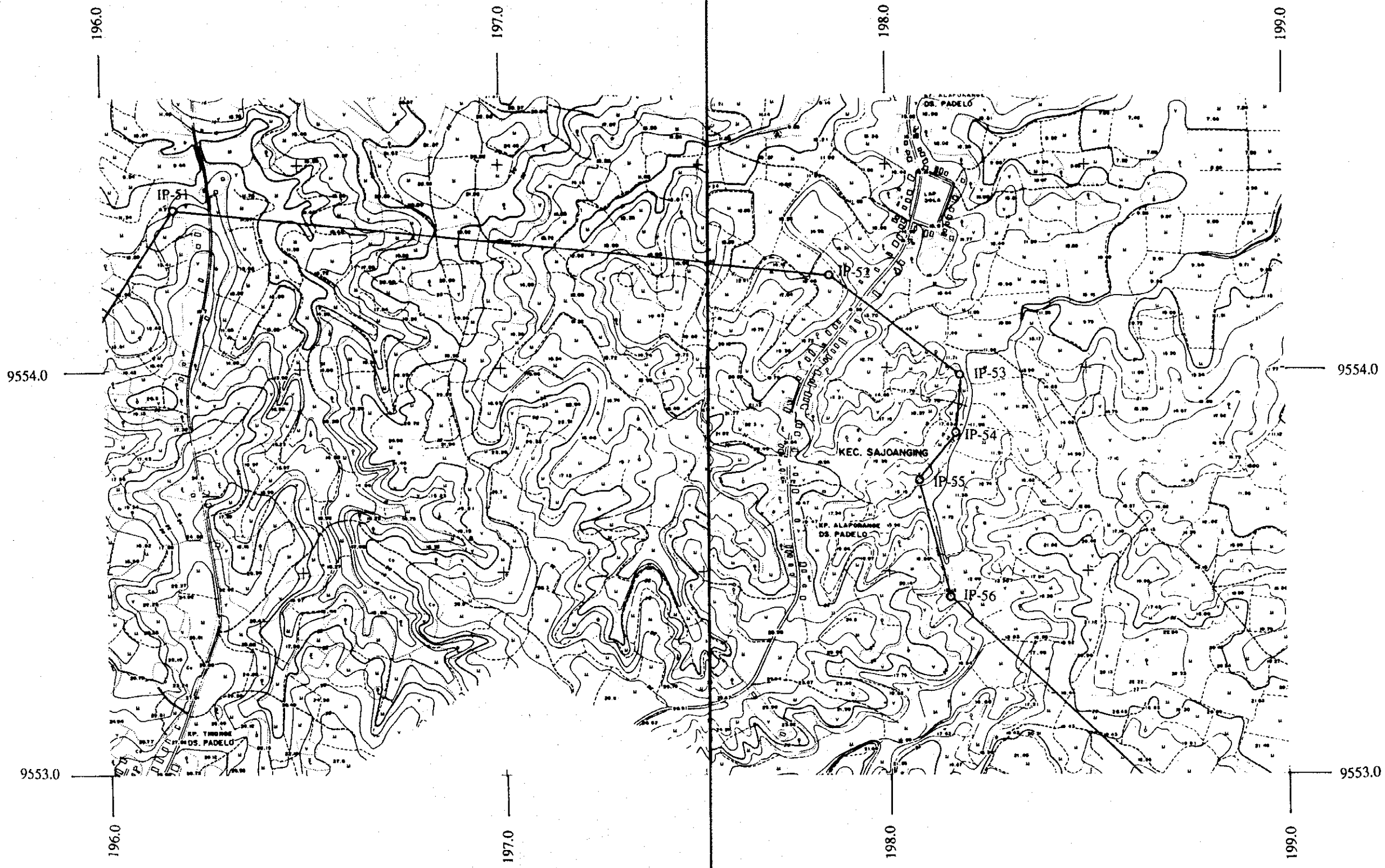
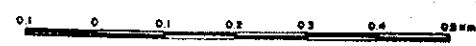


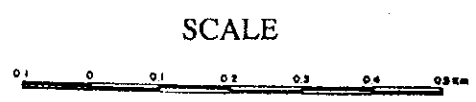
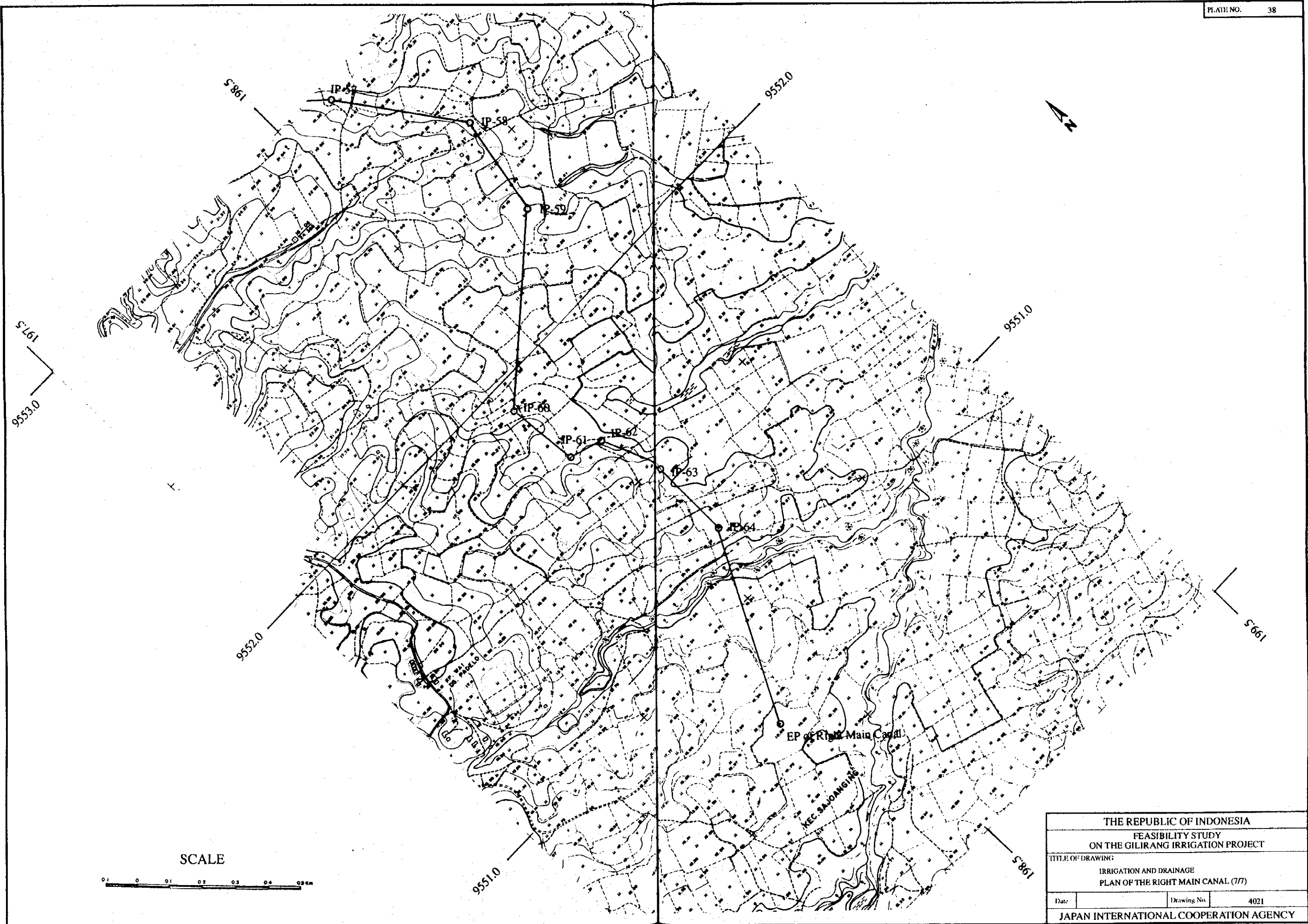
THE REPUBLIC OF INDONESIA			
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT			
TITLE OF DRAWING IRRIGATION AND DRAINAGE PLAN OF THE RIGHT MAIN CANAL (5/7)			
Date		Drawing No.	4019
JAPAN INTERNATIONAL COOPERATION AGENCY			



