

102 17
88 16/17

インドネシア国南スラウェシ
治山計画モデルインフラ整備
事業実施設計調査図面集
(量水施設、治山ダム等)
図面集 ー 1

平成元年 1 月

国際協力事業団

林開発
JR
89-1

国際協力事業団

20752

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JICA LIBRARY













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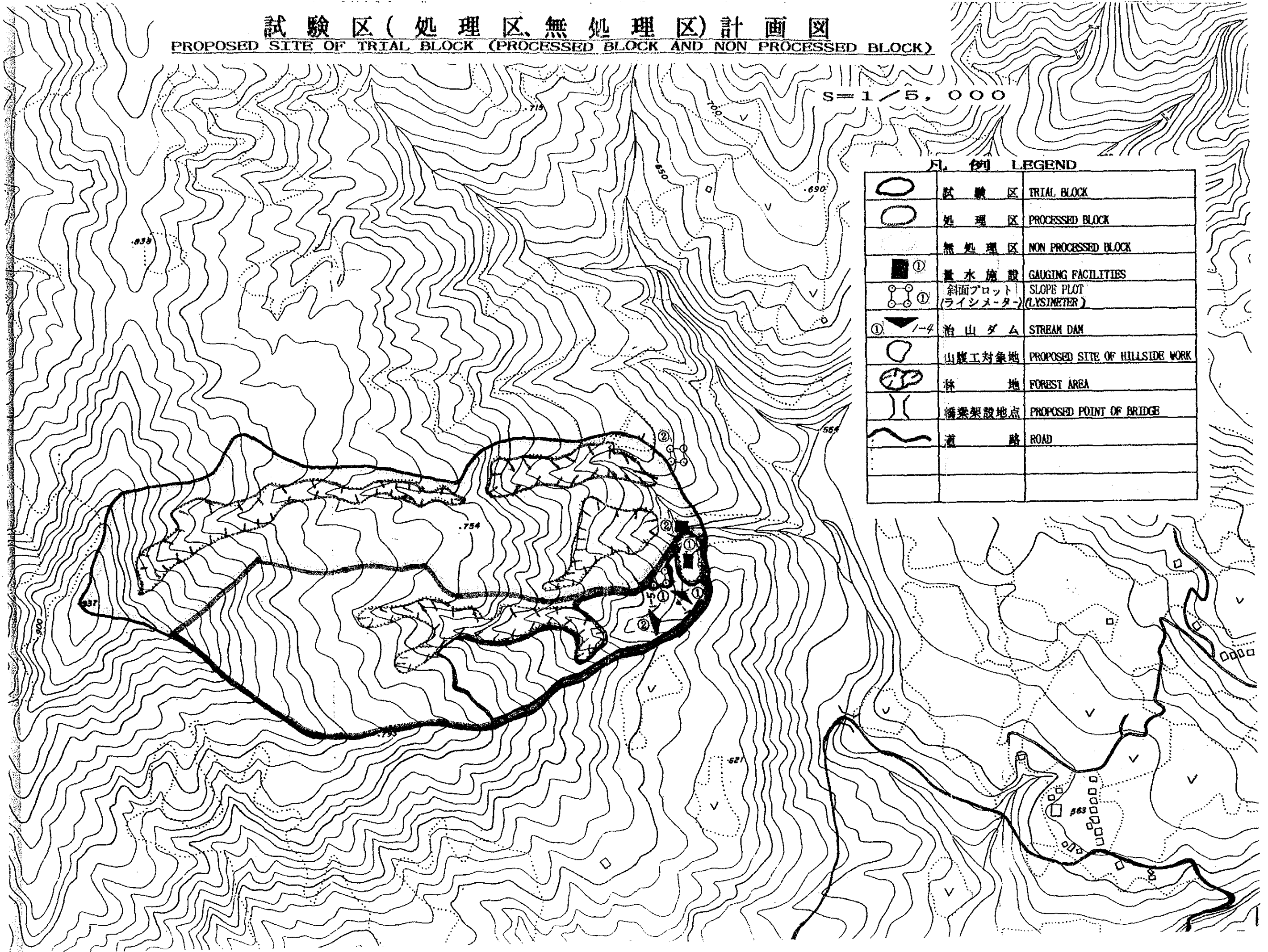
20752

