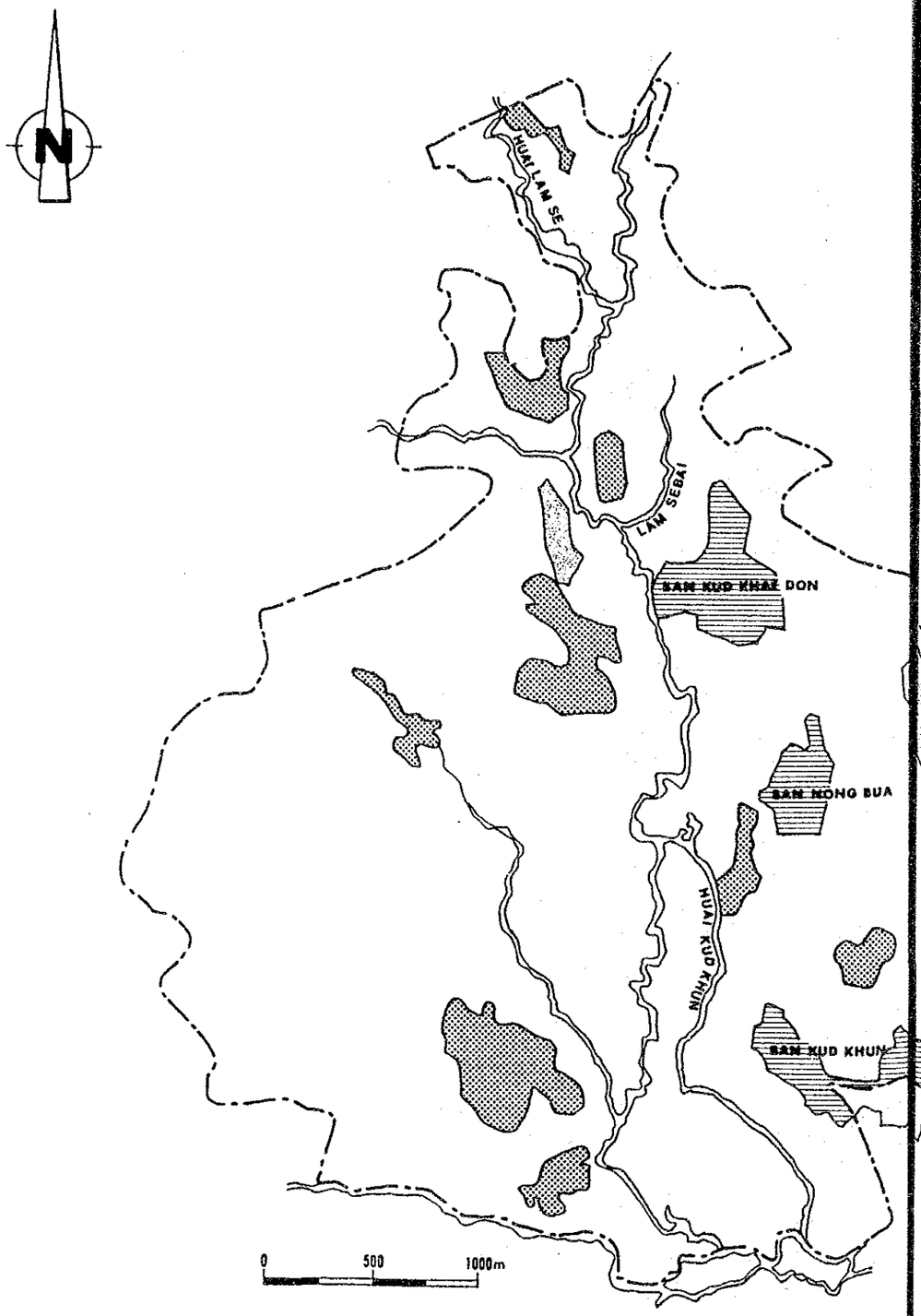


LEGEND

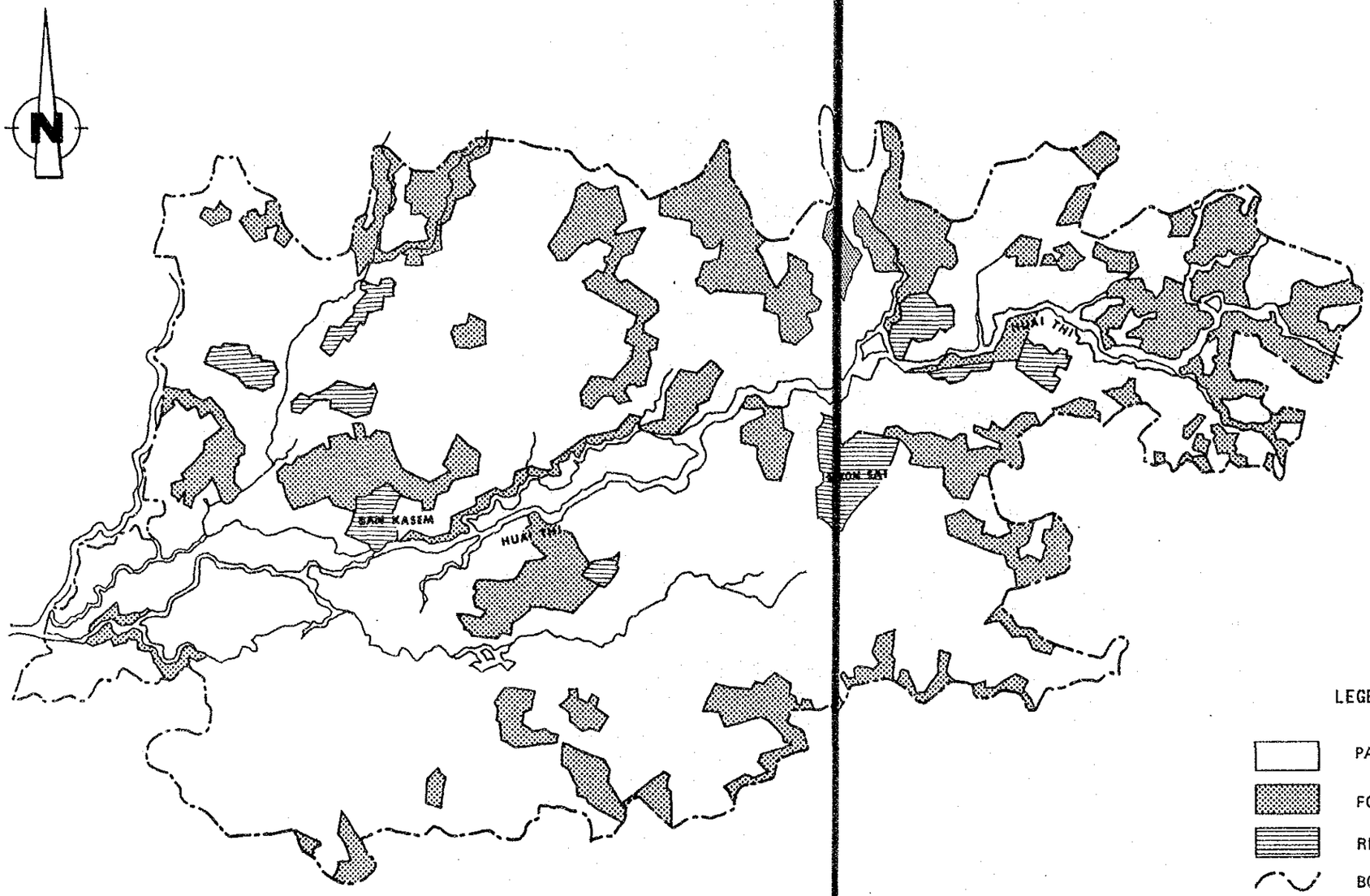
- PADDY FIELD
- FOREST AREA
- PRESIDENTIAL AREA
- OTHERS
- BOUNDARY OF PROJECT AREA

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PRESENT LAND USE (1/5)

LAM SE

NO F-11 | JAPAN INTERNATIONAL COOPERATION AGENCY



LEGEND

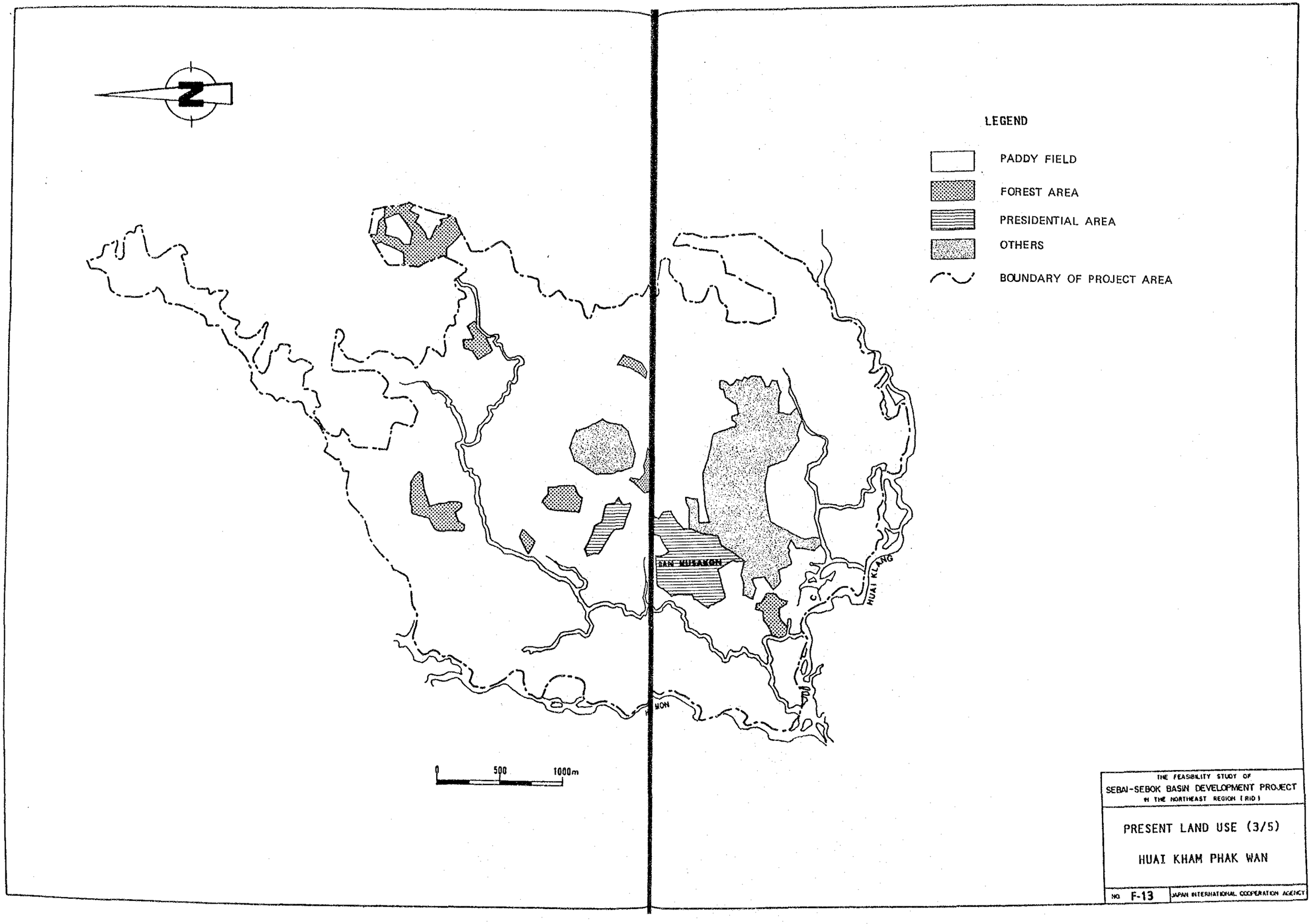
- PADDY FIELD
- FOREST AREA
- RESIDENTIAL AREA
- BOUNDARY OF PROJECT AREA

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PRESENT LAND USE (2/5)

HUAI KHUM KHAM

NO F-12 | JAPAN INTERNATIONAL COOPERATION AGENCY

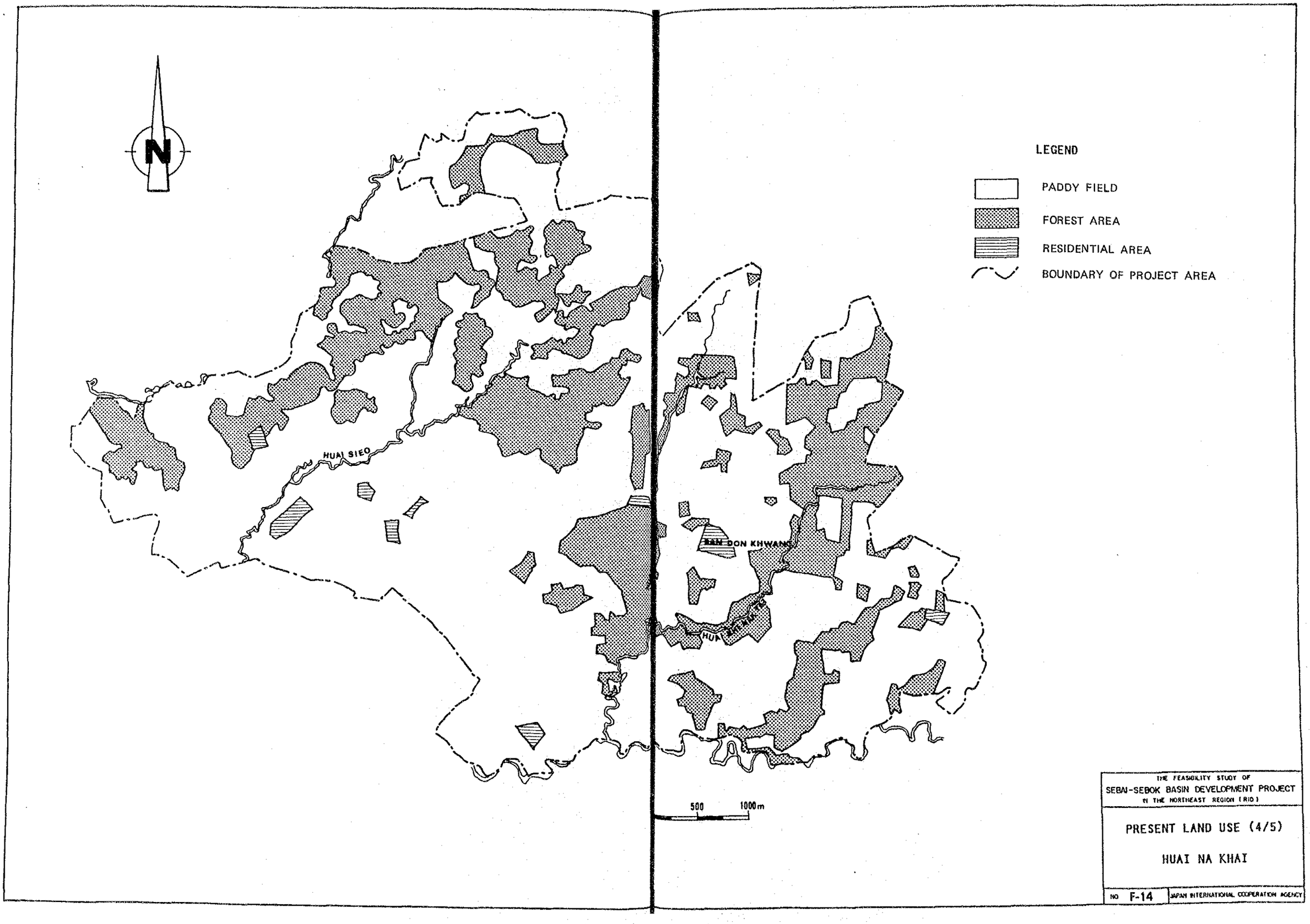


THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PRESENT LAND USE (3/5)

HUAI KHAM PHAK WAN

NO. F-13 | JAPAN INTERNATIONAL COOPERATION AGENCY

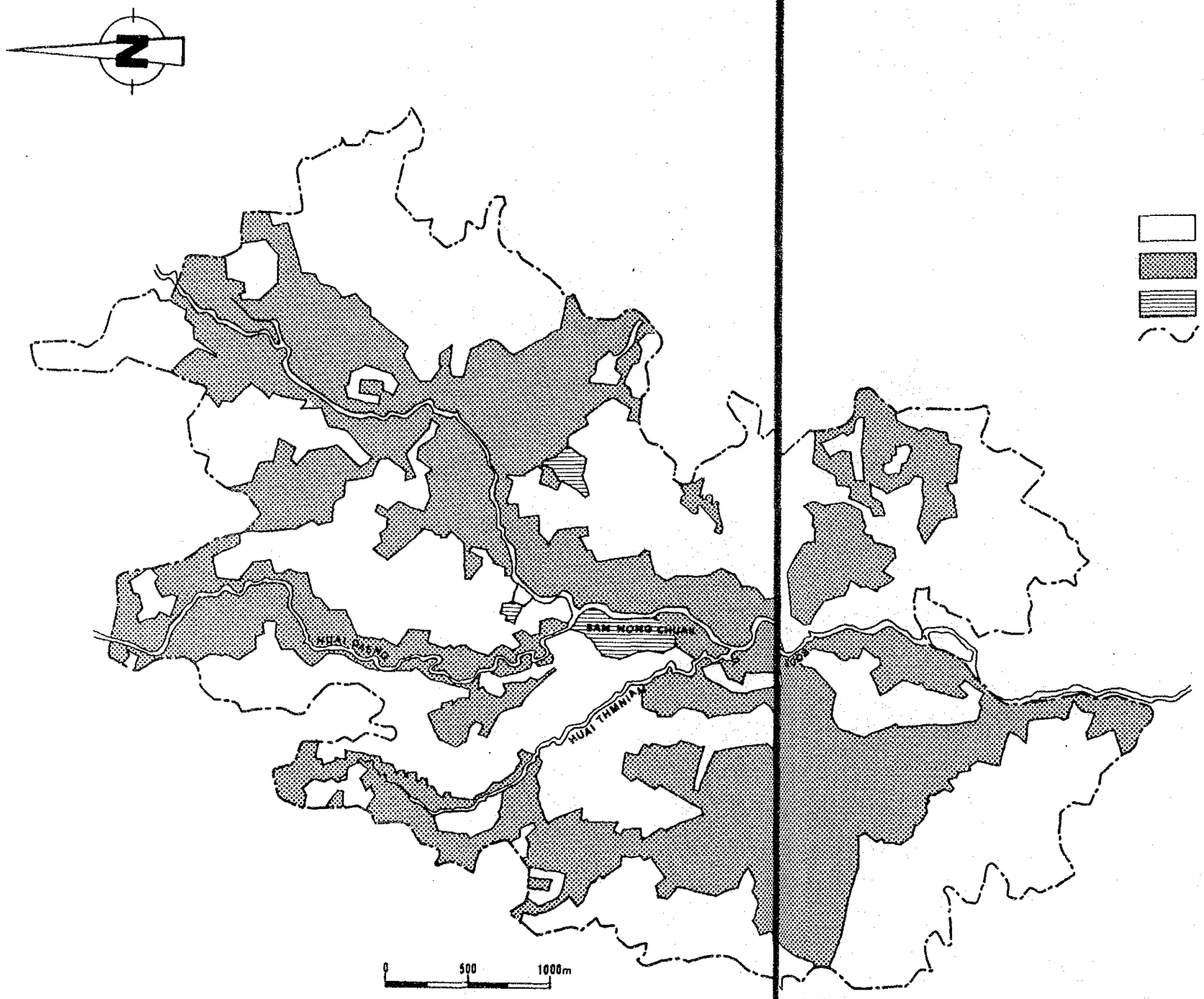


THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PRESENT LAND USE (4/5)

HUAI NA KHAI

NO F-14 | JAPAN INTERNATIONAL COOPERATION AGENCY



LEGEND

- PADDY FIELD
- FOREST AREA
- RESIDENTIAL AREA
- BOUNDARY OF PROJECT AREA

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (R10)

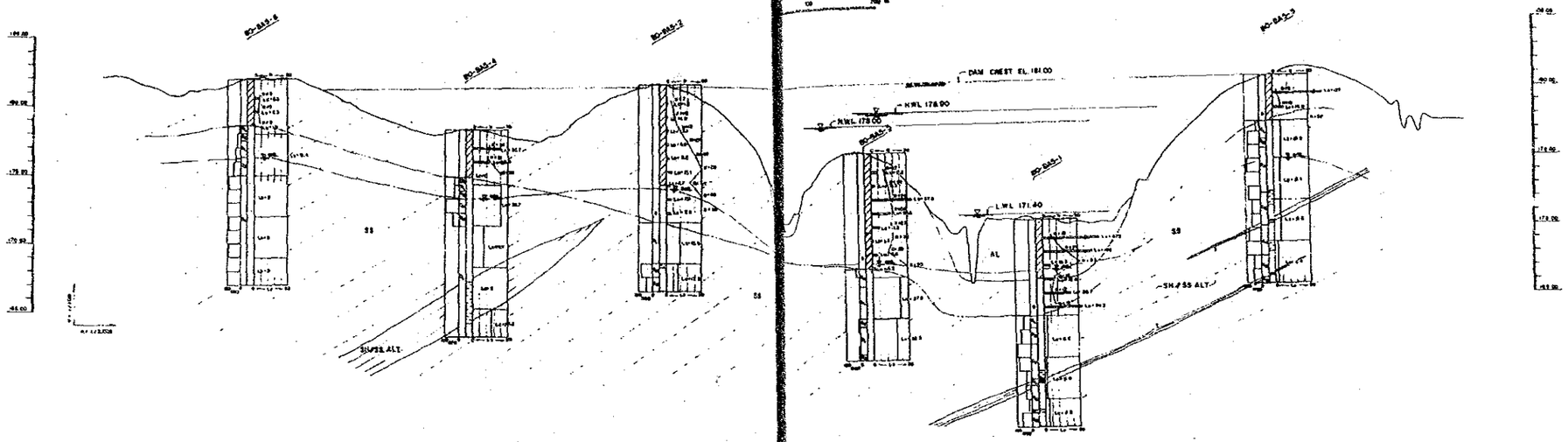
PRESENT LAND USE (5/5)

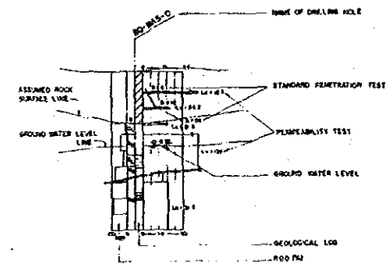
HUAI SOOB

NO F-15 | JAPAN INTERNATIONAL COOPERATION AGENCY

LAM SE DAM SITE

GEOLOGICAL PROFILE ALONG THE DAM AXIS





LEGEND

SILTY SAND	SANDSTONE
SANDY SILT	SILTSTONE
SAND	PEBBLY SANDSTONE
CLAYEY GRAVEL	SHALE
SILTY CLAY OR SANDY CLAY	COARSE SANDSTONE

AL	ALLUVIAL DEPOSIT
SS	SANDSTONE
SH/SS/SLT	SHALE, SILTSTONE, SANDSTONE ALTERNATION
CSS	COARSE SANDSTONE WITH CONGLOMERATE

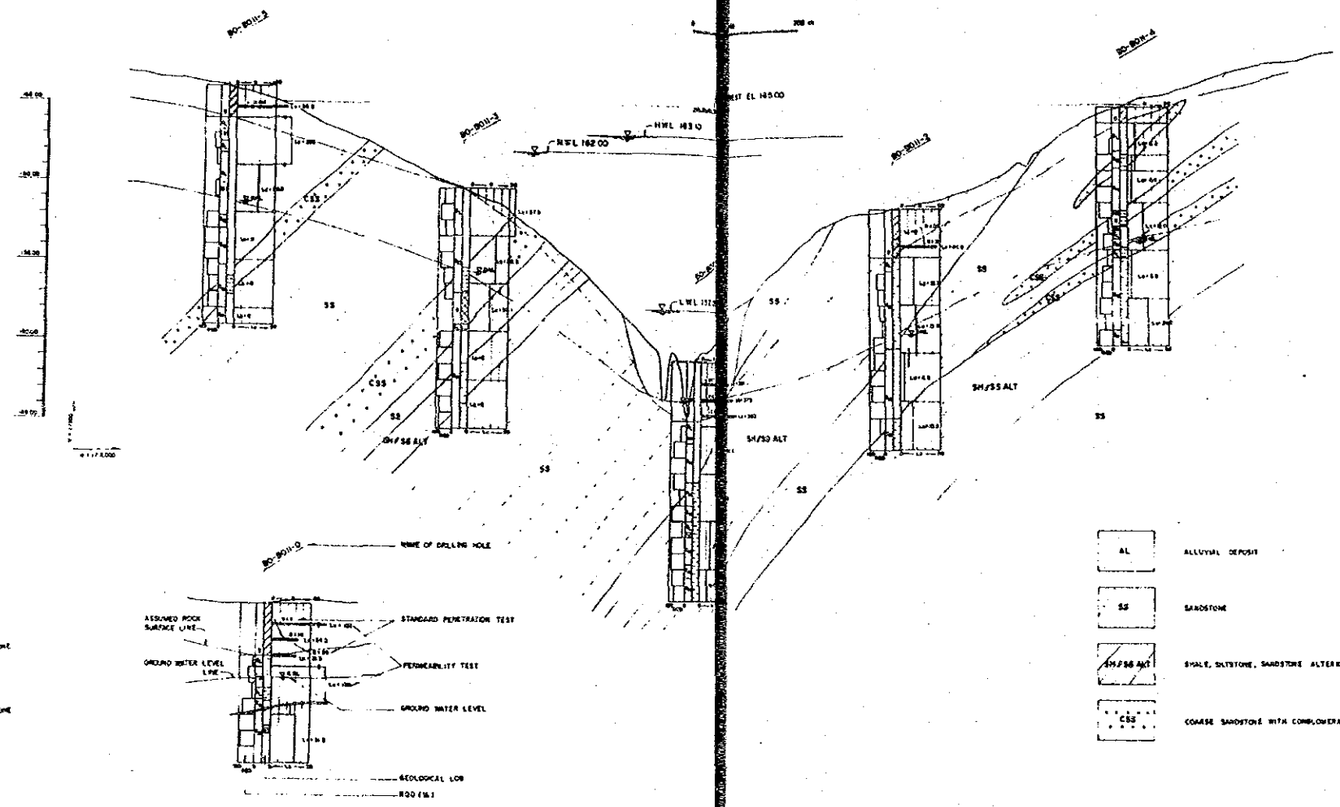
THE FEASIBILITY STUDY OF
SEBAI-SEDOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (BSD)

GEOLOGICAL PROFILE (1/5), LAM SE DAM

NO F-16 JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI KHUM KHAM DAM SITE

GEOLOGICAL PROFILE ALONG THE DAM AXIS



LEGEND

- SILTY SAND
- SANDY SILT
- SAND
- CLAYEY GRAVEL
- SILTY CLAY OR SANDY CLAY
- SANDSTONE
- SILTSTONE
- PEBBLY SANDSTONE
- SHALE
- COARSE SANDSTONE
- AL — ALLUVIAL DEPOSIT
- SS — SANDSTONE
- SH/SS ALT — SHALE, SILTSTONE, SANDSTONE ALTERATION
- CSS — COARSE SANDSTONE WITH CONGLOMERATE

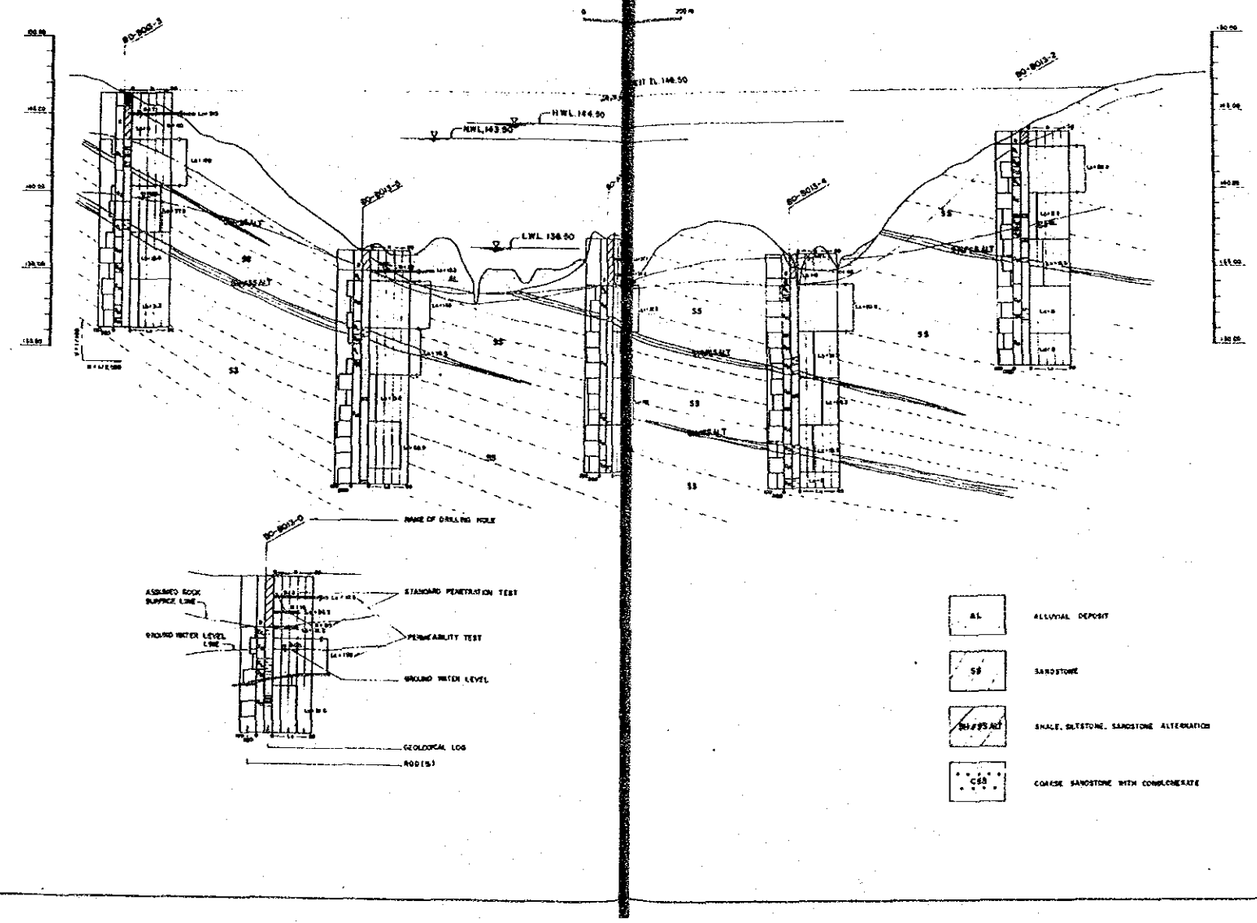
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (R9)

GEOLOGICAL PROFILE (2/5), HUAI KHUM KHAM DAM

NO F-17 | JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI KHAM PHAK WAN DAM SITE

GEOLOGICAL PROFILE ALONG THE DAM AXIS



LEGEND

- SILTY SAND
- SANDY SILT
- SAND
- CLAYEY GRAVEL
- SILTY CLAY OR SANDY CLAY
- SANDSTONE
- SILTSTONE
- PEBBLY SANDSTONE
- SHALE
- COARSE SANDSTONE

