

**INTRODUCTION OF TYPICAL DAMS
IN JAPAN**

JULY 1966

OVERSEAS TECHNICAL COOPERATION AGENCY

TOKYO JAPAN

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INTRODUCTION OF TYPICAL DAMS IN JAPAN

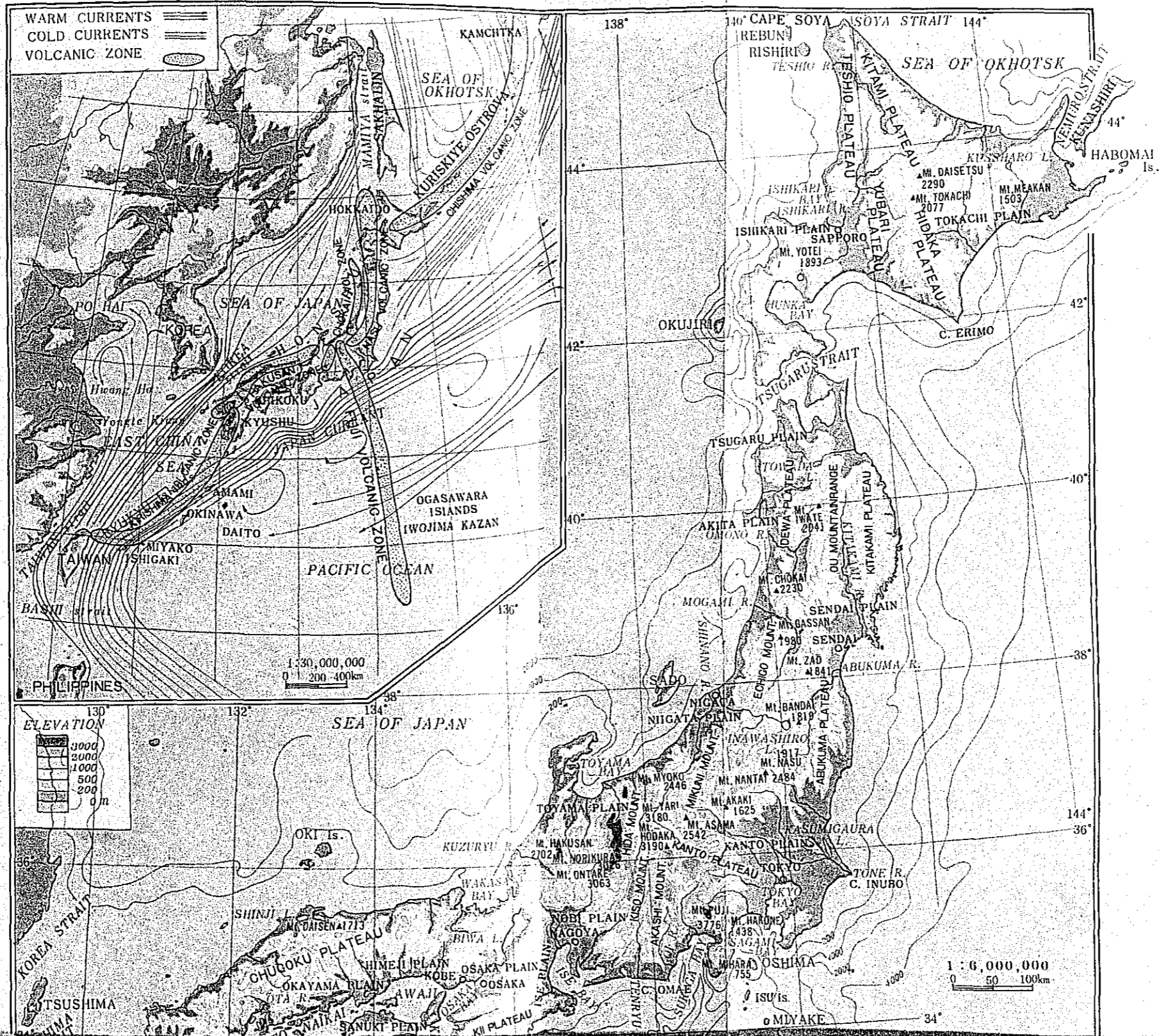
JULY 1966

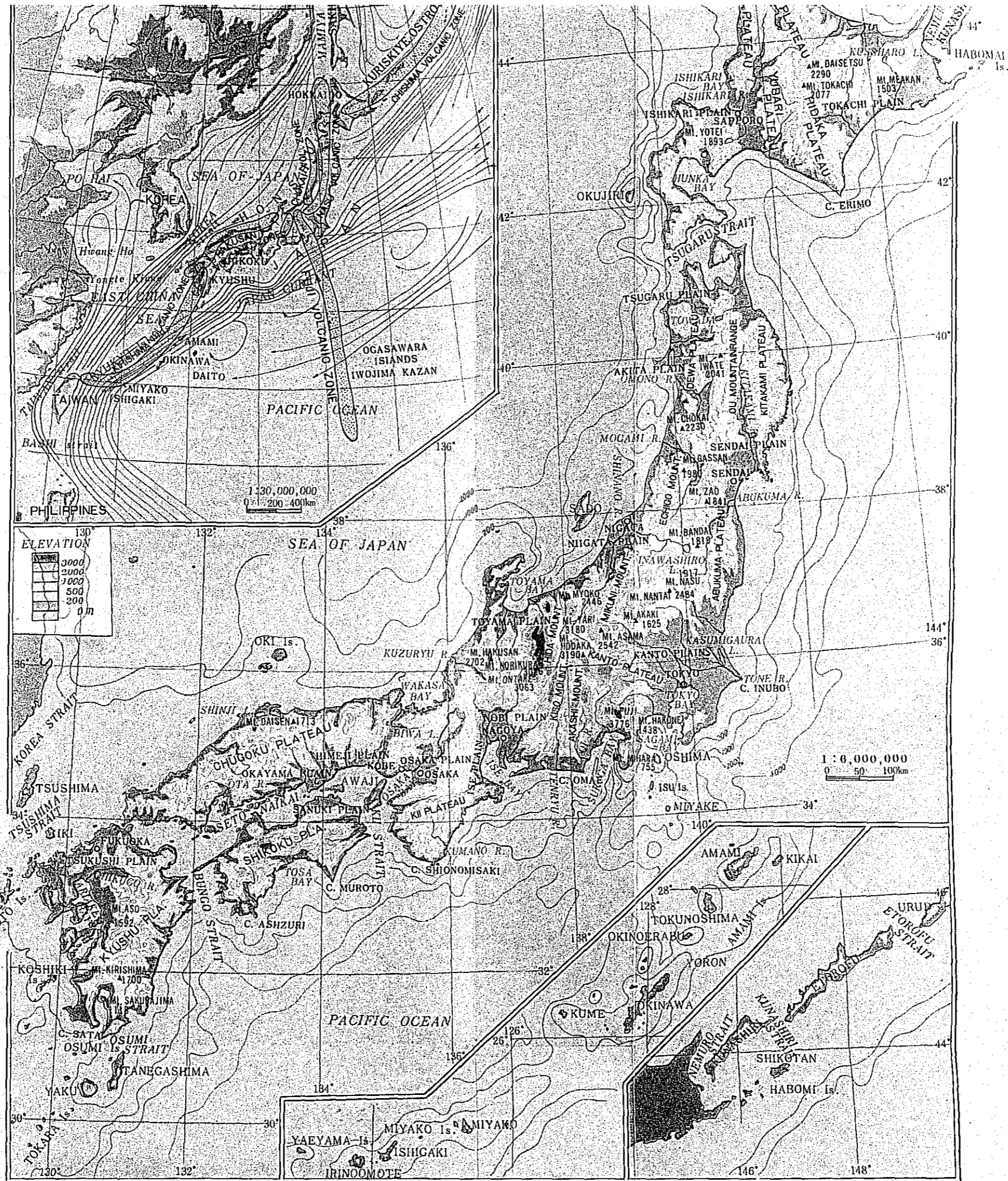
OVERSEAS TECHNICAL COOPERATION AGENCY

TOKYO JAPAN

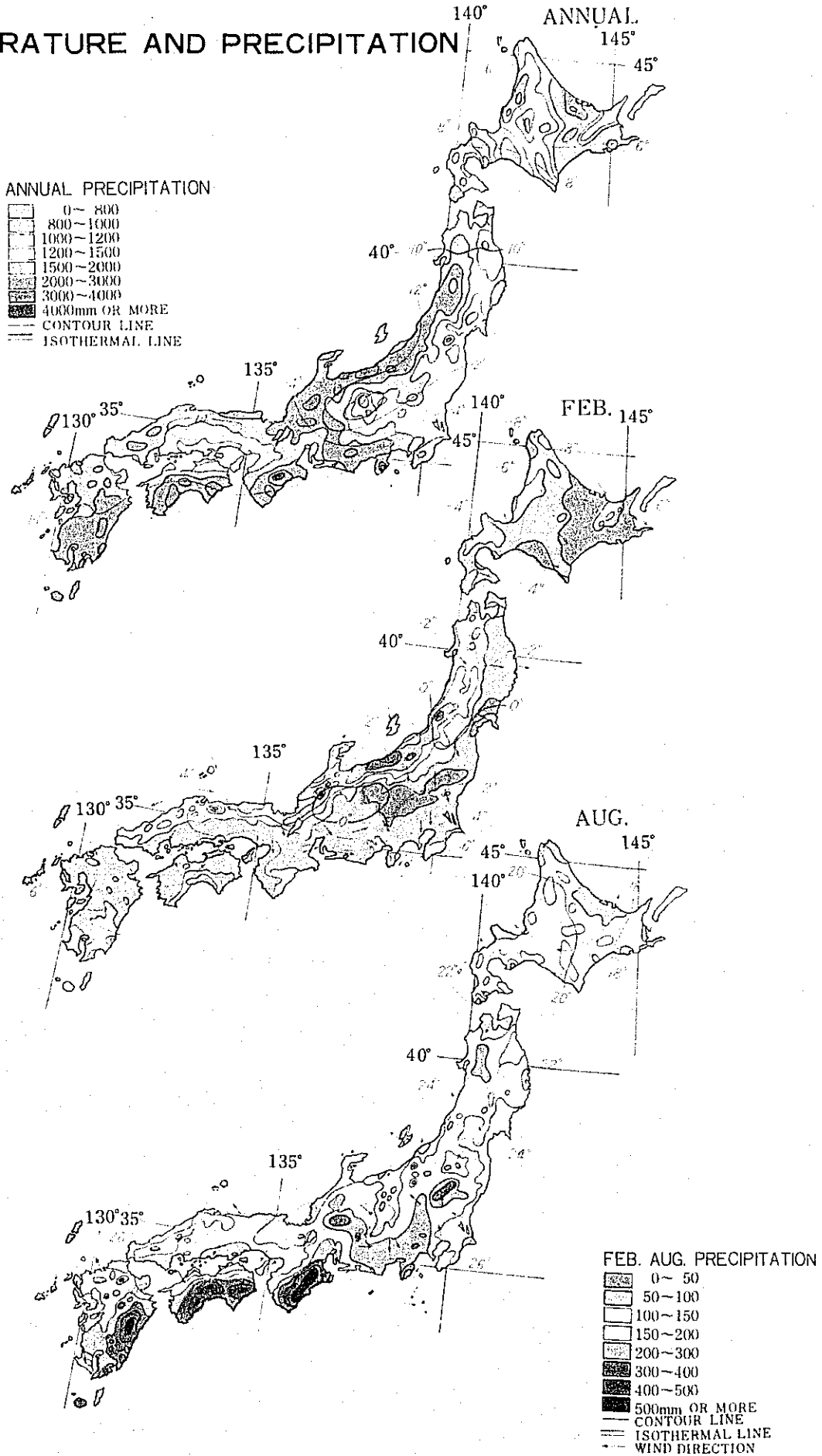
国際協力事業団	
受入 月日	54. 5. 29 '84. 5. 22
登録No.	06461
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マイクロ
フィルム作成