SCALE

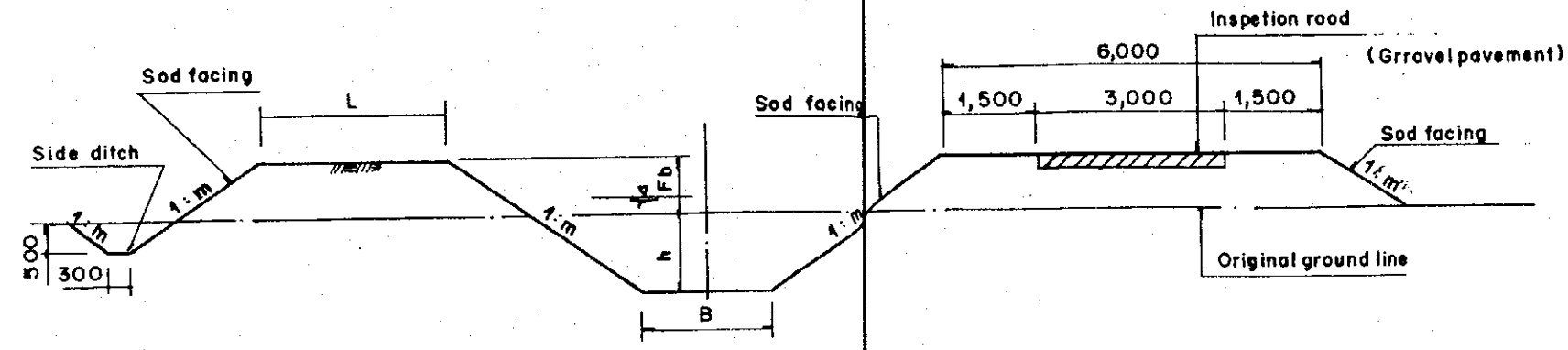


THE REPUBLIC OF INDONESIA			
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT			
TITLE OF DRAWING			
IRRIGATION AND DRAINAGE PLAN OF THE RIGHT MAIN CANAL (6/7)			
Date		Drawing No.	4020
JAPAN INTERNATIONAL COOPERATION AGENCY			

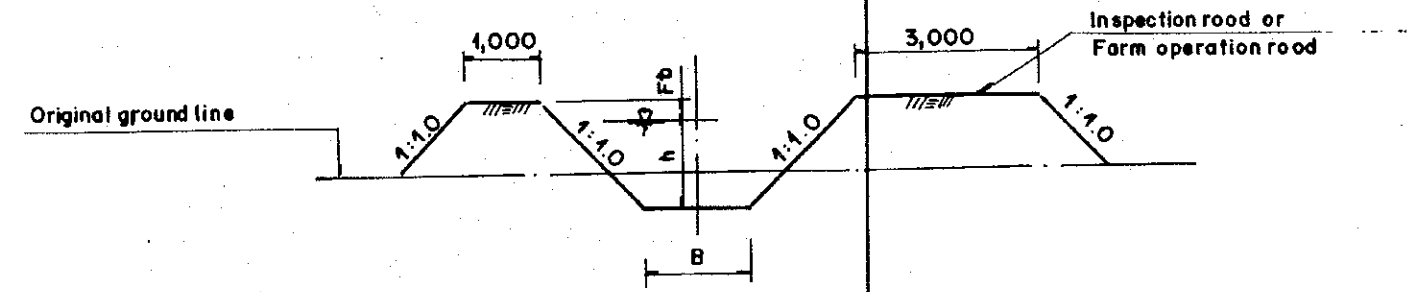


THE REPUBLIC OF INDONESIA			
FEASIBILITY STUDY			
ON THE GILIRANG IRRIGATION PROJECT			
TITLE OF DRAWING			
IRRIGATION AND DRAINAGE			
PLAN OF THE RIGHT MAIN CANAL (7/7)			
Date	Drawing No.	4021	
JAPAN INTERNATIONAL COOPERATION AGENCY			

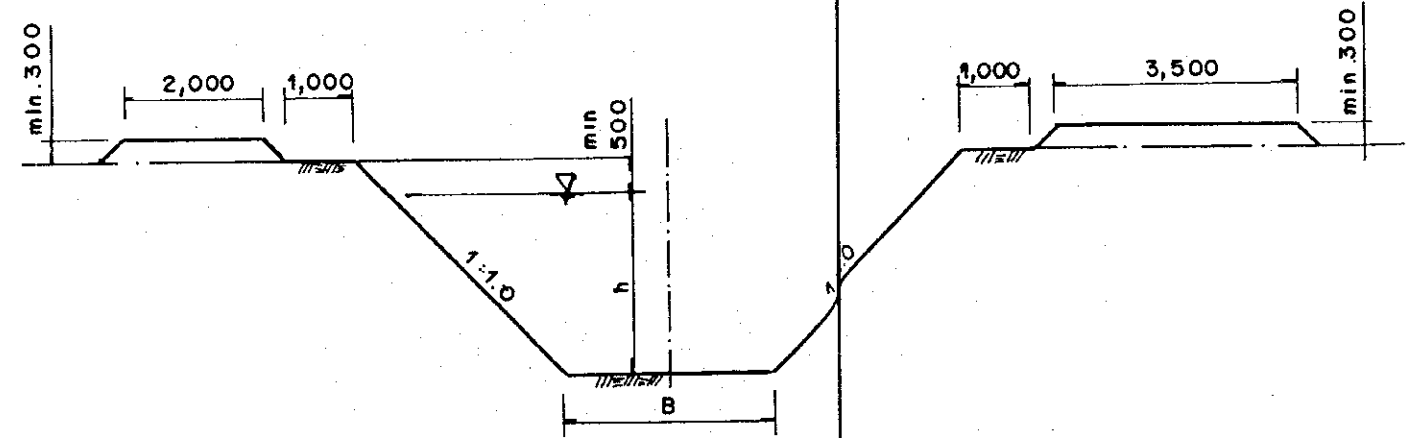
TYPICAL CROSS SECTION MAIN & SECONDARY IRRIGATION CANAL



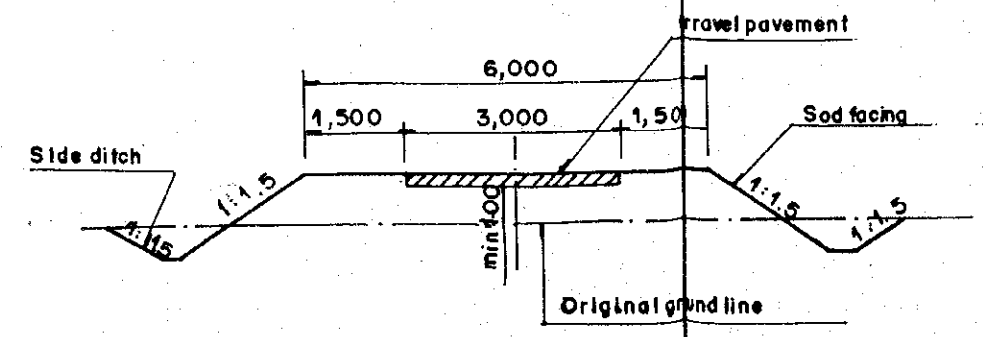
TYPICAL CROSS SECTION OF TERTIARY IRRIGATION CANAL



TYPICAL CROSS SECTION OF DRAINAGE CANAL



TYPICAL CROSS SECTION OF FARM ROAD



DIMENSION TABLE OF CANAL AND FARM ROAD

Discharge Q (m ³ /sec)	Side Slope l : m	Free Board F B (mm)	Width of Bank L		Ratio B / h
			Main C. (mm)	Secondary C. (mm)	
Q < 0.3	1.0	500	2 500	1 500	1.0
0.30 ≤ Q < 0.5	1.0	500	2 500	1 500	1.0 ~ 1.2
0.50 ≤ Q < 1.00	1.0	500	2 500	1 500	1.2 ~ 1.5
1.00 ≤ Q < 1.50	1.0	500	2 500	1 500	1.5 ~ 1.8
1.50 ≤ Q < 5.00	1.5	600	2 500	2 000	1.8 ~ 2.9
5.00 ≤ Q < 10.00	1.5	750	2 500	2 000	2.9 ~ 3.9
10.00 ≤ Q < 15.00	1.5	850	2 500	2 000	3.9 ~ 4.9
15.00 ≤ Q < 40.00	1.5	1 000	2 500	2 000	4.9 ~ 9.0