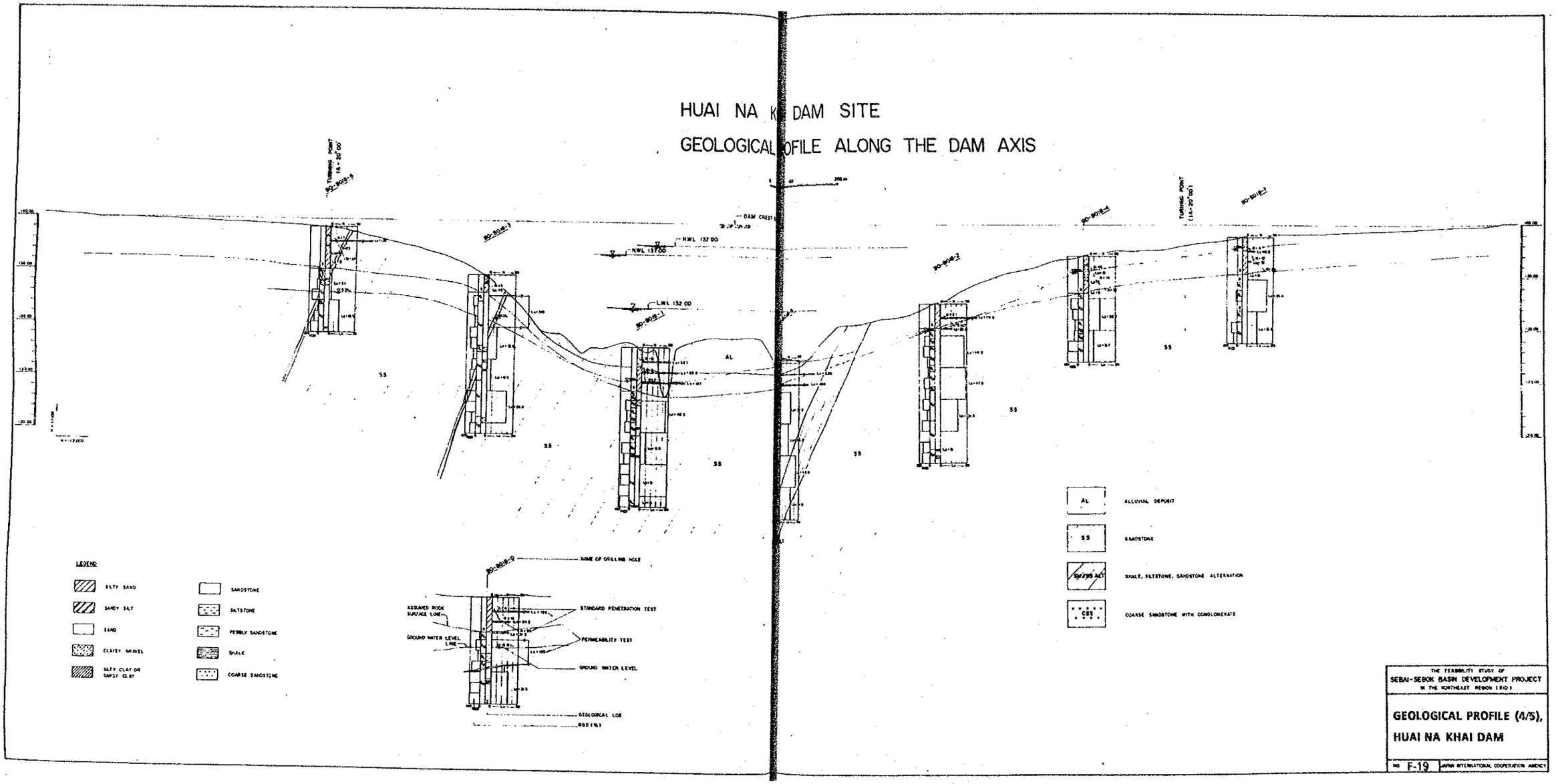
- AL — ALLUVIAL DEPOSIT
- SS — SANDSTONE
- SH / SS ALT — SHALE, SILTSTONE, SANDSTONE ALTERNATION
- CGS — COARSE SANDSTONE WITH CONGLOMERATE

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

GEOLOGICAL PROFILE (3/5),
HUAI KHAM PHAK WAN DAM

RID F-18 JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI NA KHAI DAM SITE
GEOLOGICAL PROFILE ALONG THE DAM AXIS



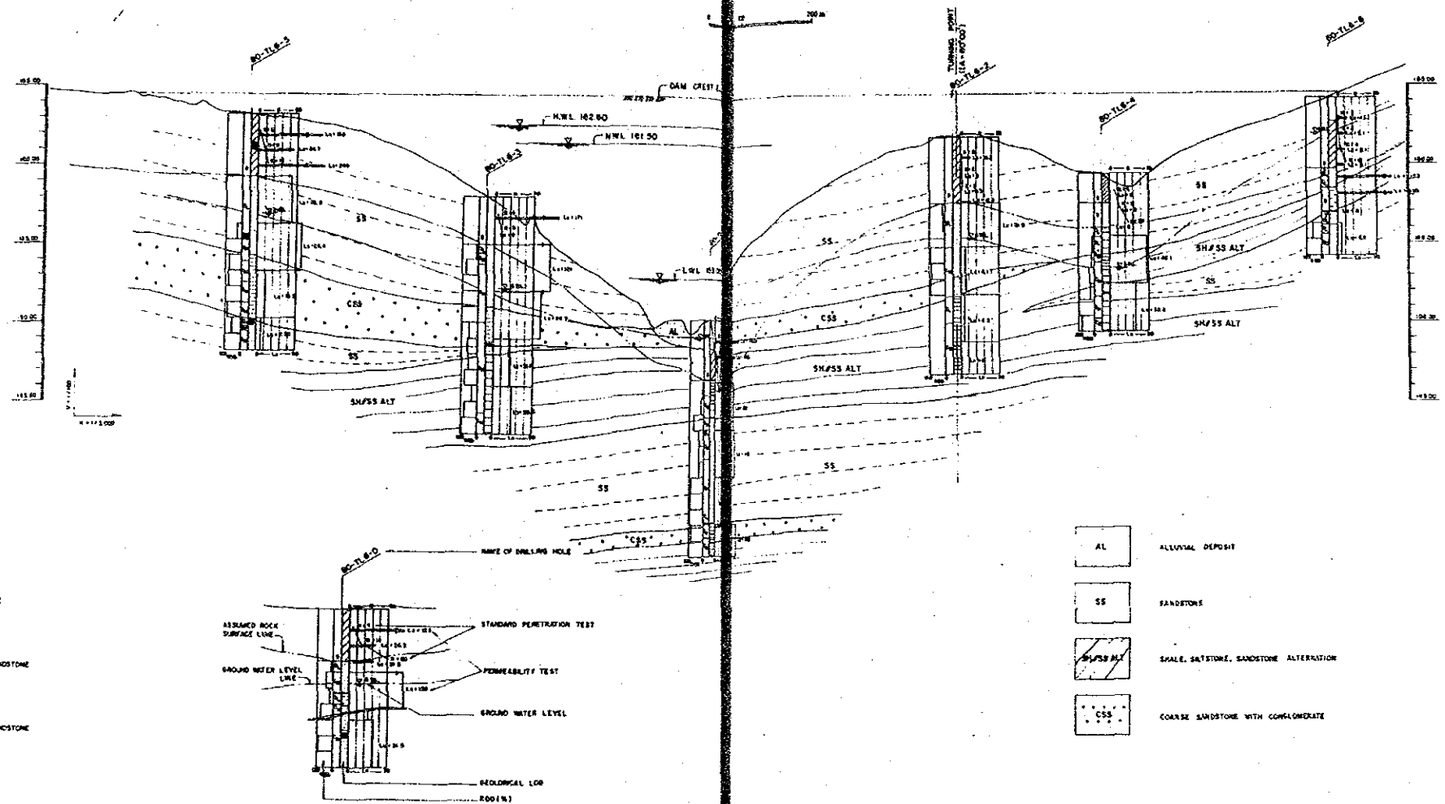
THE FEASIBILITY STUDY OF
SEBAU-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

GEOLOGICAL PROFILE (4/5), HUAI NA KHAI DAM

NO F-19 JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI SOOB DAM SITE

GEOLOGICAL PROFILE THE DAM AXIS



LEGEND

- SILTY SAND
- SANDY SILT
- SAND
- CLAYEY GRAVEL
- SILTY CLAY OR SANDY CLAY
- SANDSTONE
- SILTSTONE
- PEBBLY SANDSTONE
- SHALE
- COARSE SANDSTONE

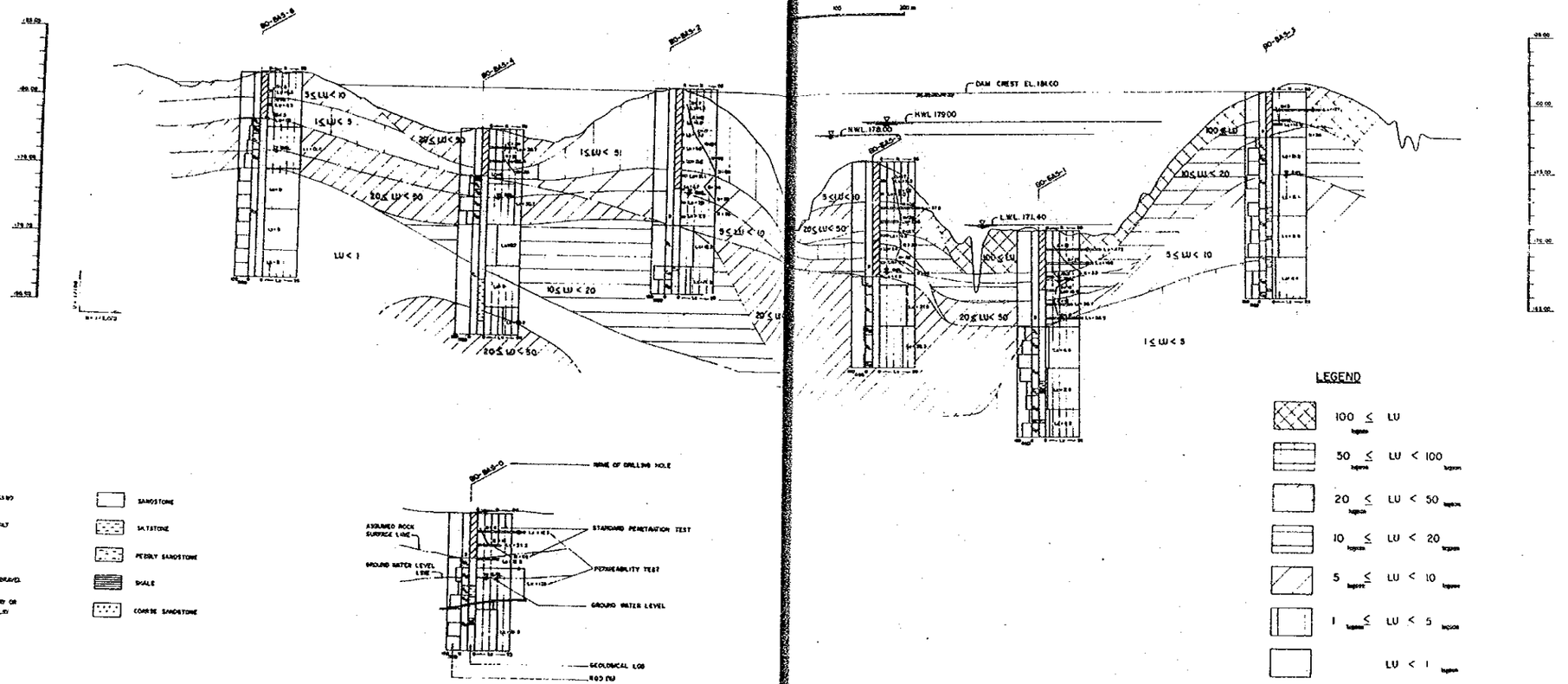
- AL — ALLUVIAL DEPOSIT
- SS — SANDSTONE
- SH/SS ALT — SHALE, SILTSTONE, SANDSTONE ALTERNATION
- CSS — COARSE SANDSTONE WITH CONGLOMERATE

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST THAILAND (PHASE I)

GEOLOGICAL PROFILE (5/5), HUAI SOOB DAM

NO. F-20 | JAPAN INTERNATIONAL COOPERATION AGENCY

LAM SE DAM SITE
LUGEON MAP



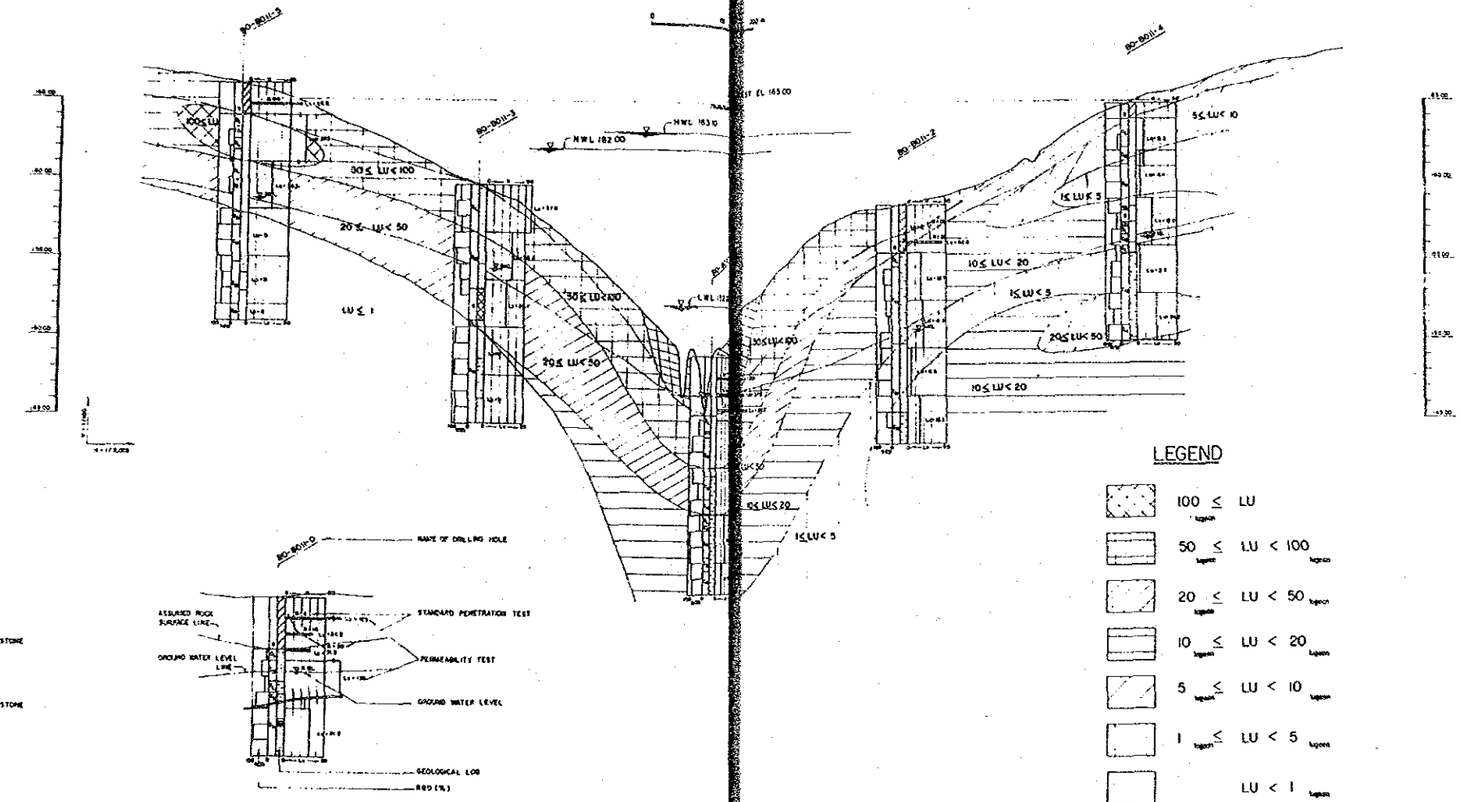
THE FEASIBILITY STUDY OF
SEBAU-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RNI)

LUGEON MAP (1/5)
LAM SE DAM

NO F-21 JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI KHUM KHAM DAM SITE

LUGEON MAP



LEGEND

- $100 \leq LU_{Lugeon}$
- $50 \leq LU_{Lugeon} < 100$
- $20 \leq LU_{Lugeon} < 50$
- $10 \leq LU_{Lugeon} < 20$
- $5 \leq LU_{Lugeon} < 10$
- $1 \leq LU_{Lugeon} < 5$
- $LU < 1$ Lugeon

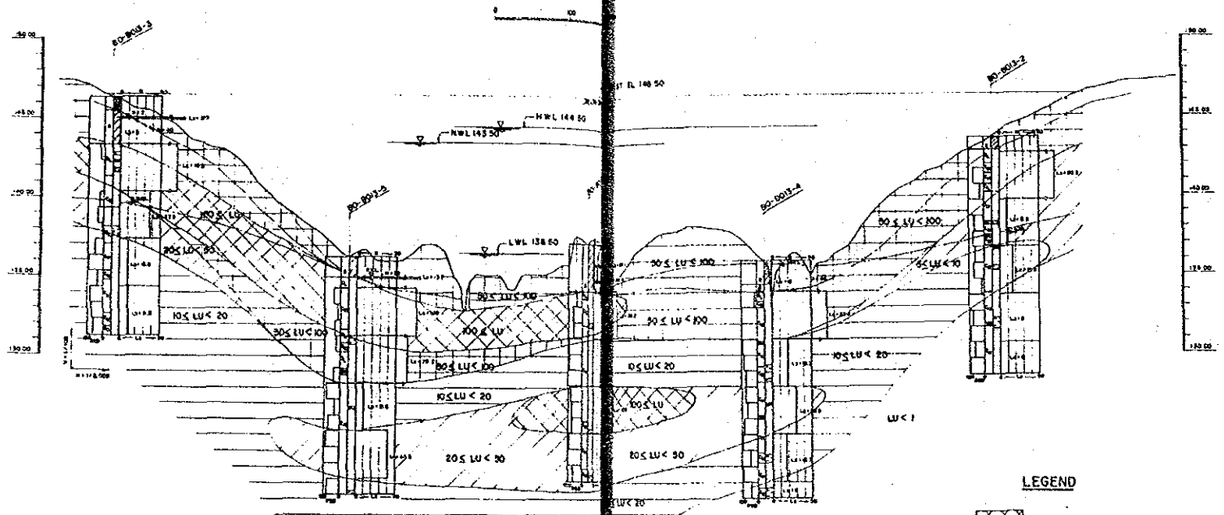
THE FEASIBILITY STUDY OF
SEBAU-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (IND.)

LUGEON MAP (2/5)
HUAI KHUM KHAM DAM

NO. F-22 | JAPAN INTERNATIONAL COOPERATION AGENCY

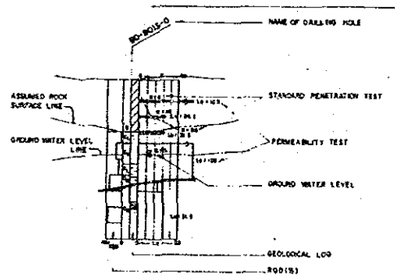
HUAI KHAM PHAK WAN DAM SITE

LUGEON MAP



LEGEND

- SILTY SAND
- SANDY SILT
- SAND
- CLAYEY GRAVEL
- SILTY CLAY OR SANDY CLAY
- SANDSTONE
- SILTSTONE
- PEBBLY SANDSTONE
- SHALE
- COARSE SANDSTONE



LEGEND

- $100 \leq LU$
- $50 \leq LU < 100$ kg/cm
- $20 \leq LU < 50$ kg/cm
- $10 \leq LU < 20$ kg/cm
- $5 \leq LU < 10$ kg/cm
- $1 \leq LU < 5$ kg/cm
- $LU < 1$ kg/cm

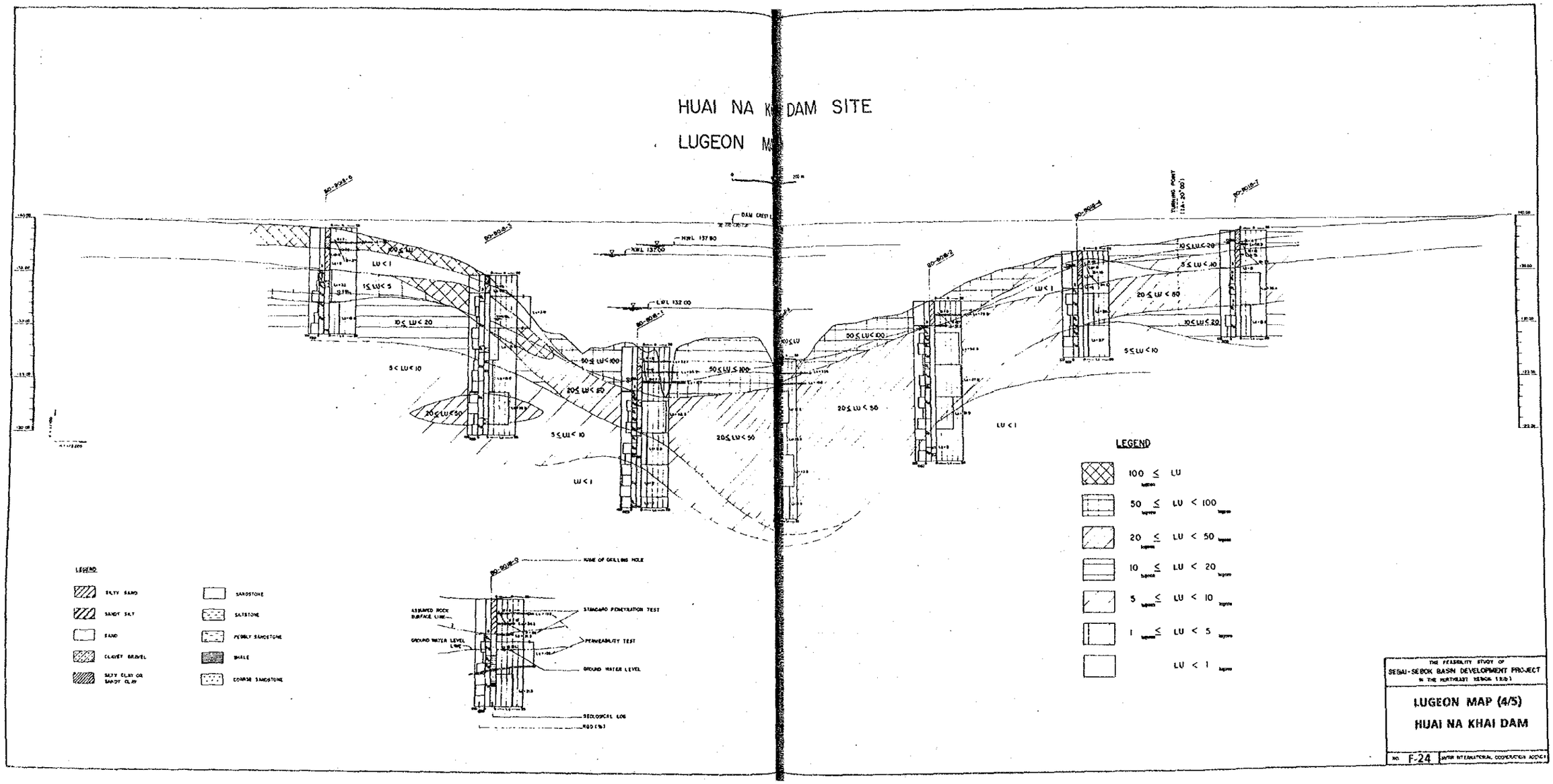
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (E0)

LUGEON MAP (3/5)
HUAI KHAM PHAK WAN DAM

NO. F-23 | JAPAN INTERNATIONAL COOPERATION AGENCY

HUAI NA K[illegible] DAM SITE

LUGEON M[illegible]



THE FEASIBILITY STUDY OF
SEGAU-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST SEBOK [illegible]

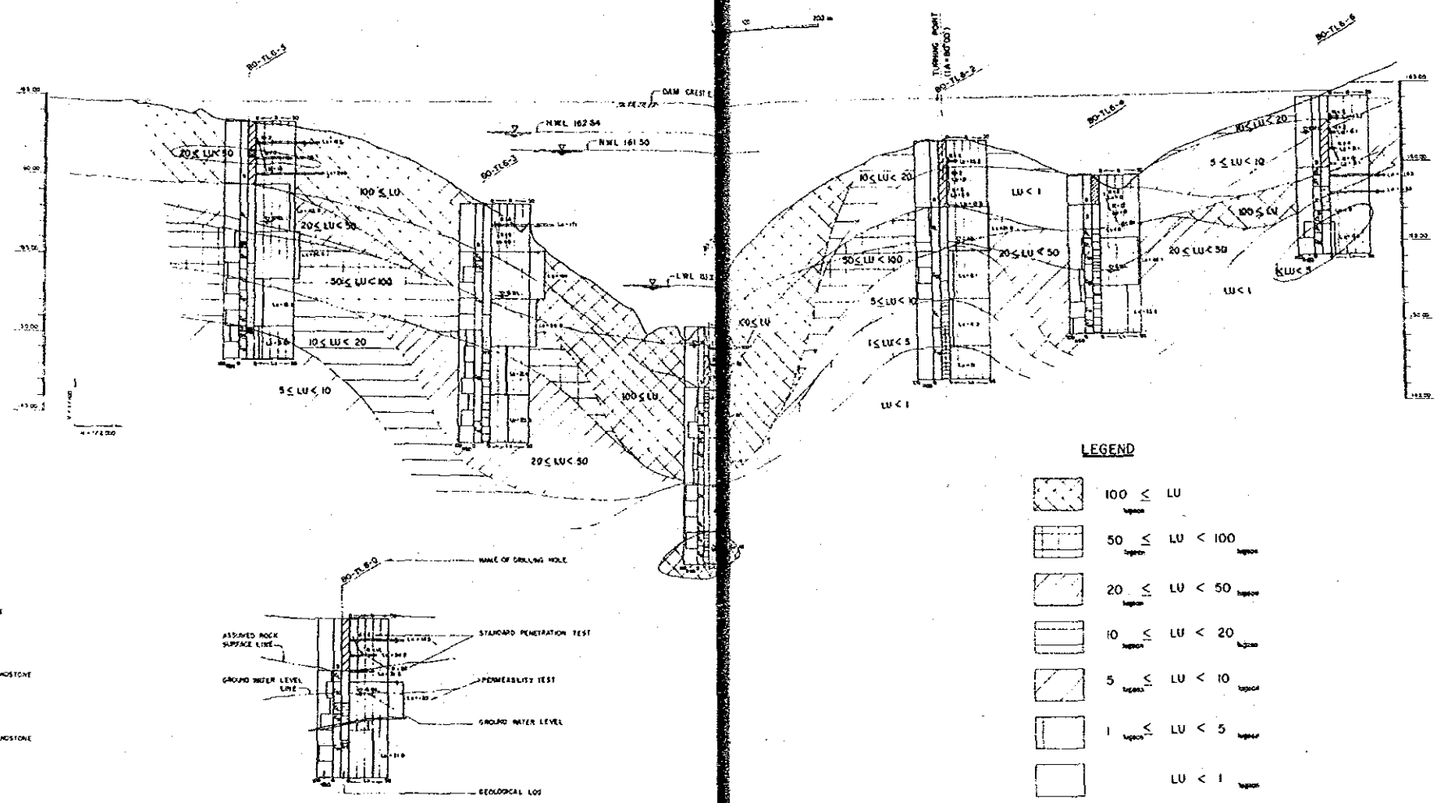
LUGEON MAP (4/5)

HUAI NA KHAI DAM

NO. F-24 [illegible]

HUAI SOOB DAM SITE

LUGEON MAP



LEGEND

SILTY SAND	SANDSTONE
SANDY SILT	SILTSTONE
SAND	PEBBLY SANDSTONE
CLAYEY GRAVEL	SHALE
SILTY CLAY OR SANDY CLAY	COARSE SANDSTONE

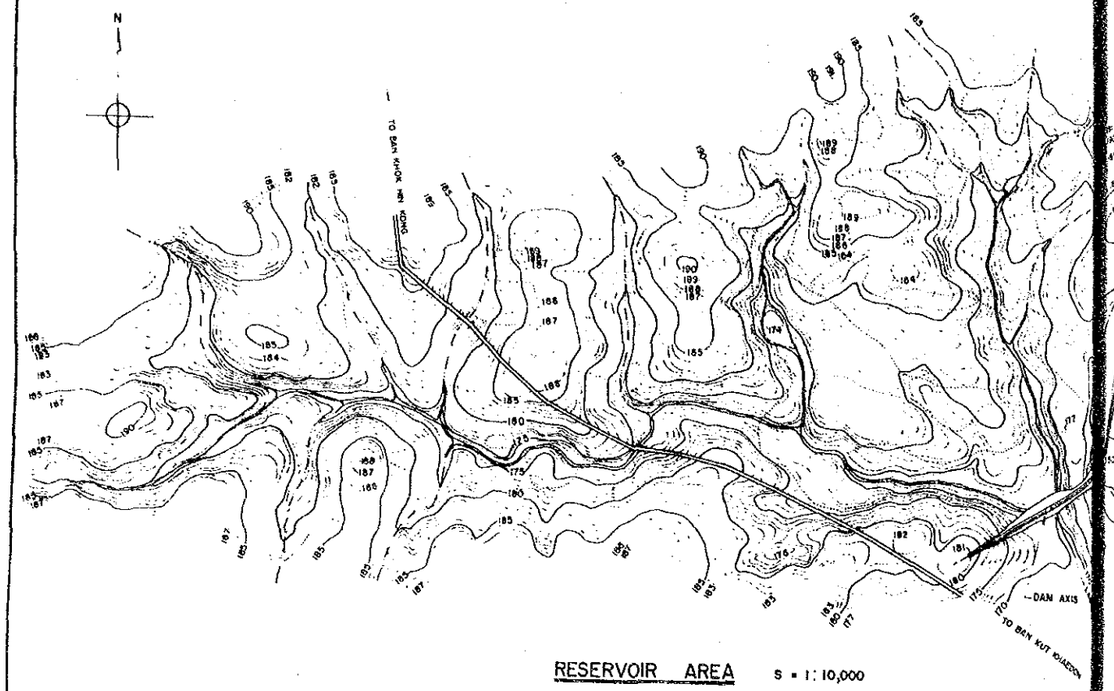
LEGEND

100 ≤ LU	
50 ≤ LU < 100	
20 ≤ LU < 50	
10 ≤ LU < 20	
5 ≤ LU < 10	
1 ≤ LU < 5	
LU < 1	

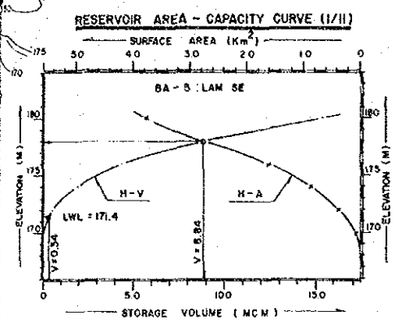
THE FEASIBILITY STUDY ON
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (II)

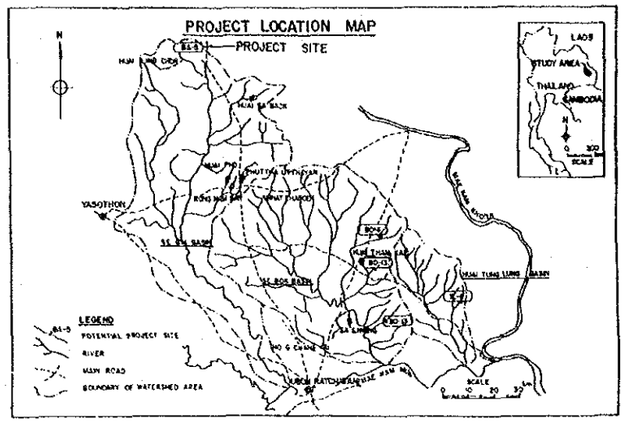
LUGEON MAP (5/5)
HUAI SOOB DAM

NO F-25 JAPAN INTERNATIONAL COOPERATION AGENCY



RESERVOIR AREA S = 1:10,000



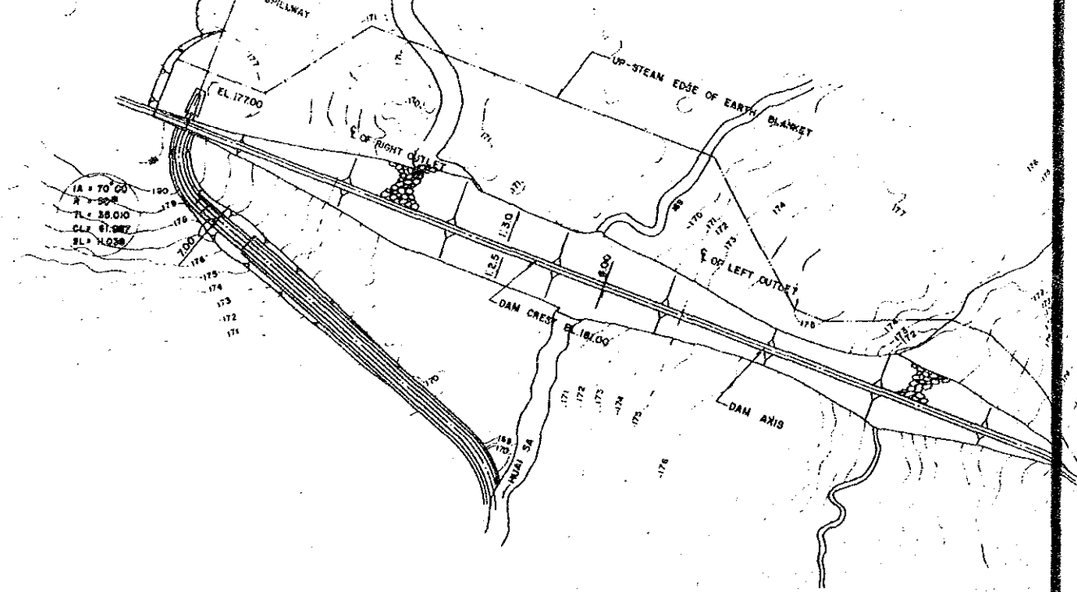


MAJOR FEATURES OF LAM SE RESERVOIR

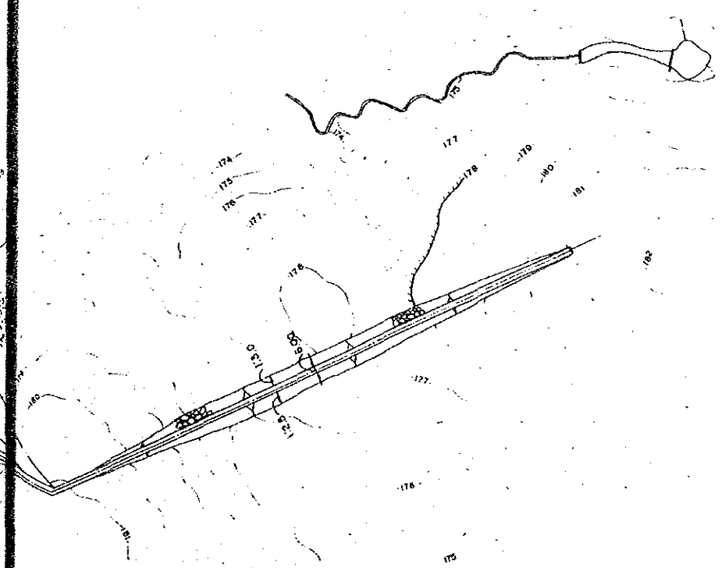
ITEM	DESCRIPTION	ITEM	DESCRIPTION
(1) RESERVOIR		d) CREST LENGTH (m)	1,440
a) RIVER BASIN	SEBAI BASIN	e) EMBANKMENT (m^3)	331,000
b) RIVER NAME	LAM SE	f) FOUNDATION TREATMENT	EARTH BLANKET
c) WATERSHED (km^2)	22.4	(4) SPILL-WAY	
d) TOTAL STORAGE (MCM)	8.84	a) DESIGN FLOOD(cms)	222
e) EFFECTIVE STORAGE(MCM)	8.50	b) DESIGN DISCHARGE(cms)	67
f) H.W.L. (MSL)	179.0	c) SPILLWAY TYPE	OUCK SILL TYPE
g) N.W.L. (MSL)	178.0	d) CREST LENGTH (m)	40.0
h) L.W.L. (MSL)	171.4		
(2) FOUNDATION	CRETACEOUS SANDSTONE SHALE	(5) OUTLET	
		a) LEFT OUTLET	1
(3) DAM-BODY		- DESIGN DISCHARGE(cms)	0.90
a) DAM TYPE	EARTH FILL TYPE W/EARTH BLANKET	- CONDUIT ϕ (m)	0.80
b) DAM CREST EL. (MSL)	181.0	b) RIGHT OUTLET	1
c) DAM HEIGHT (m)	16.0	- DESIGN DISCHARGE(cms)	0.86
		- CONDUIT ϕ (m)	0.80

NOTE.

