

**REPORT ON IMPLEMENTATION DESIGN SURVEY TEAM
FOR
THE WATERSHED MANAGEMENT TECHNOLOGY DEVELOPMENT PROJECT
IN
SOUTH SULAWESI
IN
THE REPUBLIC OF INDONESIA
(GAUGING FACILITIES, ETC.)**

DRAWING-1

January 1989

JAPAN INTERNATIONAL COOPERATION AGENCY

FDD
JR
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国際協力事業団

20021








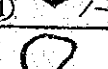
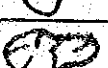



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試験区(処理区、無処理区)計画図 PROPOSED SITE OF TRIAL BLOCK (PROCESSED BLOCK AND NON PROCESSED BLOCK)

S=1/5,000

凡例 LEGEND

	試験区	TRIAL BLOCK
	処理区	PROCESSED BLOCK
	無処理区	NON PROCESSED BLOCK
	量水施設	GAUGING FACILITIES
	斜面プロット (ライシメーター)	SLOPE PLOT (LYSIMETER)
	① 治山ダム	STREAM DAM
	山腹工対象地	PROPOSED SITE OF HILLSIDE WORK
	林地	FOREST AREA
	橋梁架設地点	PROPOSED POINT OF BRIDGE
	道路	ROAD



PLAN OF GAUGING EROSION AND OTHERS

治山ダム ②

NO. 2 EROSION

CONTROL DAM

治山ダム ①

NO. 1 EROSION

CONTROL DAM

量水施設 (無処理区)

GAUGING (NON PROCESSED)

(量水施設 (処理区))

GAUGING (PROCESSED)

山腹工事

HILLSIDE WORK

量水施設

GAUGING (FOREST)

気象観測露場

METEORO OBSERVATION

苗 烟

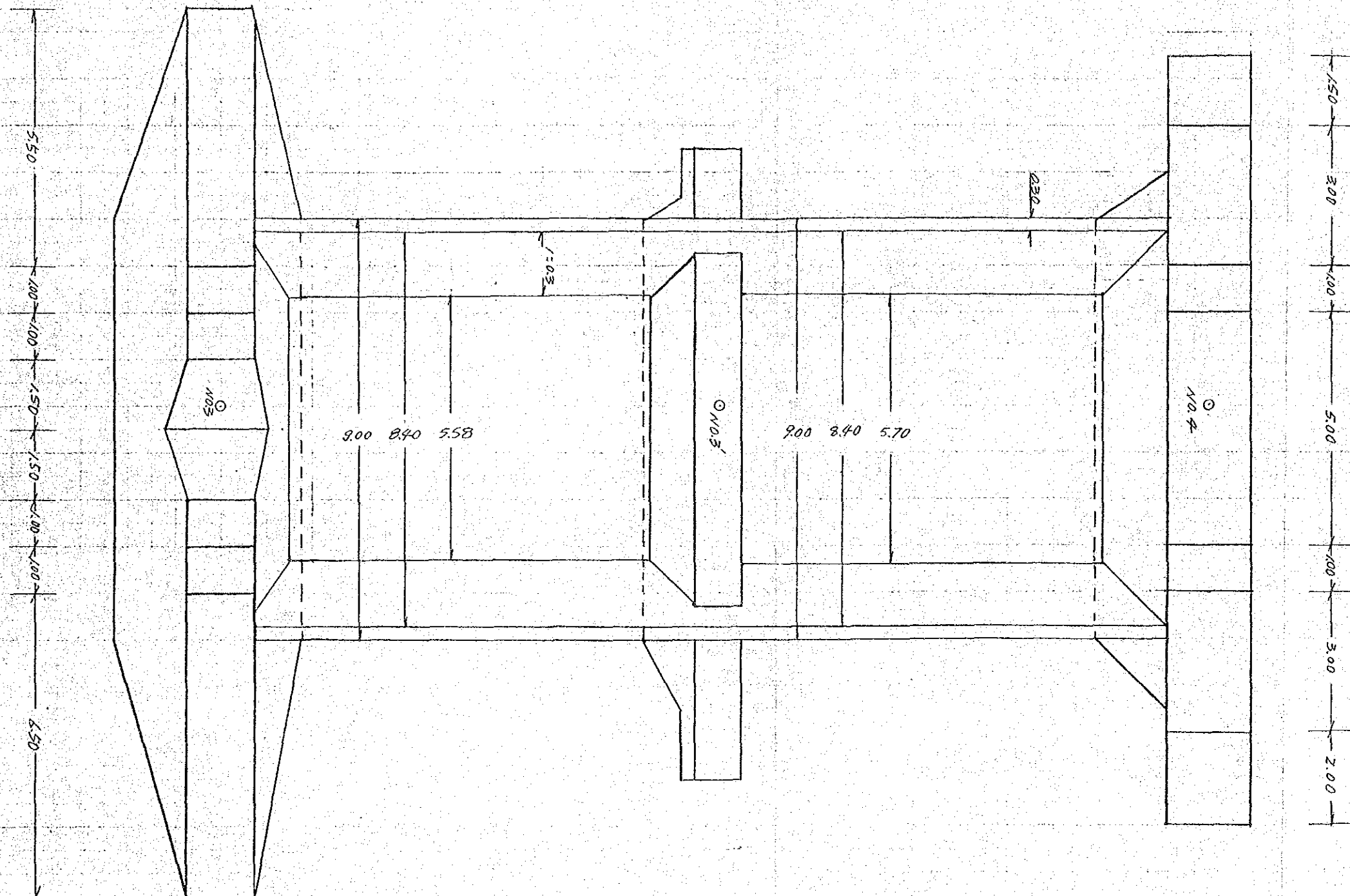
NURSERY

MAINE

处理区(第1支流)量水施設関連図
GAUGING FACILITIES CONNECTION OF PROCESSED BLOCK

$$S = \frac{1}{100}$$

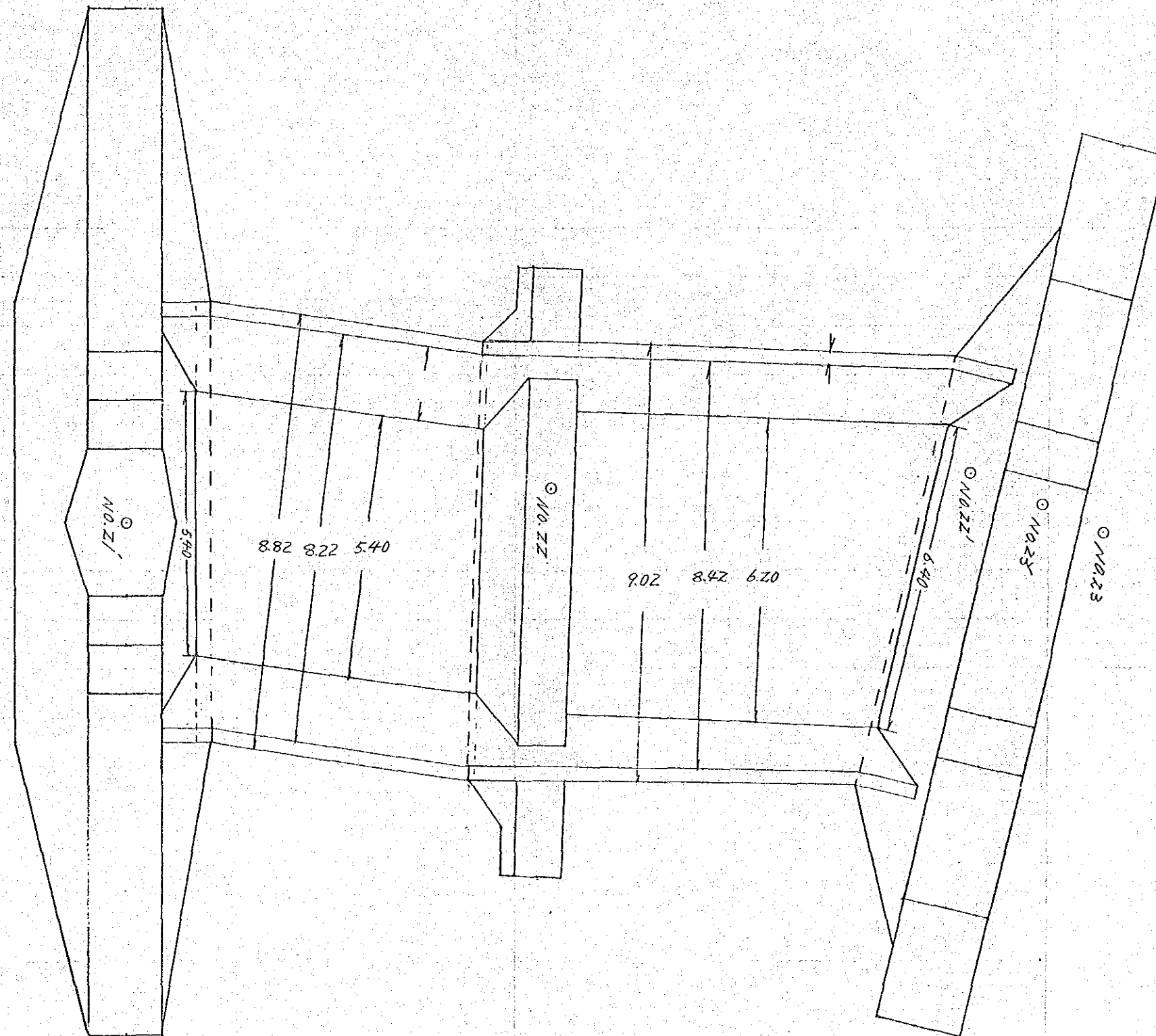
平面图
PLANE



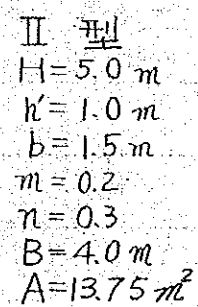
無処理区 (第2支流) 量水施設関連図
GAUGING FACILITIES CONNECTION OF NON PROCESSED BLOCK

平面図
PLANE

$$S = \frac{1}{100}$$

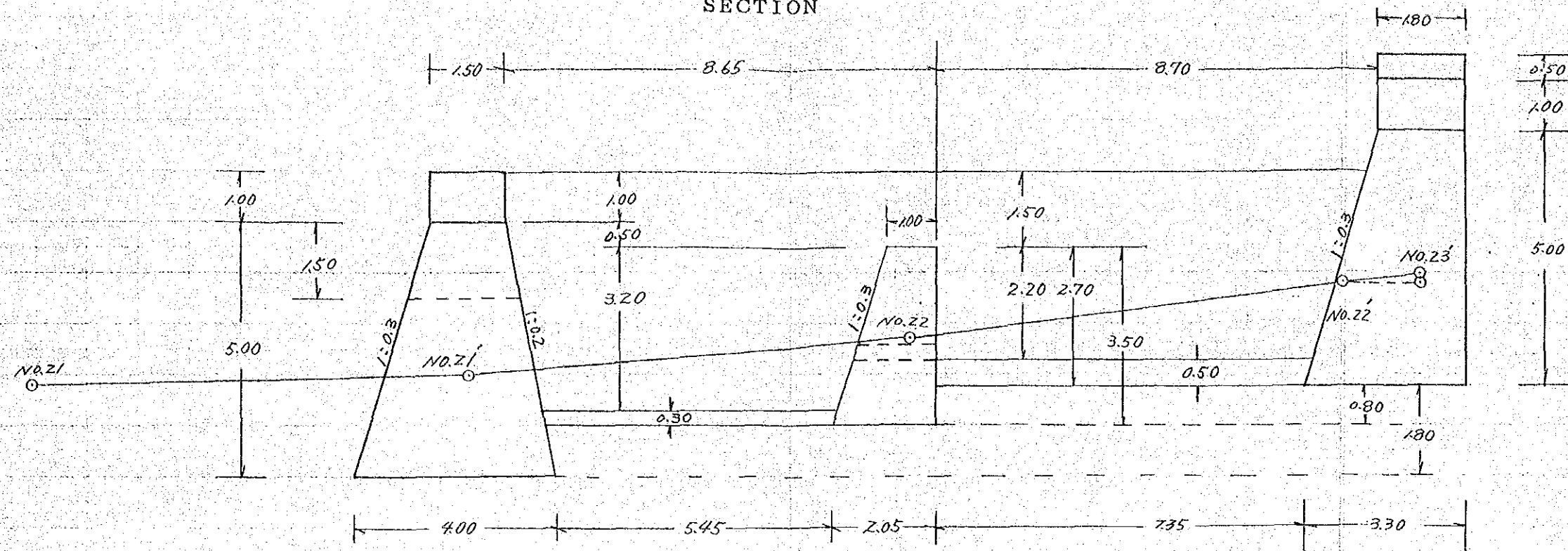


側 面 図
SECTION


$$\begin{aligned} H &= 3.5 \text{ m} \\ b &= 1.0 \text{ m} \\ m &= 0 \\ n &= 0.3 \\ B &= 2.0 \text{ m} \\ A &= 8.75 \text{ m}^2 \end{aligned}$$
$$\begin{aligned} \text{III} & \quad \frac{\pi l}{2} \\ H &= 5.0 \text{ m} \\ h' &= 1.0 \text{ m} \\ b &= 1.8 \text{ m} \\ m &= 0 \\ \pi &= 0.3 \\ B &= 3.3 \text{ m} \\ A &= 12.75 \text{ m}^2 \end{aligned}$$

