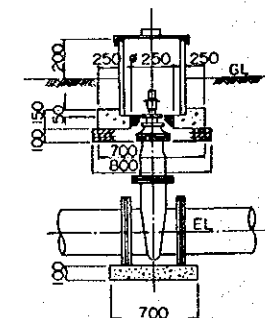
LONG SECTION
B-P-2 #500

LONG SECTION
B-P-3 #400

LONG SECTION
B-P-4 #300

LONG SECTION
B-P-a #300

SLUICE VALVE # 300

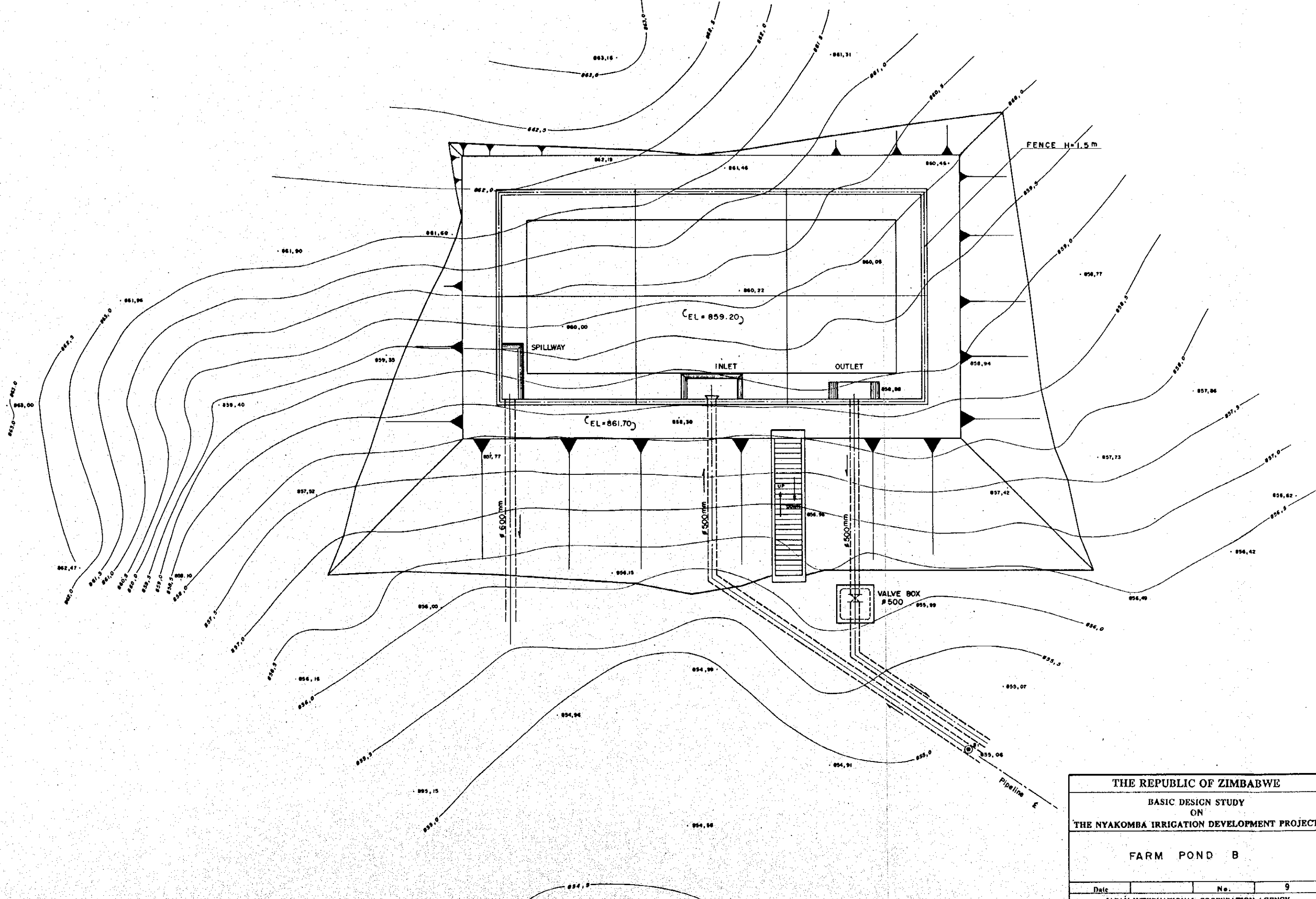


PIPE	PVC PIPE #500 L=769 m										PVC PIPE #400 L=523 m										PVC PIPE #300 L=746 m										PVC PIPE #300 L=240 m									
PIPE Q. ELEVATION	857.750	857.250	856.750	856.250	855.750	855.250	854.750	854.250	853.750	853.250	852.750	852.250	851.750	851.250	850.750	850.250	849.750	849.250	848.750	848.250	847.750	847.250	846.750	846.250	845.750	845.250	844.750	844.250	843.750	843.250	842.750	842.250	841.750	841.250	840.750	840.250				
GROUND LEVEL	858.00	857.50	857.00	856.50	856.00	855.50	855.00	854.50	854.00	853.50	853.00	852.50	852.00	851.50	851.00	850.50	850.00	849.50	849.00	848.50	848.00	847.50	847.00	846.50	846.00	845.50	845.00	844.50	844.00	843.50	843.00	842.50	842.00	841.50	841.00	840.50	840.00			
ACCUMULATED DISTANCE	0.00	50.00	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00	500.00	550.00	600.00	650.00	700.00	750.00	800.00	850.00	900.00	950.00	1000.00	1050.00	1100.00	1150.00	1200.00	1250.00	1300.00	1350.00	1400.00	1450.00	1500.00	1550.00	1600.00	1650.00	1700.00	1750.00				
DISTANCE	0.00	50.00	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00	500.00	550.00	600.00	650.00	700.00	750.00	800.00	850.00	900.00	950.00	1000.00	1050.00	1100.00	1150.00	1200.00	1250.00	1300.00	1350.00	1400.00	1450.00	1500.00	1550.00	1600.00	1650.00	1700.00	1750.00				
STATION	St. 0	St. 1	St. 2	St. 3	St. 4	St. 5	St. 6	St. 7	St. 8	St. 9	St. 10	St. 11	St. 12	St. 13	St. 14	St. 15	St. 16	St. 17	St. 18	St. 19	St. 20	St. 21	St. 22	St. 23	St. 24	St. 25	St. 26	St. 27	St. 28	St. 29	St. 30	St. 31	St. 32	St. 33	St. 34	St. 35				
CURVE	1A=23°00'		1A=104°30'		1A=40°00'		1A=73°00'		1A=54°30'		1A=39°30'		1A=33°00'		1A=89°00'		1A=103°00'		1A=37°00'		1A=48°00'																			

THE REPUBLIC OF ZIMBABWE
BASIC DESIGN STUDY
ON
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT
HEAD RACE (2)
LONG SECTION B-P-2, B-P-3, B-P-4, B-P-a

Date: No. 8
JAPAN INTERNATIONAL COOPERATION AGENCY

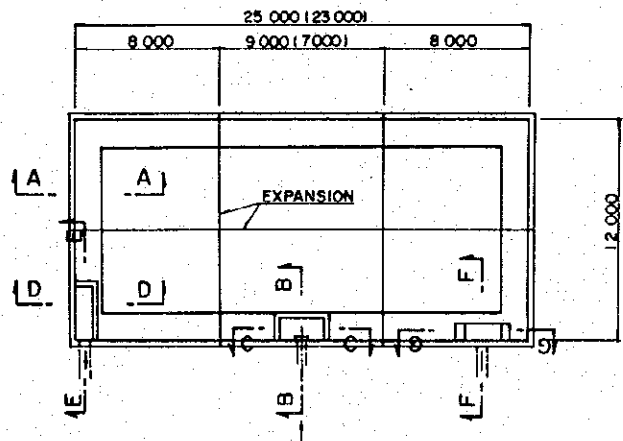
FARM POND B SCALE 1:100



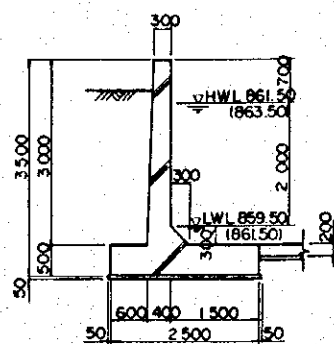
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
FARM POND B			
Date		No.	9
JAPAN INTERNATIONAL COOPERATION AGENCY			

FARM POND

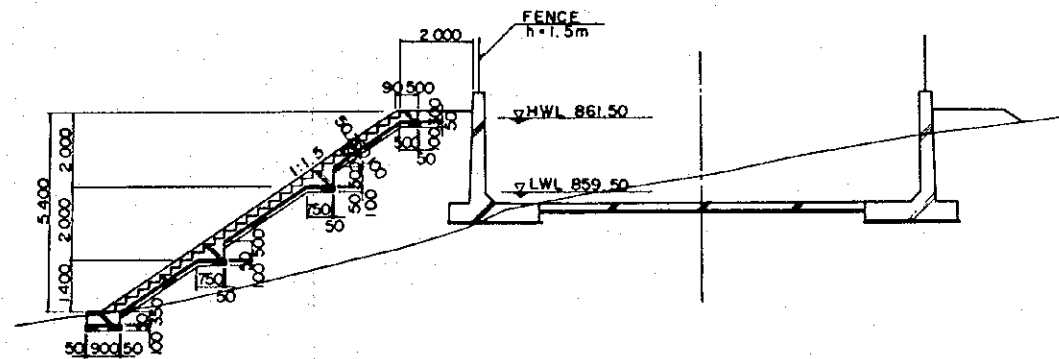
PLAN SCALE 1:200



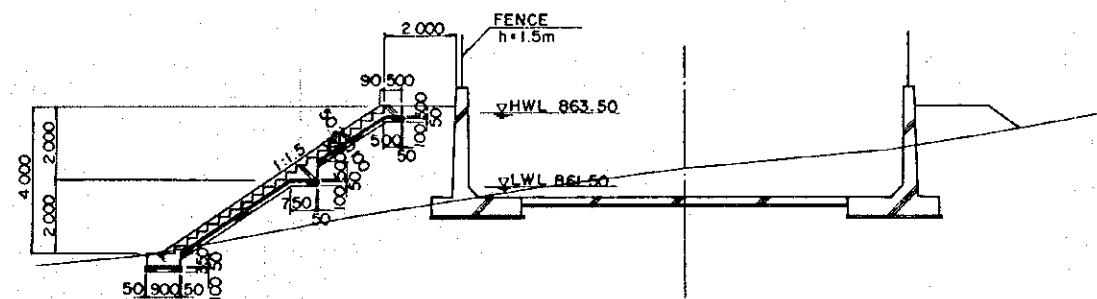
SECTION A-A SCALE 1:60



STAIR CASE SECTION (FARM POND B) SCALE 1:100



STAIR CASE SECTION (FARM POND C) SCALE 1:100

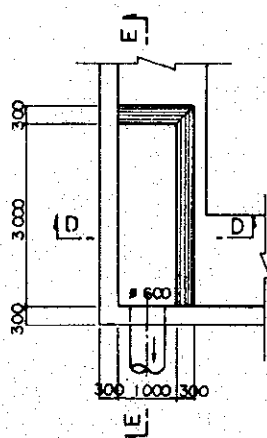
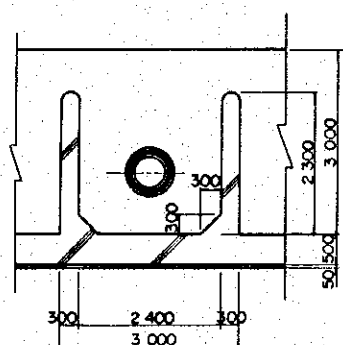
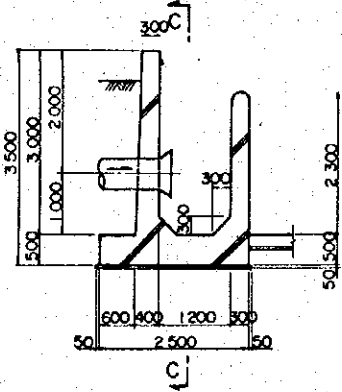


INLET SCALE 1:60

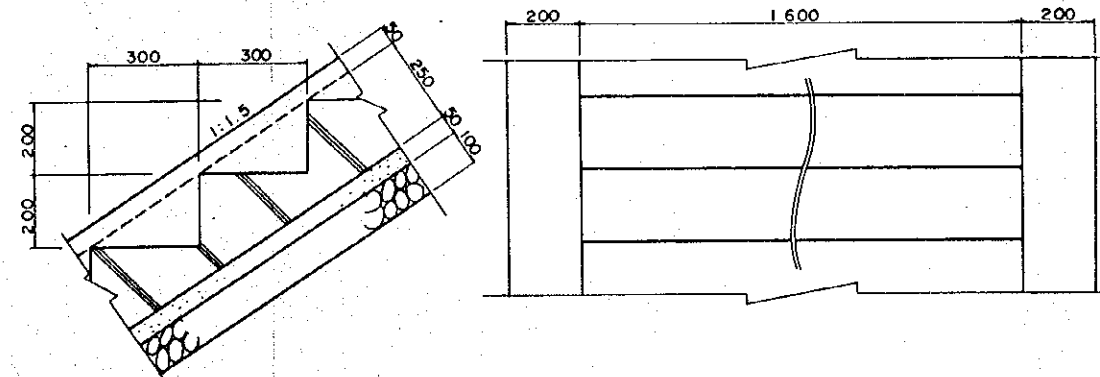
SPILL WAY SCALE 1:60

SECTION B-B

SECTION C-C



STAIR CASE DETAIL SCALE 1:10



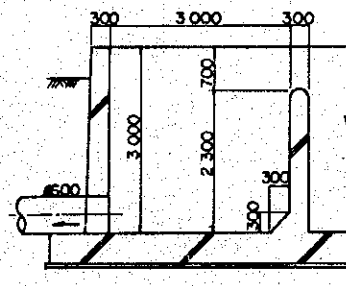
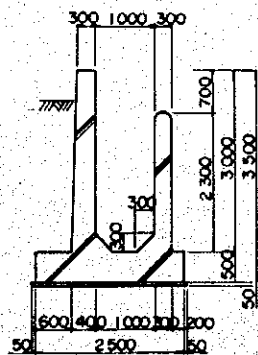
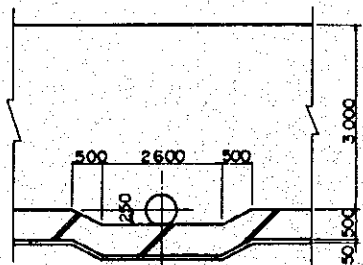
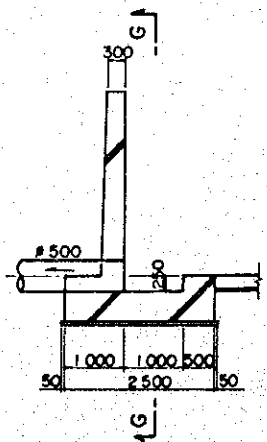
OUTLET SCALE 1:60

SECTION F-F

SECTION G-G

SECTION D-D

SECTION E-E

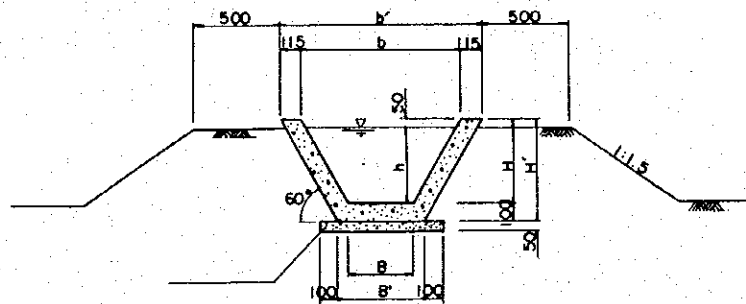


THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
DETAILS OF FARM POND		
Date	No.	10
JAPAN INTERNATIONAL COOPERATION AGENCY		

IRRIGATION FACILITIES (1/3)

IRRIGATION CANAL SCALE 1:20

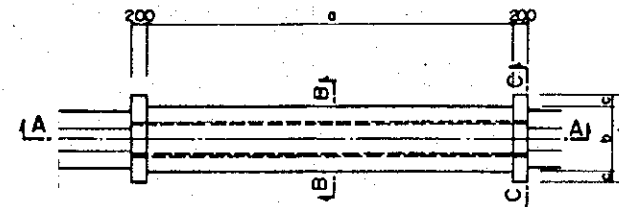
TYPICAL SECTION



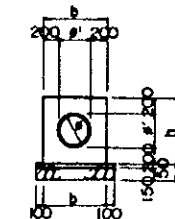
	B	B'	b	b'	H	H'	h
Type B	350	465	870	1100	450	550	400
Type C	300	415	762	992	400	500	350
Type D	250	364	654	884	350	450	300
Type E	200	314	546	776	300	400	250

CANAL CROSS CULVERT (ENTRANCE WORKS) SCALE 1:50

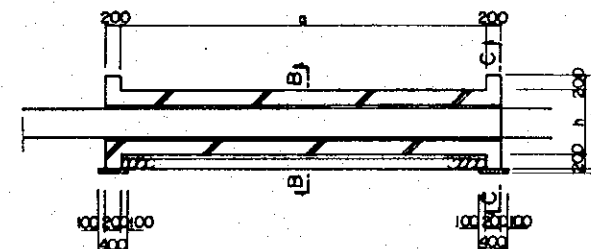
PLAN



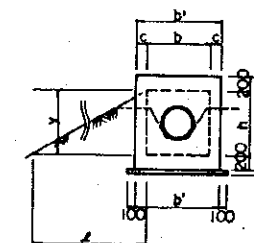
SECTION B-B



SECTION A-A



SECTION C-C

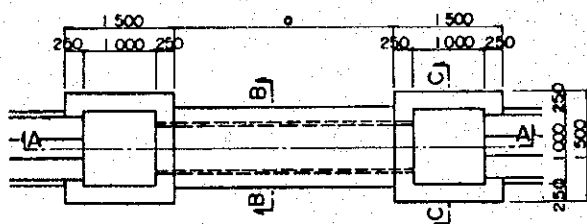


Canal Cross Culvert (Irrigation)
(Entrance Works)

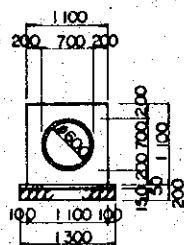
Canal Type	a	#	b	c	b'	#	h	h'	y	l	l'
Type 1-3 B(B-350)	3,000	450	926	172	1,270	526	926	1,326	938	7,817	38
Type 1-5 B(B-350)	5,000	450	926	172	1,270	526	926	1,326	938	7,817	38
Type 2-3 C(B-300)	3,000	400	870	146	1,162	470	870	1,270	885	7,375	35
Type 2-5 C(B-300)	5,000	400	870	146	1,162	470	870	1,270	885	7,375	35
Type 3-3 D(B-250)	3,000	350	814	120	1,054	414	814	1,214	832	6,933	32
Type 3-5 D(B-250)	5,000	350	814	120	1,054	414	814	1,214	832	6,933	32
Type 4-3 E(B-200)	3,000	300	760	93	945	360	760	1,160	780	6,500	30
Type 4-5 E(B-200)	5,000	300	760	93	945	360	760	1,160	780	6,500	30

ROAD CROSS SIPHON SCALE 1:50

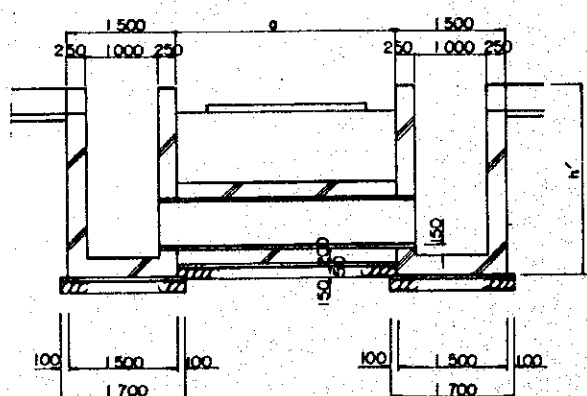
PLAN



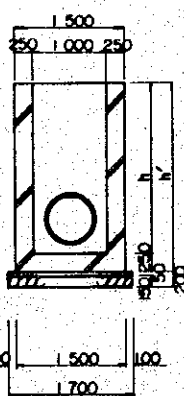
SECTION B-B



SECTION A-A



SECTION C-C

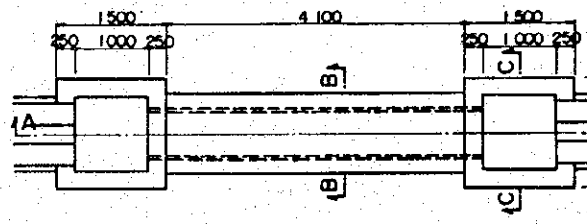


Road Cross Siphon (Irrigation)

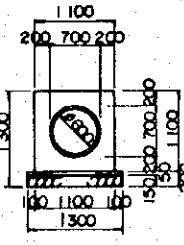
Type	a	#	h	h'	l
Type 1	3,000	600	2,400	2,650	50
Type 2	7,000	600	2,400	2,650	50
Type 3	10,000	600	3,150	3,400	50
Type 4	15,000	600	3,150	3,400	50
Type 5	19,000	600	3,150	3,400	50

CANAL CROSS SIPHON SCALE 1:50

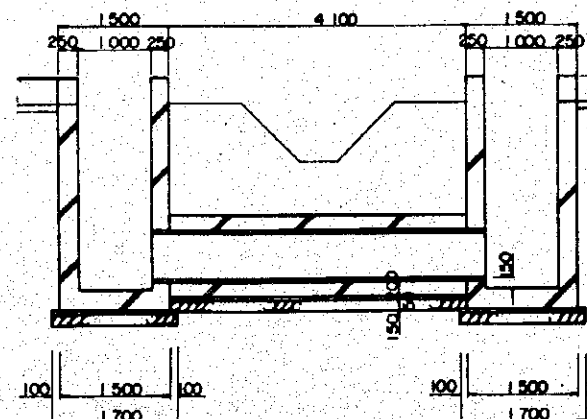
PLAN



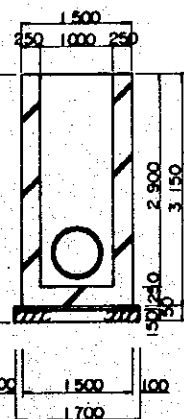
SECTION B-B



SECTION A-A



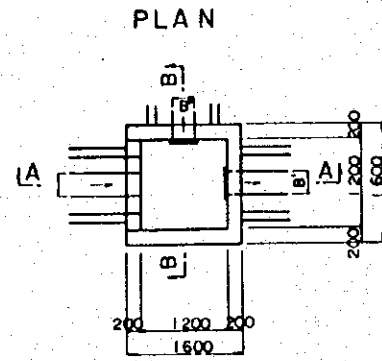
SECTION C-C



THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY ON		
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
IRRIGATION FACILITIES (1/3)		
Date	No.	11
JAPAN INTERNATIONAL COOPERATION AGENCY		

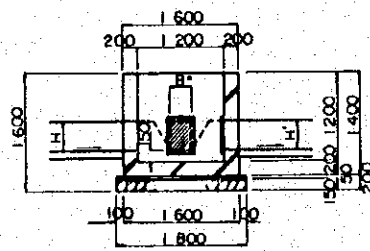
IRRIGATION FACILITIES (2/3)