1. ALL DIMENSIONS SHOW IN METER.



DAM SITE PLAN S = 1:2,000



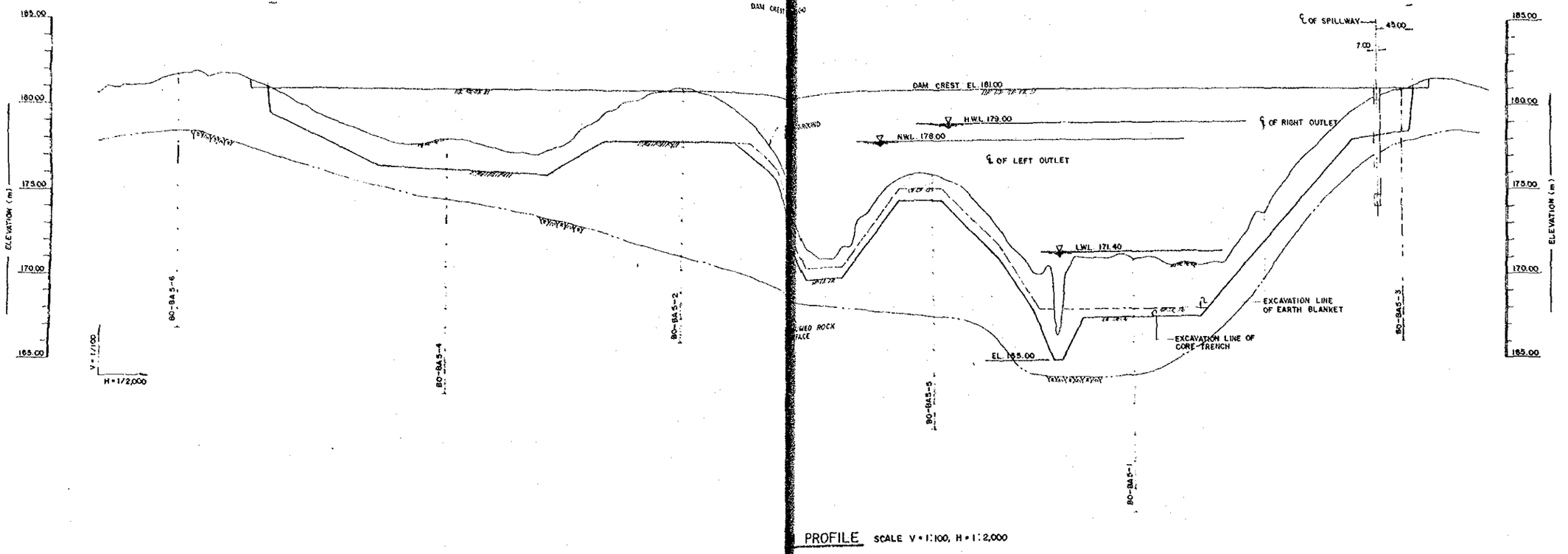
SCALE 1:10,000
0 500 1,000m

SCALE 1:2,000
0 100 200m

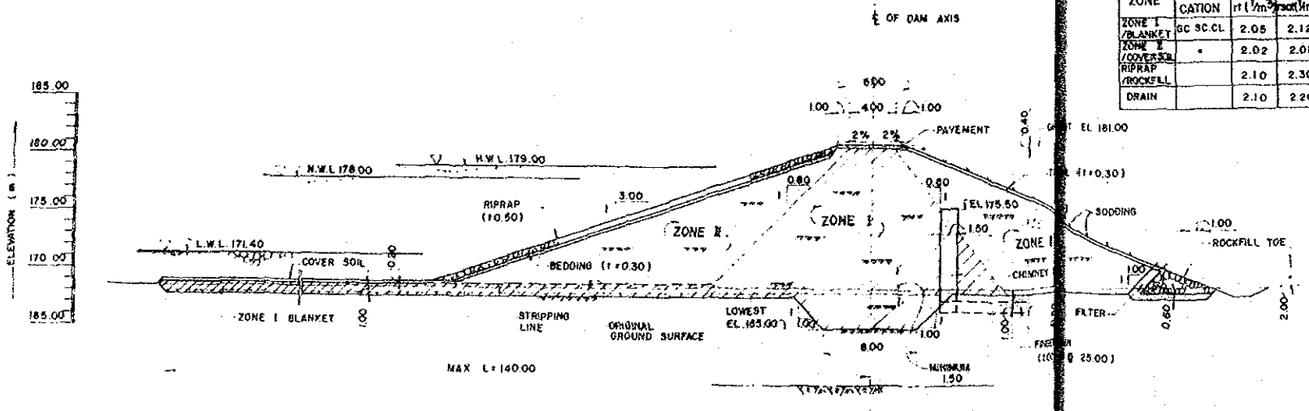
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

LAM SE PROJECT
RESERVOIR PLAN (1/3)
RESERVOIR & DAM SITE

NO. F-26 JAPAN INTERNATIONAL COOPERATION AGENCY



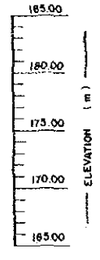
PROFILE SCALE V = 1:100, H = 1:2,000



DAM TYPICAL SECTION

SCALE 1:200

ZONE	APPLICATION	DESIGN VALUE γt (t/m³)	γsat (t/m³)	C (t)	Ø (°)	REMARKS
ZONE I /BLANKET	GC SC.CL	2.05	2.12	1.0	21	D≧ 98 %
ZONE II /COVER SOIL	"	2.02	2.08	1.0	21	D≧ 95 %
RIPRAP /ROCKFILL		2.10	2.30	—	40	PURCHASING
DRAIN		2.10	2.20	—	35	PURCHASING



NOTE

1. ALL DIMENSIONS SHOW IN METER.

SCALE 1:100
0 5.0 10.0m.

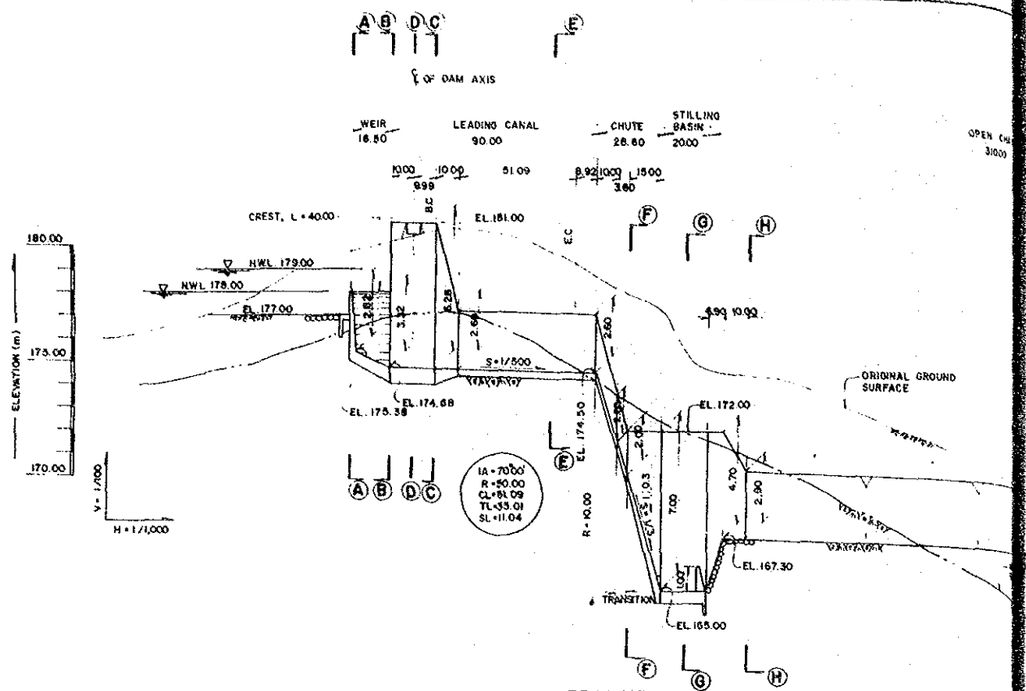
SCALE 1:200
0 10.0 20.0m.

SCALE 1:2,000
0 100 200m.

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

LAM SE PROJECT
RESERVOIR PLAN (2/3)
DAM PROFILE & SECTION

NO. F-27 JAPAN INTERNATIONAL COOPERATION AGENCY

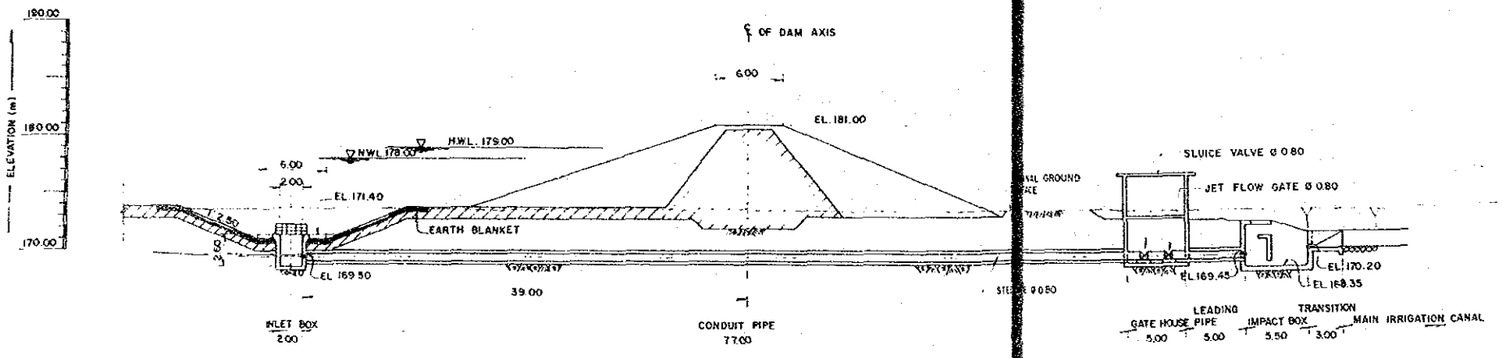


PROFILE OF SPILLWAY

SCALE : V = 1/100, H = 1/1,000

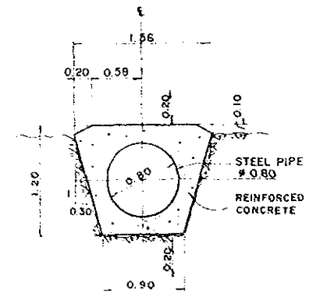
NOTE

1. ALL DIMENSIONS SHOW IN METER.



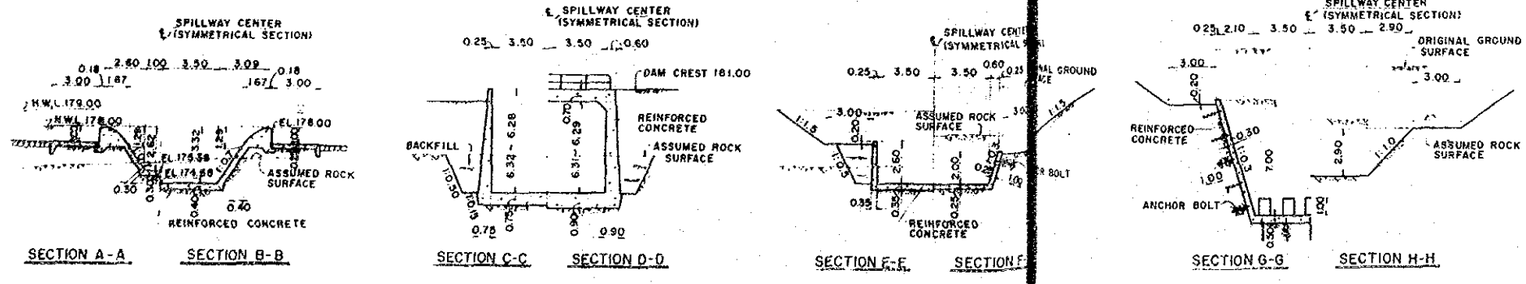
PROFILE OF LEFT & RIGHT OUTLET

SCALE 1:200



TYPICA SECTION OF CONDUIT PIPE

SCALE 1:250



SECTIONS OF SPILLWAY

NONSCALE

SCALE 1:100
0 5.0 10.0m

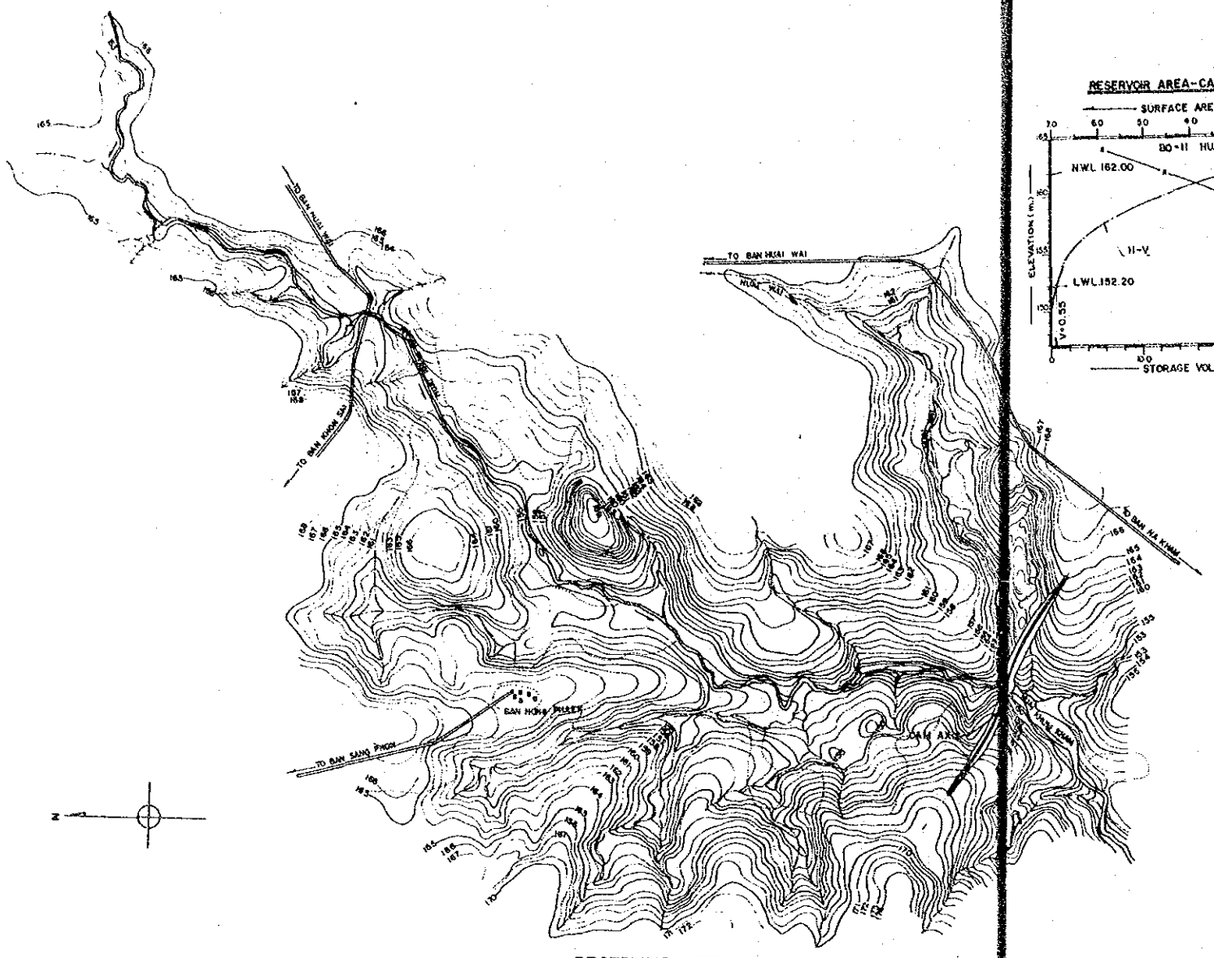
SCALE 1:200
0 10.0 20.0m

SCALE 1:1,000
0 50 100m

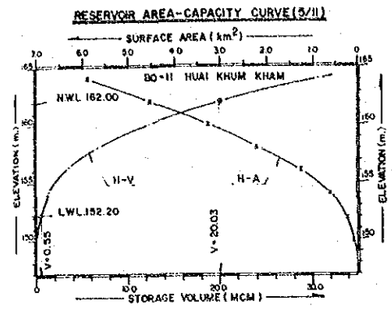
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

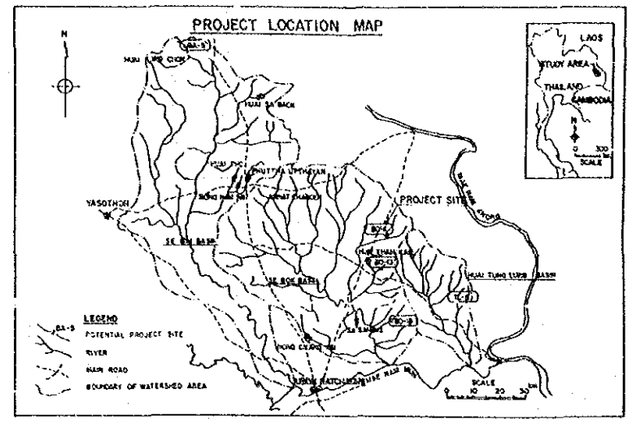
LAM SE PROJECT
RESERVOIR PLAN (3/3)
SPILLWAY AND OUTLET

NO. F-28 | JAPAN INTERNATIONAL COOPERATION AGENCY



RESERVOIR AREA S = 1: 10,000



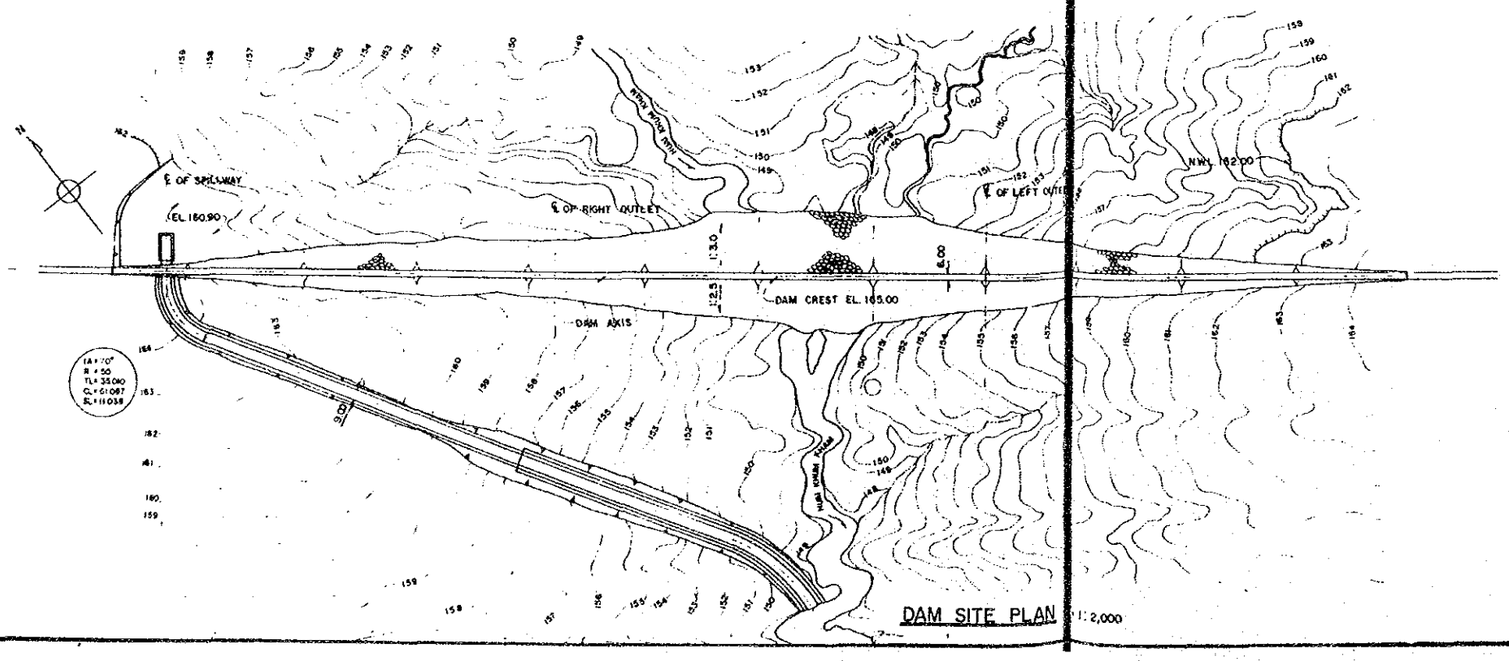


MAJOR FEATURES OF HUAI KHUM KHAM RESERVOIR

ITEM	DESCRIPTION	ITEM	DESCRIPTION
(1) RESERVOIR		d) CREST LENGTH (m)	1,150
a) RIVER BASIN	SEBOK BASIN	e) EMBANKMENT (m^3)	980,000
b) RIVER NAME	HUAI KHUM KHAM	f) FOUNDATION TREATMENT	GROUTING
c) WATERSHED (km^2)	36.80	(4) SPILL-WAY	
d) TOTAL STORAGE (MCM)	20.03	a) DESIGN FLOOD (cms)	239
e) EFFECTIVE STORAGE (MCM)	19.48	b) DESIGN DISCHARGE (cms)	104
f) H.W.L. (MSL)	163.10	c) SPILLWAY TYPE	OGEE BELL TYPE
g) N.W.L. (MSL)	162.00	d) CREST LENGTH (m)	50.0
h) L.W.L. (MSL)	152.20		
(2) FOUNDATION	CRETACEOUS SANDSTONE / SHALE	(5) OUTLET	
		a) LEFT OUTLET	1
(3) DAM-BODY		- DESIGN DISCHARGE (cms)	2.29
a) DAM TYPE	EARTH FILL TYPE	- CONDUIT Φ (m)	1.20
b) DAM CREST EL (MSL)	165.00	b) RIGHT OUTLET	1
c) DAM HEIGHT (m)	20.5	- DESIGN DISCHARGE (cms)	1.87
		- CONDUIT Φ (m)	1.10

NOTE

1. ALL DIMENSIONS SHOW IN METER.



DAM SITE PLAN 1: 2,000

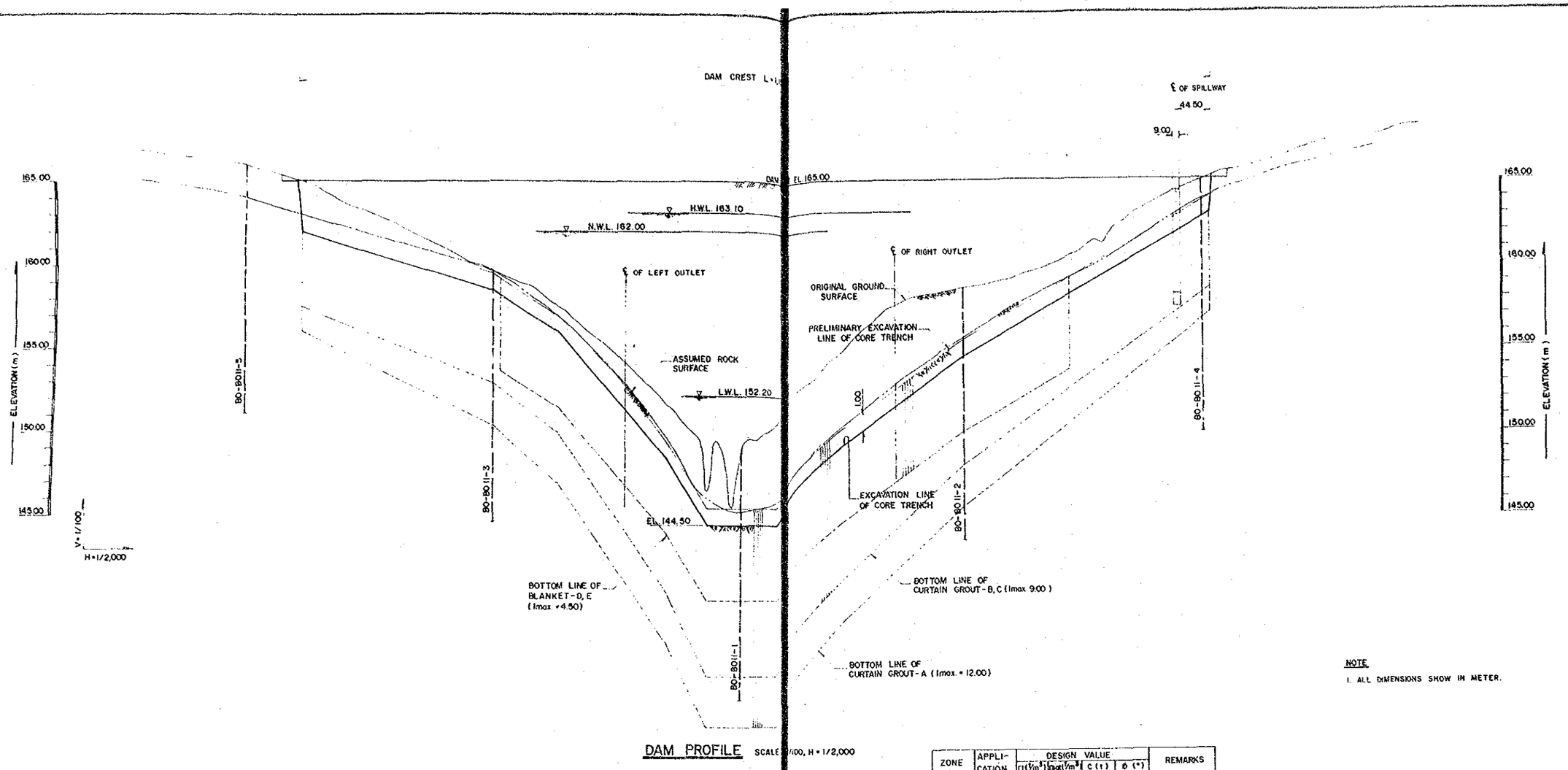
SCALE 1: 10,000
0 500 1,000m.

SCALE 1: 2,000
0 100 200m.

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

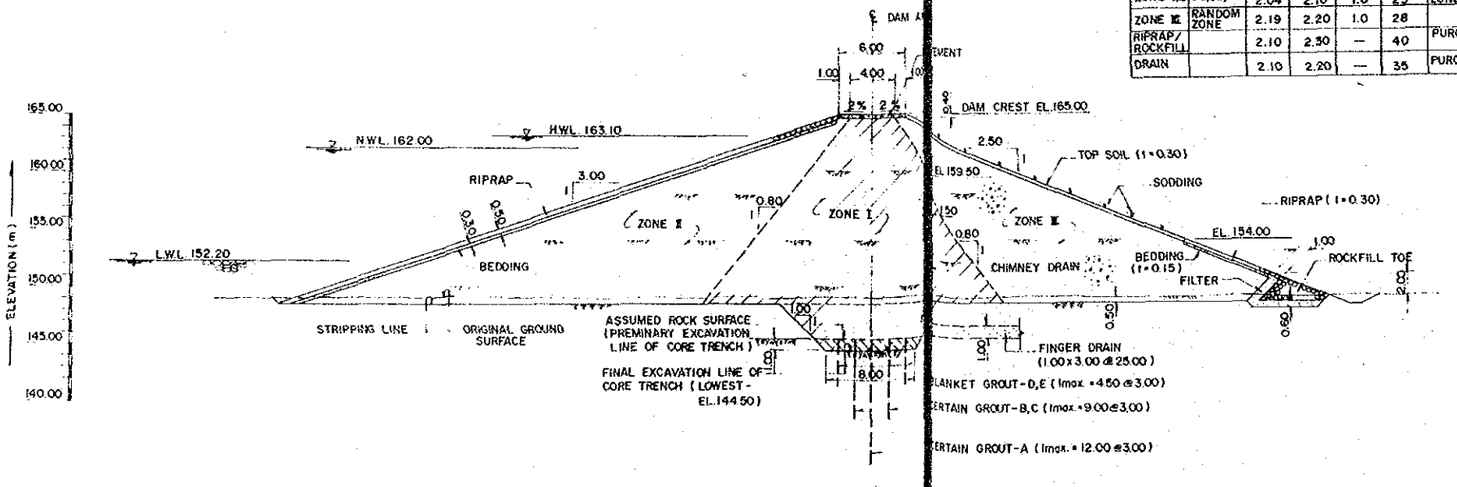
HUAI KHUM KHAM PROJECT
RESERVOIR PLAN (1/3)
RESERVOIR & DAM SITE

NO. F-29 | JAPAN INTERNATIONAL COOPERATION AGENCY



DAM PROFILE SCALE 1/100, H = 1/2,000

ZONE	APPLICATION	DESIGN VALUE γ(t/m³)	γsat(t/m³)	C (t)	φ (°)	REMARKS
ZONE I, II	GC, SC, CL	2.08 2.04	2.14 2.10	1.0 1.0	23 23	ZONE I: D≦95% ZONE II: D≦95%
ZONE III	RANDOM ZONE	2.19	2.20	1.0	28	
RIPRAP/ ROCKFILL		2.10	2.30	—	40	PURCHASING
DRAIN		2.10	2.20	—	35	PURCHASING



DAM TYPICAL SECTION SCALE 1:200

NOTE

1. ALL DIMENSIONS SHOW IN METER.

SCALE 1:100
0 5.0 10.0m

SCALE 1:200
0 10.0 20.0m.