無処理区 (第2支流) 量水施設関連図
GAUGING FACILITIES CONNECTION OF NON PROCESSED BLOCK

側面図
SECTION



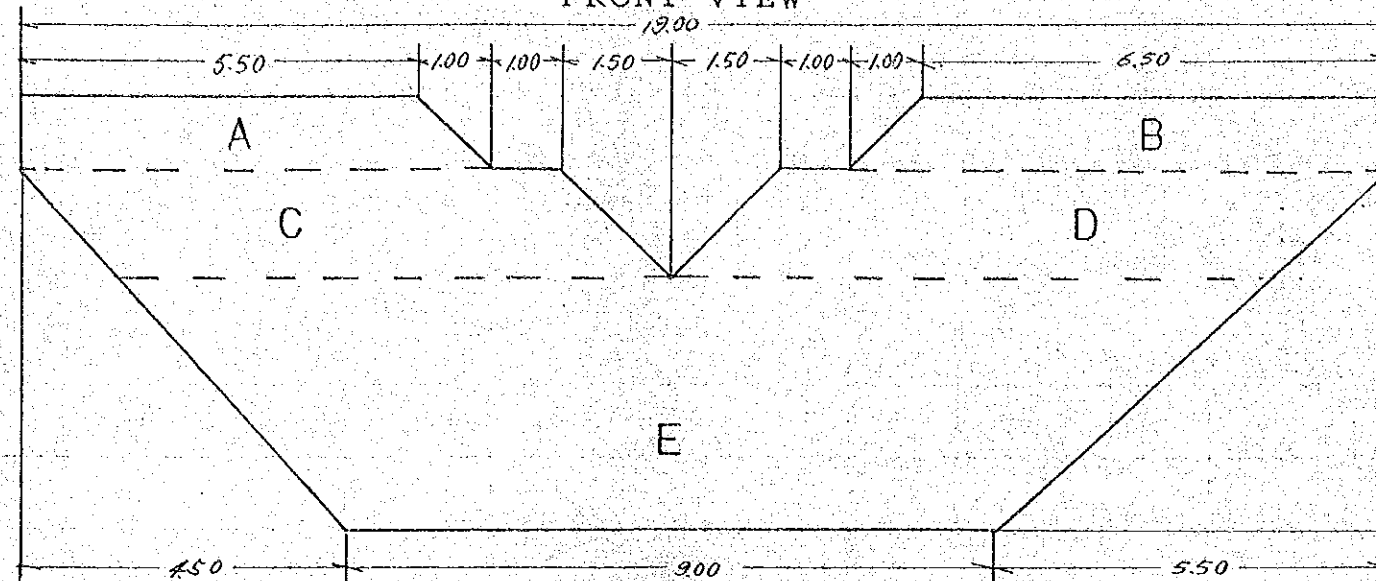
Ⅱ 型
 $H = 5.0 \text{ m}$
 $h' = 1.0 \text{ m}$
 $b = 1.5 \text{ m}$
 $m = 0.2$
 $n = 0.3$
 $B = 4.0 \text{ m}$
 $A = 13.75 \text{ m}^2$

$H = 3.5 \text{ m}$
 $b = 1.0 \text{ m}$
 $m = 0$
 $n = 0.3$
 $B = 2.0 \text{ m}$
 $A = 8.75 \text{ m}^2$

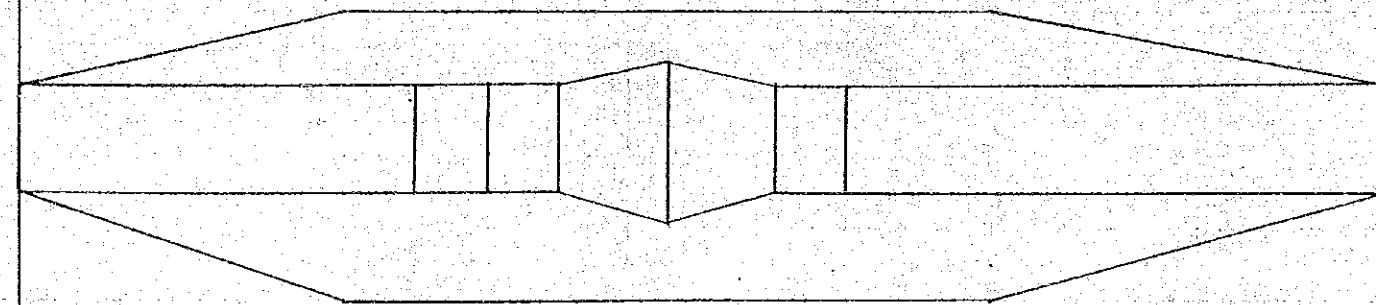
Ⅲ 型
 $H = 5.0 \text{ m}$
 $b = 1.8 \text{ m}$
 $m = 0$
 $n = 0.3$
 $B = 3.3 \text{ m}$
 $A = 12.75 \text{ m}^2$

処理区 (第1支流) 量水ダム構造図
GAUGING DAM STRUCTURE OF PROCESSED BLOCK

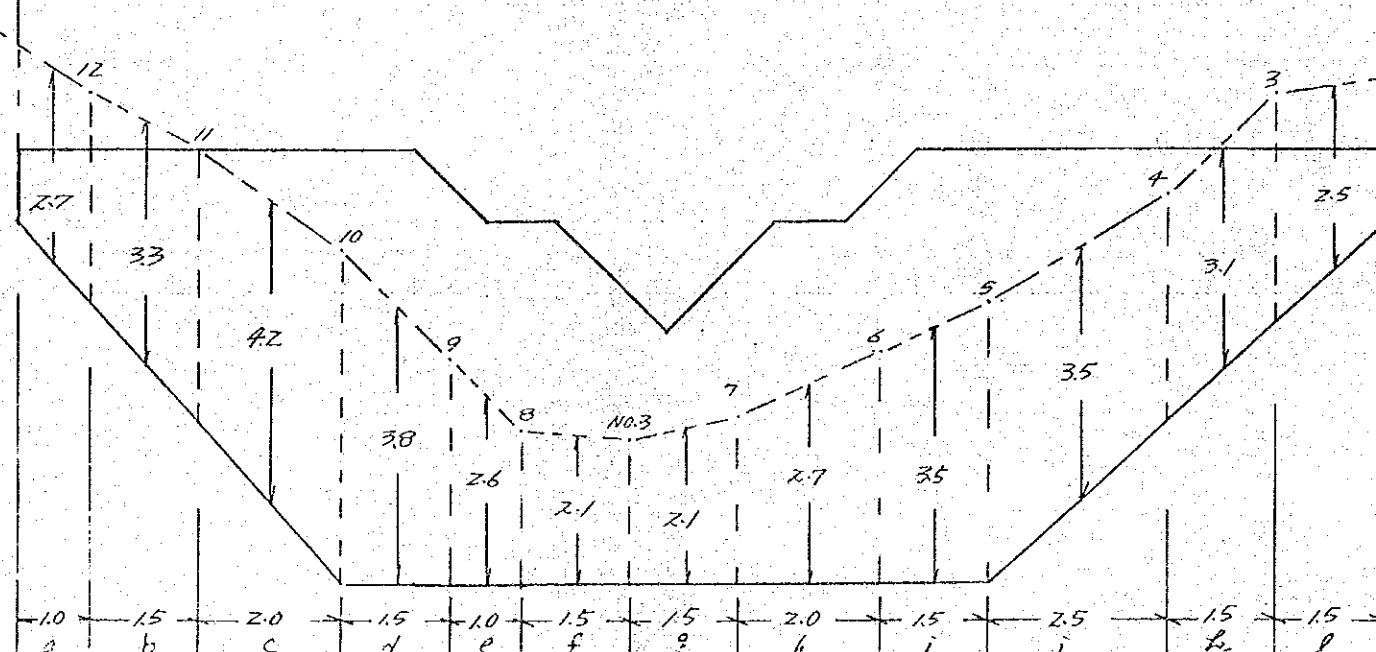
正面図
FRONT VIEW



平面図
PLANE

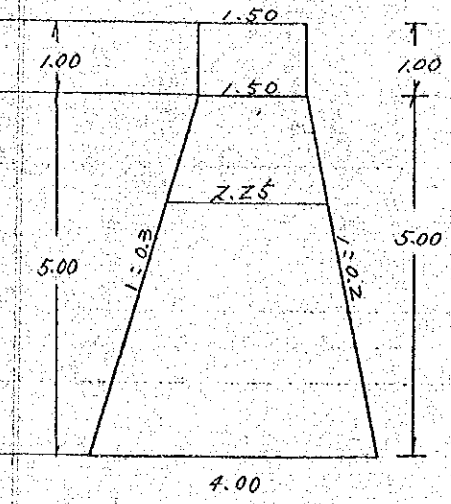


床掘図
EXCAVATION

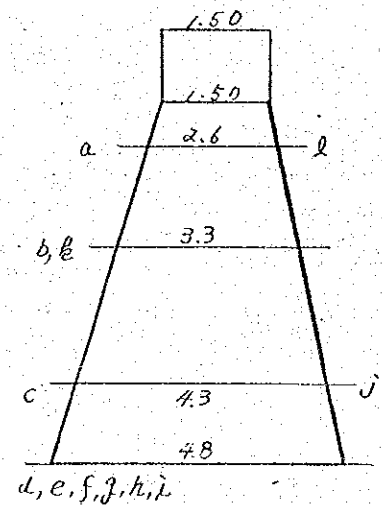


$$S = \frac{1}{100}$$

側面図
SECTION



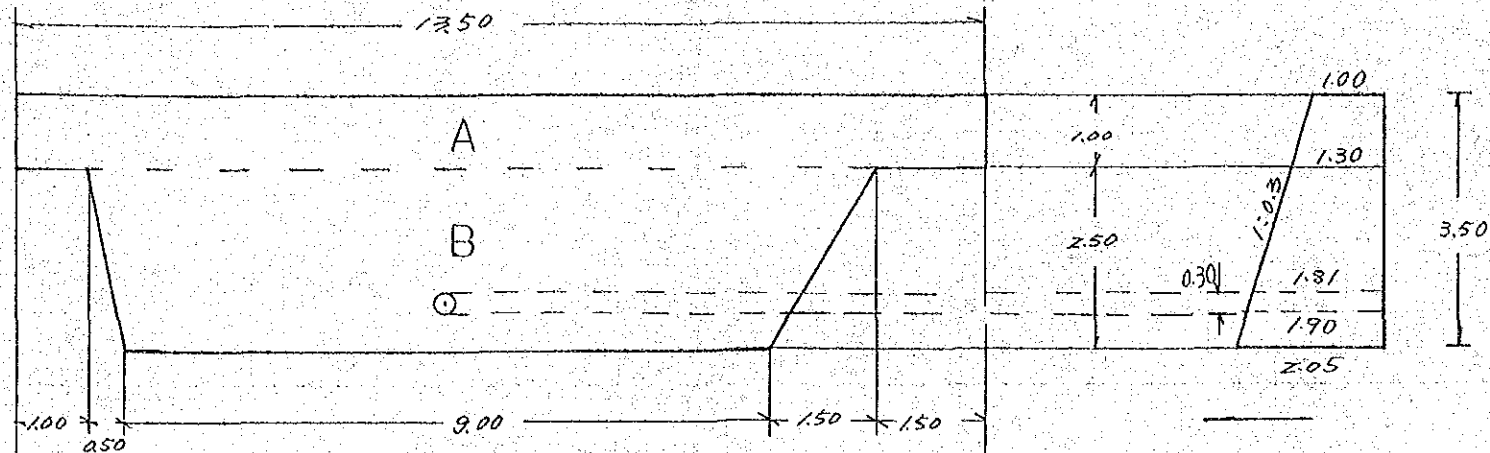
側面図
SECTION



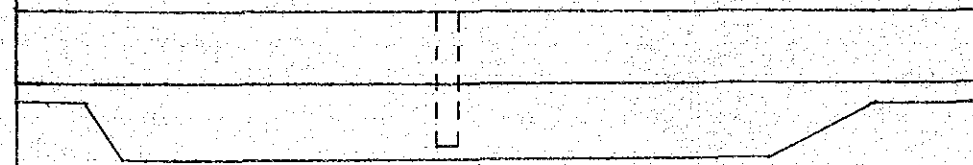
处理区(第1支流)水路带工構造図
CHANNEL SUPPORT STRUCTURE OF PROCESSED BLOCK