DIVISION WORKS SCALE 1:50

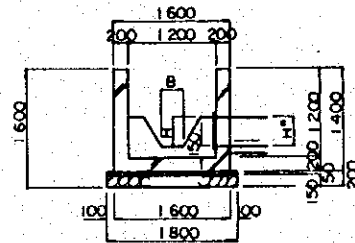


TYPE	B	H	B'	H'	GATE	B"	H"	GATE
2	300	400	300	400	300x400 x 1	300	400	300x400 x 1
3	350	450	350	450	350x450 x 1	350	450	350x450 x 1
4	350	450	350	450	350x450 x 1	200	300	200x300 x 1
5	350	450	350	450	350x450 x 1	300	400	300x400 x 1
6	350	450	300	400	300x400 x 1	250	350	250x350 x 1
7	350	450	300	400	300x400 x 1	300	400	300x400 x 1
8	350	450	350	450	350x450 x 1	250	350	250x350 x 1
9	300	400	250	350	250x350 x 1	250	350	250x350 x 1

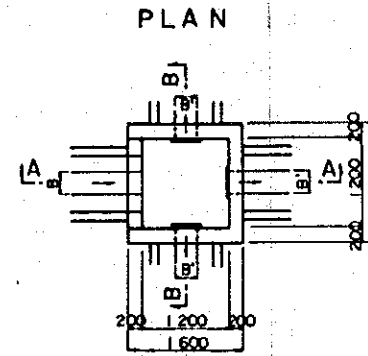
SECTION A-A



SECTION B-B

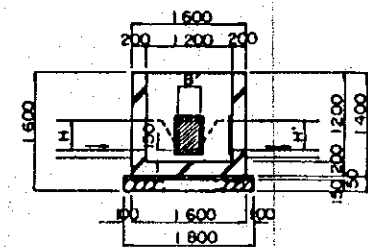


DIVISION WORKS SCALE 1:50

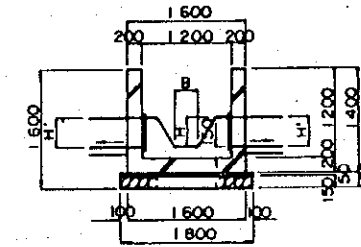


	B	H	B'	H'	GATE
TYPE I	300	400	300	400	300x400 x 3
TYPE II	300	400	250	350	250x350 x 3

SECTION A-A

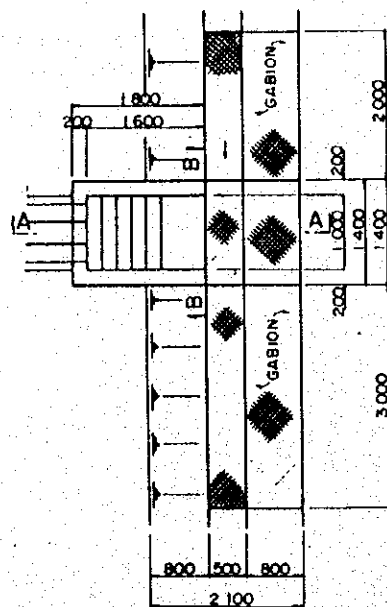


SECTION B-B

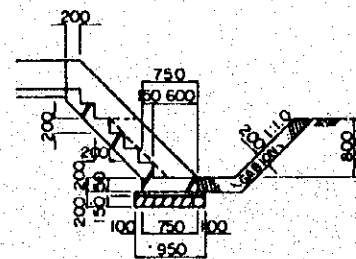


CHUTE SCALE 1:50

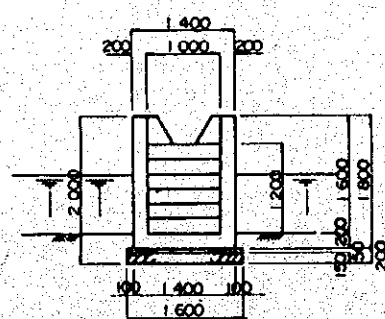
PLAN



SECTION A-A

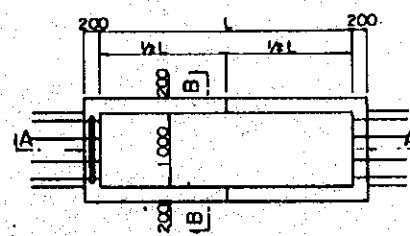


SECTION B-B



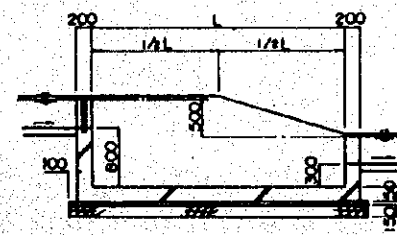
DROP SCALE 1:50

PLAN

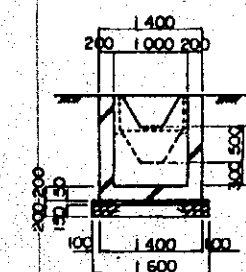


	L
Type B	3500
Type C	3500
Type D	3000
Type E	3000

SECTION A-A



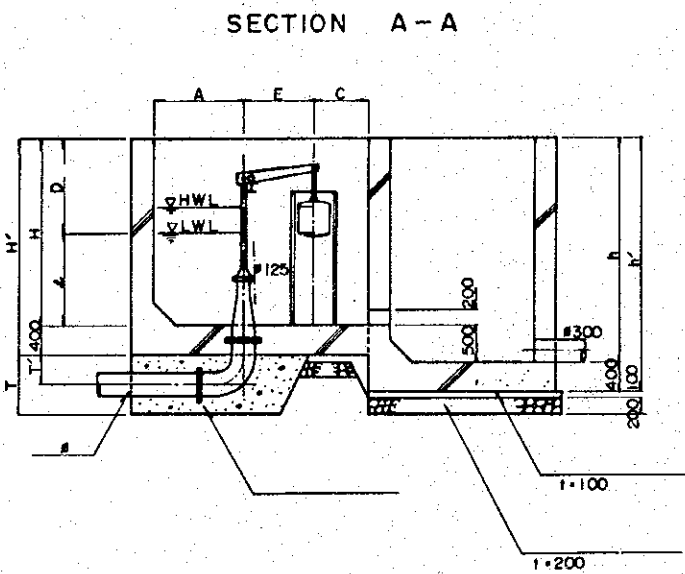
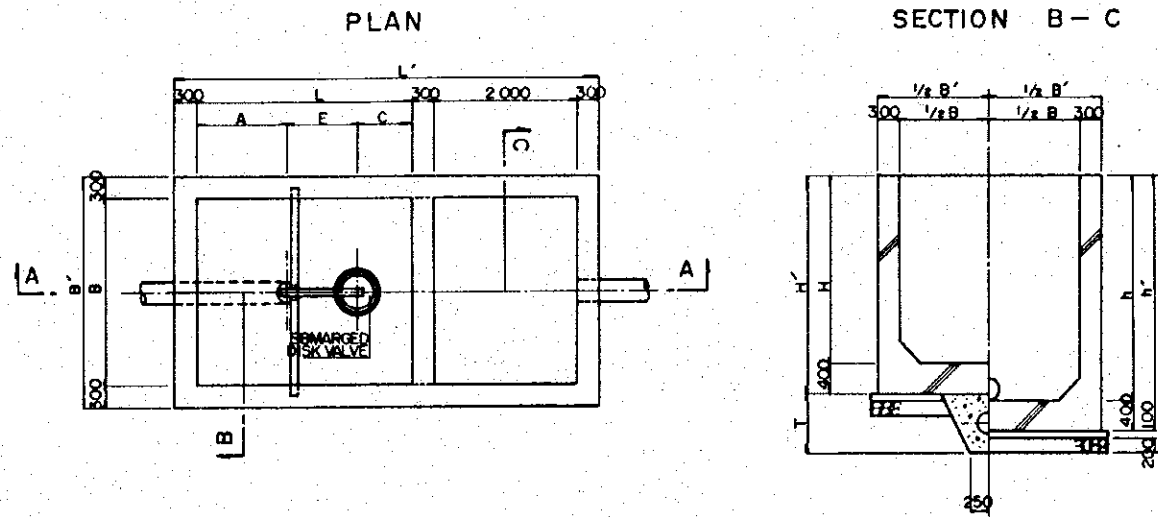
SECTION B-B



IRRIGATION FACILITIES (3/3)

MAIN DIVISION WORKS

SCALE 1:50

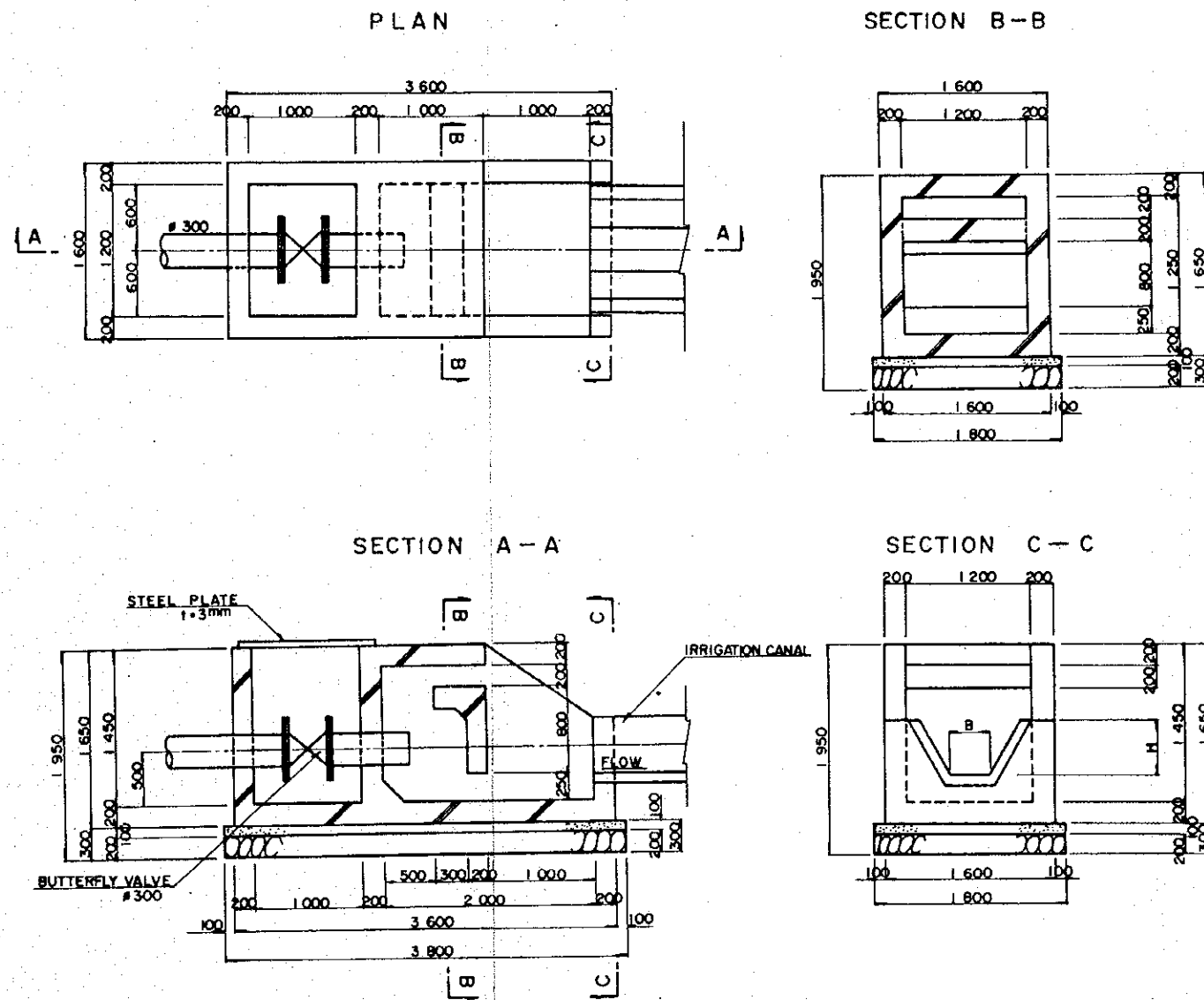


MAIN DIVISION WORKS

Type	A	B	B'	C	D	E	H	H'	h	h'	L	L'	T	T'	#	SURMARGED DISK VALVE	
M-1	1250	2500	3100	780	1250	970	2500	2900	3000	3400	3000	5900	1250	800	400	300	200x100x55x8 L=2800 #125 E=970
M-2	750	1500	2100	735	1150	815	1800	2200	2300	2700	2300	5200	650	700	300	200	150x75x5x7 L=1800 #125 E=815
M-2'	1300	2600	3200	805	1250	795	2500	2900	3000	3400	2900	5800	1250	800	400	300	200x100x55x8 L=2900 #125 E=795
M-3	1050	2100	2700	755	1250	795	2300	2700	2800	3200	2600	5500	1050	800	400	300	150x75x5x7 L=2400 #125 E=795
M-3'	1650	3300	3900	840	1350	910	3000	3400	3500	3900	3400	6300	1650	800	400	300	250x125x6x9 L=3600 #125 E=910
M-4	1150	2300	2900	780	1300	970	2400	2800	2900	3300	2900	5800	1100	800	400	300	200x100x55x8 L=2600 #125 E=970

DISCHARGE CHAMBER

SCALE 1:30



DISCHARGE CHAMBER

	B	H	Canal Type
B M-1	300	400	C
B M-2	250	350	D
B M-3	300	400	C
B M-4	300	400	C
C M-1	350	450	B
C M-2	350	450	B
C M-3	350	450	B

THE REPUBLIC OF ZIMBABWE

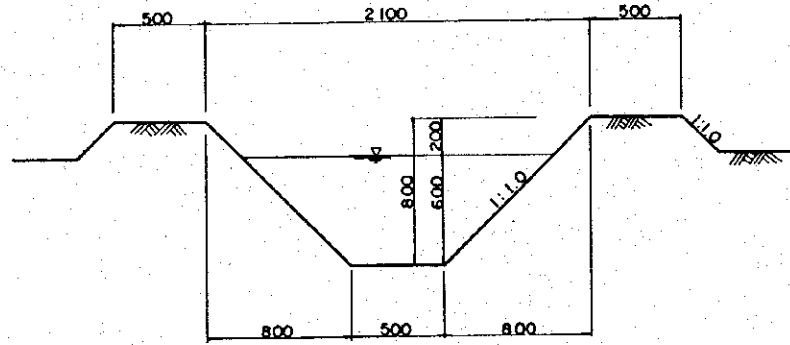
BASIC DESIGN STUDY
ON
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT

IRRIGATION FACILITIES (3/3)

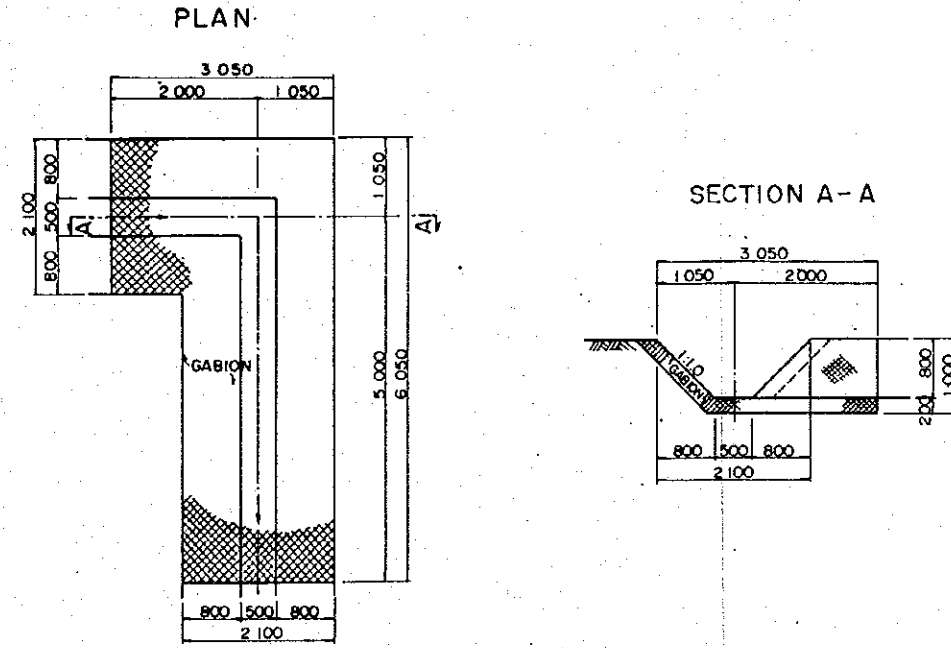
Date	No.	13
JAPAN INTERNATIONAL COOPERATION AGENCY		

DRAINAGE FACILITIES (1/2)

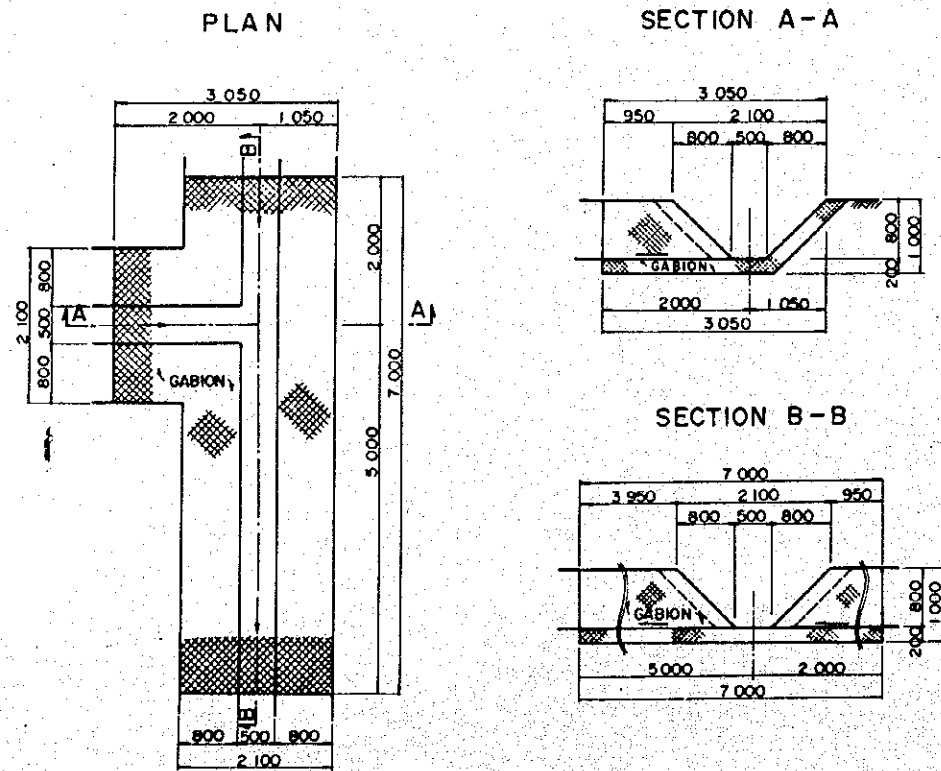
DRAINAGE CANAL TYPICAL SECTION SCALE 1:20



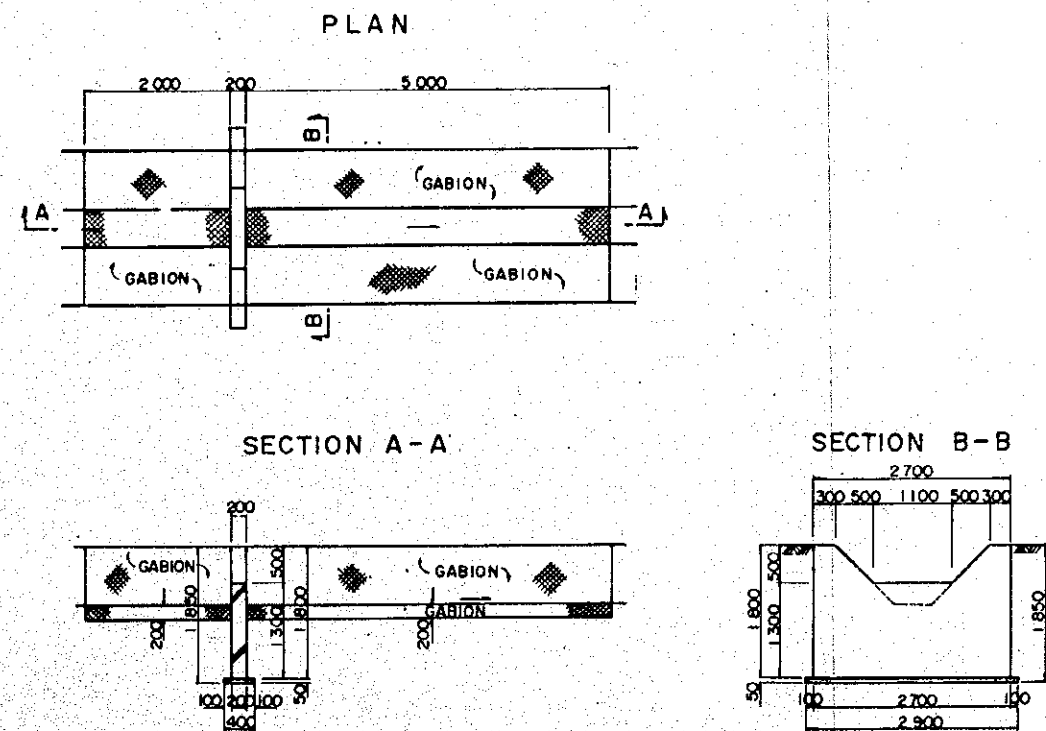
SLOPE PROTECTION SCALE 1:50



CONFLUENT FACILITIES SCALE 1:50



GROUND SILL SCALE 1:50

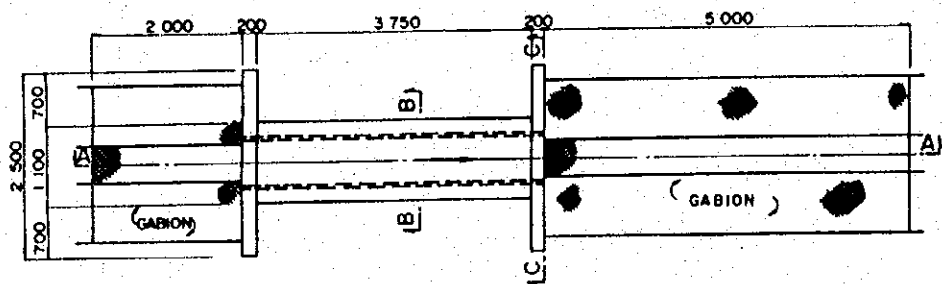


THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
DRAINAGE FACILITIES (1/2)			
Date	No.	14	
JAPAN INTERNATIONAL COOPERATION AGENCY			

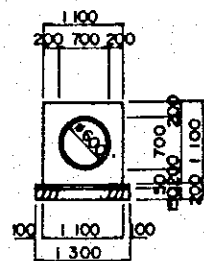
DRAINAGE FACILITIES (2/2)