SCALE 1:2,000
0 100 200m.

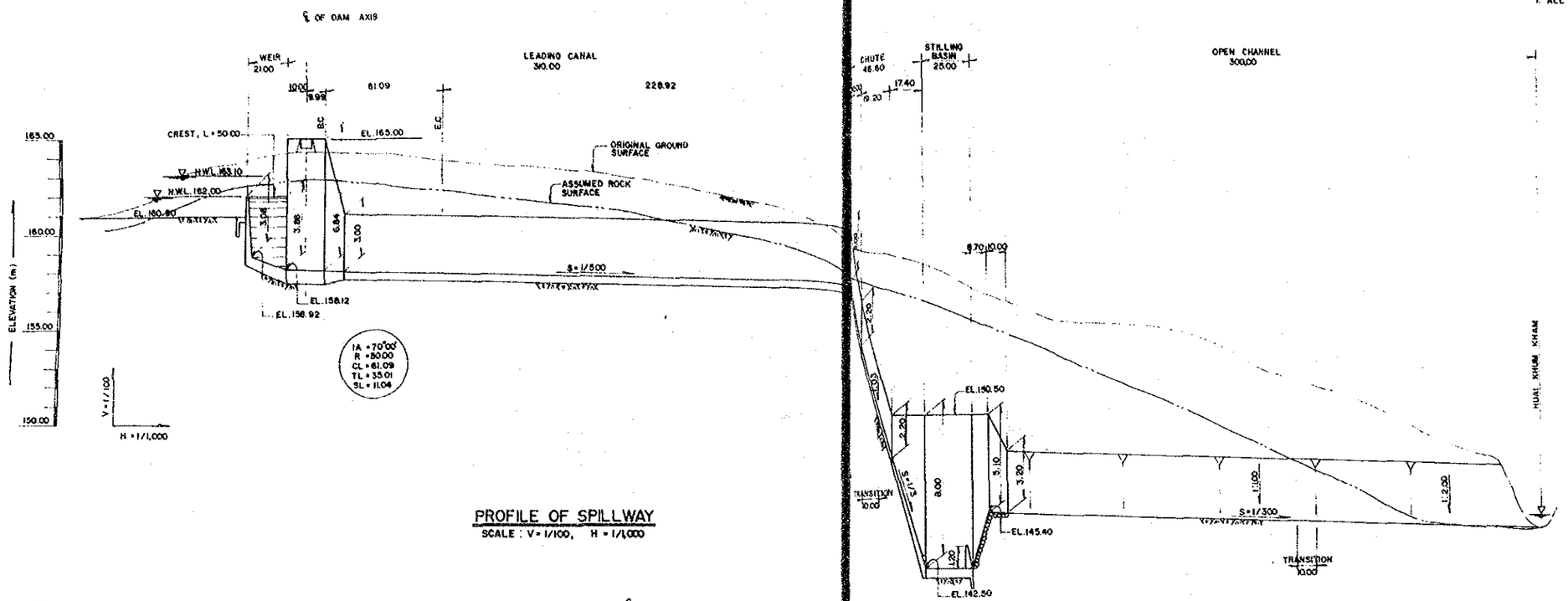
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI KHUM KHAM PROJECT
RESERVOIR PLAN (2/3)
DAM PROFILE & SECTION

NO. F-30 JAPAN INTERNATIONAL COOPERATION AGENCY

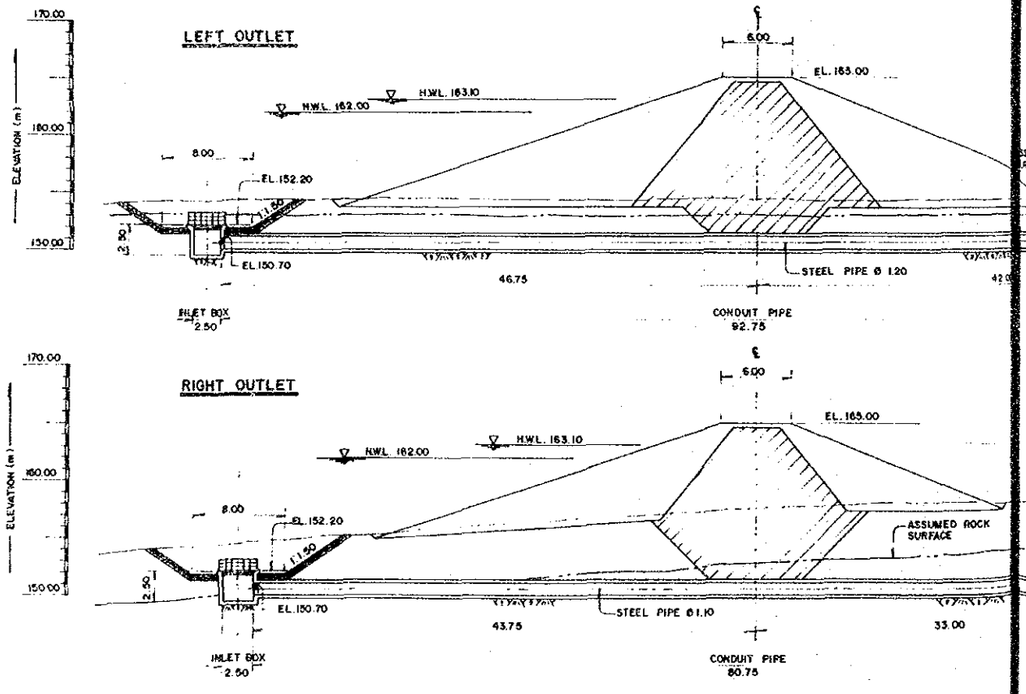
NOTE

1. ALL DIMENSIONS SHOW IN METER



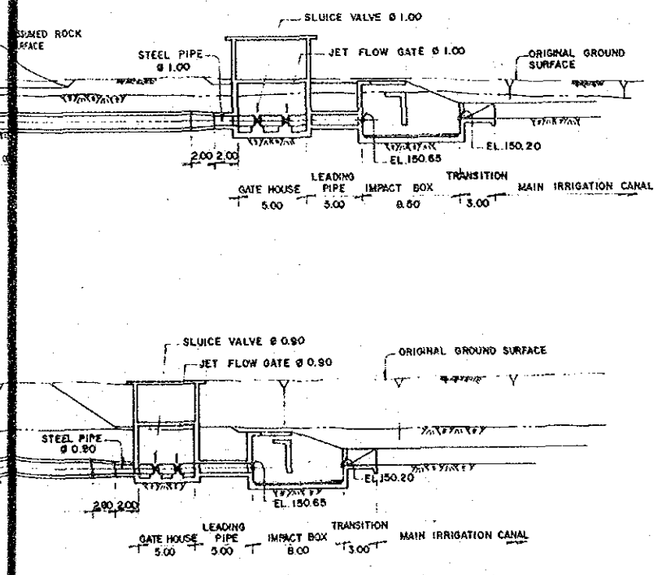
PROFILE OF SPILLWAY

SCALE : V = 1/100, H = 1/1,000



PROFILE OF OUTLET

SCALE 1:200



SCALE 1:100

0 5.0 10.0 m.

SCALE 1:200

0 10.0 20.0 m.

SCALE 1:1,000

0 50 100 m.

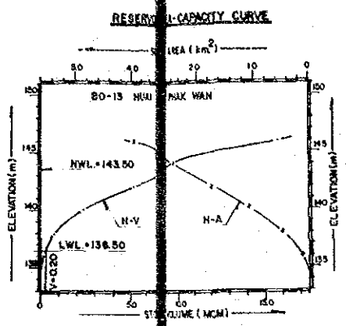
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

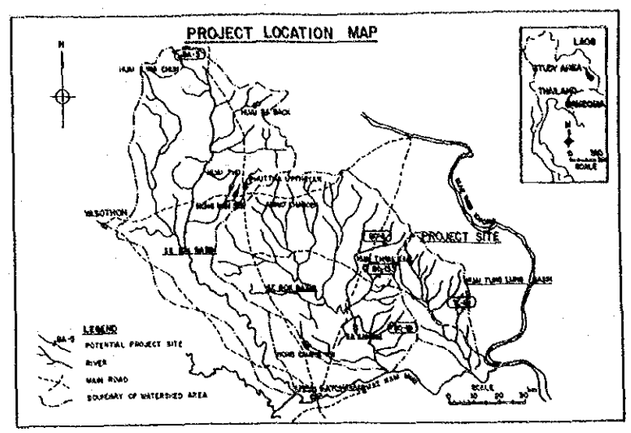
HUAI KHUM KHAM PROJECT
RESERVOIR PLAN (3/3)
SPILLWAY AND OUTLET

NO. F-31

JAPAN INTERNATIONAL COOPERATION AGENCY

RESERVOIR AREA S = 1 : 10,000



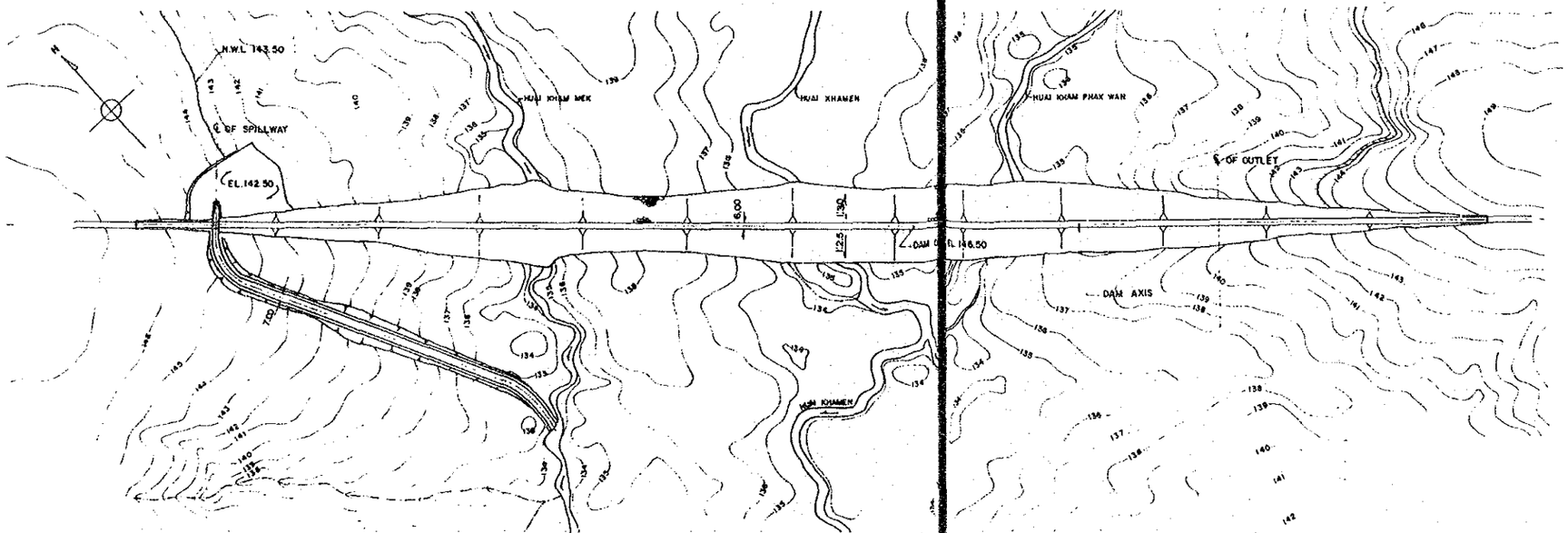


MAJOR FEATURES OF HUAI KHAM PHAK WAN RESERVOIR

ITEM	DESCRIPTION	ITEM	DESCRIPTION
(1) RESERVOIR		d) CREST LENGTH (m)	1,320
a) RIVER BASIN	SEBOK BASIN	e) EMBANKMENT (m^3)	400,000
b) RIVER NAME	HUAI NA KHAI	f) FOUNDATION TREATMENT	GROUTING
c) WATERSHED (km^2)	13.5	(4) SPILLWAY	
d) TOTAL STORAGE (MCM)	8.39	a) DESIGN FLOOD(cms)	137
e) EFFECTIVE STORAGE(MCM)	8.19	b) DESIGN DISCHARGE(cms)	58
f) H.W.L. (MSL)	144.5	c) SPILLWAY TYPE	DUCK BILL TYPE
g) N.W.L. (MSL)	143.5	d) CREST LENGTH (m)	30
h) L.W.L. (MSL)	136.5	(5) OUTLET	
(2) FOUNDATION	CRETACEOUS SANDSTONE SHALE	a) LEFT OUTLET	1
(3) DAM-BODY		- DESIGN DISCHARGE(cms)	1.53
a) DAM TYPE	EARTH FILL TYPE	- CONDUIT Φ (m)	1.10
b) DAM CREST EL (MSL)	148.5	b) RIGHT OUTLET	NONE
c) DAM HEIGHT (m)	14.5	- DESIGN DISCHARGE(cms)	—
		- CONDUIT Φ (m)	—

NOTE

1. ALL DIMENSIONS SHOW IN METER.



DAM SITE PLAN
S = 1 : 2,000

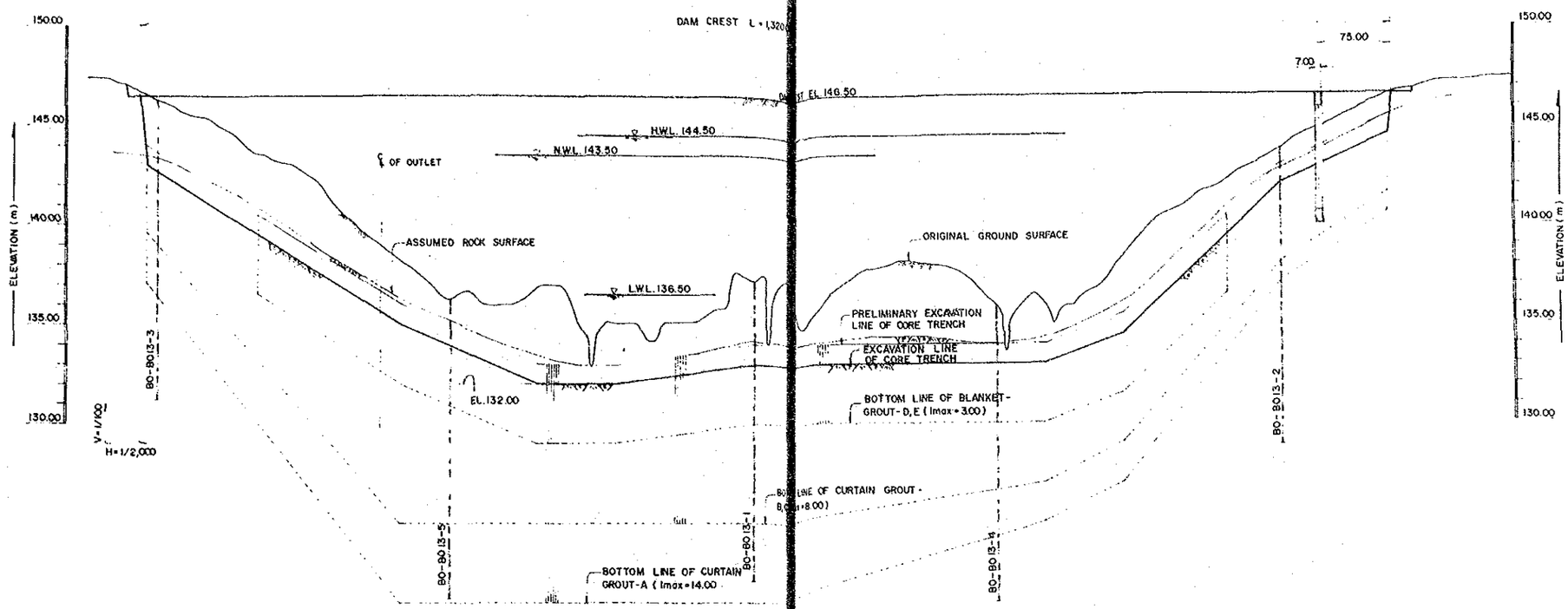
SCALE 1:10,000
0 500 1,000m

SCALE 1:2,000
0 100 200m.

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI KHAM PHAK WAN PROJECT
RESERVOIR PLAN (1/3)
RESERVOIR & DAM SITE

NO. F-32 | JAPAN INTERNATIONAL COOPERATION AGENCY

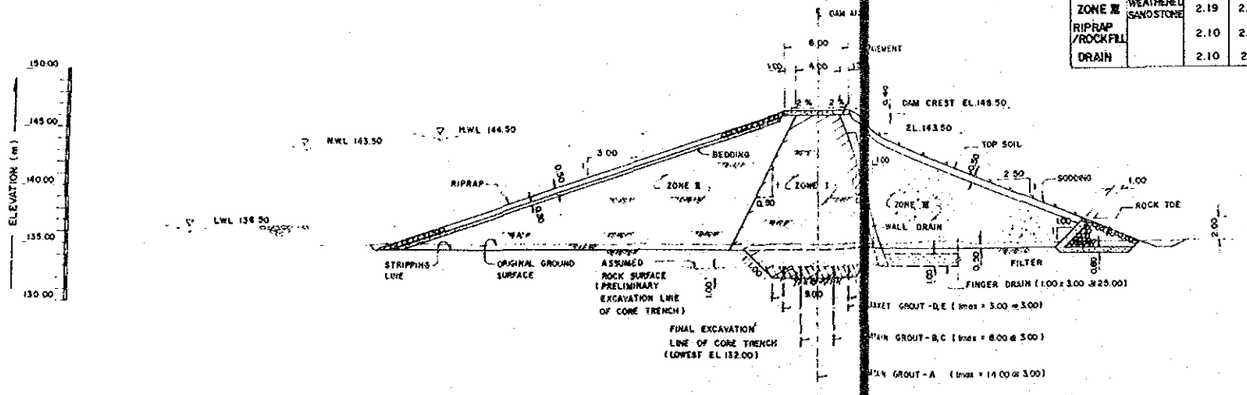


DAM PROFILE SCALE V=1/100, H=

NOTE

1. ALL DIMENSIONS SHOW IN METER.

ZONE	APPLI-CATION	DESIGN VALUE				REMARKS
		γ_d (t/m³)	γ_{sat} (t/m³)	C (t)	ϕ (°)	
ZONE I	GC, SC, CL	2.07	2.13	1.0	21	D≧98%
ZONE II	〃	2.03	2.09	1.0	21	D≧95%
ZONE III	WEATHERED SANDSTONE	2.19	2.20	1.0	28	
RIPRAP /ROCKFILL		2.10	2.30	—	40	PURCHASING
DRAIN		2.10	2.20	—	35	PURCHASING



DAM TYPICAL SECTION
SCALE 1:2

SCALE 1:100
0 5.0 10.0m

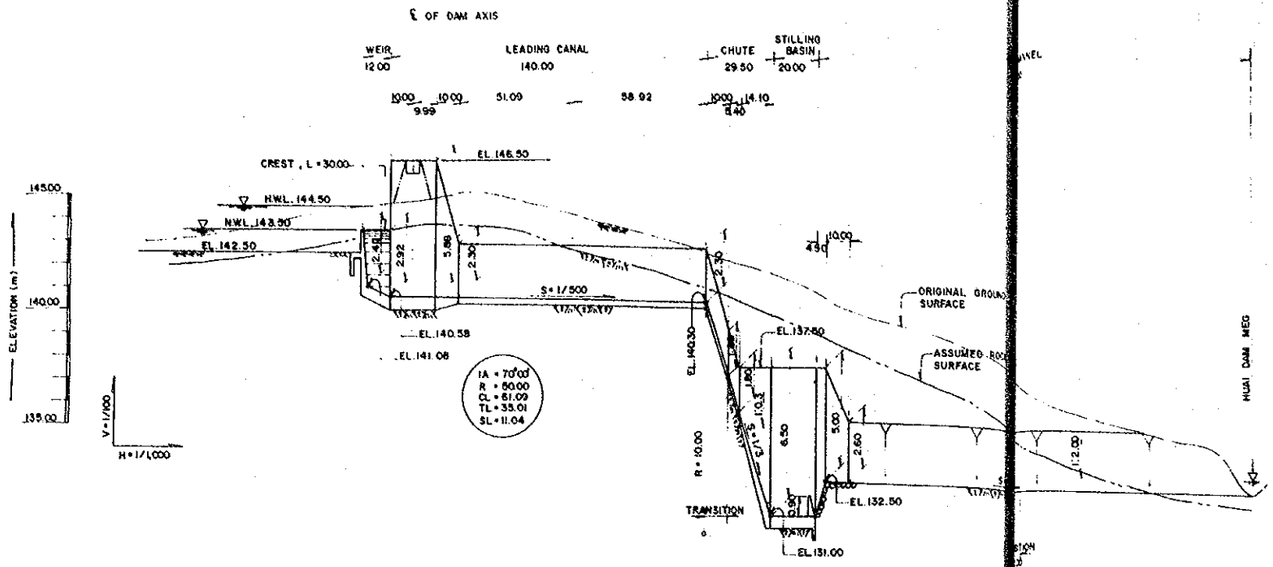
SCALE 1:200
0 10.0 20.0m

SCALE 1:2,000
0 100 200m

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

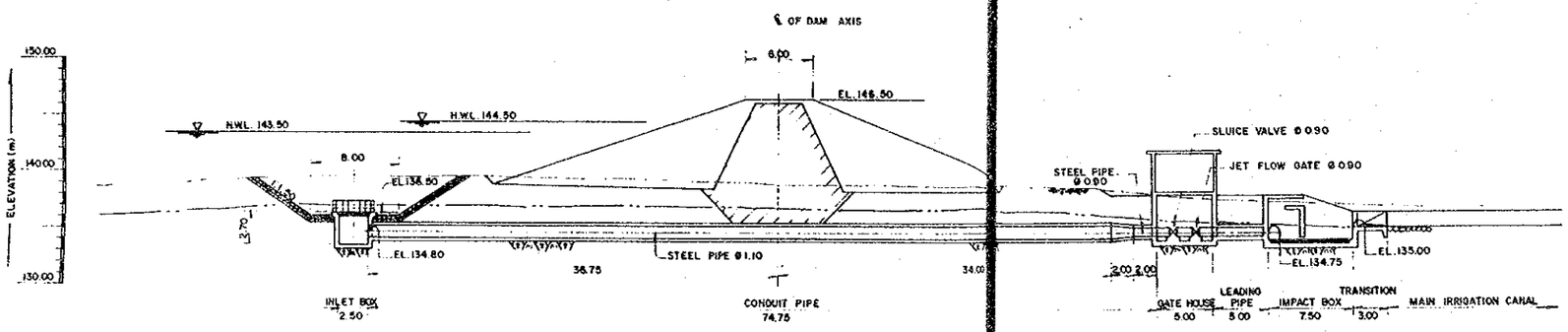
HUAI KHAM PHAK WAN PROJECT
RESERVOIR PLAN (2/3)
DAM PROFILE & SECTION

NO. F-33 | JAPAN INTERNATIONAL COOPERATION AGENCY



PROFILE OF SPILLWAY

SCALE : V = 1/100, H = 1/1,000



PROFILE OF OUTLET

SCALE : 1:200

NOTE

1. ALL DIMENSIONS SHOW IN METER.

SCALE 1:100
0 5.0 10.0 m

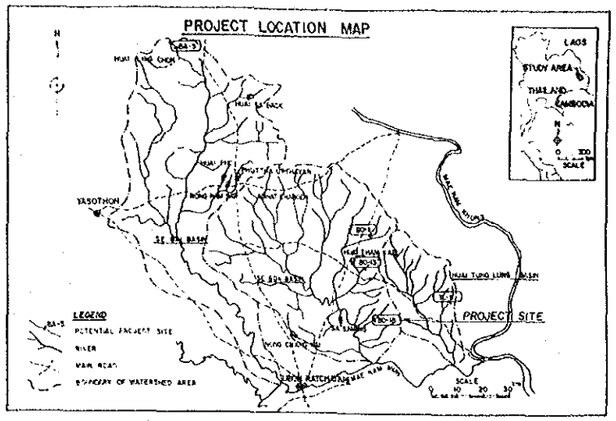
SCALE 1:200
0 10.0 20.0 m.

SCALE 1:1,000
0 50 100 m.

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI KHAM PHAK WAN PROJECT
RESERVOIR PLAN (3/3)
SPILLWAY AND OUTLET

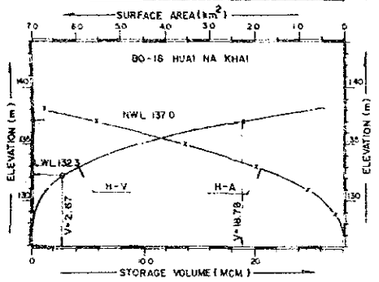
NO. F-34 | JAPAN INTERNATIONAL COOPERATION AGENCY

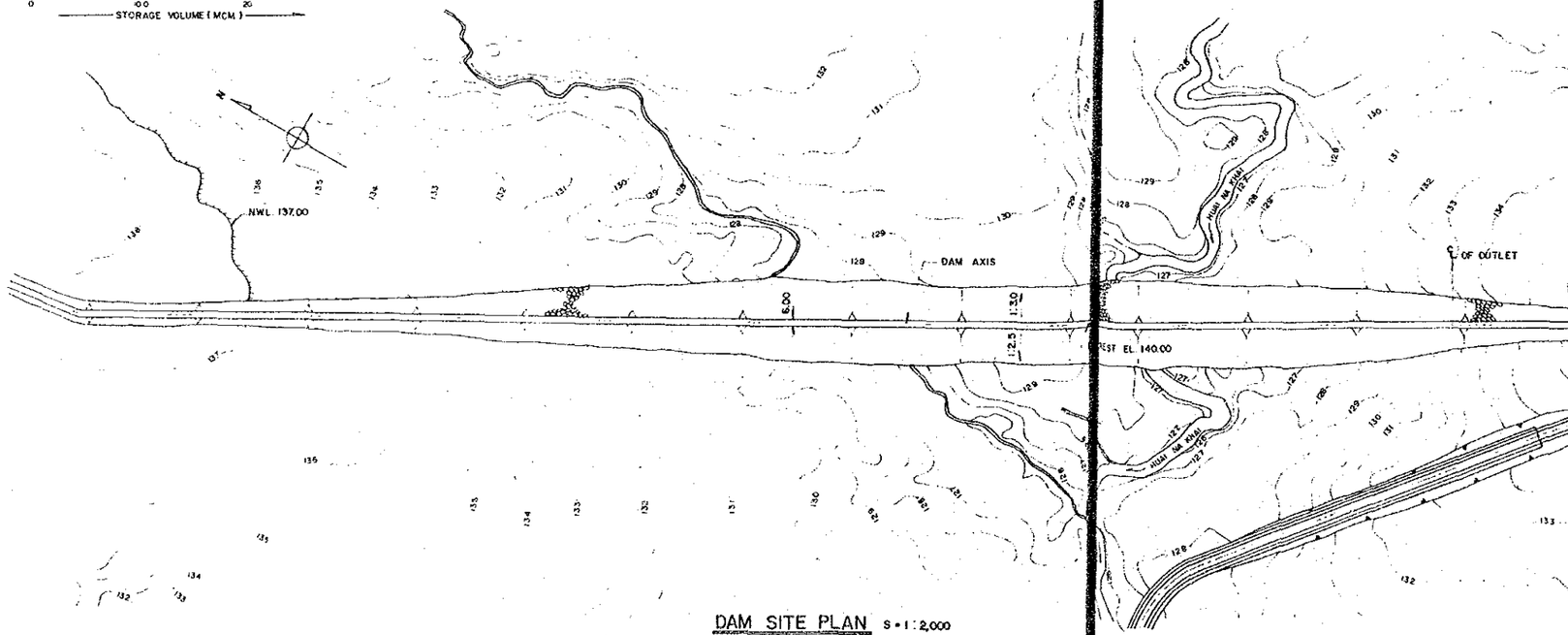


MAJOR FEATURES OF HUAI NA KHAI RESERVOIR

ITEM		DESCRIPTION	ITEM	DESCRIPTION
(1) RESERVOIR			d) CREST LENGTH (m)	2,750
a) RIVER BASIN		SEBOK BASIN	e) EMBANKMENT (m^3)	600,000
b) RIVER NAME		HUAI NA KHAI	f) FOUNDATION TREATMENT	GROUTING
c) WATERSHED (km^2)		31.3	(4) SPILL-WAY	
d) TOTAL STORAGE (MCM)		18.78	a) DESIGN FLOOD (cms)	316
e) EFFECTIVE STORAGE (MCM)		16.11	b) DESIGN DISCHARGE (cms)	78
f) H.W.L.	(MSL)	137.9	c) SPILLWAY TYPE	DUCK BILL TYPE
g) N.W.L.	(MSL)	137.0	d) CREST LENGTH (m)	50.0
h) L.W.L.	(MSL)	132.3		
(2) FOUNDATION		CRETACEOUS SANDSTONE / SHALE	(5) OUTLET	
			a) LEFT OUTLET	1
(3) DAM-BODY			- DESIGN DISCHARGE (cms)	3.36
a) DAM TYPE		EARTH FILL TYPE	- CONDUIT Φ (m)	1.50
b) DAM CREST EL (MSL)		140.0	b) RIGHT OUTLET	NONE
c) DAM HEIGHT	(m)	17.5	- DESIGN DISCHARGE (cms)	–
d) CREST LENGTH (m)		2,750	- CONDUIT Φ (m)	–
e) EMBANKMENT (m^3)		600,000		
f) FOUNDATION TREATMENT		GROUTING		

RESERVOIR AREA - CAPACITY CURVE (8/11)