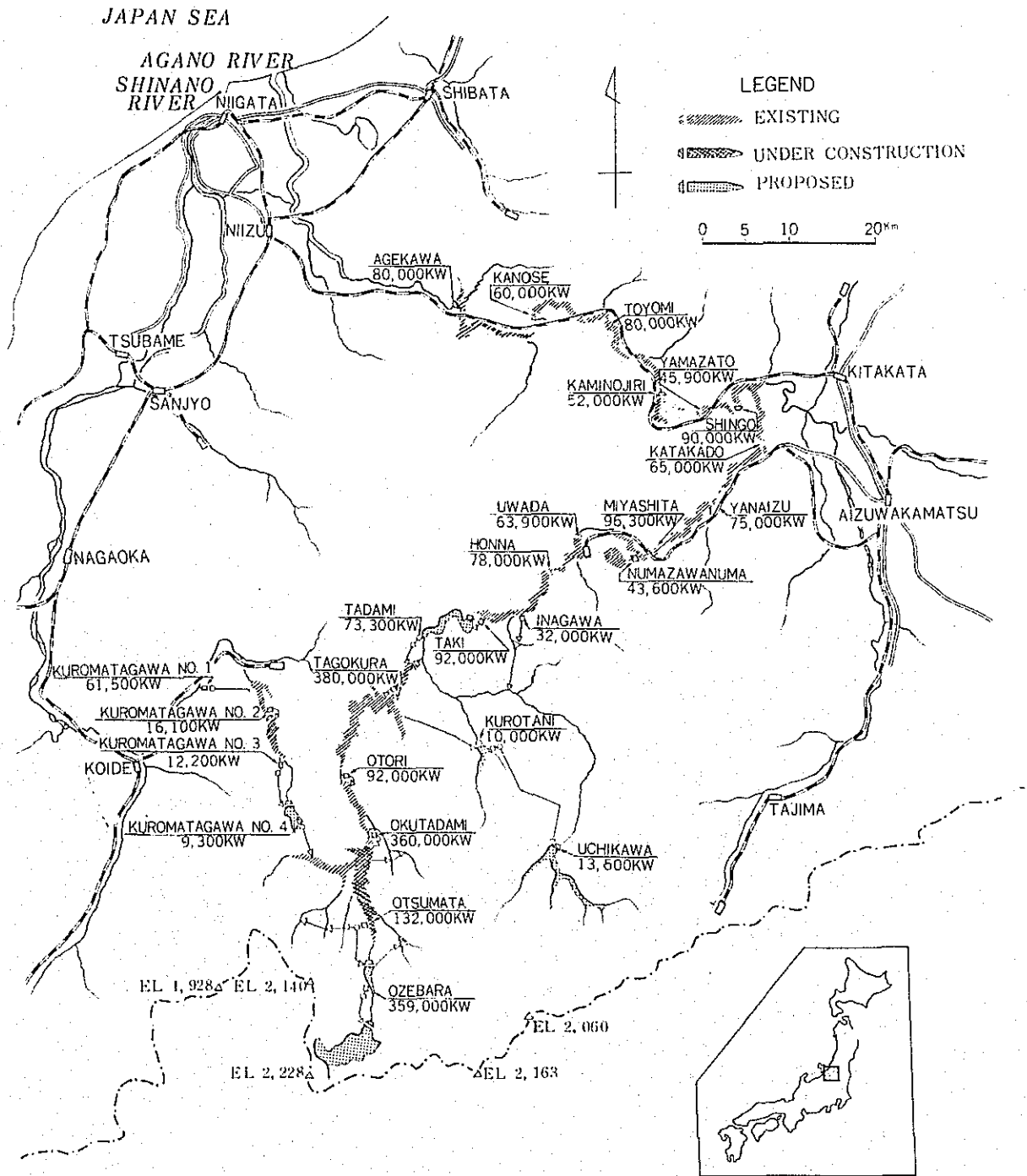




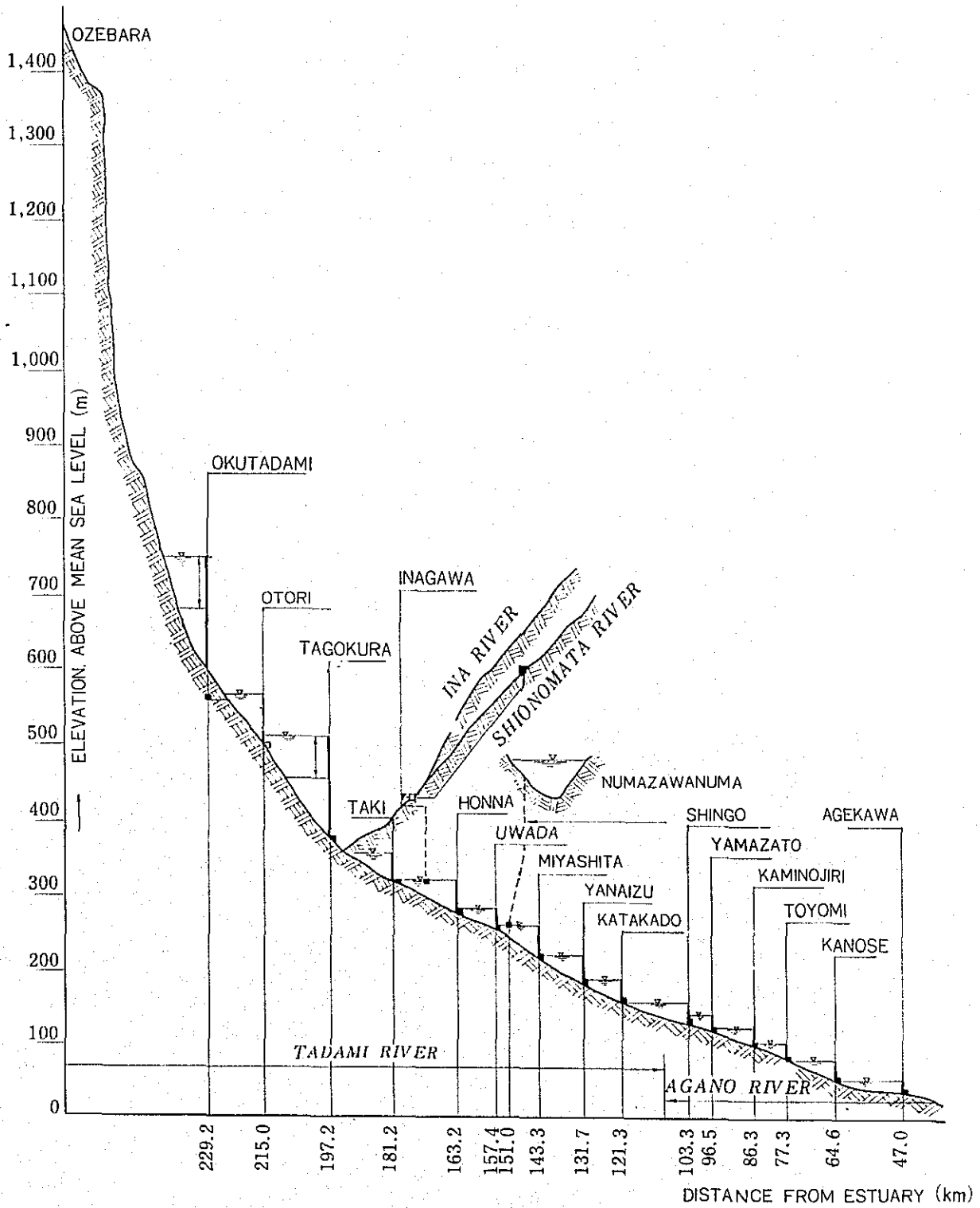
TEMPERATURE AND PRECIPITATION



LOCATION MAP



RIVER PROFILE

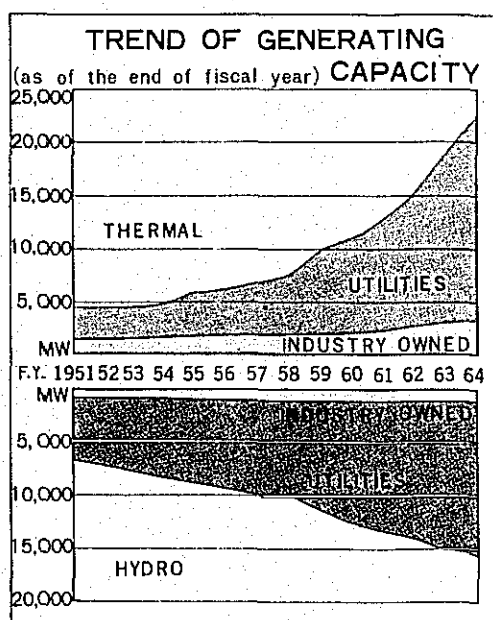
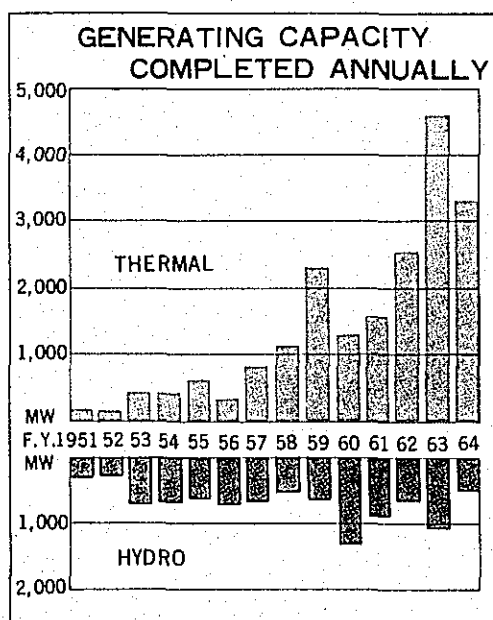


CAPABILITY—PEAK LOAD

(Electric utilities at peak time in December)

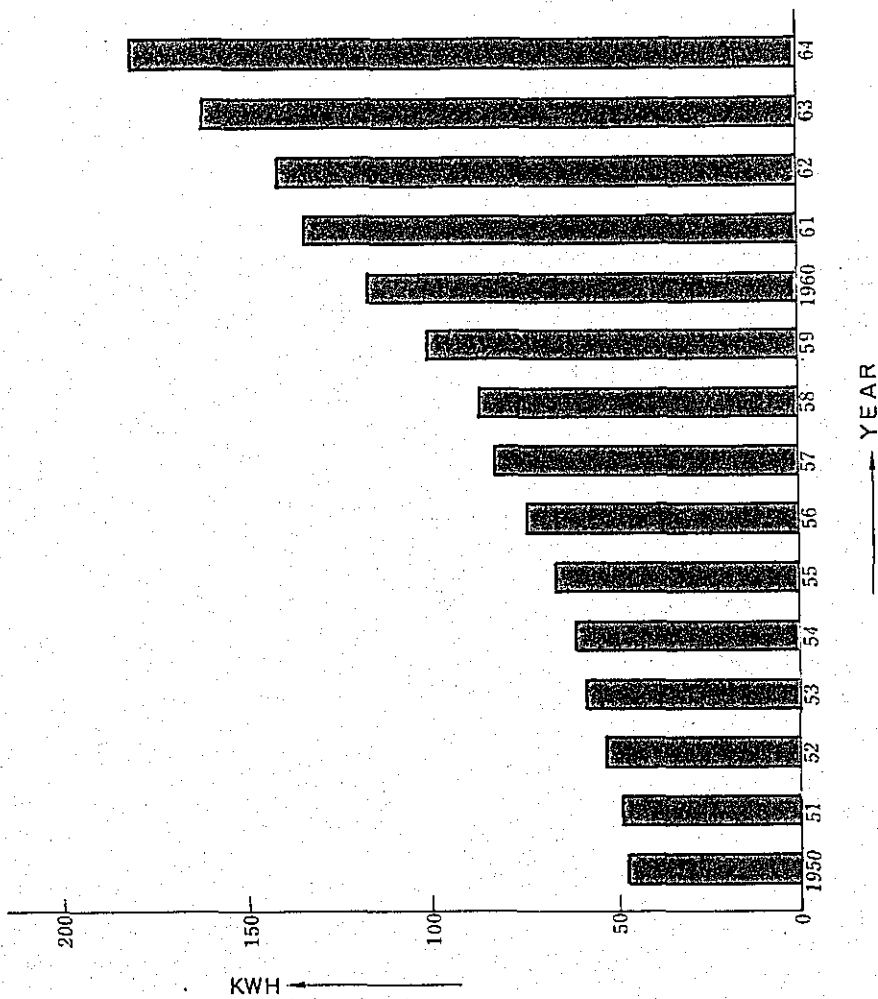
FISCAL YEAR	SUPPLY CAPABILITY (MW)	PEAK LOAD UNCONTROLLED (MW)	BALANCE (MW)	PERCENT OF BALANCE
1951	6,467	7,235	-768	-10,6
1952	6,933	7,743	-810	-10,5
1953	7,845	8,508	-663	-7,8
1954	8,434	8,754	-320	-3,7
1955	9,331	9,494	-168	-1,7
1956	10,440	10,537	-97	-0,9
1957	11,314	11,440	-126	-1,1
1958	12,355	12,355	0	0
1959	14,621	14,621	0	0
1960	16,886	16,886	0	0
1961	19,032	19,032	0	0
1962	20,062	20,062	0	0
1963	25,091	22,897	2,194	9,6
1964	27,927	25,447	2,480	9,7

Note : 1. The minus mark "-" stands for deficiency.



ANNUAL ENERGY PRODUCTION IN JAPAN

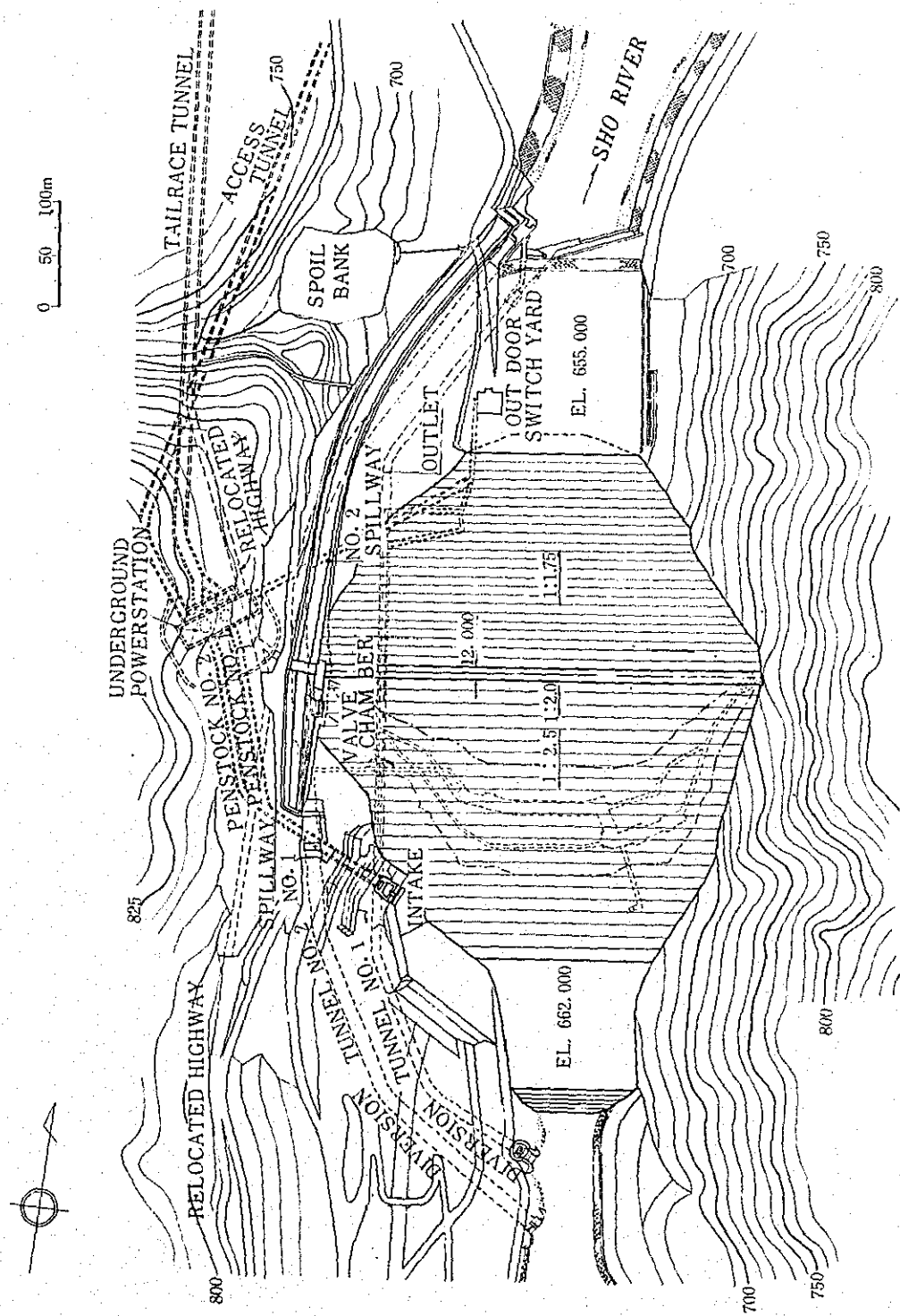
YEAR	ANNUAL ENERGY X 10 ⁶ KWH	INDEX
1950	46.266	100.0
1951	47.864	103.5
1952	51.965	112.3
1953	57.455	124.2
1954	60.034	129.8
1955	65.241	141.0
1956	73.586	159.1
1957	81.277	175.7
1958	85.421	184.6
1959	99.108	214.2
1960	115.497	249.6
1961	132.038	285.4
1962	140.368	303.4
1963	160.203	346.3
1964	179.592	388.2