正面図
FRONT VIEW

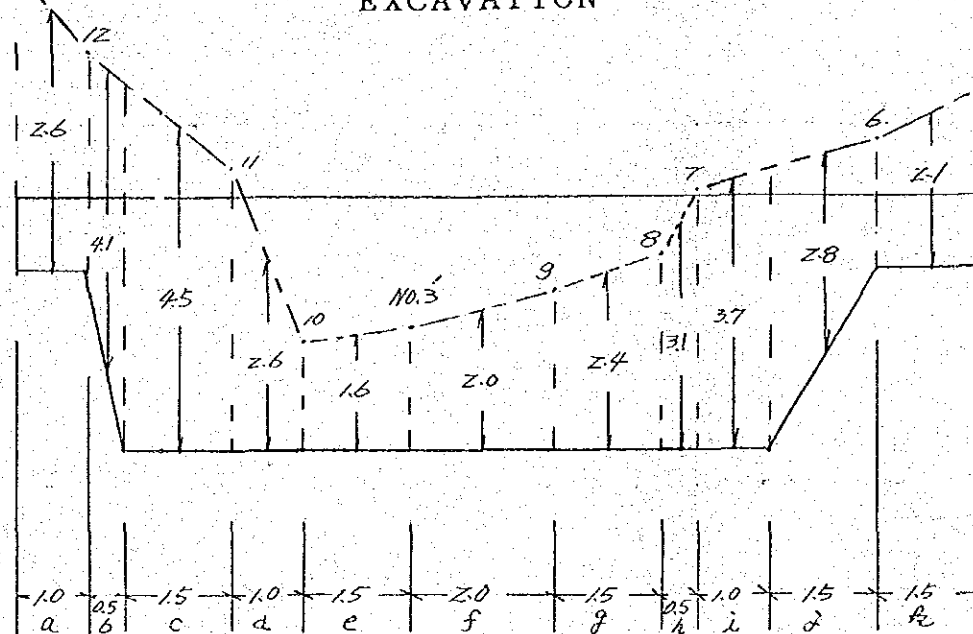
側面図
SECTION



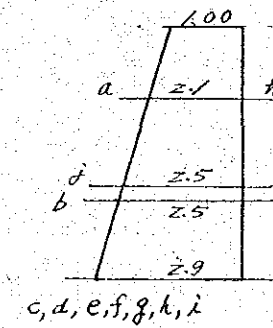
平面図
PLANE



床掘図
EXCAVATION

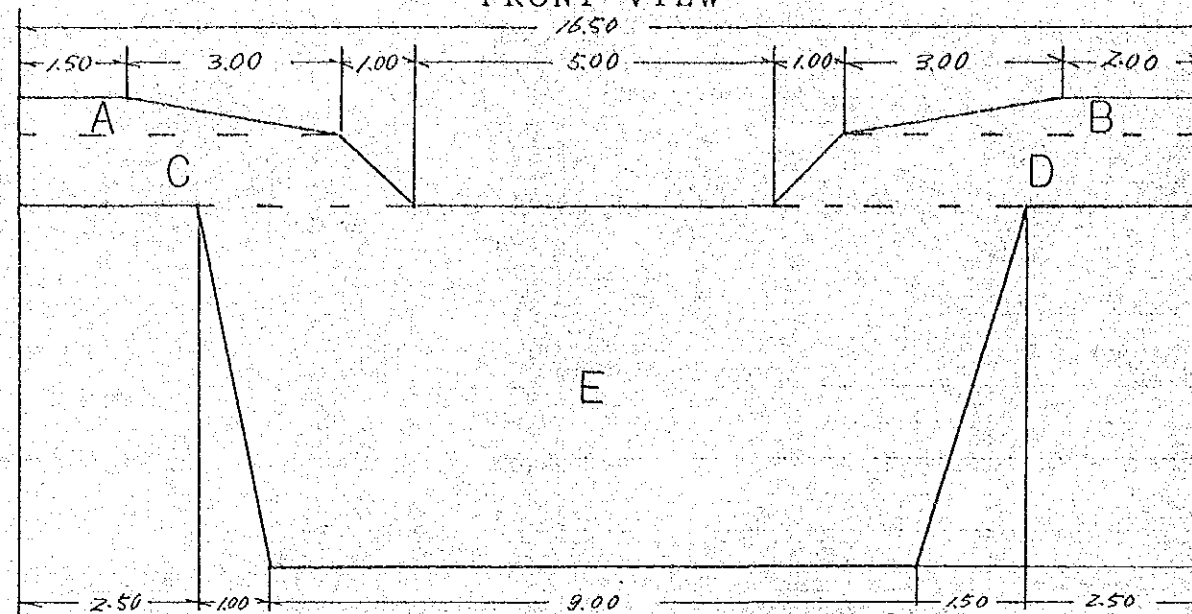


側面図
SECTION

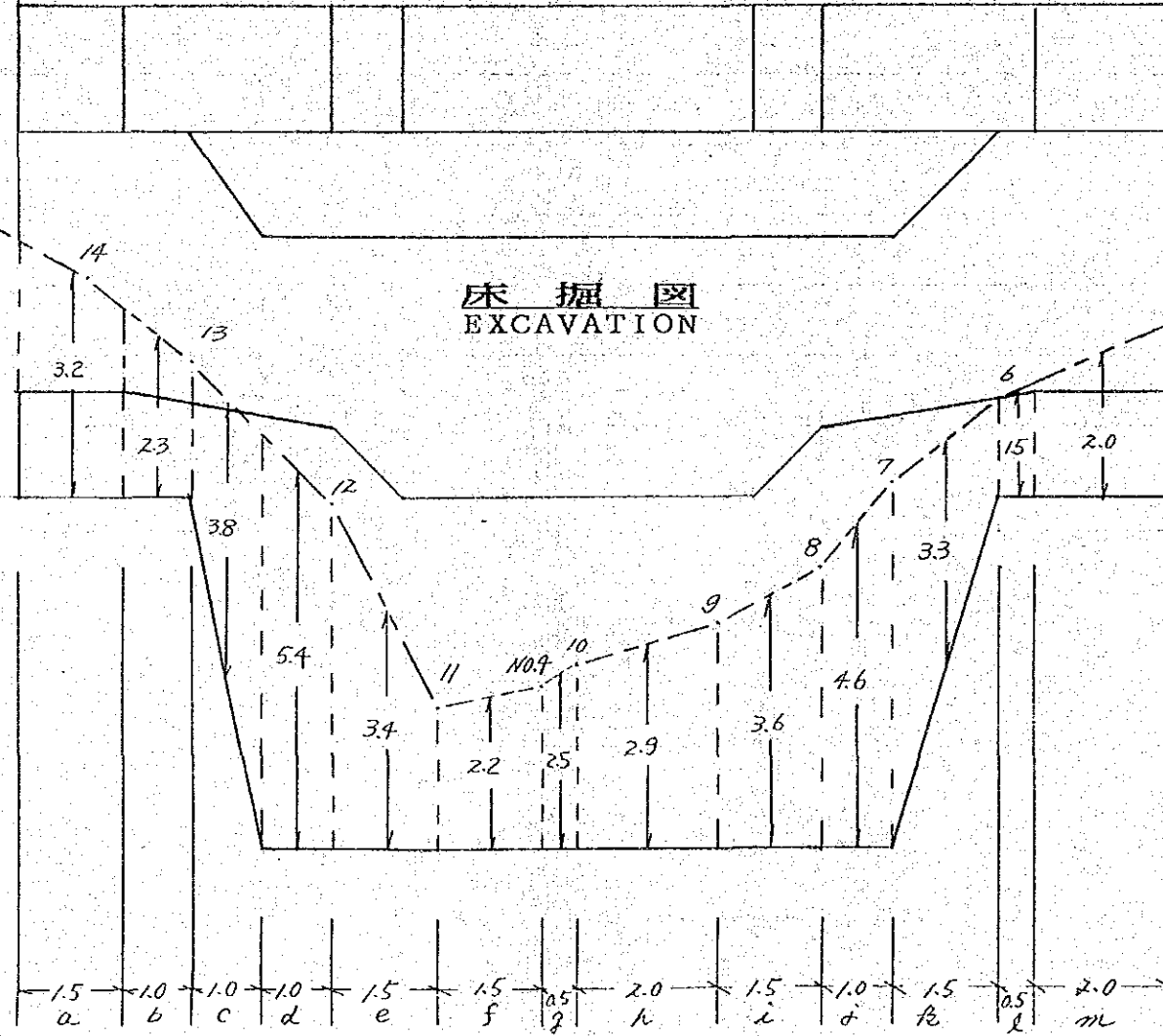


処理区 (第1支流) ダム構造図
DAM STRUCTURE OF PROCESSED BLOCK

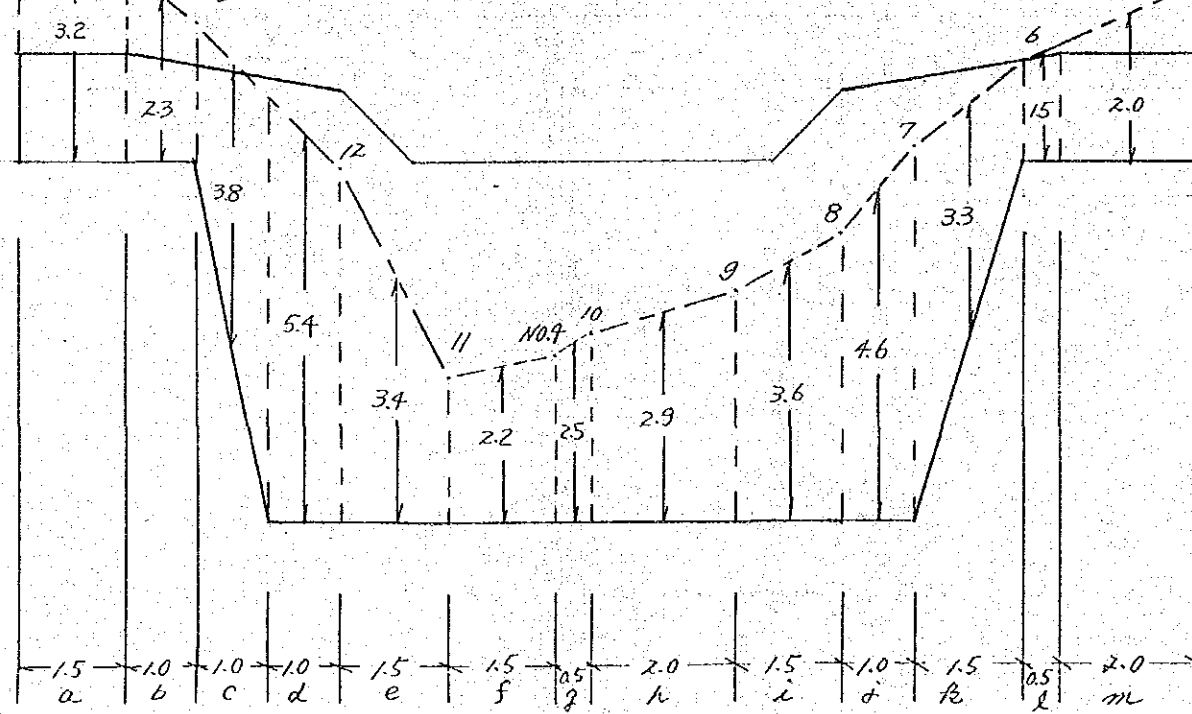
正面図
FRONT VIEW



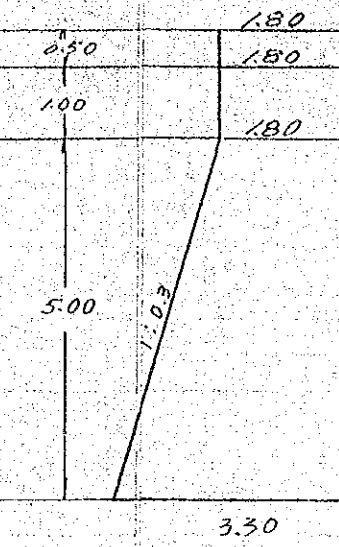
平面図
PLANE



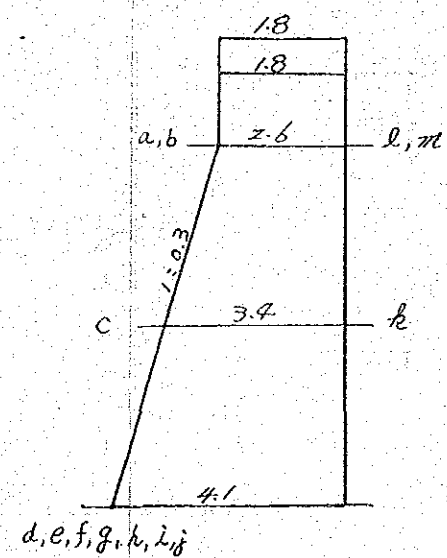
床掘図
EXCAVATION

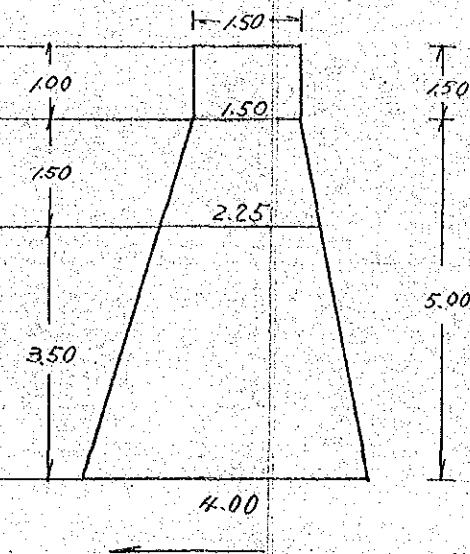
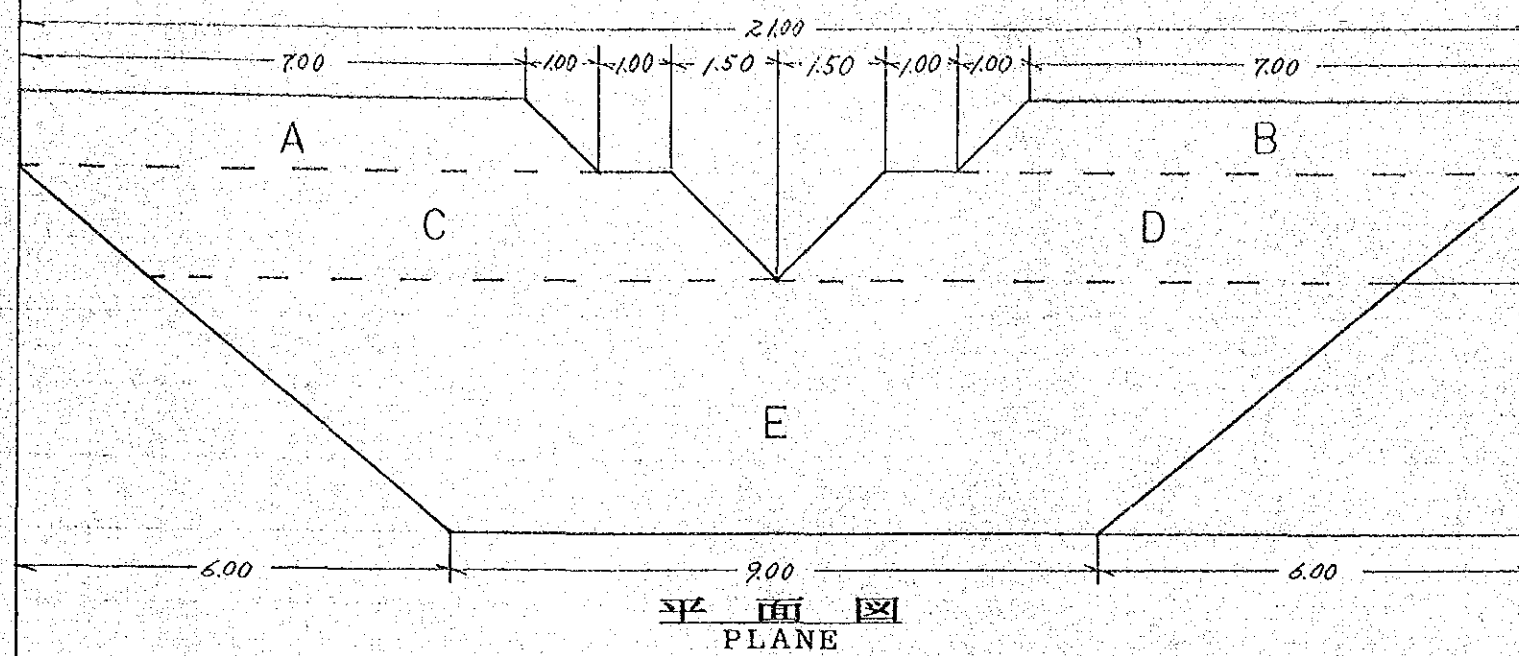