NOTE

1. ALL DIMENSIONS SHOW IN METER.

SCALE 1:10,000
0 500 1,000m

SCALE 1:2,000
0 100 200m

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI NA KHAI PROJECT
RESERVOIR PLAN (1/3)
RESERVOIR & DAM SITE

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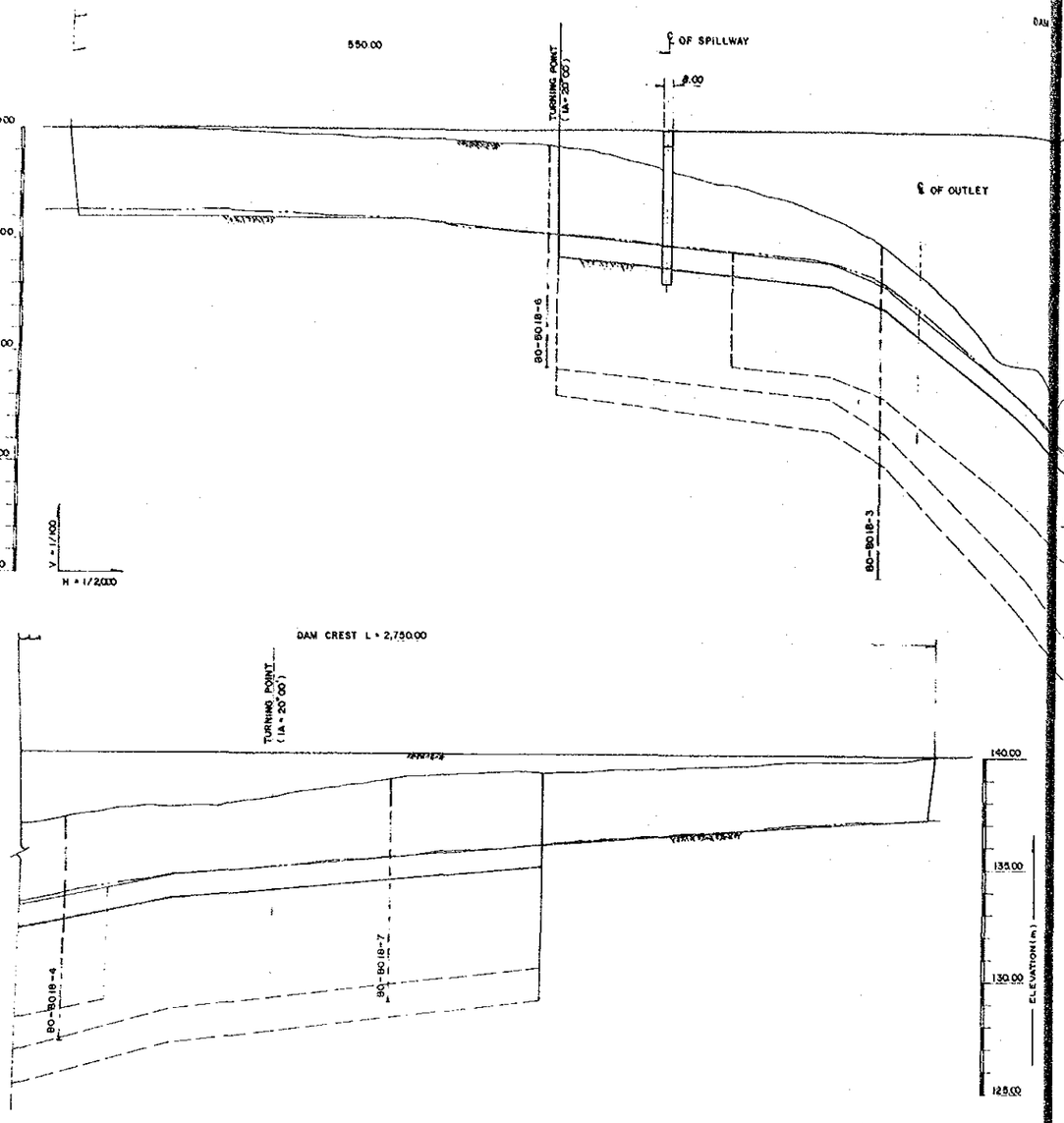
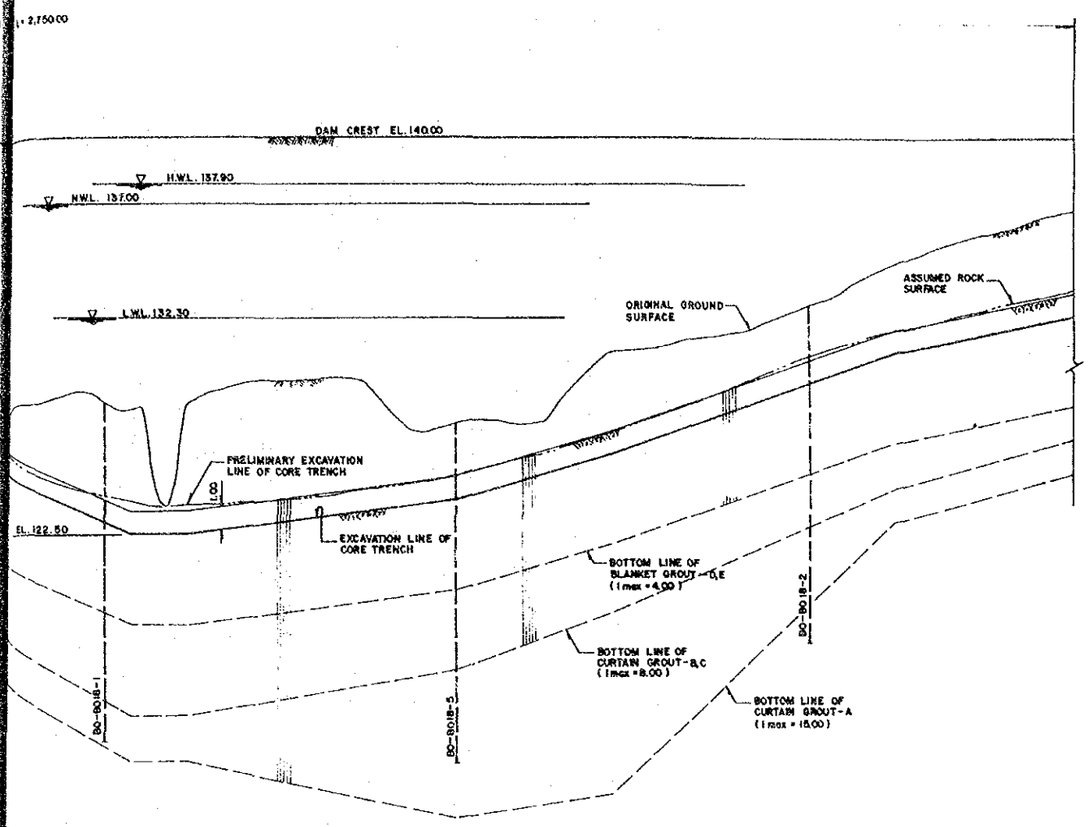
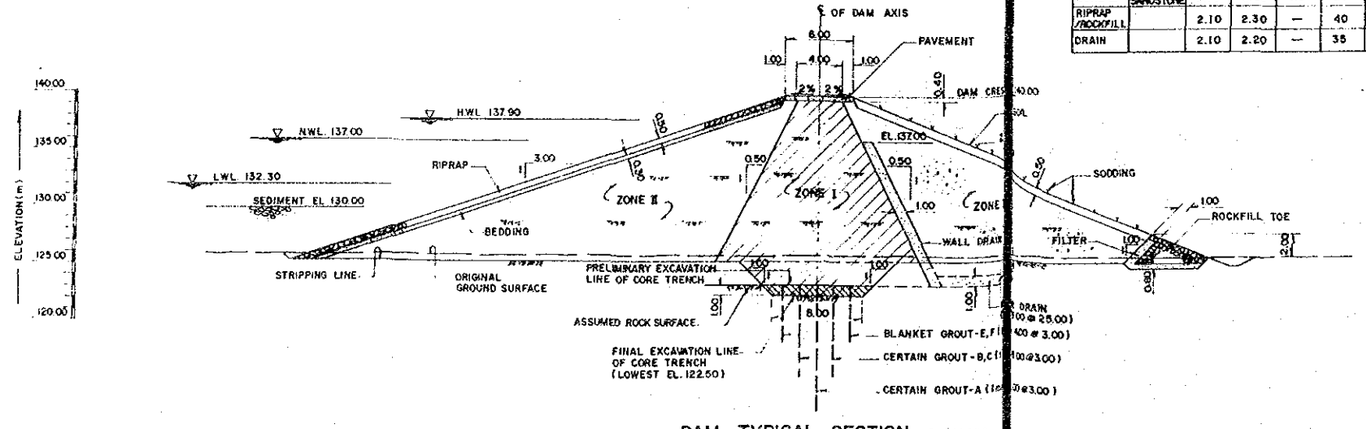




ZONE	APPLI-CATION	DESIGN VALUE γt (t/m³)	γsat (t/m³)	C (t)	φ (°)	REMARKS
ZONE I	GC,SC,CL	2.07	2.13	1.0	21	D≧ 98 %
ZONE II	〃	2.03	2.09	1.0	21	D≧ 95 %
ZONE III	WEATHERED SANDSTONE	2.19	2.20	1.0	28	
RIPRAP /ROCKFILL		2.10	2.30	—	40	PURCHASING
DRAIN		2.10	2.20	—	35	PURCHASING



DAM TYPICAL SECTION S = 1:200

SCALE 1:100
0 5.0 10.0 m.

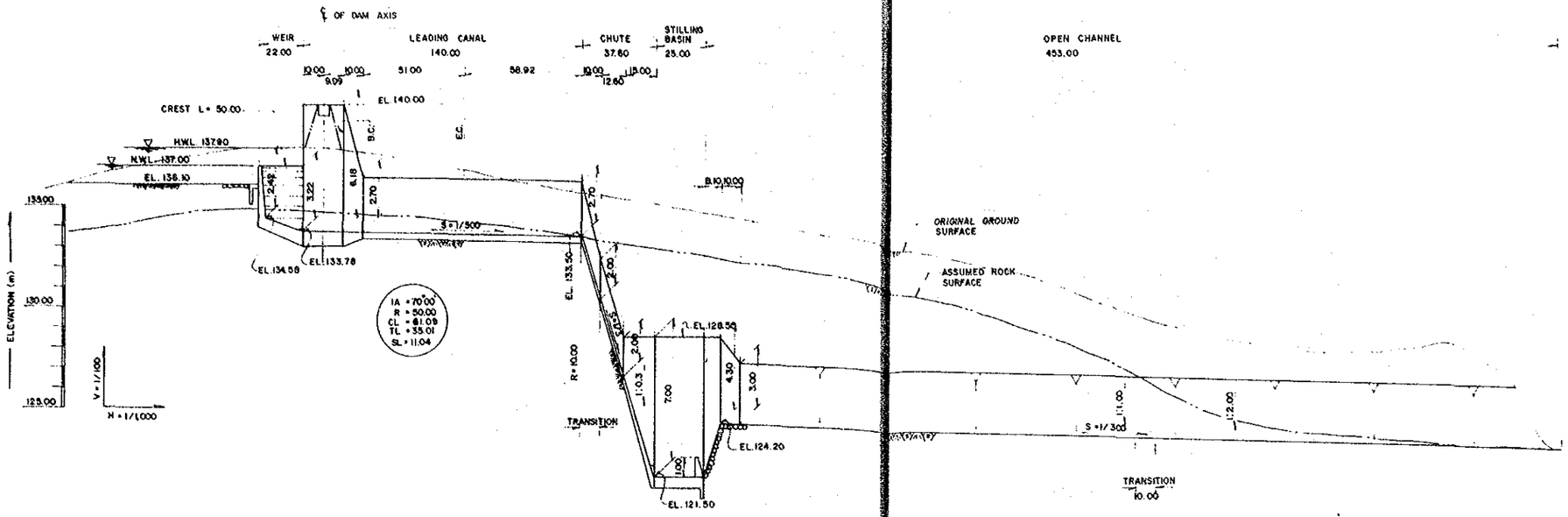
SCALE 1:200
0 10.0 20.0 m

SCALE 1:2,000
0 100 200 m.

THE FEASIBILITY STUDY OF
SEBAI-SEGOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI NA KHAI PROJECT
RESERVOIR PLAN (2/3)
DAM PROFILE & SECTION

NO. F-36 JAPAN INTERNATIONAL COOPERATION AGENCY

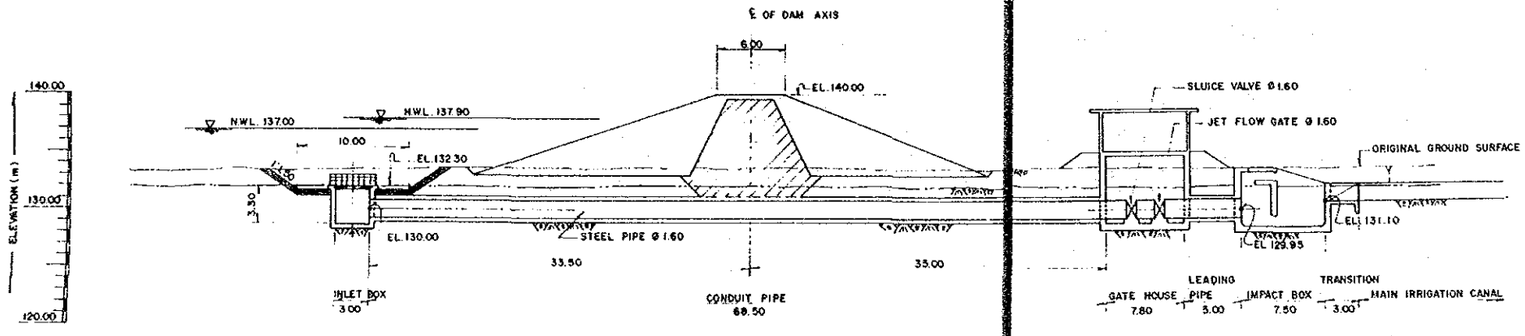


PROFILE OF SPILLWAY

SCALE : V = 1/100, H = 1/1000

NOTE

1. ALL DIMENSIONS SHOW IN METER.



PROFILE OF OUTLET

SCALE 1:200

SCALE 1:100
0 5.0 10.0 m.

SCALE 1:200
0 10.0 20.0 m

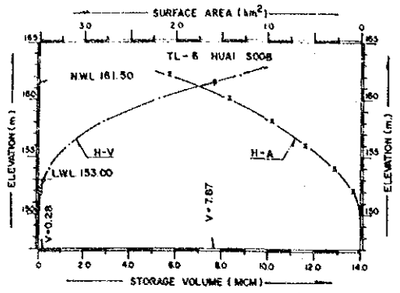
SCALE 1:1,000
0 50 100 m.

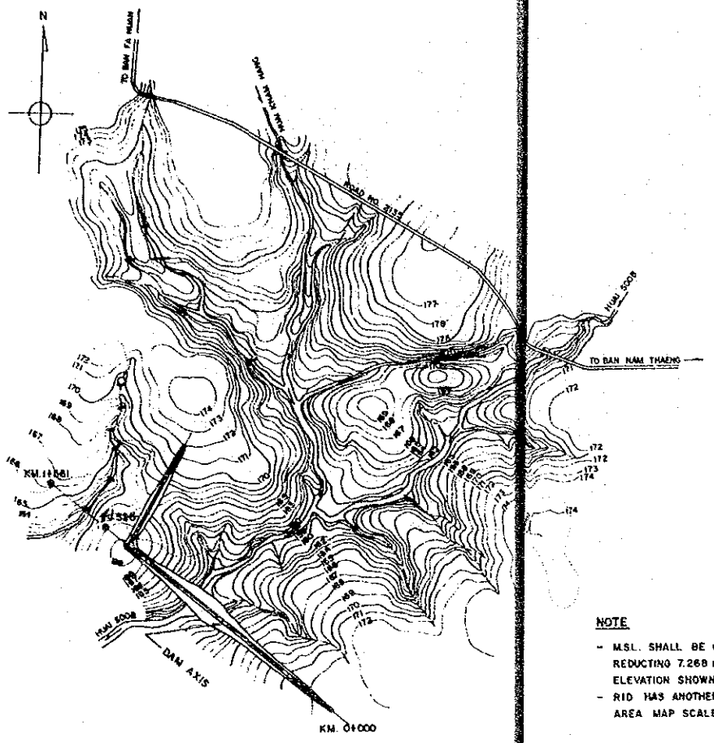
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI NA KHAI PROJECT
RESERVOIR PLAN (3/3)
SPILLWAY AND OUTLET

NO. F-37 | JAPAN INTERNATIONAL COOPERATION AGENCY

RESERVOIR AREA - CAPACITY CURVE

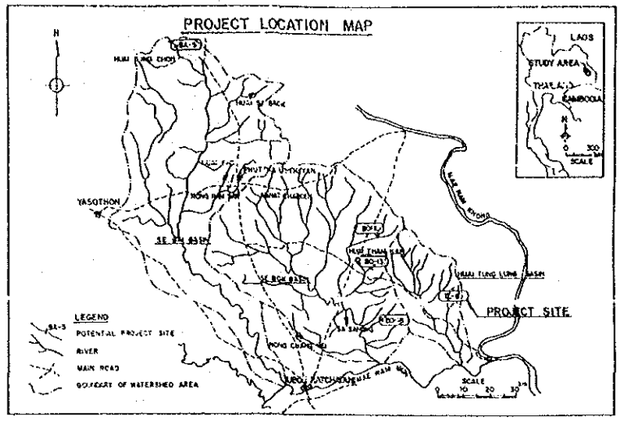




NOTE

- M.S.L. SHALL BE CALCURATED REDUCTING 7.268 m. FROM THE ELEVATION SHOWN IN THE MAP.
- RID HAS ANOTHER RESERVOIR AREA MAP SCALE 1:4,000.

PROJECT LOCATION MAP

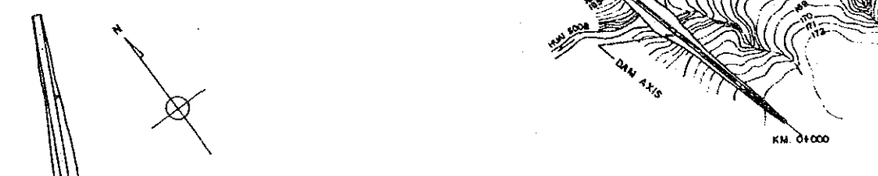


MAJOR FEATURES OF HUAI SOOB RESERVOIR

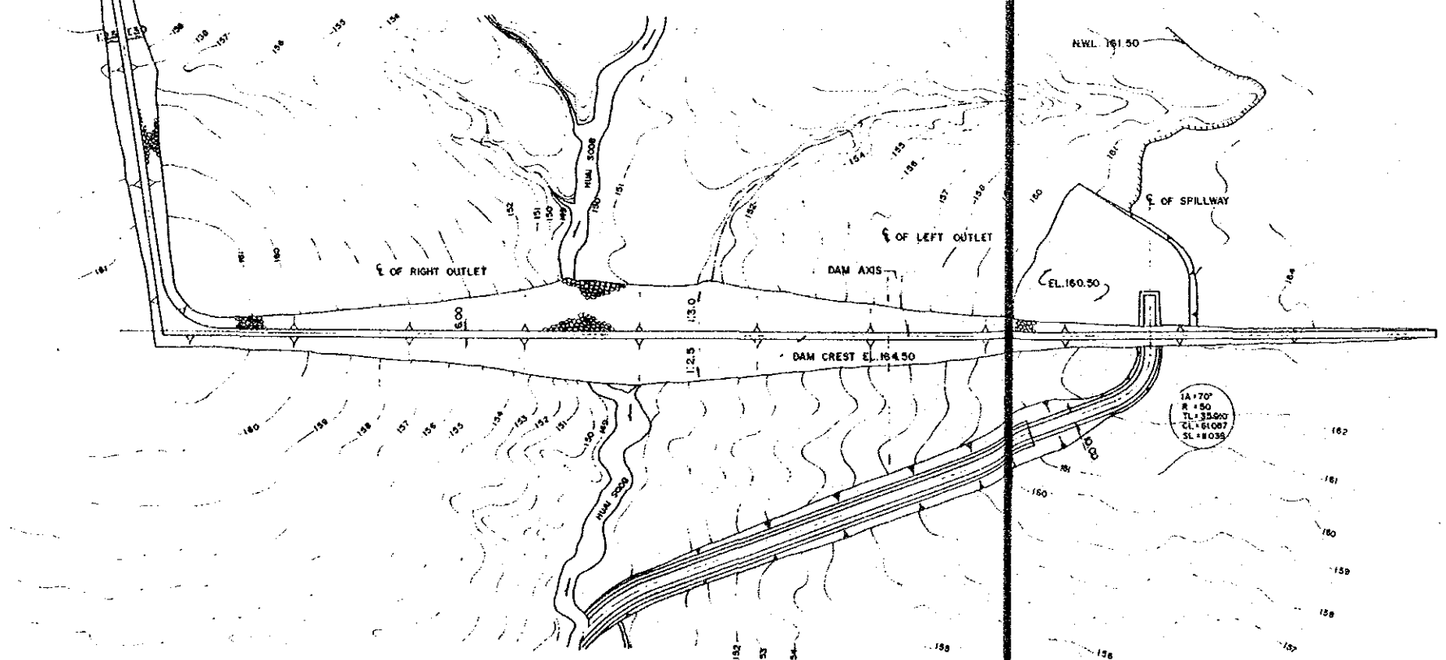
ITEM	DESCRIPTION	ITEM	DESCRIPTION
(1) RESERVOIR		d) CREST LENGTH (m)	1,630
a) RIVER BASIN	HUAI TUNG LUNG	e) EMBANKMENT (m^3)	350,000
b) RIVER NAME	HUAI SOOB	f) FOUNDATION TREATMENT	GROUTING
c) WATERSHED (km^2)	18.5	(4) SPILL-WAY	
d) TOTAL STORAGE (MCM)	7.87	a) DESIGN FLOOD(cms)	239
e) EFFECTIVE STORAGE(MCM)	7.59	b) DESIGN DISCHARGE(cms)	134
f) H.W.L. (MSL)	162.6	c) SPILLWAY TYPE	DUCK BILL TYPE
g) N.W.L. (MSL)	161.5	d) CREST LENGTH (m)	60.0
h) L.W.L. (MSL)	153.0		
(2) FOUNDATION	CRETACEOUS SANDSTONE / SHALE	(5) OUTLET	
		a) LEFT OUTLET	1
(3) DAM-BODY		- DESIGN DISCHARGE(cms)	0.61
a) DAM TYPE	EARTH FILL TYPE	- CONDUIT ϕ (m)	0.70
b) DAM CREST EL (MSL)	164.5	b) RIGHT OUTLET	1
c) DAM HEIGHT (m)	19.5	- DESIGN DISCHARGE(cms)	0.86
		- CONDUIT ϕ (m)	0.80

NOTE

1. ALL DIMENSIONS SHOW IN METER.



RESERVOIR AREA S = 1:10,000



DAM SITE PLAN S = 1:2,000

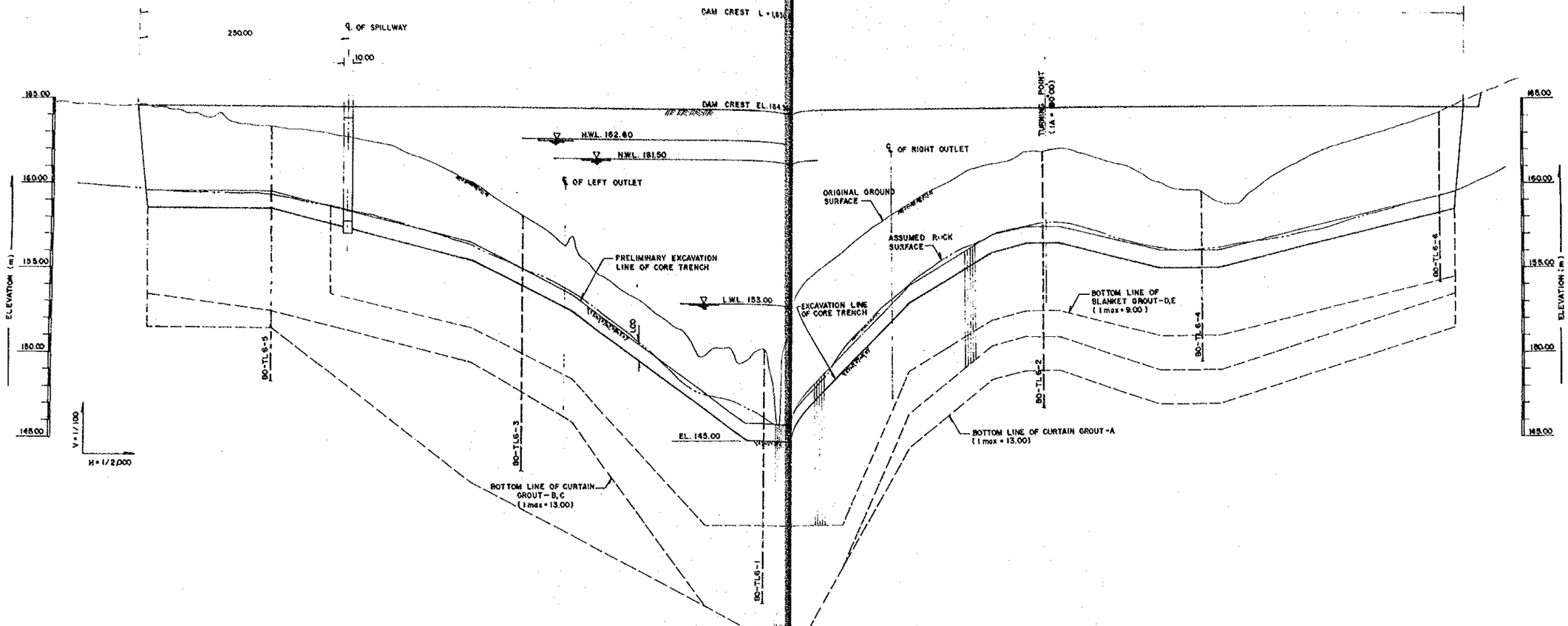
SCALE 1:10,000
0 500 1,000m

SCALE 1:2,000
0 100 200m

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

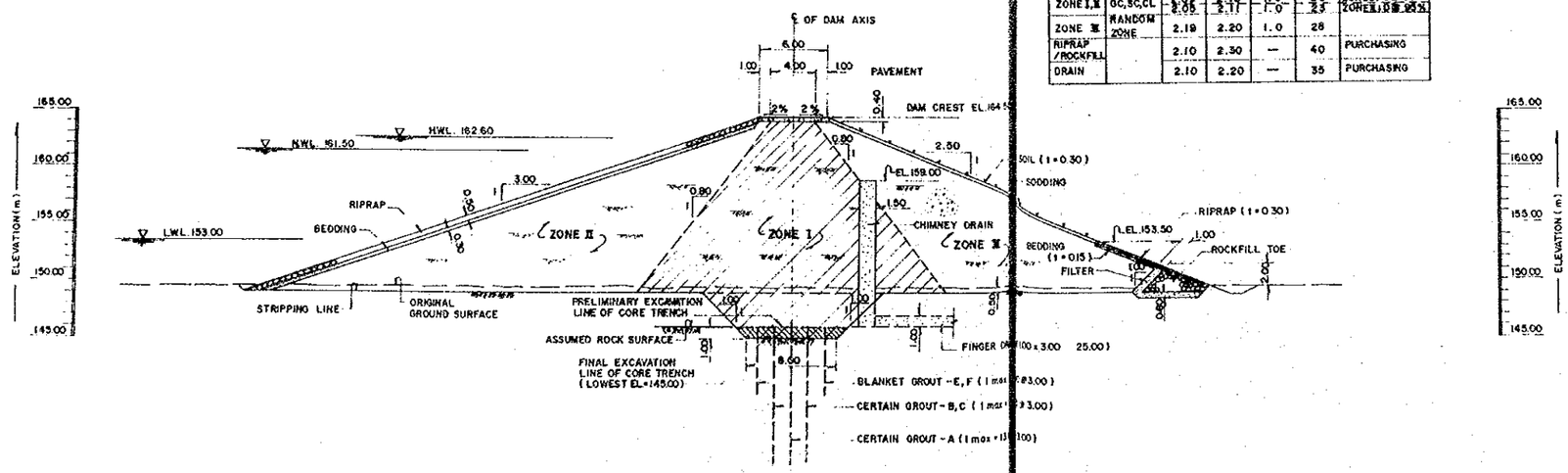
HUAI SOOB PROJECT
RESERVOIR PLAN (1/3)
RESERVOIR & DAM SITE

NO. F-38 | JAPAN INTERNATIONAL COOPERATION AGENCY



DAM PROFILE SCALE V=1/100, H=1/2,000

ZONE	APPLICATION	DESIGN VALUE γt (t/m³)	γsat (t/m³)	C (t)	Φ (°)	REMARKS
ZONE I,E	GC,SC,CL	2.05	2.15	1.0	23	ZONE I: DB 96%
		2.05	2.11	1.0	23	ZONE E: DB 95%
ZONE II	RANDOM ZONE	2.19	2.20	1.0	28	
RIPRAP /ROCKFILL		2.10	2.30	—	40	PURCHASING
DRAIN		2.10	2.20	—	35	PURCHASING



DAM TYPICAL SECTION

SCALE = 1:200

NOTE

1 ALL DIMENSIONS SHOW IN METER.

SCALE 1:100
0 5.0 10.0m

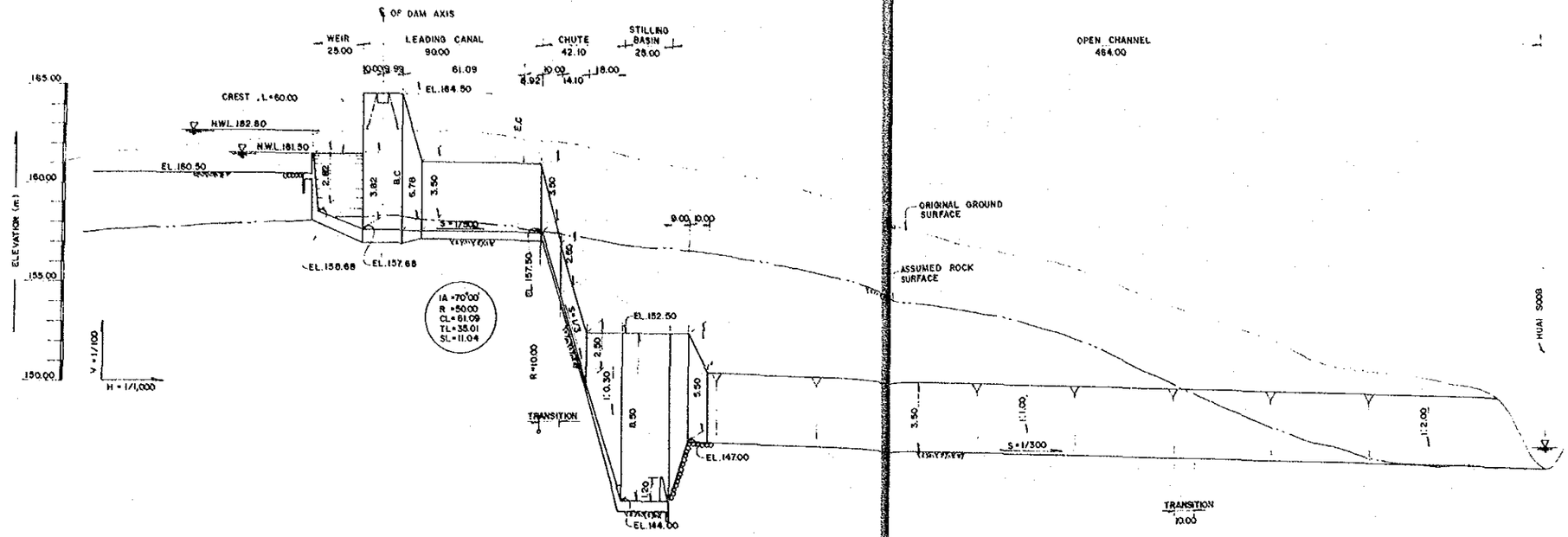
SCALE 1:200
0 10.0 20.0m

SCALE 1:2,000
0 100 200m

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

HUAI SOOB PROJECT
RESERVOIR PLAN (2/3)
DAM PROFILE & SECTION

NO. F-39 | JAPAN INTERNATIONAL COOPERATION AGENCY

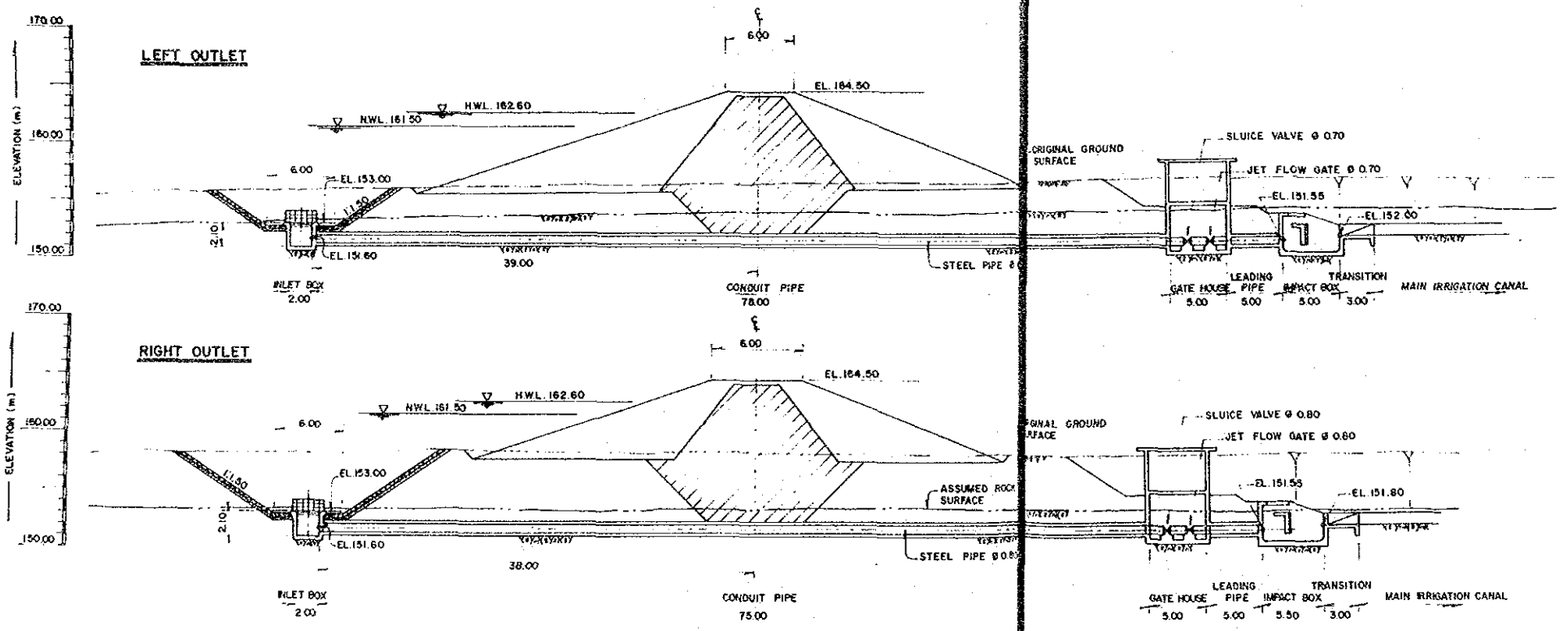


PROFLE OF SPILLWAY

SCALE : V=1/100, H=1/1,000

NOTE

1. ALL DIMENSIONS SHOW IN METER.



PROFILE OF OUTLET

SCALE : 1 : 200

SCALE 1:100
0 5.0 100 m.