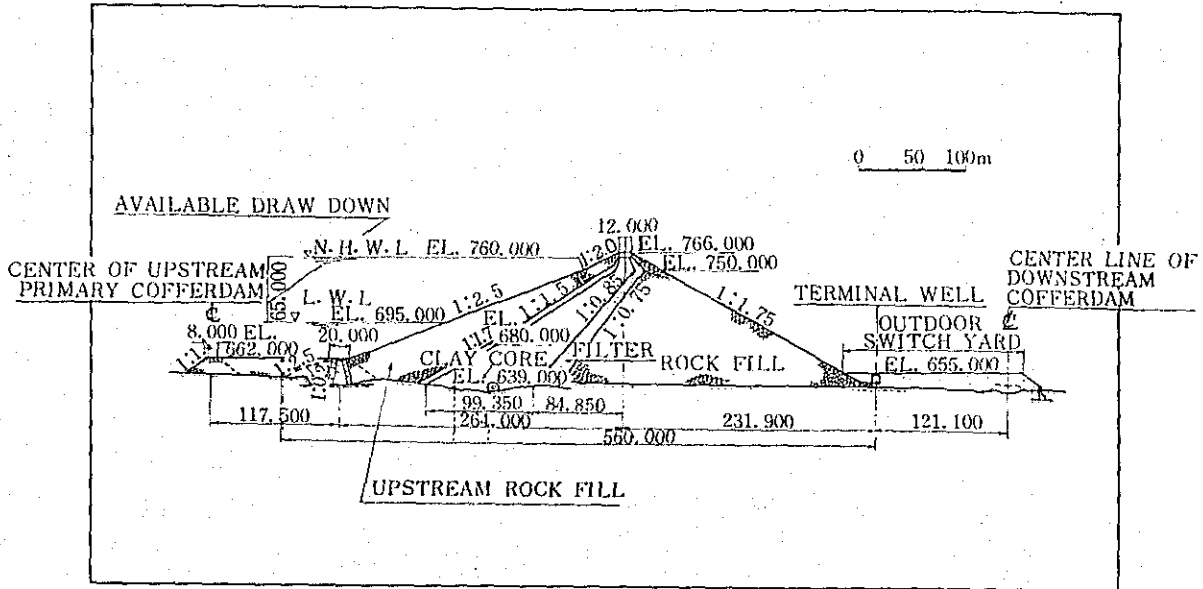
OUT LINE

NAME OF DAM	TYPE	HEIGHT (m)	CREST LENGTH (m)	VOLUME (m ³)	OWNER	ENGINEERING BY	CONSTRUCTION BY	PURPOSE
MIBORO	ROCK-FILL TYPE STRUCTURE WITH INCLINED IMPERVIOUS CLAY CORE	131	405	8,000,000	ELECTRIC POWER DEVELOPMENT CO., LTD.	ELECTRIC POWER DEVELOPMENT CO., LTD.	KUMAGAI-GUMI CO., LTD.	FLOOD CONTROL AND POWER
YANASE	ROCK-FILL TYPE STRUCTURE WITH CENTER IMPERVIOUS CLAY CORE	115	202	2,800,000	"	"	KAJIMA CONSTRUCTION CO., LTD.	"
NOZORI	ROCK-FILL TYPE STRUCTURE WITH A REINFORCED CONCRETE FACING SLAB	44	152	183,000	TOKYO ELECTRIC POWER CO., LTD.	TOKYO ELECTRIC POWER CO., LTD.	NISHIMATSU CONSTRUCTION CO., LTD.	"
HATANAGI	HOLLOW GRAVITY	125	269	583,000	CHUBU ELECTRIC POWER CO., LTD.	CHUBU ELECTRIC POWER CO., LTD.	HAZAMA-GUMI CO., LTD.	"
OKUTADAMI	CONCRETE STRAIGHT GRAVITY	157	450	1,612,000	ELECTRIC POWER DEVELOPMENT CO., LTD.	ELECTRIC POWER DEVELOPMENT CO., LTD.	KAJIMA CONSTRUCTION CO., LTD.	"
SAKAMOTO	ARCH	103	256	170,000	"	"	KUMAGAI-GUMI CO., LTD.	"
IKEHARA	ARCH	111	460	646,000	"	"	"	"
YAGIZAWA	ARCH	131	402	580,000	WATER RESOURCES DEVELOPMENT CORPORATION	WATER RESOURCE DEVELOPMENT CORPORATION	"	FLOOD CONTROL, POWER, IRRIGATION AND INDUSTRIAL WATER SUPPLY
Ō KIJURA	ARCH	82	324	226,000	MINISTRY OF CONSTRUCTION	MINISTRY OF CONSTRUCTION	MAEDA CONSTRUCTION CO., LTD.	FLOOD CONTROL, POWER, IRRIGATION MUNICIPAL AND INDUSTRIAL WATER SUPPLY
KUROMATA GAWA No.2	ARCH	82	204	85,000	ELECTRIC POWER DEVELOPMENT CO., LTD.	ELECTRIC POWER DEVELOPMENT CO., LTD.	SHIMIZU CONSTRUCTION CO., LTD.	FLOOD CONTROL, AND POWER
KAWAMATA	ARCH	120	137	200,000	TOKYO ELECTRIC POWER CO., LTD.	TOKYO ELECTRIC POWER CO., LTD.	KAJIMA CONSTRUCTION CO., LTD.	"
Ō TORI	ARCH GRAVITY	83	180	160,000	ELECTRIC POWER DEVELOPMENT CO., LTD.	ELECTRIC POWER DEVELOPMENT CO., LTD.	MAEDA CONSTRUCTION CO., LTD.	"
NANAIRO	ARCH GRAVITY	60	200	150,000	"	"	Ō BAYASHI-GUMI CO., LTD.	"
Ō GOUCHI	CONCRETE STRAIGHT GRAVITY	149	353	1,675,000	TOKYO METROPOLITAN GOVERNMENT	TOKYO METROPOLITAN GOVERNMENT	KAJIMA CONSTRUCTION CO., LTD.	FLOOD CONTROL, POWER, IRRIGATION AND MUNICIPAL WATER SUPPLY