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



量水・治山・その他計画図

PLAN OF GAUGING
EROSION AND OTHERS

SCALE=1/36,000

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

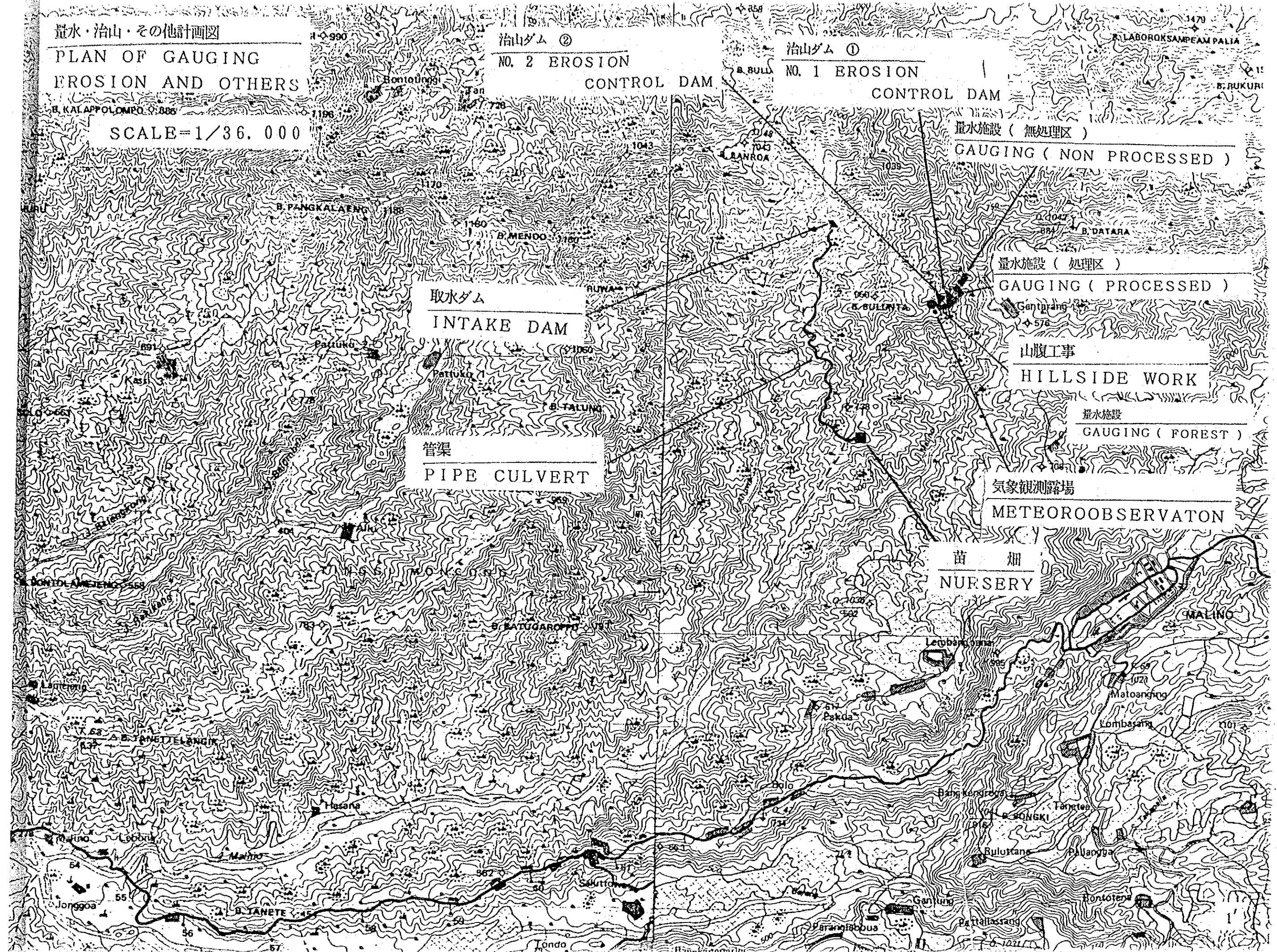
METEOROBSERVATION

苗畑

NURSERY

取水ダム
INTAKE DAM

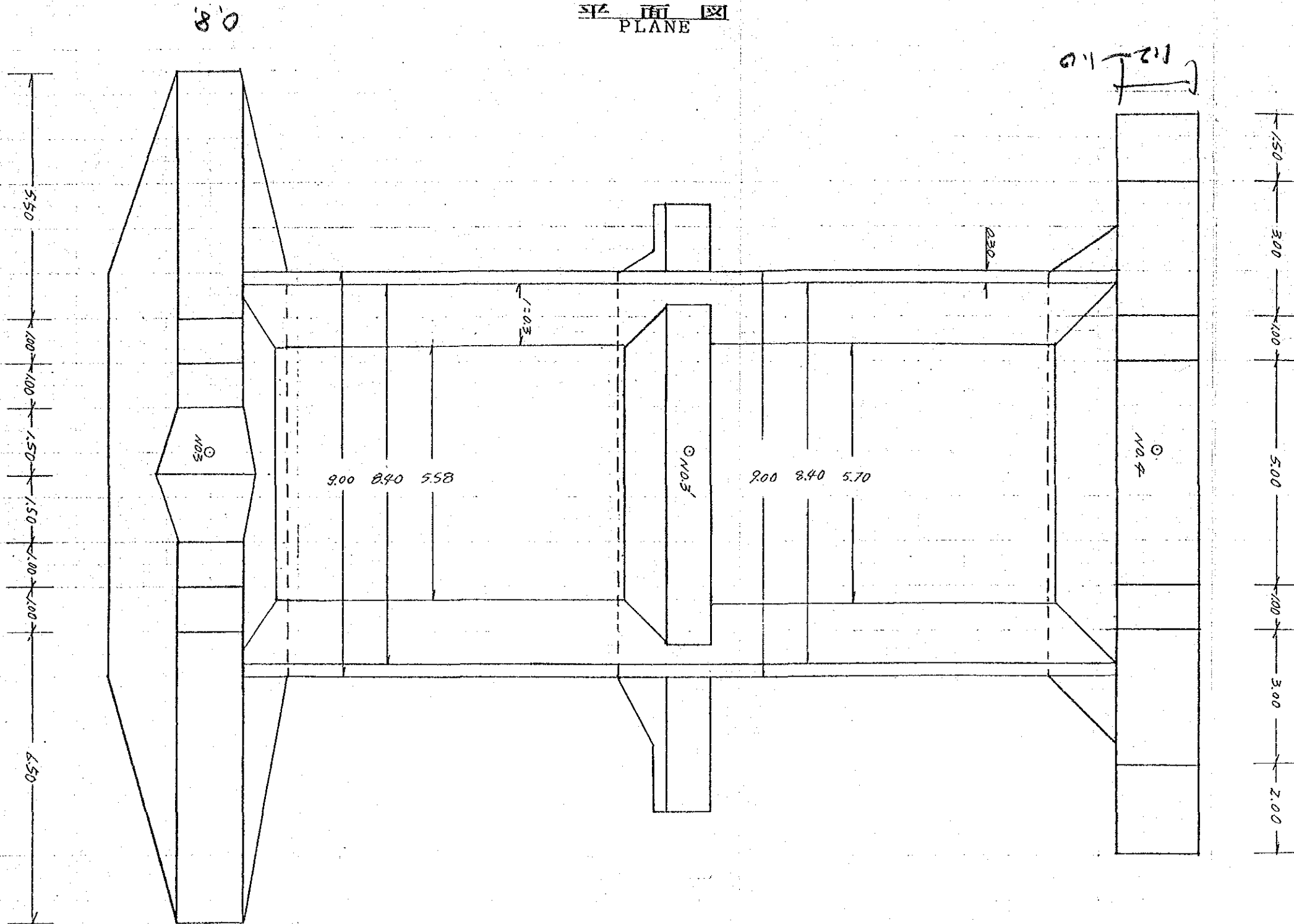
管渠
PIPE CULVERT



处理区 (第1支流) 量水设施连接图
 GAUGING FACILITIES CONNECTION OF PROCESSED BLOCK

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

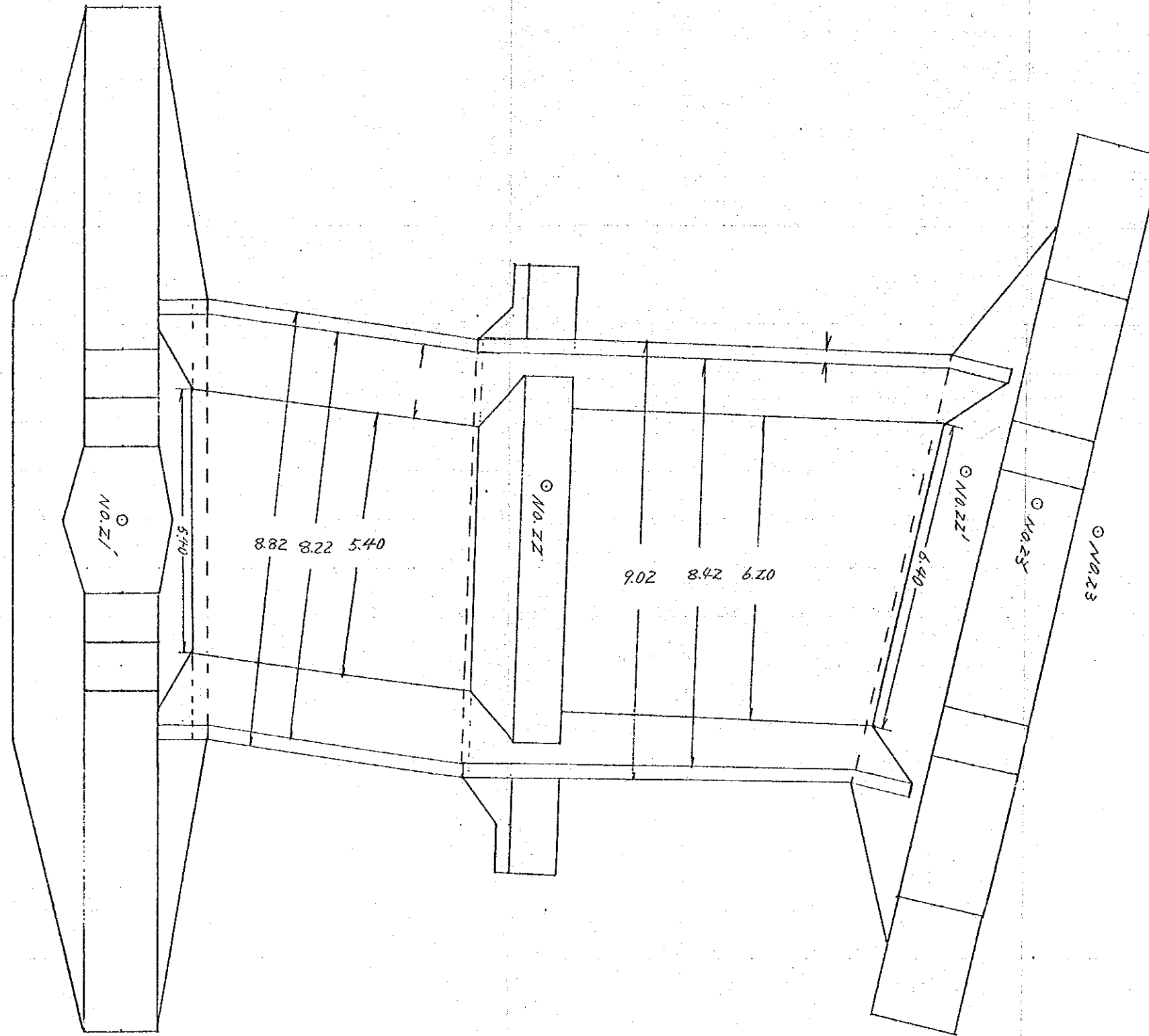
平面图
 PLANE



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

平面図
PLANE

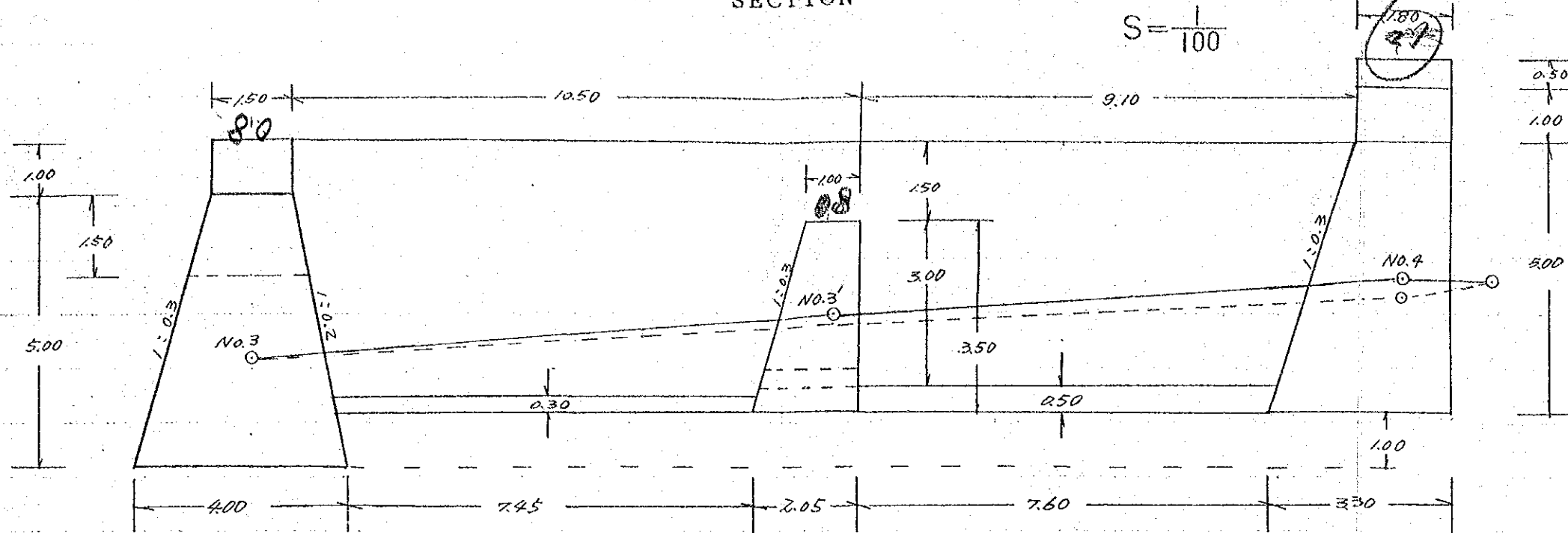
$$S = \frac{1}{100}$$



处理区 (第1支流) 量水设施连接图
 GAUGING FACILITIES CONNECTION OF PROCESSED BLOCK

侧面图
 SECTION

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



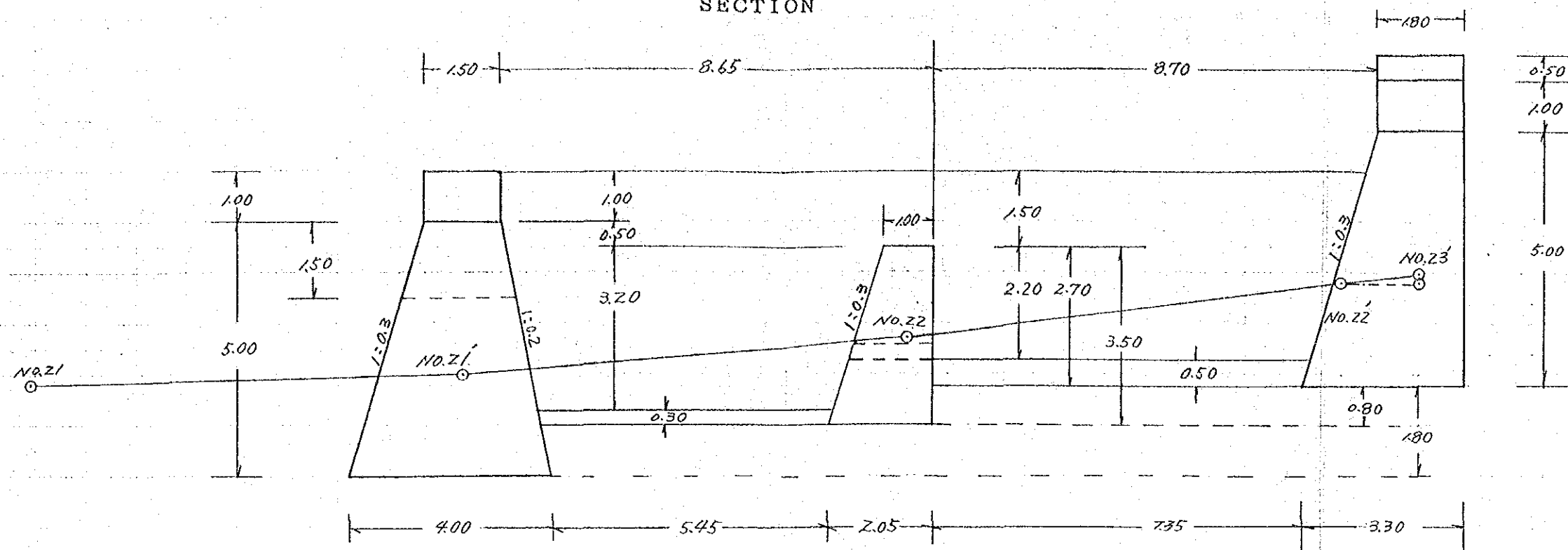
II 型
 $H = 5.0 \text{ m}$
 $h' = 1.0 \text{ m}$
 $b = 1.5 \text{ m}$
 $m = 0.2$
 $n = 0.3$
 $B = 4.0 \text{ m}$
 $A = 13.75 \text{ m}^2$

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

III 型
 $H = 5.0 \text{ m}$
 $h' = 1.0 \text{ m}$
 $b = 1.8 \text{ m}$
 $m = 0$
 $n = 0.3$
 $B = 3.3 \text{ m}$
 $A = 12.75 \text{ m}^2$

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



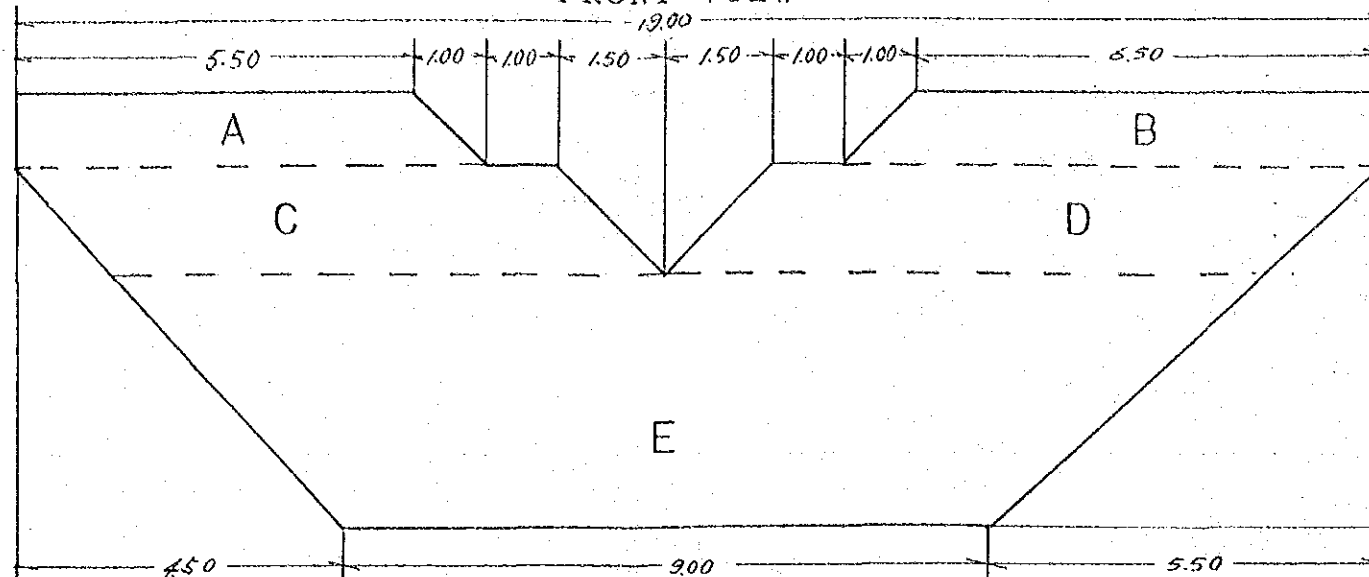
II 型
 $H = 5.0 \text{ m}$
 $h' = 1.0 \text{ m}$
 $b = 1.5 \text{ m}$
 $m = 0.2$
 $n = 0.3$
 $B = 4.0 \text{ m}$
 $A = 13.75 \text{ m}^2$

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

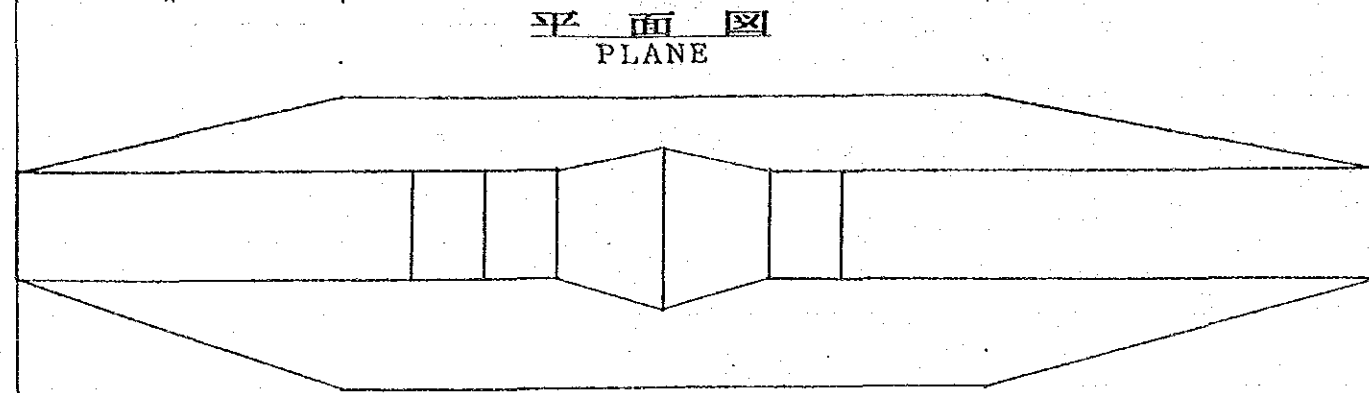
III 型
 $H = 5.0 \text{ m}$
 $b = 1.8 \text{ m}$
 $m = 0$
 $n = 0.3$
 $B = 3.3 \text{ m}$
 $A = 12.75 \text{ m}^2$