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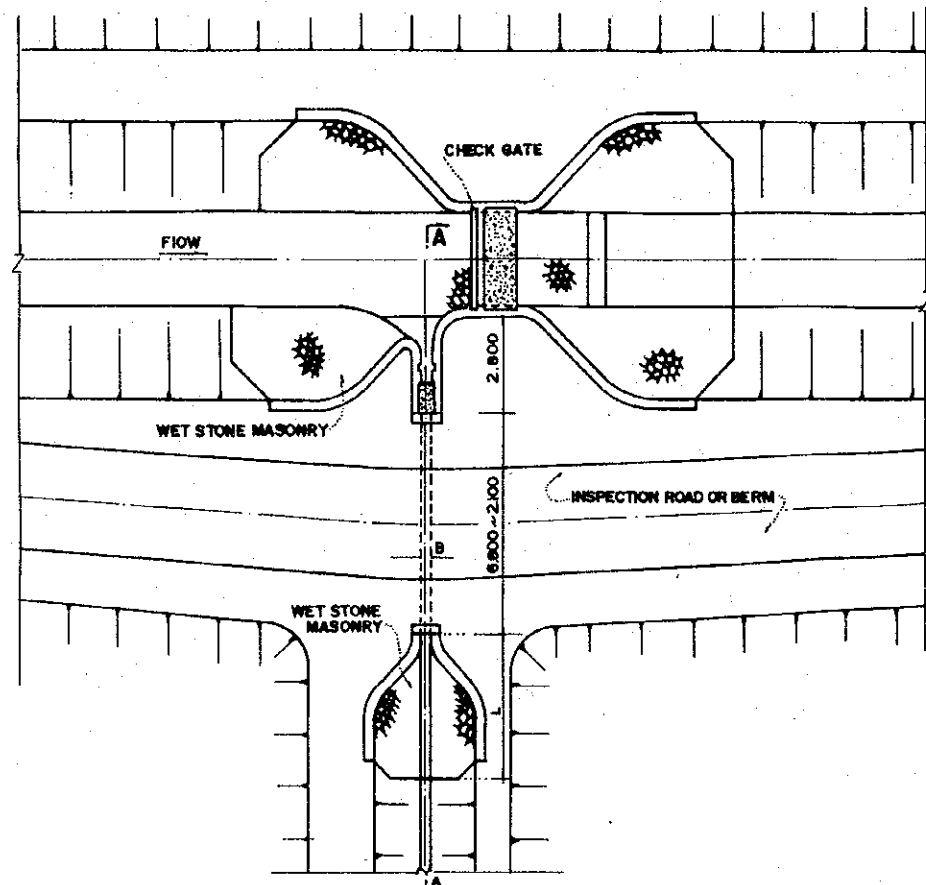
FEASIBILITY STUDY
ON THE GILIRANG IRRIGATION PROJECT

TITLE OF DRAWING
IRRIGATION AND DRAINAGE
TYPICAL CROSS SECTION OF CANAL & ROAD

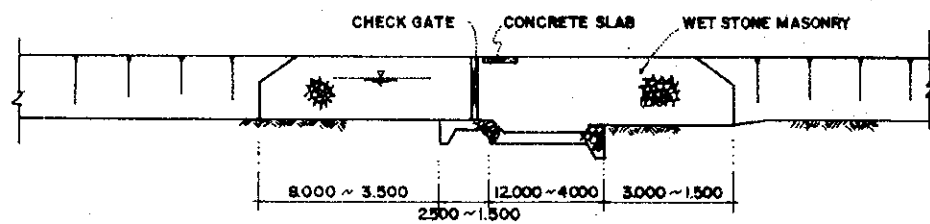
Date _____ Drawing No. 4022

JAPAN INTERNATIONAL COOPERATION AGENCY

TURNOUT



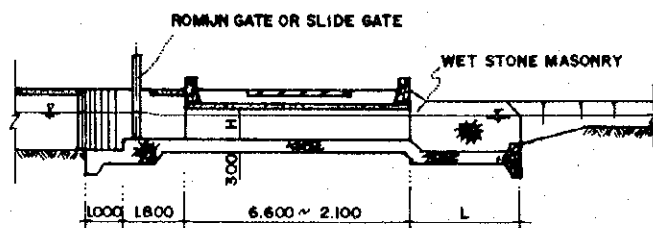
PLAN



PROFILE

DIMENSION TABLE OF TURNOUT

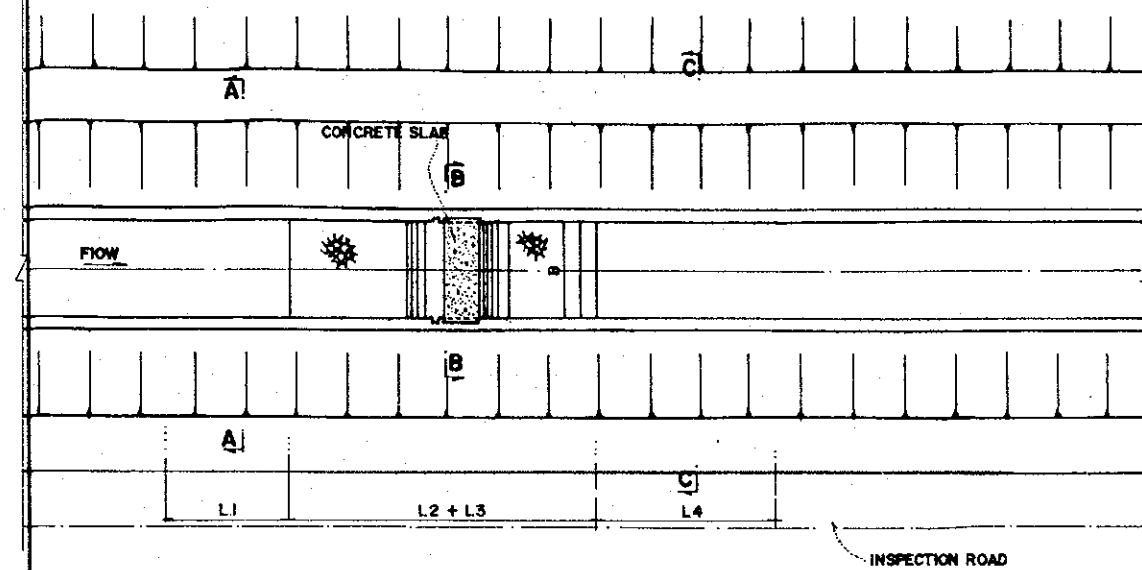
Discharge (Q) (m ³ /sec)	L (mm)	B (mm)	H (mm)	Type of gate
2.00 ≤ Q < 2.50	5,000	1,500	1,800	Slide gate
1.50 ≤ Q < 2.00	5,000	1,500	1,500	"
1.00 ≤ Q < 1.50	5,000	1,300	1,300	"
0.80 ≤ Q < 1.00	4,500	1,300	1,500	Rolling gate
0.30 ≤ Q < 0.50	4,500	1,000	1,400	"
0.20 ≤ Q < 0.30	4,000	800	1,400	"
0.15 ≤ Q < 0.20	4,000	600	1,300	"
0.10 ≤ Q < 0.15	4,000	500	1,200	"
0.08 ≤ Q < 0.10	3,000	400	1,000	"
Q < 0.08	3,000	300	1,000	"



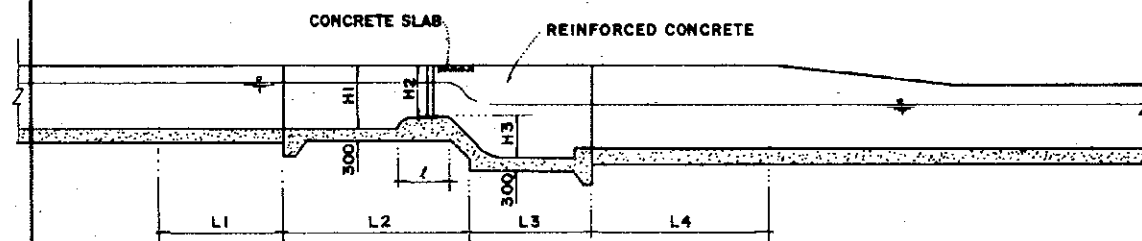
SECTION A-A



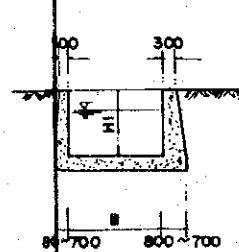
MEASURING DEVICE



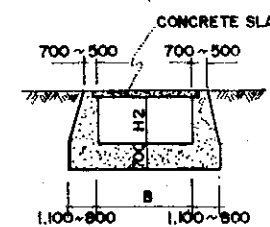
PLAN



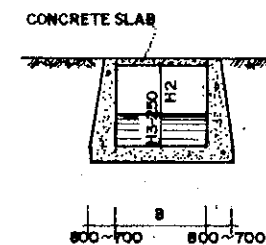
PROFILE



SECTION A-A



SECTION B-B



SECTION C-C

DIMENSION TABLE OF MEASURING DEVICE

Discharge (Q) (m ³ /sec)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	B (mm)
4.00 < Q	4,500	4,500	5,700	5,000	2,500	2,170	1,210	1,260	5,400
Q < 4.00	4,000	4,000	5,000	4,500	2,500	1,930	1,010	1,220	3,600