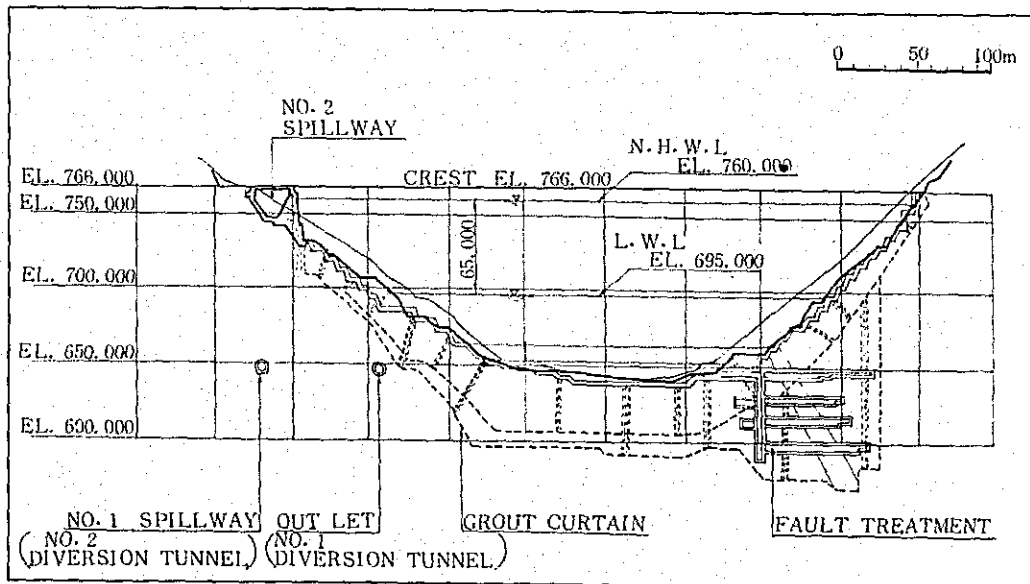
MIBORO DAM PLAN



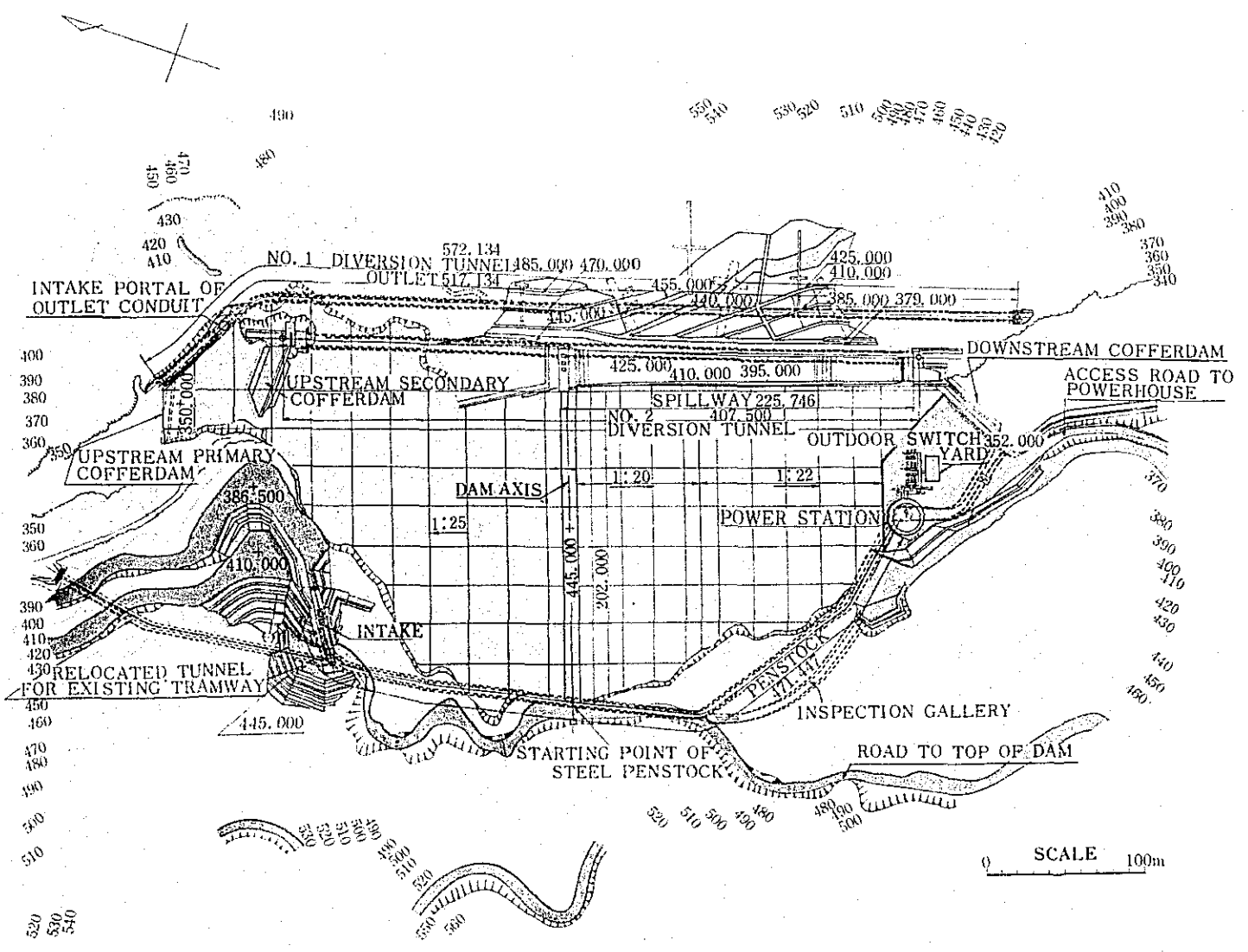
MIBORO DAM TYPICAL SECTION



UPSTREAM ELEVATION

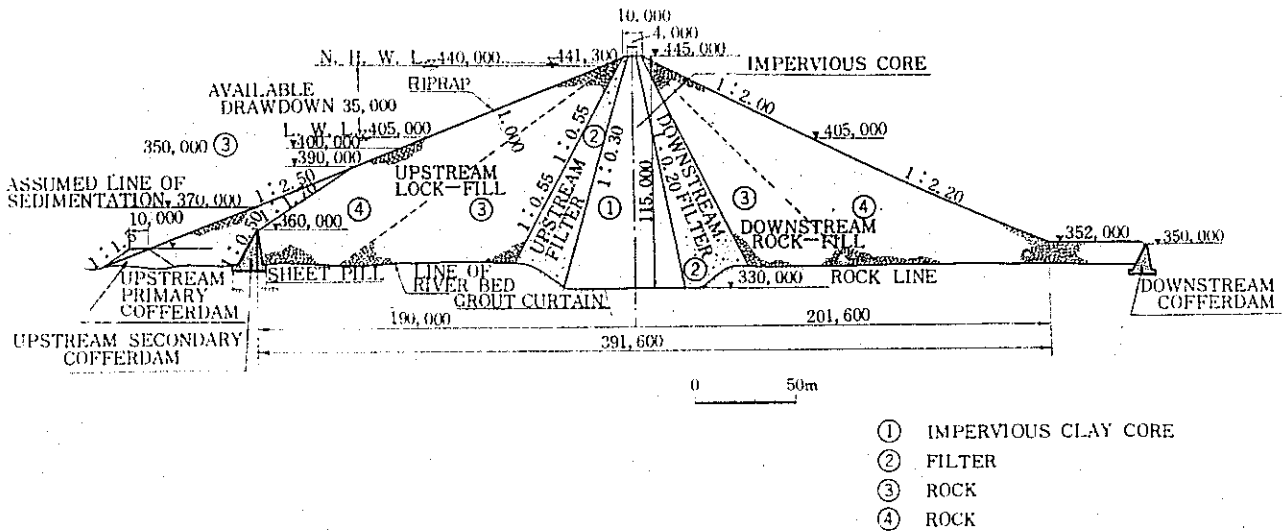


YANASE DAM 1-2 PLAN

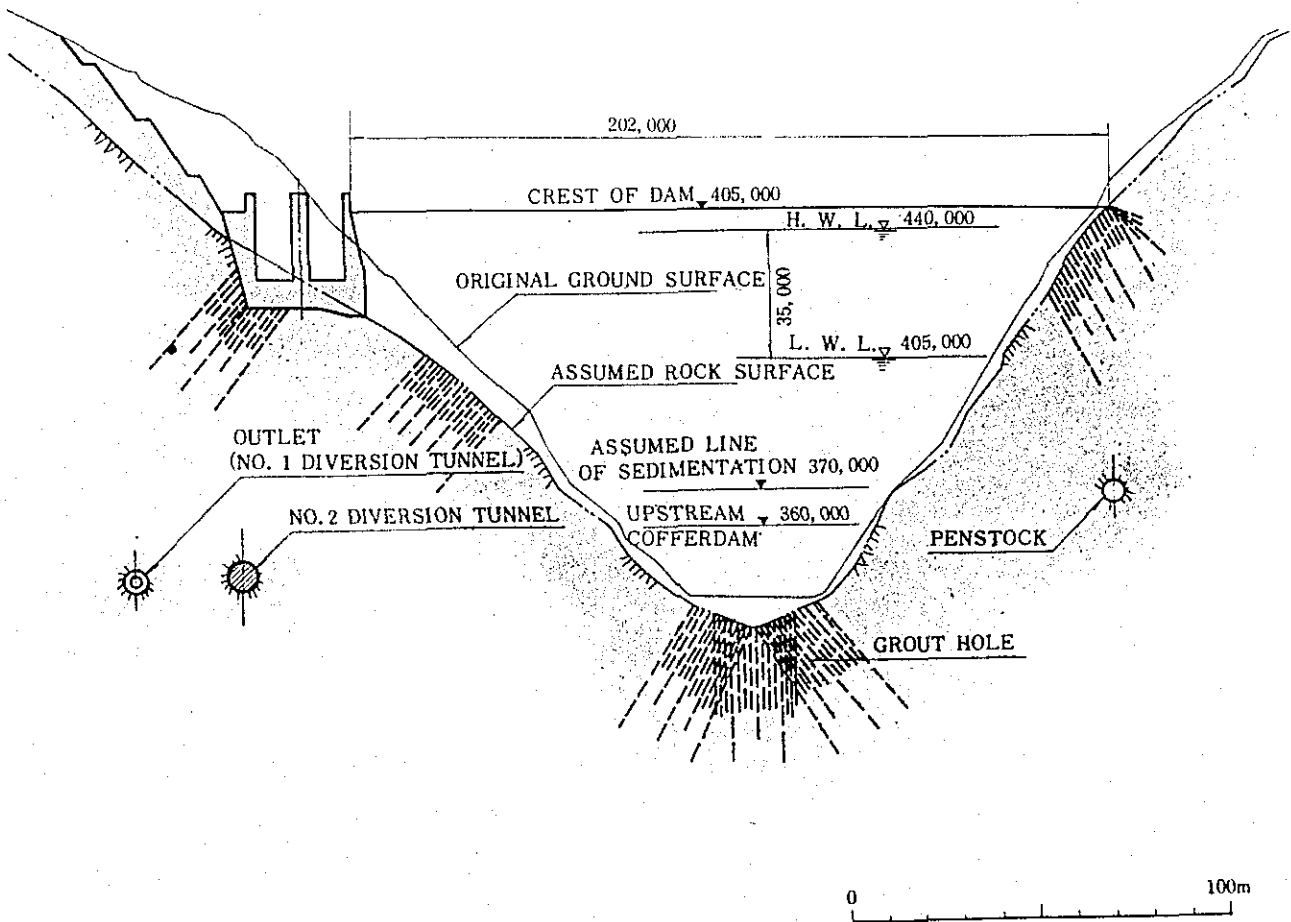


YANASE DAM

TYPICAL SECTION

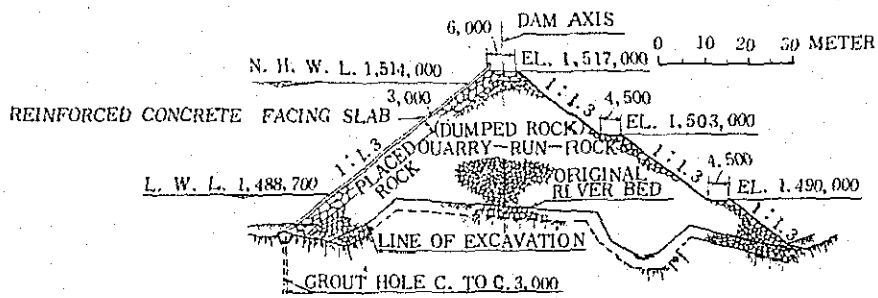


LONGITUDINAL SECTION ALONG CENTER LINE