ROAD CROSS CULVERT SCALE 1:50

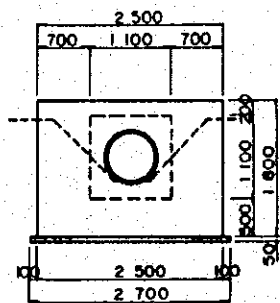
PLAN



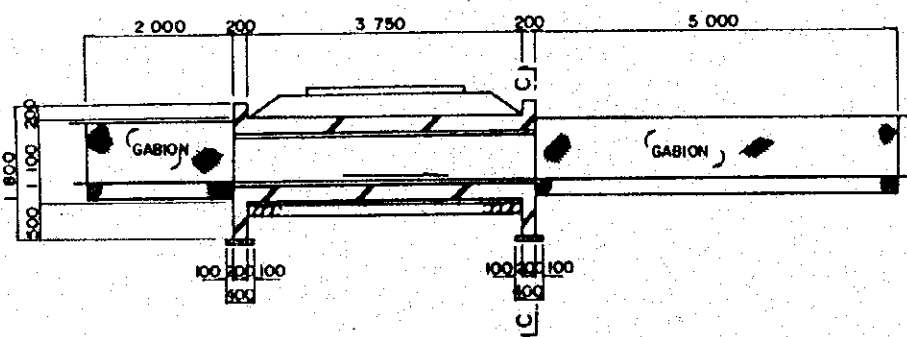
SECTION B - B



SECTION C - C

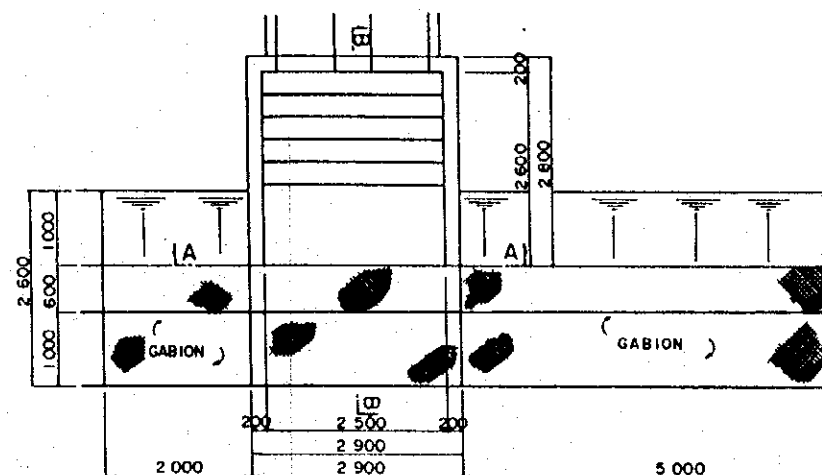


SECTION A - A

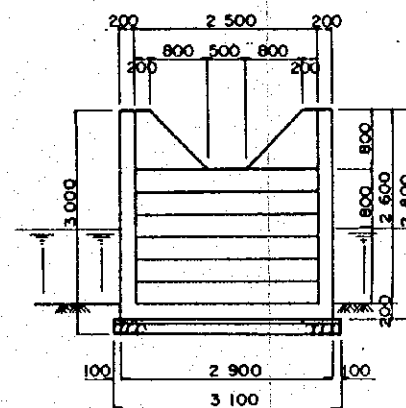


CHUTE SCALE 1:50

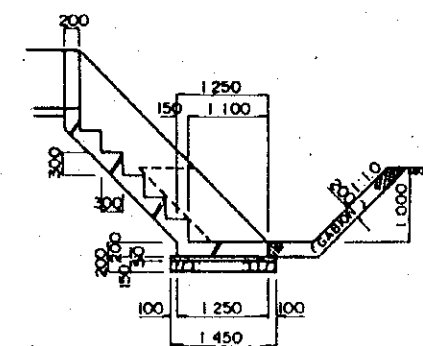
PLAN



SECTION A - A

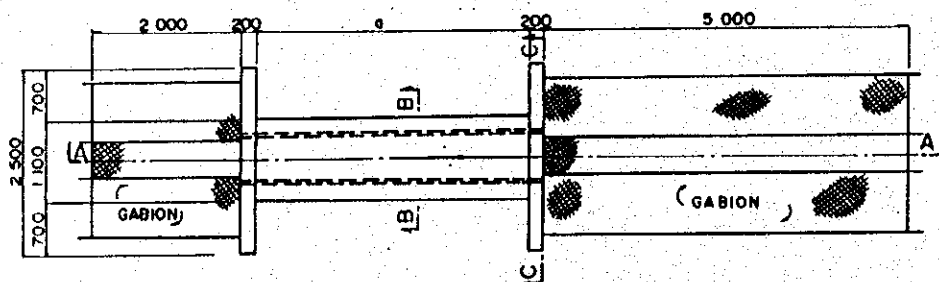


SECTION B - B

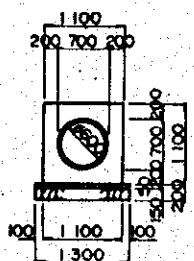


CANAL CROSS CULVERT (ENTRANCE WORKS) SCALE 1:50

PLAN

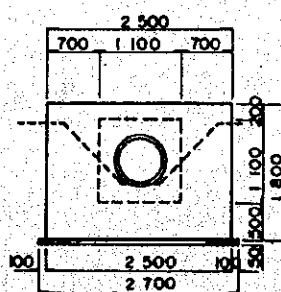


SECTION B - B

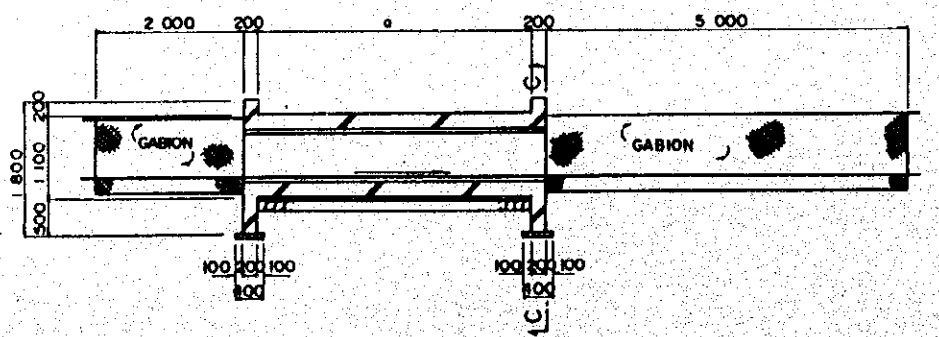


Canal Cross Culvert (Drainage) (Entrance Works)			
	Road Type	e	f
Type 1	b = 3	3000	600
Type 2	b = 5	5000	600

SECTION C - C

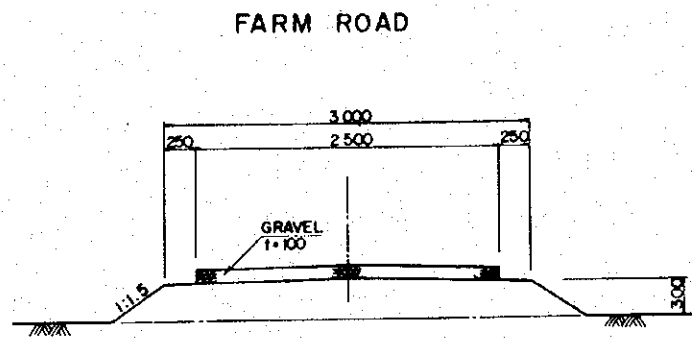


SECTION A - A

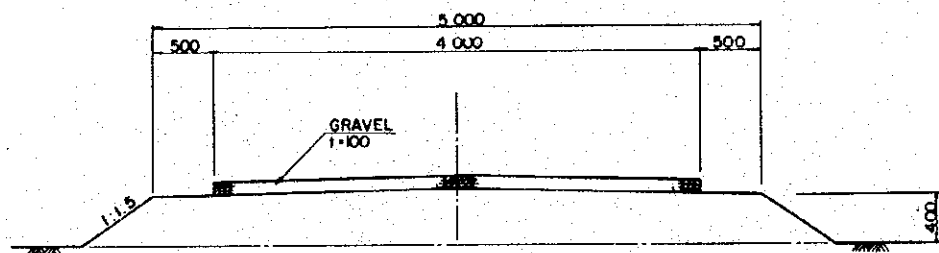


THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
DRAINAGE FACILITIES (2/2)			
Date		No.	15
JAPAN INTERNATIONAL COOPERATION AGENCY			

FARM ROAD TYPICAL SECTION SCALE 1:30

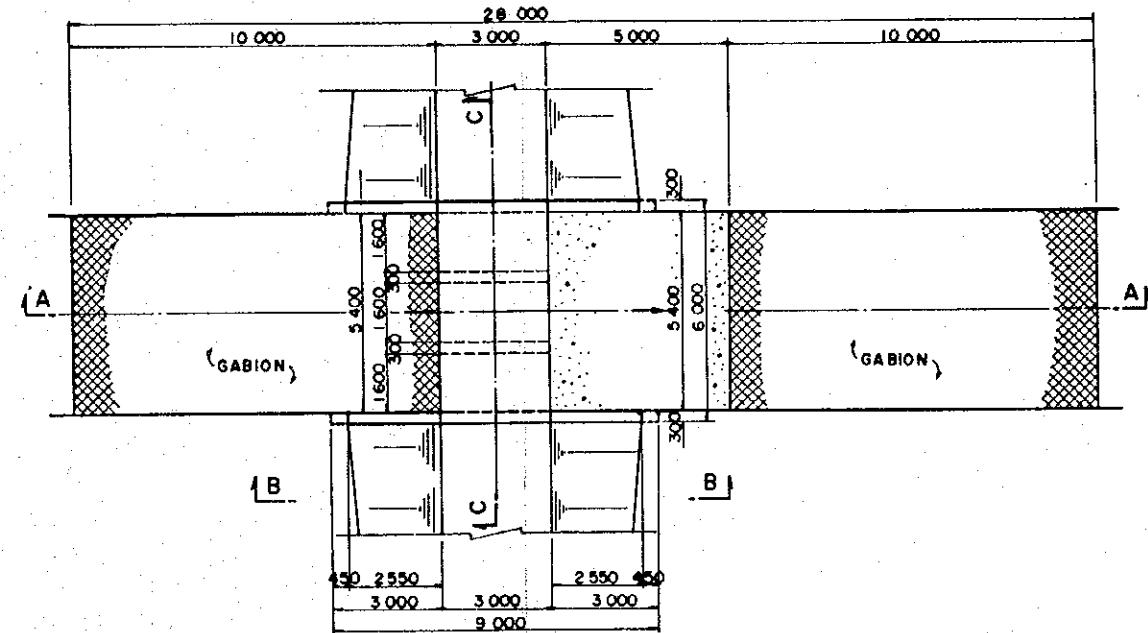


SECONDARY ROAD

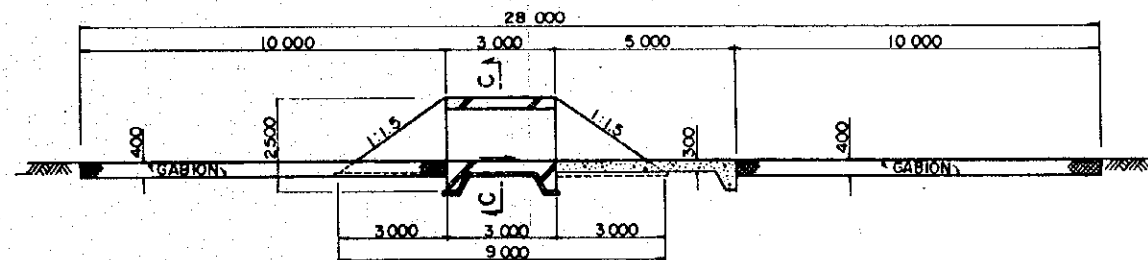


BOX CULVERT SCALE 1:100

PLAN

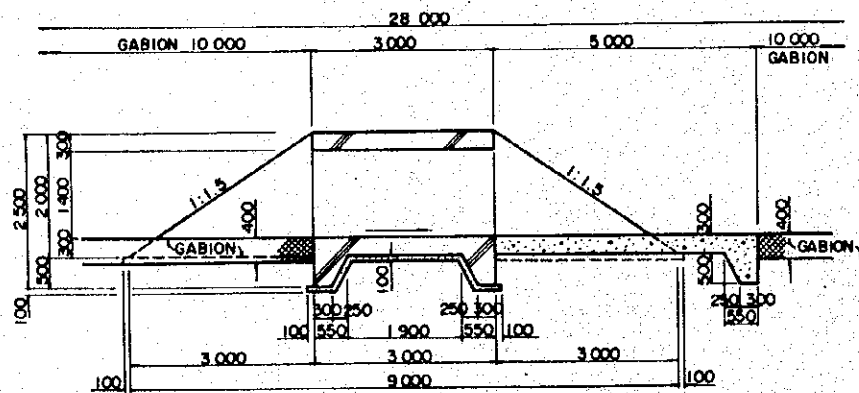


SECTION A-A

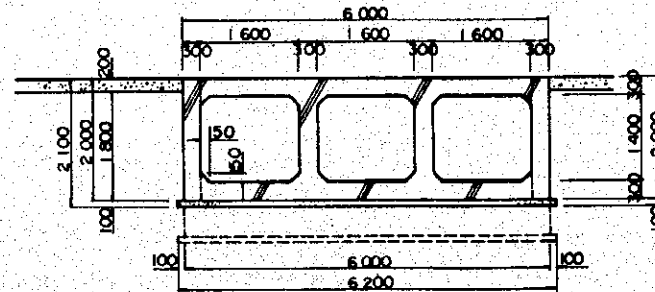


BOX CULVERT DETAIL SCALE 1:60

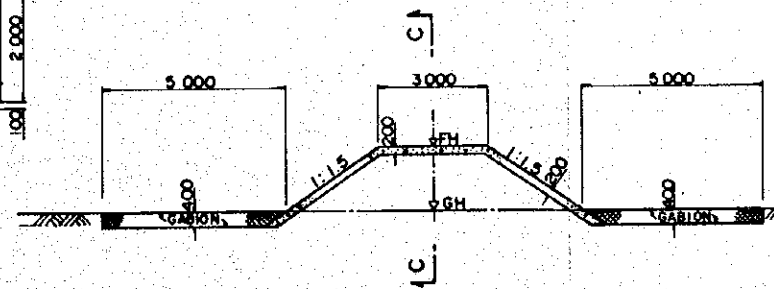
SECTION A-A



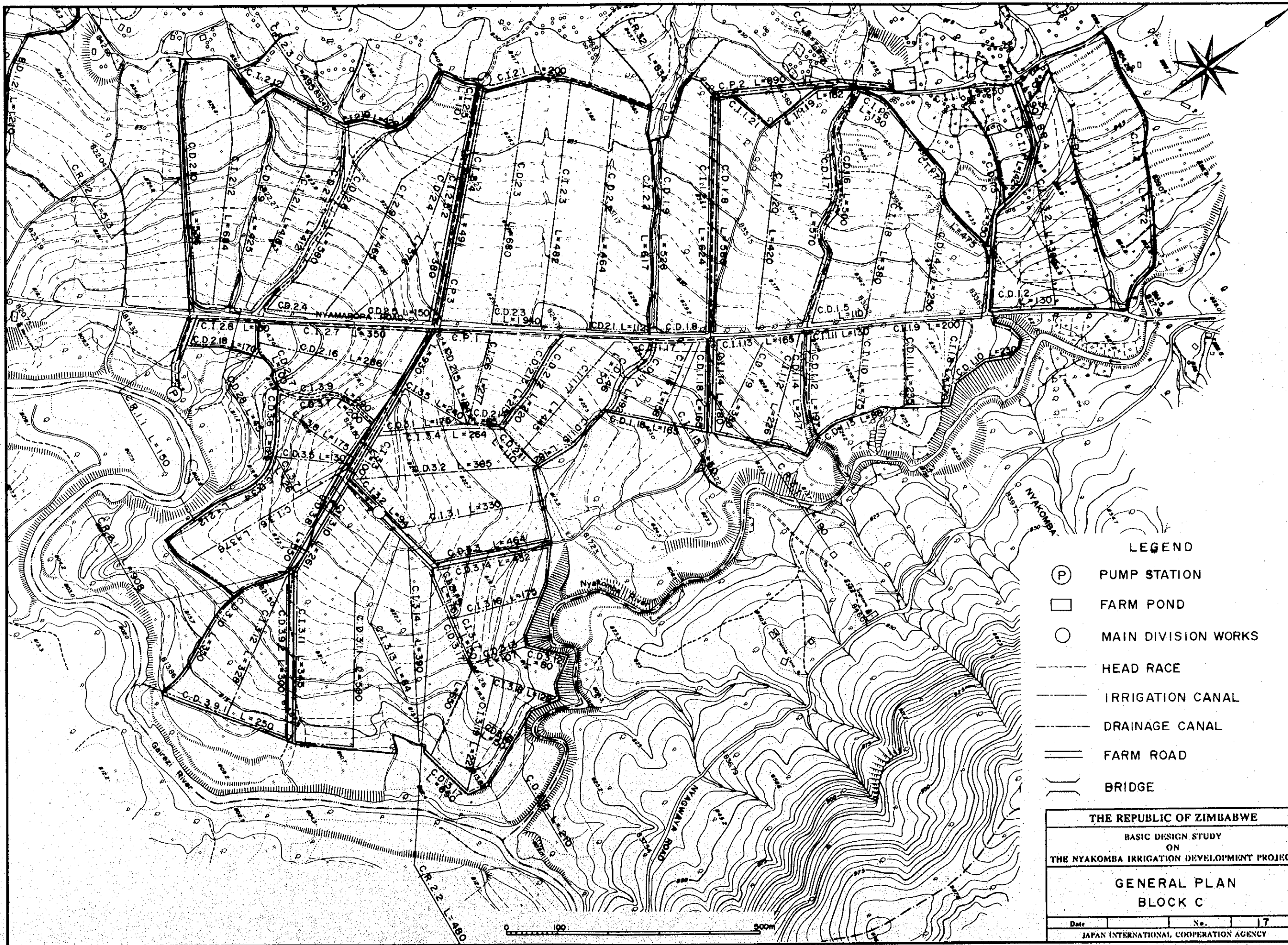
SECTION C-C



SECTION B-B
FARM ROAD PROTECTION



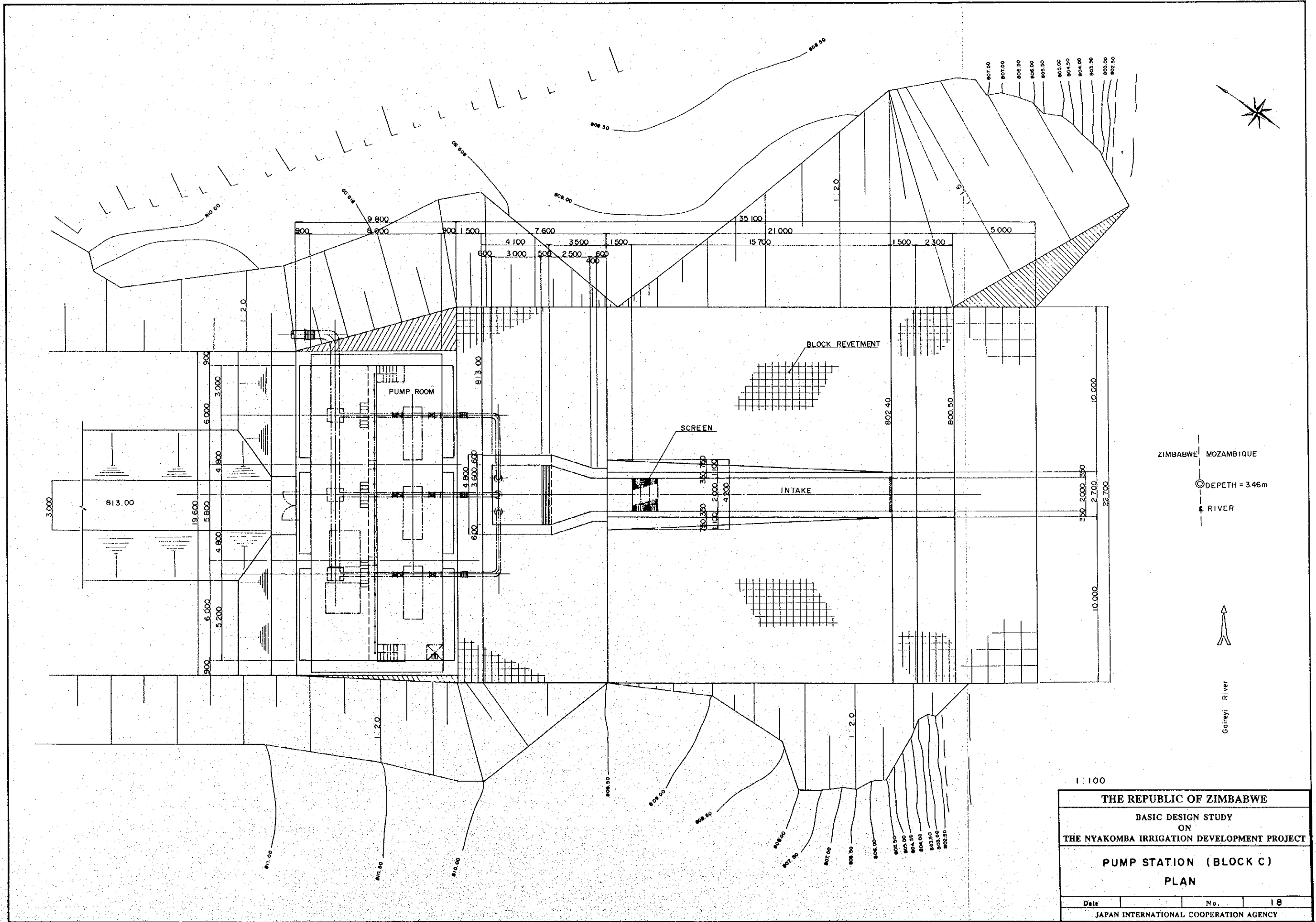
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
FARM ROADS			
Date	No.	16	
JAPAN INTERNATIONAL COOPERATION AGENCY			