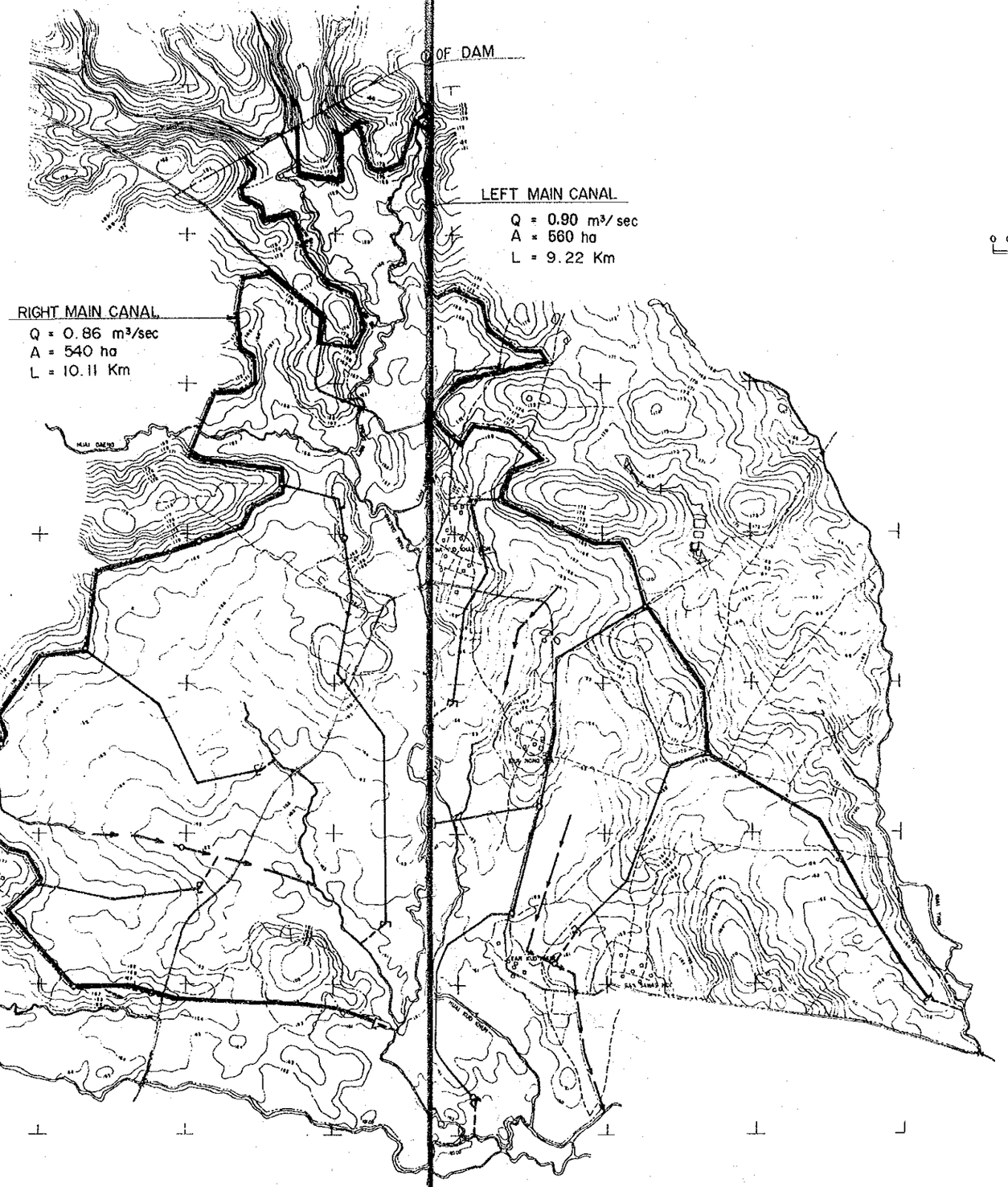
SCALE 1:200
0 10.0 200 m.

SCALE 1:1,000
0 50 100m.

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RIO)

HUAI SOOB PROJECT
RESERVOIR PLAN (3/3)
SPILLWAY AND OUTLET

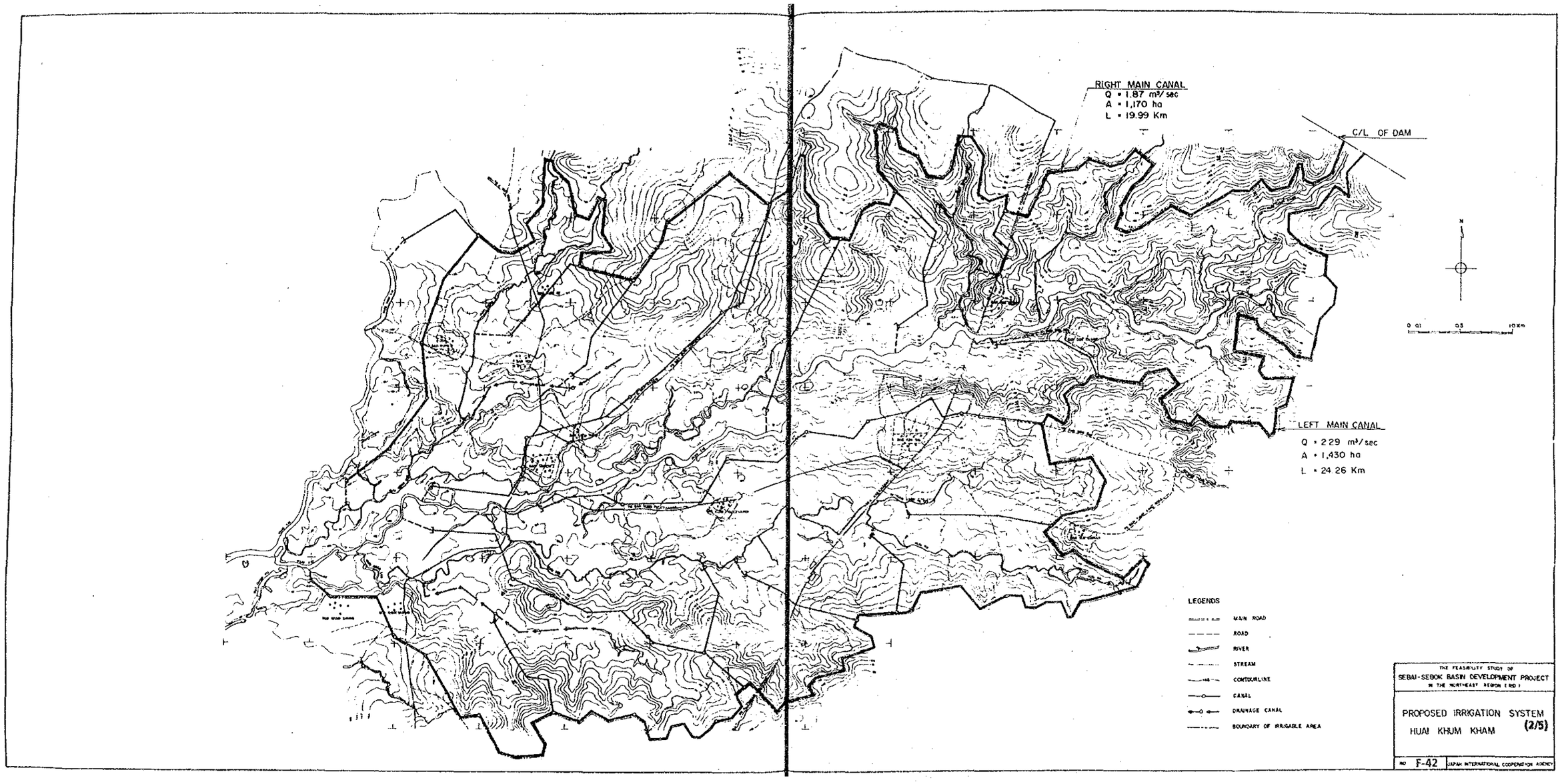
NO. F-40 | JAPAN INTERNATIONAL COOPERATION AGENCY

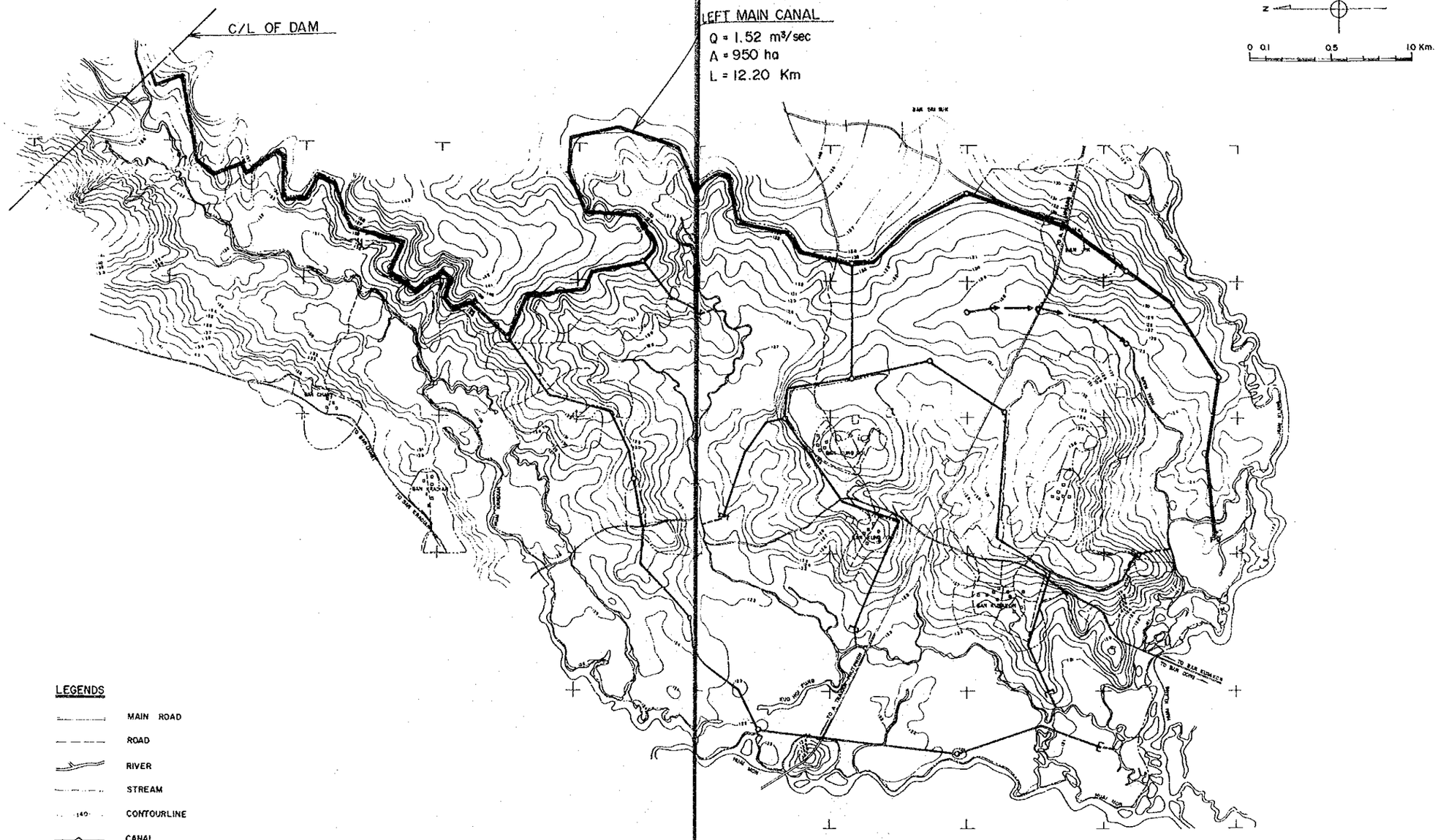


THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PROPOSED IRRIGATION SYSTEM (1/5)
LAM SE

NO. F-41 JAPAN INTERNATIONAL COOPERATION AGENCY


RIGHT MAIN CANAL
Q = 1.87 m³/sec
A = 1,170 ha
L = 19.99 Km
C/L OF DAM
LEFT MAIN CANAL
Q = 2.29 m³/sec
A = 1,430 ha
L = 24.26 Km
N
0 0.5 1.0Km
LEGENDS
MAIN ROAD
ROAD
RIVER
STREAM
CONTOURLINE
CANAL
DRAINAGE CANAL
BOUNDARY OF IRRIGABLE AREA
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (I.R.D.)
PROPOSED IRRIGATION SYSTEM
HUAI KHUM KHAM (2/5)
NO F-42
JAPAN INTERNATIONAL COOPERATION AGENCY



LEGENDS

- MAIN ROAD
- ROAD
- RIVER
- STREAM
- 140 CONTOURLINE
- CANAL
- DRAINAGE CANAL
- BOUNDARY OF IRRIGABLE AREA

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

PROPOSED IRRIGATION SYSTEM
HUAI KHAM PHAK WAN (3/5)

NO. F-43 JAPAN INTERNATIONAL COOPERATION AGENCY

LEGENDS

- MAIN ROAD
- ROAD
- RIVER
- STREAM
- CONTOURLINE (120)
- CANAL
- DRAINAGE CANAL
- BOUNDARY OF IRRIGABLE AREA

RIGHT MAIN CANAL
Q = 0.91 m³/sec
A = 570 ha
L = 6.72 Km

CONVEYANCE MAIN CANAL
Q = 3.36 m³/sec
A = 2,100 ha
L = 6.30 Km

N

0 0.1 0.5 1.0 Km.

LEFT MAIN CANAL
Q = 2.45 m³/sec
A = 1,530 ha
L = 13.75 Km

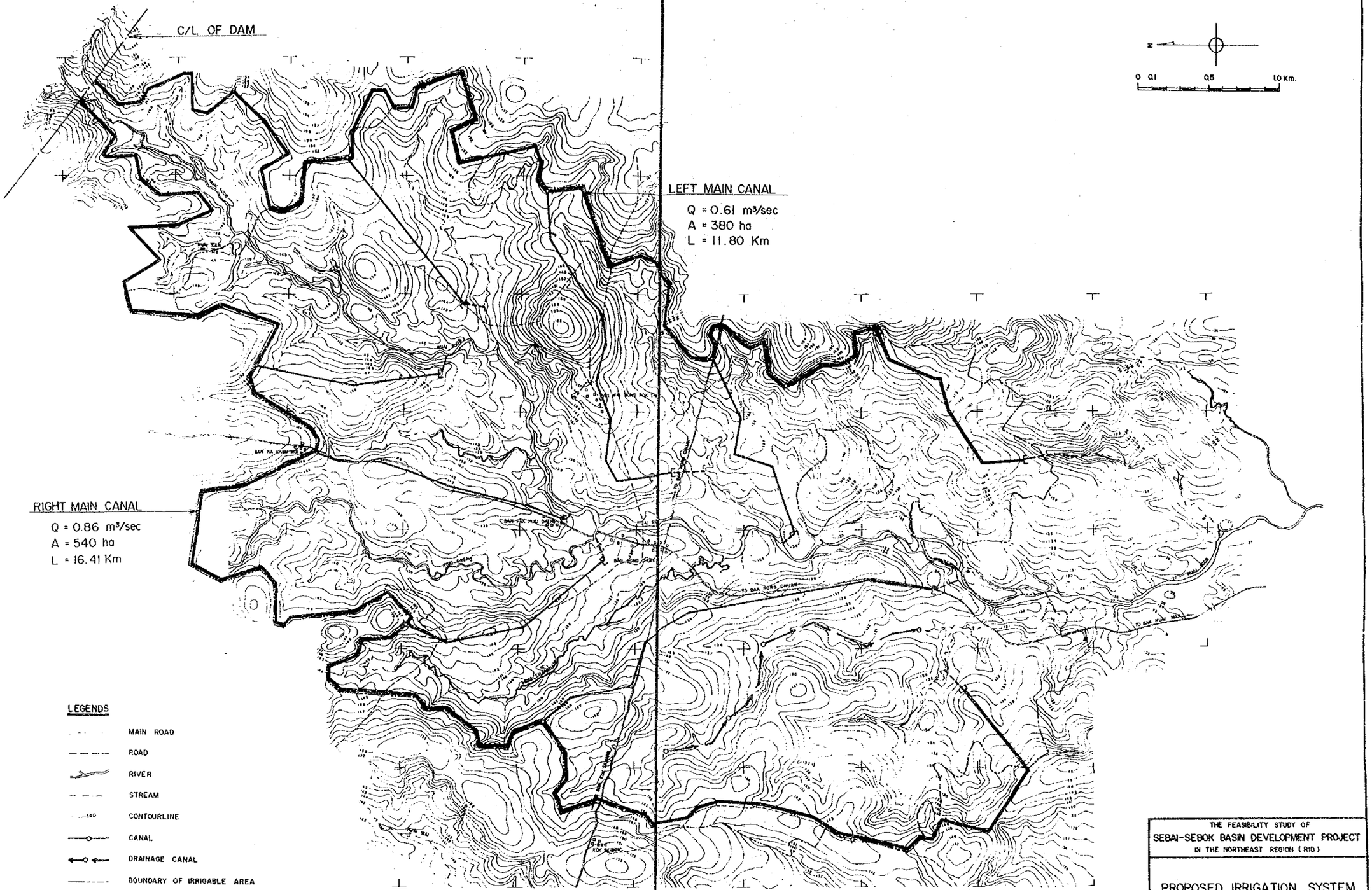
CONVEYANCE MAIN CANAL
Q = 3.36 m³/sec
A = 2,100 ha
L = 6.30 Km

C/L OF DAM

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RIO)

PROPOSED IRRIGATION SYSTEM (4/5)
HUAI NA KHAI

NO. F-44 | JAPAN INTERNATIONAL COOPERATION AGENCY

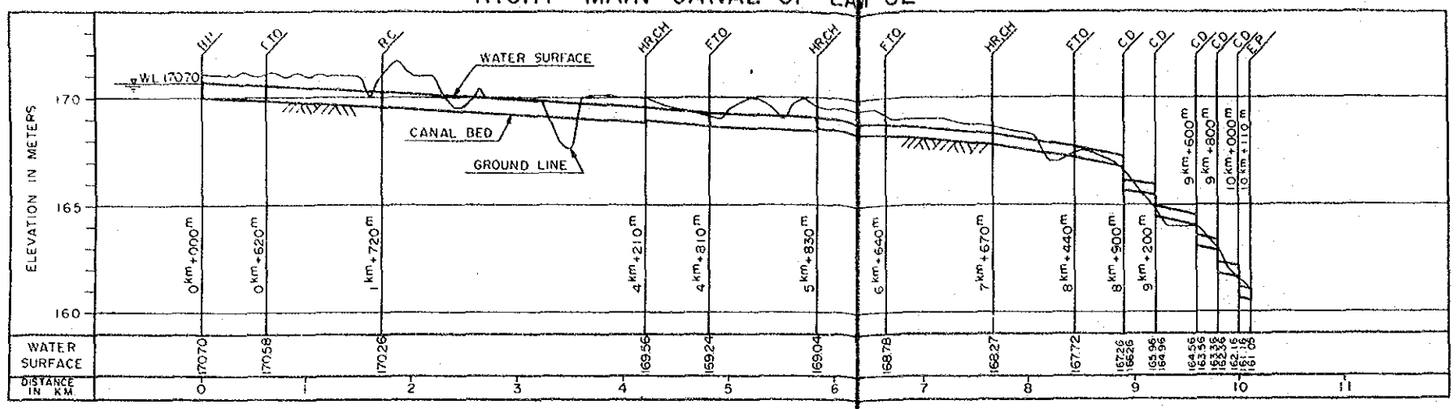


THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

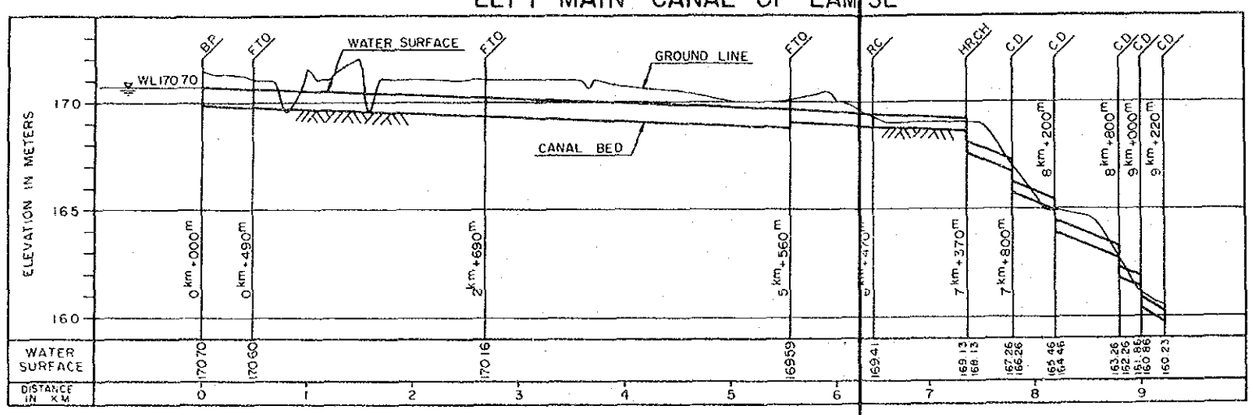
PROPOSED IRRIGATION SYSTEM (5/5)
HUAI SOOB

NO. F-45 | JAPAN INTERNATIONAL COOPERATION AGENCY

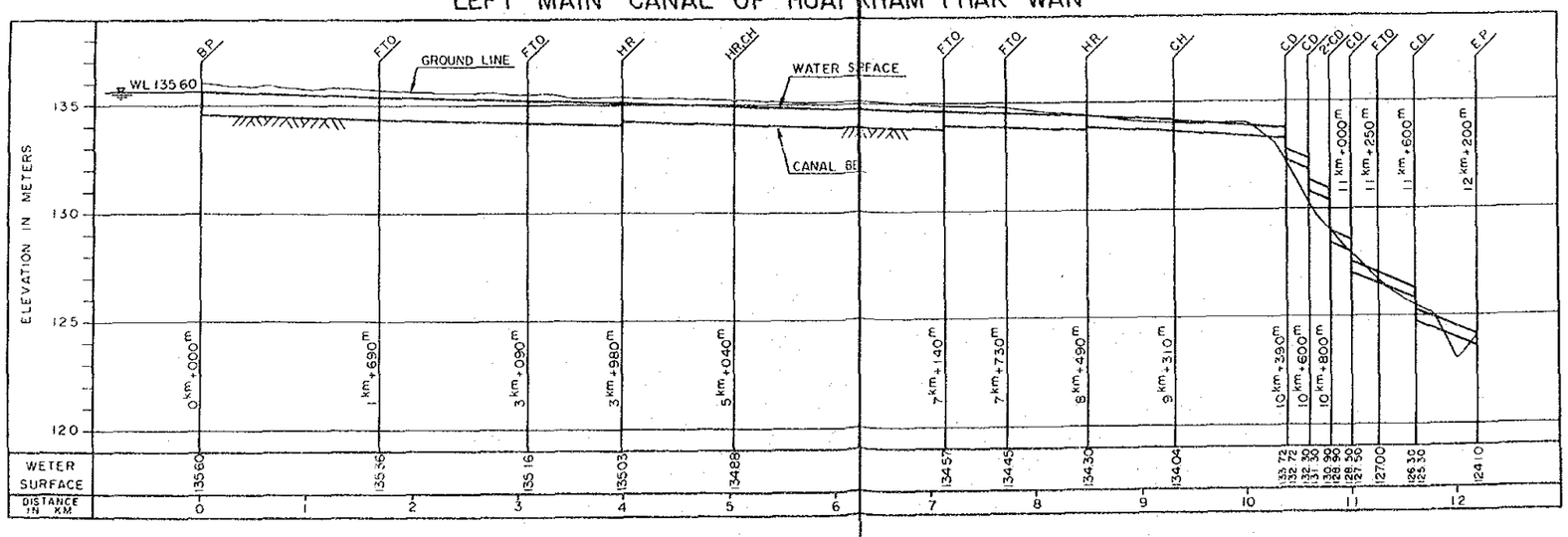
RIGHT MAIN CANAL OF LAM SE



LEFT MAIN CANAL OF LAM SE



LEFT MAIN CANAL OF HUAI KHAM PHAK WAN



LEGENDS

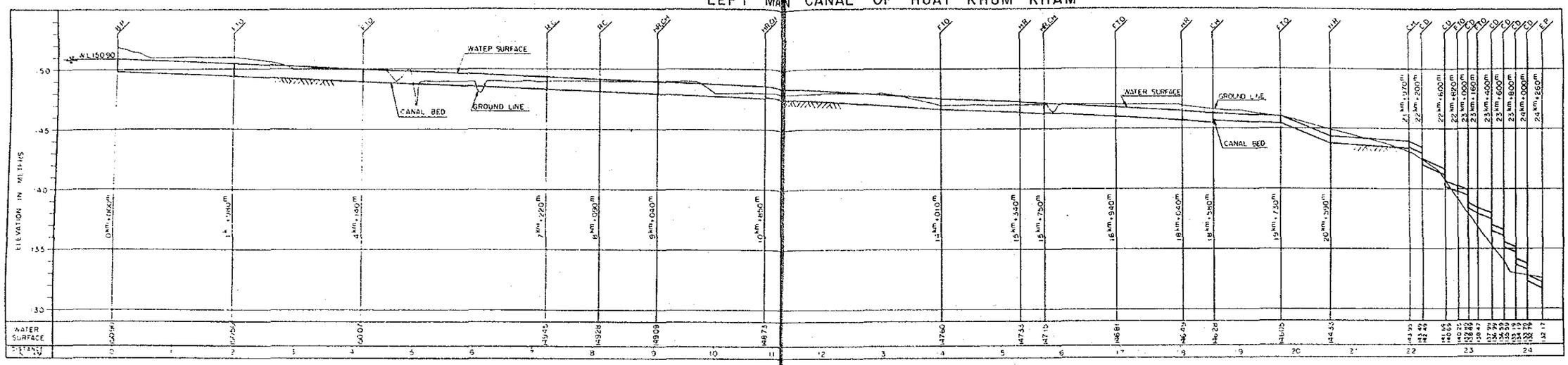
HR	: HEAD REGULATOR	SP	: SPILLWAY
FTO	: FARM TURNOUT	TR	: TAIL REGULATOR
CH	: CHECK STRUCTURE	CS	: CROSS-DRAINAGE STRUCTURE
CD	: CHECK-DROP STRUCTURE	BP	: BEGINNING POINT
RC	: CROSSING STRUCTURE	EP	: END POINT
SI	: SIPHON		

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

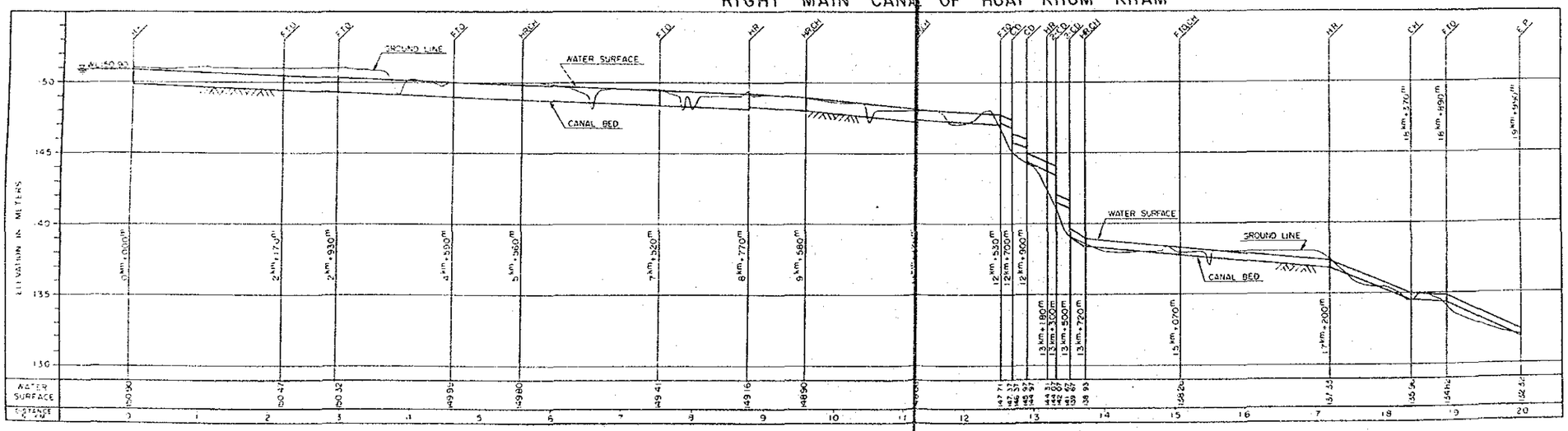
CANAL PROFILE (1/4)
-LAM SE , HUAI KHAM PHAK WAN-

NO. F-46 | JAPAN INTERNATIONAL COOPERATION AGENCY

LEFT MAIN CANAL OF HUAI KHUM KHAM



RIGHT MAIN CANAL OF HUAI KHUM KHAM



LEGENDS

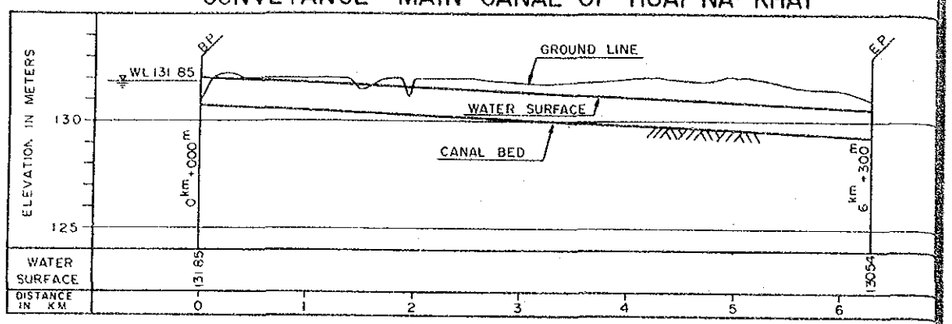
HR	HEAD REGULATOR
FTO	FARM TURNOUT
CH	CHECK
CD	CHECK-DROP
RC	CROSSING STRUCTURE
SI	SIPHON
SP	SPILLWAY
TR	TAIL REGULATOR
CR	CROSS-DRAINAGE STRUCTURE
BP	BEGINNING POINT
EP	END POINT

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (R.D.)