处理区 (第1支流) 量水大坝构造图
GAUGING DAM STRUCTURE OF PROCESSED BLOCK

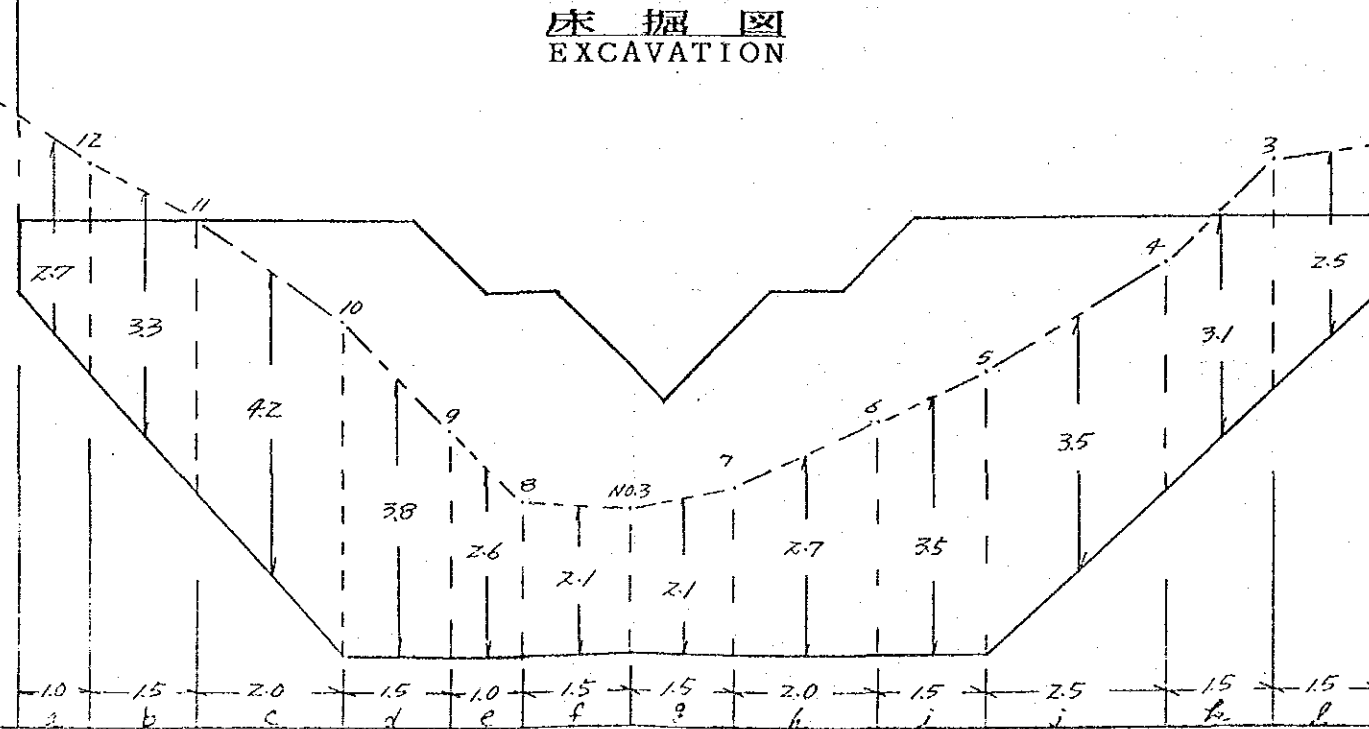
正面图
FRONT VIEW



平面图
PLANE

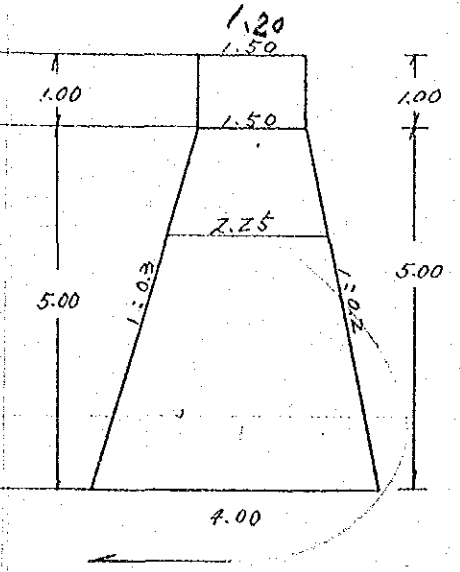


床掘图
EXCAVATION

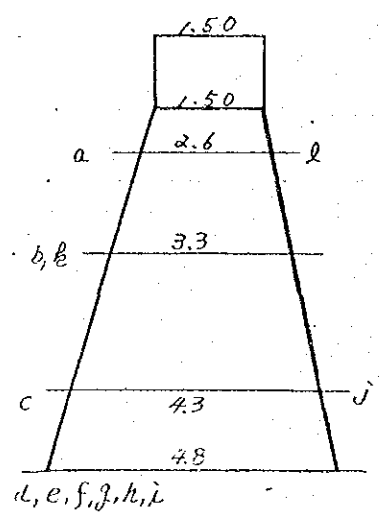


$S = \frac{1}{100}$

侧面图
SECTION



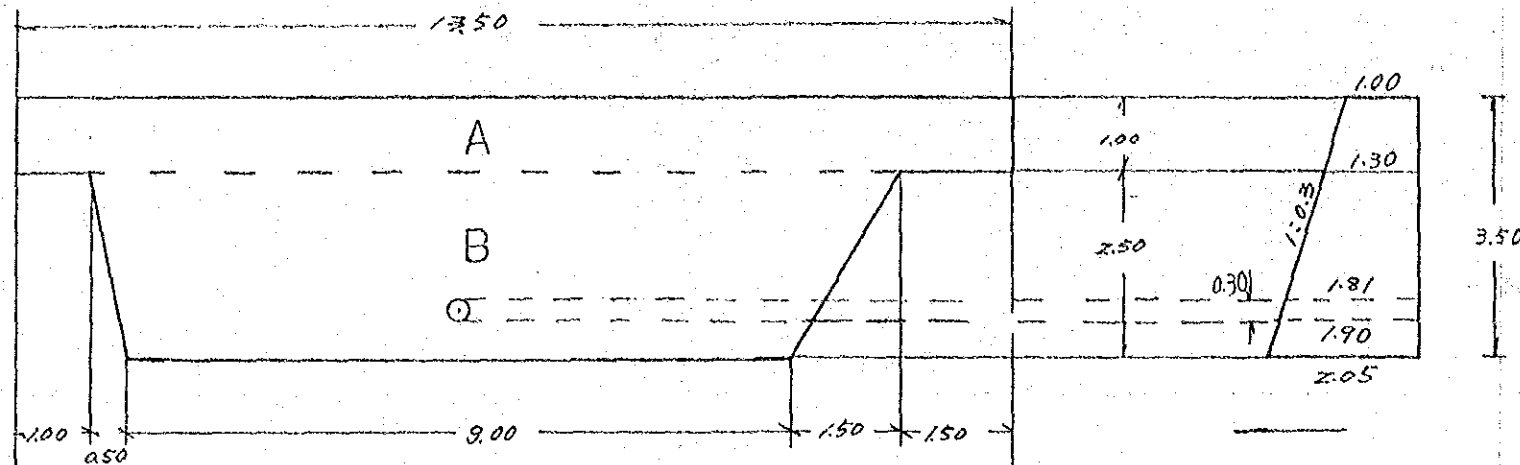
侧面图
SECTION



处理区 (第1支流) 水路带工构造图
 CHANNEL SUPPORT STRUCTURE OF PROCESSED BLOCK

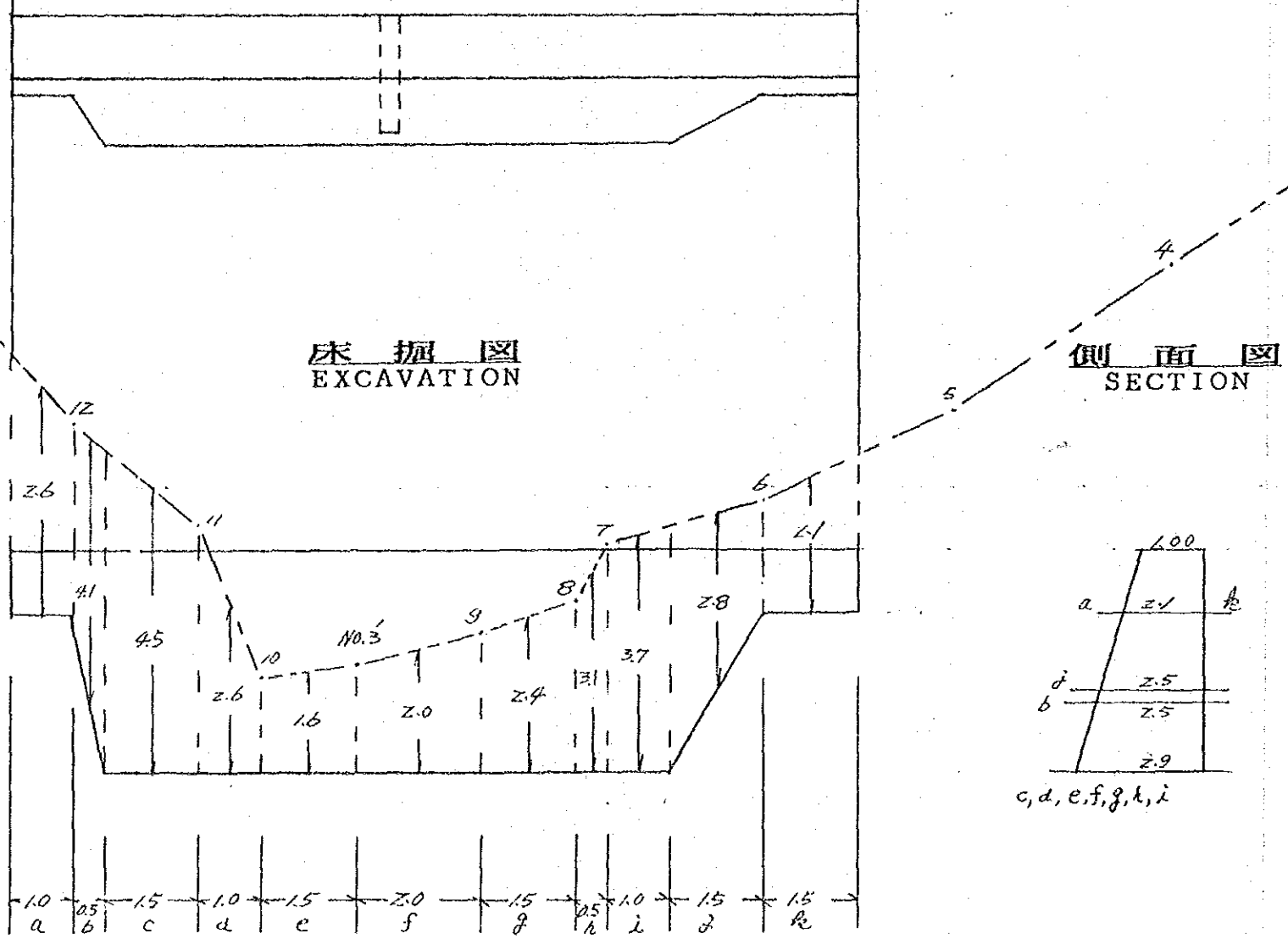
正面图
 FRONT VIEW

侧面图
 SECTION

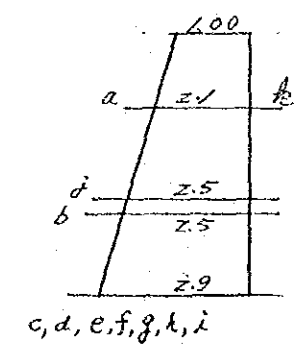


平面图
 PLANE

侧面图
 SECTION



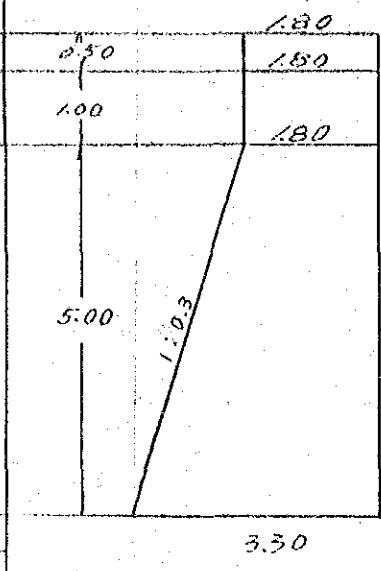
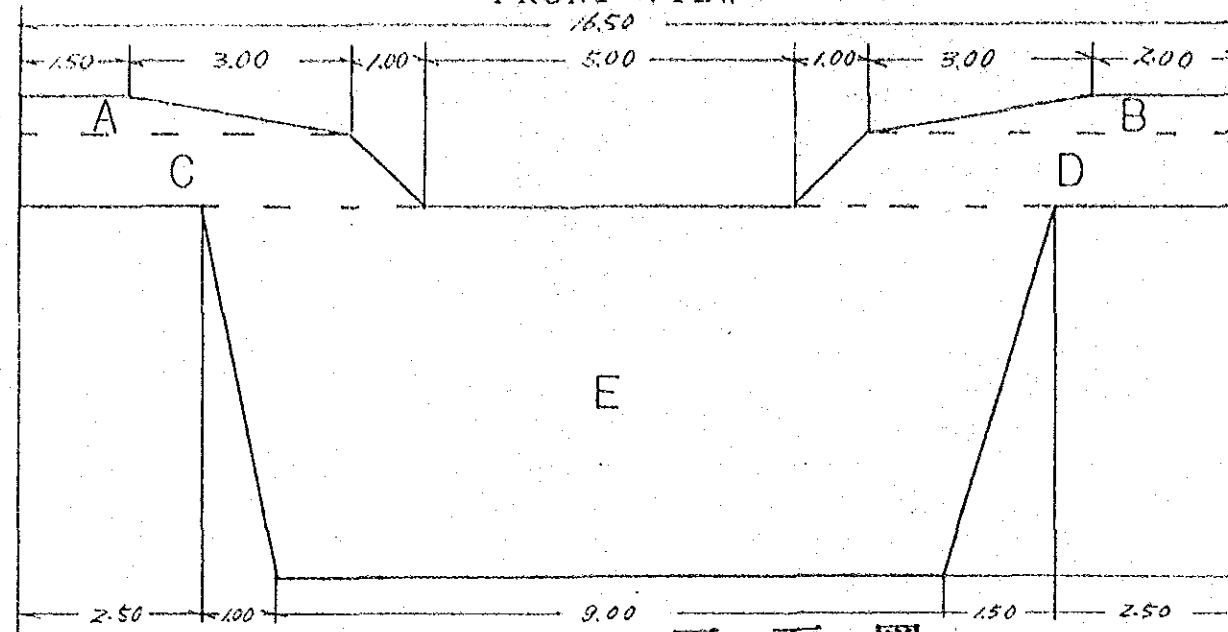
床掘图
 EXCAVATION



处理区 (第1支流) 大坝构造图
DAM STRUCTURE OF PROCESSED BLOCK

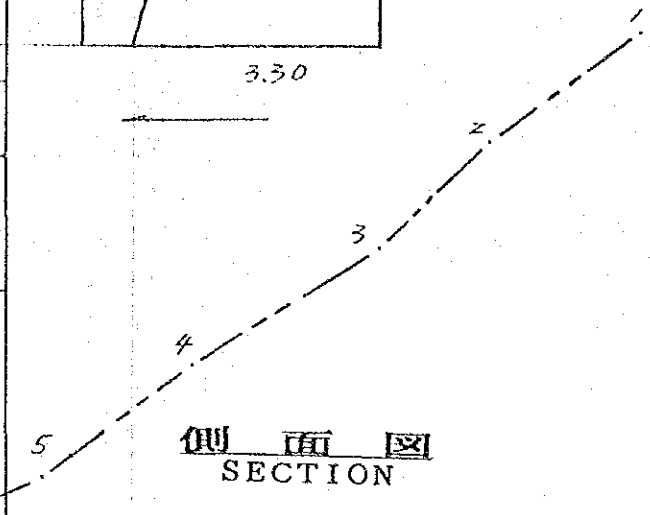
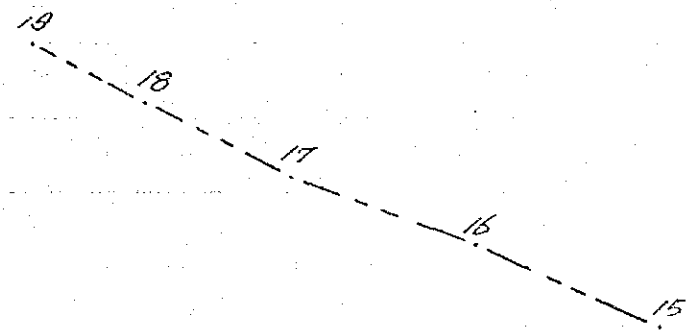
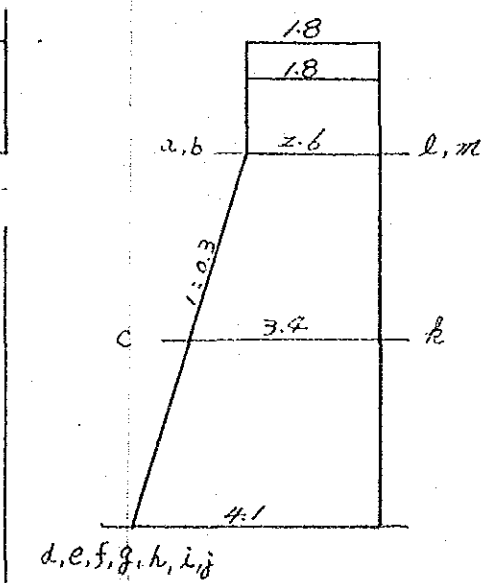
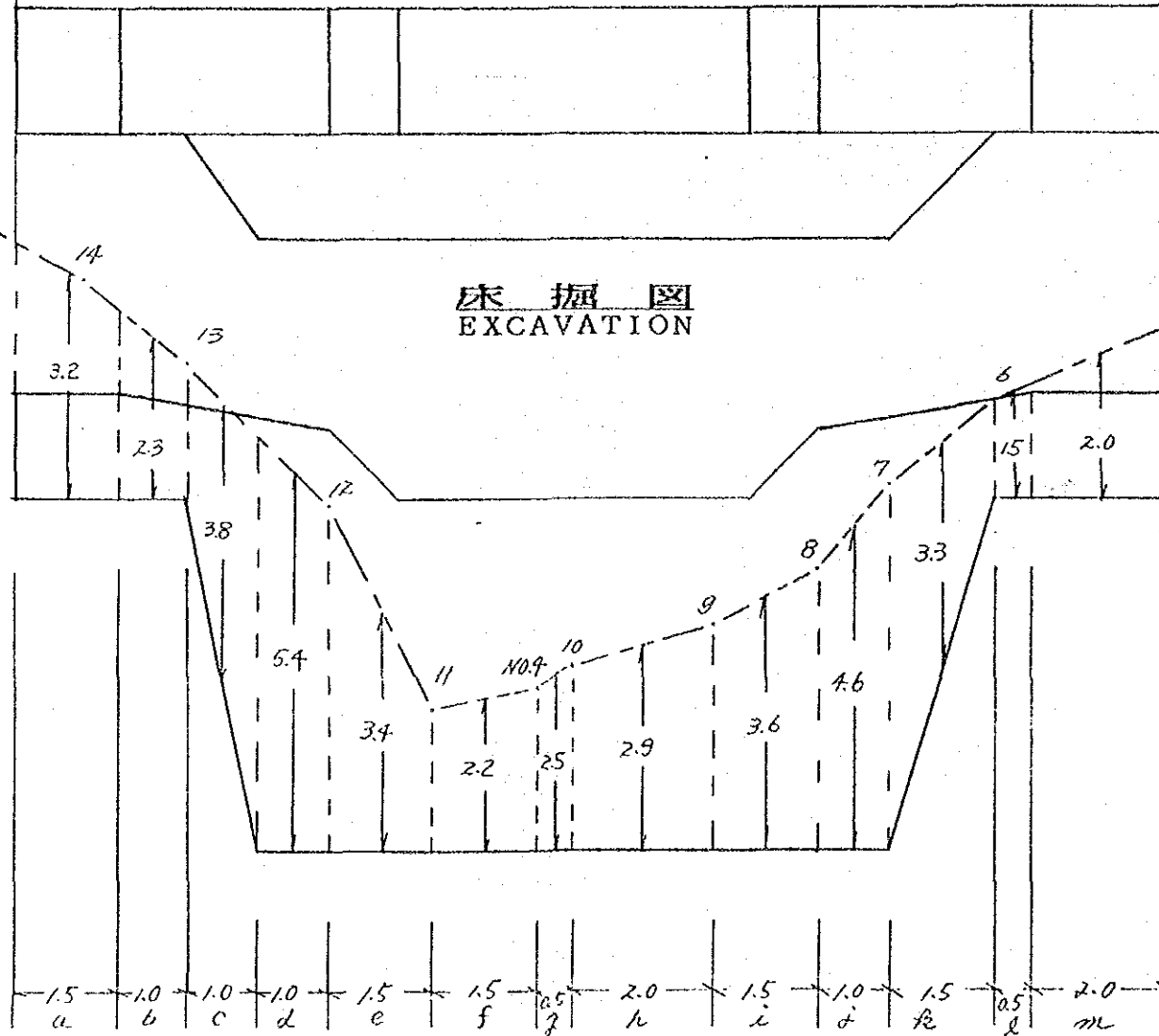
正面图
FRONT VIEW

侧面图
SECTION

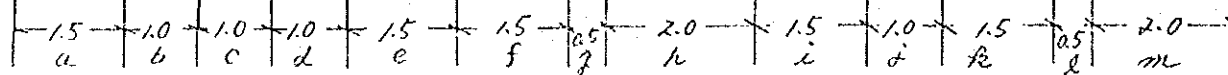


平面图
PLANE

侧面图
SECTION

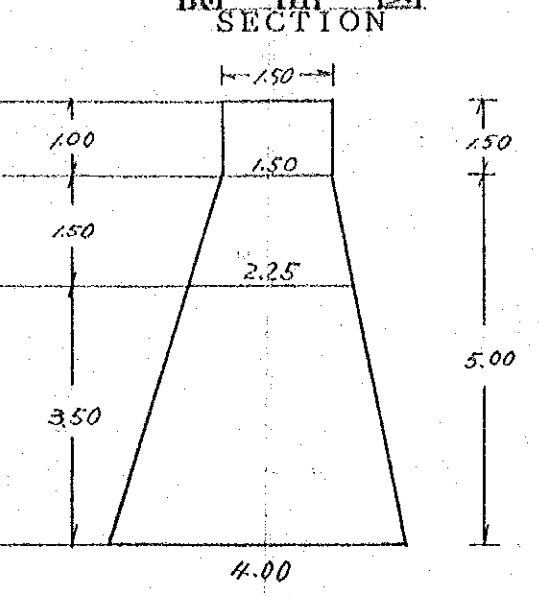
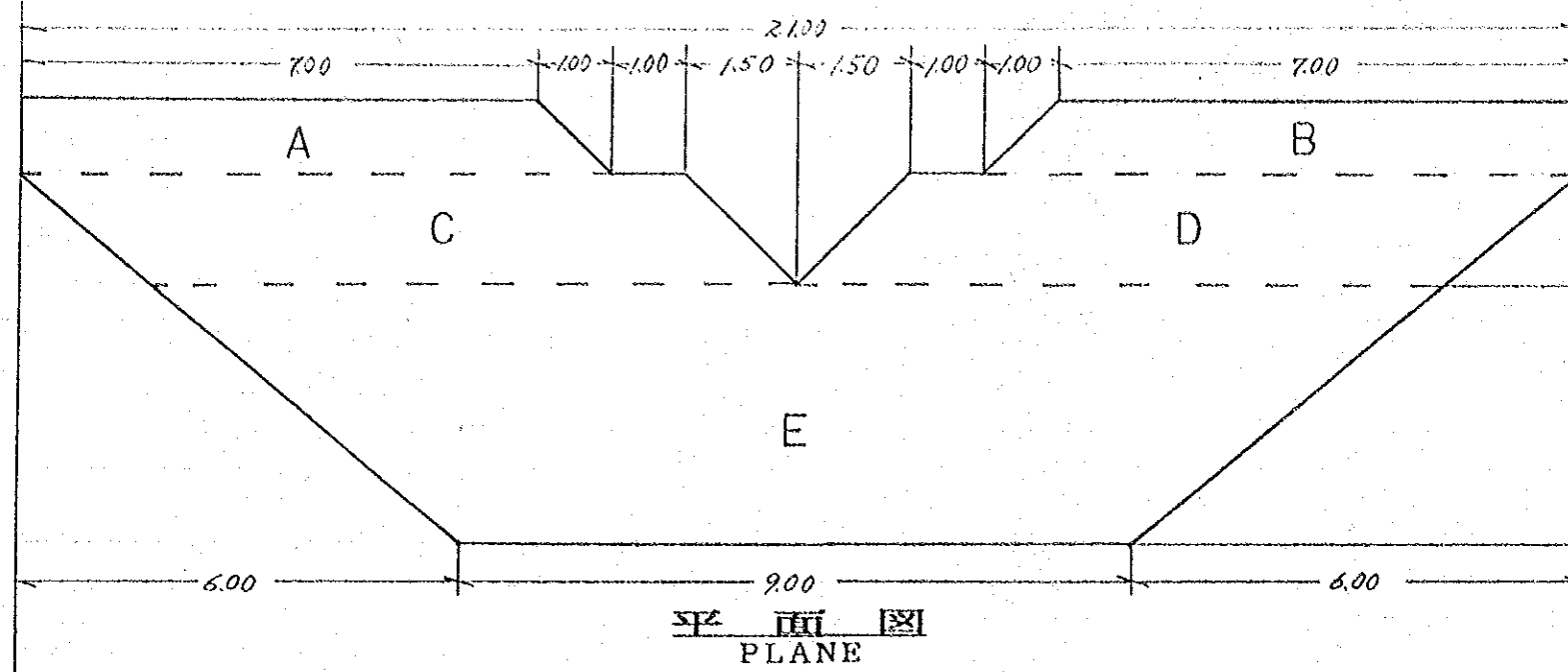