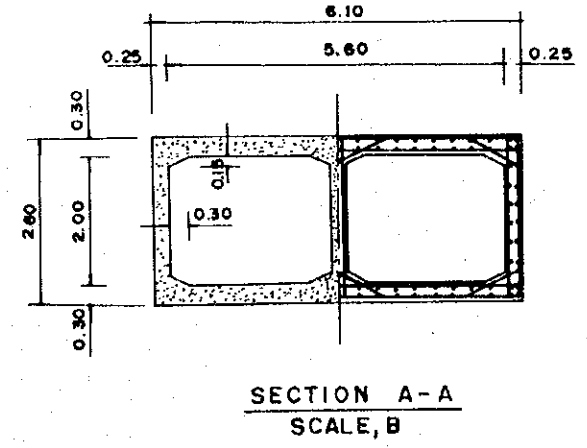
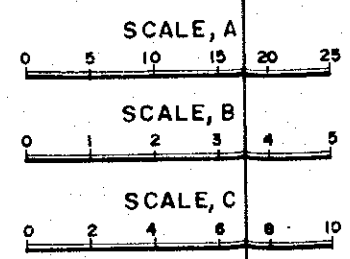
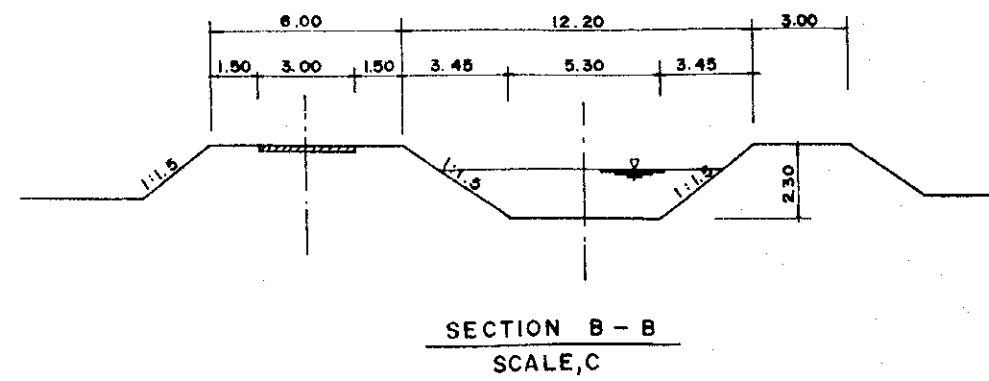
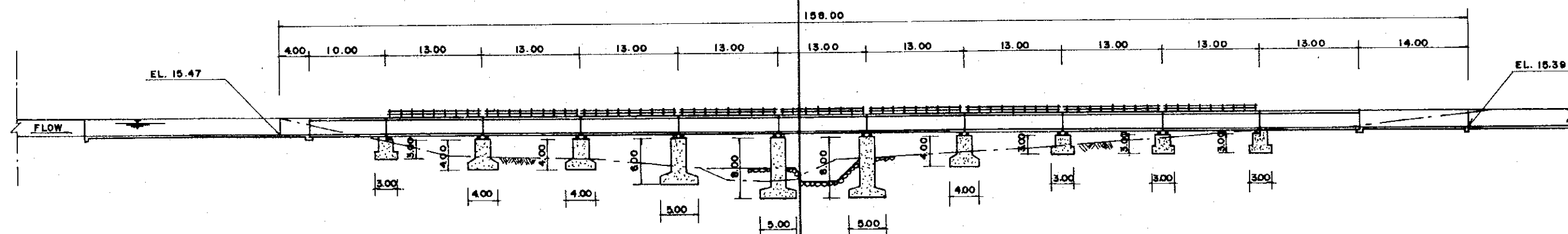
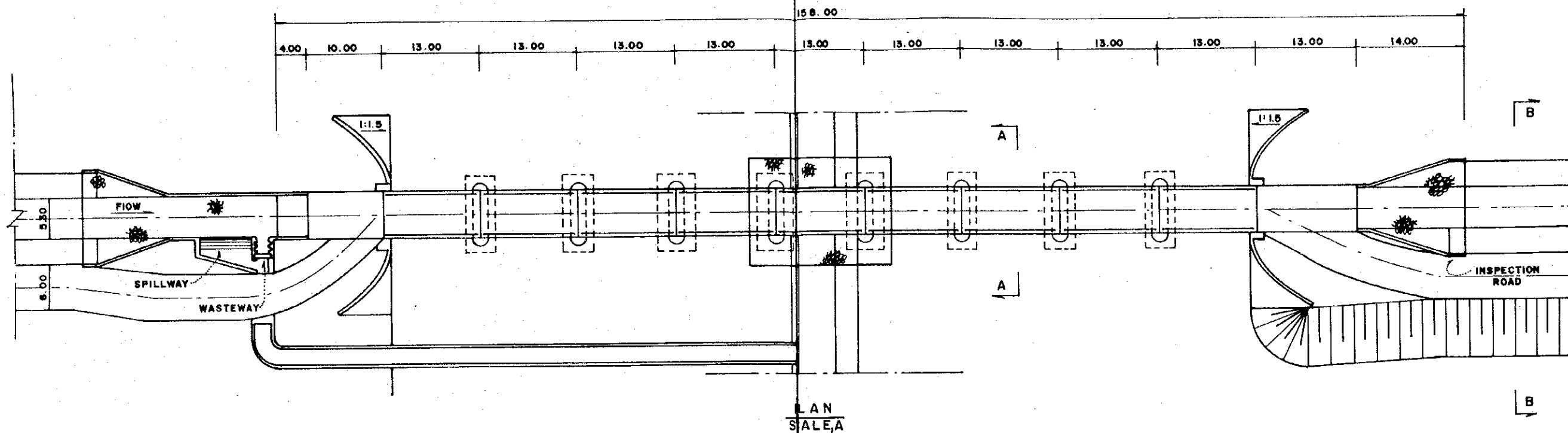
THE REPUBLIC OF INDONESIA

FEASIBILITY STUDY
ON THE GILIRANG IRRIGATION PROJECT

TITLE OF DRAWING
IRRIGATION AND DRAINAGE
TYPICAL DRAWING TURNOUT
& MEASURING DEVICE

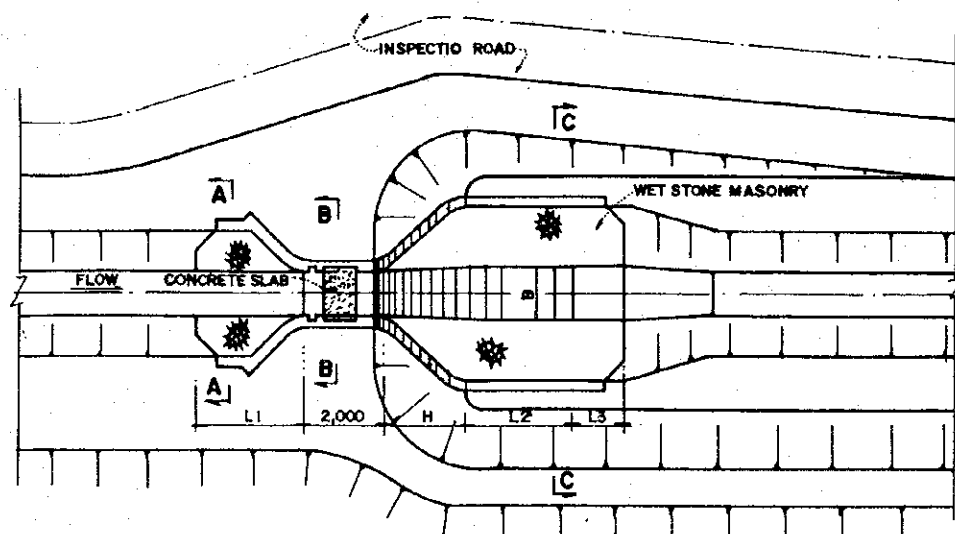
Date _____ Drawing No. 4023

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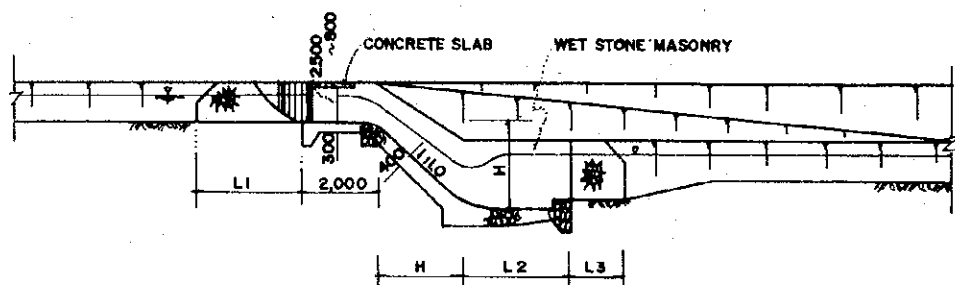