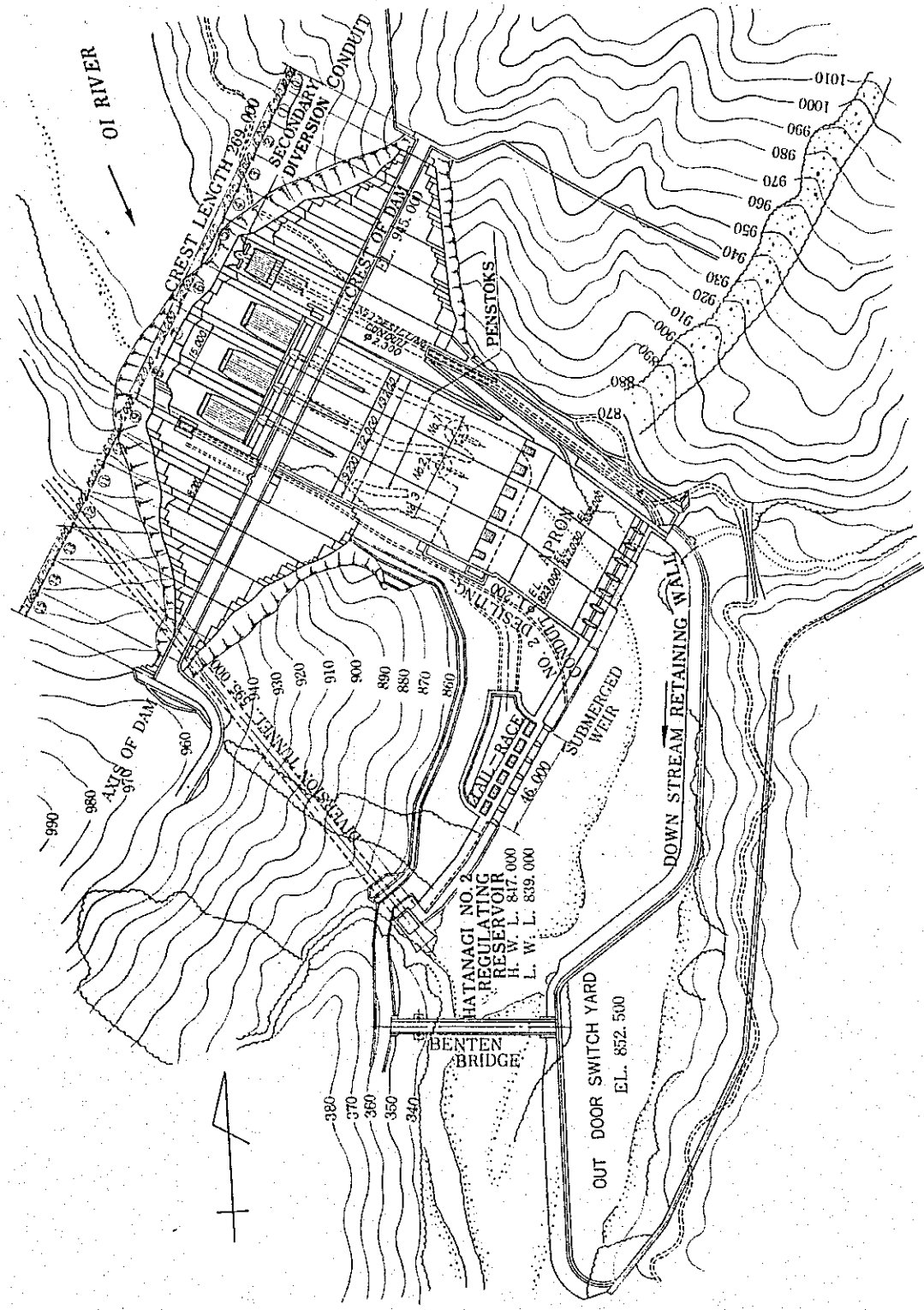


NOZORI DAM

TYPICAL SECTION

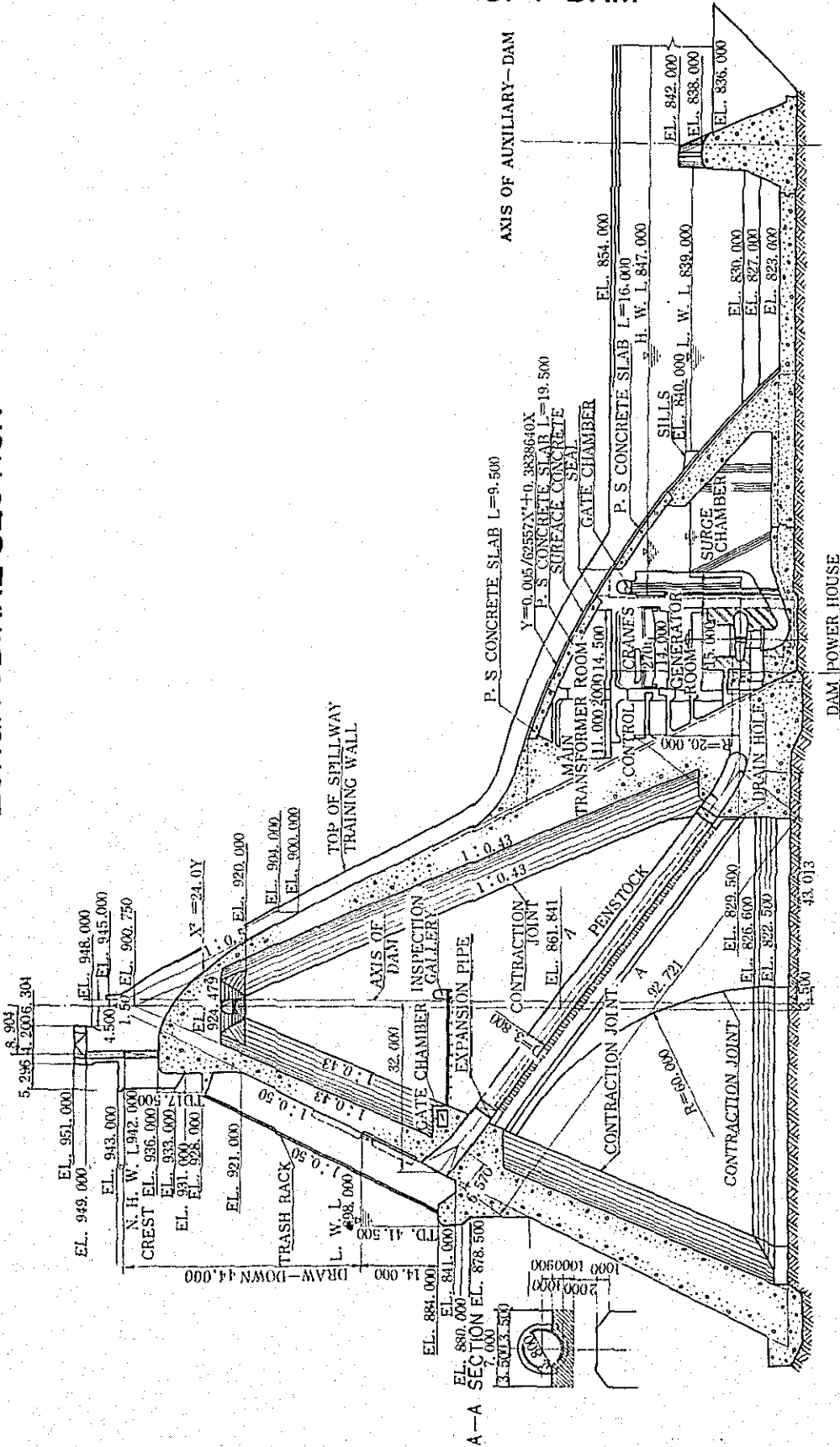


HATANAGI NO. 1 DAM PLAN

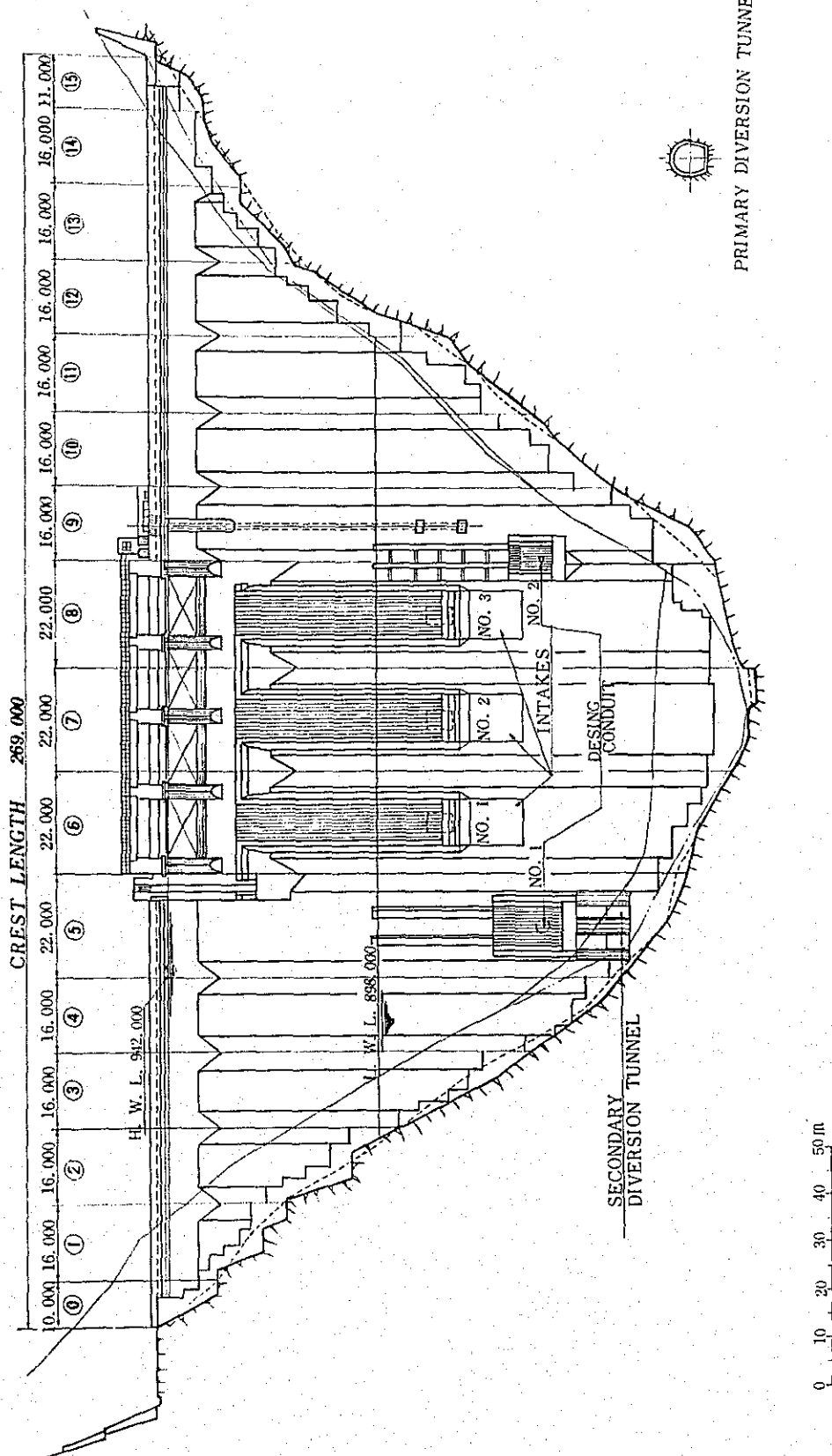


HATANAGI NO. 1 DAM

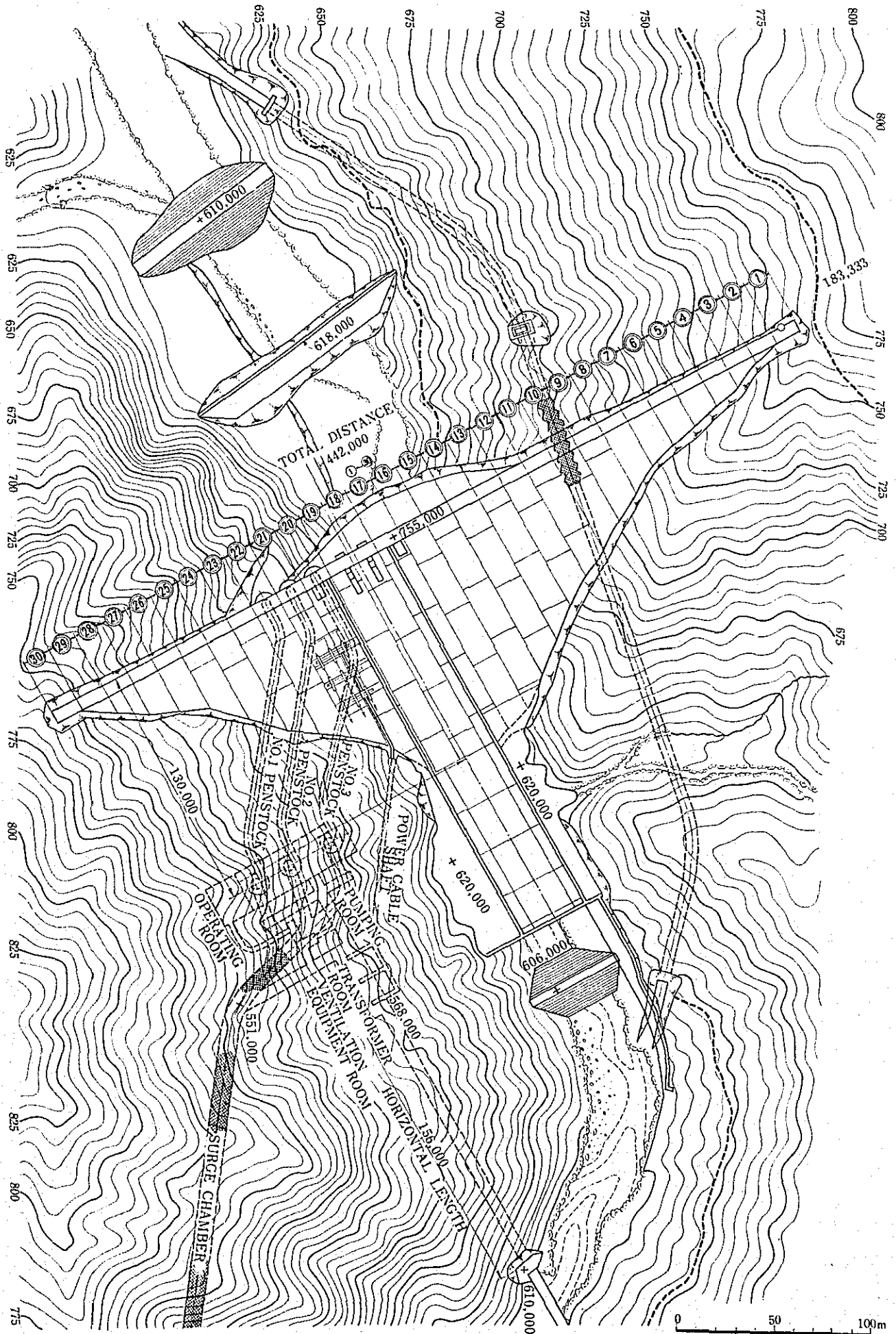
LONGITUDINAL SECTION



2. HATANAGI NO. 1 DAM UPSTREAM ELEVATION

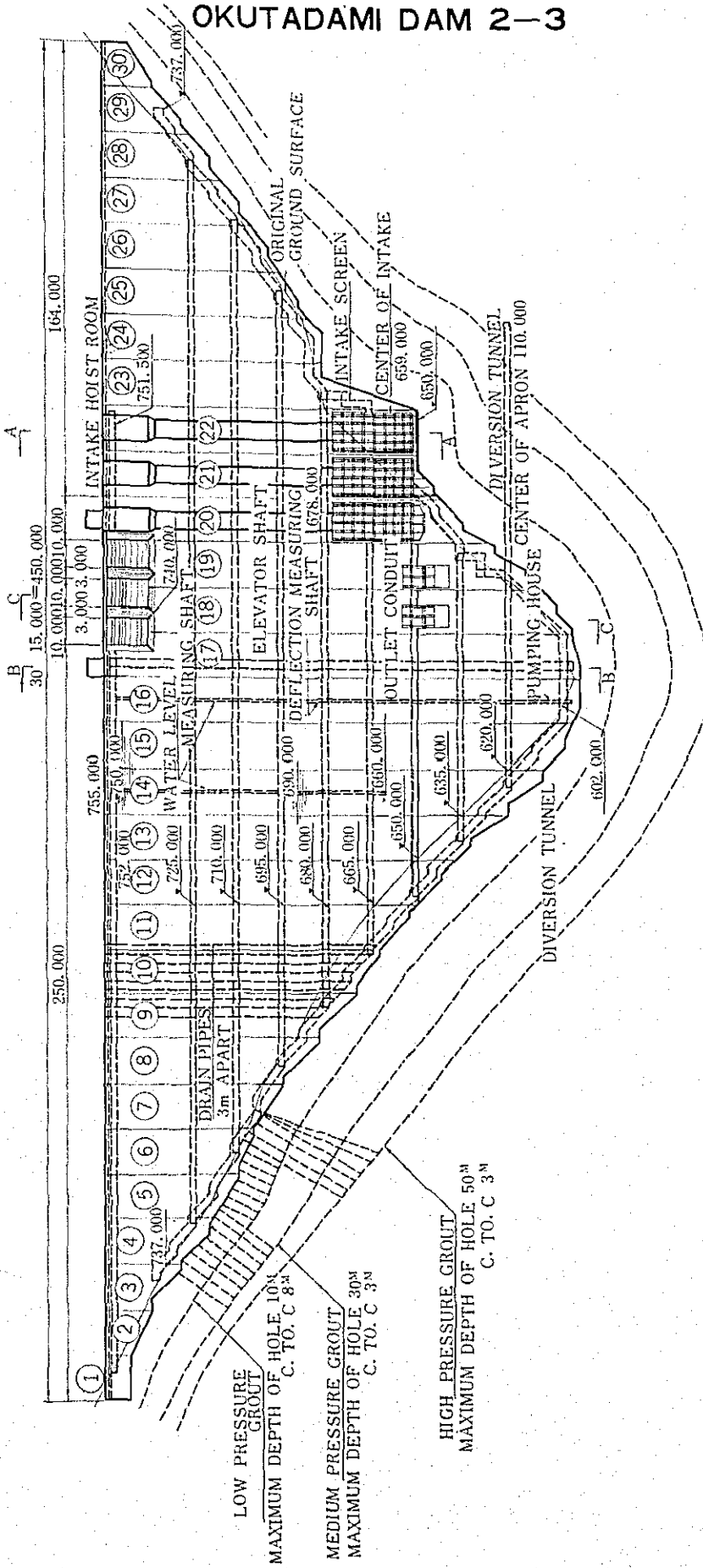


OKUTADAMI DAM PLAN

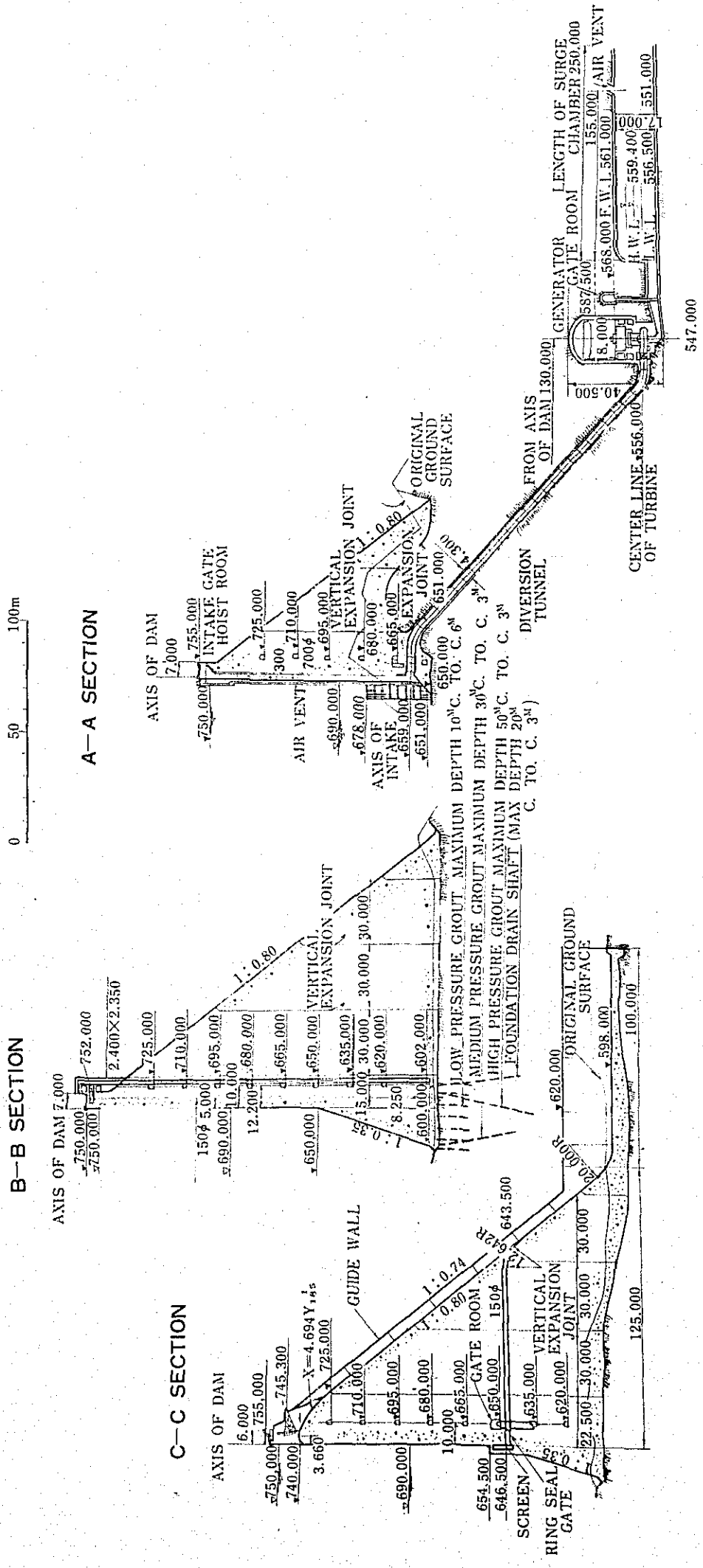