側面図
SECTION



側面図
SECTION

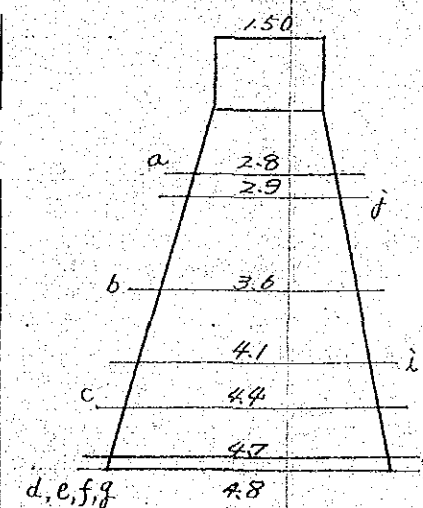




平面図
PLANE

掘削図
EXCAVATION

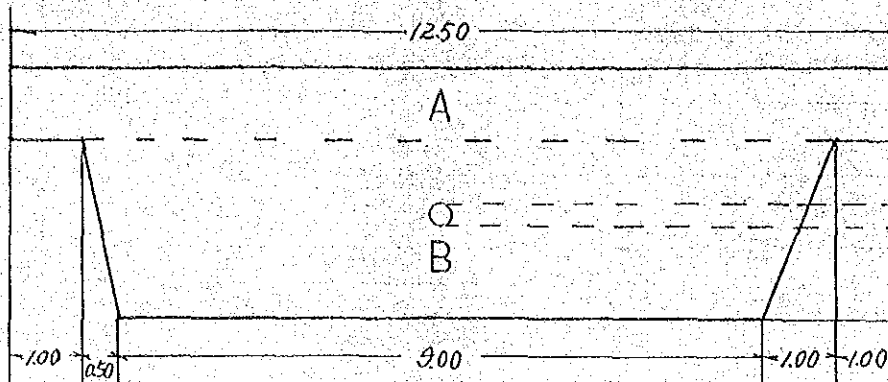
側面図
SECTION



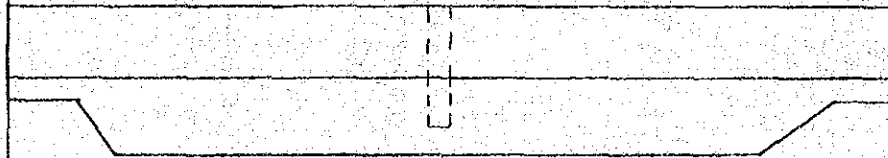
無処理区 (第2支流) 水路帶工構造図

CHANNEL SUPPORT STRUCTURE OF NON PROCESSED BLOCK

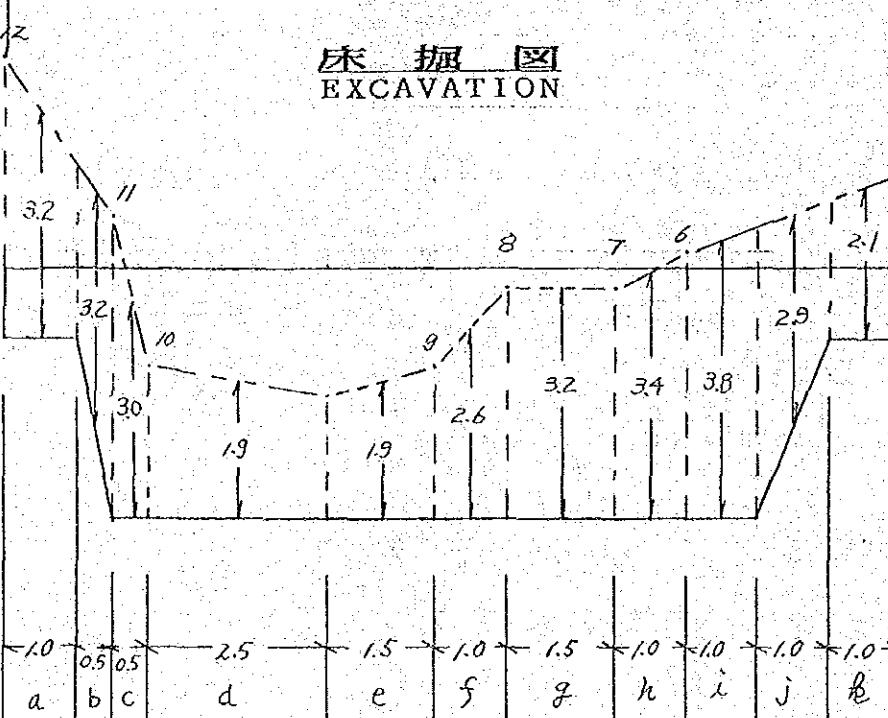
正 面 图
FRONT VIEW



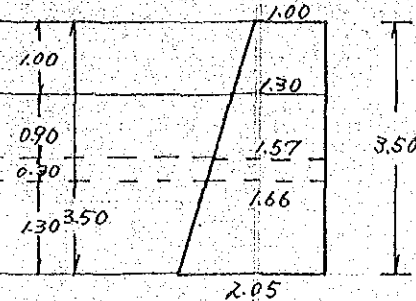
平面图
PLANE



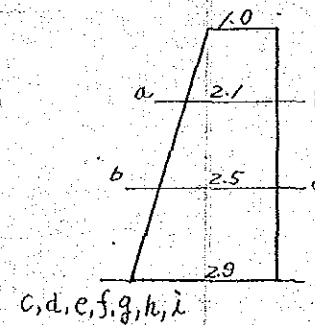
床掘図
EXCAVATION



側 面 図
SECTION



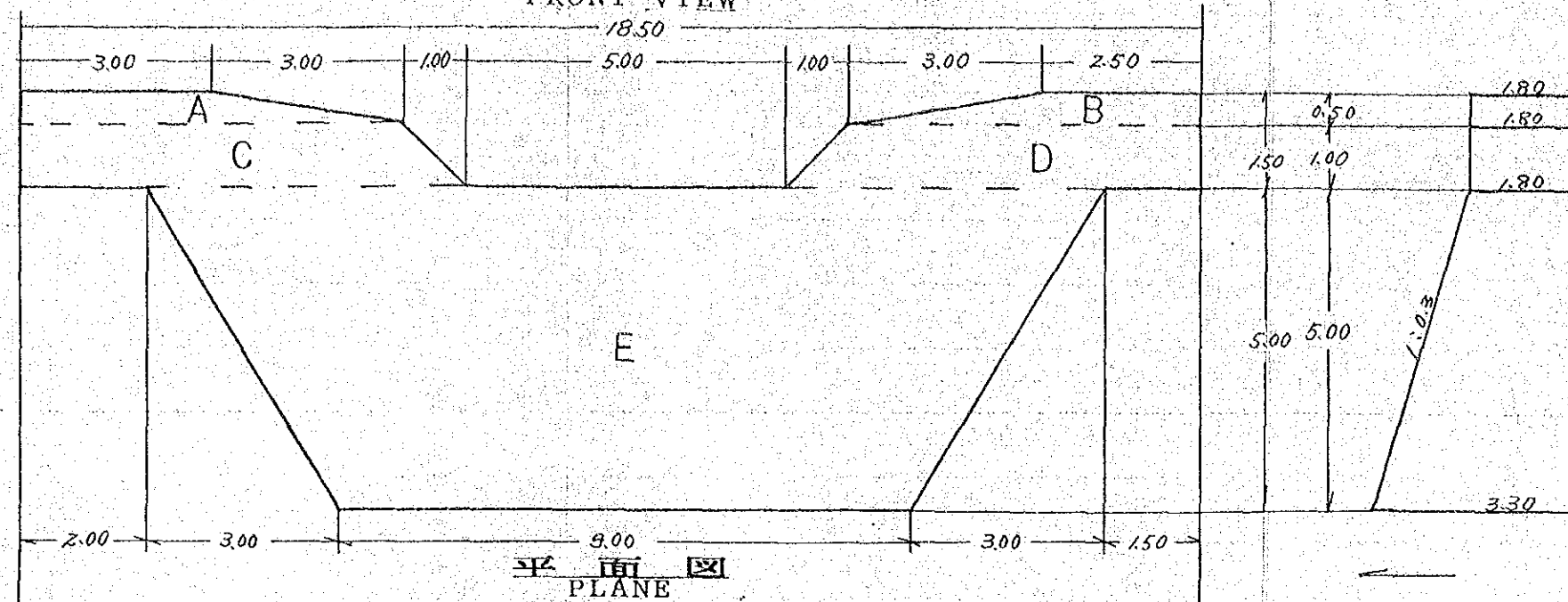
側面圖
SECTION



無処理区 (第2支流) ダム構造図
DAM STRUCTURE OF NON PROCESSED BLOCK

正面図
FRONT VIEW