LEGEND

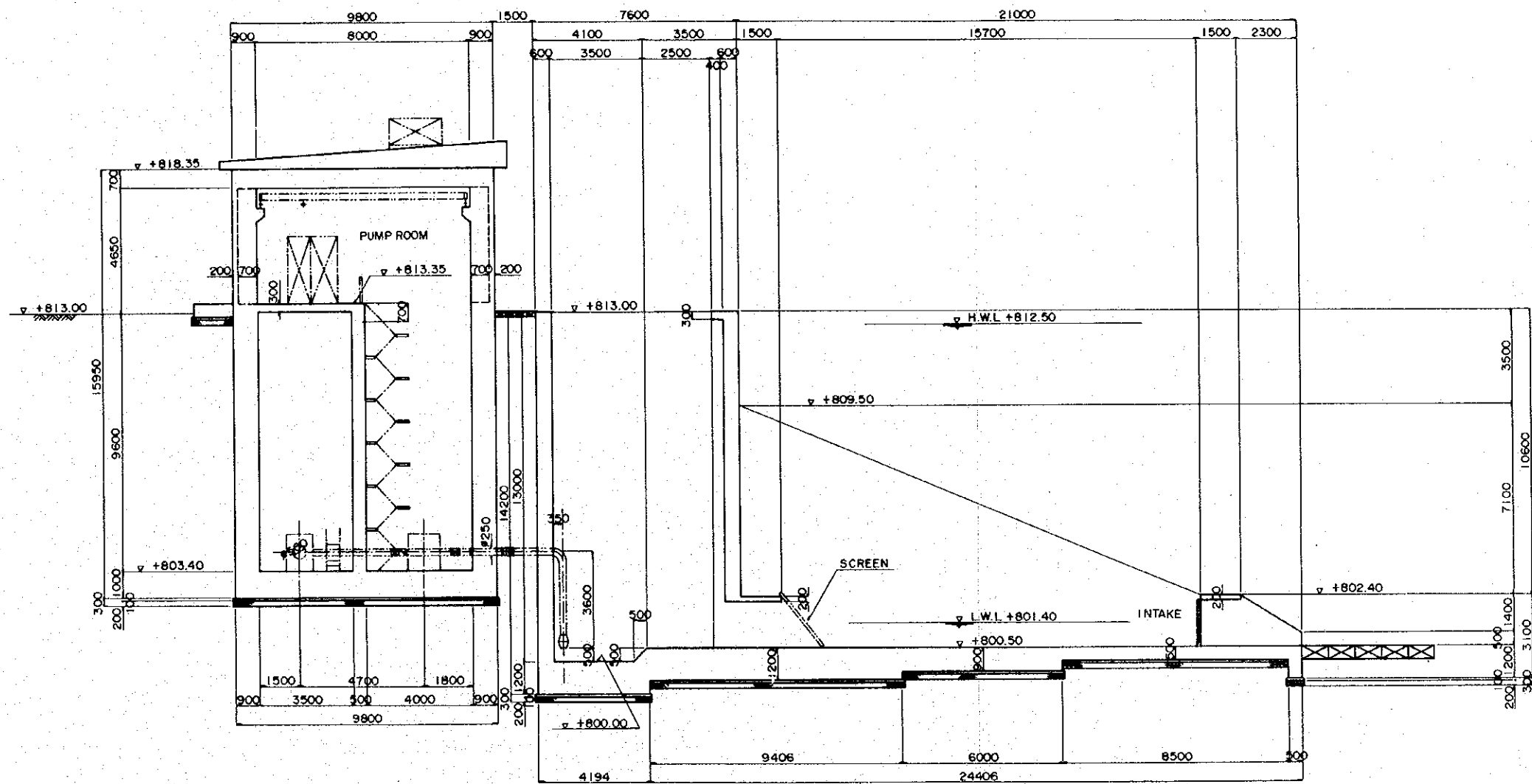
- (P) PUMP STATION
- [] FARM POND
- (O) MAIN DIVISION WORKS
- HEAD RACE
- IRRIGATION CANAL
- DRAINAGE CANAL
- == FARM ROAD
- ||| BRIDGE

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
GENERAL PLAN BLOCK C			
Date		No.	17
JAPAN INTERNATIONAL COOPERATION AGENCY			



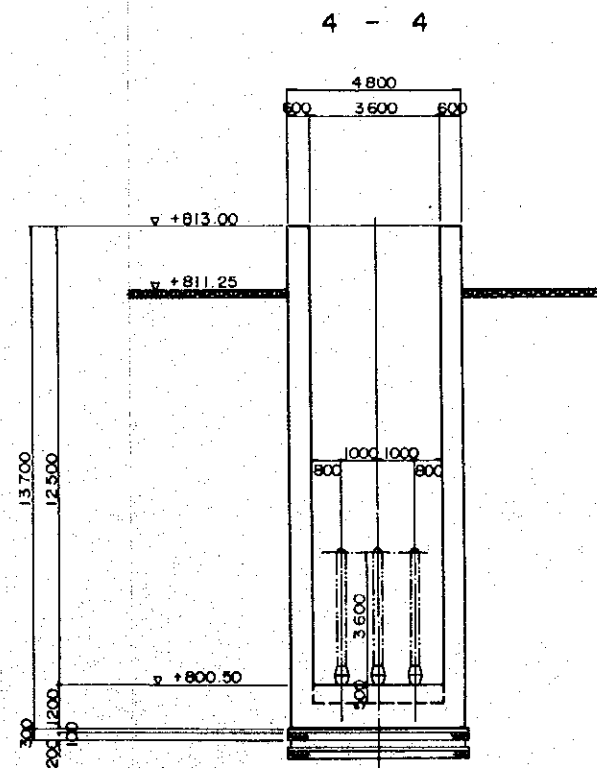
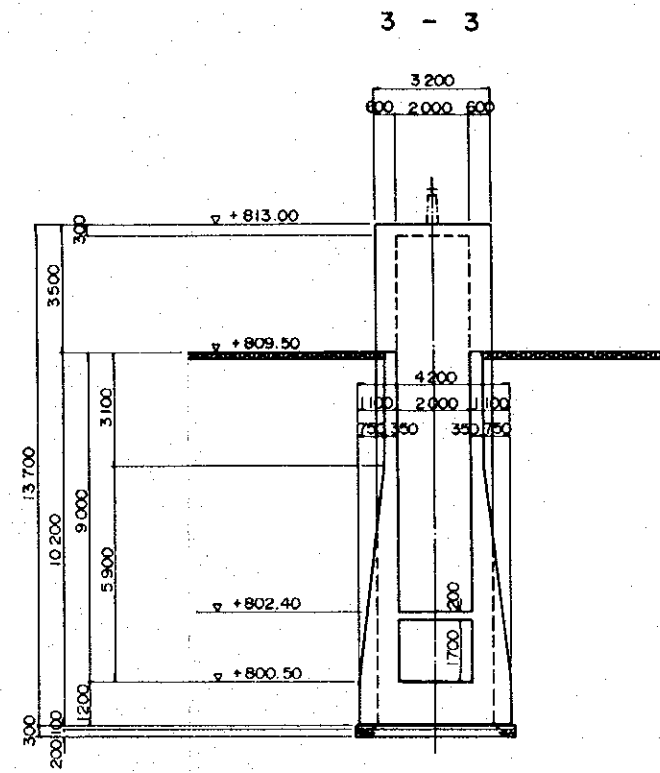
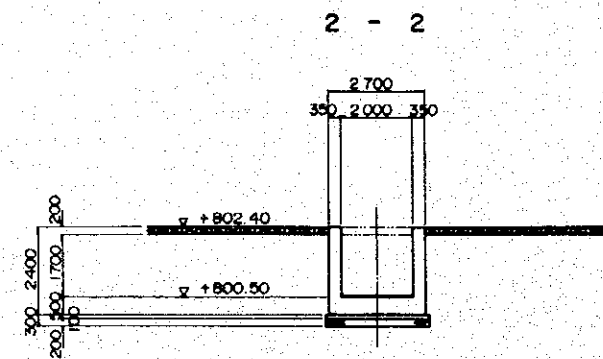
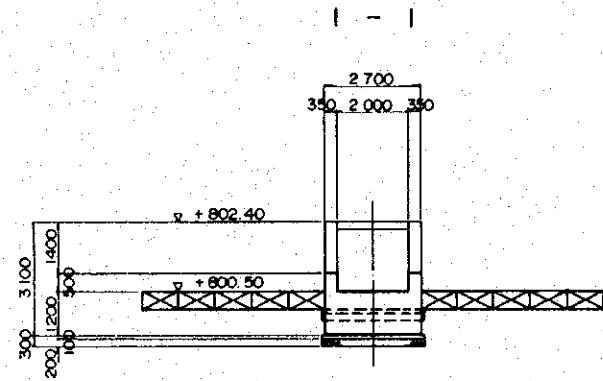
1:100

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK C)			
PLAN			
Date	No.	18	
JAPAN INTERNATIONAL COOPERATION AGENCY			



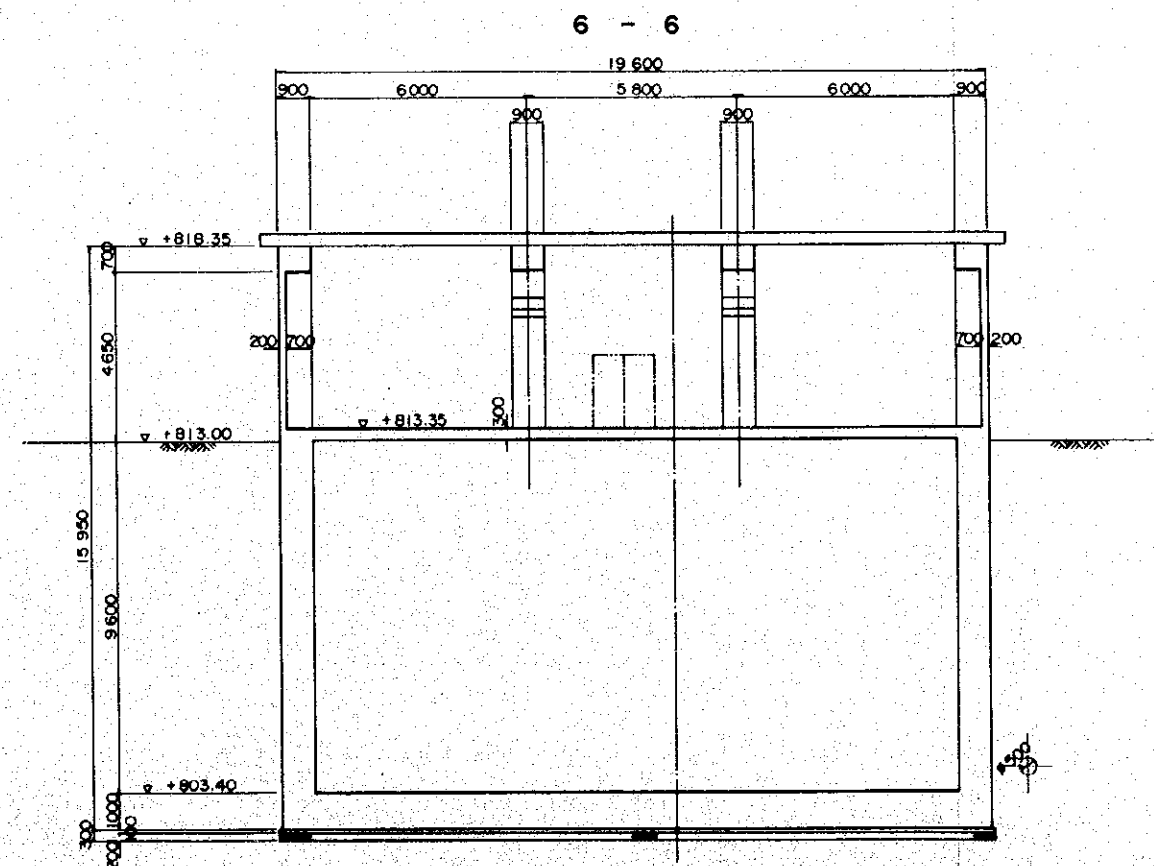
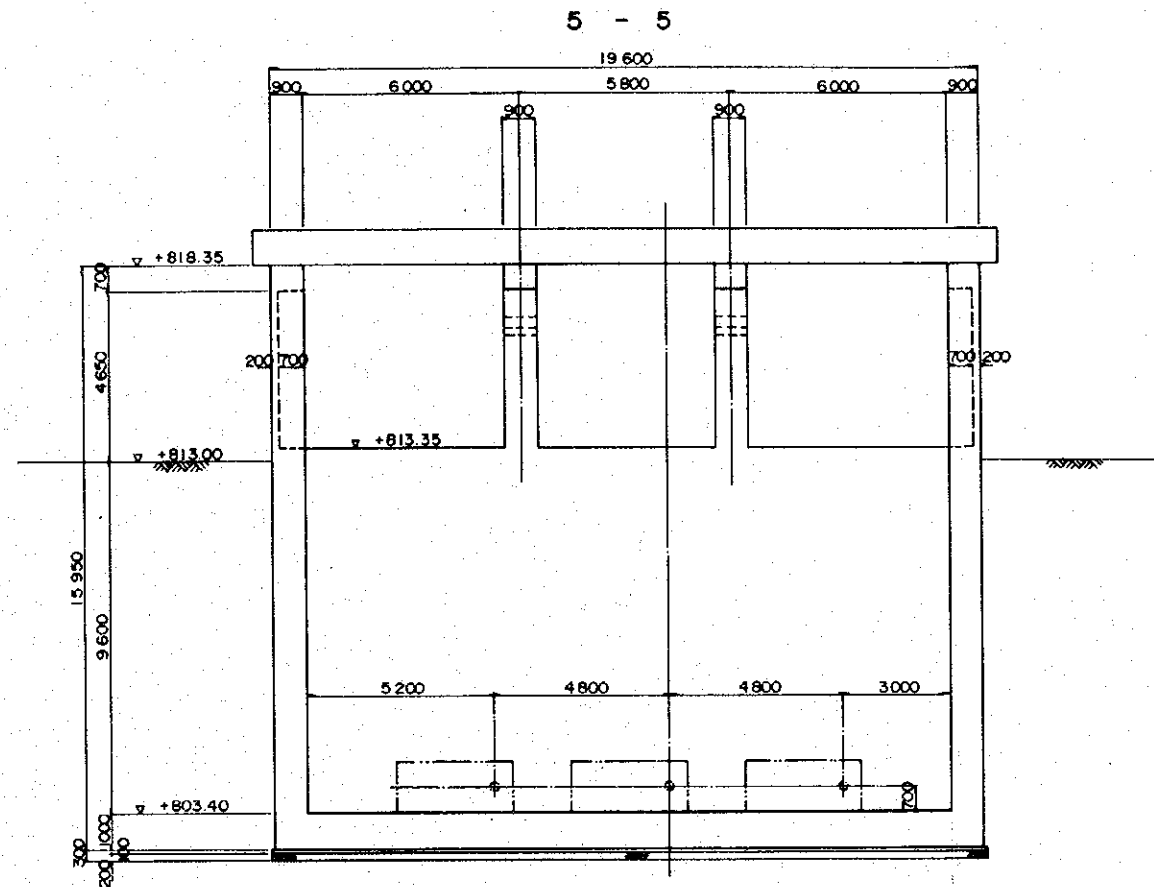
1 : 100

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK C) SECTION			
Date		No.	19
JAPAN INTERNATIONAL COOPERATION AGENCY			



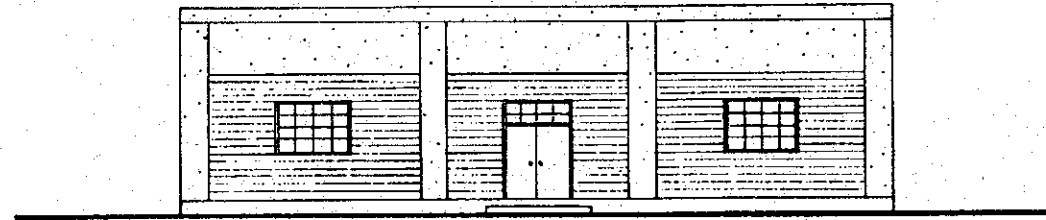
1 : 100

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK C)			
STRUCTURES (I)			
Date		No.	20
JAPAN INTERNATIONAL COOPERATION AGENCY			

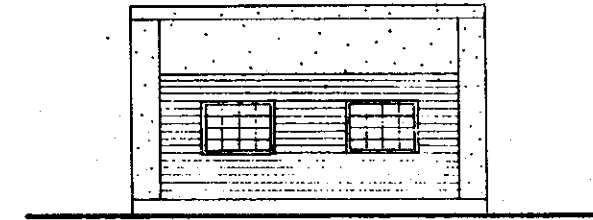


1 : 100

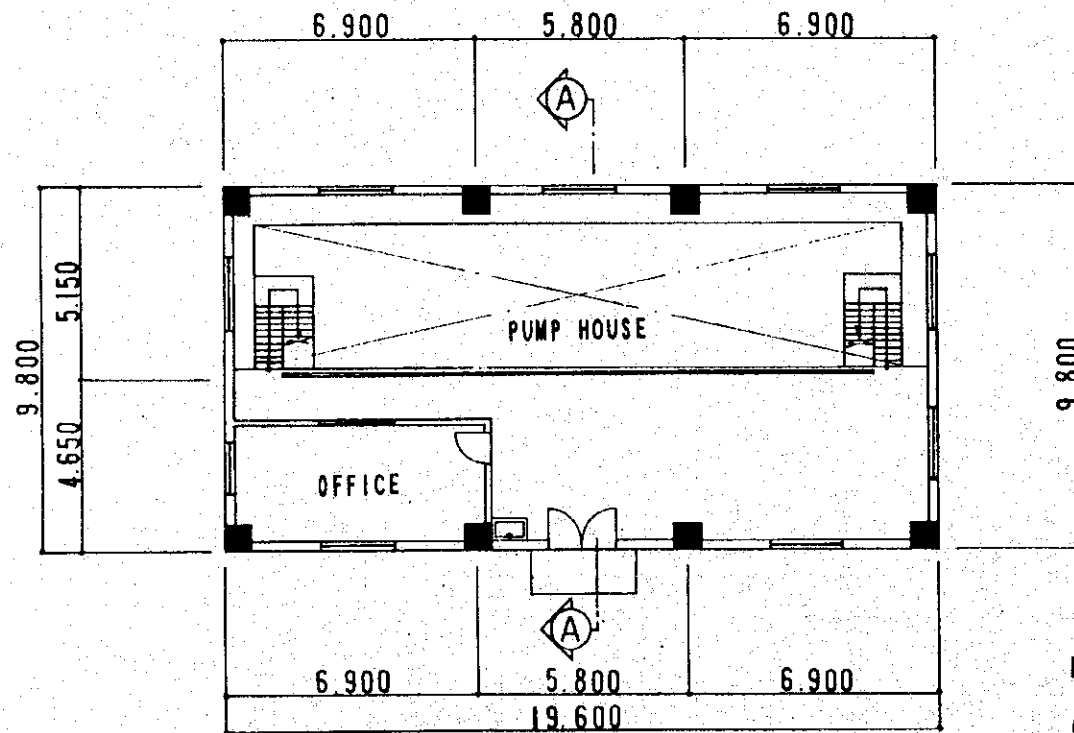
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION (BLOCK C)			
STRUCTURES (2)			
Date		No.	21
JAPAN INTERNATIONAL COOPERATION AGENCY			



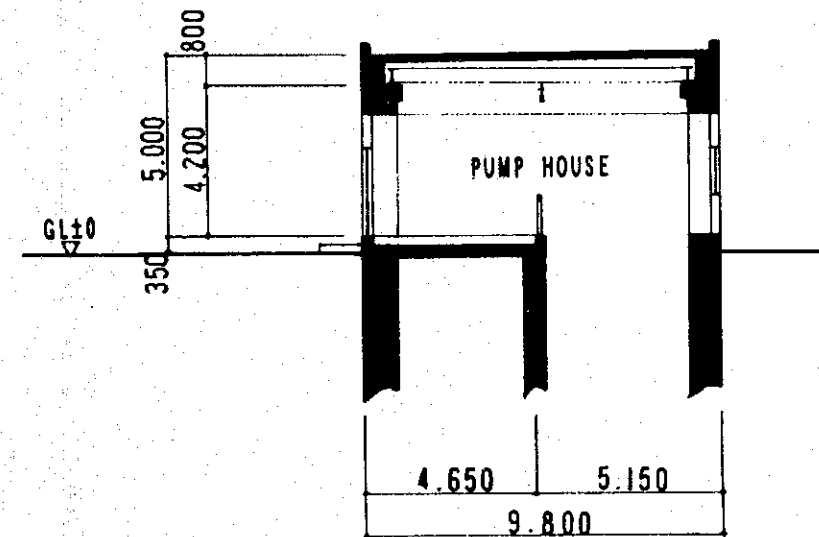
WEST ELEVATION



SOUTH ELEVATION



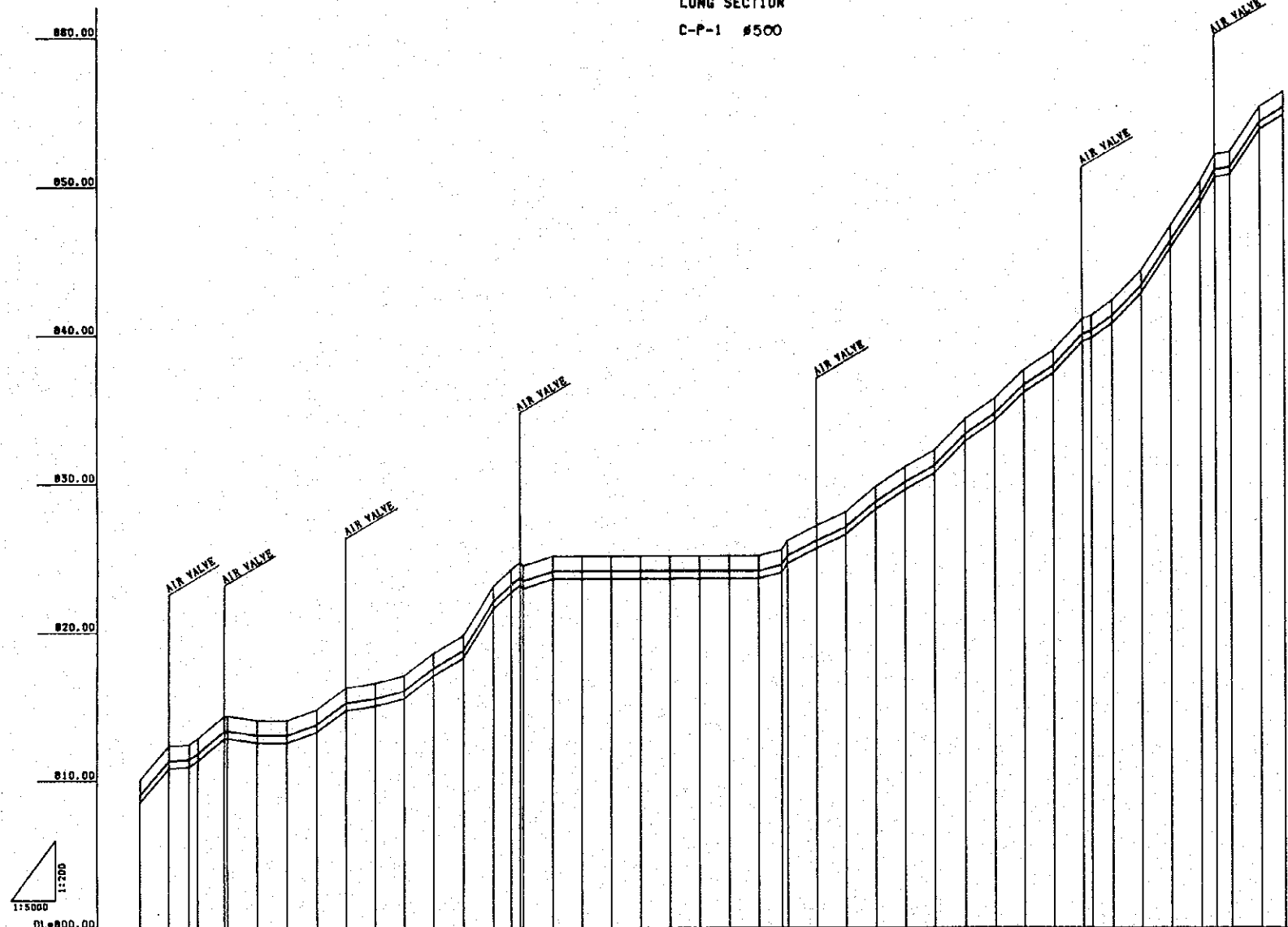
FLOOR PLAN
(B) .(C) BLOCK



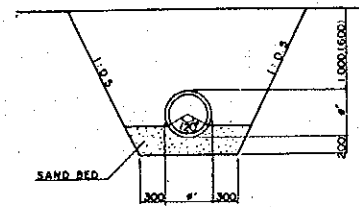
SECTION A-A

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON			
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PUMP STATION HOUSE			
Date		No.	22
JAPAN INTERNATIONAL COOPERATION AGENCY			