UPSTREAM ELEVATION

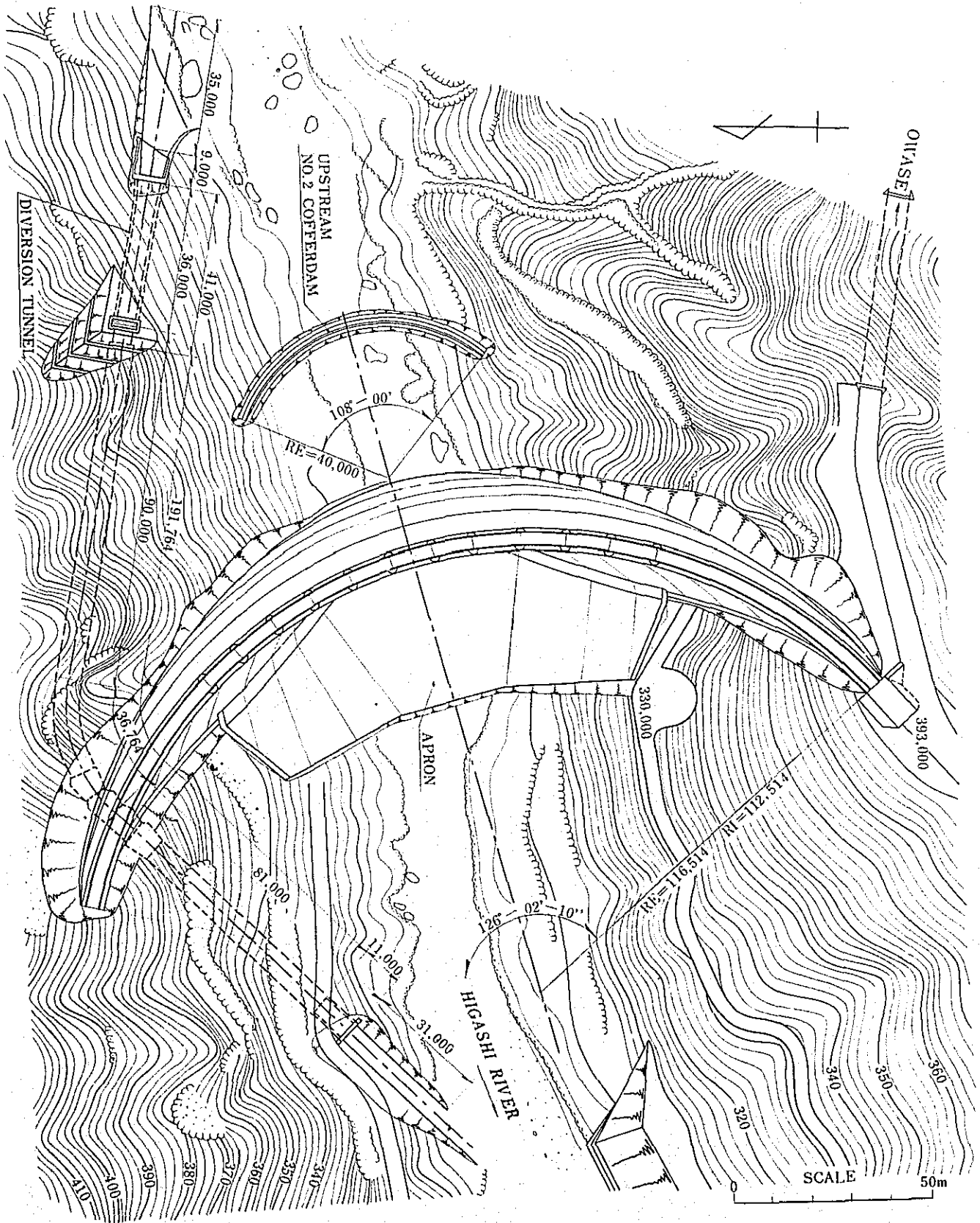
OKUTADAMI DAM 2-3



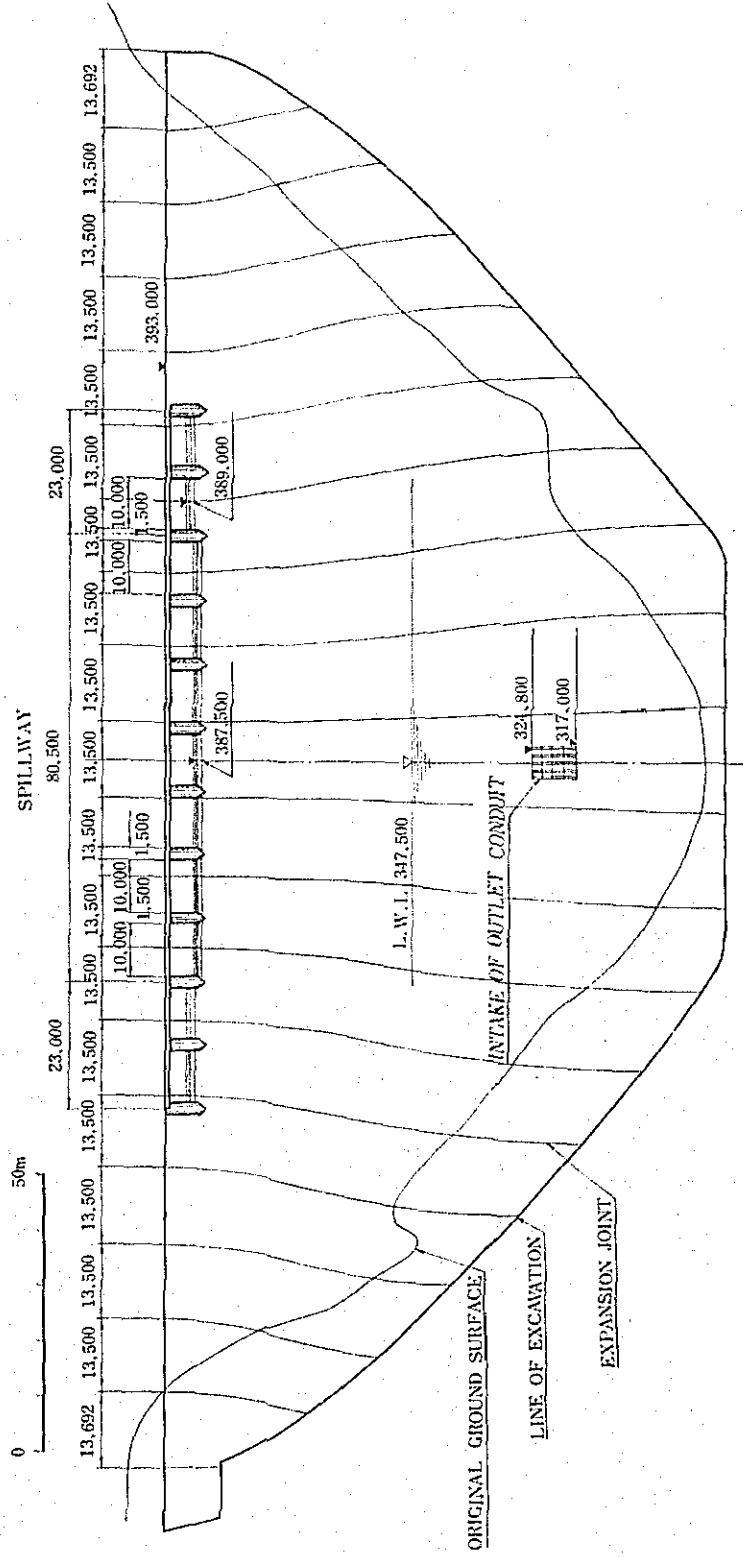
OKUTADAMI DAM



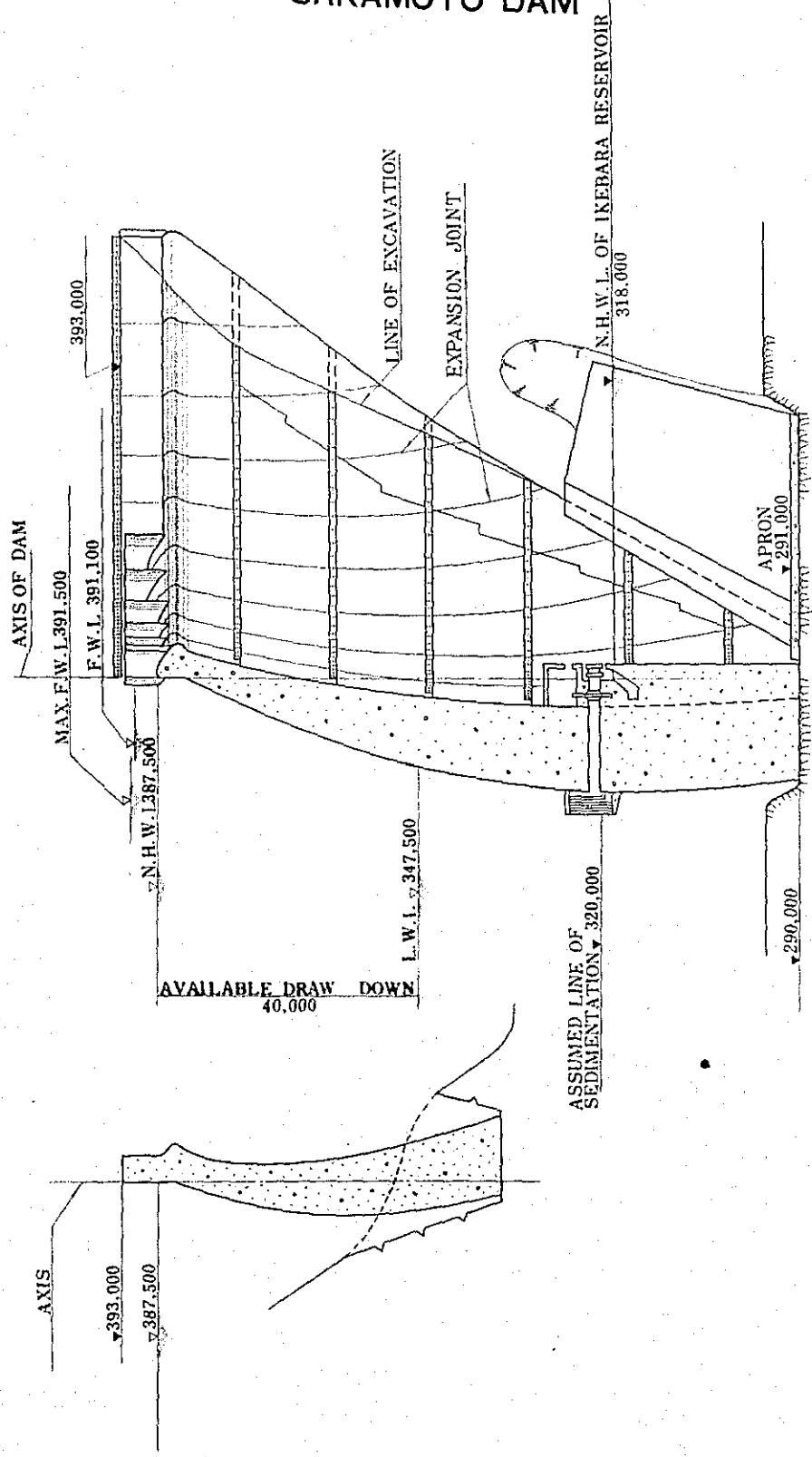
SAKAMOTO DAM PLAN



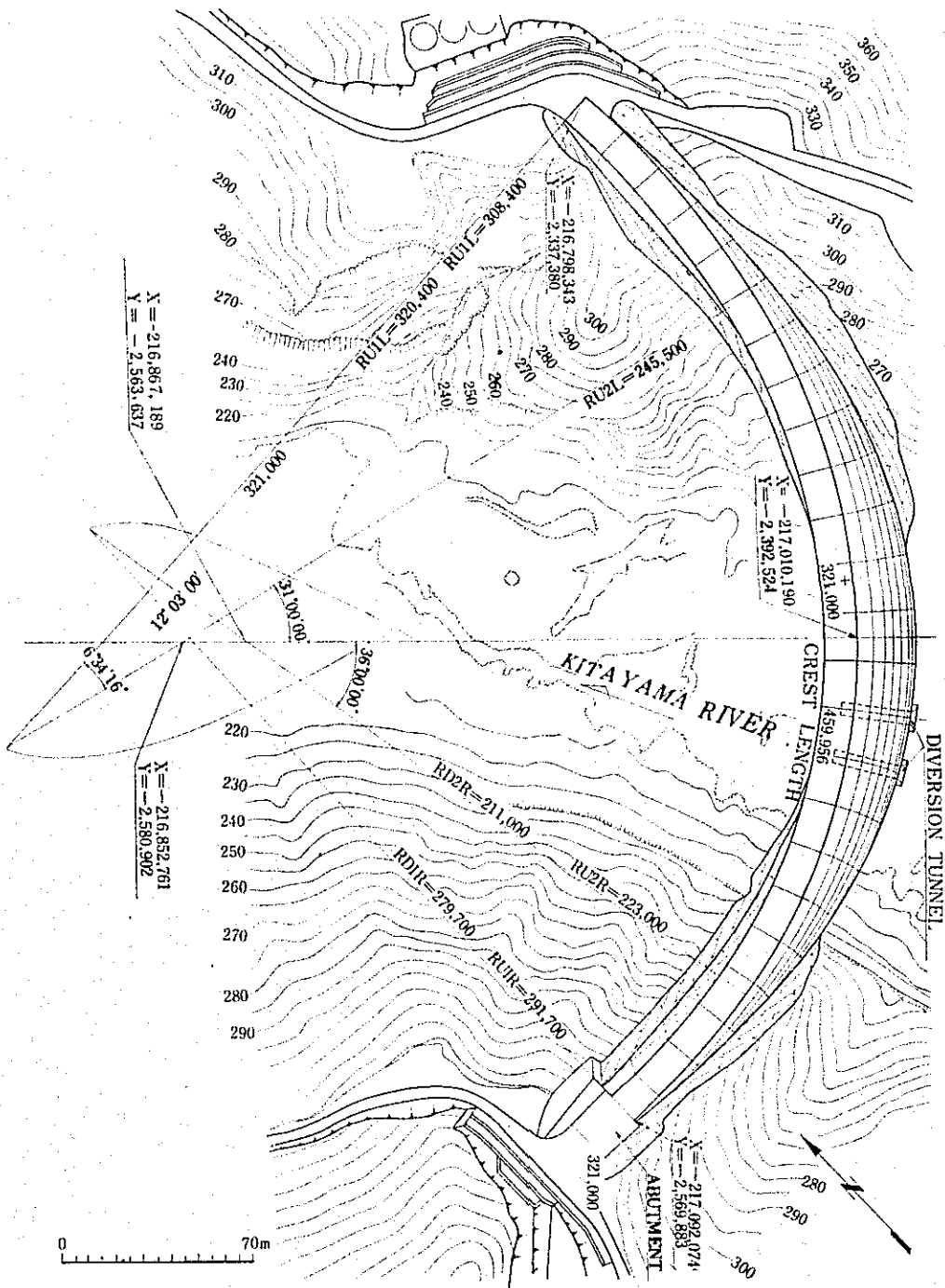
UPSTREAM ELEVATION



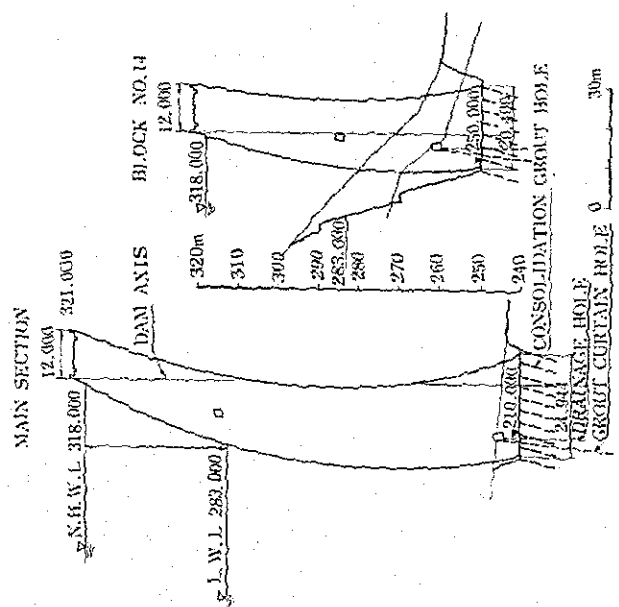
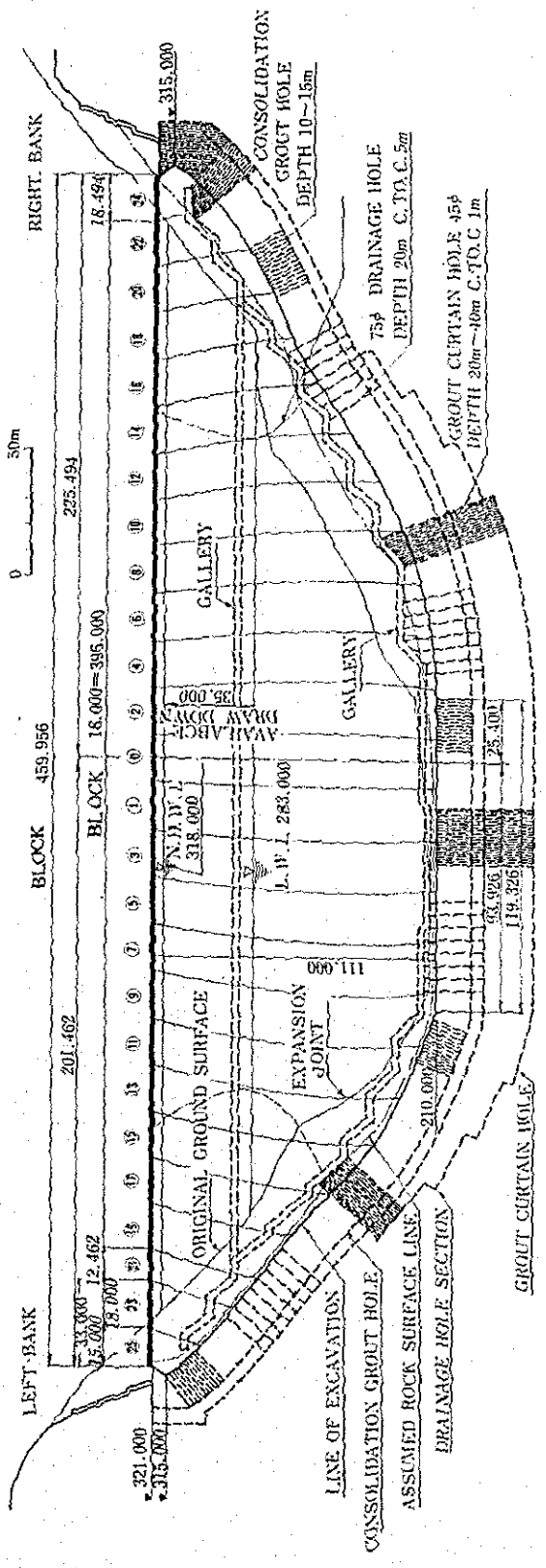
SAKAMOTO DAM