THE REPUBLIC OF INDONESIA			
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT			
TITLE OF DRAWING IRRIGATION AND DRAINAGE AQUEDUCT			
Date		Drawing No.	4024
JAPAN INTERNATIONAL COOPERATION AGENCY			

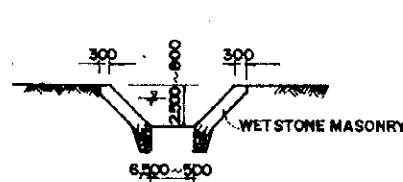
DROP



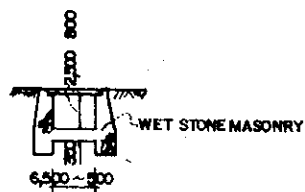
PLAN
SCALE : A



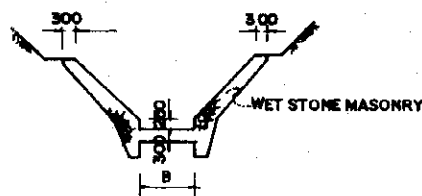
PROFILE
SCALE : A



SECTION A-A
SCALE : A



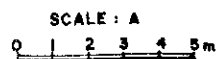
SECTION B-B
SCALE : A



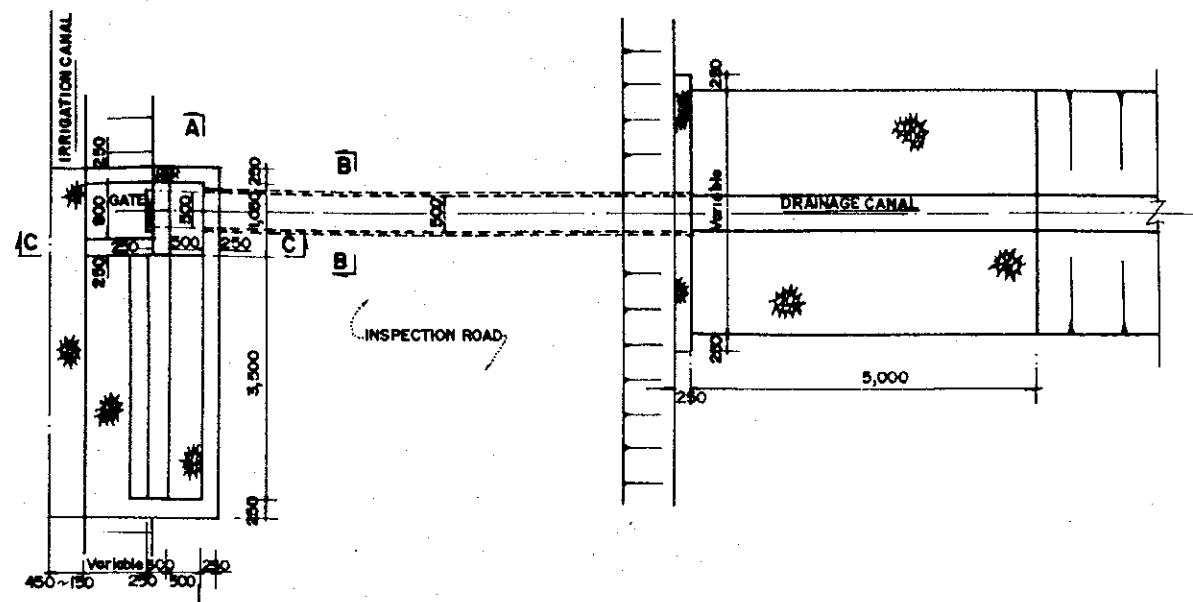
SECTION C-C
SCALE : A

DIMENSION TABLE OF DROP

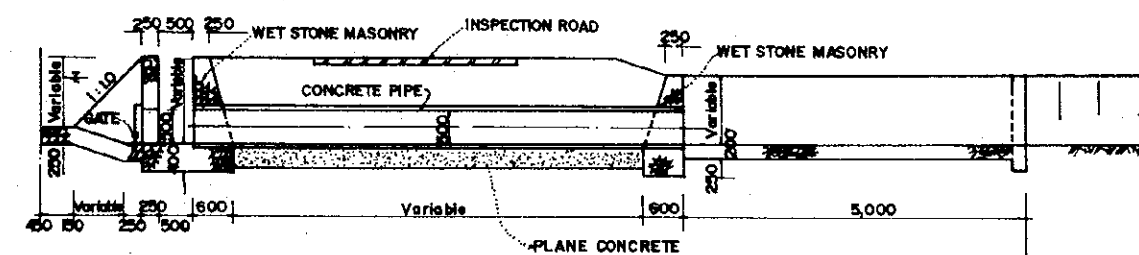
Discharge (Q) (m ³ /sec)	Drop height (m)	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	B (mm)
0.50 ≤ Q < 1.00	2.00	3,500	3,500	1,500	3,000	1,700
	1.00	3,500	2,500	1,500	2,000	1,700
0.30 ≤ Q < 0.50	2.00	3,000	3,500	1,500	3,000	1,000
	1.00	3,000	2,500	1,500	2,000	1,000
Q < 0.30	2.00	3,000	3,500	1,500	3,000	500
	1.00	3,000	2,500	1,500	2,000	500



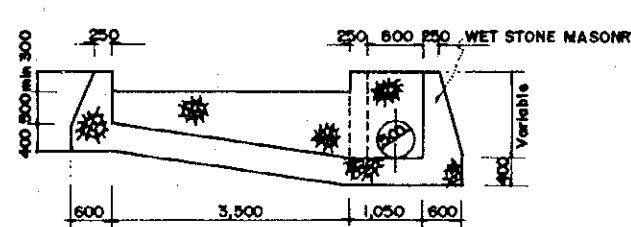
SPILLWAY



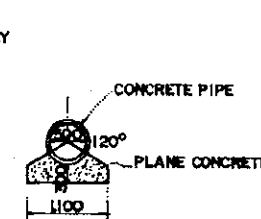
PLAN
SCALE : B



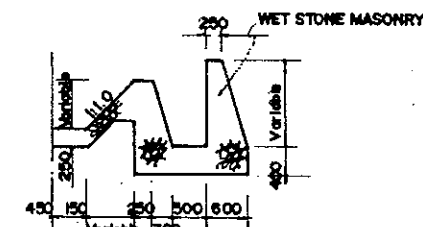
PROFILE
SCALE : B



SECTION A-A
SCALE : B



SECTION B-B
SCALE : B

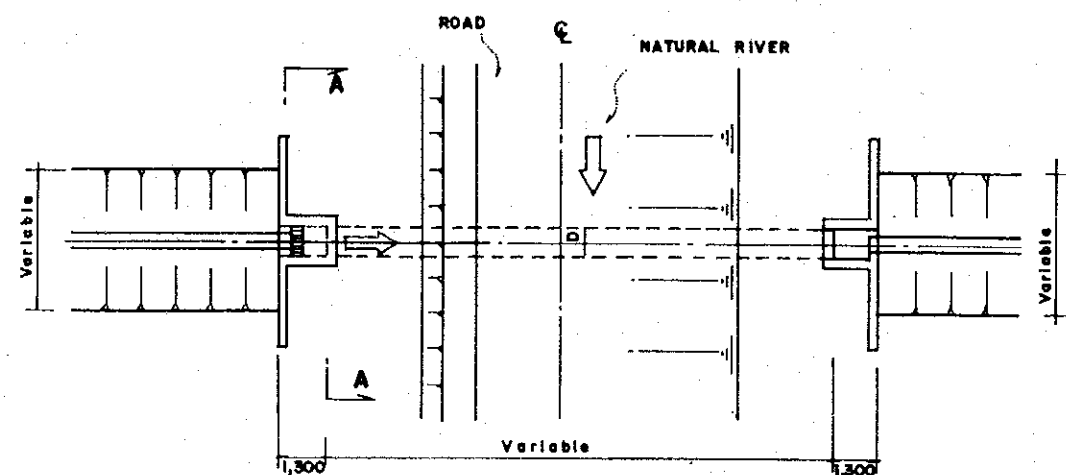


SECTION C-C
SCALE : B

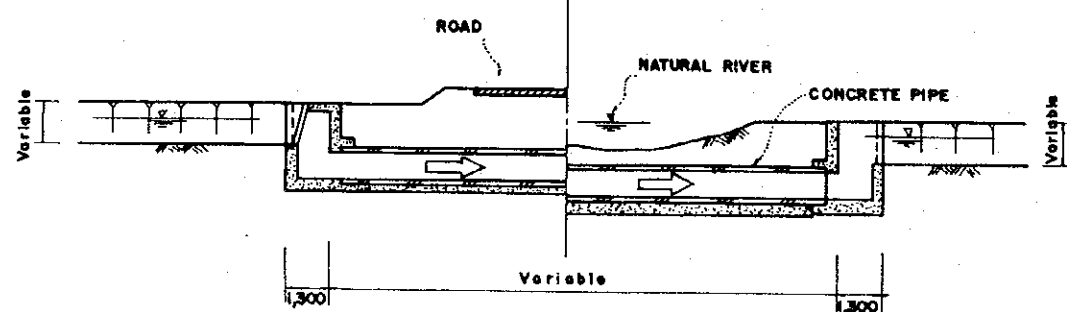
THE REPUBLIC OF INDONESIA		
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT		
TITLE OF DRAWING IRRIGATION AND DRAINAGE TYPICAL DRAWING DROP & SPILLWAY		
Date	Drawing No.	4025
JAPAN INTERNATIONAL COOPERATION AGENCY		