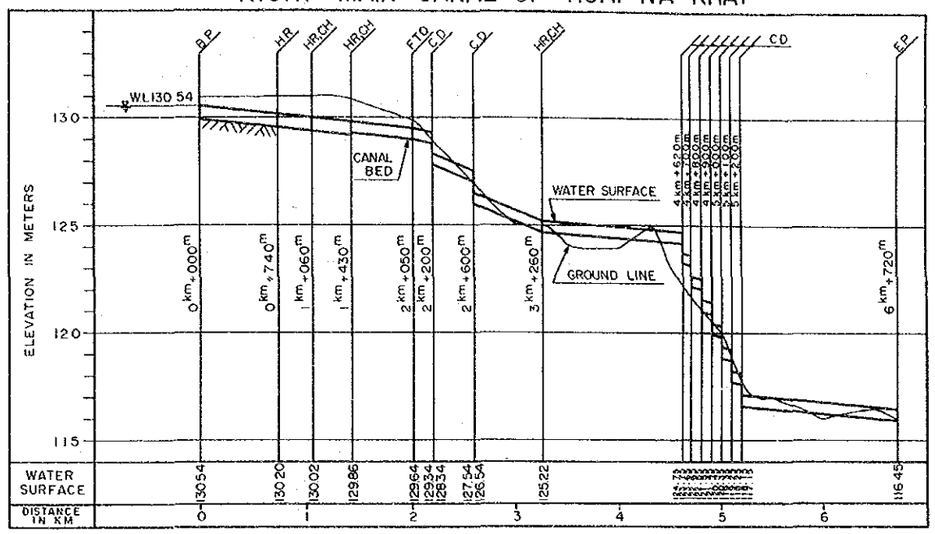
CANAL PROFILE (2/4)
-HUAI KHUM KHAM-

NO F-47 JAPAN INTERNATIONAL COOPERATION AGENCY

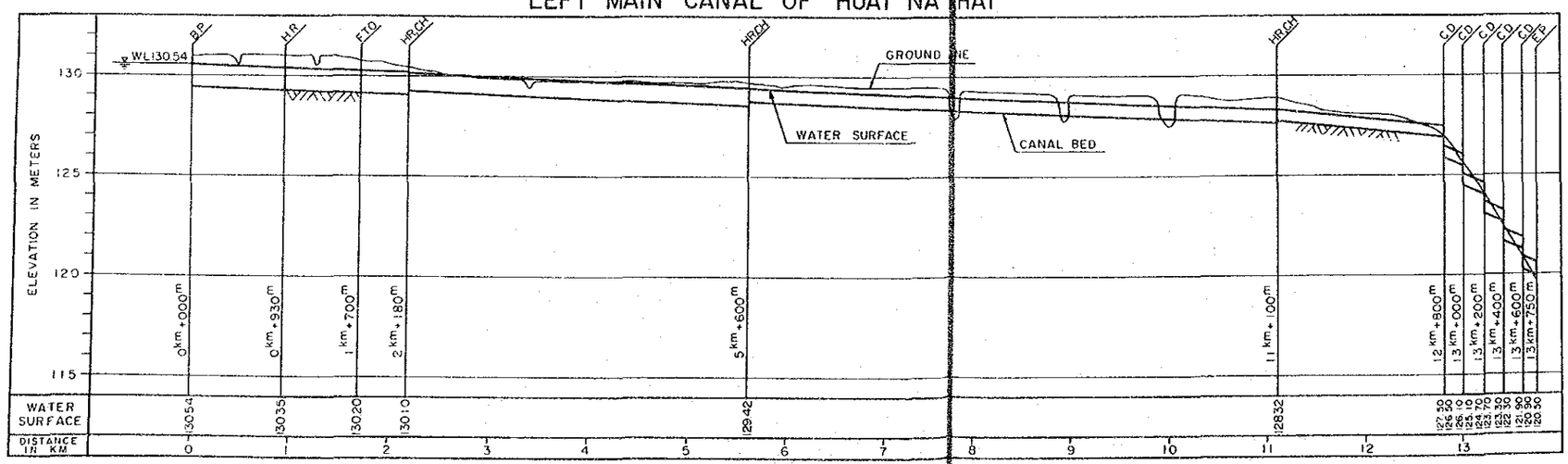
CONVEYANCE MAIN CANAL OF HUAI NA KHAI



RIGHT MAIN CANAL OF HUAI NA KHAI



LEFT MAIN CANAL OF HUAI NA KHAI



LEGENDS

- HR : HEAD REGULATOR
- FTO : FARM TURNOUT
- CH : CHECK STRUCTURE
- CD : CHECK-DROP STRUCTURE
- RC : CROSSING STRUCTURE
- SI : SIPHON
- SP : SPILLWAY
- TR : TAIL REGULATOR
- CS : CROSS DRAINAGE STRUCTURE
- BP : BEGINNING POINT
- EP : END POINT

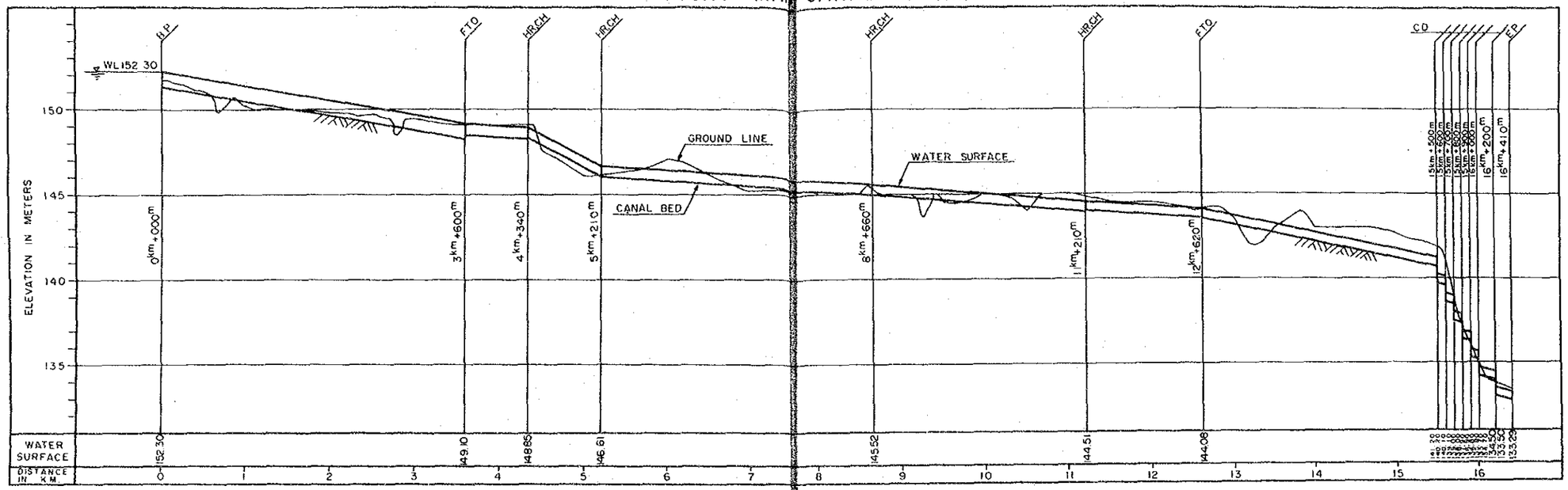
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL PROFILE (3/4)
-HUAI NA KHAI-

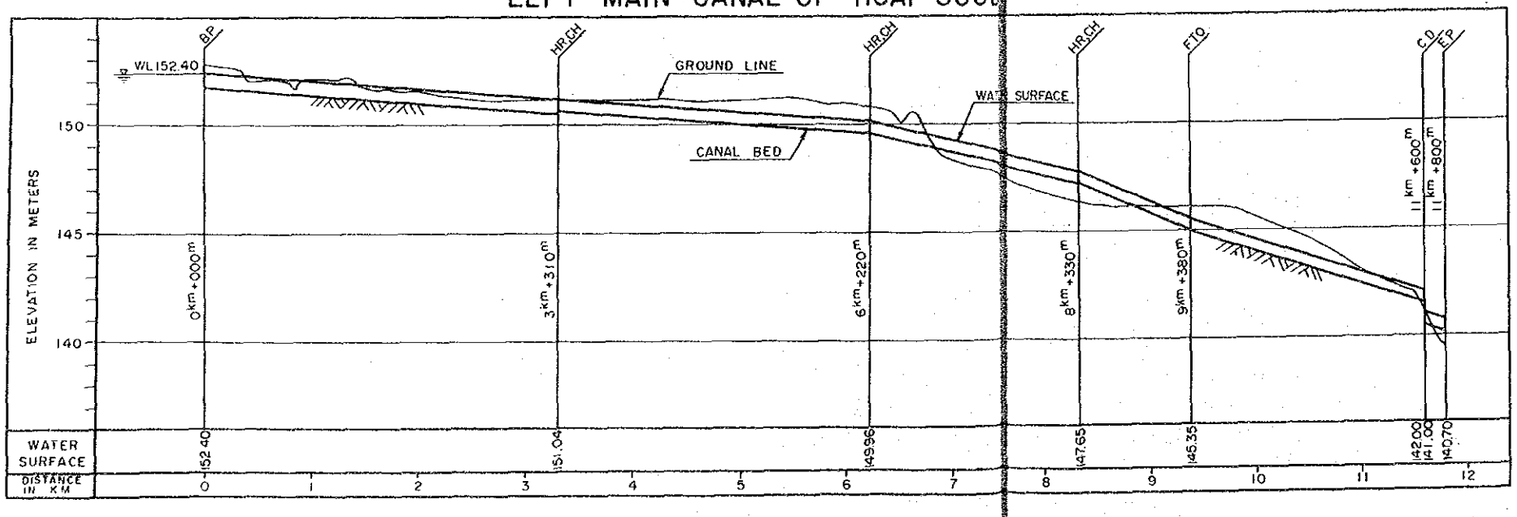
NO. F-48

JAPAN INTERNATIONAL COOPERATION AGENCY

RIGHT MAIN CANAL OF HUAI SOOB



LEFT MAIN CANAL OF HUAI SOOB



LEGENDS

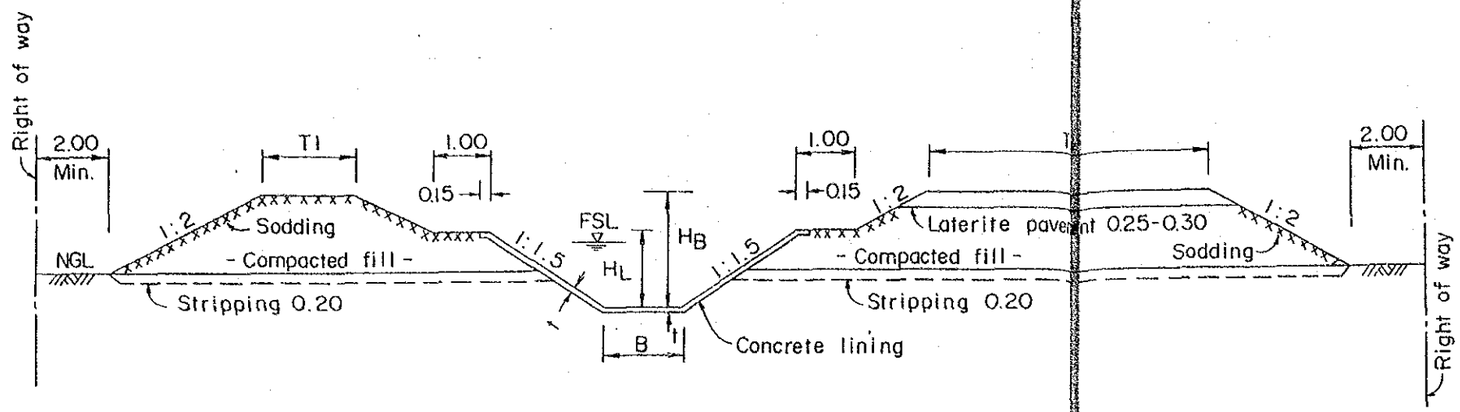
- HR : HEAD REGULATOR
- FTO : FARM TURNOUT
- CH : CHECK
- CD : CHECK-DROP
- RC : CROSSING STRUCTURE
- SI : SIPHON
- SP : SPILLWAY
- TR : TAIL REGULATOR
- CR : CROSS-DRAINAGE STRUCTURE
- BP : BEGINNING POINT
- EP : END POINT

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL PROFILE (4/4)
-HUAI SOOB-

NO. F-49 | JAPAN INTERNATIONAL COOPERATION AGENCY

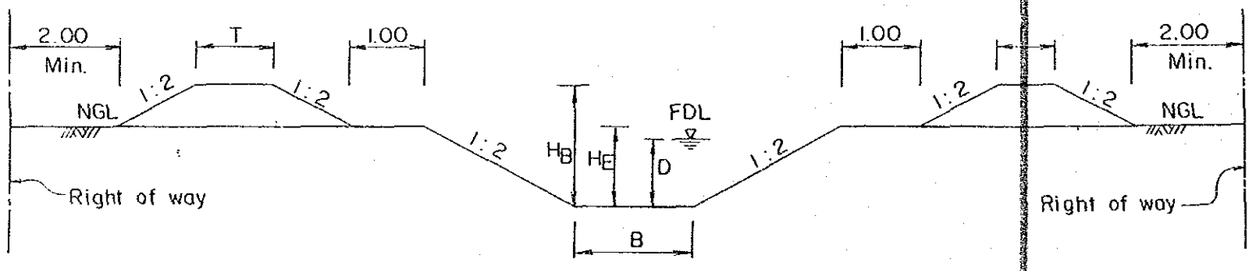
TYPICAL CROSS SECTION OF LINED CANAL



Details of Lined Canal Cross Section

Type	Q m³/s	B m	H_L m	H_B m	T1 m	T2 m	t m
L1	3.74-2.90	1.40	1.55	1.95	2.00	6.00	0.07
L2	3.03-2.35	1.30	1.40	1.80	2.00	6.00	0.07
L3	2.41-2.09	1.20	1.30	1.70	2.00	6.00	0.07
L4	2.08-1.62	1.10	1.25	1.65	2.00	4.00	0.05
L5	1.79-1.38	1.00	1.20	1.60	2.00	4.00	0.05
L6	1.35-1.17	0.90	1.10	1.50	2.00	4.00	0.05
L7	1.21-0.85	0.80	1.00	1.40	2.00	4.00	0.05
L8	0.97-0.69	0.70	0.85	1.15	2.00	4.00	0.05
L9	0.79-0.40	0.60	0.75	1.05	2.00	4.00	0.05
L10	0.49-0.15	0.50	0.65	0.95	2.00	4.00	0.05

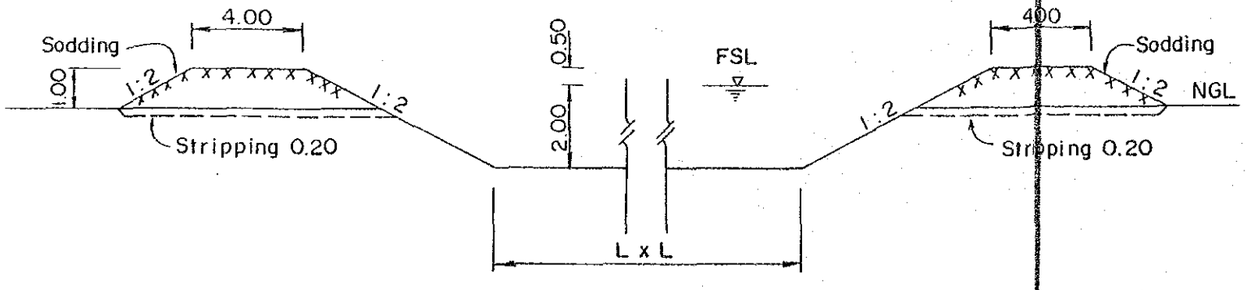
TYPICAL CROSS SECTION OF DRAINAGE CANAL



Dimension

Type	Q m³/s	Bm	D m	H_E m	H_B m	T m
E1	2.63 - 1.85	2.00	1.10	1.40	1.80	1.50
E2	2.01 - 1.44	1.80	1.00	1.30	1.70	1.50
E3	1.53 - 1.07	1.60	0.90	1.20	1.60	1.00
E4	1.10 - 0.77	1.40	0.80	1.00	1.40	1.00
E5	0.76 - 0.47	1.20	0.70	0.90	1.30	1.00
E6	0.50 - 0.22	1.00	0.60	0.80	1.20	0.50
E7	0.23 - 0.13	0.80	0.50	0.70	1.10	0.50
E8	0.13 - 0.07	0.60	0.40	0.60	1.00	0.50

TYPICAL CROSS SECTION OF MUBAN POND



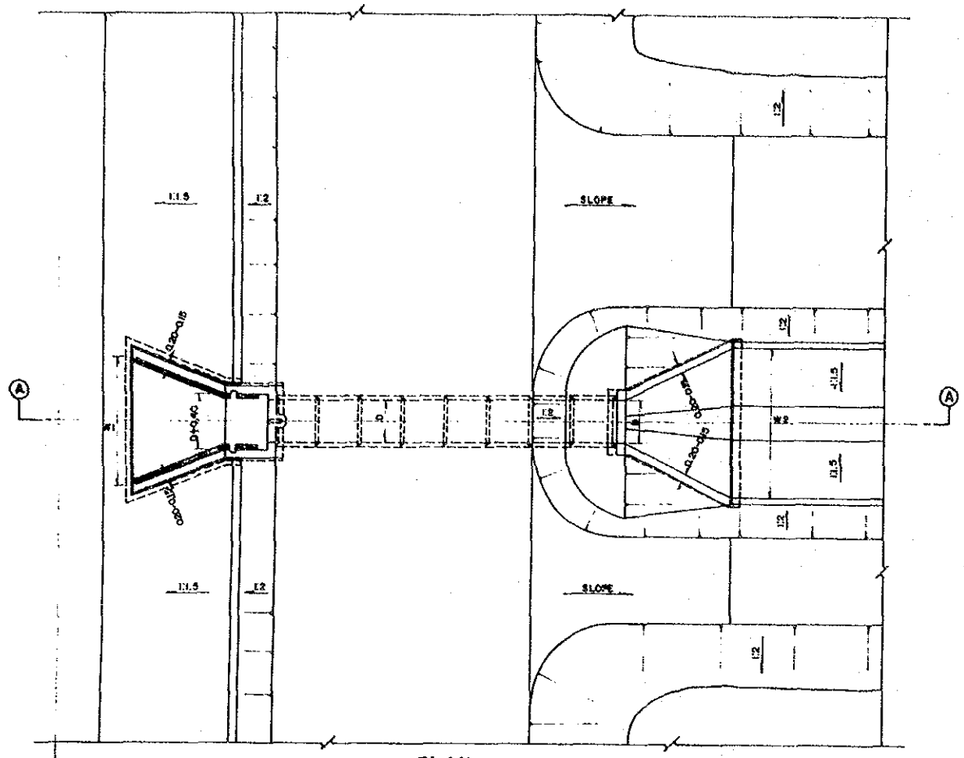
Dimension

Type	Area of Pond ha (rai)	Dimension L x L m	Depth m
1	1.6 (10)	130 x 130	2.00
2	0.8 (5)	90 x 90	2.00
3	0.48(3)	70 x 70	2.00

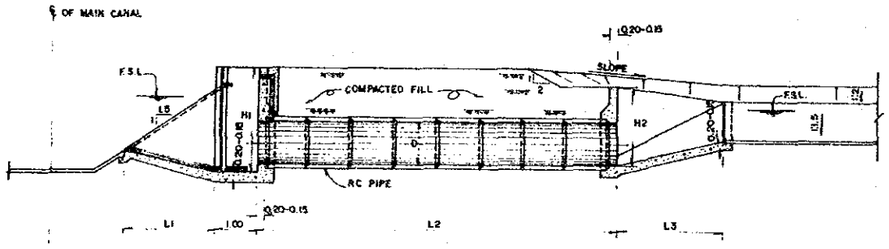
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

TYPICAL CROSS SECTION OF CANAL AND POND

NO. F-50 JAPAN INTERNATIONAL COOPERATION AGENCY



PLAN



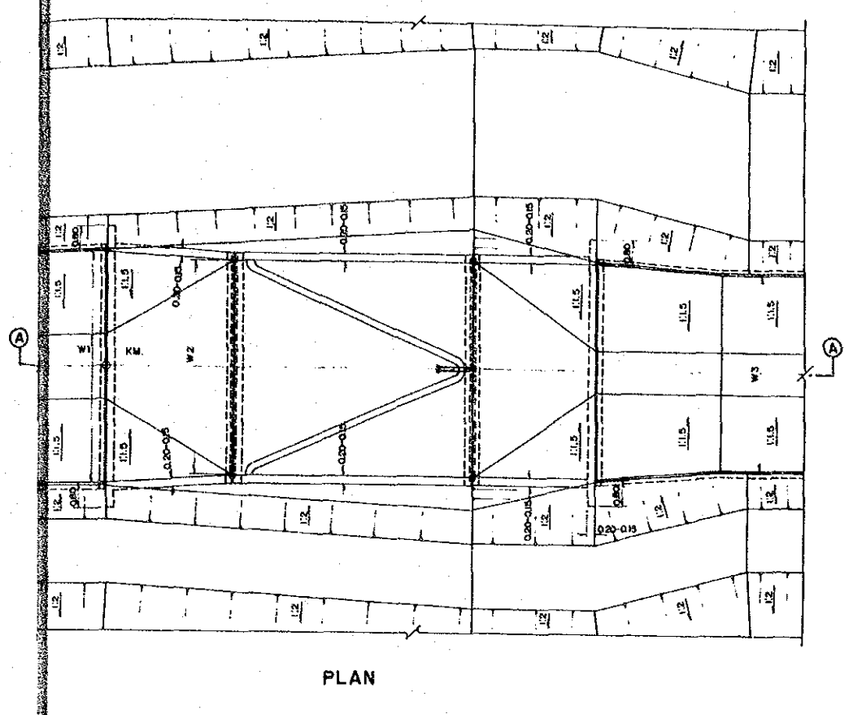
SECTION A-A

TABLE OF DIMENSION

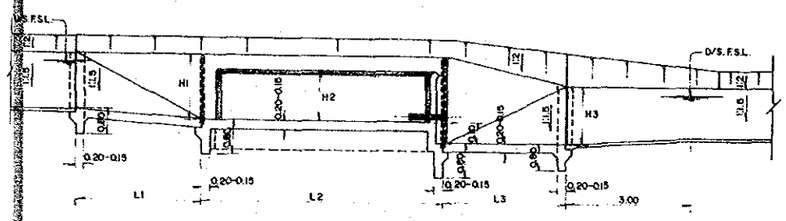
FOR CANAL TYPE	Q cms	D m	W1 m	W2 m	H1 m	H2 m	L1 m	L2 m	L3 m
L2, L3	3.00 ~ 2.00	Φ 0.20	3.00	5.50	2.30	1.60	1.50	9.00	4.00
L4 ~ L7	2.00 ~ 1.00	Φ 1.00 Φ 0.80	2.60	4.85	2.15	1.40	1.30	7.00	3.70
L8 ~ L10	1.00 ~ 0.15	Φ 0.80 Φ 0.50	1.60	3.25	1.65	1.05	0.70	7.00	2.40

HEAD REGULATOR

NOT TO SCALE



PLAN



SECTION A-A

TABLE OF DIMENSION

FOR CANAL TYPE	Q cms	W1 m	W2 m	W3 m	H1 m	H2 m	H3 m	L1 m	L2 m	L3 m
L2, L3	3.00 ~ 2.00	5.50	2.50	5.10	1.60	0.40	1.60	3.20	2.50	2.50
L4 ~ L7	2.00 ~ 1.00	4.65	2.30	3.90	1.45	0.40	1.30	2.70	2.50	1.60
L8 ~ L10	1.00 ~ 0.15	3.25	1.90	2.45	1.05	0.30	0.85	1.50	2.50	0.80

CHECK STRUCTURE

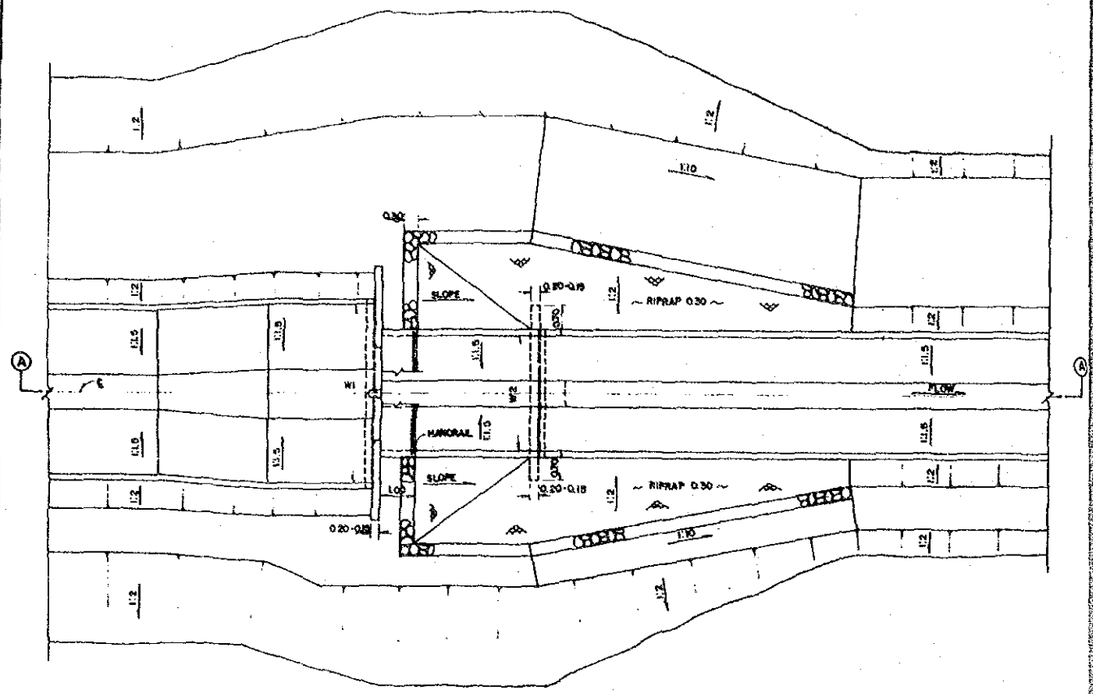
NOT TO SCALE

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

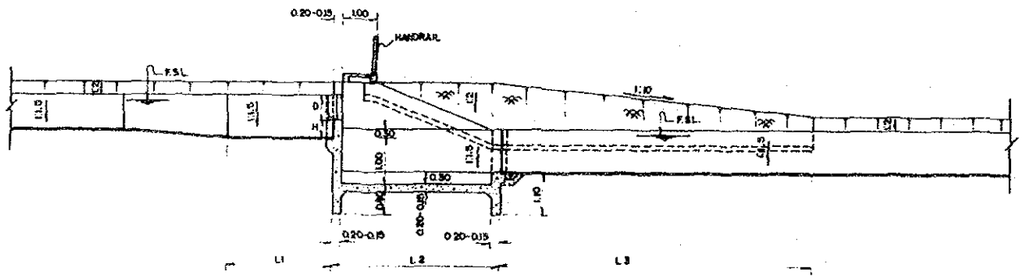
CANAL RELATED STRUCTURE (1/5)

NO. F-51

JAPAN INTERNATIONAL COOPERATION AGENCY



PLAN



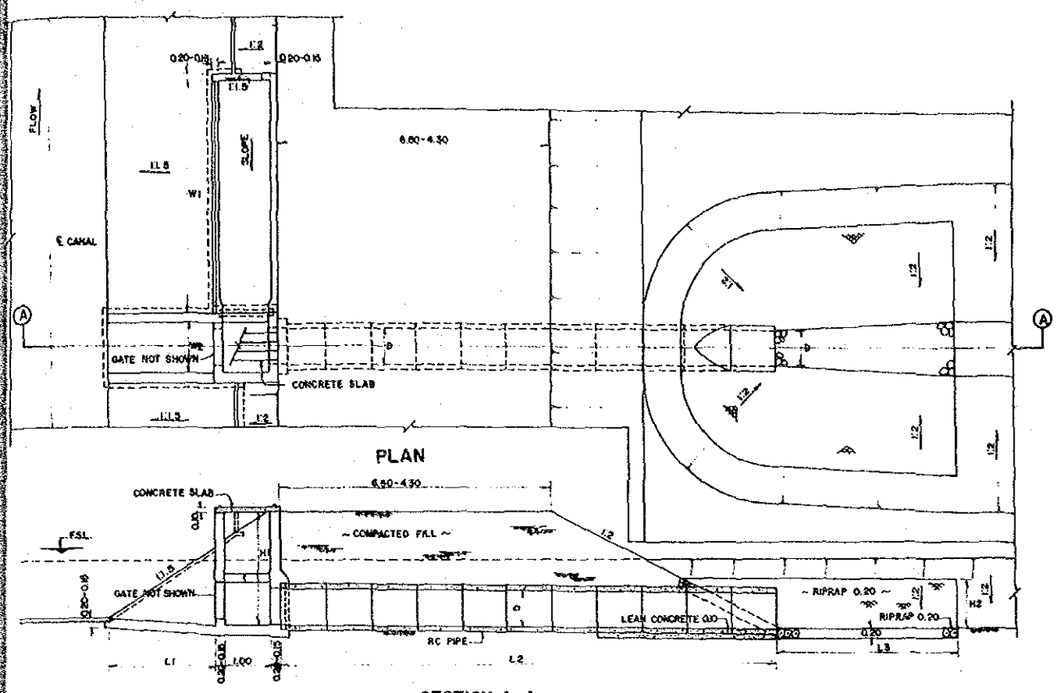
SECTION A-A

TABLE OF DIMENSION FOR CHECK-DROP STRUCTURE

FOR CANAL TYPE	Q cms	W1 m	W2 m	B m	D m	H m	L1 m	L2 m	L3 m
L2,L3	3.00~2.00	6.30	5.50	2.20	1.00	0.60	2.00	3.00	10.00
L4~L7	2.00~1.00	5.65	4.85	1.80	0.85	0.50	1.50	2.50	10.00
L8~L10	1.00~0.15	4.05	3.25	1.50	0.65	0.40	1.00	2.00	10.00

CHECK-DROP STRUCTURE

NOT TO SCALE



SECTION A-A

TABLE OF DIMENSION FOR SPILLWAY

FOR CANAL TYPE	Q cms	D m	W1 m	W2 m	H1 m	H2 m	L1 m	L2 m	L3 m
L2, L3	3.00~2.00	Ø1.20	4.00	1.50	2.00	1.40	1.80	8.00	5.00
L4~L7	2.00~1.00	Ø1.00,2Ø0.80	3.00	1.30	1.85	1.25	1.60	10.00	4.00
L8~L10	1.00~0.15	Ø0.60,Ø0.50	2.00	0.90	1.35	0.85	1.00	7.00	3.00

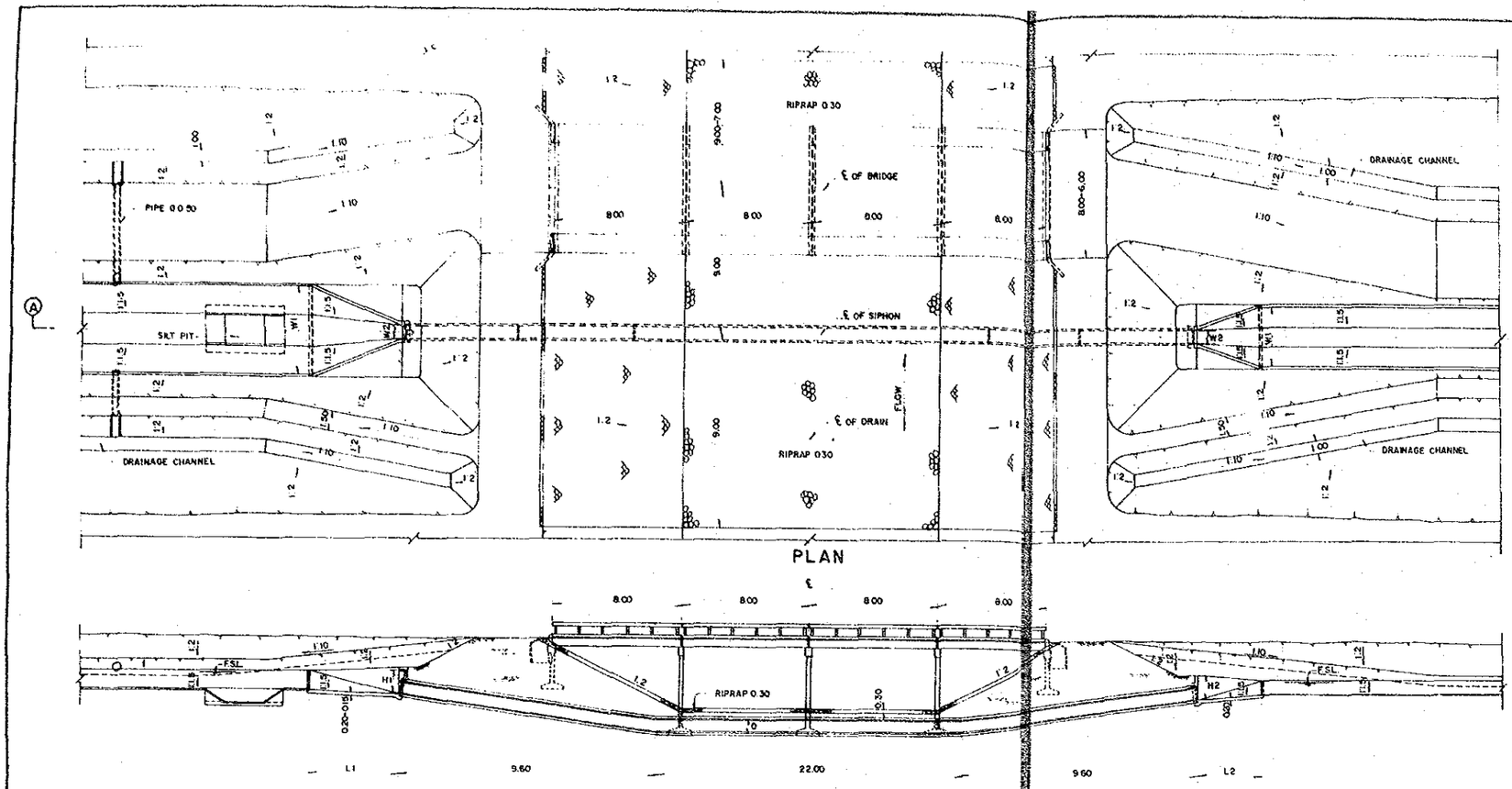
SPILLWAY

NOT TO SCALE

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL RELATED STRUCTURE (2/5)