IKEHARA DAM PLAN

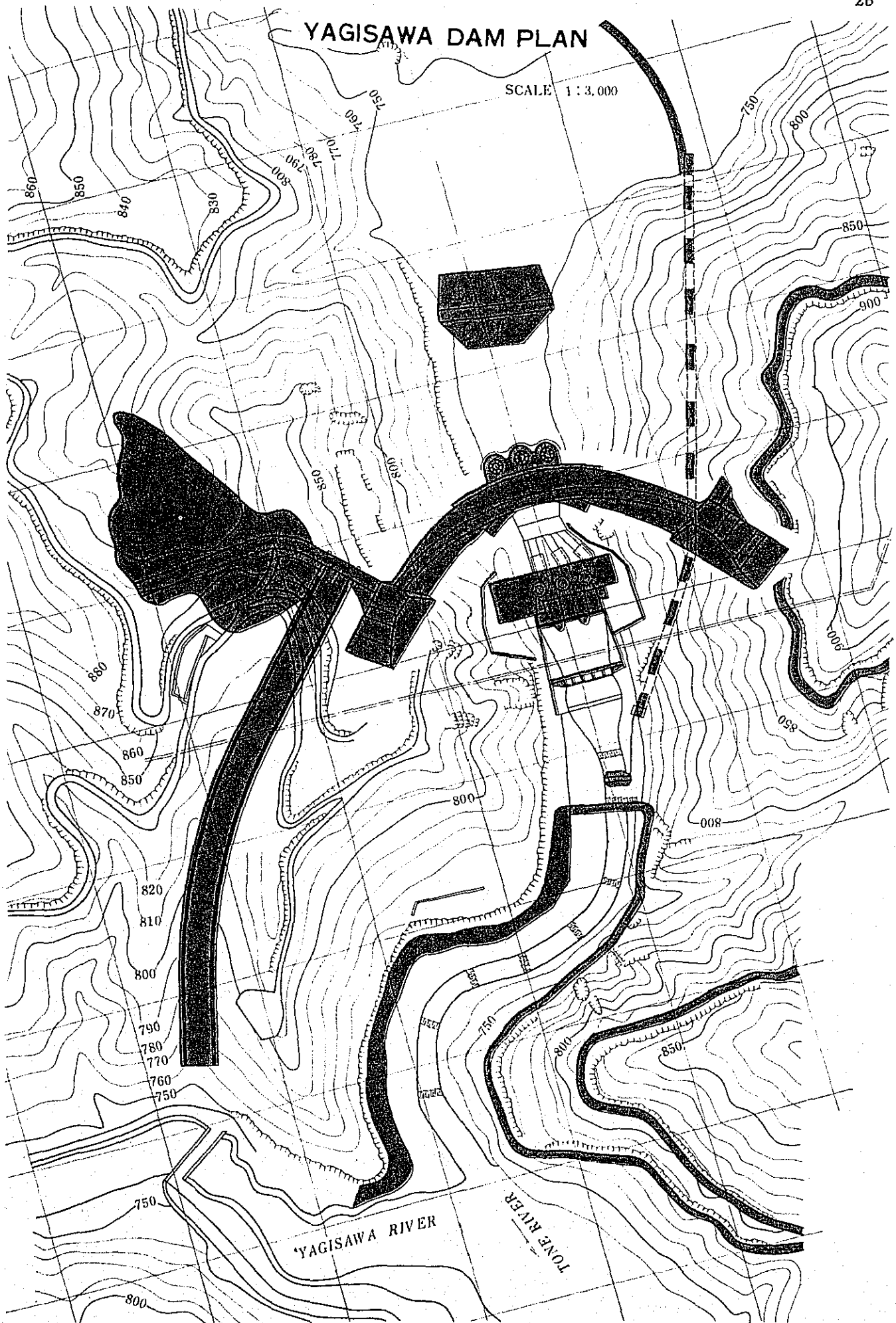


UPSTREAM ELEVATION



YAGISAWA DAM PLAN

SCALE 1 : 3,000



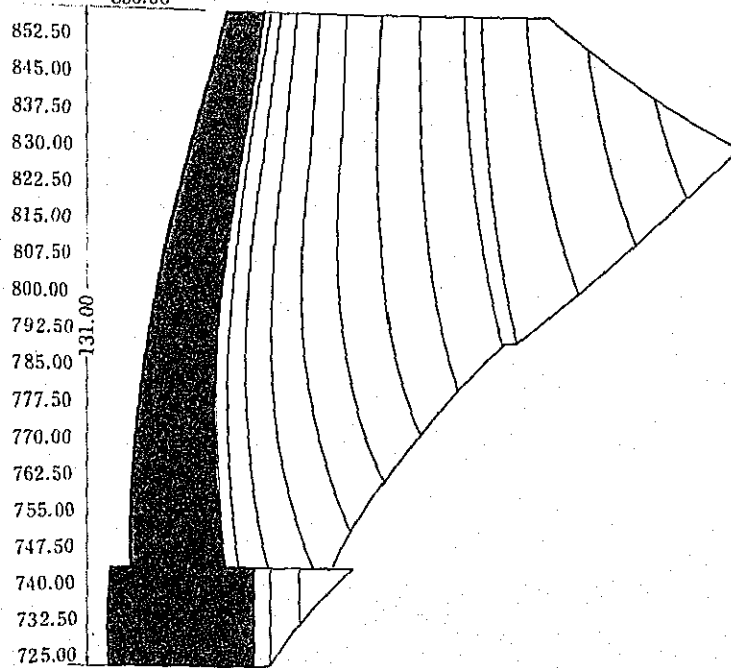
YAGISAWA RIVER

TONE RIVER

YAGISAWA DAM

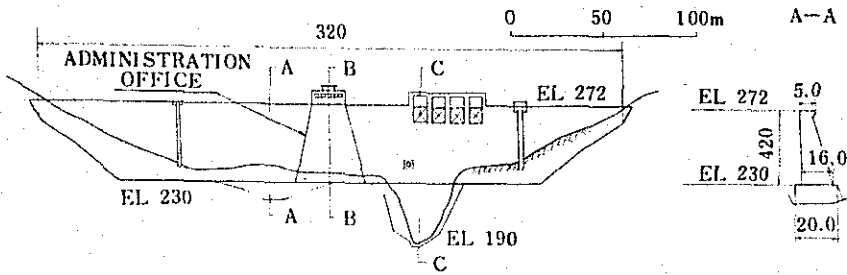
TYPICAL SECTION

NON OVEVFLOW CREST
856.00

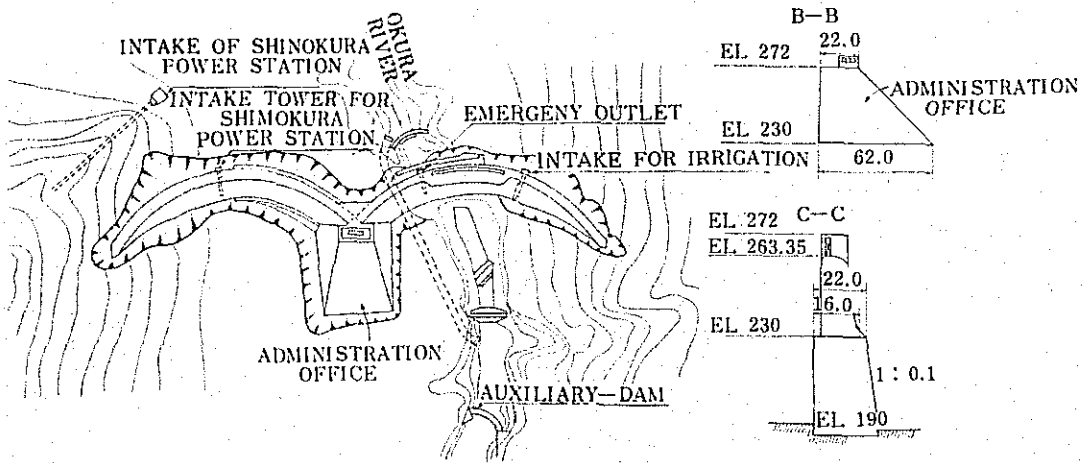


OKURA DAM

DOWNSTREAM ELEVATION

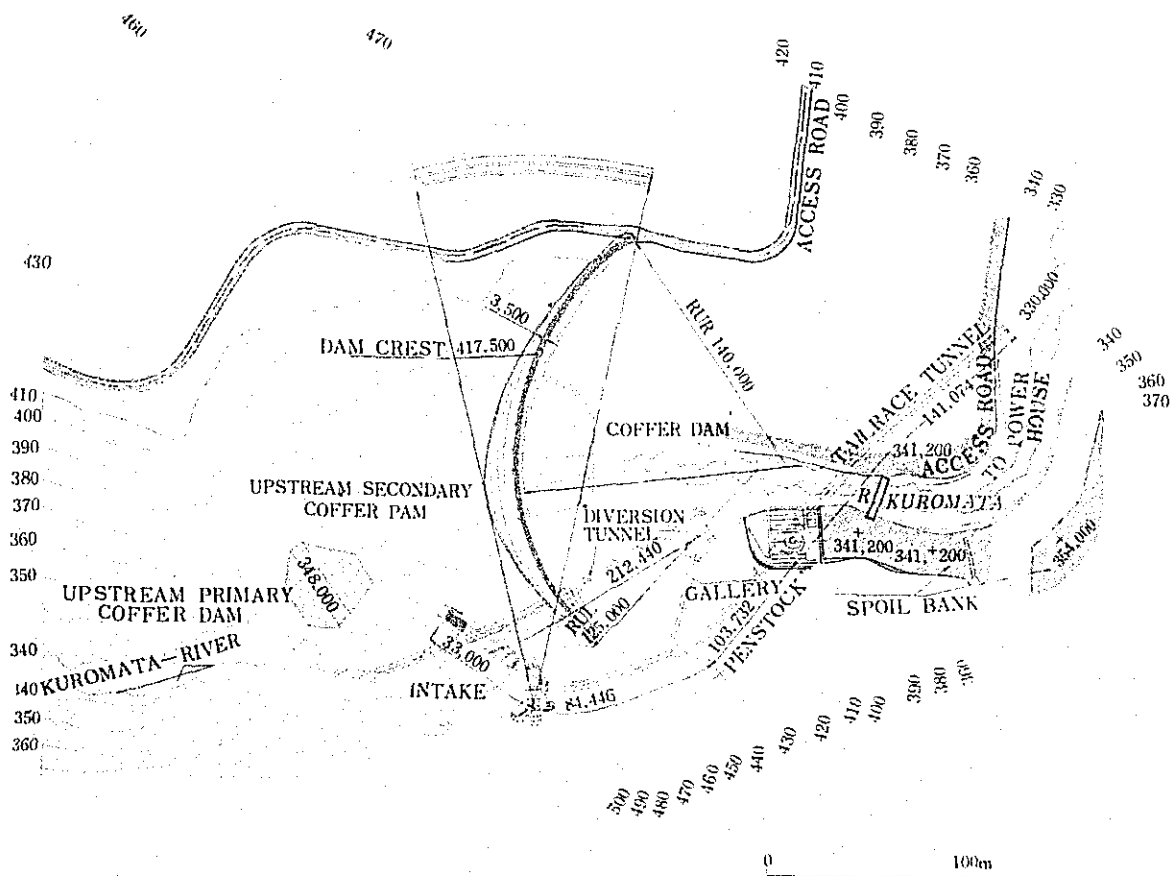


PLAN

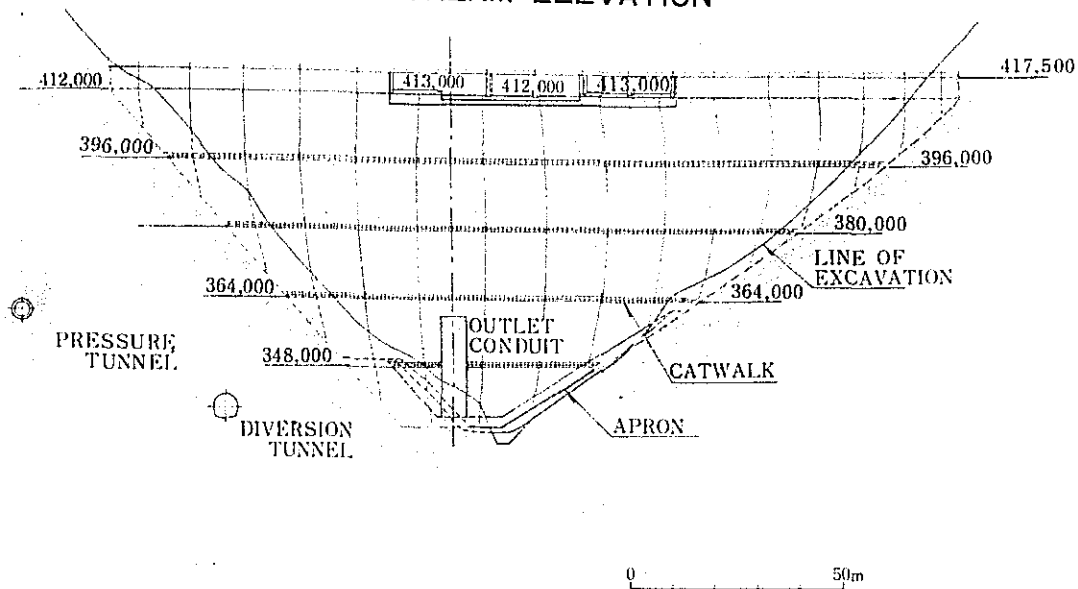


KUROMATAGAWA NO.2 DAM