床掘图
EXCAVATION

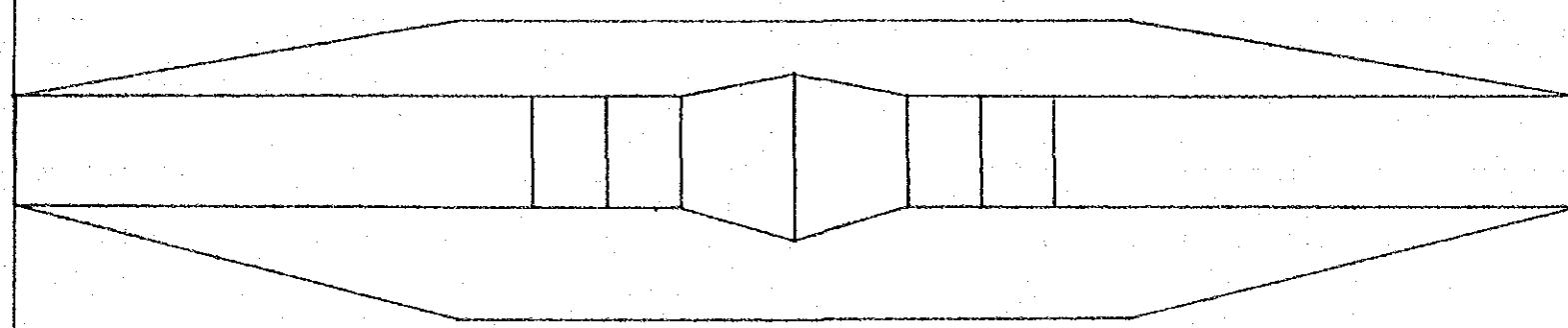


正面図
 FRONT VIEW

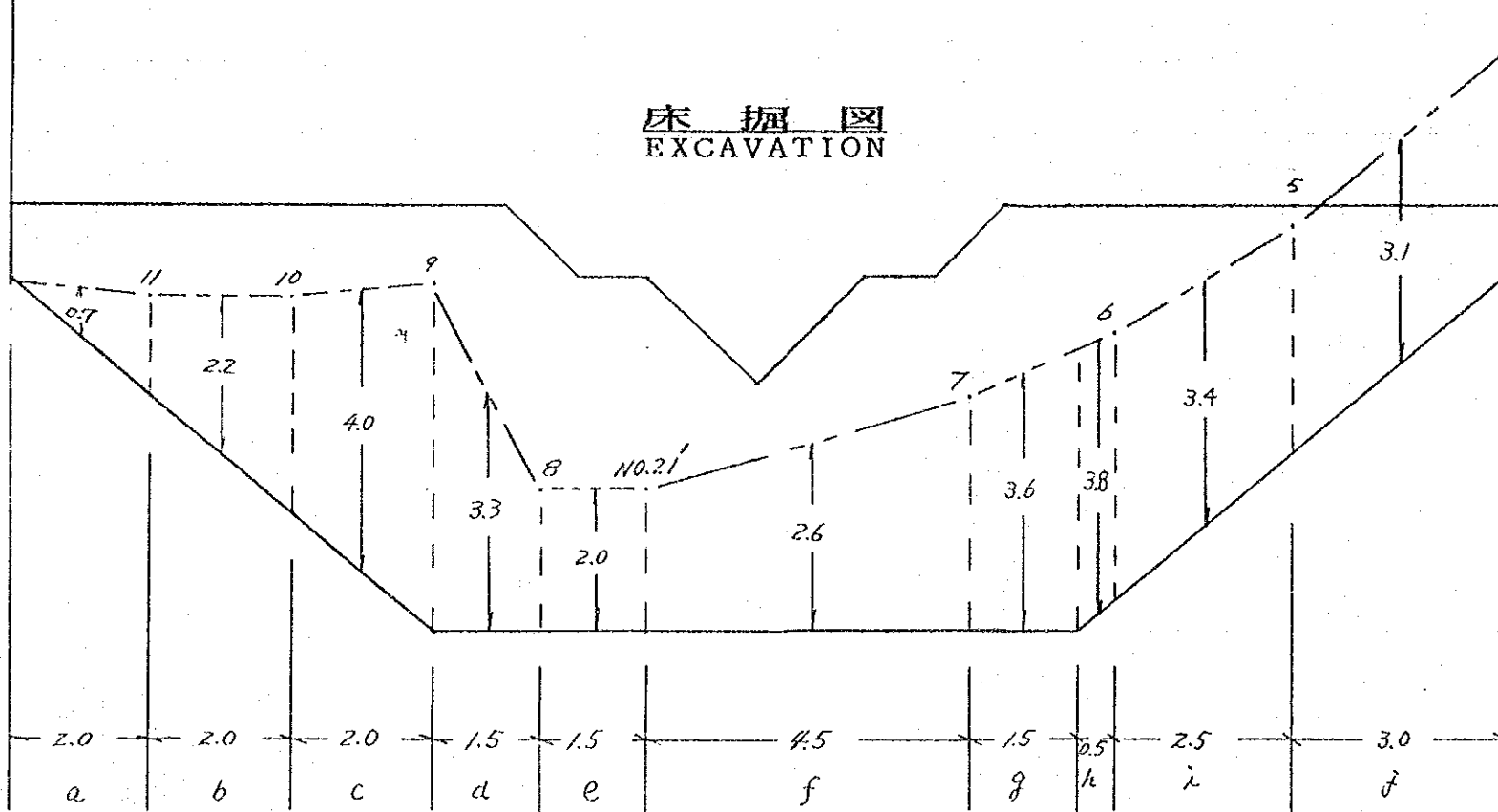
側面図
 SECTION



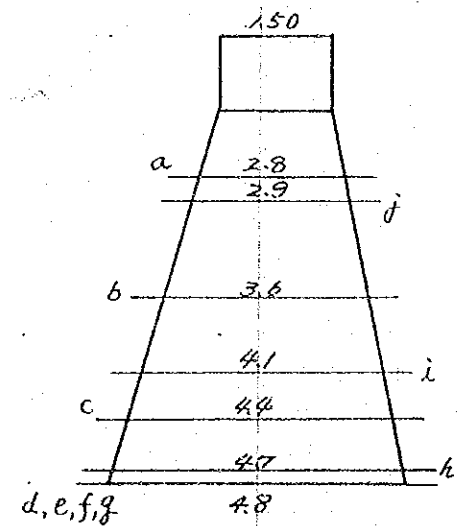
平面図
 PLANE



床掘図
 EXCAVATION



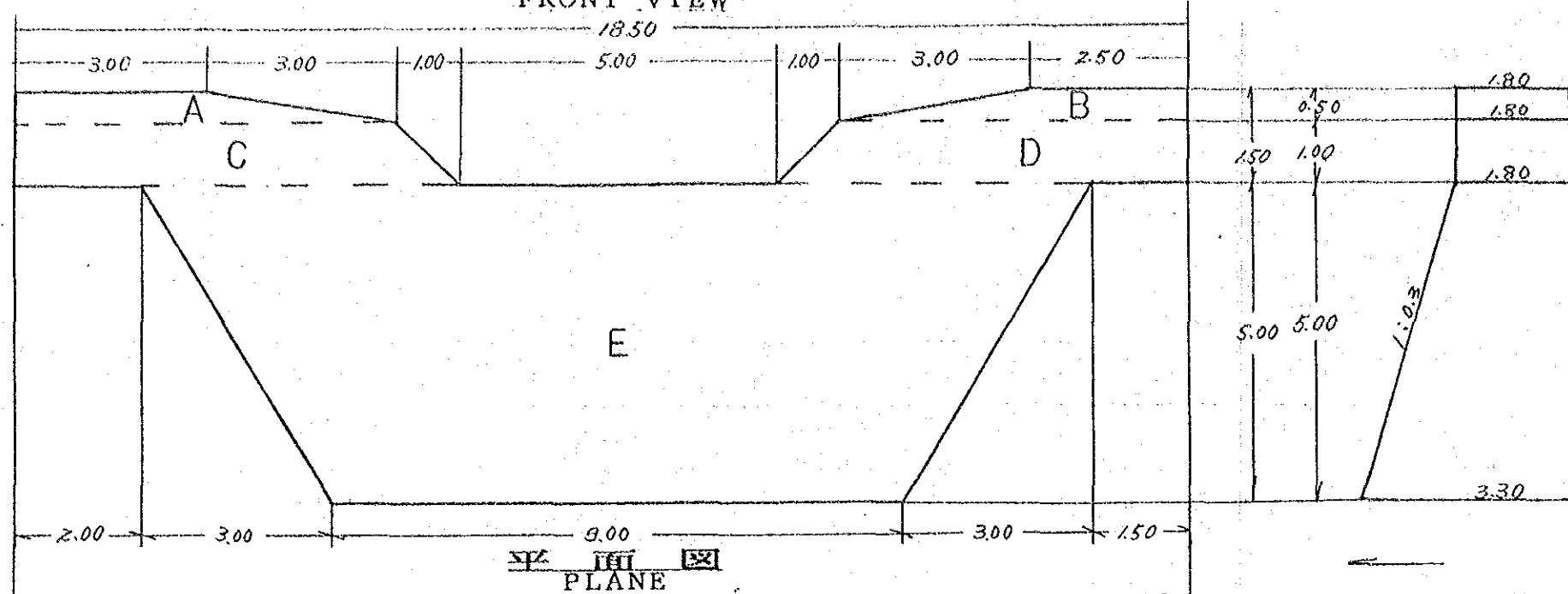
側面図
 SECTION



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

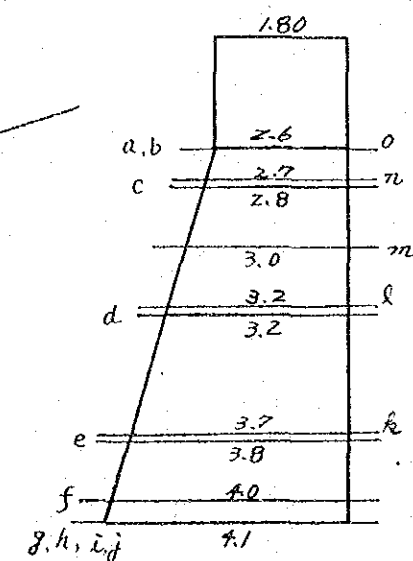
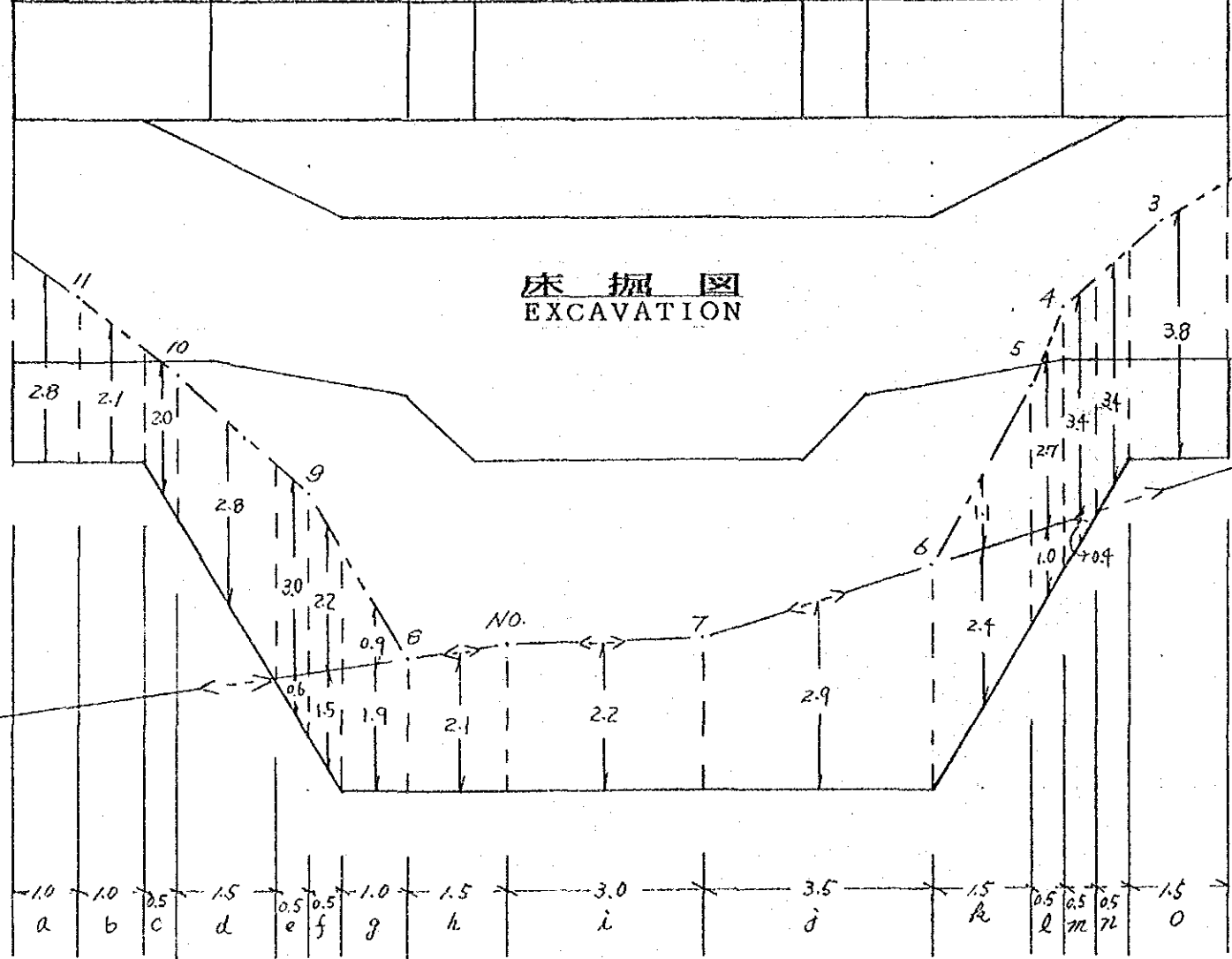


平面図
 PLANE

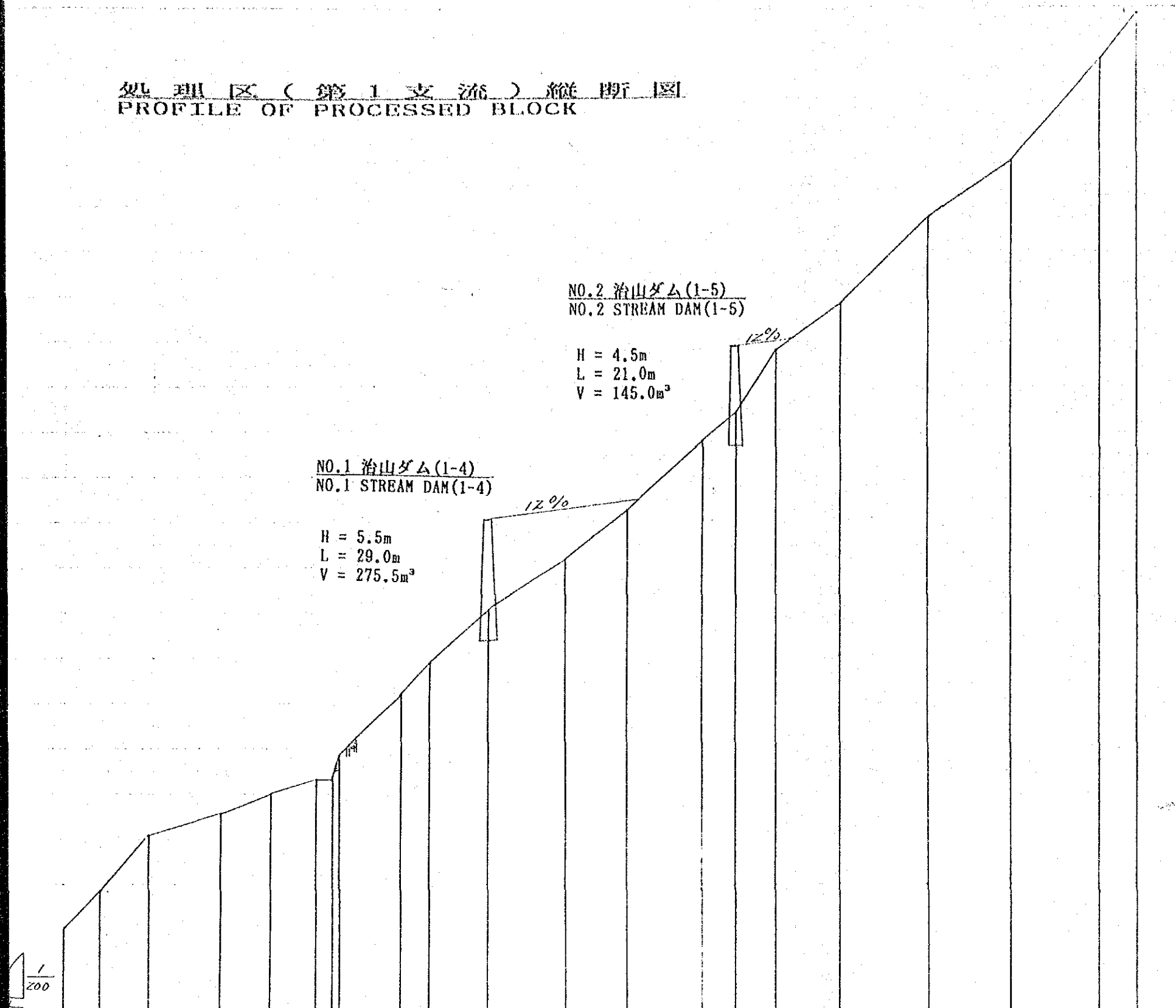
側面図
 SECTION

13
 12

床掘図
 EXCAVATION



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



NO.1 治山ダム(1-4)
 NO.1 STREAM DAM(1-4)