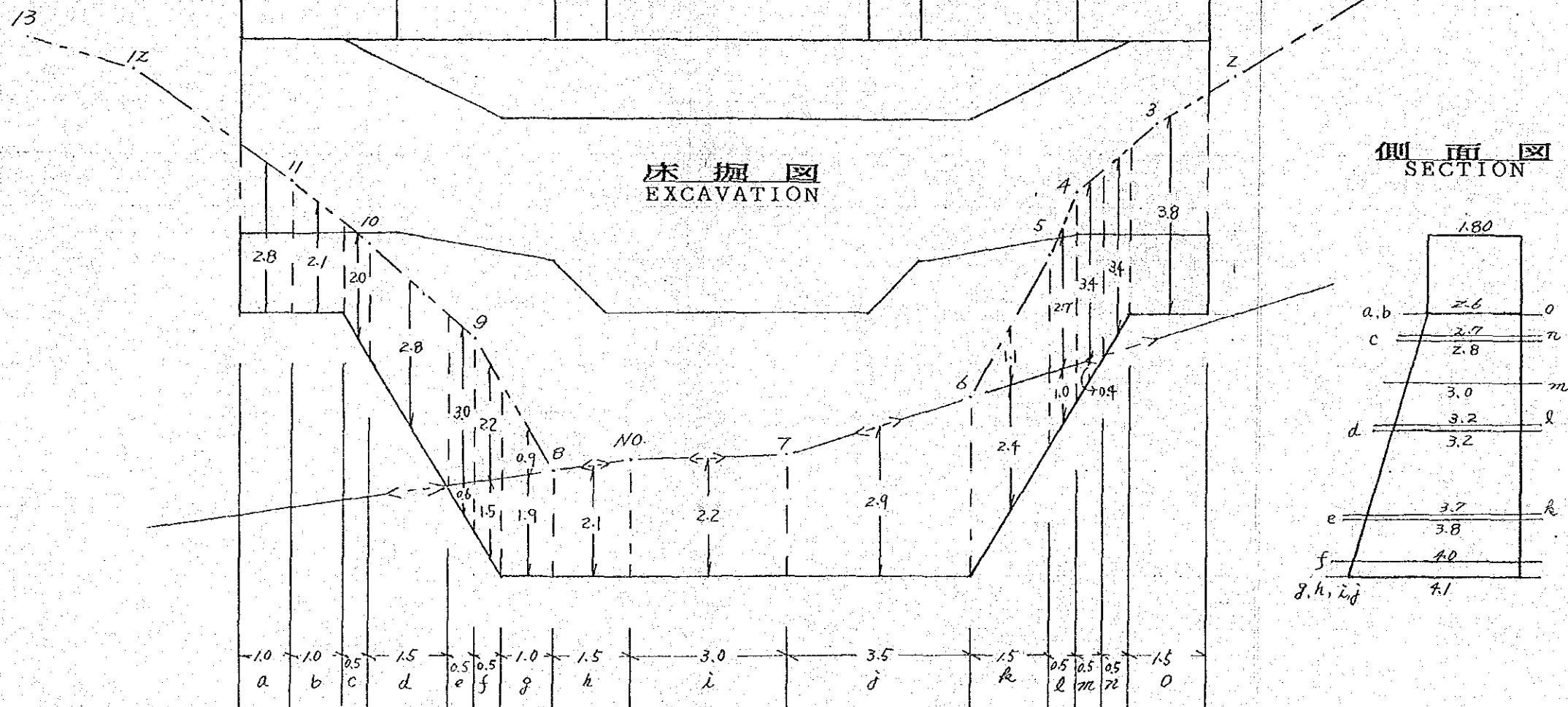
側面図
SECTION



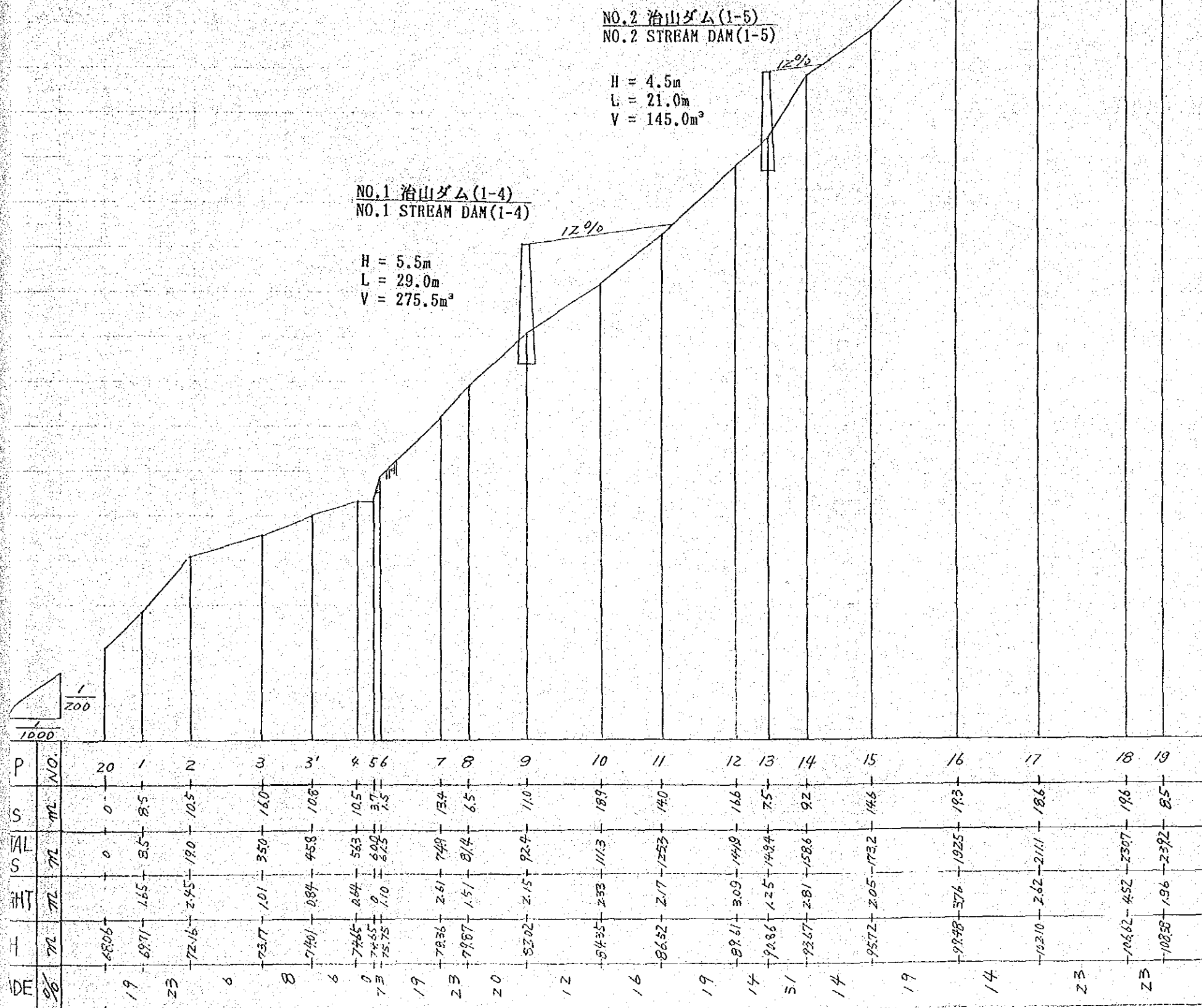
平面図
PLANE

床掘図
EXCAVATION

側面図
SECTION

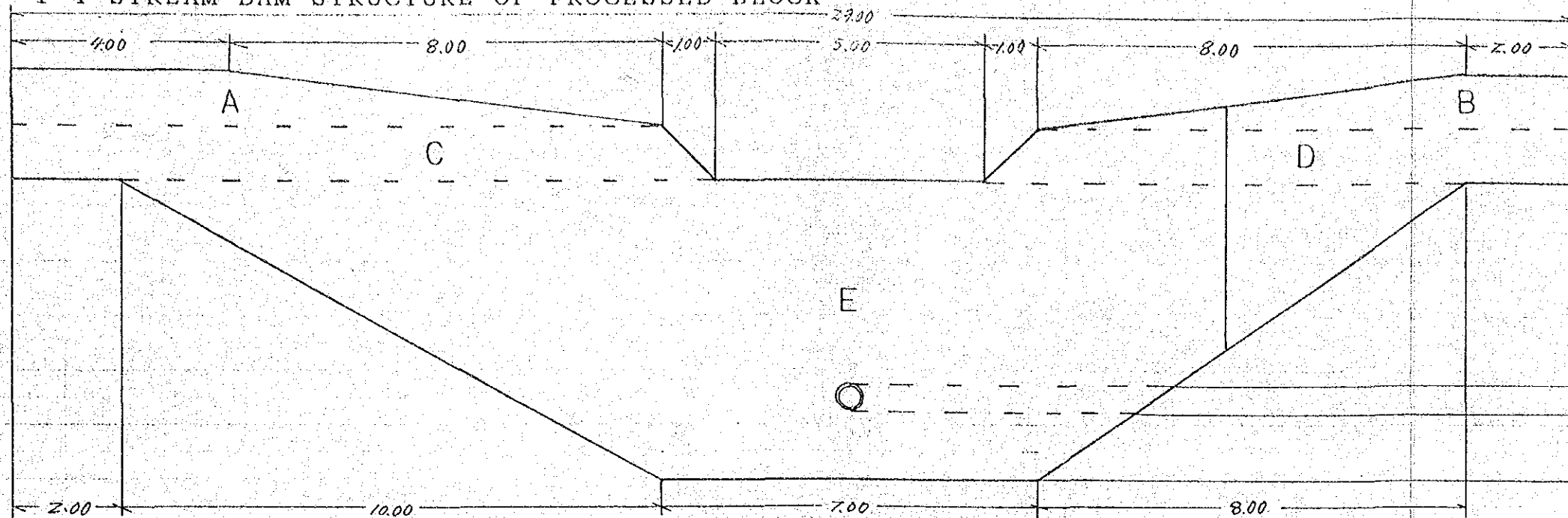


処理区（第1支流）縦断図
PROFILE OF PROCESSED BLOCK

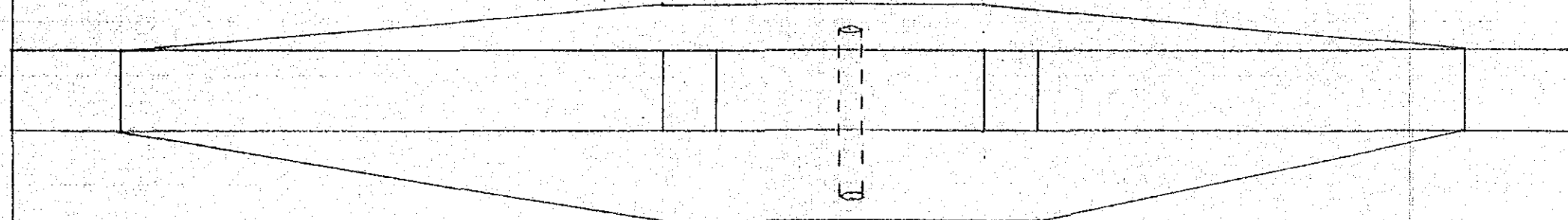


处理区(第1支流) 1-4 治山ダム構造図
1-4 STREAM DAM STRUCTURE OF PROCESSED BLOCK

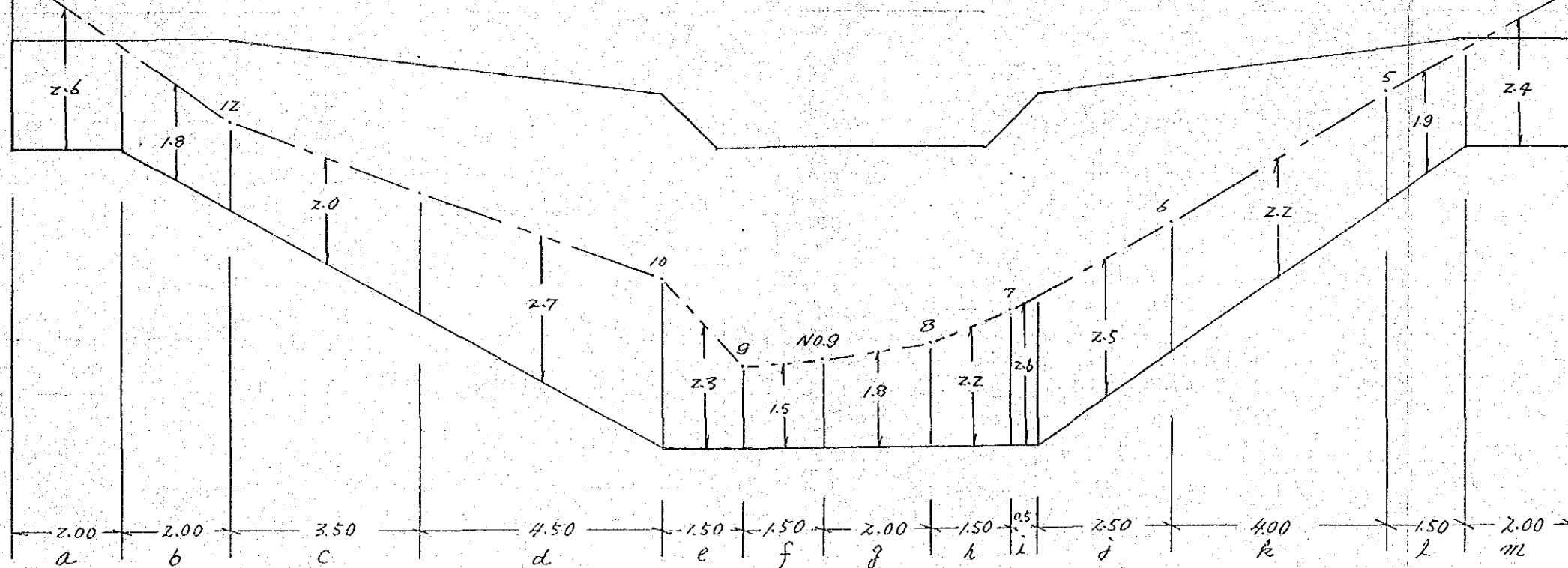
正面図
FRONT VIEW



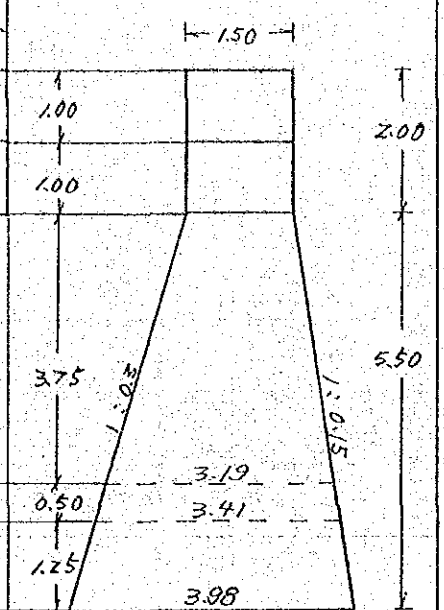
平面図
PLANE



床掘図
EXCAVATION

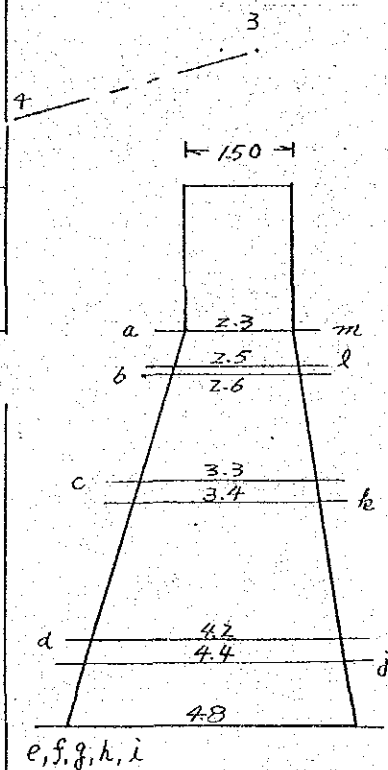


側面図
SECTION



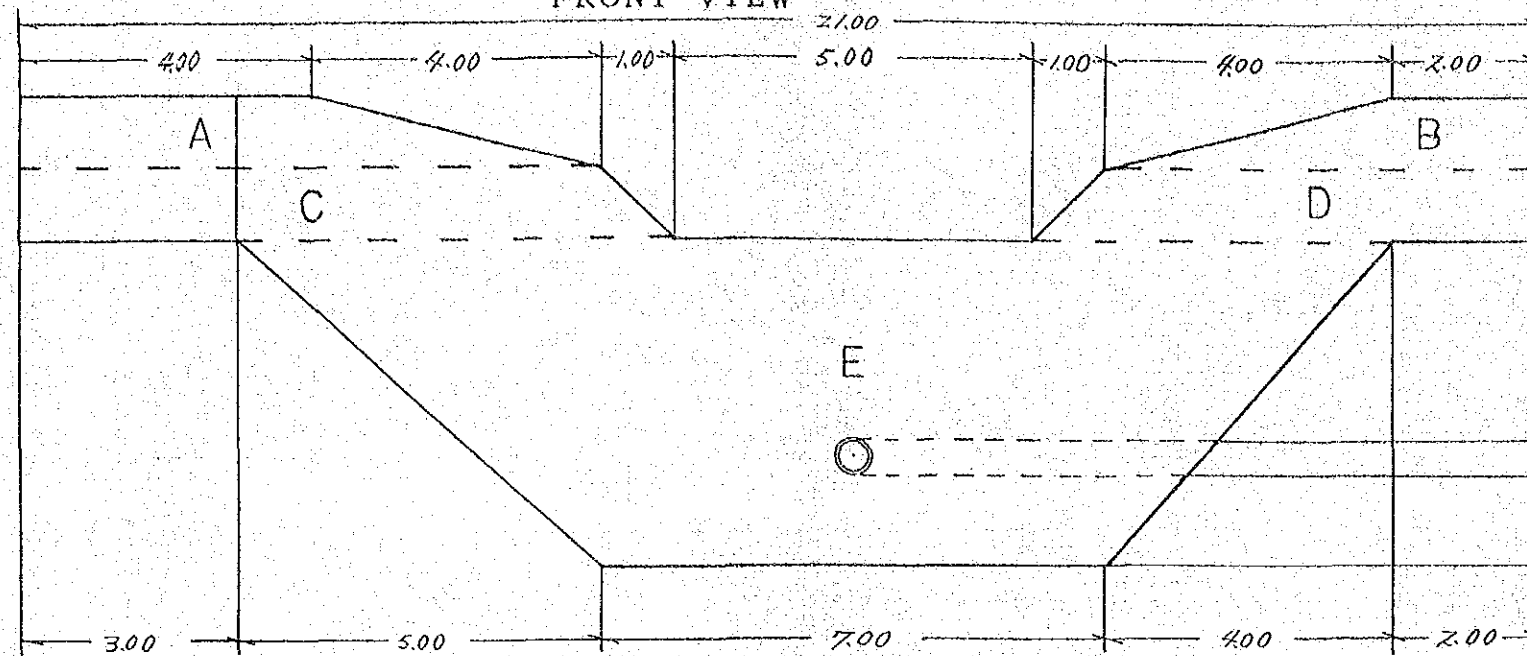
Ⅲ型
H=5.5
h=1.0
b=1.5
m=0.15
B=3.98
A=15.06