SYPHON

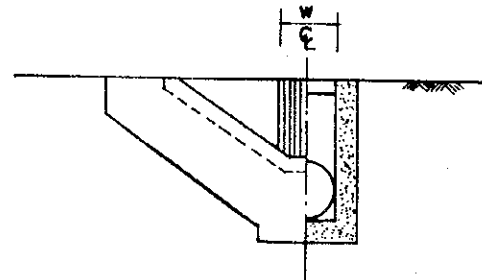
CROSS DRAIN TYPE - A



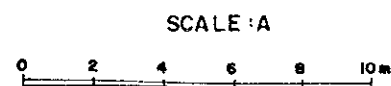
PLAN
SCALE : A



PROFILE
SCALE : A



SECTION A - A
SCALE : B



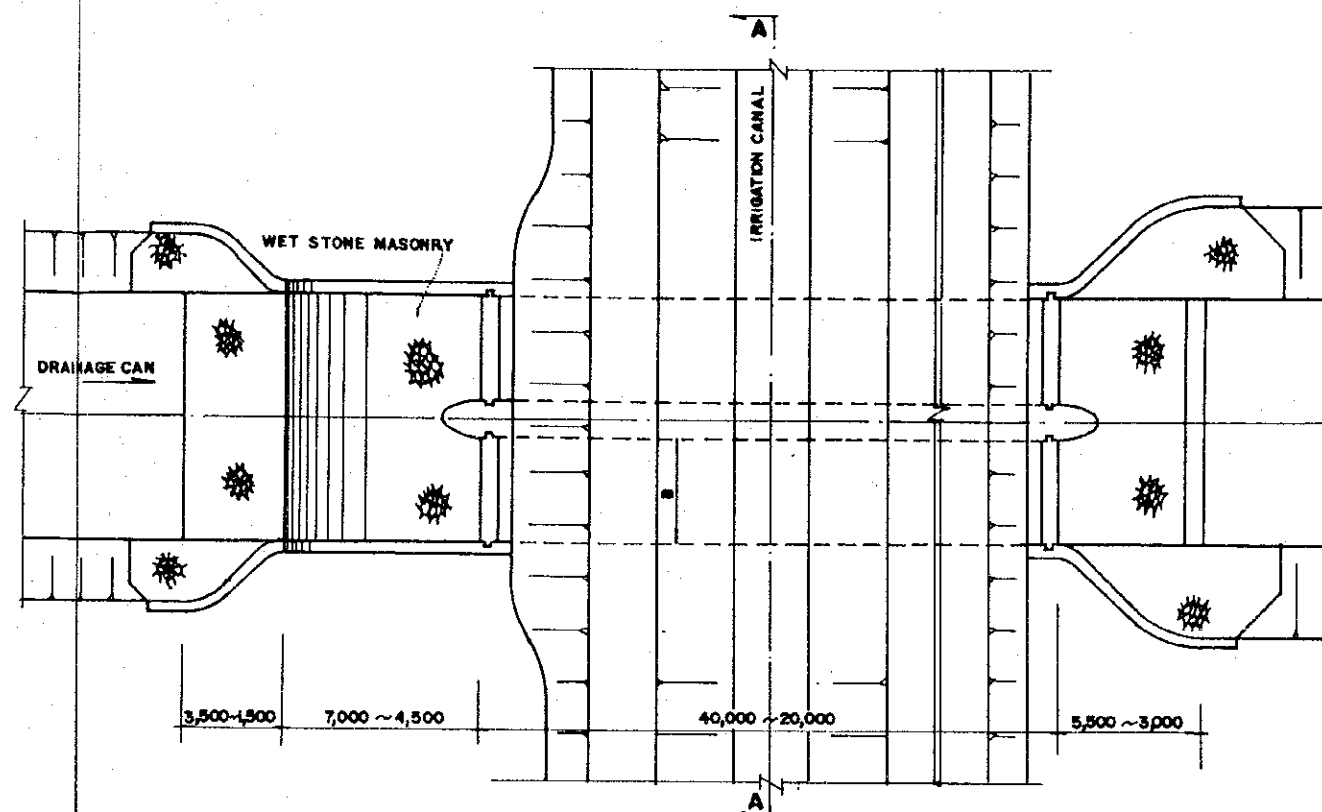
SCALE : A



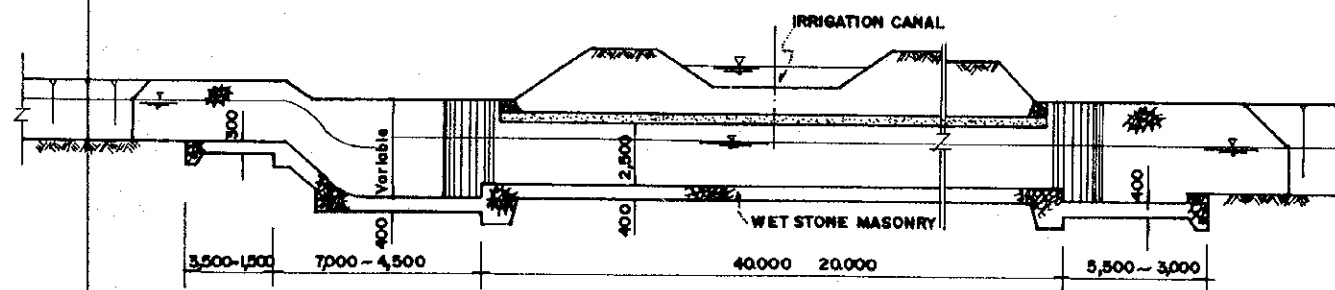
SCALE : B

DIMENSION TABLE OF SYPHON

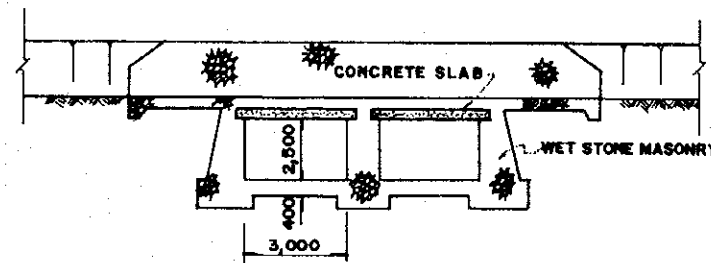
Q (m ³ /s)	D	L1	L2	W	PIPE
0.3 ~ 1.5	1,000	-	-	1,000	φ 1,000
~ 0.3	800	-	-	800	φ 800