H = 5.5m
 L = 29.0m
 V = 275.5m³

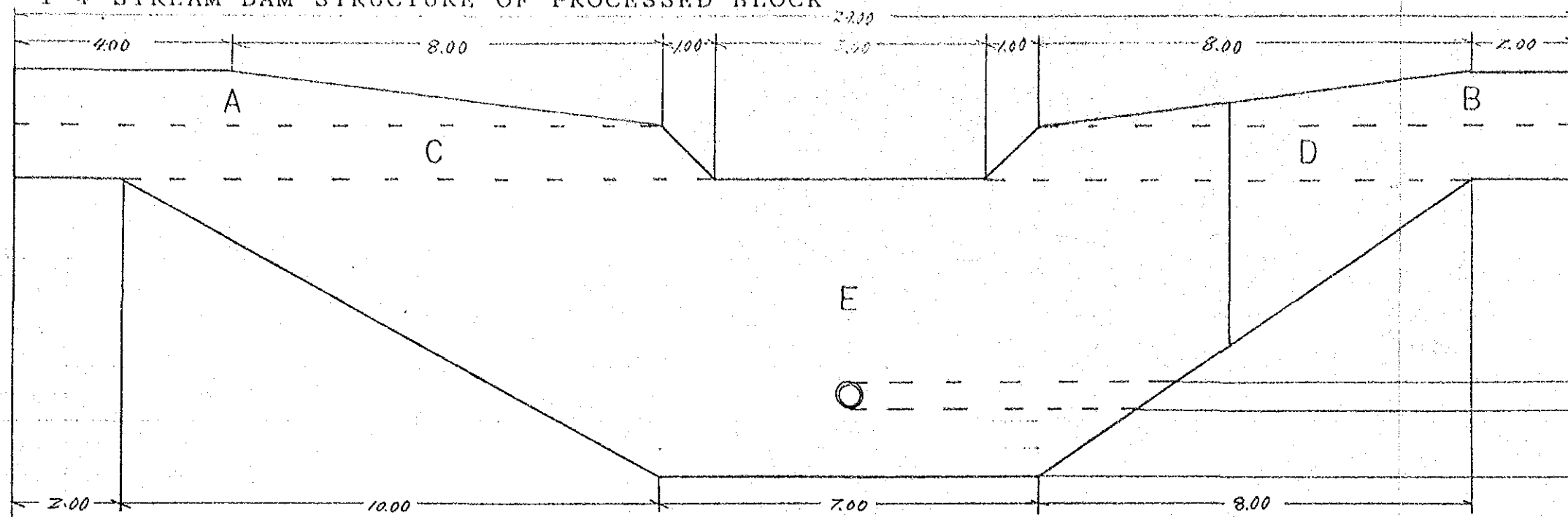
NO.2 治山ダム(1-5)
 NO.2 STREAM DAM(1-5)

H = 4.5m
 L = 21.0m
 V = 145.0m³

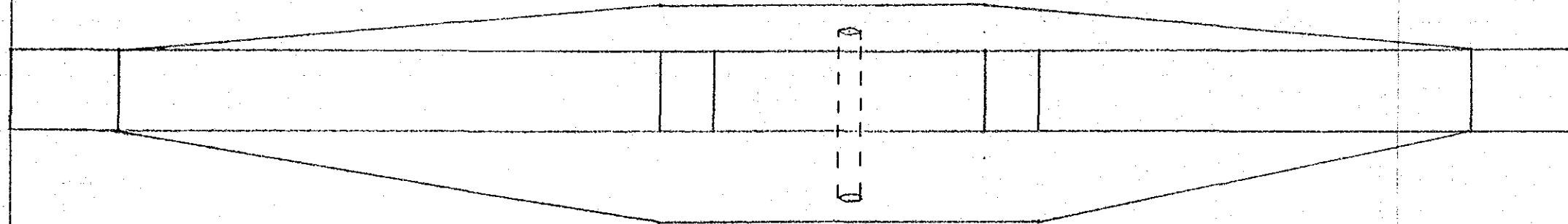
NO.	20	1	2	3	3'	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
72	45.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

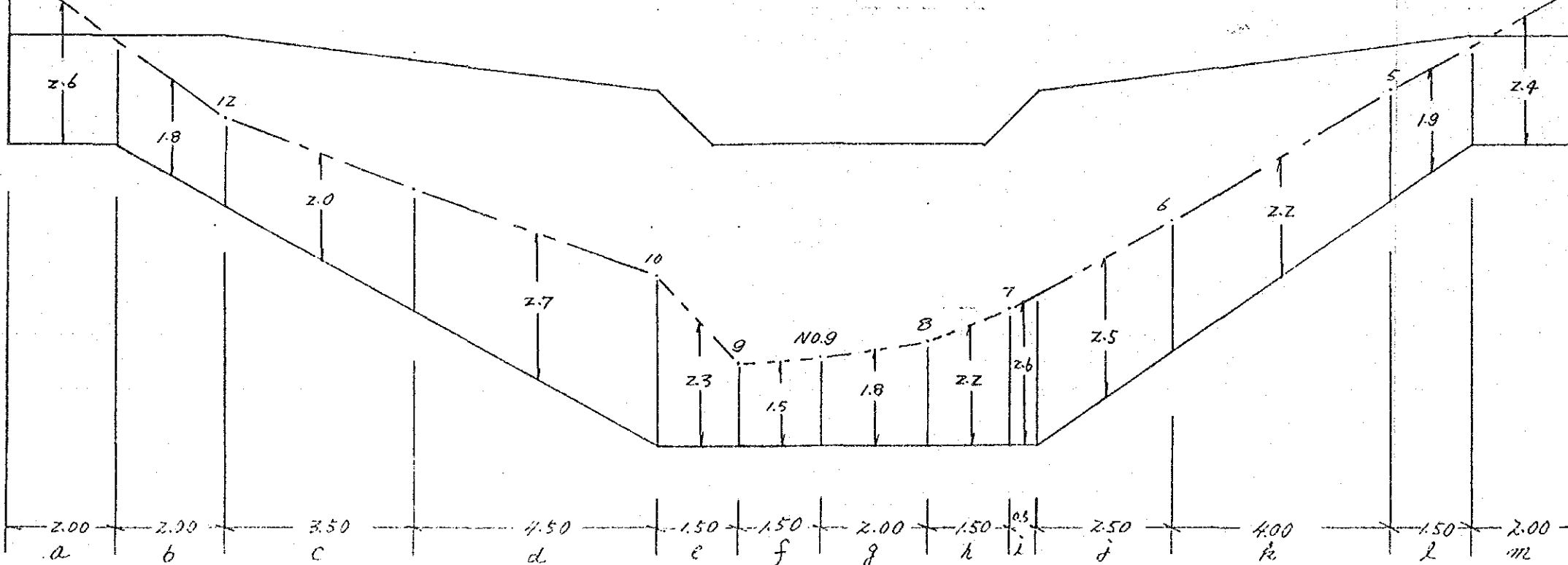
正面図
 FRONT VIEW



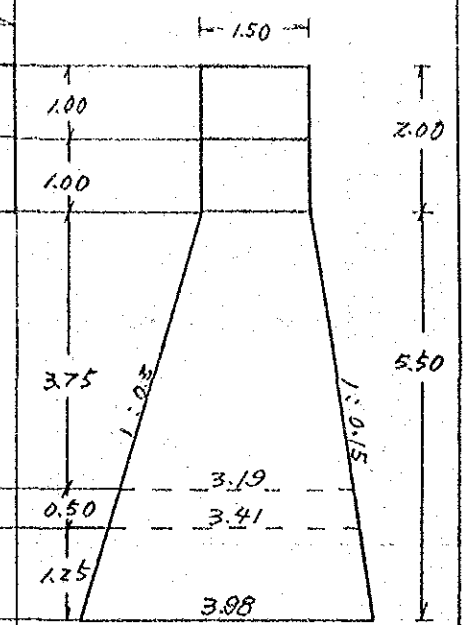
平面図
 PLANE



床掘図
 EXCAVATION

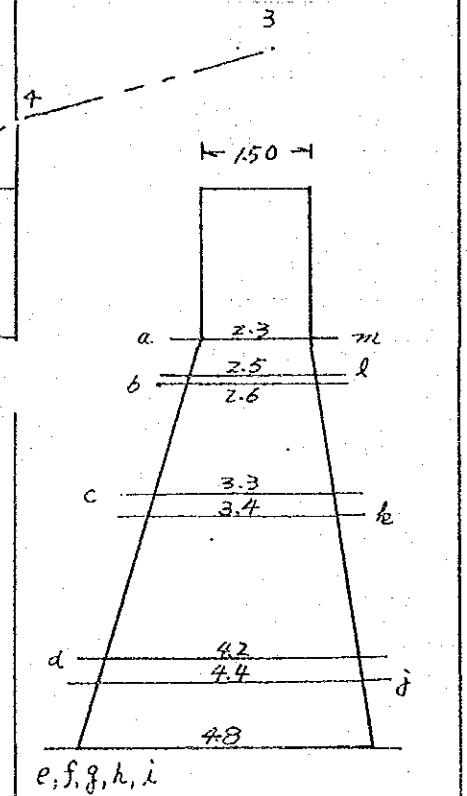


側面図
 SECTION



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

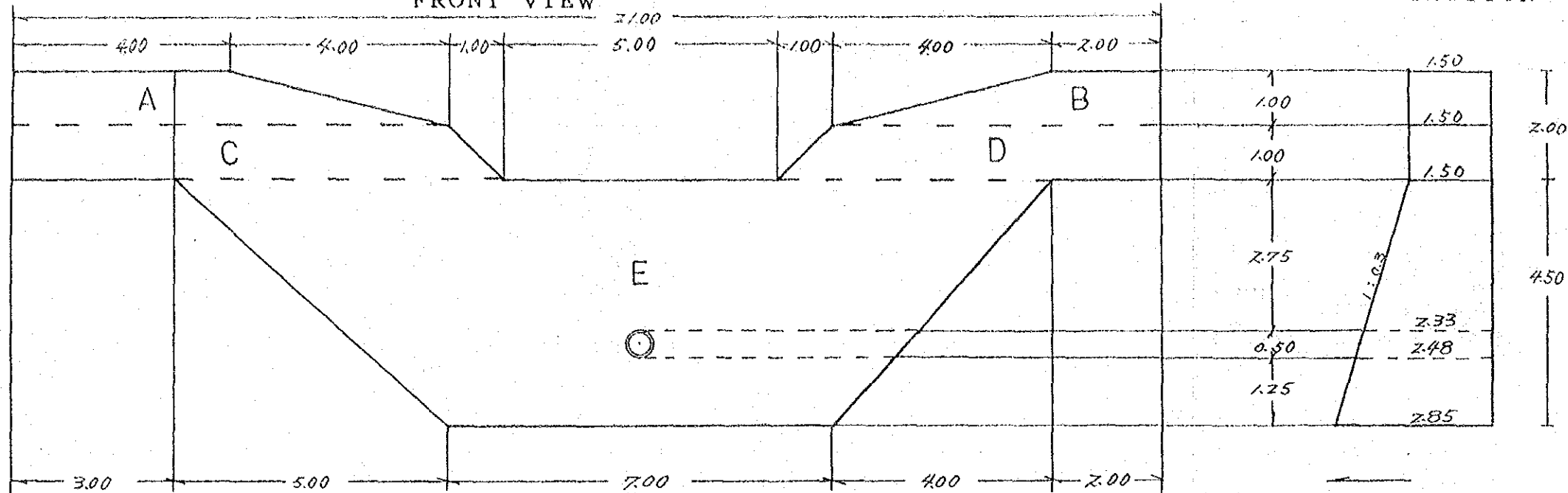
側面図
 SECTION



处理区(第1支流) 1-5 治山工程构造图
1-5 STREAM DAM STRUCTURE OF PROCESSED BLOCK

正面图
FRONT VIEW

侧面图
SECTION

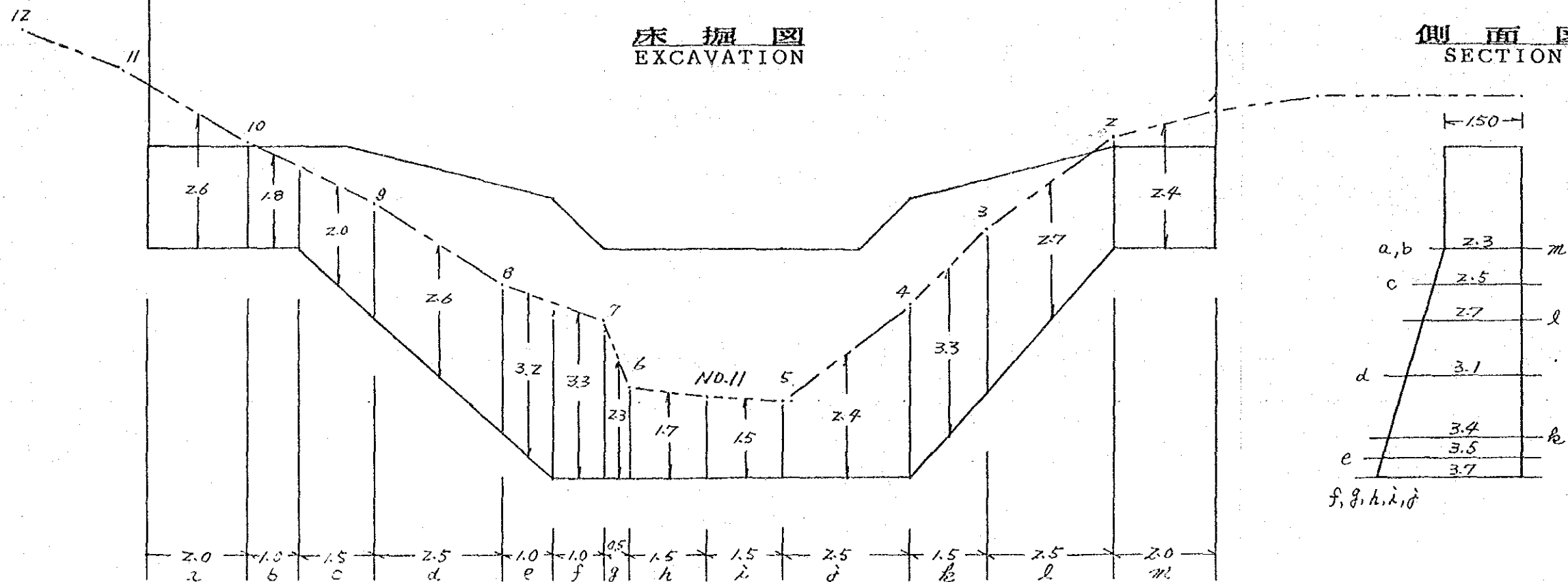


平面图
PLANE

IV型
 $H = 4.5m$
 $h' = 1.0m$
 $b = 1.5m$
 $m = 0.3$
 $n = 0$
 $B = 2.85m$
 $A = 9.79m^2$

床掘图
EXCAVATION

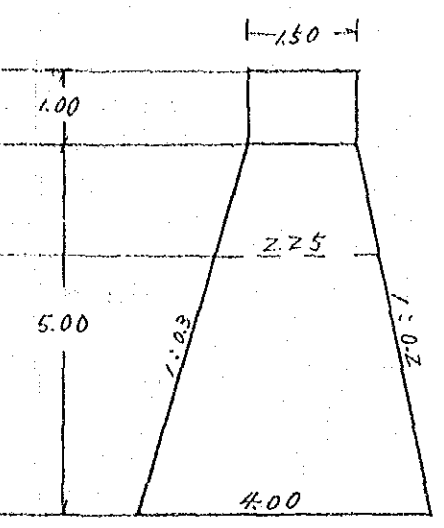
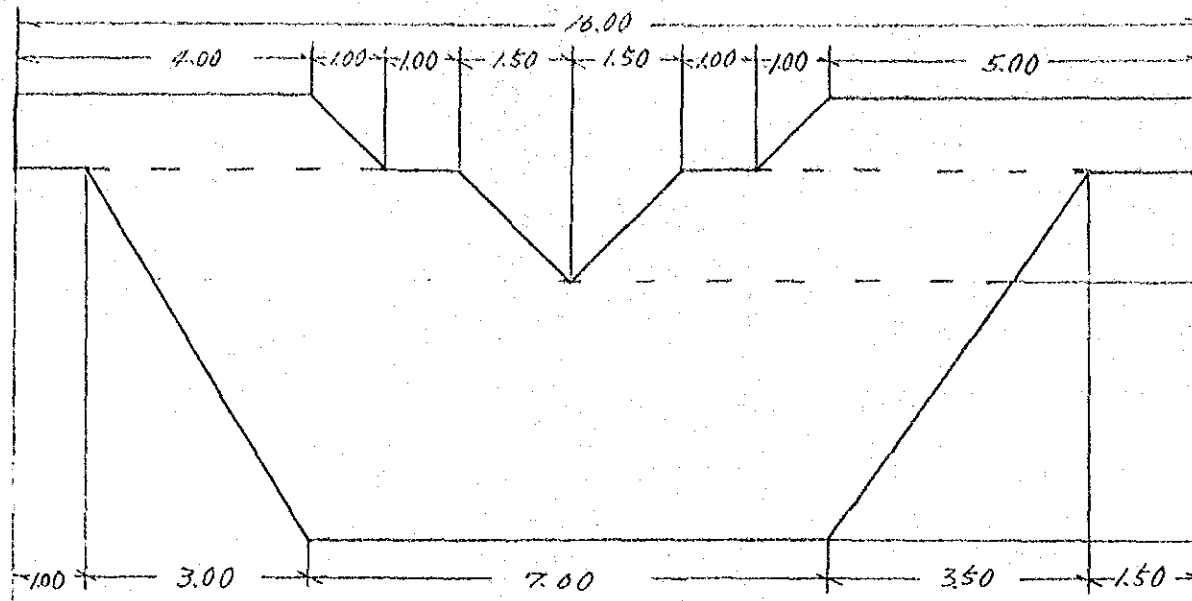
侧面图
SECTION