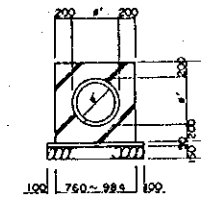
LONG SECTION
C-P-1 #500



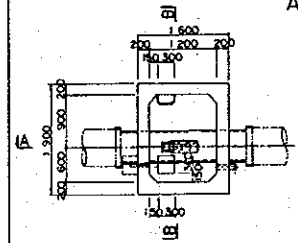
TYPICAL SECTION



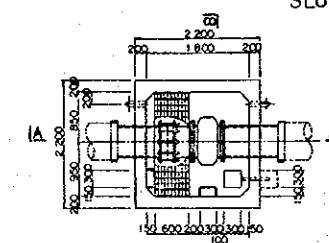
CONCRETE PROTECTION



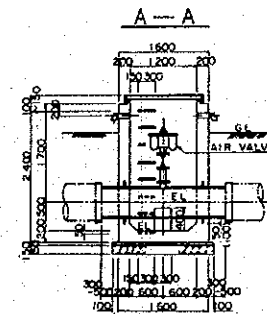
AIR VALVE



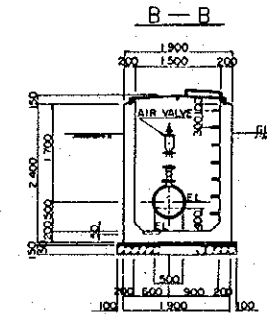
SLUICE VALVE #400-#500



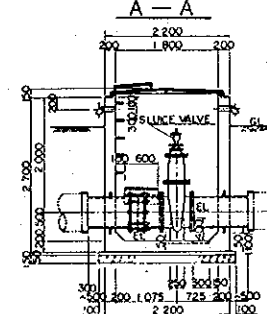
A-A



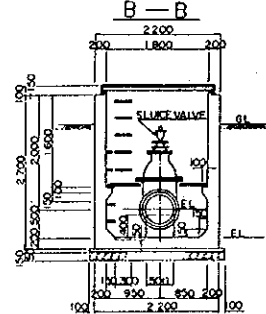
B-B



A-A



B-B

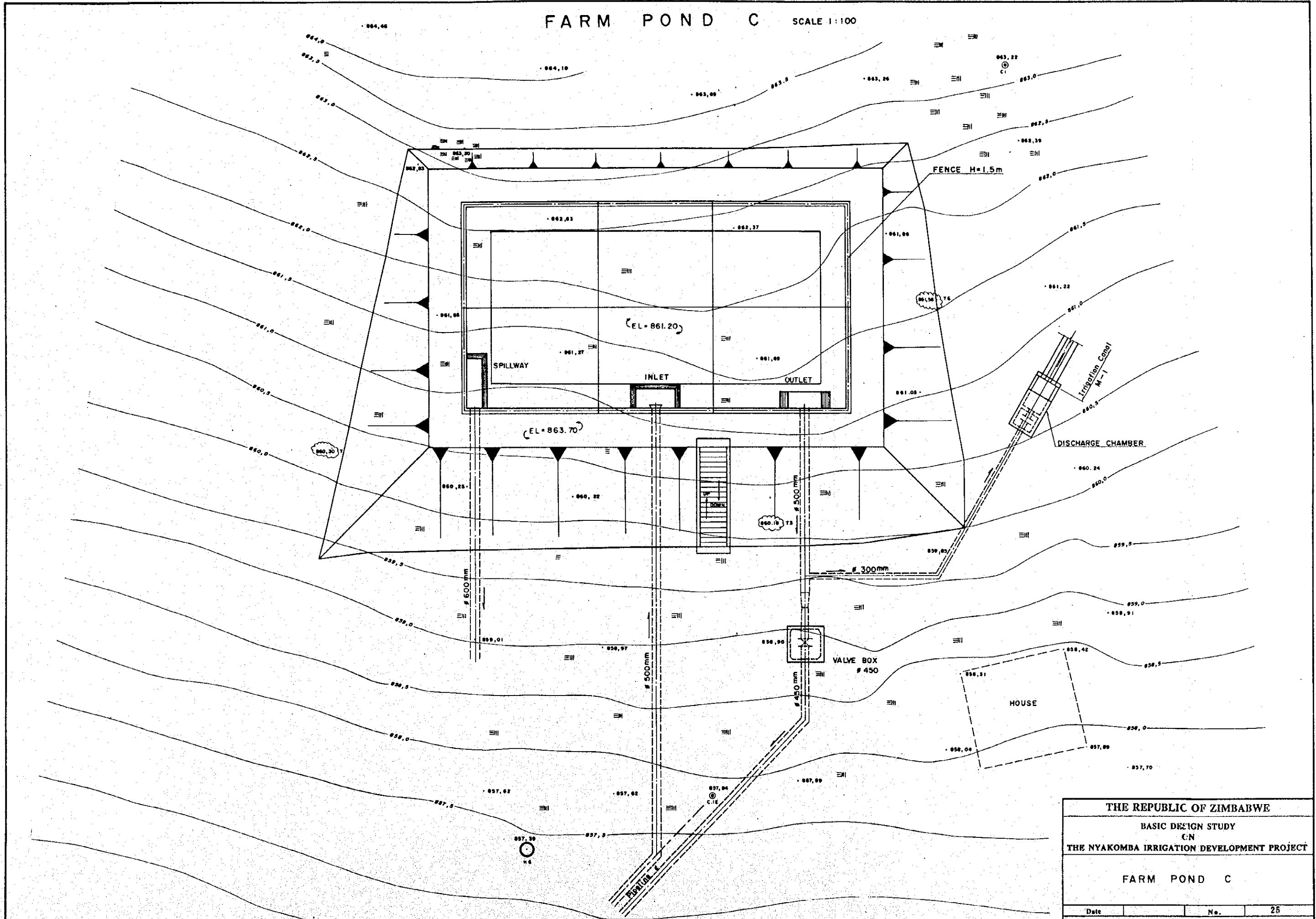


PIPE	DUCTILE CAST-IRON PIPE #500 L=1941m	
PIPE Q	0.00	1941.00
ELVATION	808.750	854.750
GROUND LEVEL	819.00	855.00
ACCUMULATED DISTANCE	0.00	1941.00
DISTANCE	0.00	1941.00
STATION	0+00	19+41
CURVE	1A=18°30' 1A=74°00'	1A=81°30' 1A=11°30'

THE REPUBLIC OF ZIMBABWE
BASIC DESIGN STUDY
ON
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT
HEAD RACE (1)
LONG SECTION C-P-1

Date: _____ No. 23
JAPAN INTERNATIONAL COOPERATION AGENCY

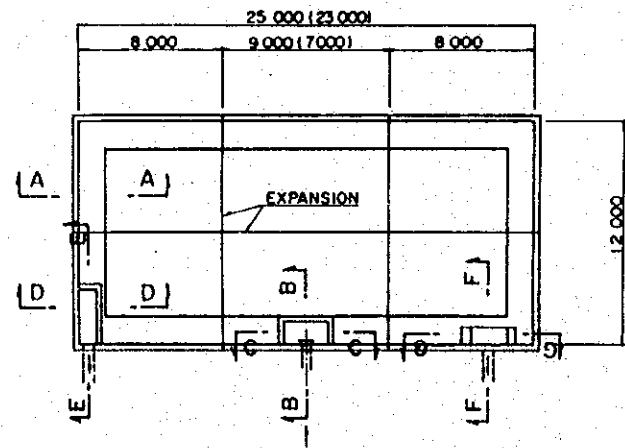
FARM POND C SCALE 1:100



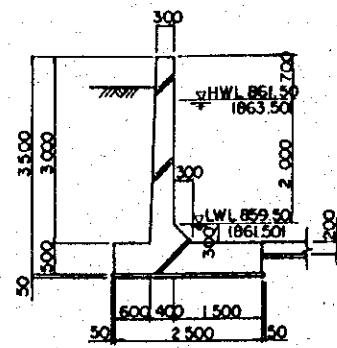
THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY		
ON		
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
FARM POND C		
Date	No.	26
JAPAN INTERNATIONAL COOPERATION AGENCY		

FARM POND

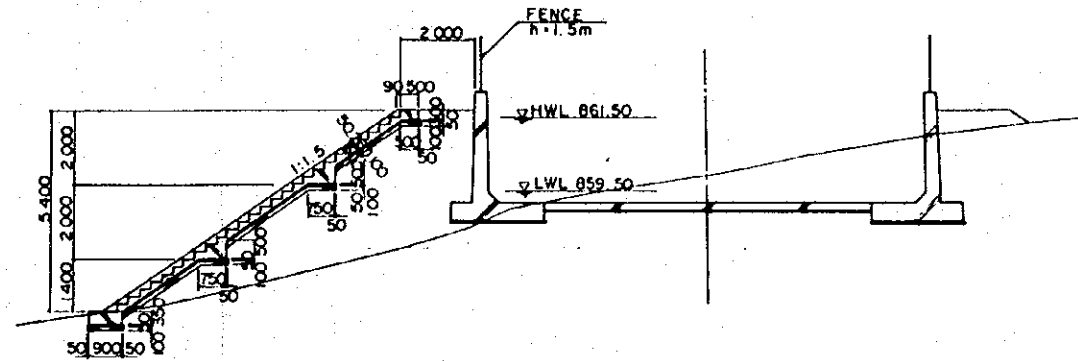
PLAN SCALE 1:200



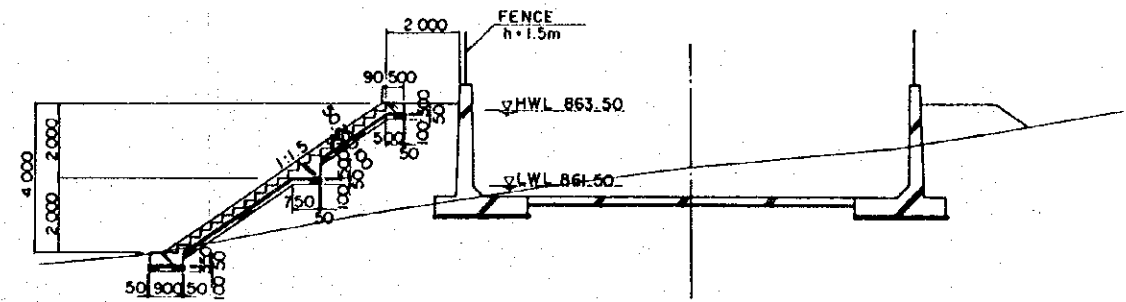
SECTION A-A SCALE 1:60



STAIR CASE SECTION (FARM POND B) SCALE 1:100



STAIR CASE SECTION (FARM POND C) SCALE 1:100

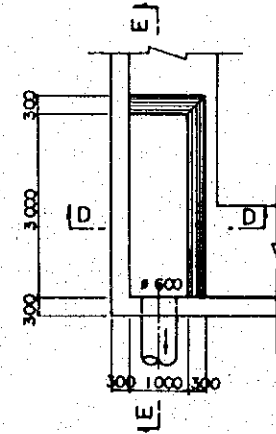
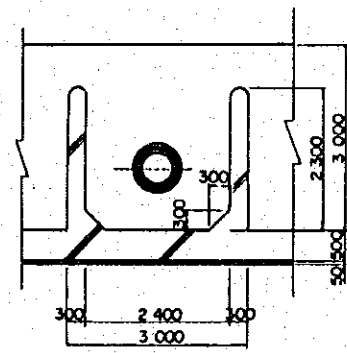
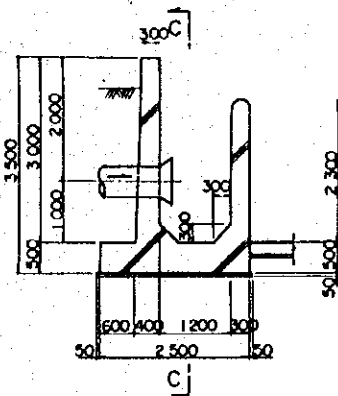


INLET SCALE 1:60

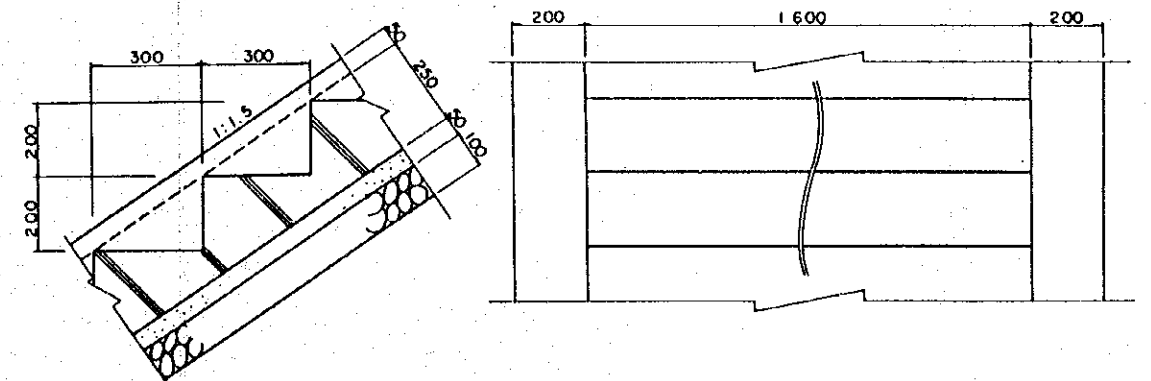
SPILL WAY SCALE 1:60

SECTION B-B

SECTION C-C



STAIR CASE DETAIL SCALE 1:10



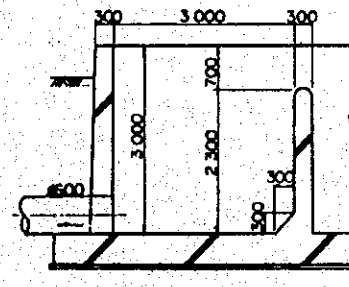
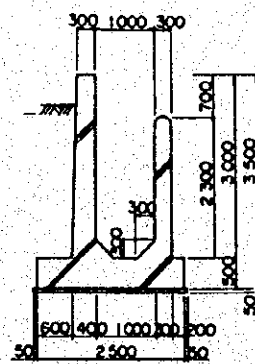
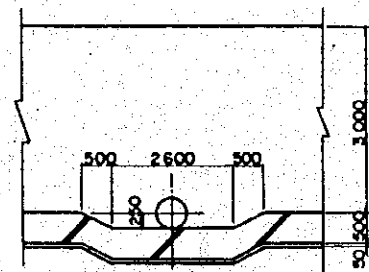
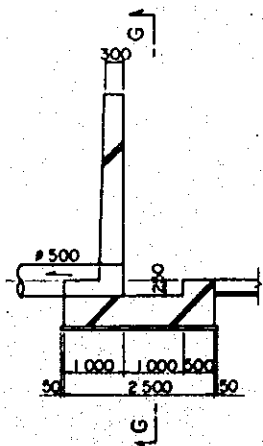
OUTLET SCALE 1:60

SECTION F-F

SECTION G-G

SECTION D-D

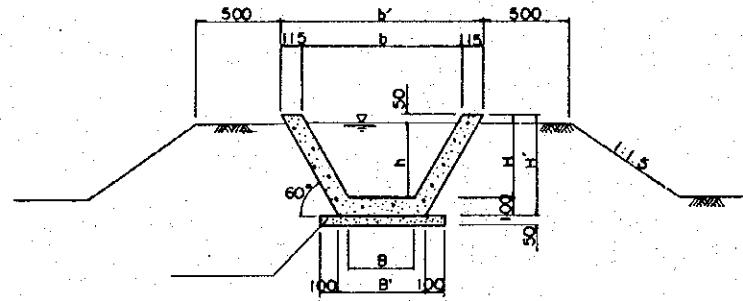
SECTION E-E



THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
DETAILS OF FARM POND			
Date	No.	26	
JAPAN INTERNATIONAL COOPERATION AGENCY			

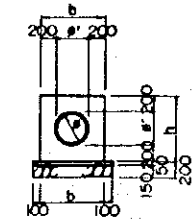
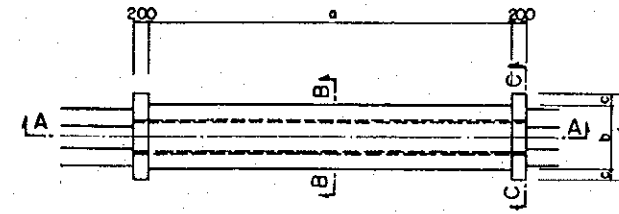
IRRIGATION FACILITIES (1/3)

IRRIGATION CANAL SCALE 1:20
TYPICAL SECTION

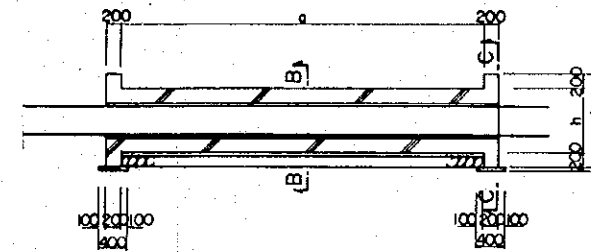


	B	B'	b	b'	H	H'	h
Type B	350	465	870	1100	450	550	400
Type C	300	415	762	992	400	500	350
Type D	250	364	654	884	350	450	300
Type E	200	314	546	776	300	400	250

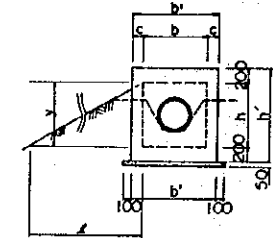
CANAL CROSS CULVERT (ENTRANCE WORKS) SCALE 1:50
PLAN SECTION B-B



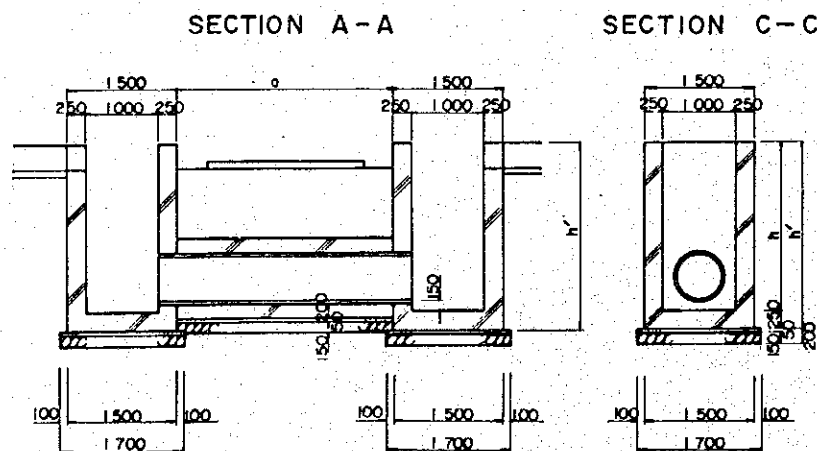
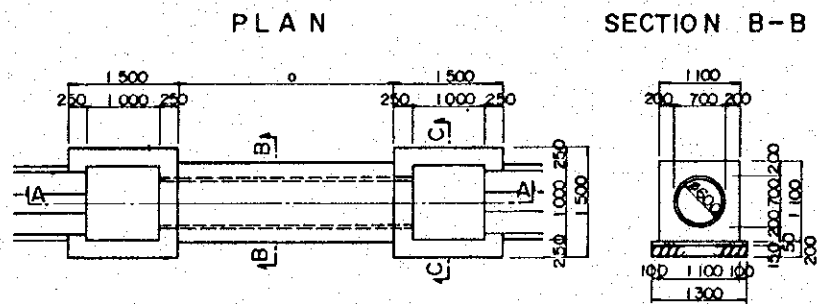
SECTION A-A



SECTION C-C



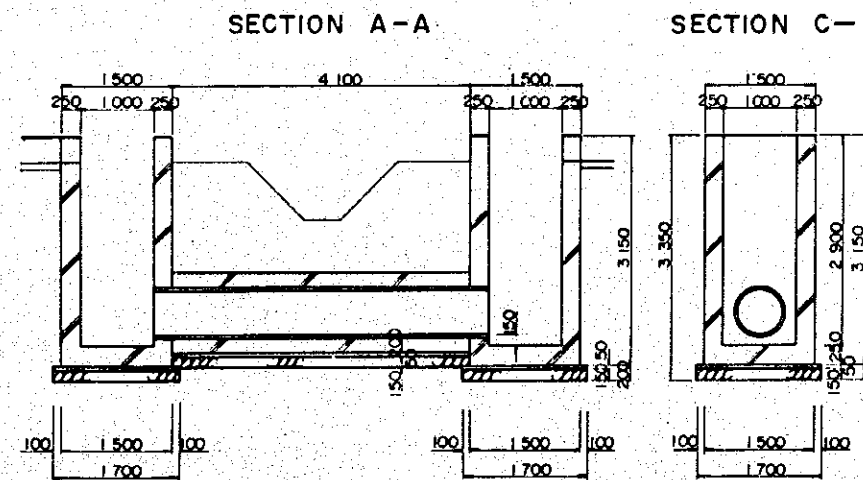
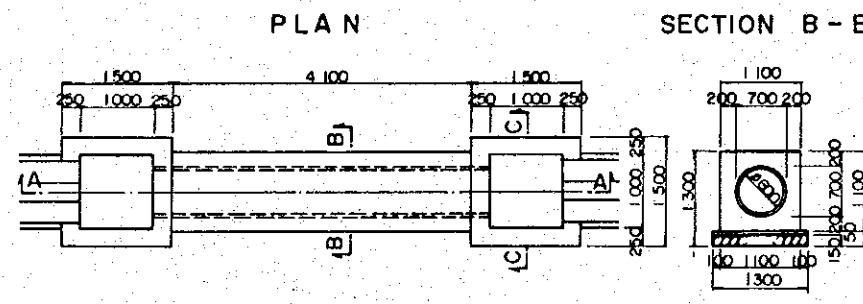
ROAD CROSS SIPHON SCALE 1:50



Road Cross Siphon (Irrigation)

	a	#	h	h'	l (l')
Type 1	3,000	600	2,400	2,650	50
Type 2	7,000	600	2,400	2,650	50
Type 3	10,000	600	3,150	3,400	50
Type 4	15,000	600	3,150	3,400	50
Type 5	19,000	600	3,150	3,400	50

CANAL CROSS SIPHON SCALE 1:50

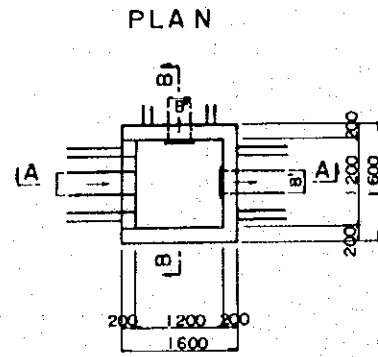


Canal Cross Culvert (Irrigation)
(Entrance Works)

Canal Type	a	#	b	c	b'	#	h	h'	y	l	l'
Type 1-3 B(B=350)	3,000	450	926	172	1,270	526	926	1,326	938	7,817	38
Type 1-5 B(B=350)	5,000	450	926	172	1,270	526	926	1,326	938	7,817	38
Type 2-3 C(B=300)	3,000	400	870	146	1,162	470	870	1,270	885	7,375	35
Type 2-5 C(B=300)	5,000	400	870	146	1,162	470	870	1,270	885	7,375	35
Type 3-3 D(B=250)	3,000	350	814	120	1,054	414	814	1,214	832	6,933	32
Type 3-5 D(B=250)	5,000	350	814	120	1,054	414	814	1,214	832	6,933	32
Type 4-3 E(B=200)	3,000	300	760	93	945	360	760	1,160	780	6,500	30
Type 4-5 E(B=200)	5,000	300	760	93	945	360	760	1,160	780	6,500	30