PLAN
SCALE : A



PROFILE
SCALE : A

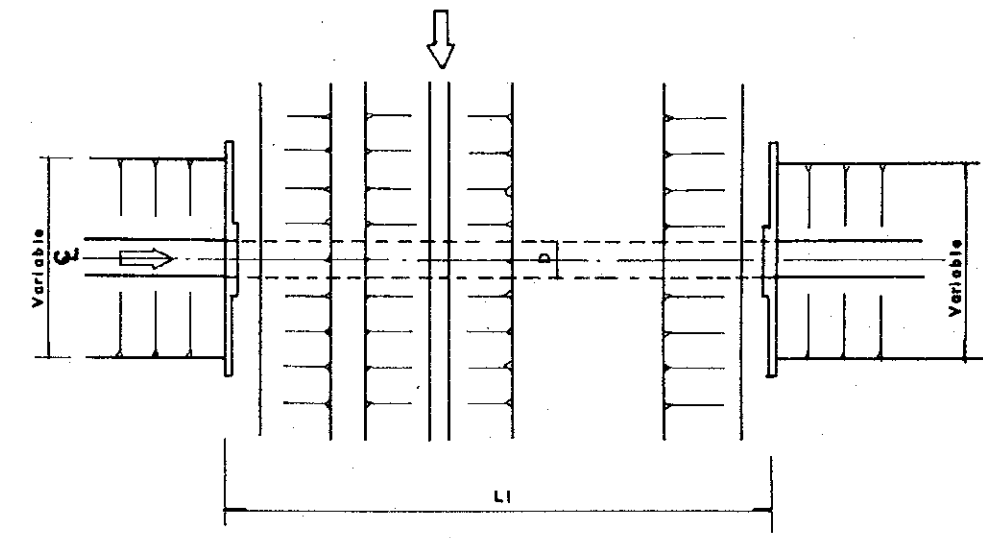
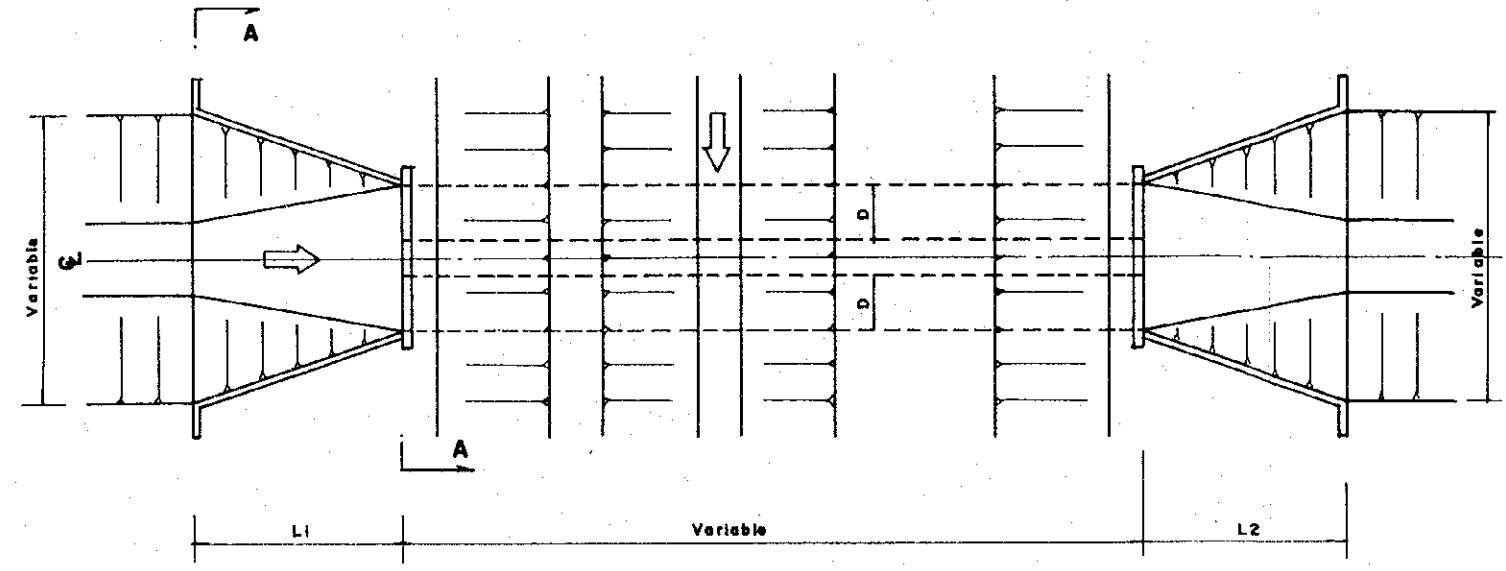


SECTION A - A
SCALE : A

THE REPUBLIC OF INDONESIA		
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT		
TITLE OF DRAWING IRRIGATION AND DRAINAGE TYPICAL DRAWING SYPHON & CROSS DRAIN TYPE-A		
Date	Drawing No.	4026
JAPAN INTERNATIONAL COOPERATION AGENCY		

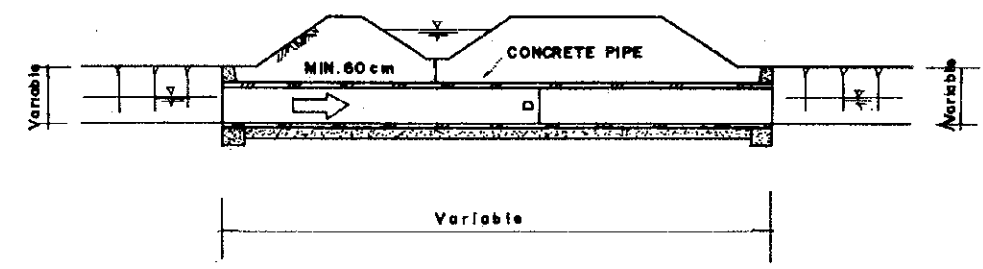
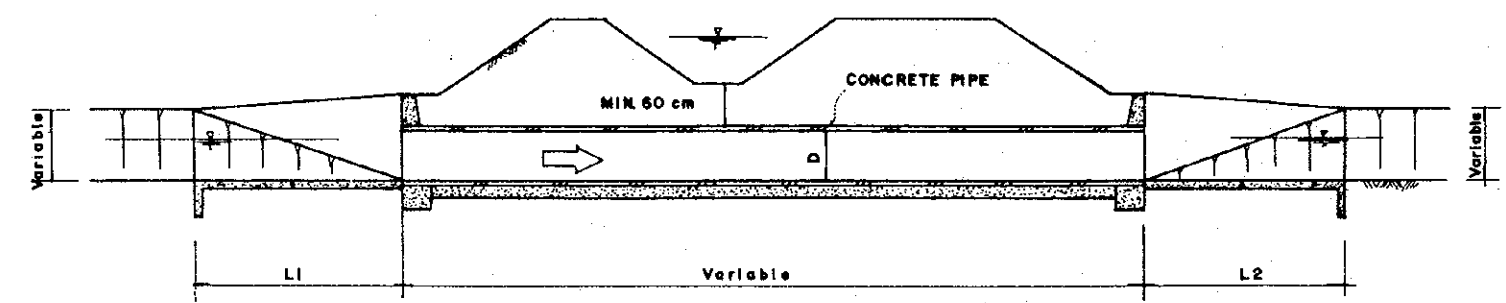
CROSS DRAIN , TYPE - B

CROSS DRAIN , TYPE - C



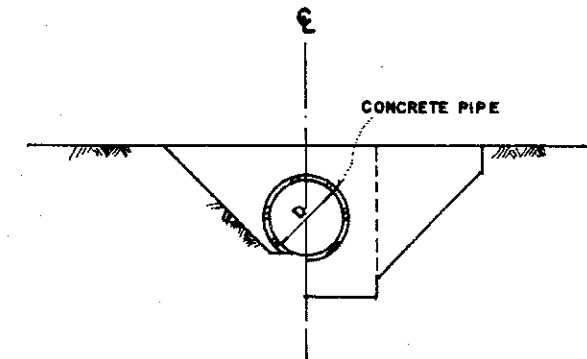
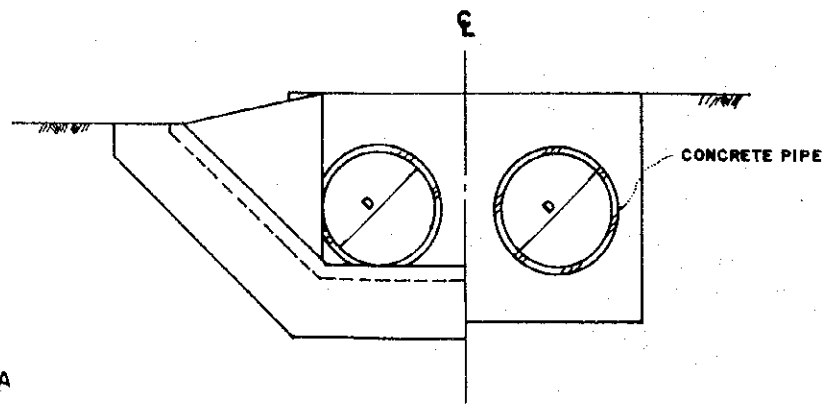
PLAN
SCALE : A