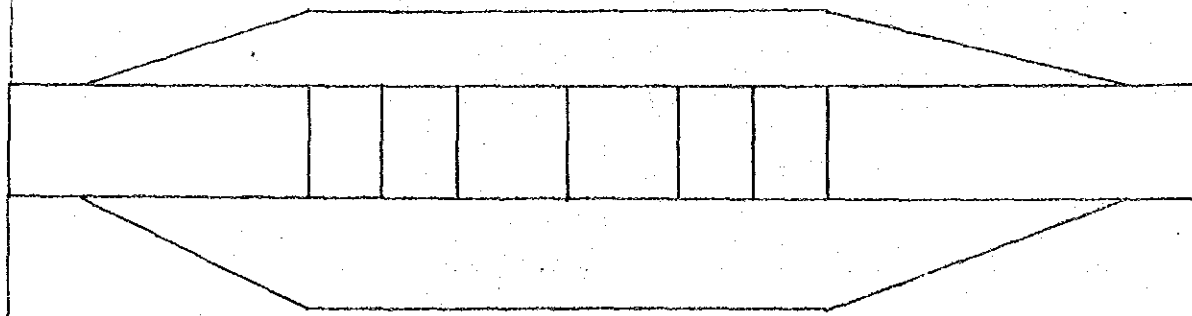
森林区量水坝构造图
GAUGINGDAM OF FOREST BLOCK

正面图
FRONT VIEW

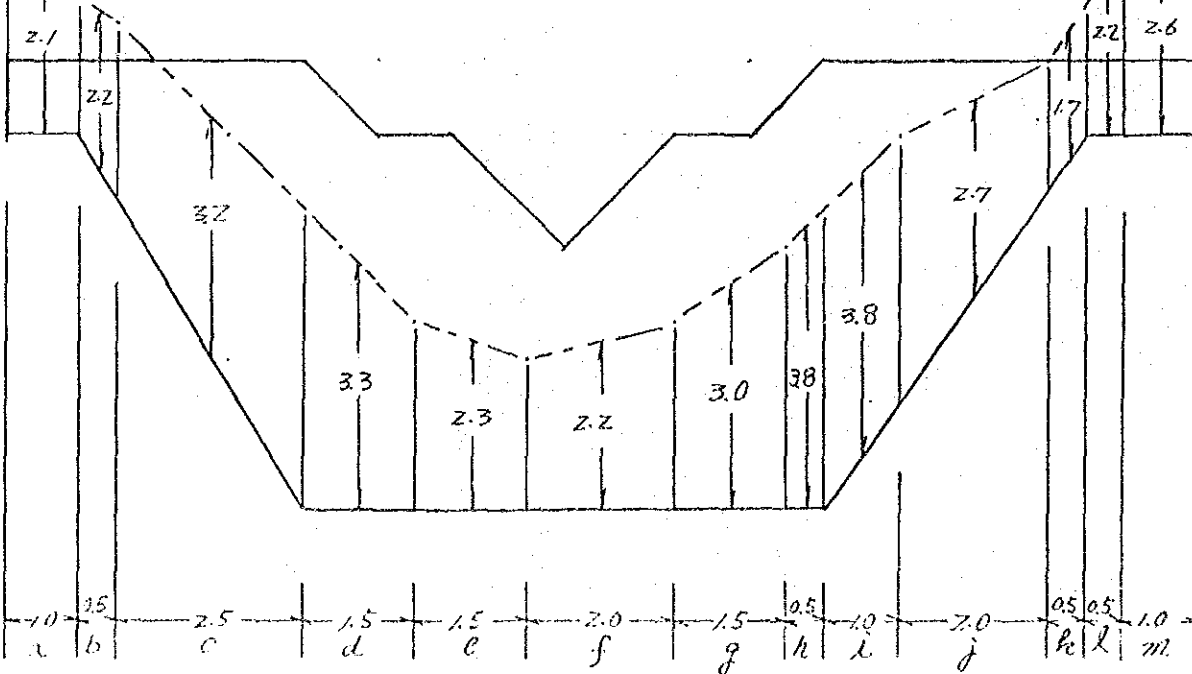
侧面图
SECTION



平面图
PLANE



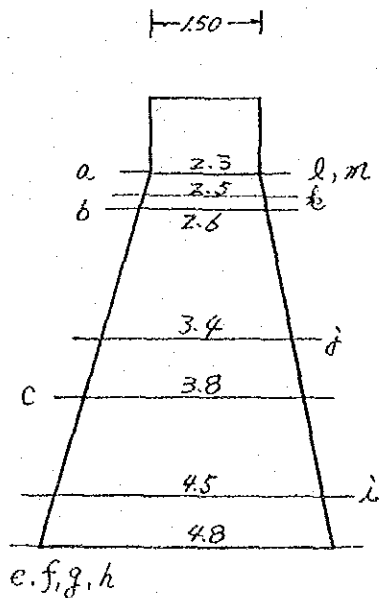
床掘图
EXCAVATION



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

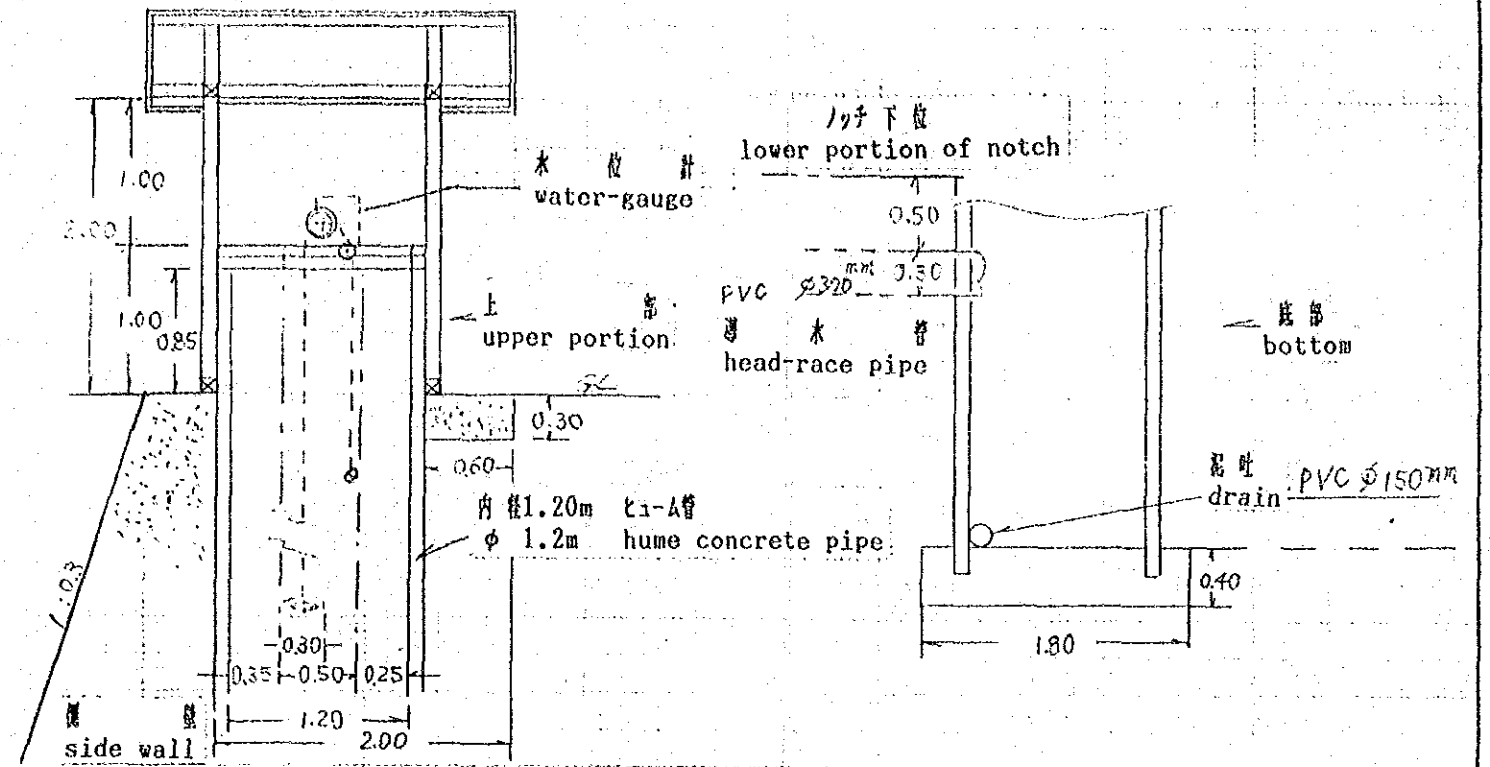
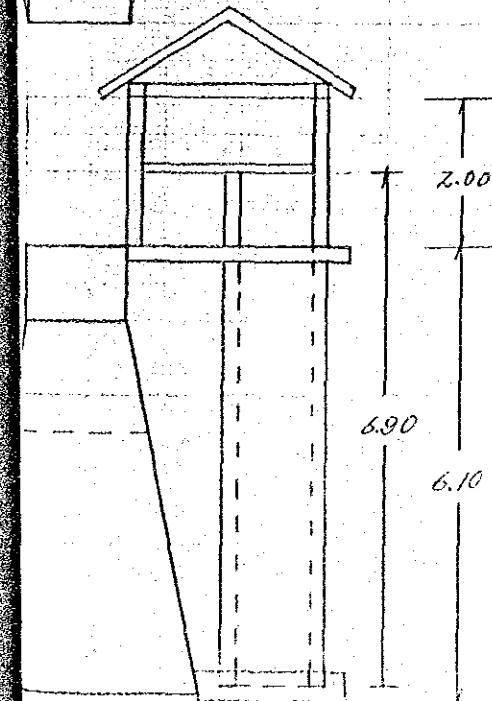
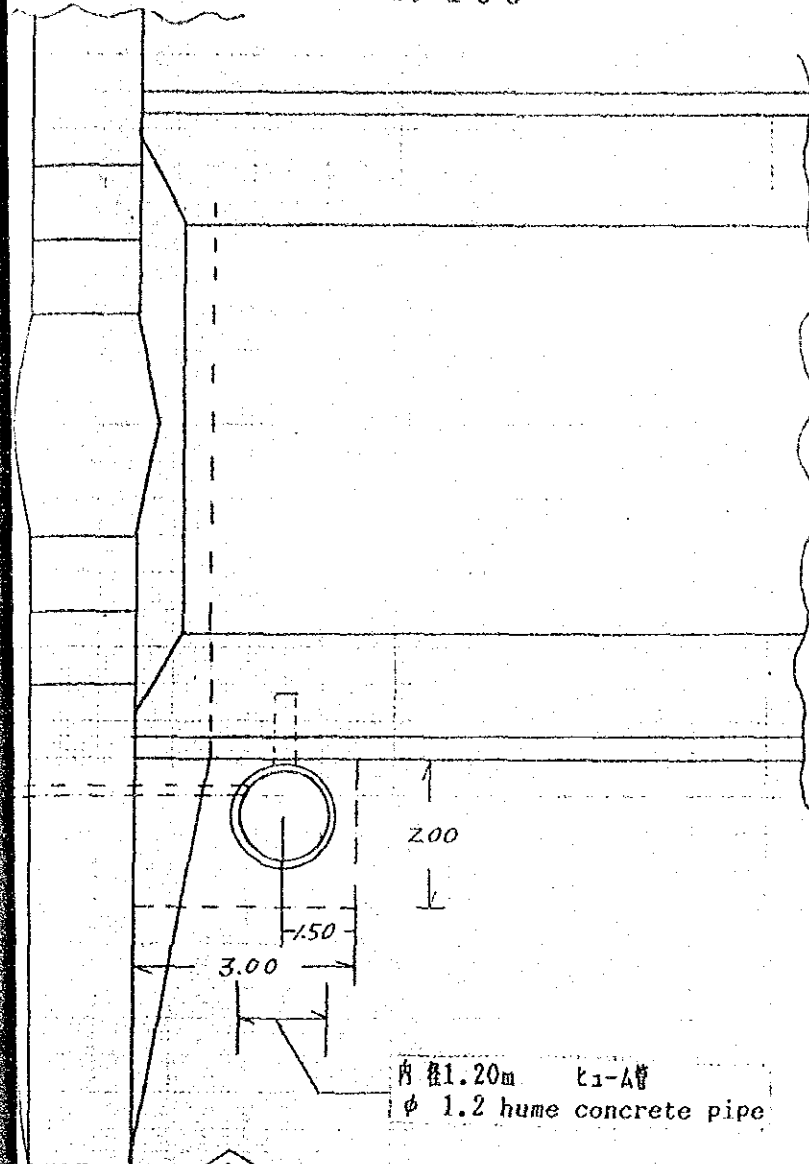


量水施設詳細図
 DETAIL OF GAUGING FACILITIES

水位観測室
 GAUGING ROOM

S=1/100

S=1/50

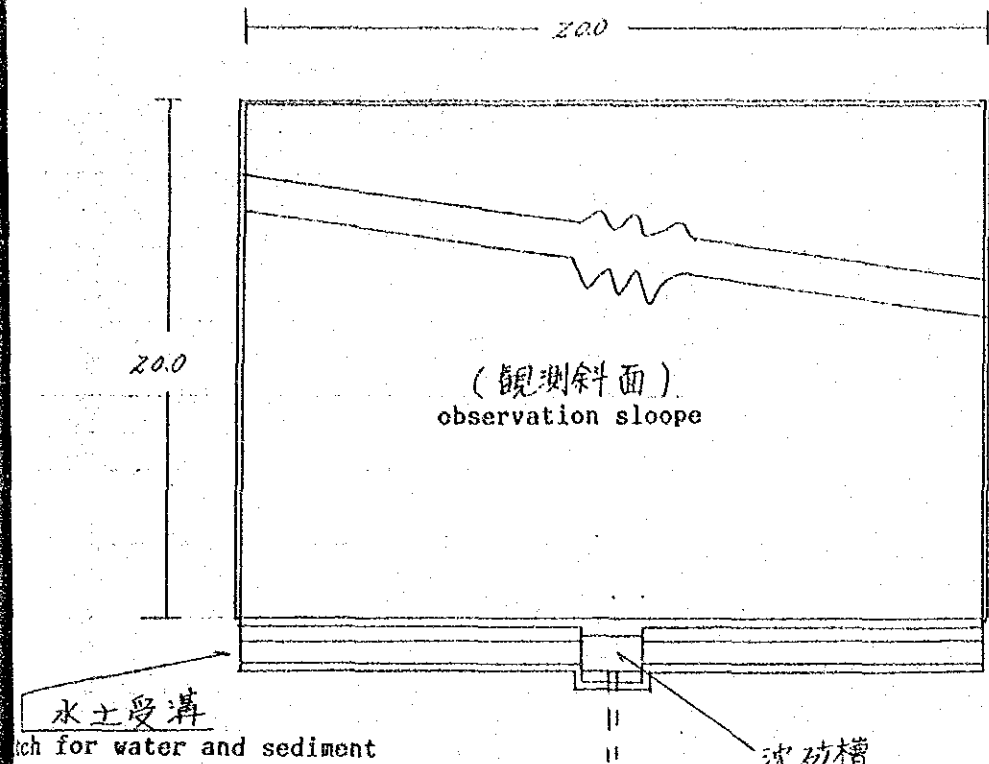


PLAN
PLANE

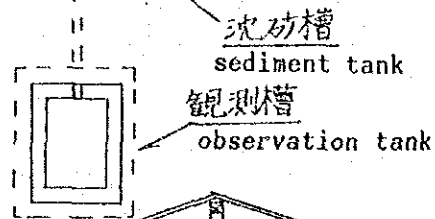
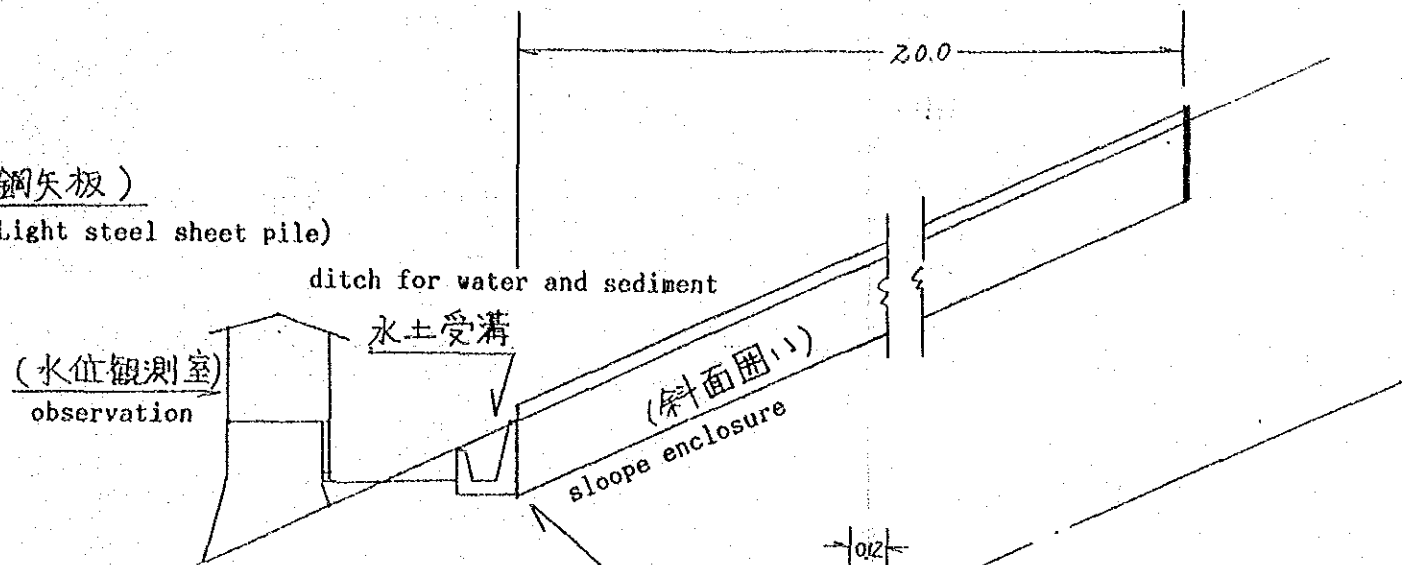
ライシメーター設計図