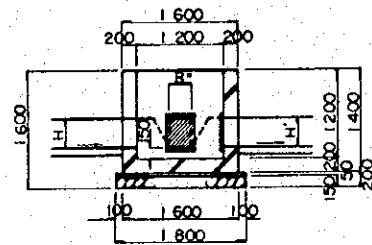
IRRIGATION FACILITIES (2/3)

DIVISION WORKS SCALE 1:50

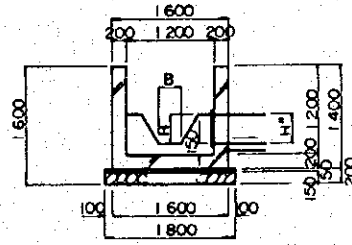


	B	H	B'	H'	GATE	B''	H''	GATE
TYPE 2	300	400	300	400	300x400 x 1	300	400	300x400 x 1
3	350	450	350	450	350x450 x 1	350	450	350x450 x 1
4	350	450	350	450	350x450 x 1	200	300	200x300 x 1
5	350	450	350	450	350x450 x 1	300	400	300x400 x 1
6	350	450	300	400	300x400 x 1	250	350	250x350 x 1
7	350	450	300	400	300x400 x 1	300	400	300x400 x 1
8	350	450	350	450	350x450 x 1	250	350	250x350 x 1
9	300	400	250	350	250x350 x 1	250	350	250x350 x 1

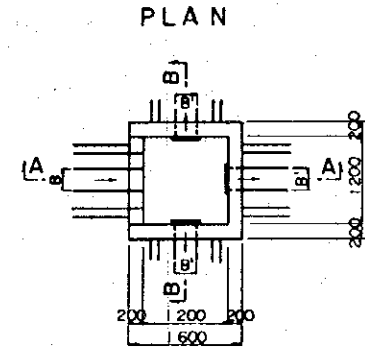
SECTION A-A



SECTION B-B

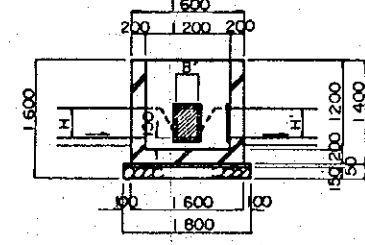


DIVISION WORKS SCALE 1:50

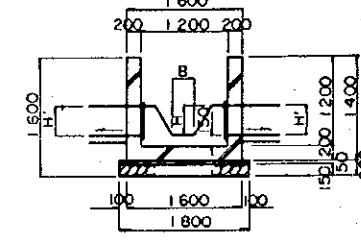


	B	H	B'	H'	GATE
TYPE 1	300	400	300	400	300x400 x 3
TYPE 10	300	400	250	350	250x350 x 3

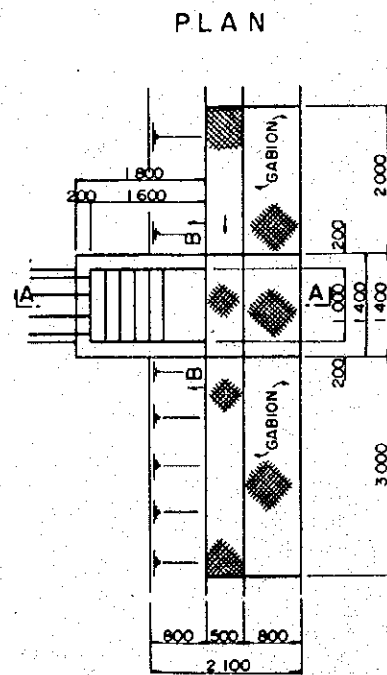
SECTION A-A



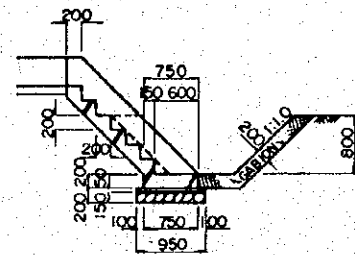
SECTION B-B



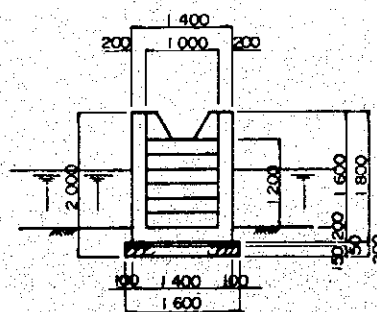
CHUTE SCALE 1:50



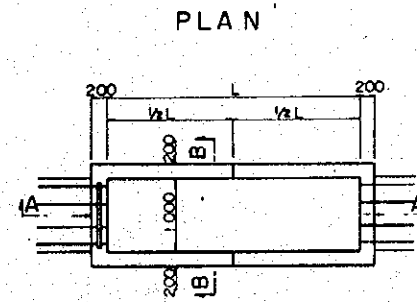
SECTION A-A



SECTION B-B

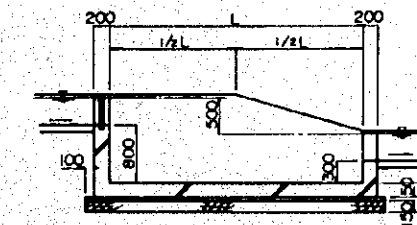


DROP SCALE 1:50

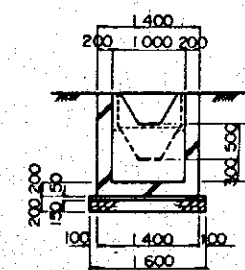


	L
Type B	3,500
Type C	3,500
Type D	3,000
Type E	3,000

SECTION A-A



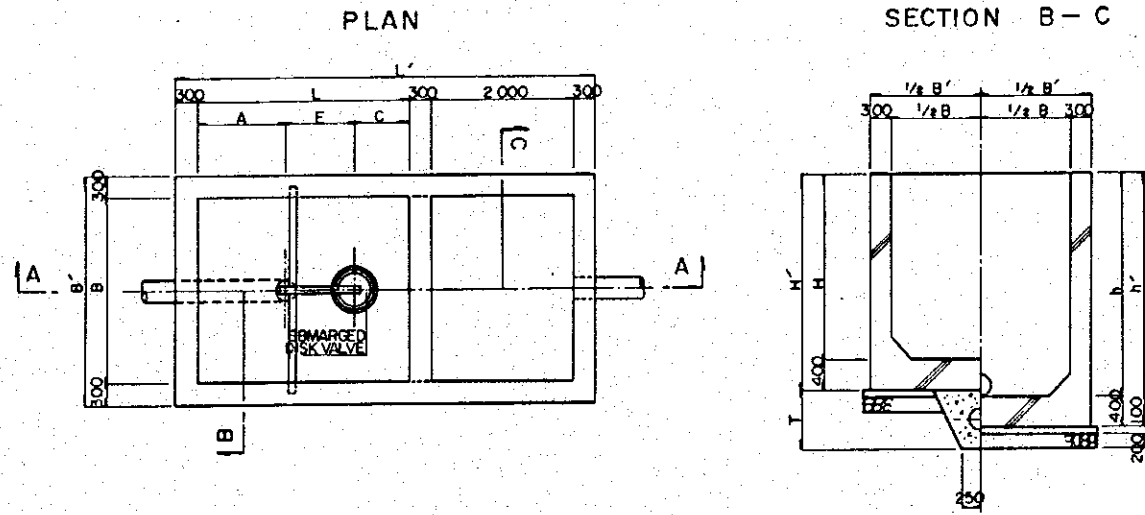
SECTION B-B



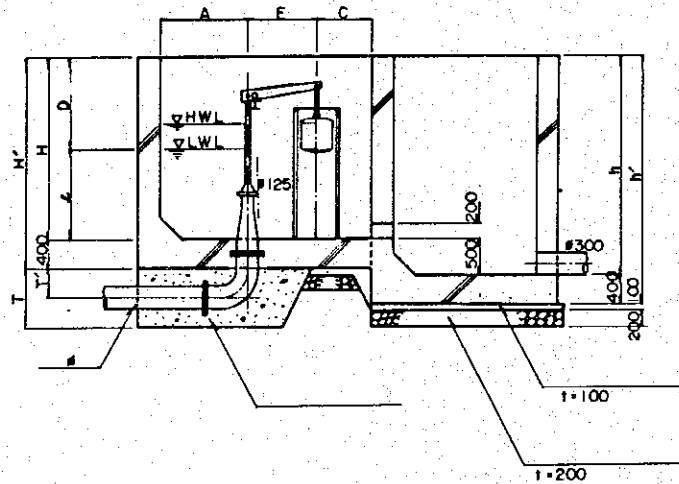
IRRIGATION FACILITIES (3/3)

MAIN DIVISION WORKS

SCALE 1:50

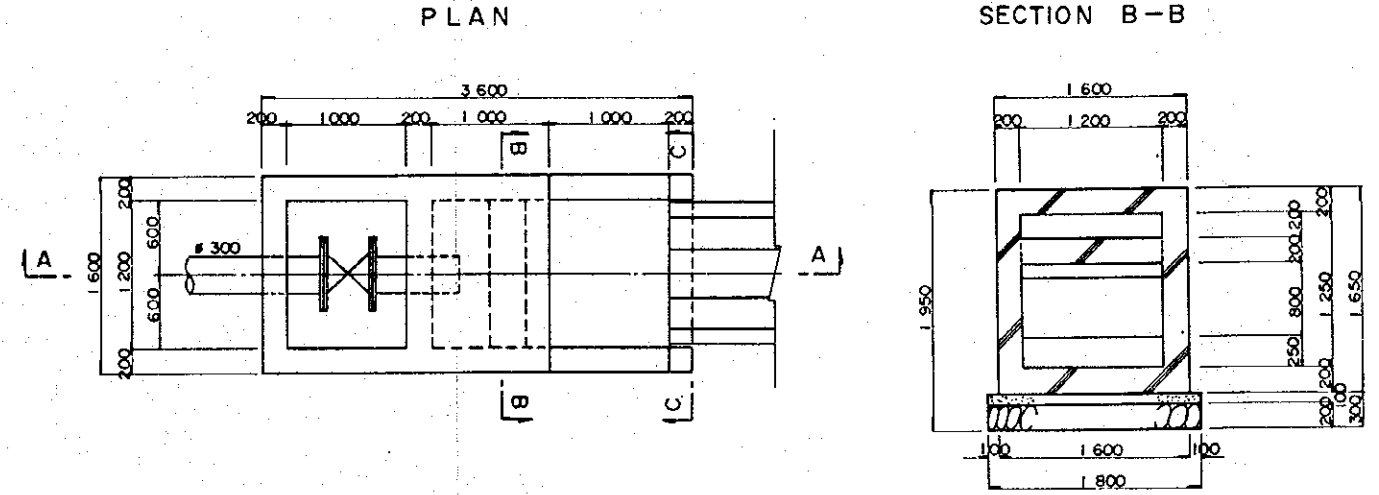


SECTION A-A

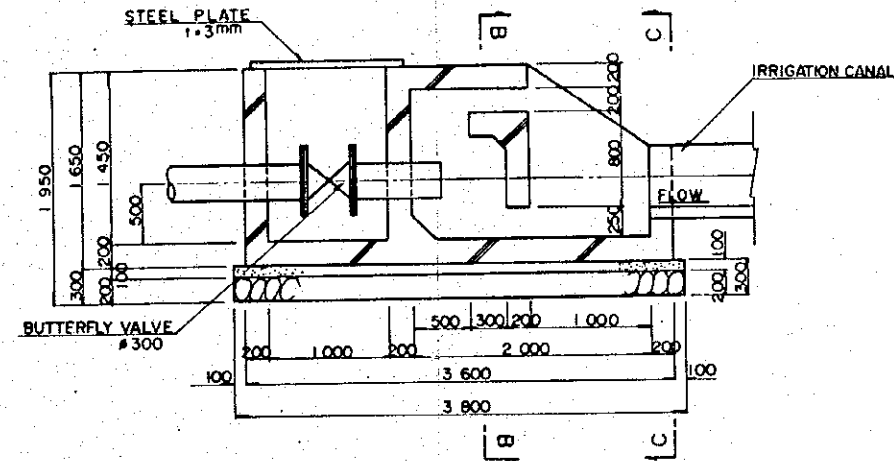


DISCHARGE CHAMBER

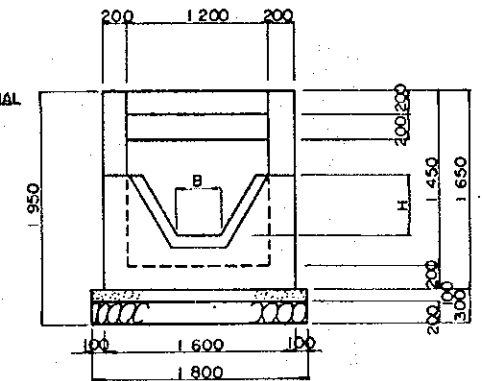
SCALE 1:30



SECTION A-A



SECTION C-C



MAIN DIVISION WORKS

Type	A	B	B'	C	D	E	H	H'	h	N'	L	L'	∠	T	T'	#	SUBMARGED DISK VALVE
M-1	1250	2500	3100	780	1250	970	2500	2900	3000	3400	3000	5900	1250	800	400	300	200x100x5.5x6 L=2800 #125 E=970
M-2	750	1500	2100	735	1150	815	1800	2200	2300	2700	2300	5200	650	700	300	200	150x75x5x7 L=1800 #125 E=815
M-2'	1300	2600	3200	805	1250	795	2500	2900	3000	3400	2900	5800	1250	800	400	300	200x100x5.5x6 L=2900 #125 E=795
M-3	1050	2100	2700	755	1250	795	2300	2700	2800	3200	2600	5500	1050	800	400	300	150x75x5x7 L=2400 #125 E=795
M-3'	1650	3300	3900	840	1350	910	3000	3400	3500	3900	3400	6300	1650	800	400	300	250x125x6x9 L=3600 #125 E=910
M-4	1150	2300	2900	780	1300	970	2400	2800	2900	3300	2900	5800	1100	800	400	300	200x100x5.5x6 L=2600 #125 E=970

DISCHARGE CHAMBER

	B	H	Canal Type
B M-1	300	400	C
B M-2	250	350	D
B M-3	300	400	C
B M-4	300	400	C
C M-1	350	450	B
C M-2	350	450	B
C M-3	350	450	B

THE REPUBLIC OF ZIMBABWE

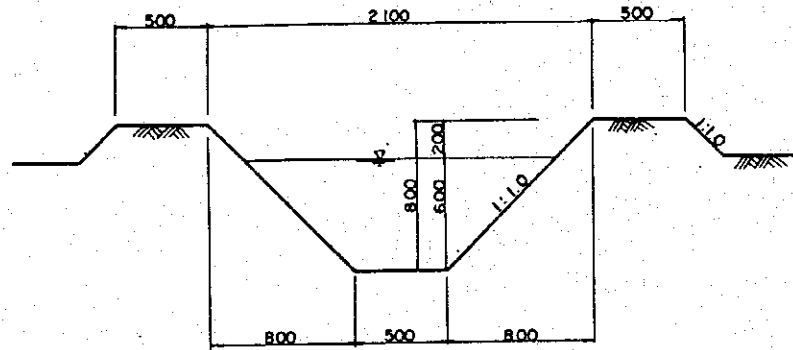
BASIC DESIGN STUDY
ON
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT

IRRIGATION FACILITIES (3/3)

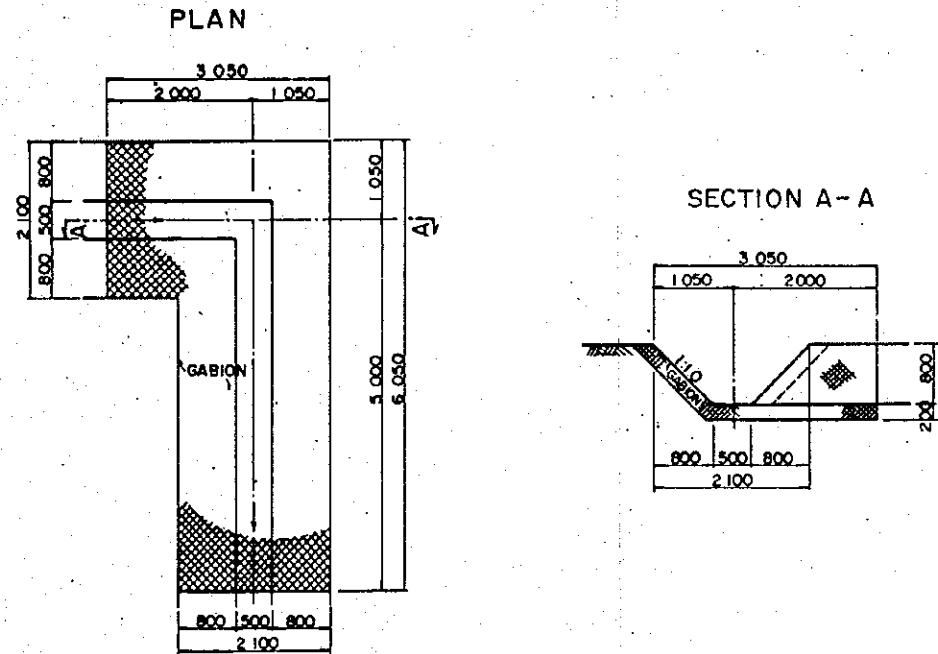
Date	No.	29
JAPAN INTERNATIONAL COOPERATION AGENCY		

DRAINAGE FACILITIES (1/2)

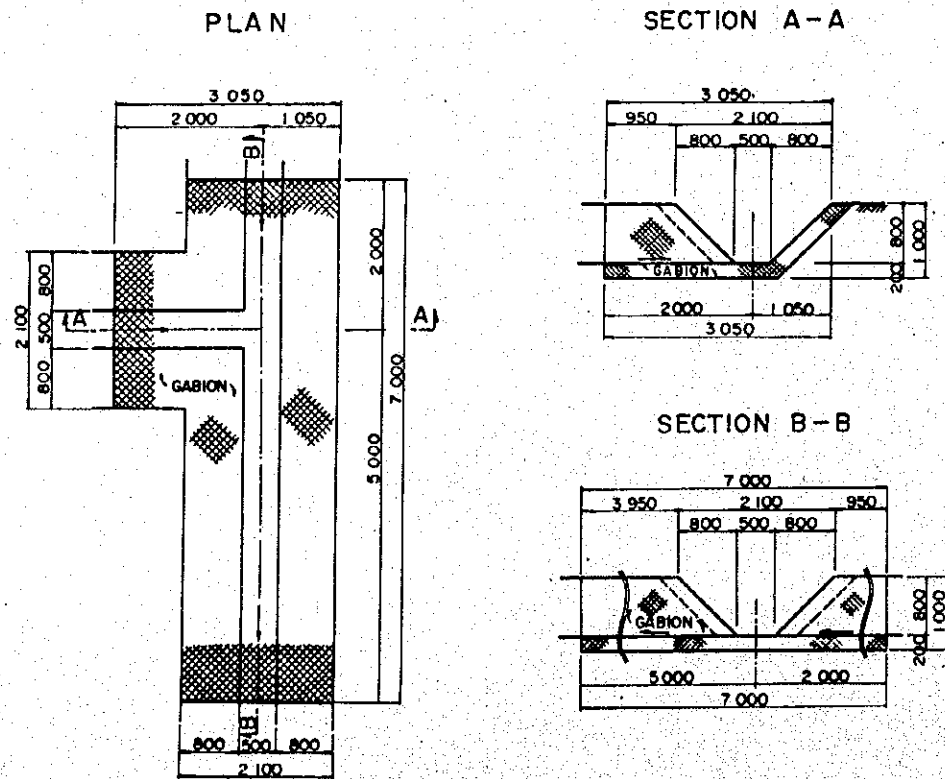
DRAINAGE CANAL TYPICAL SECTION SCALE 1:20



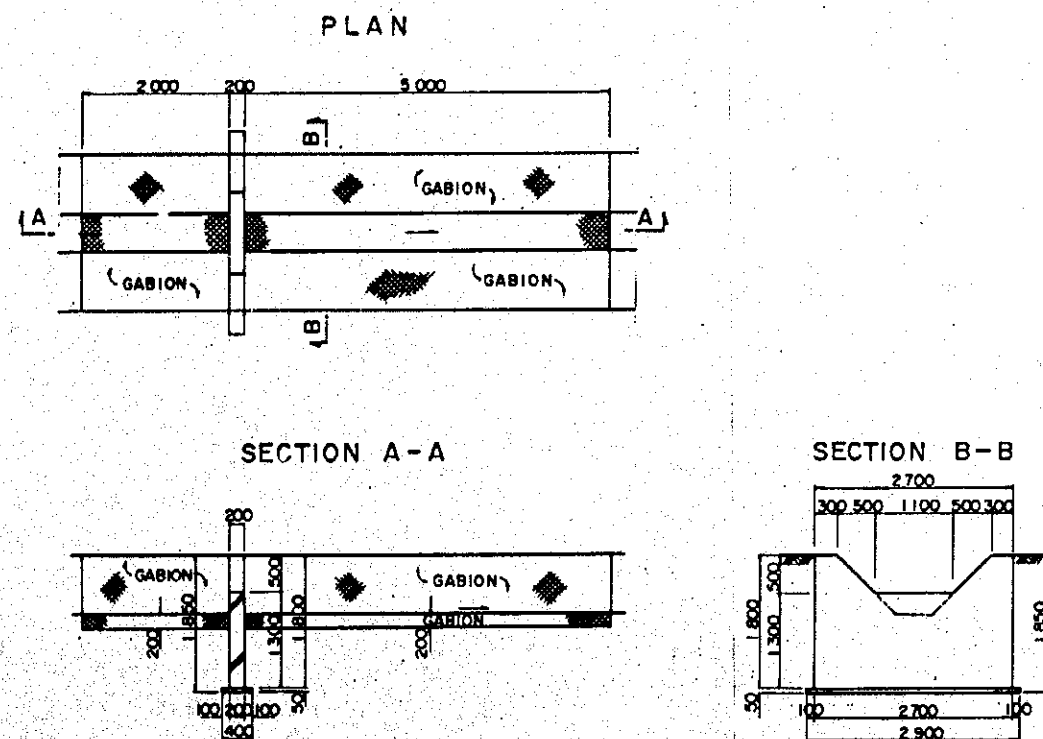
SLOPE PROTECTION SCALE 1:50



CONFLUENT FACILITIES SCALE 1:50



GROUND SILL SCALE 1:50

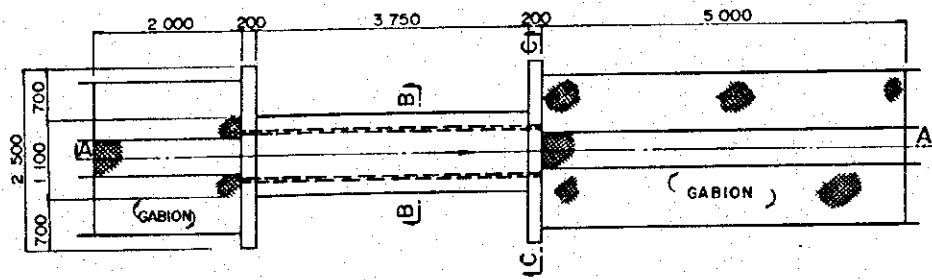


THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
DRAINAGE FACILITIES (1/2)		
Date	No.	30
JAPAN INTERNATIONAL COOPERATION AGENCY		