側面図
SECTION

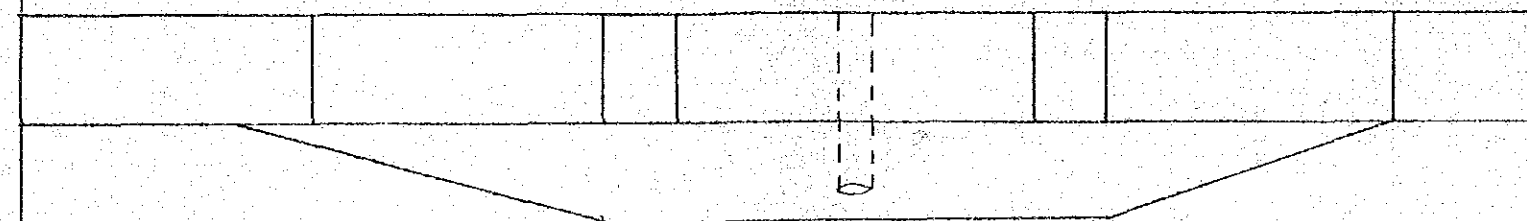


処理区(第1支流) 1-5 治山ダム構造図
1-5 STREAM DAM STRUCTURE OF PROCESSED BLOCK

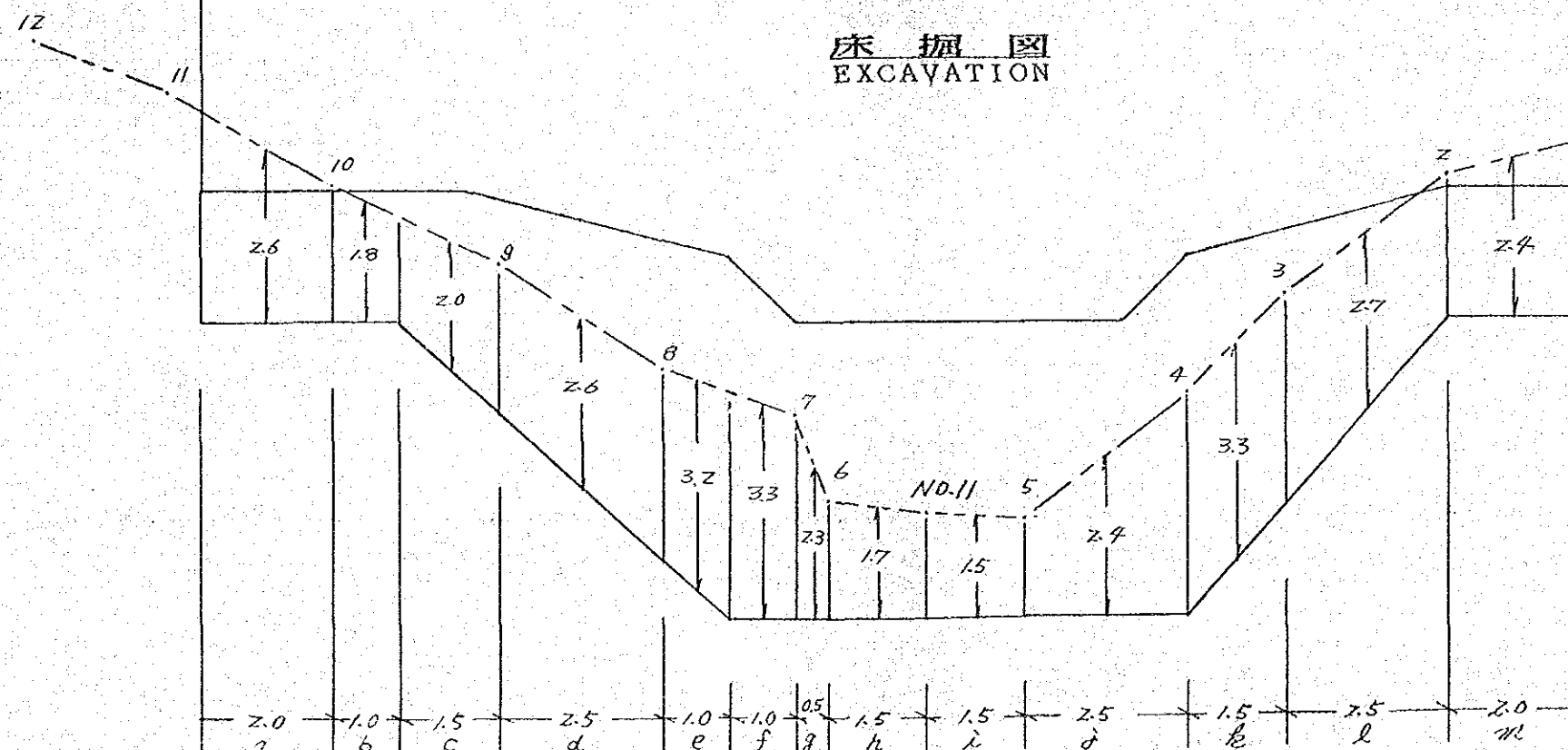
正面図
FRONT VIEW



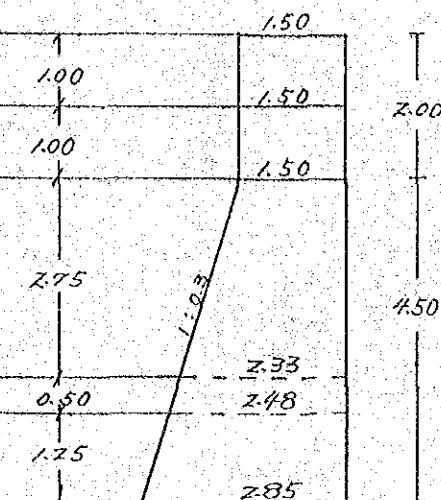
平面図
PLANE



床掘図
EXCAVATION



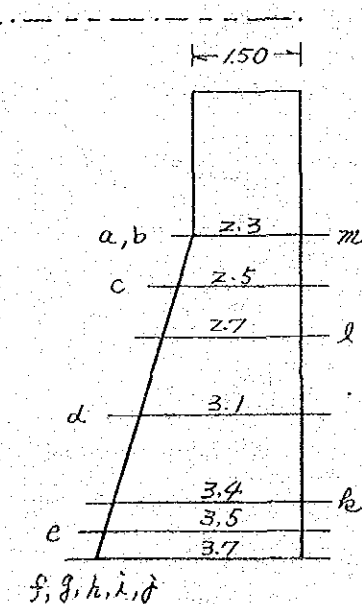
側面図
SECTION



IV型

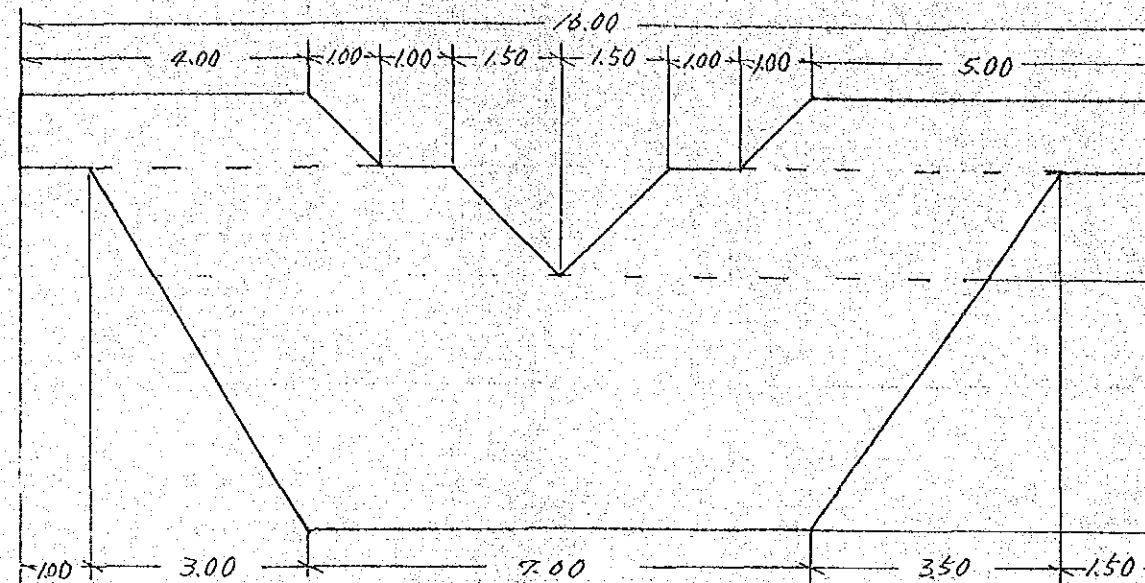
$H = 4.5 \text{ m}$
 $h' = 1.0 \text{ m}$
 $b = 1.5 \text{ m}$
 $m = 0.3$
 $n = 0$
 $B = 2.85 \text{ m}$
 $A = 9.79 \text{ m}^2$

側面図
SECTION