LYSIMETER DRAWING

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

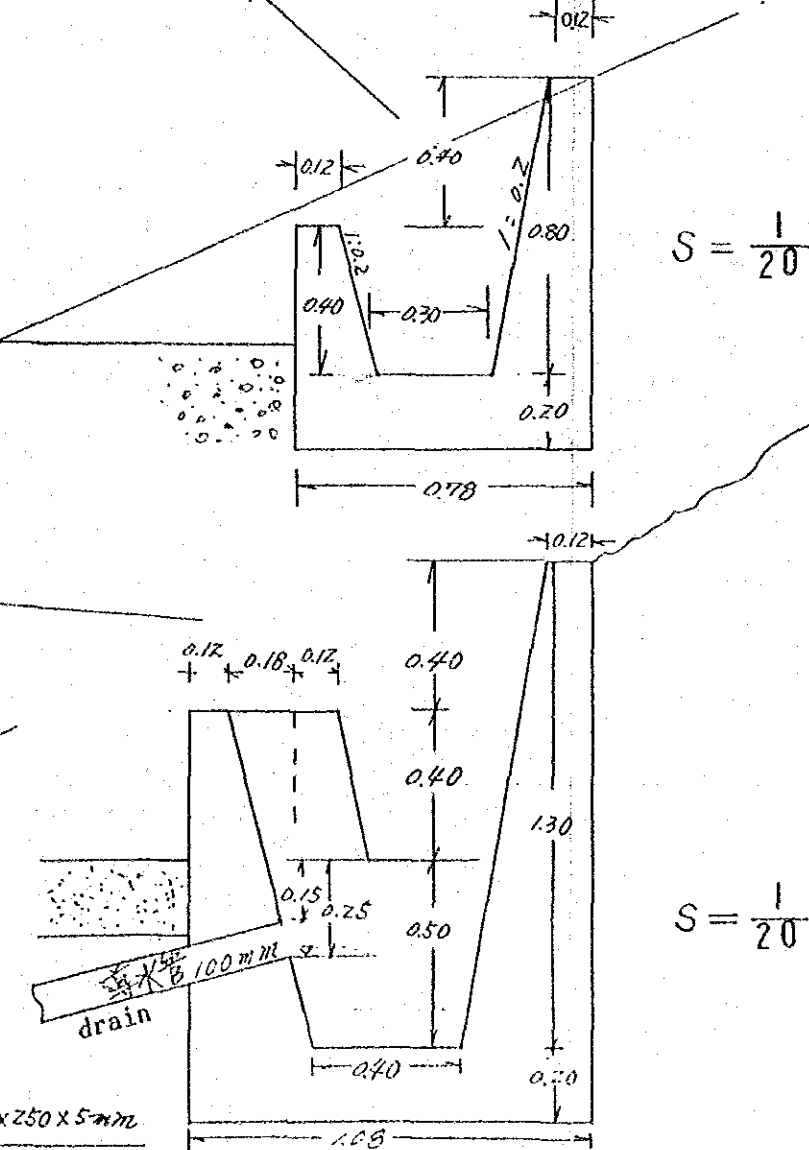
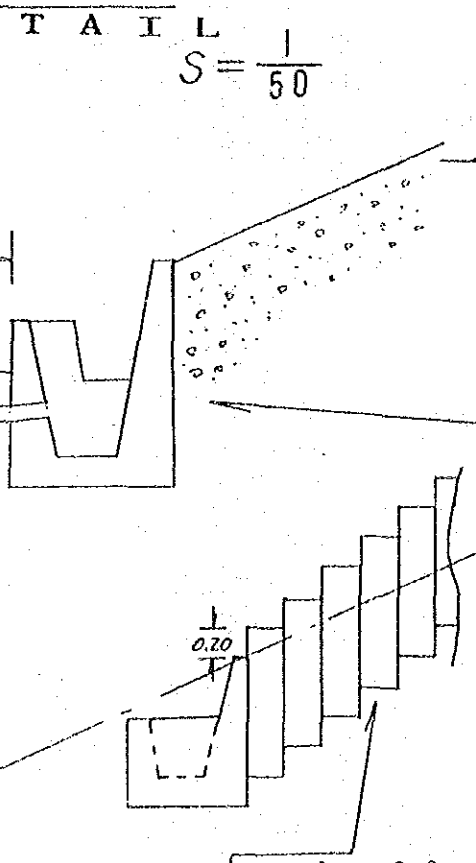
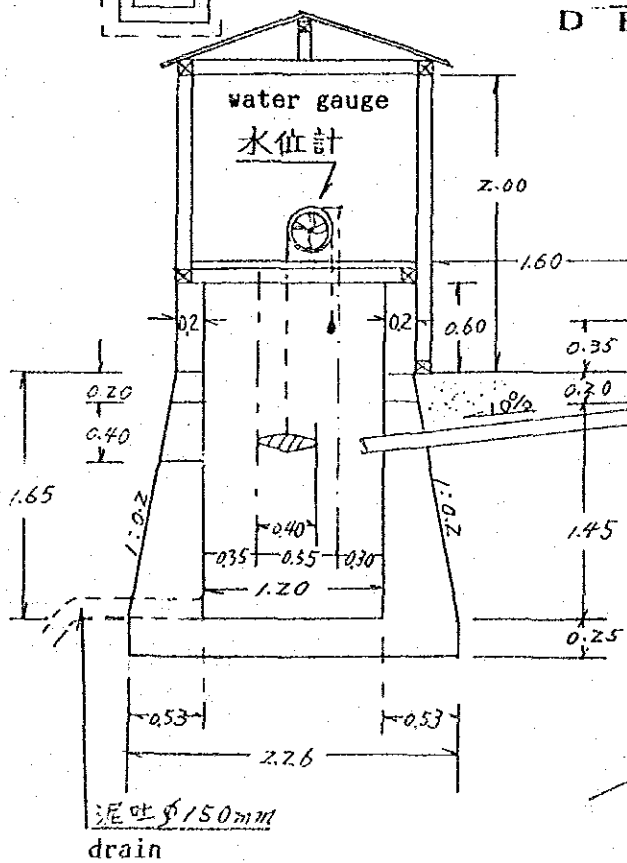
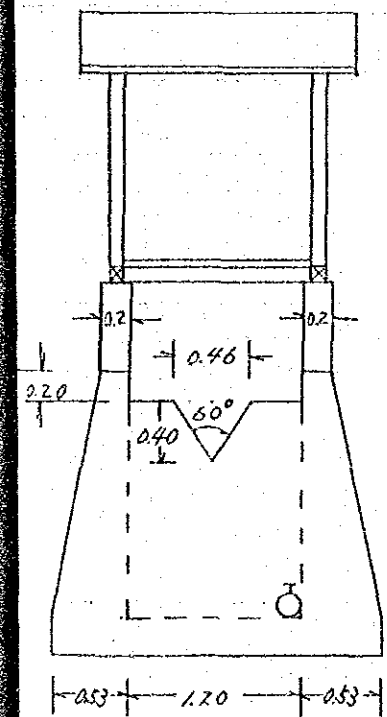


SECTION
SECTION



詳細図
DETAIL

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



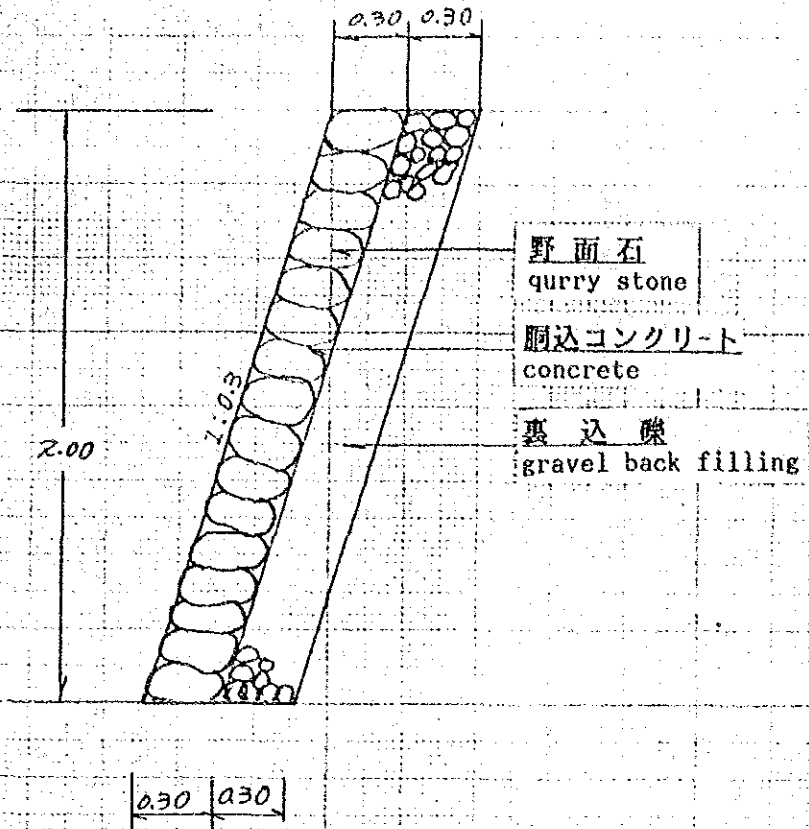
(Light steel sheet pile)

軽鋼鋼矢板 1000x250x5mm

山腹基礎工詳細図(その1)
HILLSIDE FOUNDATION WORKS DETAIL (NO.1)