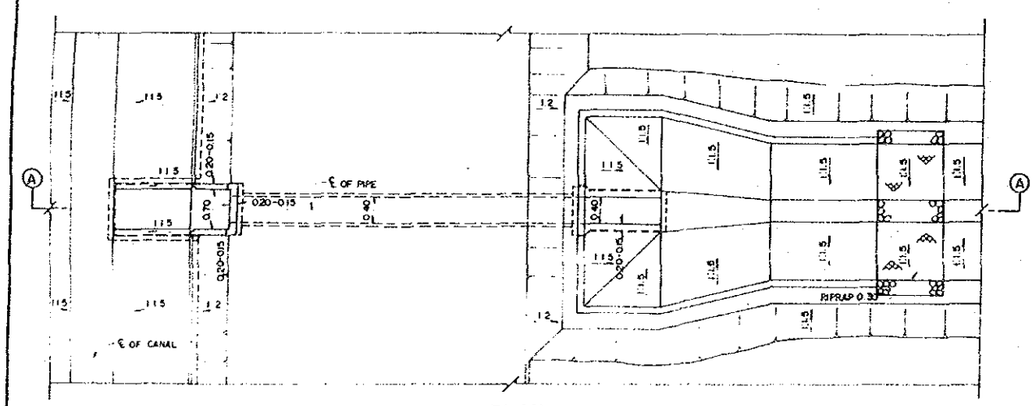
NO. F-52 | JAPAN INTERNATIONAL COOPERATION AGENCY



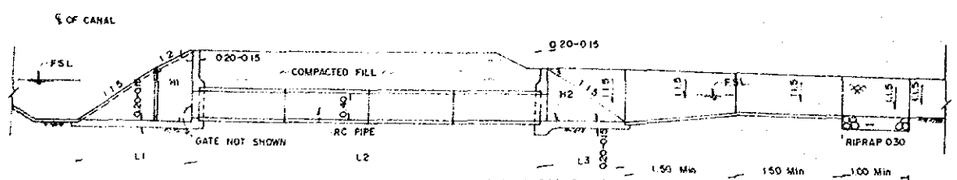
SECTION A-A

SIPHON

NOT TO SCALE



PLAN



SECTION A-A

FARM TURNOUT

NOT TO SCALE

TABLE OF DIMENSION FOR SIPHON

FOR CANAL TYPE	Q cms	D m	W1 m	W2 m	H1 m	H2 m	L1 m	L2 m
L2,L3	3.00 - 2.00	Ø1.20	5.50	1.20	1.40	1.40	4.00	5.00
L4-L7	2.00 - 1.00	2-Ø0.80	4.85	1.00, 0.80	1.25	1.25	3.70	4.00
L8-L10	1.00 - 0.15	2-Ø0.60, Ø0.20	3.25	0.60, 0.50	0.85	0.85	2.40	3.00

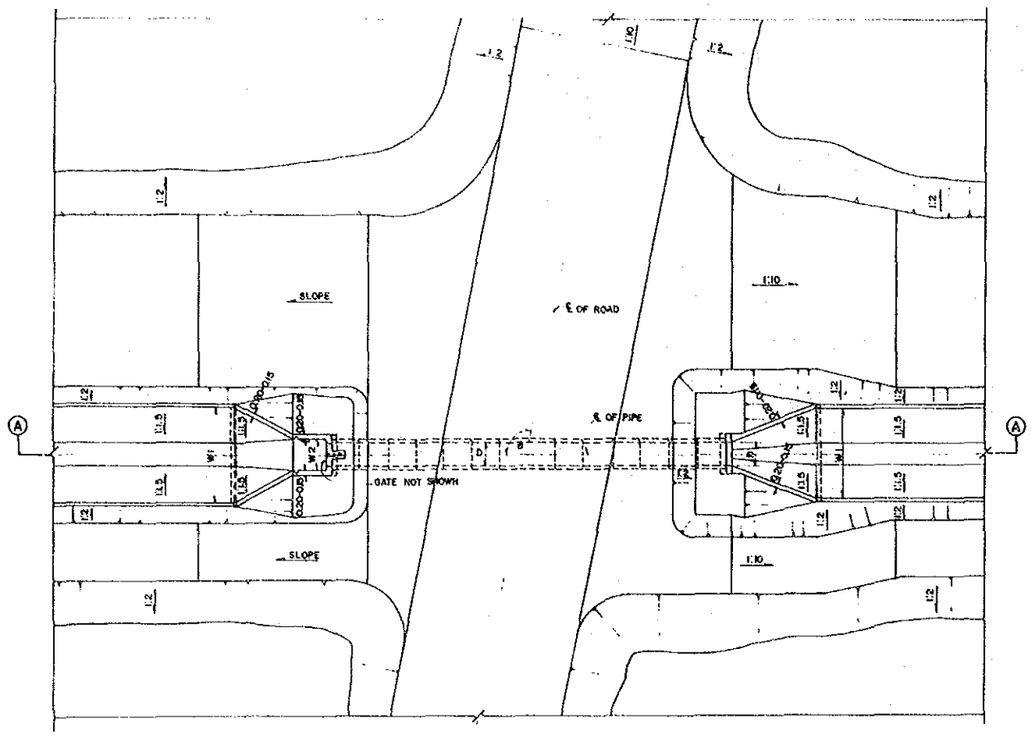
TABLE OF DIMENSION FOR FARM TURNOUT

FOR CANAL TYPE	Q cms	H1 m	H2 m	L1 m	L2 m	L3 m
L2,L3	0.13	1.60	0.70	2.70	11.00	1.50
L4-L7	0.13	1.65	0.70	2.50	9.00	1.50
L8-L10	0.13	1.15	0.70	1.70	8.00	1.50

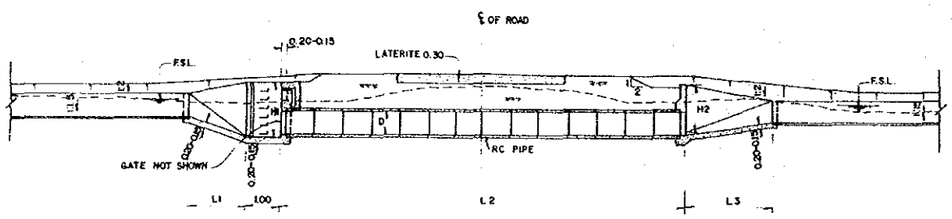
THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL RELATED STRUCTURE (3/5)

NO F-53 | JAPAN INTERNATIONAL COOPERATION AGENCY



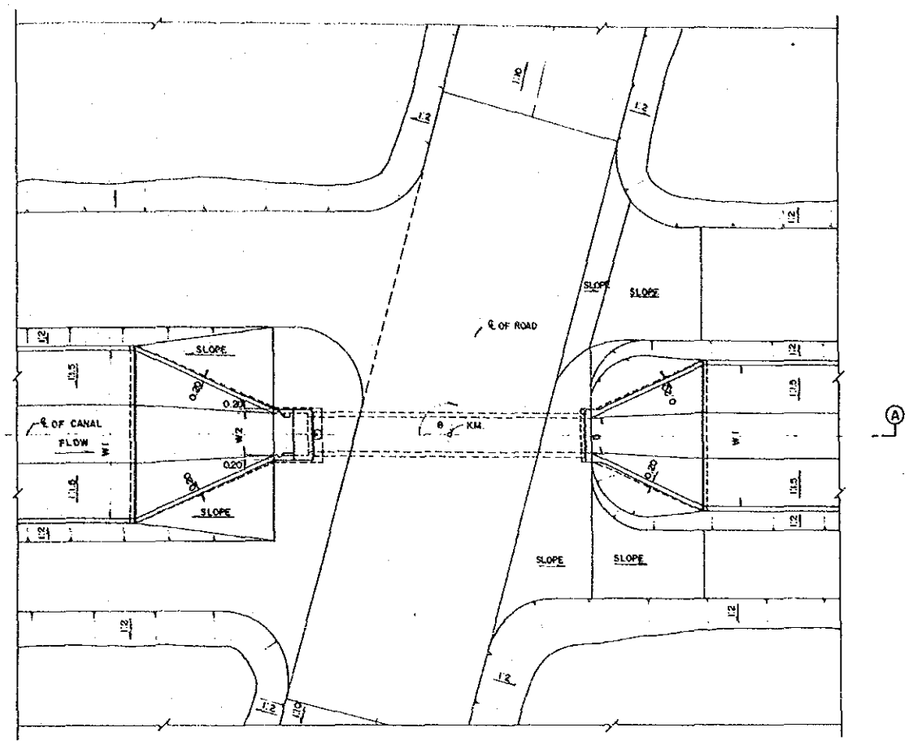
PLAN



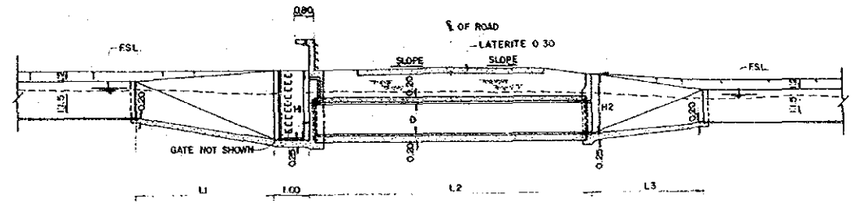
SECTION A-A

PIPE CULVERT

NOT TO SCALE



PLAN



SECTION A-A

BOX CULVERT

NOT TO SCALE

TABLE OF DIMENSION FOR CROSSING STUCTURE

FOR CANAL TYPE	Q cms	W1 m	W2 m	H1 m	H2 m	L1 m	L2 m	L3 m	D m
L1	4.00 - 3.00	6.05	2.10	2.35	2.05	4.50	10.00	5.00	Ø1.80
L2,L3	3.00 - 2.00	5.60	1.80	2.10	1.70	4.30	10.00	4.80	Ø1.50
L4,L5	2.00 - 1.50	4.85	1.80	1.85	1.65	3.60	10.00	4.00	Ø1.50
L6,L7	1.50 - 1.00	4.20	1.50	1.85	1.65	3.60	10.00	4.00	Ø1.20
L8,L9	1.00 - 0.50	3.25	1.30	1.65	1.15	2.40	10.00	2.70	Ø1.00
L10	0.50 - 0.15	2.45	1.10	1.65	1.15	2.40	10.00	2.70	Ø0.80

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL RELATED STRUCTURE(4/5)

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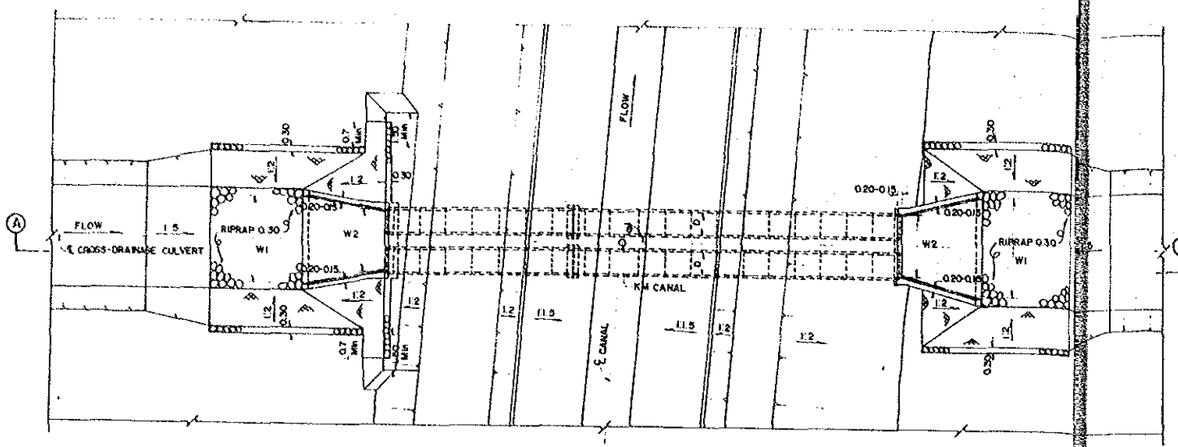
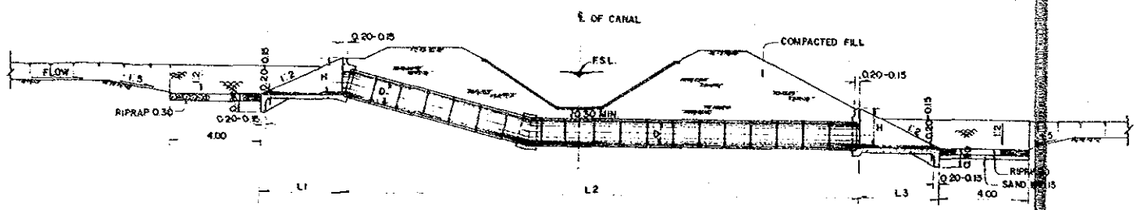


PLAN



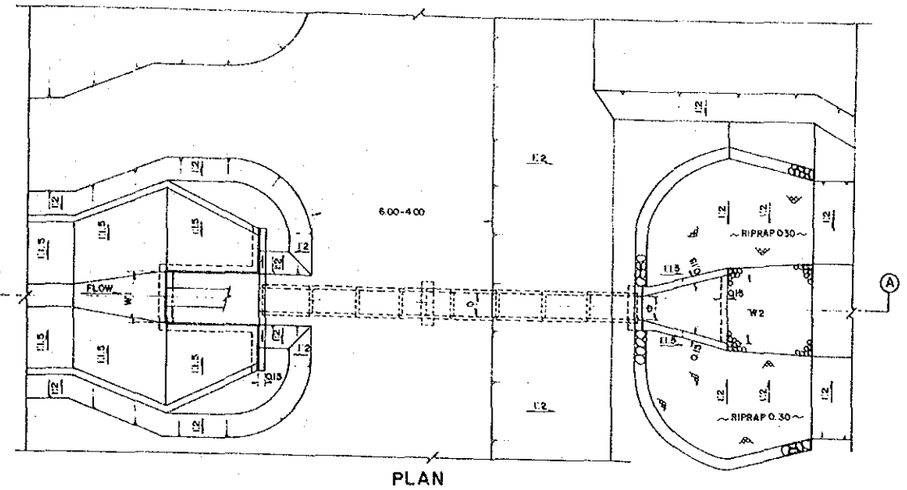
SECTION A-A

TABLE OF DIMENSION

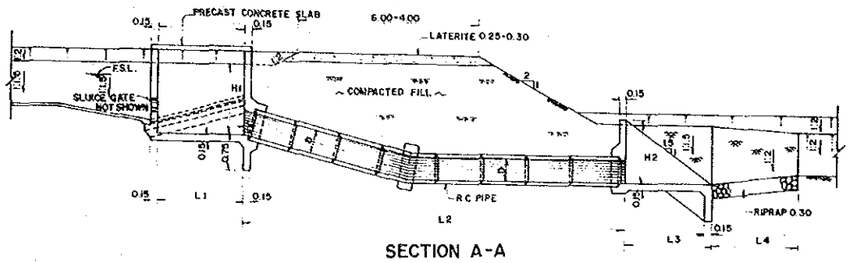
FOR CANAL TYPE	Q cms	D m	W1 m	W2 m	H m	L1 m	L2 m	L3 m
L1 - L3	2.00	Ø1.00	6.30	2.60	1.80	3.60	13.00	3.60
L4 - L7	2.00	Ø1.00	6.30	2.60	1.80	3.60	10.00	3.60
L8 - L10	2.00	Ø1.00	6.30	2.60	1.80	3.60	9.00	3.60

CROSS-DRAINAGE STRUCTURE

NOT TO SCALE



PLAN



SECTION A-A

TABLE OF DIMENSION

FOR CANAL TYPE	Q cms	D m	W1 m	W2 m	H1 m	H2 m	L1 m	L2 m	L3 m	L4 m
L8, L9	1.00 - 0.50	Ø1.00	1.50	2.80	0.85	0.85	1.00	7.00	2.00	3.60
L10	0.50 - 0.15	Ø0.80	1.20	2.20	0.65	0.65	0.80	7.00	1.50	2.40

TAIL REGULATOR

NOT TO SCALE

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

CANAL RELATED STRUCTURE (5/5)

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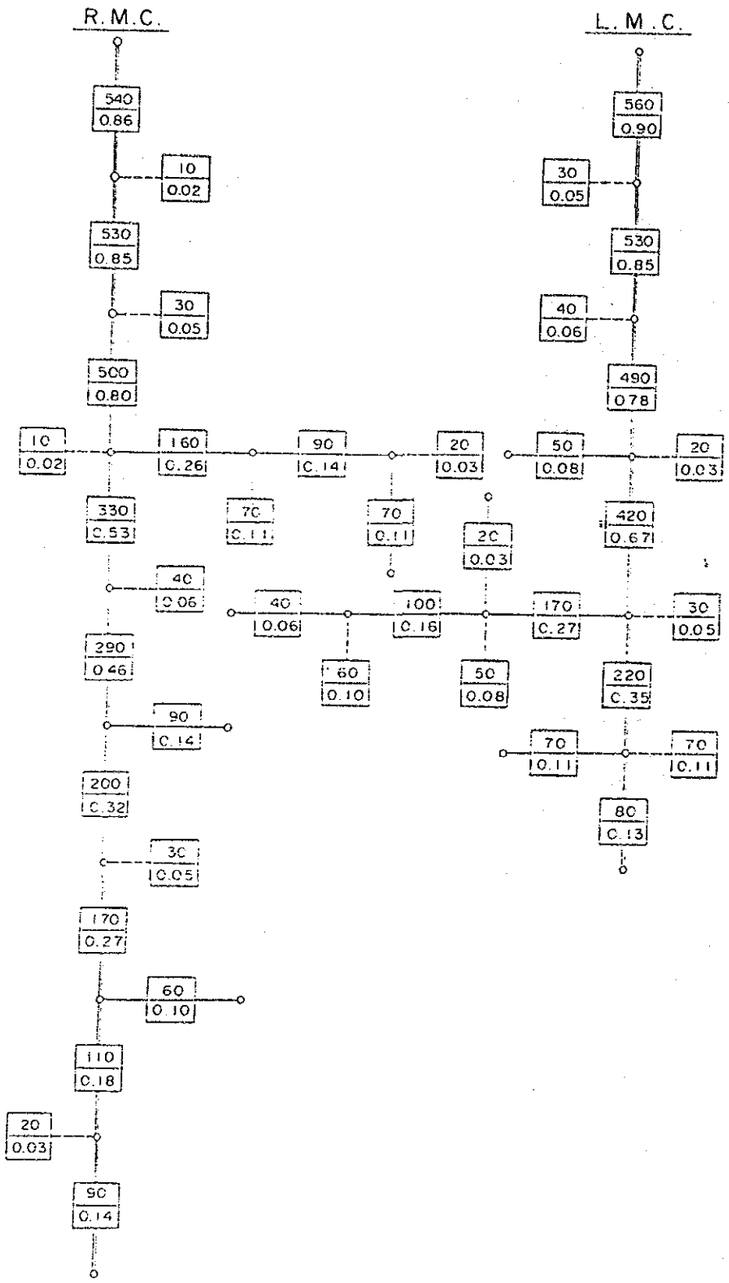
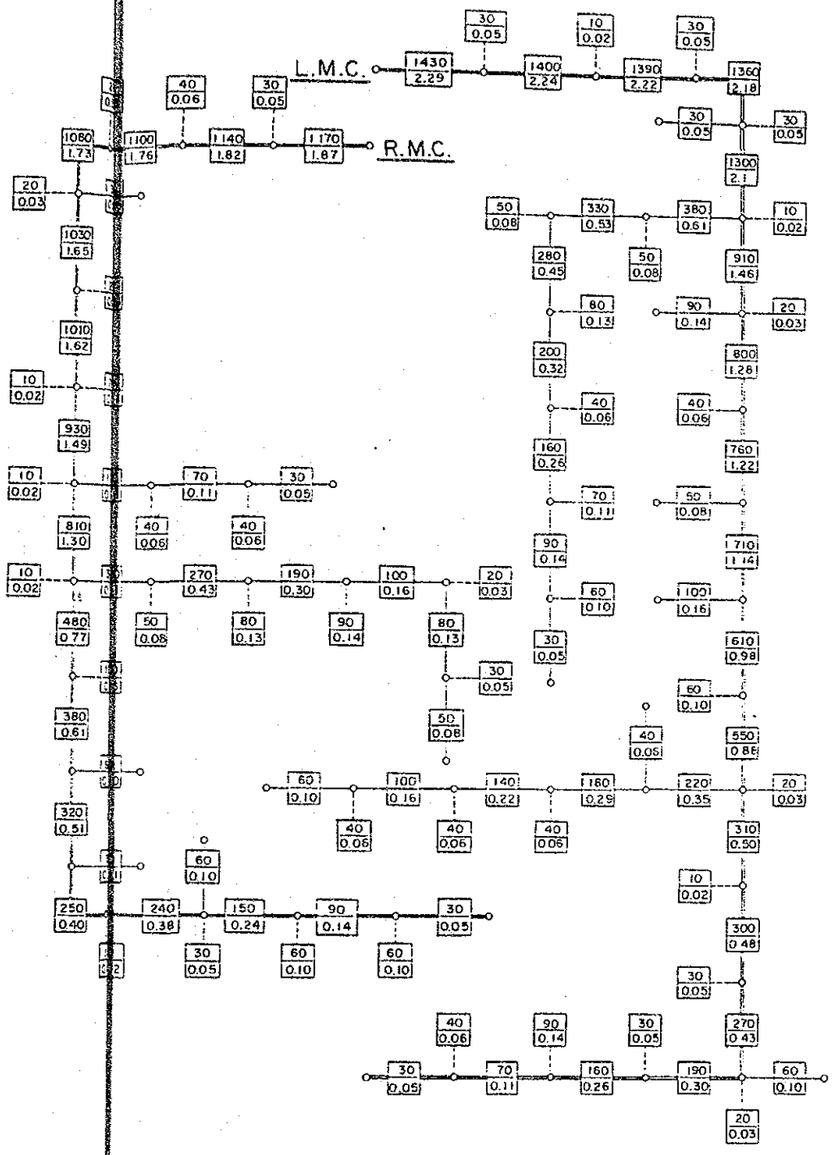
LAM SE



HUAI KHUM KHAM



LEGEND

Commanding area in ha
Discharge in m^3/sec

Main canal

Lateral canal

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

IRRIGATION DIAGRAM (1/2),
LAM SE, HUAI KHUM KHAM

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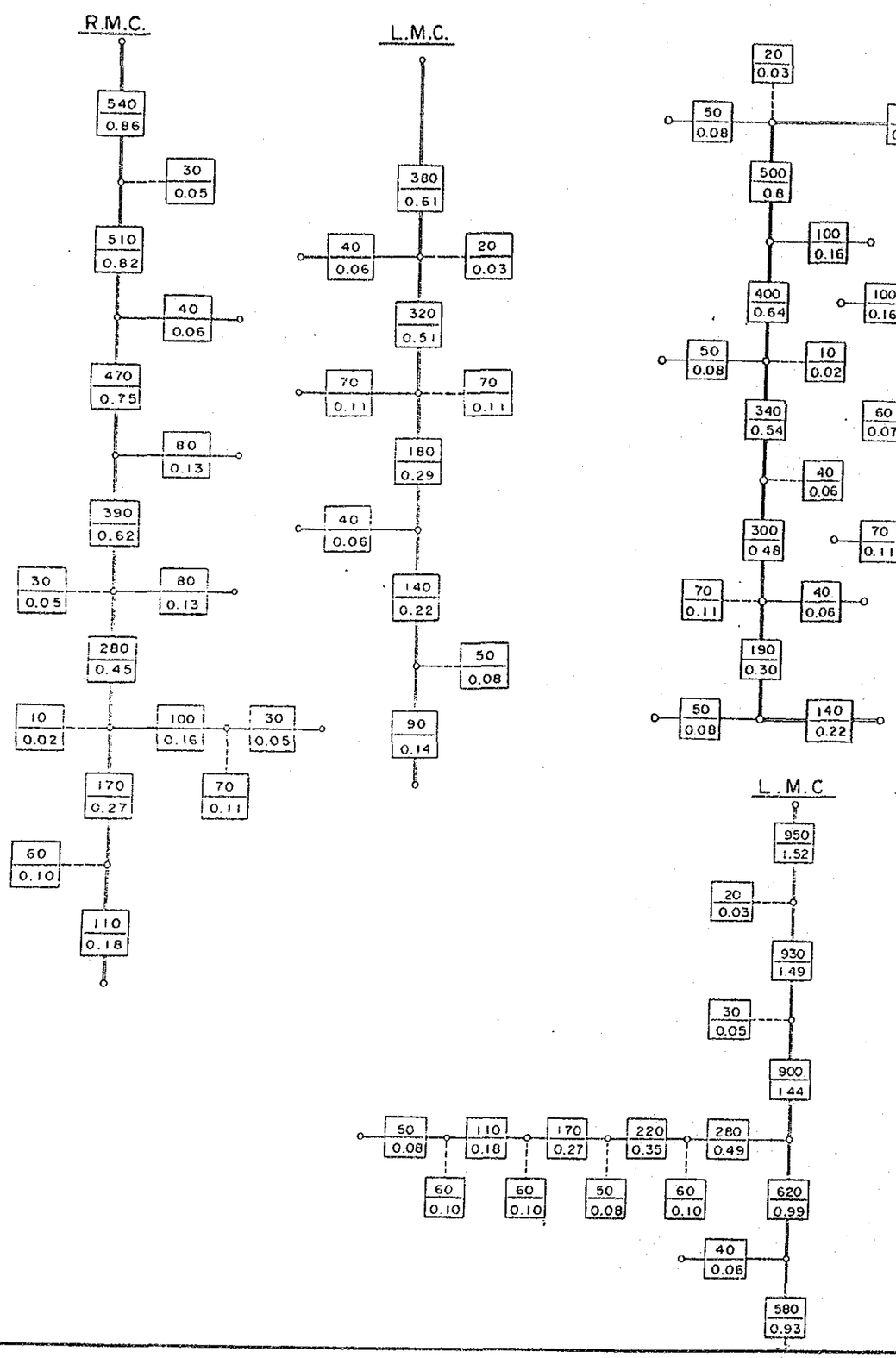
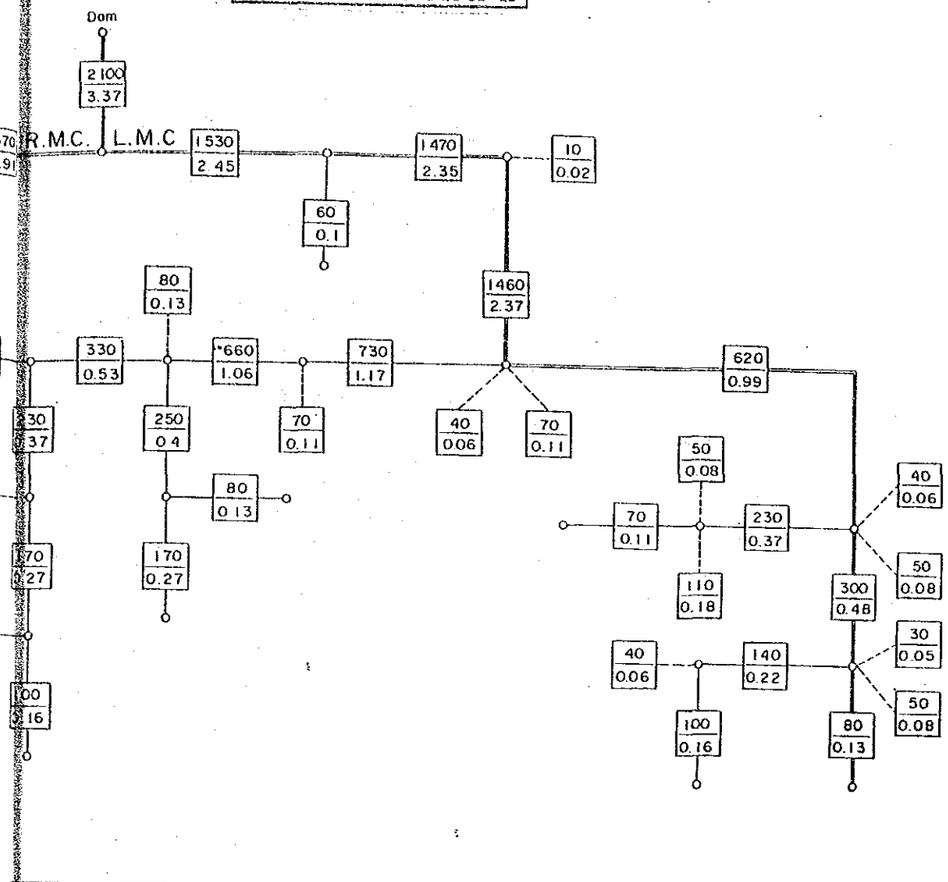
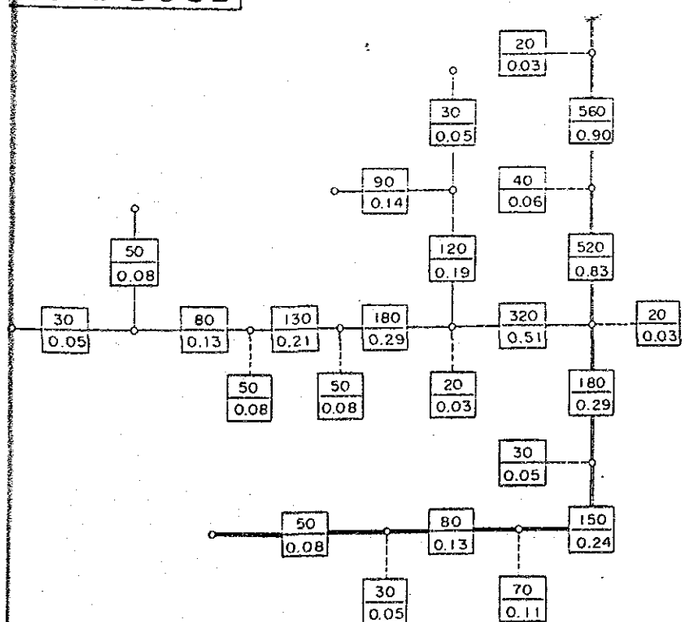
HUAI KHAM PHAK WAN



HUAI NA KHAI



HUAI SOOB



LEGEND

- Commanding area in ha / Discharge in m^3/sec
- Main canal
- Lateral canal

THE FEASIBILITY STUDY OF
SEBAI-SEBOK BASIN DEVELOPMENT PROJECT
IN THE NORTHEAST REGION (RID)

IRRIGATION DIAGRAM (2/2)
HUAI KHAM PHAK WAN,
HUAI NA KHAI, HUAI SOOB

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