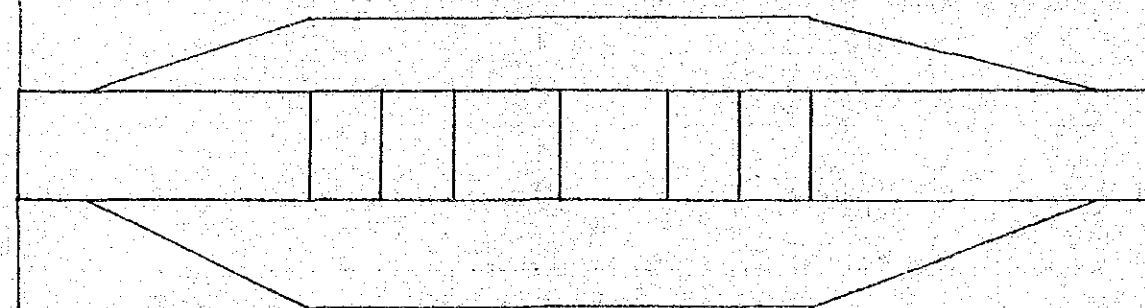


森林区量水坝构造图 GAUGINGDAM OF FOREST BLOCK

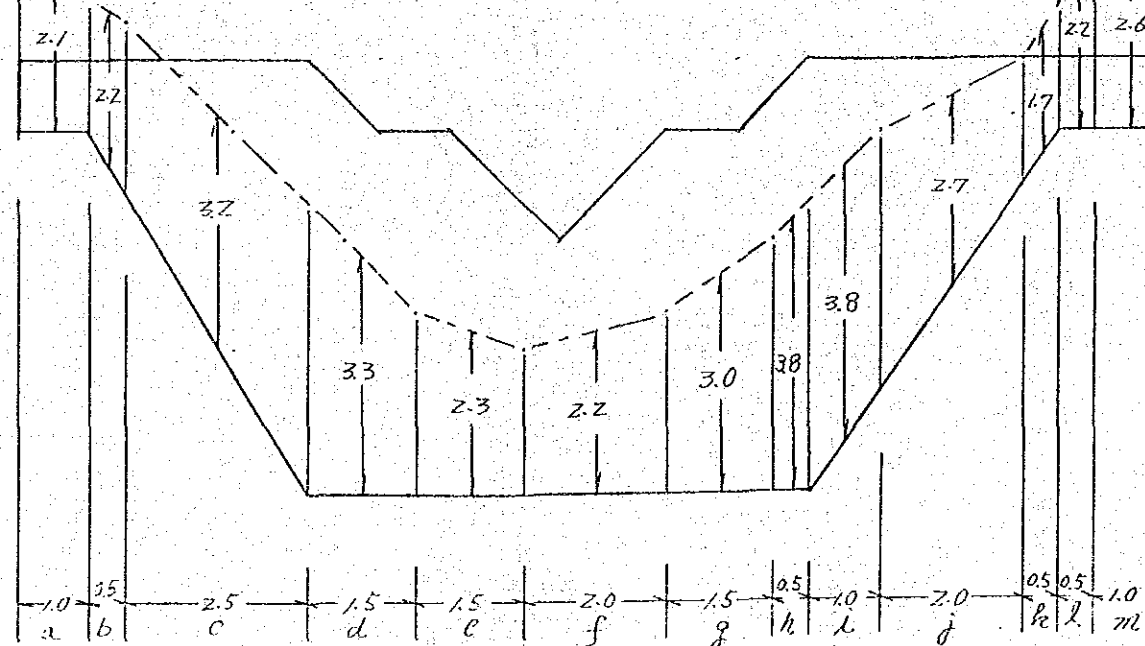
正面图
FRONT VIEW



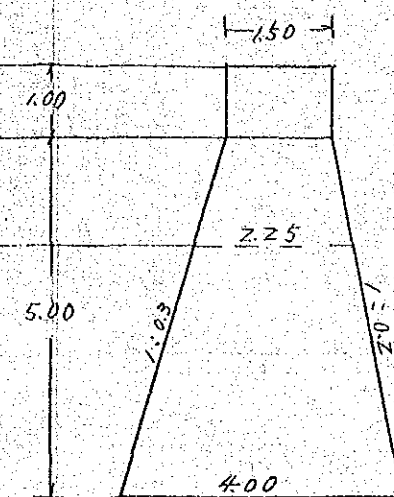
平面图
PLANE



床掘图
EXCAVATION



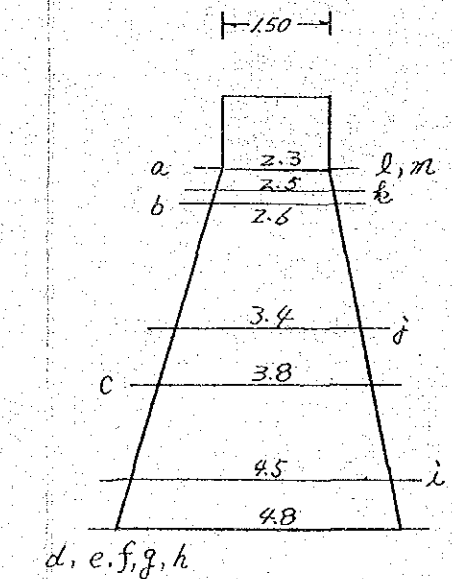
侧面图
SECTION



II 型

$H = 5.0m$
 $h' = 1.0m$
 $b = 1.5m$
 $m = 0.3$
 $n = 0.2$
 $B = 4.0m$
 $A = 13.5m$

侧面图
SECTION

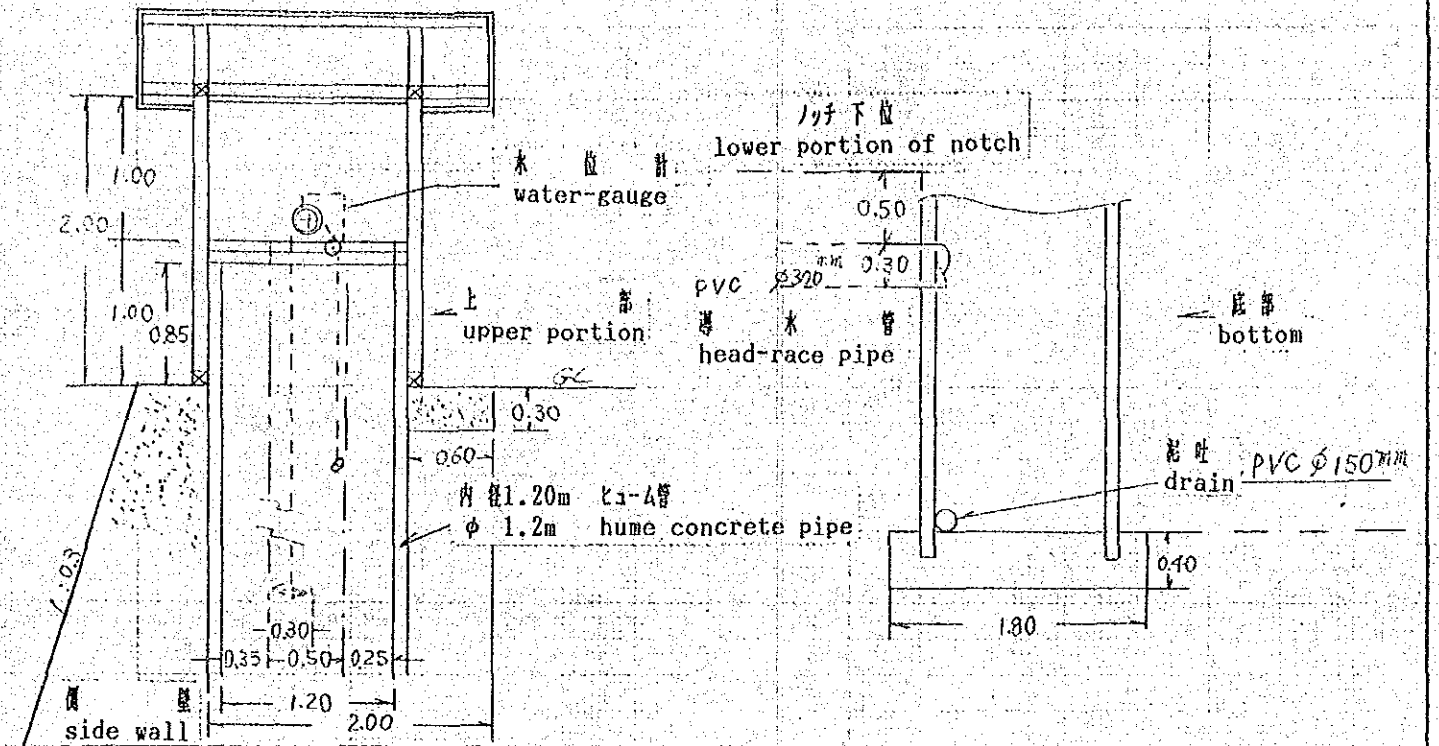
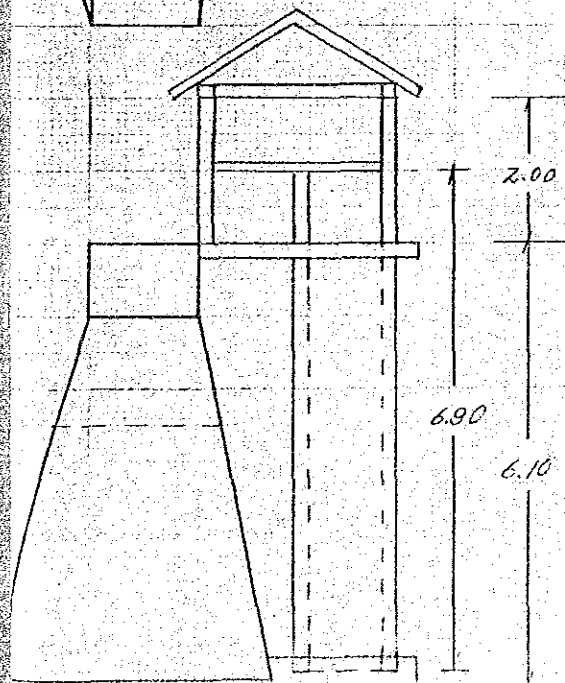
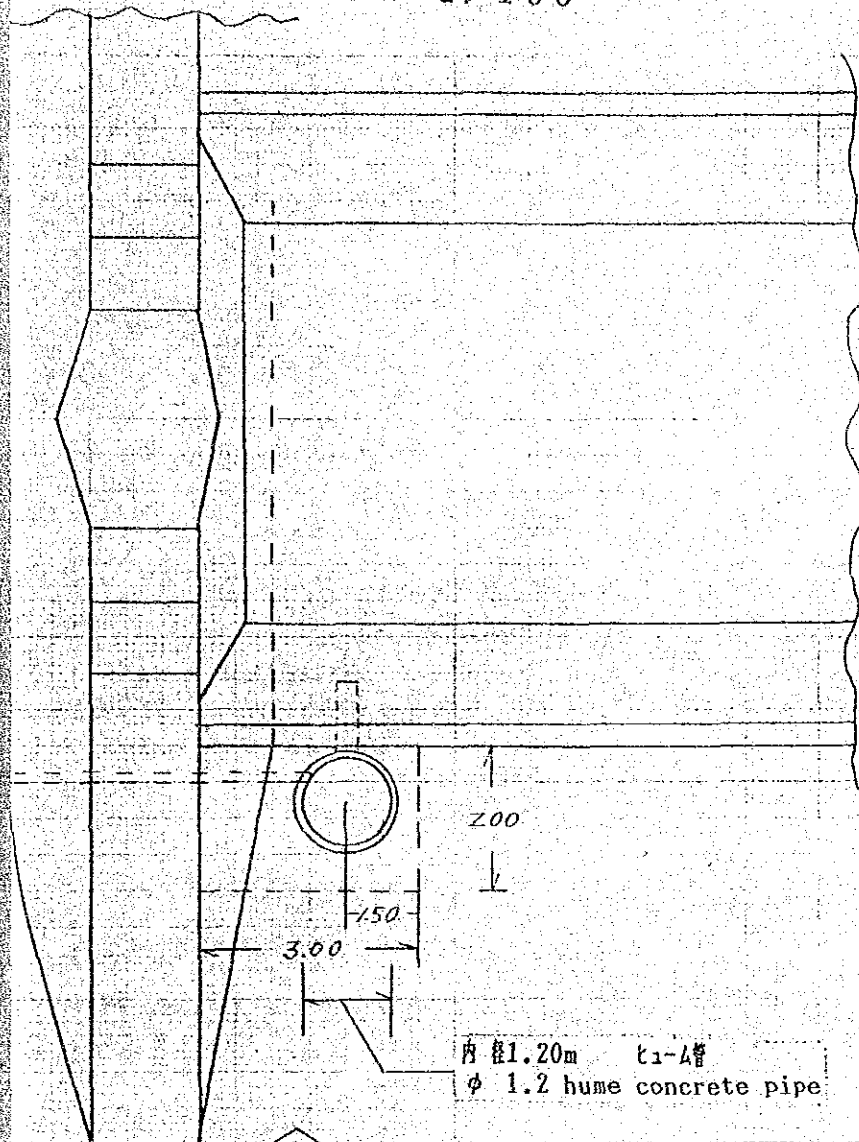