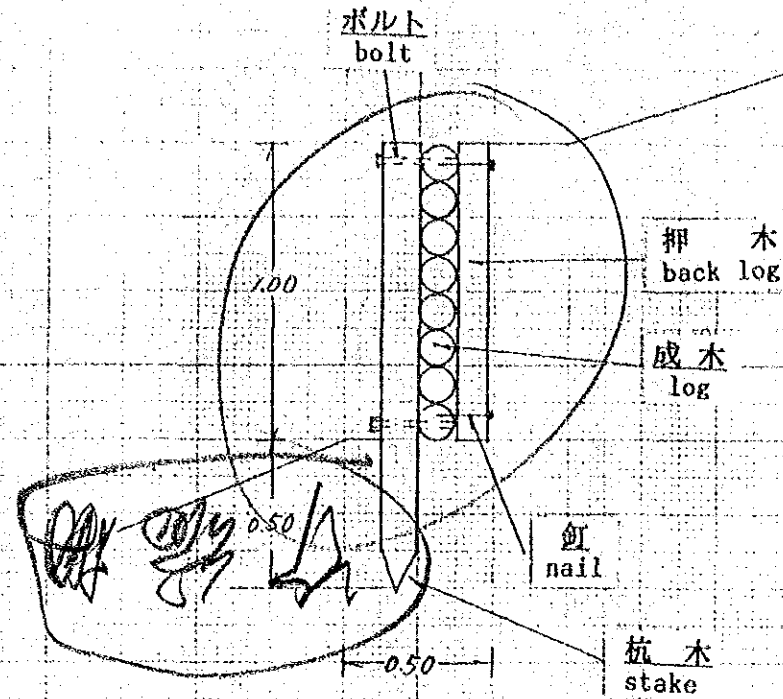
野面練石積土留工
Curry Stones Sheathing

$S = \frac{1}{25}$



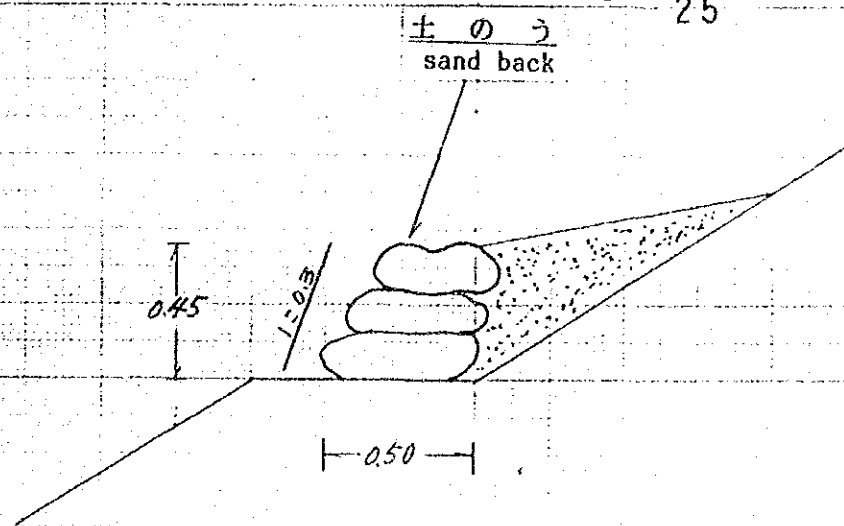
丸太柵土留工
Log Fence Sheathing

$S = \frac{1}{25}$



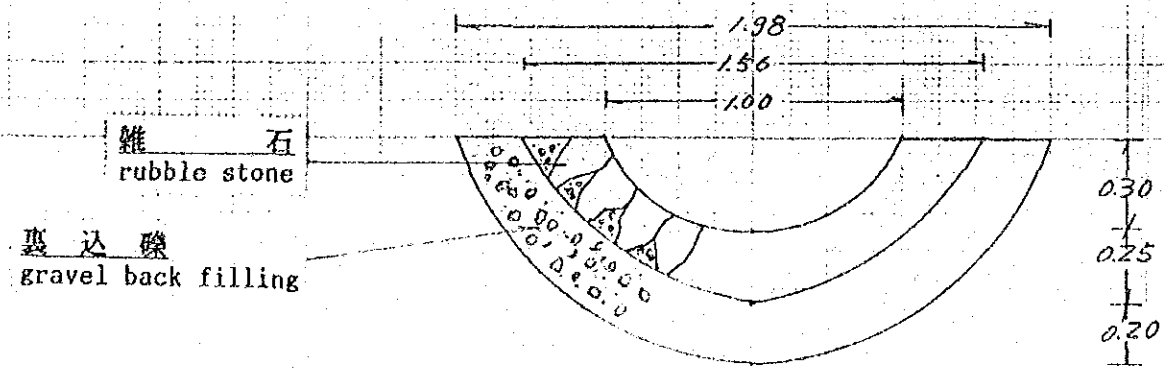
土のう積土留工
Sand Back Sheathing

$S = \frac{1}{25}$

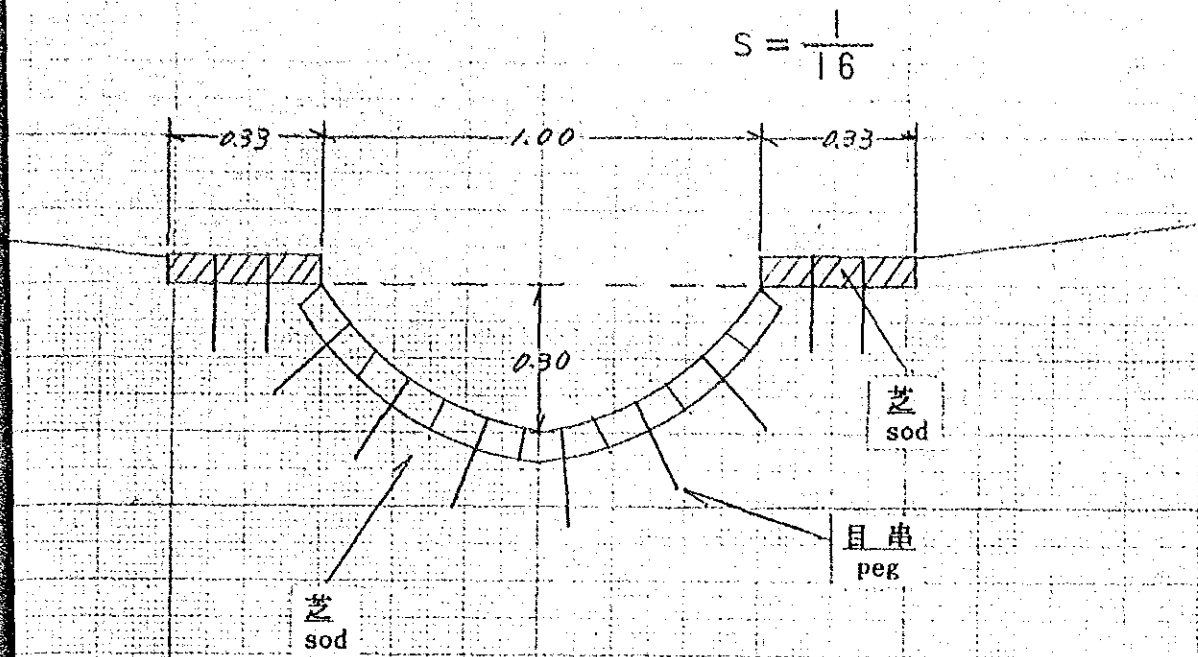


雑石張水路工
Dry Pitched Channel

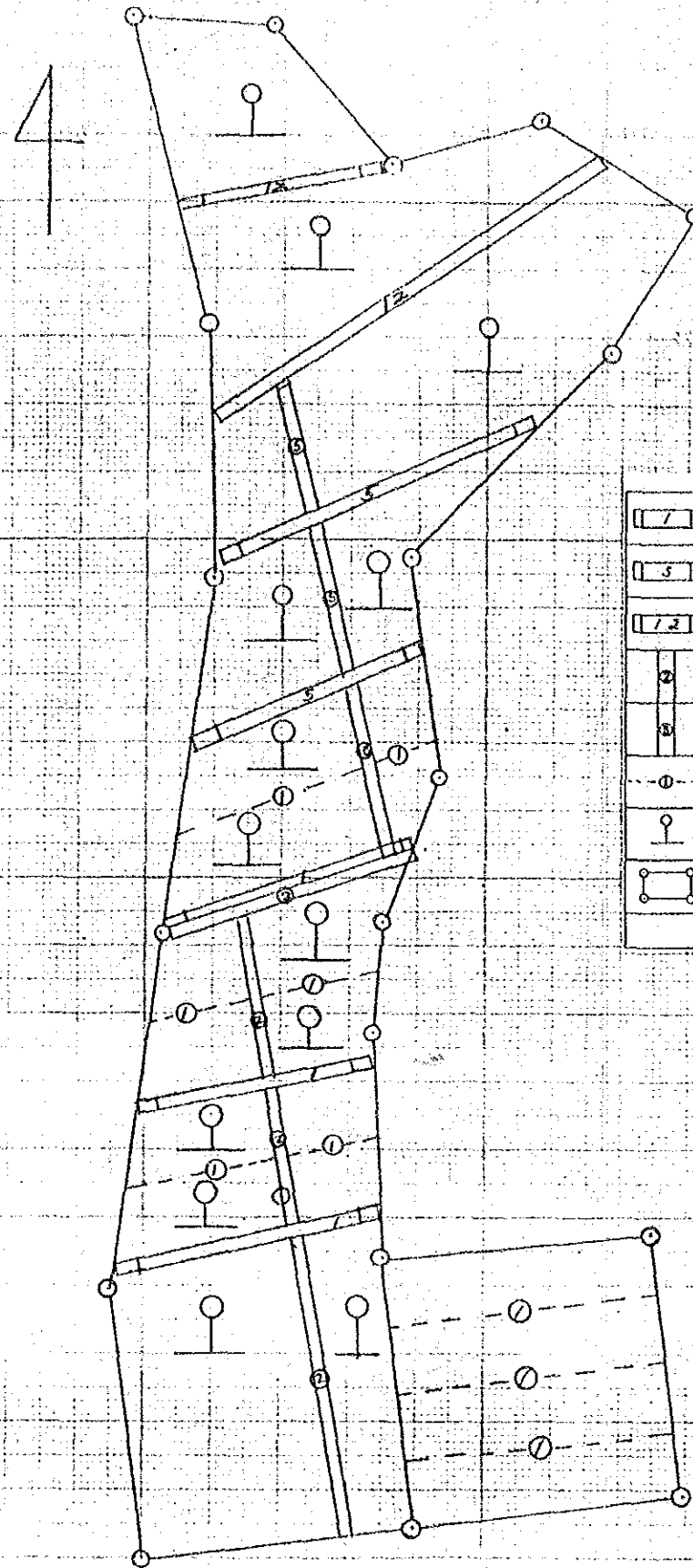
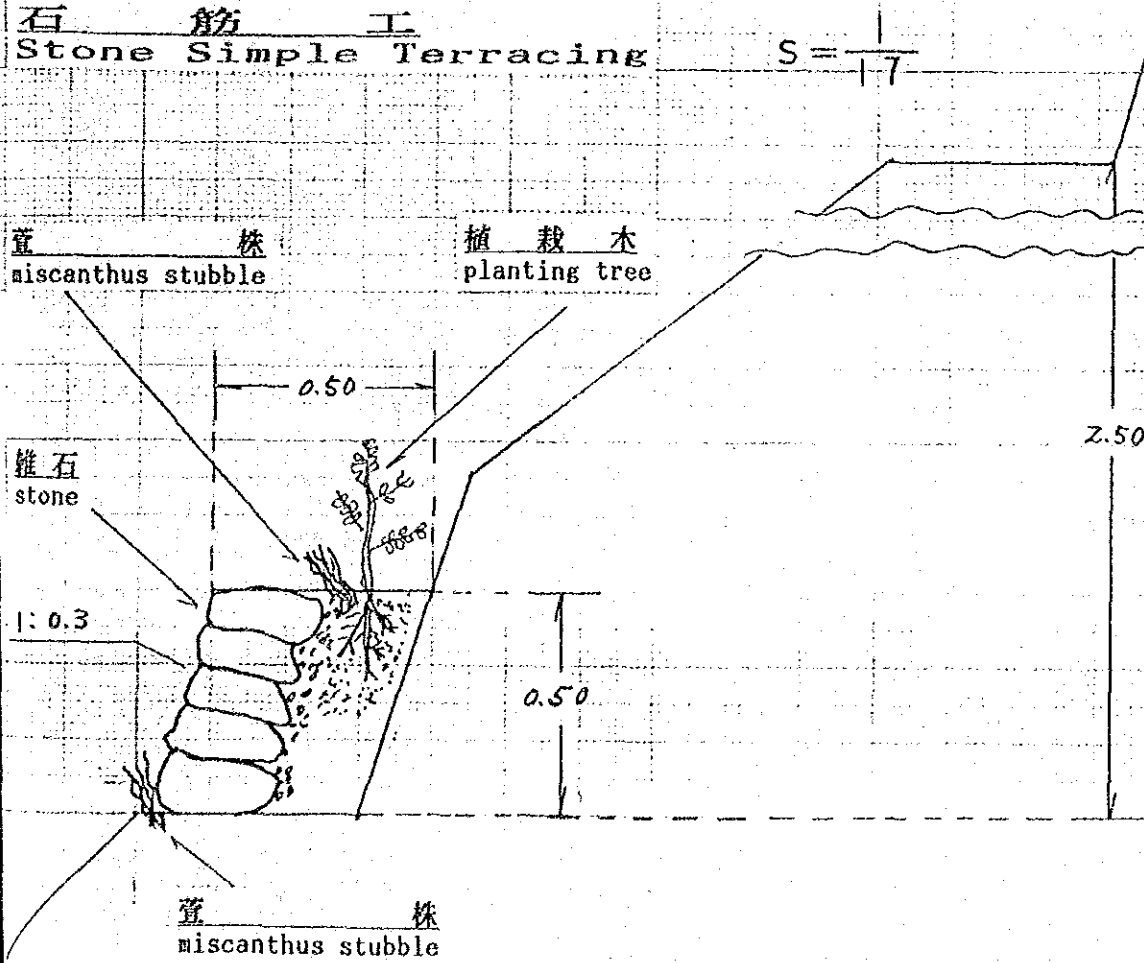
$S = \frac{1}{25}$



張芝水路工
 Sodded Channel



石筋工
 Stone Simple Terracing



凡例 LEGEND

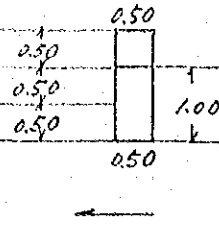
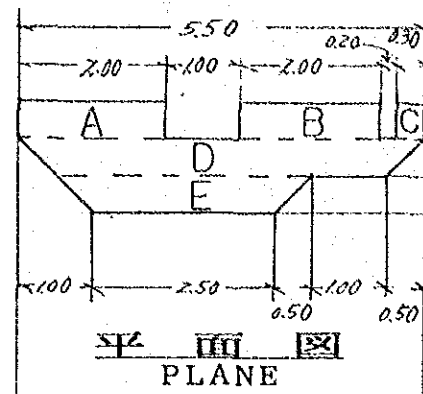
[1]	野面積石積土留工	Quarry Stones Sheathing
[3]	丸太積土留工	Log Fence Sheathing
[1.2]	土のう積土留工	Sand Back Sheathing
②	縦石張水路工	Dry Pithed Channel
①	張芝水路工	Sodded Channel
①	石筋工	Stone Simple Terracing
○	植栽	Planting
□	ライシメーター設定区	Lysimeter Area

取水ダム構造図
STRUCTURE OF INTAKE DAM

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

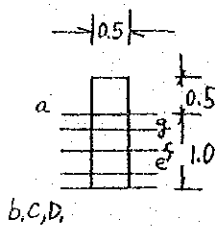
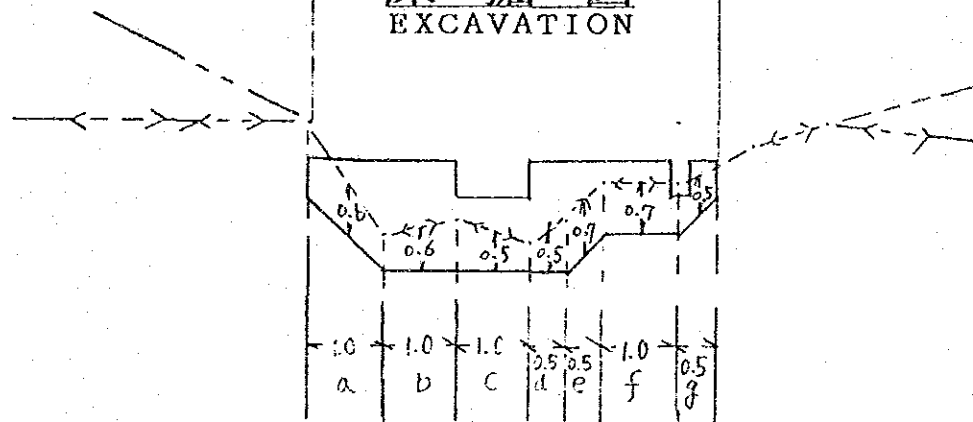
正面図
FRONT VIEW

側面図
SECTION



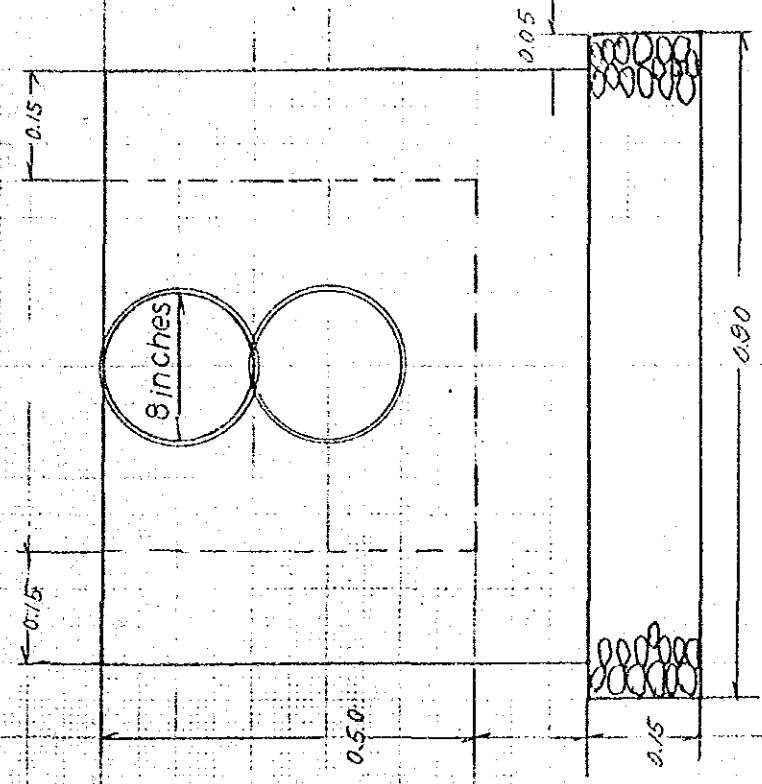
床掘図
EXCAVATION

側面図
SECTION

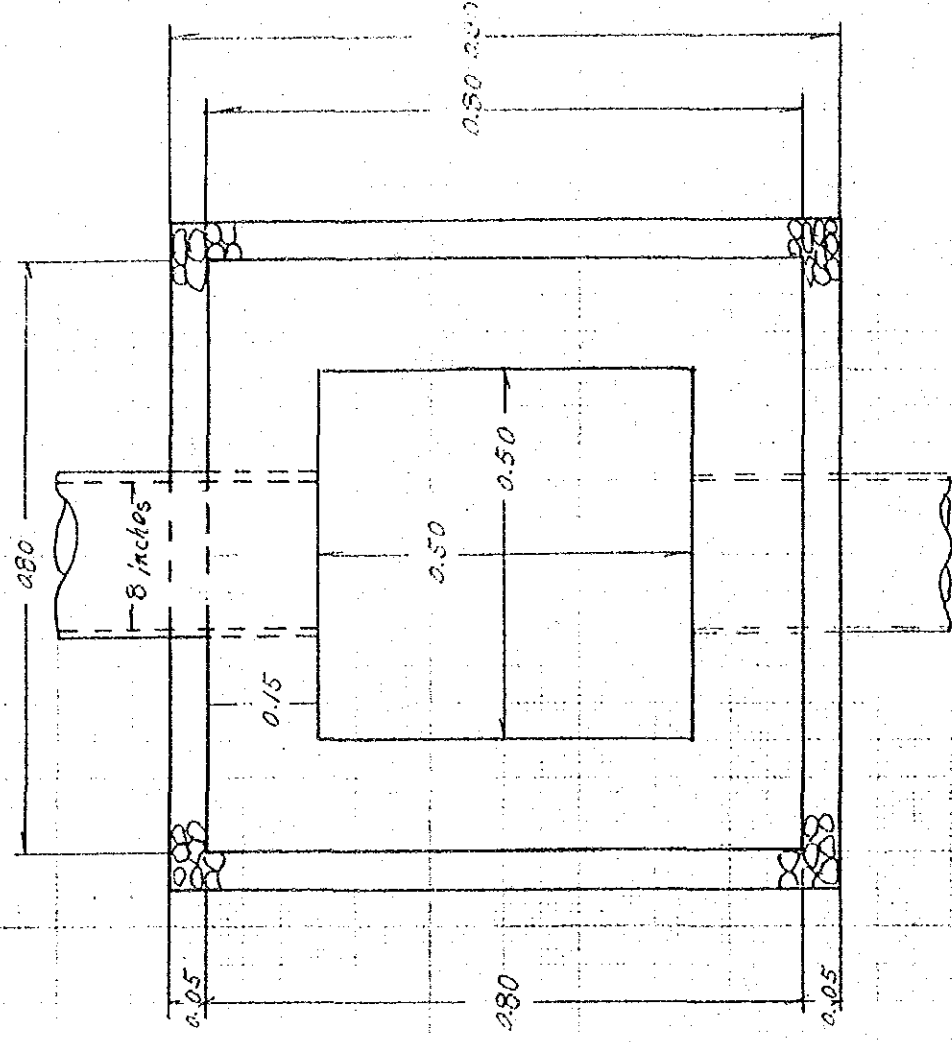


測表(S.P) 200 m 間隔
EVERY SURVEY POINT OF 200m INTERVAL

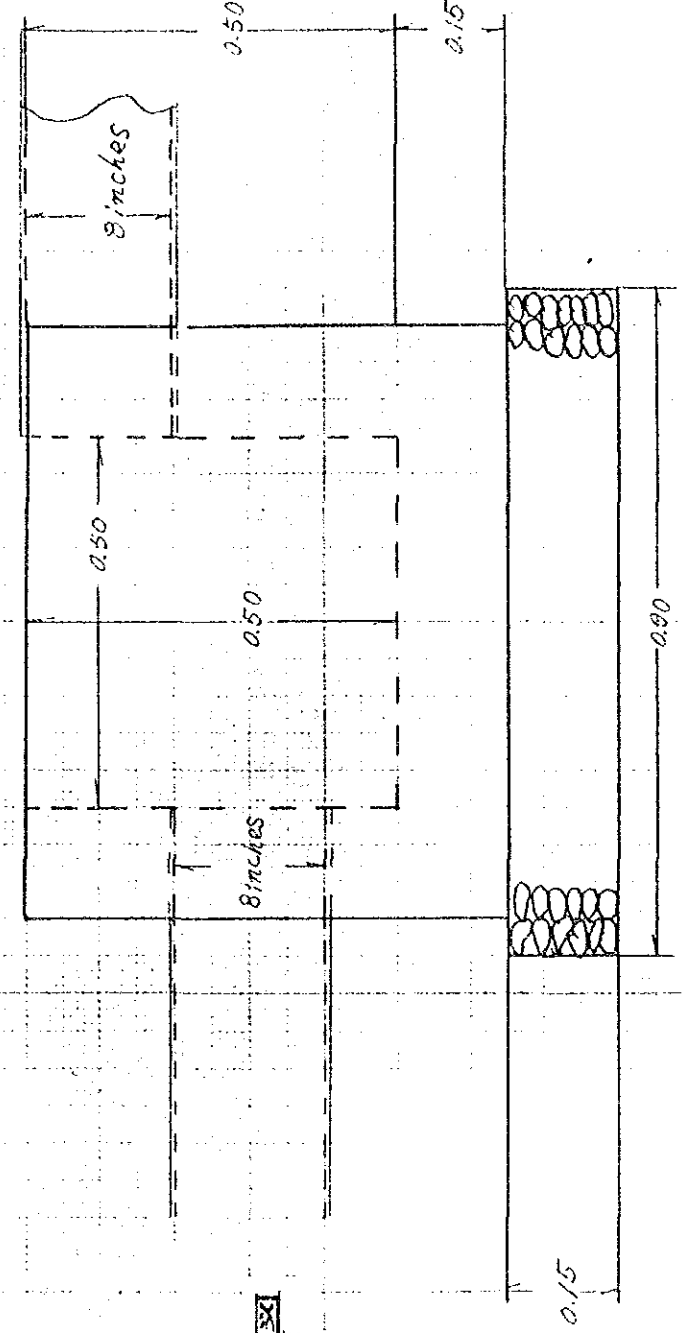
$$S = \frac{1}{10}$$



正 面 圖
FRONT VIEW



平 面 圖
PLANE



側 面 圖
SECTION

JICA