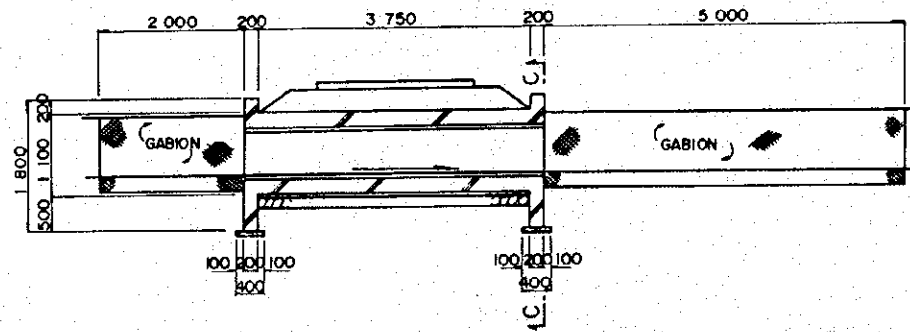
DRAINAGE FACILITIES (2/2)

ROAD CROSS CULVERT SCALE 1:50

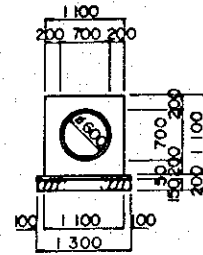
PLAN



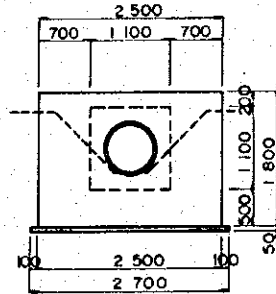
SECTION A-A



SECTION B-B

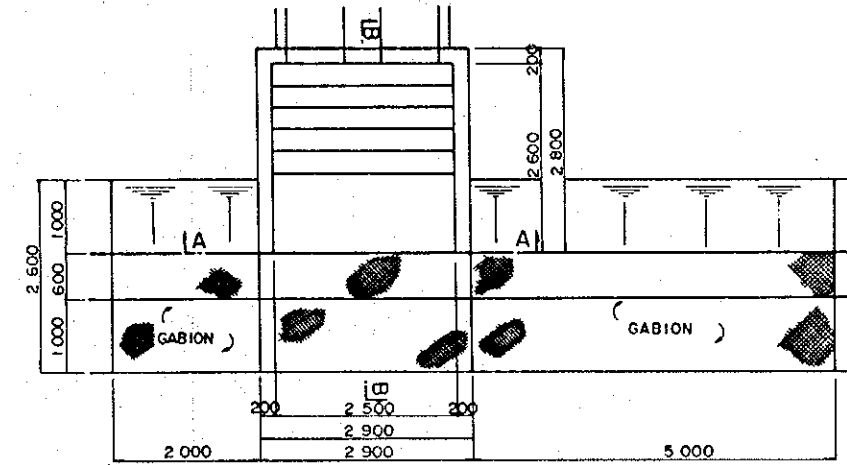


SECTION C-C

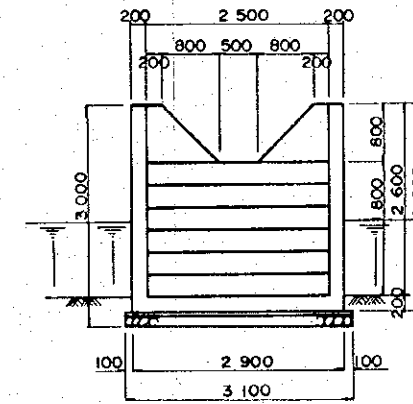


CHUTE SCALE 1:50

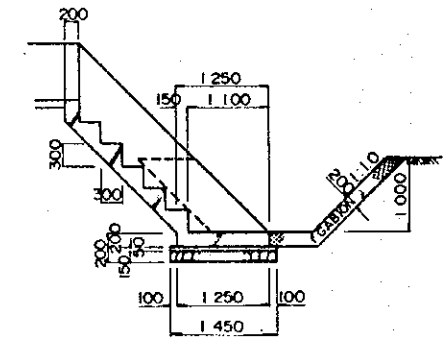
PLAN



SECTION A-A

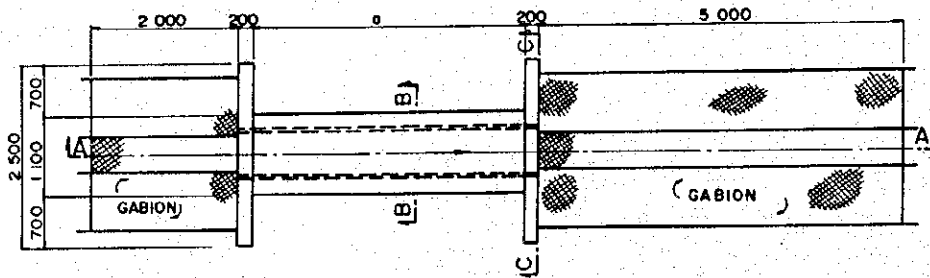


SECTION B-B

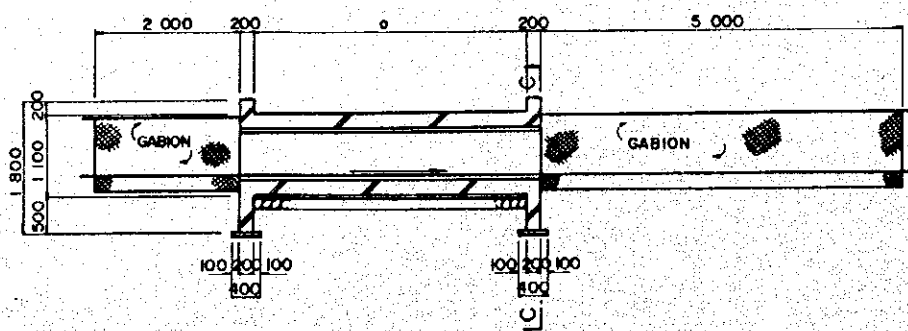


CANAL CROSS CULVERT (ENTRANCE WORKS) SCALE 1:50

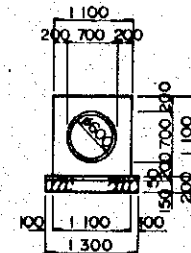
PLAN



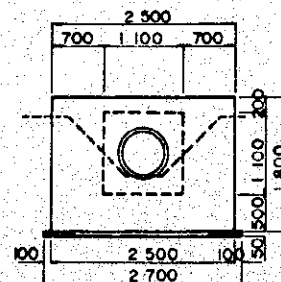
SECTION A-A



SECTION B-B



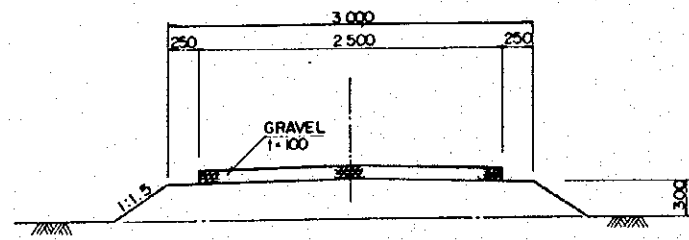
SECTION C-C



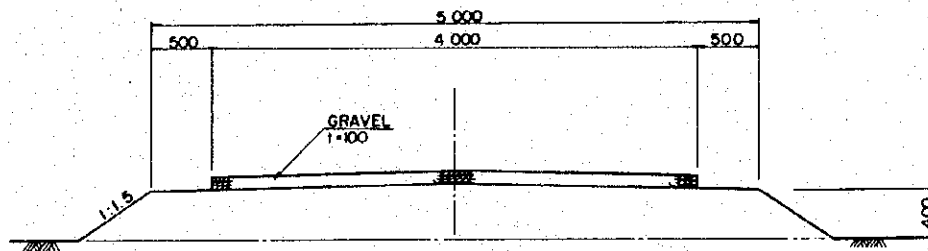
Canal Cross Culvert (Drainage) (Entrance Works)			
	Road Type	a	#
Type 1	b=3	3,000	600
Type 2	b=5	5,000	600

FARM ROAD TYPICAL SECTION SCALE 1:30

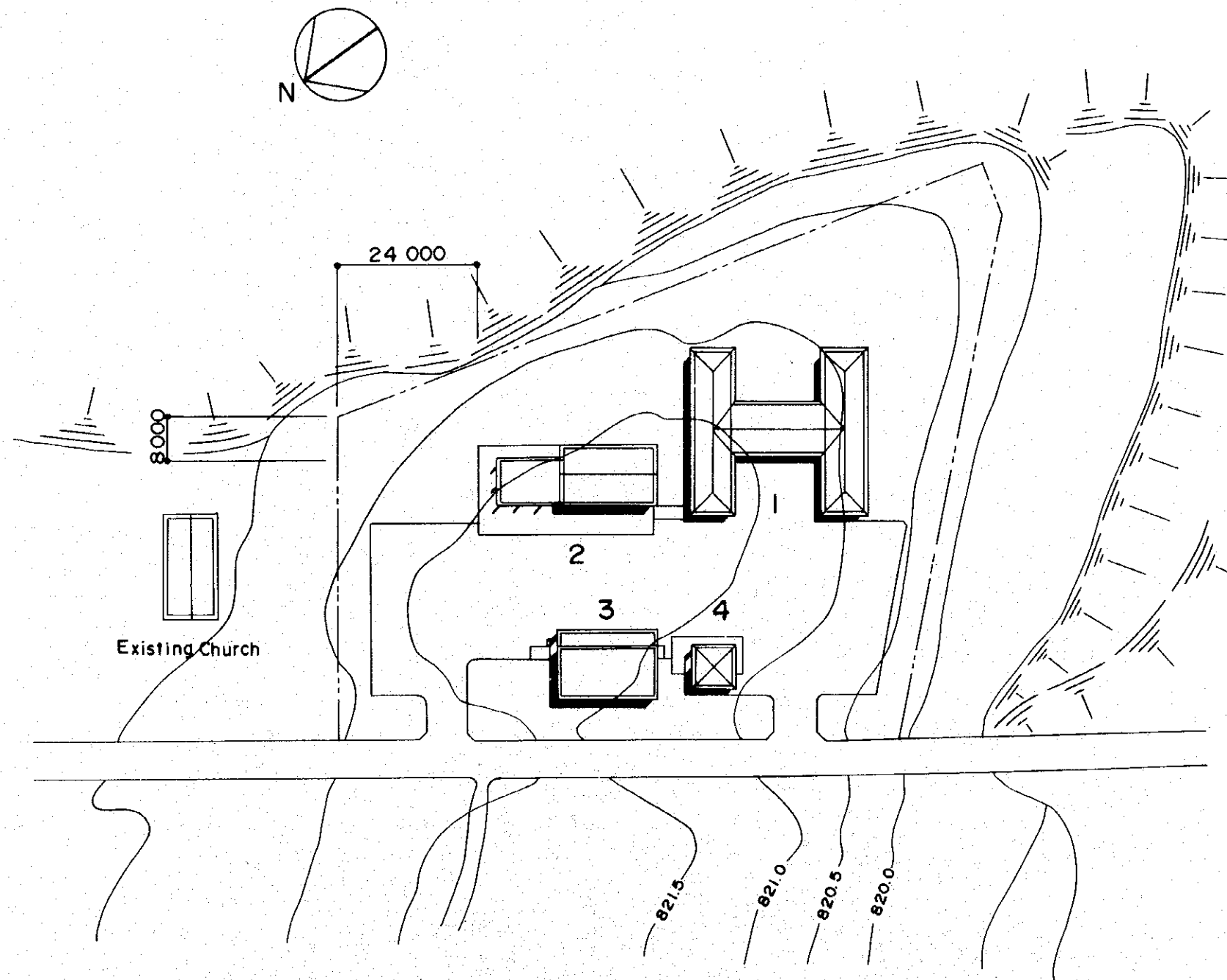
FARM ROAD



SECONDARY ROAD

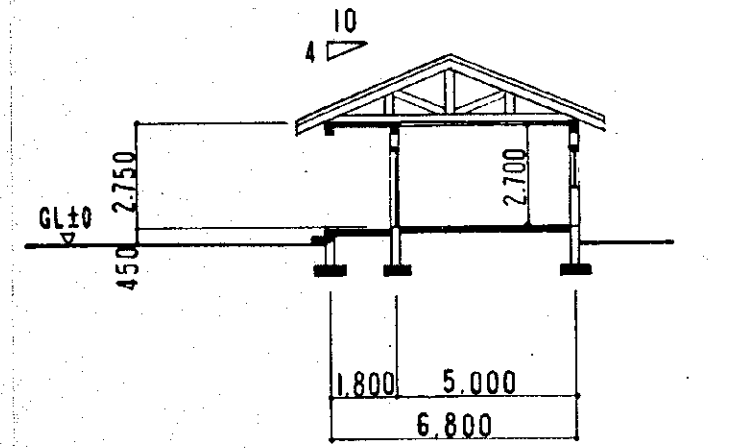
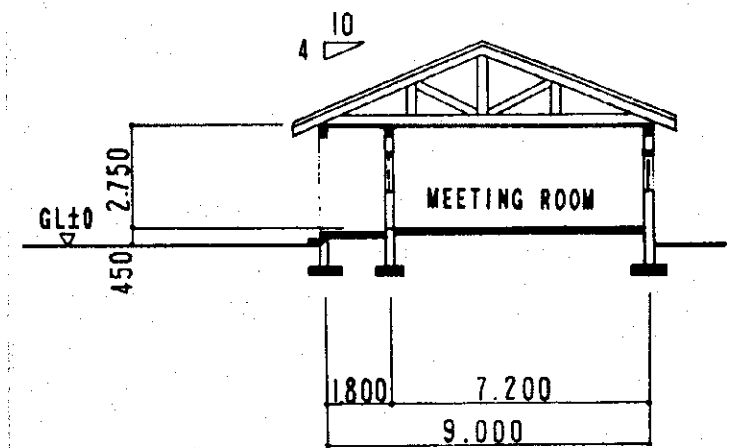
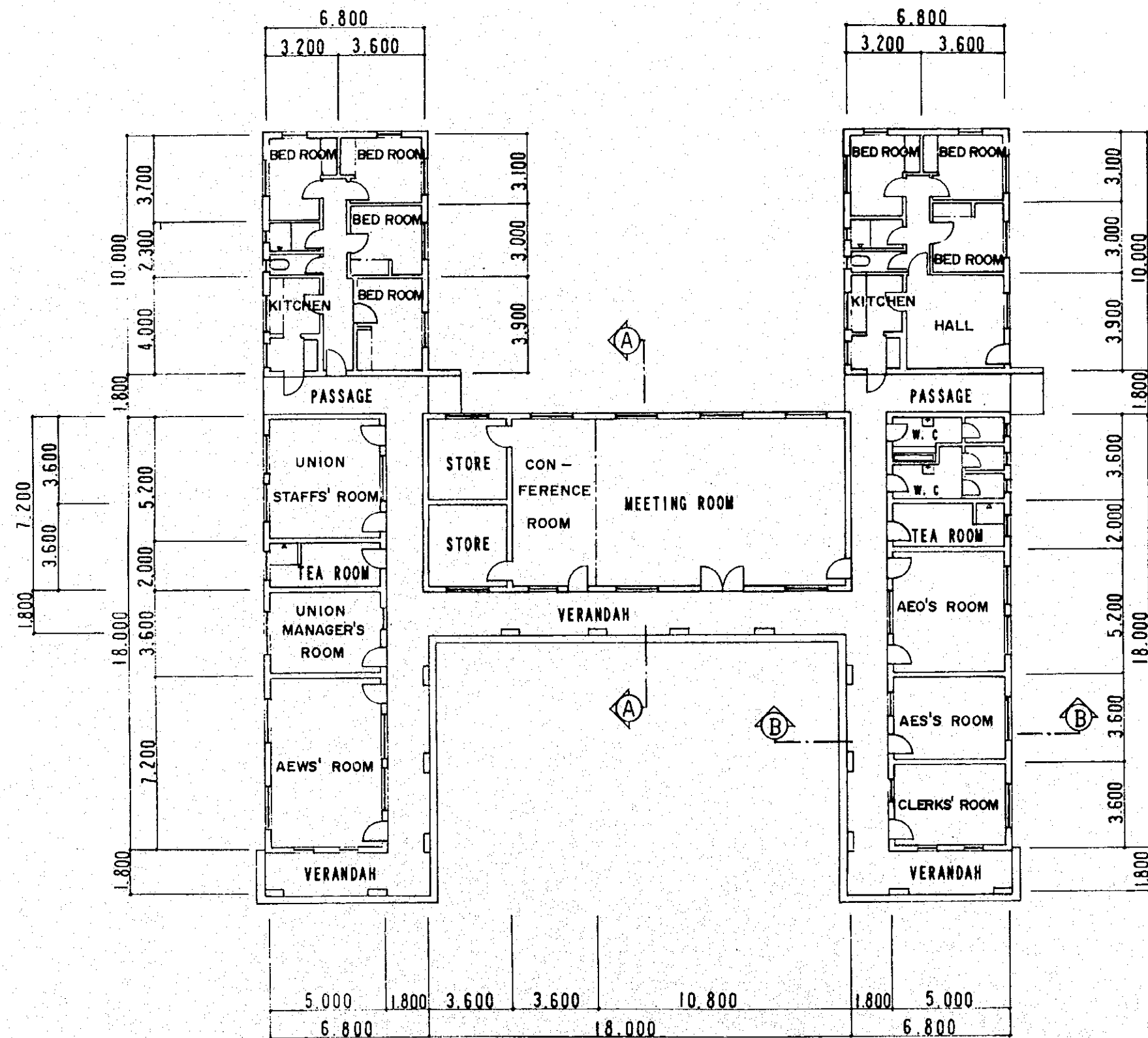


THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
FARM ROADS			
Date		No.	32
JAPAN INTERNATIONAL COOPERATION AGENCY			

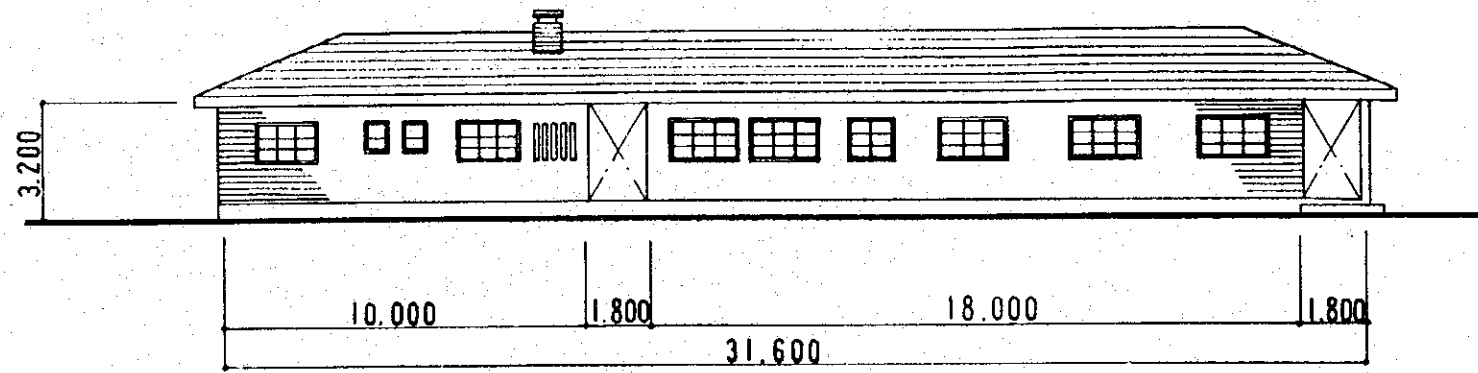


Project Management Facilities

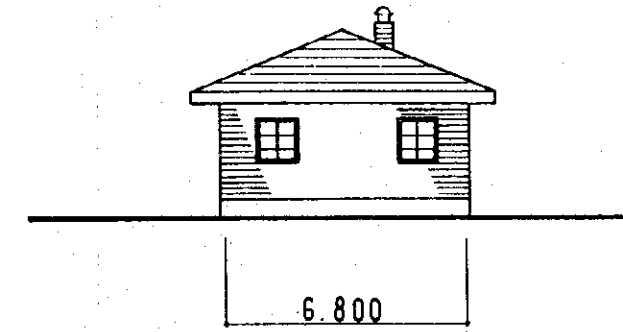
No.	Building	Planned Area (m ²)
1.	Project Management Building	6 0 3
2.	Workshop & Garage	2 7 2
3.	Warehouse	1 6 2
4.	Fuel Station	5 2
Total		1 0 8 9



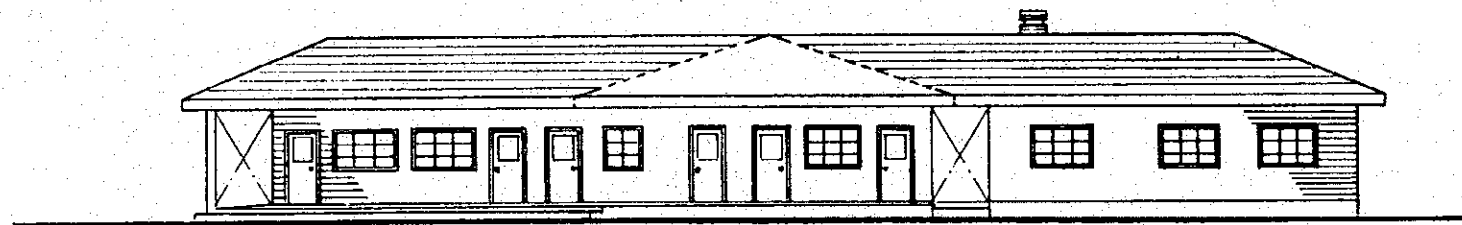
THE REPUBLIC OF ZIMBABWE		
BASIC DESIGN STUDY		
ON		
THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT		
PROJECT MANAGEMENT BUILDING		
PLAN & SECTION		
Date	No.	34
JAPAN INTERNATIONAL COOPERATION AGENCY		