量水施設詳細図
DETAIL OF GAUGING FACILITIES

水位観測室
GAUGING ROOM

S=1/100

S=1/50

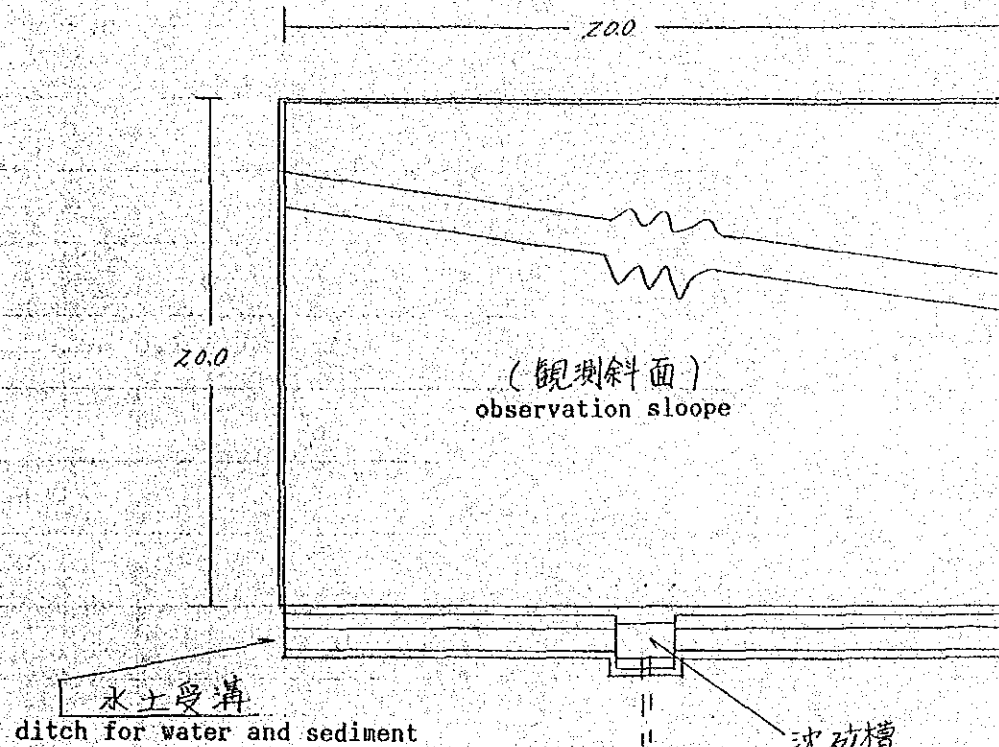


平面図
PLANE

ライシメーター設計図

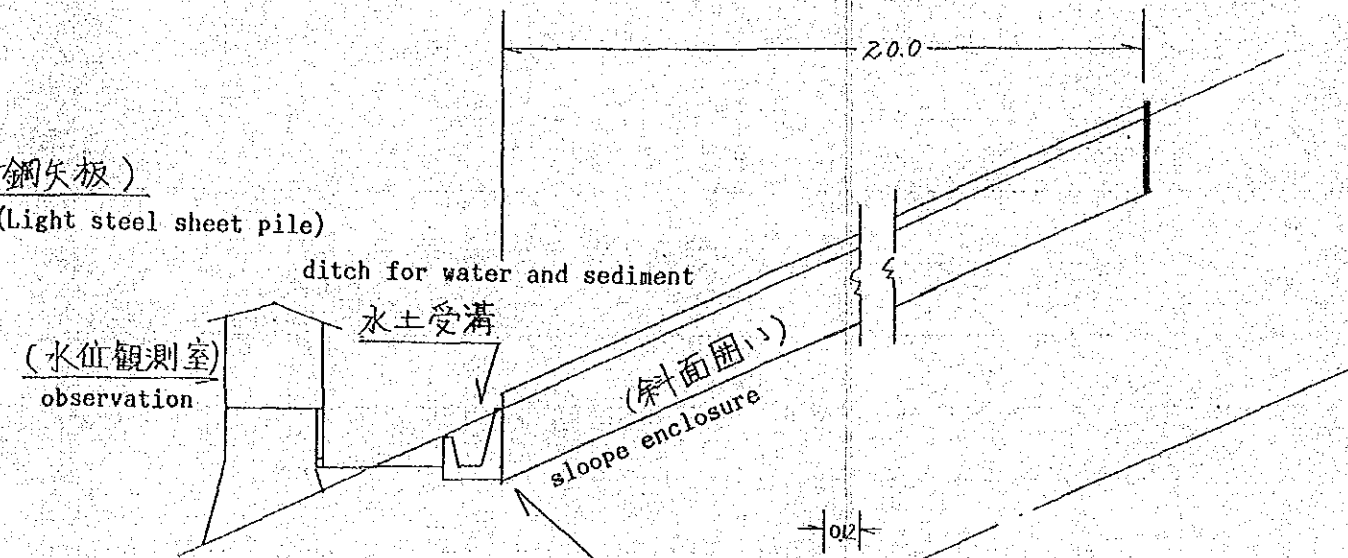
LYSIMETER DRAWING

$$S = \frac{1}{200}$$



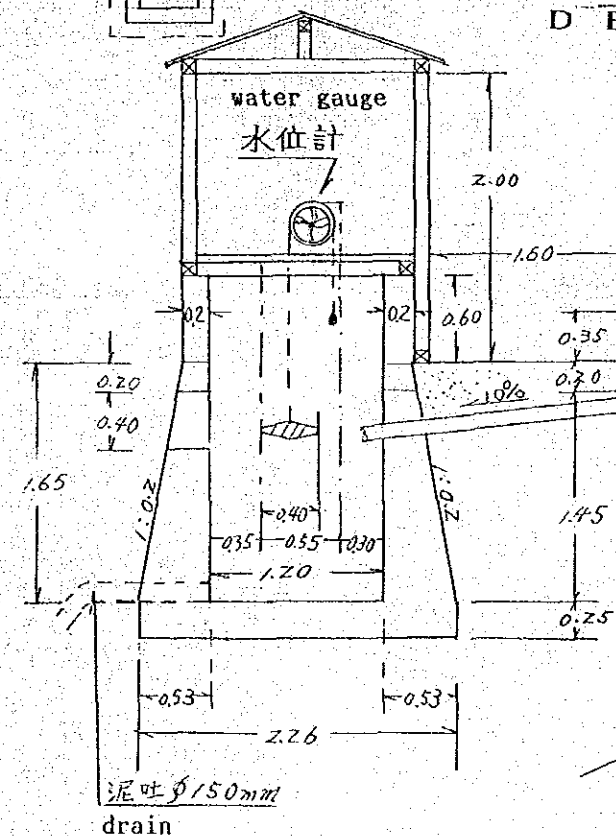
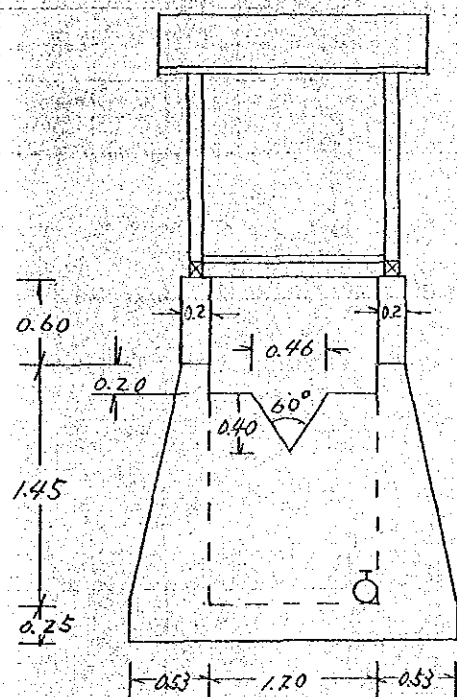
斜面囲い (軽量鋼矢板)
sloope enclosure (Light steel sheet pile)

側面図
SECTION



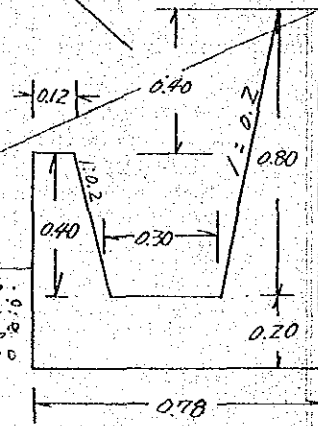
詳細図
DETAIL

$$S = \frac{1}{50}$$

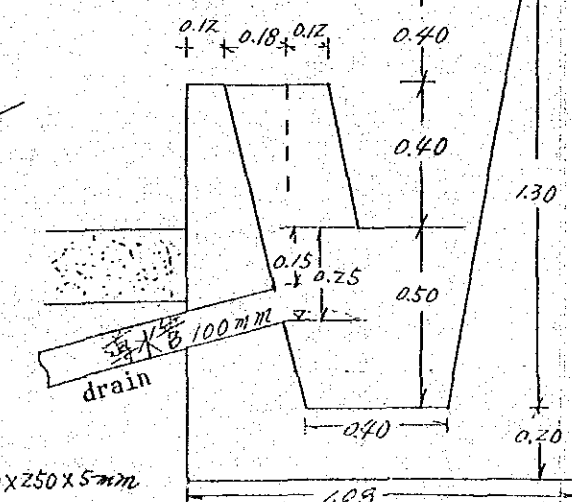


(Light steel sheet pile)

軽量鋼矢板 1000×250×5mm



$$S = \frac{1}{20}$$



$$S = \frac{1}{20}$$