PLAN
SCALE : A



PROFILE
SCALE : A

PROFILE
SCALE : A

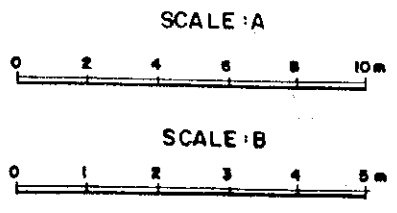


SECTION A - A
SCALE : B

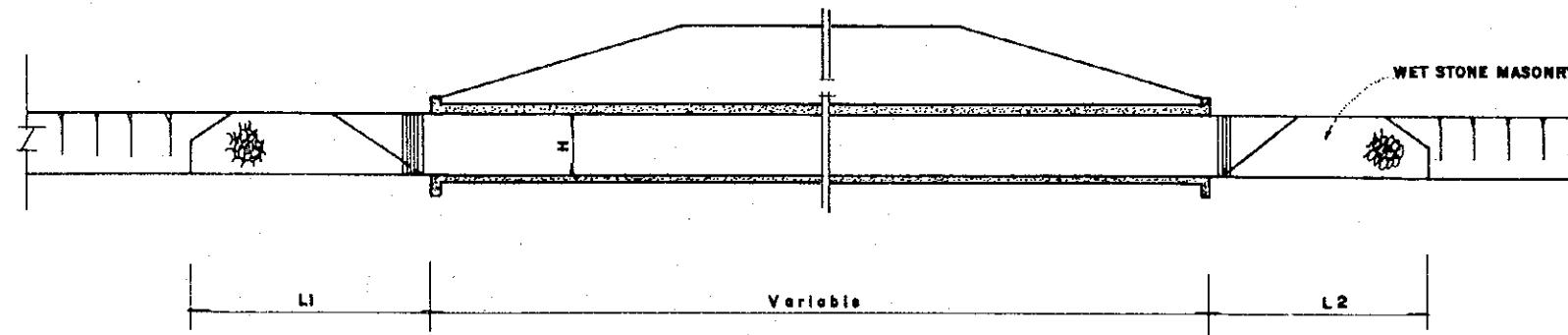
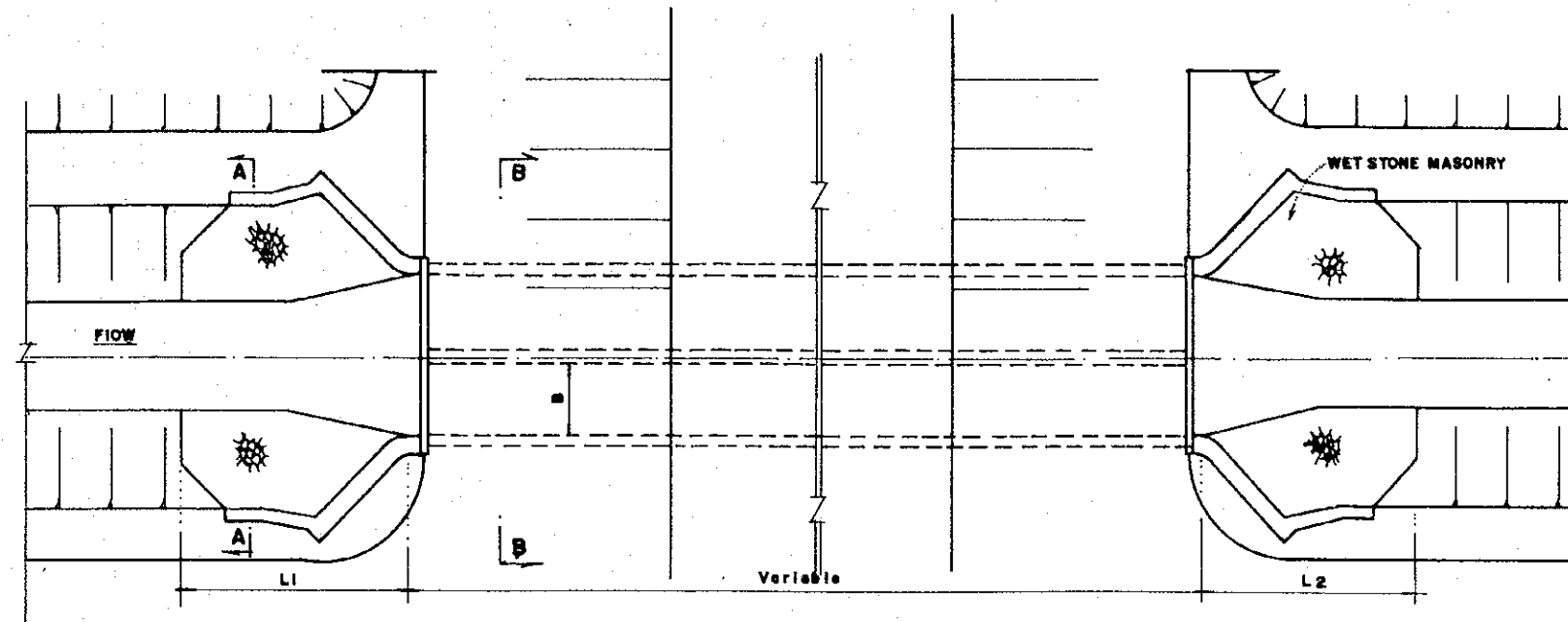
SECTION A - A
SCALE : B

DIMENSION

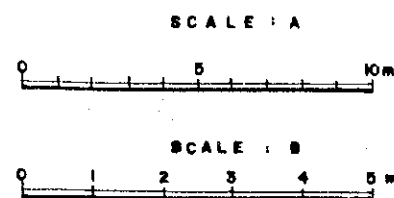
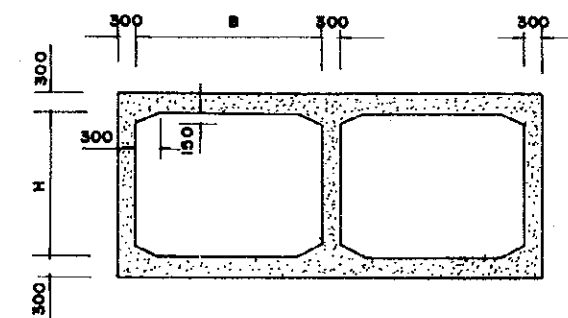
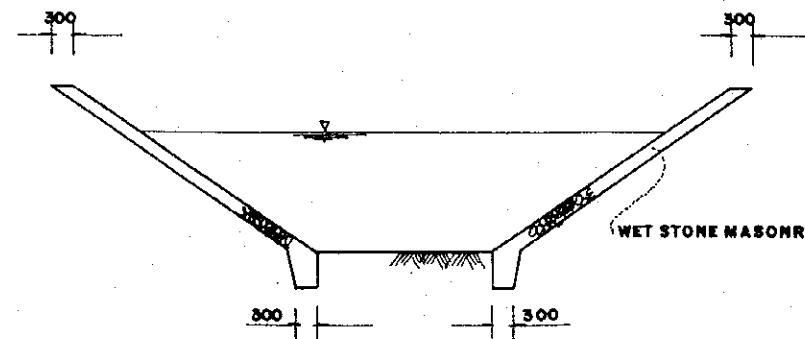
Type	q (m ³ /s)	D	L1	L2	Pipe
B	2.5 ~ 5.0	1,500	5,000	5,000	∅ 1,500 x 2 nos
C - 1	1.0 ~ 2.5	1,500	4,000	4,000	∅ 1,500
C - 2	~ 1.0	1,000	4,000	4,000	∅ 1,000



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 FEASIBILITY STUDY
 ON THE GILIRANG IRRIGATION PROJECT
 TITLE OF DRAWING
 IRRIGATION AND DRAINAGE
 TYPICAL DRAWING CROSS DRAIN TYPE-B, C
 Date _____ Drawing No. 4027
 JAPAN INTERNATIONAL COOPERATION AGENCY



Discharge Q (m ³ /sec)	L1 (mm)	L2 (mm)	H (mm)	B (mm)	Barrel
$3.00 \leq Q$	6,500	6,500	2,000	2,650	Double
$2.00 \leq Q < 3.00$	6,500	6,500	2,000	2,000	Double
$1.00 \leq Q < 2.00$	5,500	5,500	1,500	1,500	Double
$0.50 \leq Q < 1.00$	4,000	4,000	1,500	2,000	Single
$Q < 0.50$	3,500	3,500	1,200	1,200	Single



THE REPUBLIC OF INDONESIA			
FEASIBILITY STUDY ON THE GILIRANG IRRIGATION PROJECT			
TITLE OF DRAWING IRRIGATION AND DRAINAGE TYPICAL DRAWING ROAD CROSSING			
Date	Drawing No.	4028	
JAPAN INTERNATIONAL COOPERATION AGENCY			



JICA
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AFA
LIBRA

Report on the hydrological study regarding the pilot farm phase 2.

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BRARY