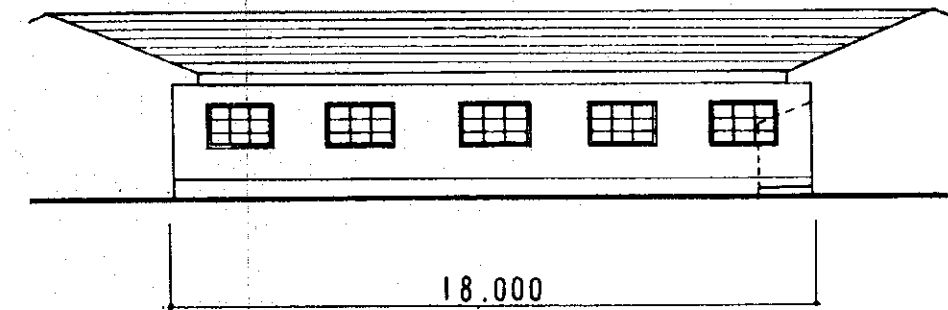
NORTH ELEVATION



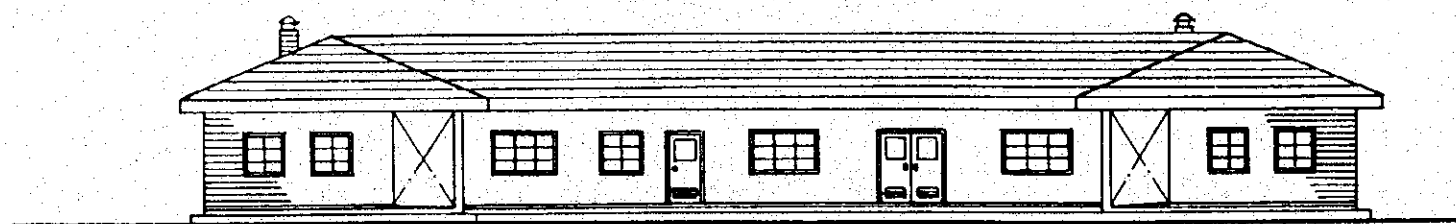
EAST ELEVATION



SOUTH ELEVATION

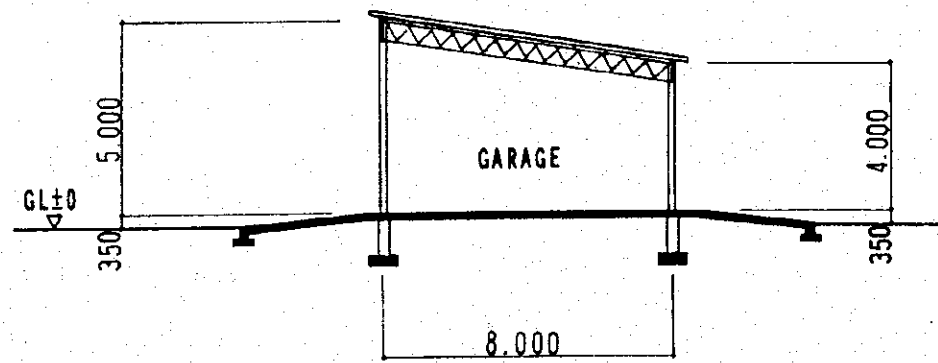


EAST ELEVATION

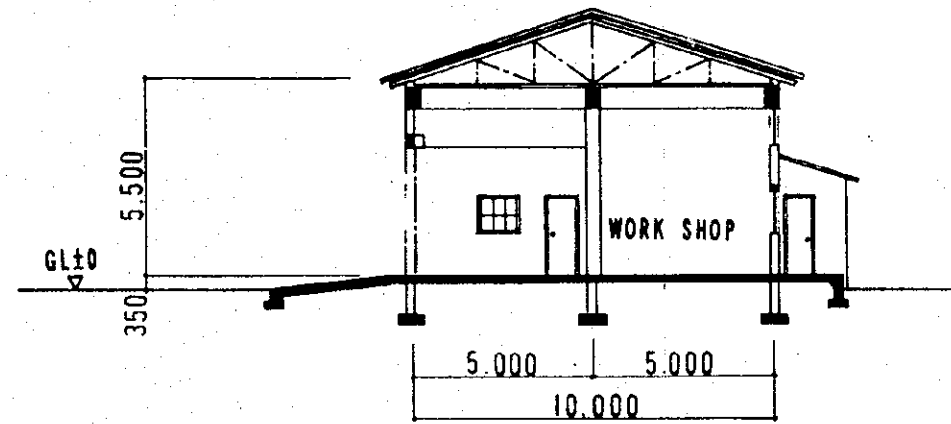


WEST ELEVATION

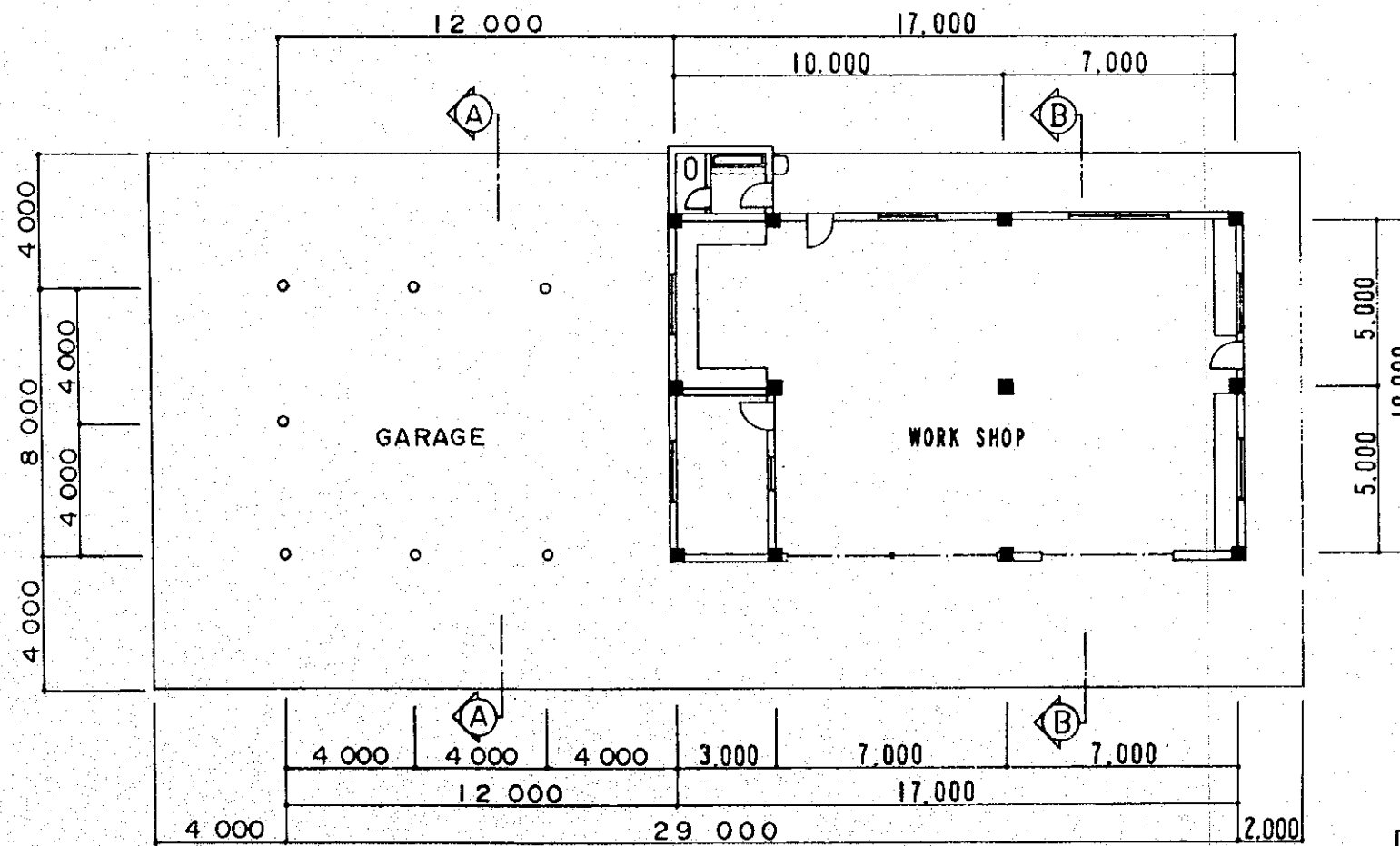
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
PROJECT MANAGEMENT BUILDING ELEVATION			
Date		No.	35
JAPAN INTERNATIONAL COOPERATION AGENCY			



SECTION A-A

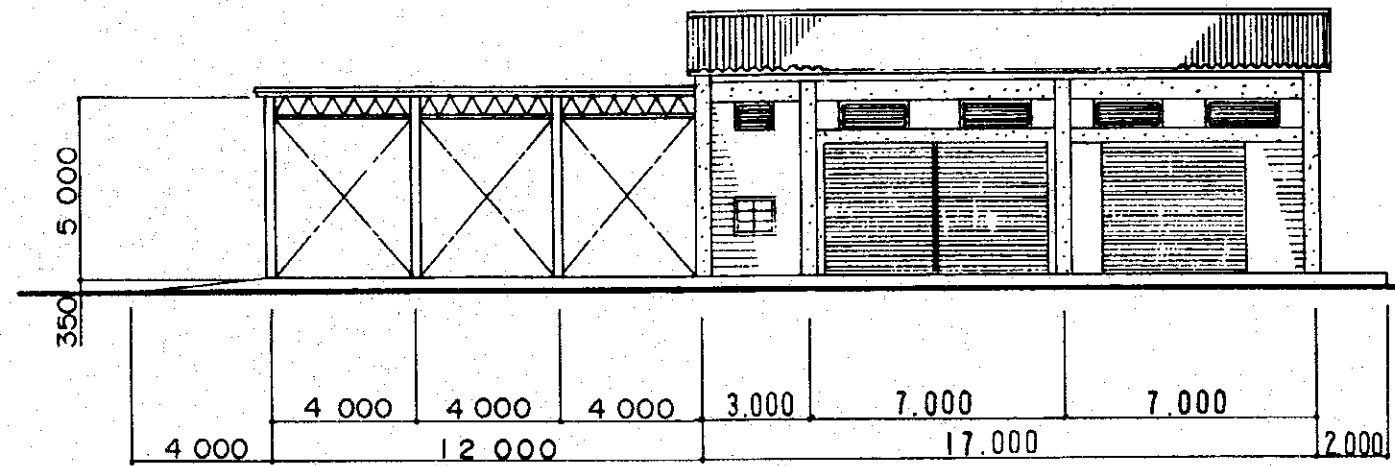


SECTION B-B

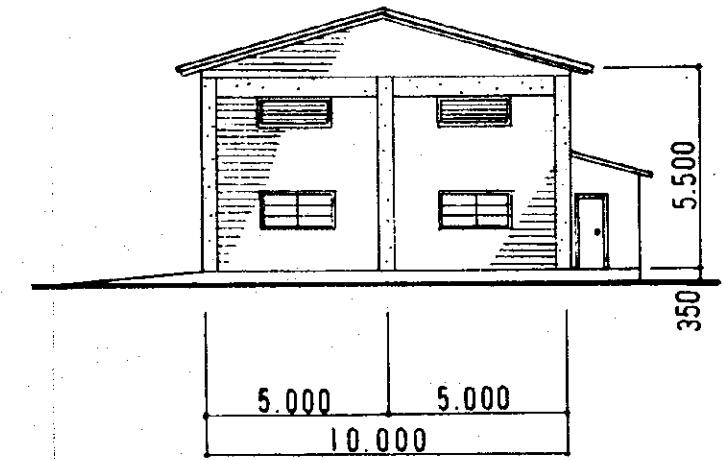


FLOOR PLAN

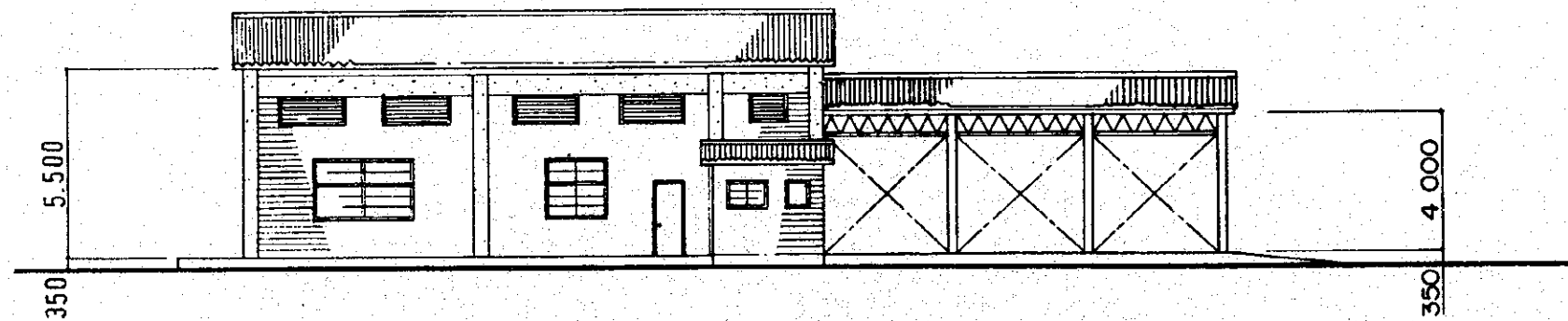
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
WORKSHOP & GARAGE PLAN & SECTION			
Date	No.	36	
JAPAN INTERNATIONAL COOPERATION AGENCY			



WEST ELEVATION

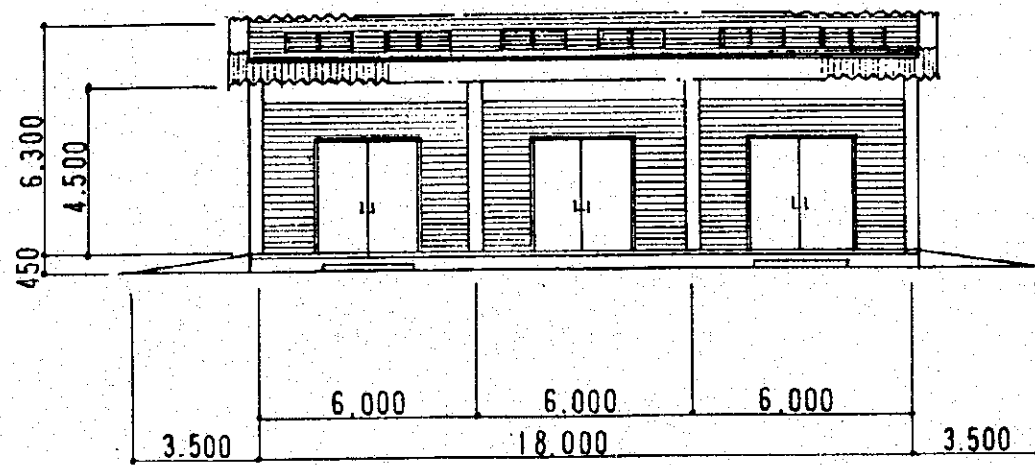


SOUTH ELEVATION

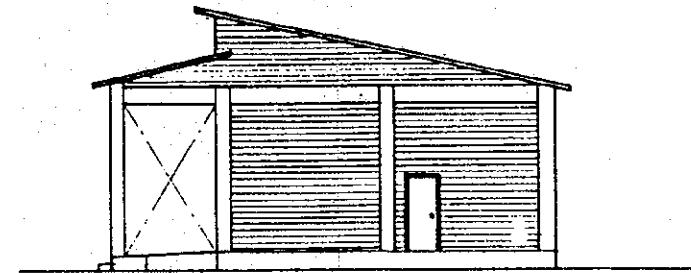


EAST ELEVATION

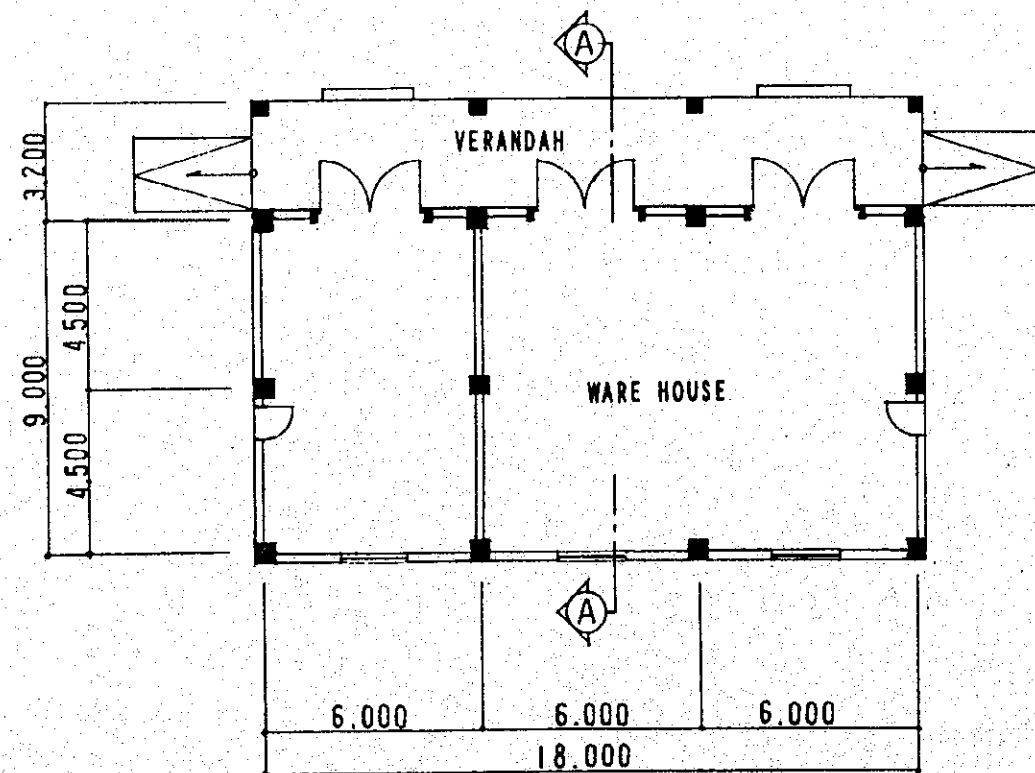
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
WORKSHOP & GARAGE ELEVATION			
Date		No.	37
JAPAN INTERNATIONAL COOPERATION AGENCY			



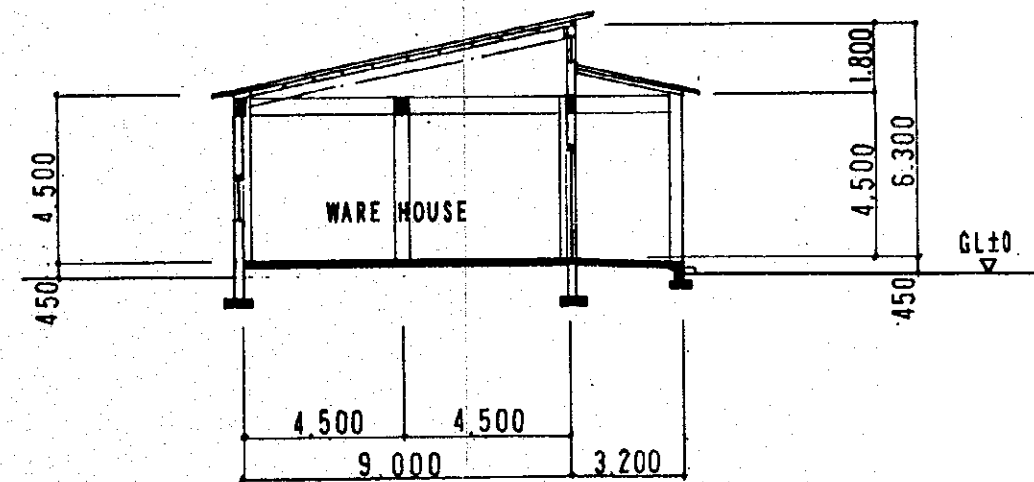
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NORTH ELEVATION

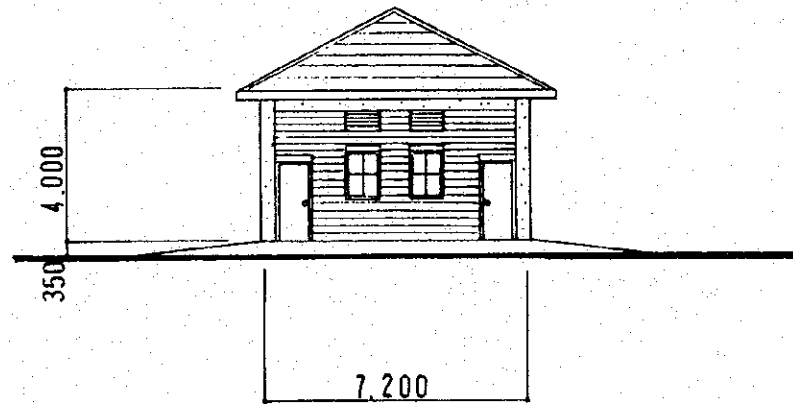


FLOOR PLAN

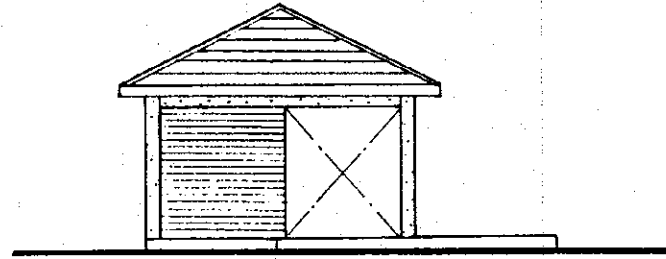


SECTION A-A

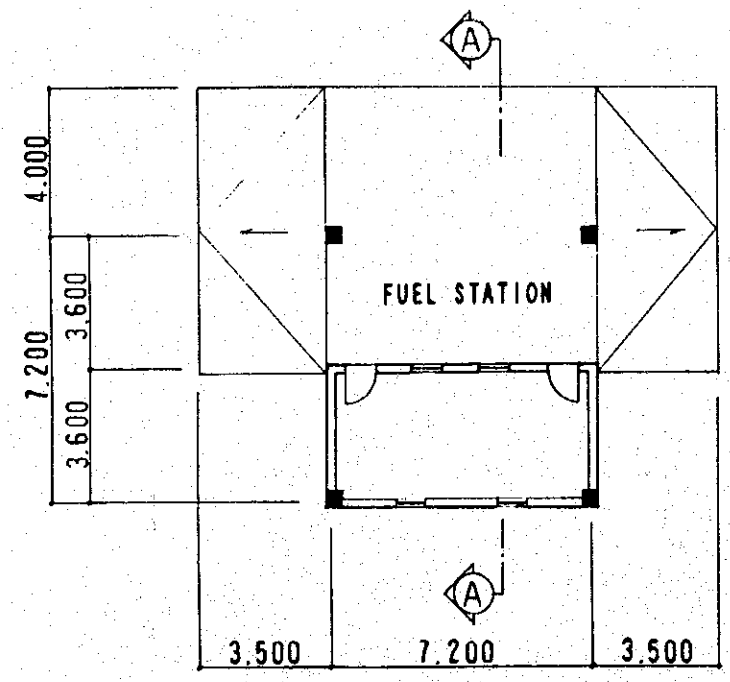
THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
WAREHOUSE			
Date		No.	38
JAPAN INTERNATIONAL COOPERATION AGENCY			



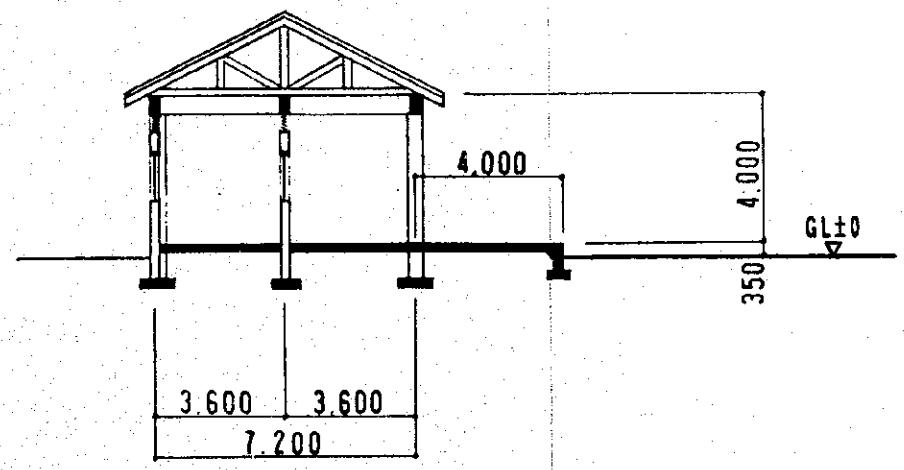
EAST ELEVATION



SOUTH ELEVATION



FLOOR PLAN



SECTION A-A

THE REPUBLIC OF ZIMBABWE			
BASIC DESIGN STUDY ON THE NYAKOMBA IRRIGATION DEVELOPMENT PROJECT			
FUEL STATION			
Date		No.	39
JAPAN INTERNATIONAL COOPERATION AGENCY			