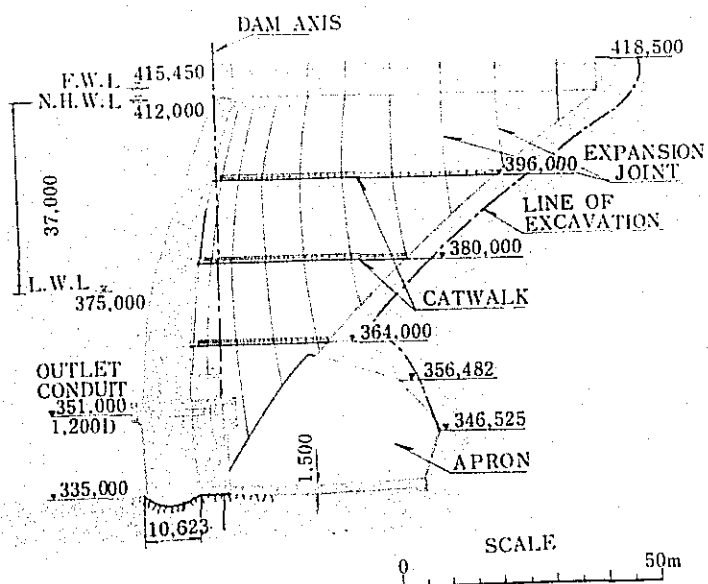
PLAN



KUROMATAGAWA NO.2 DAM DOWNSTREAM ELEVATION

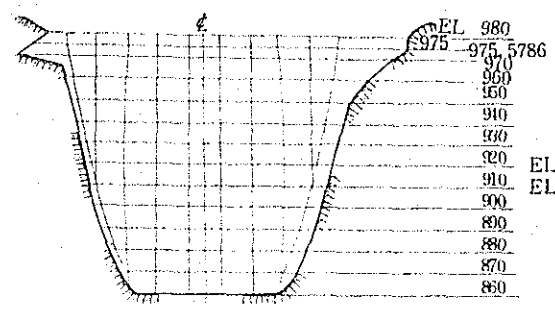


SECTION



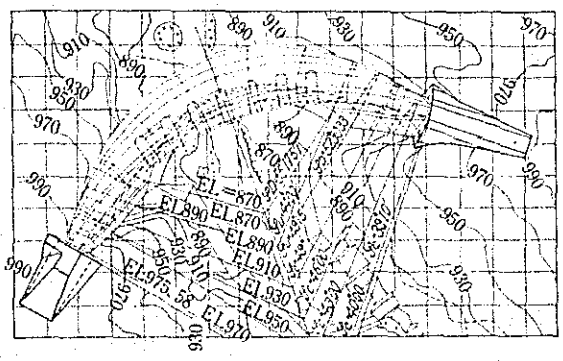
KAWAMATA DAM

DOWNSTREAM DEVELOPED ELEVATION



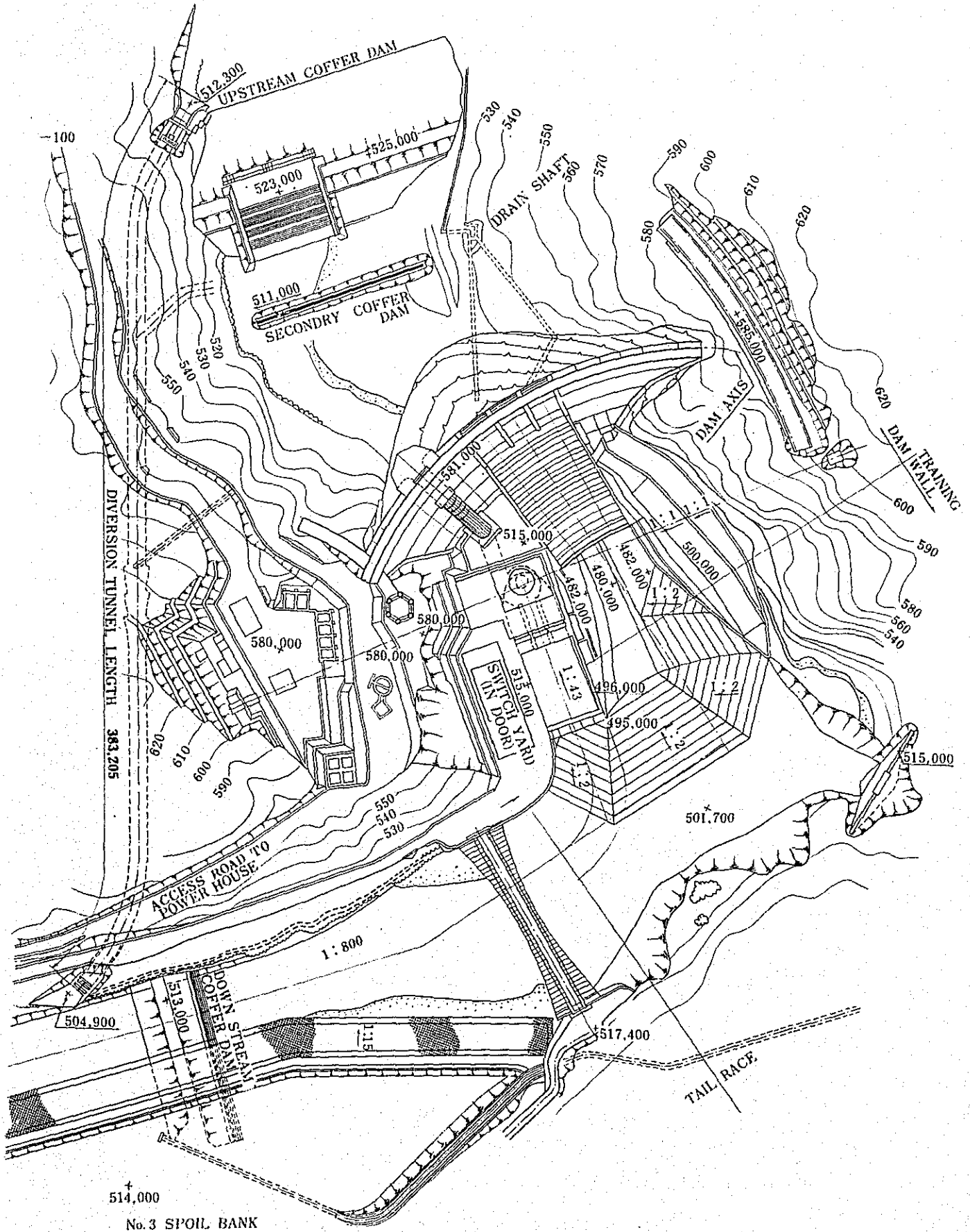
EL. 980	$xu=0$	$Tc=3.083$
EL. 975	$xu=0.17$	$Tc=3.180$

PLAN



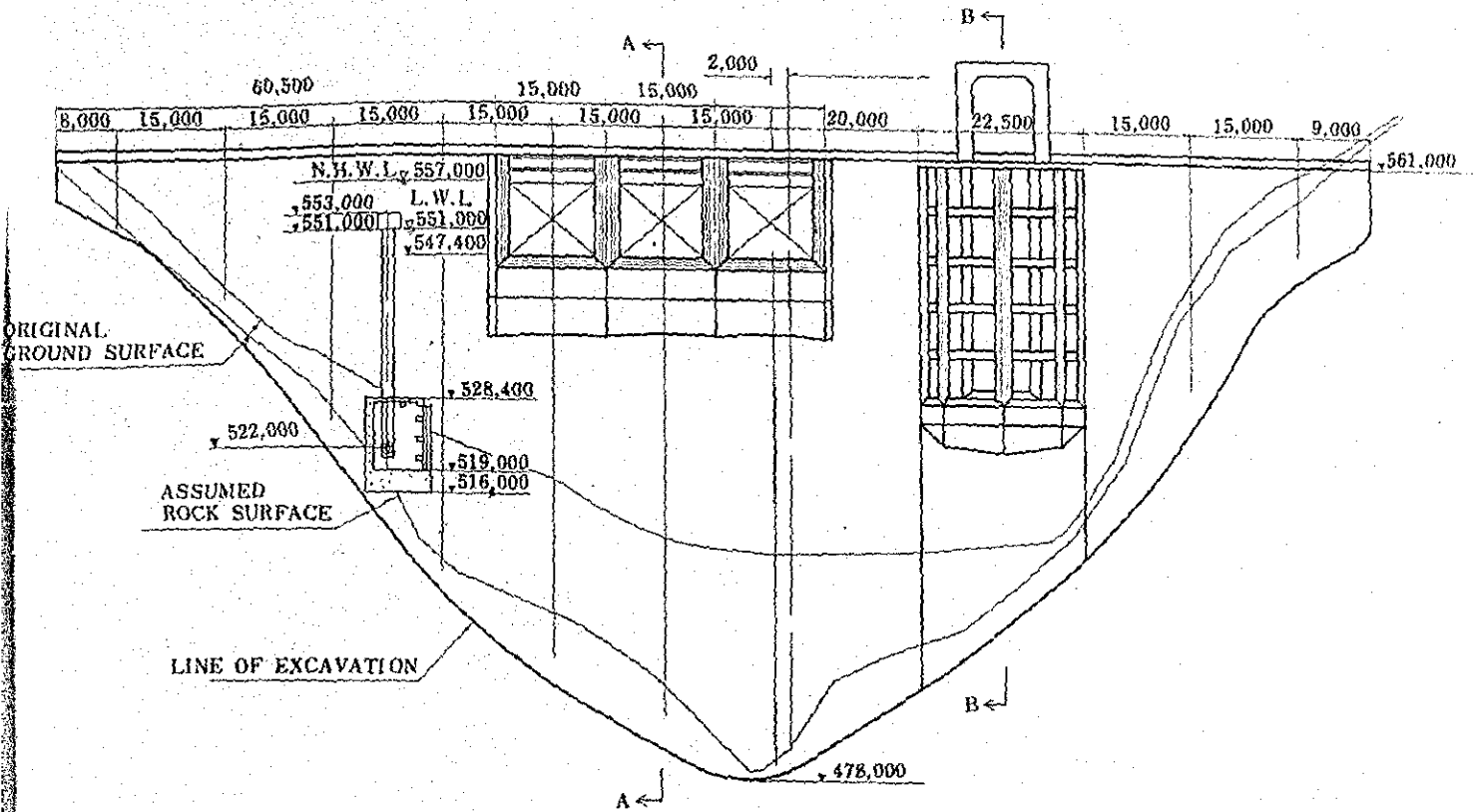
EL. 870	$xu=15.50$	$Tc=12.000$
$T=15.843$		70°
		EL 860

OTORI DAM PLAN

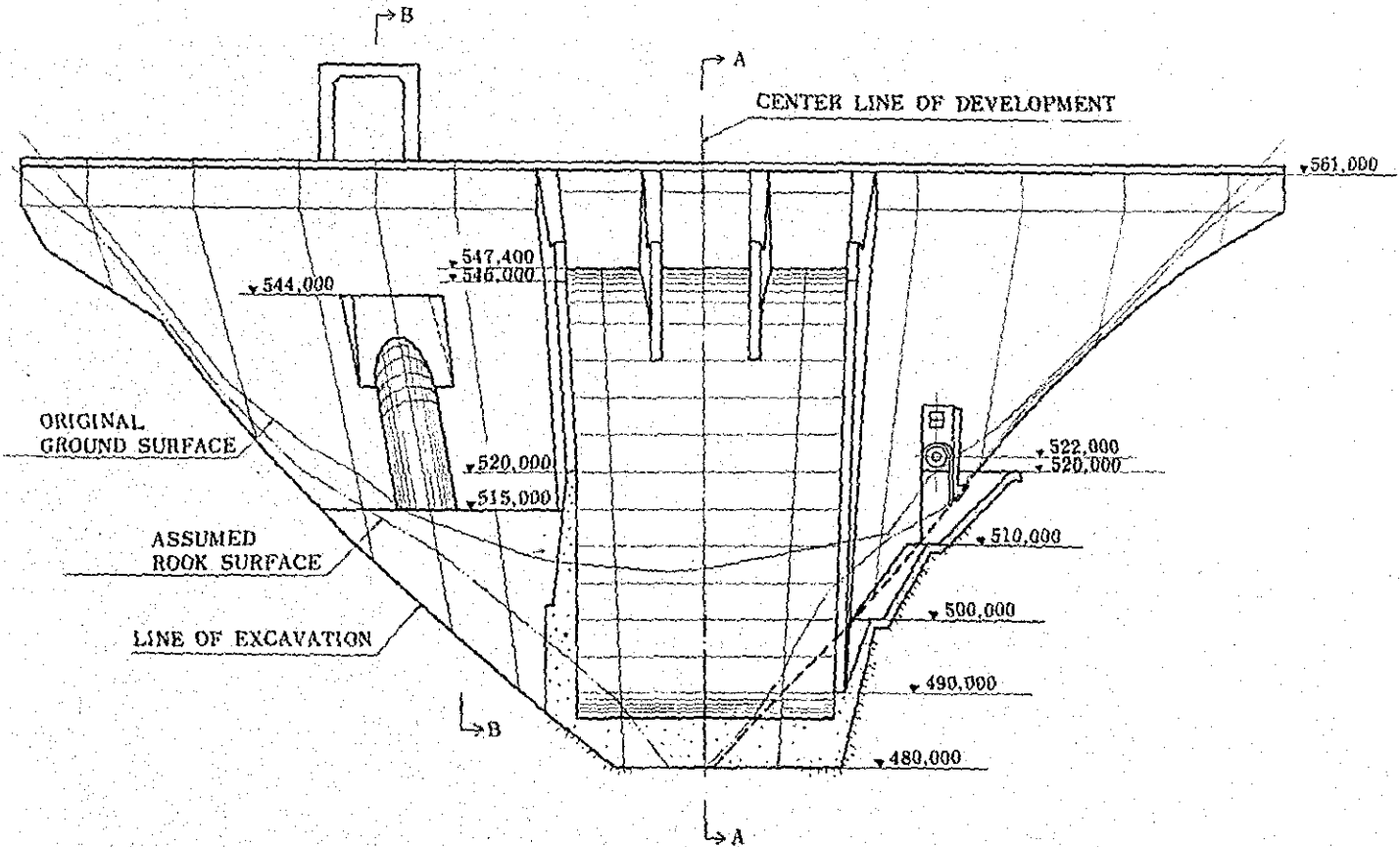


OTORI DAM

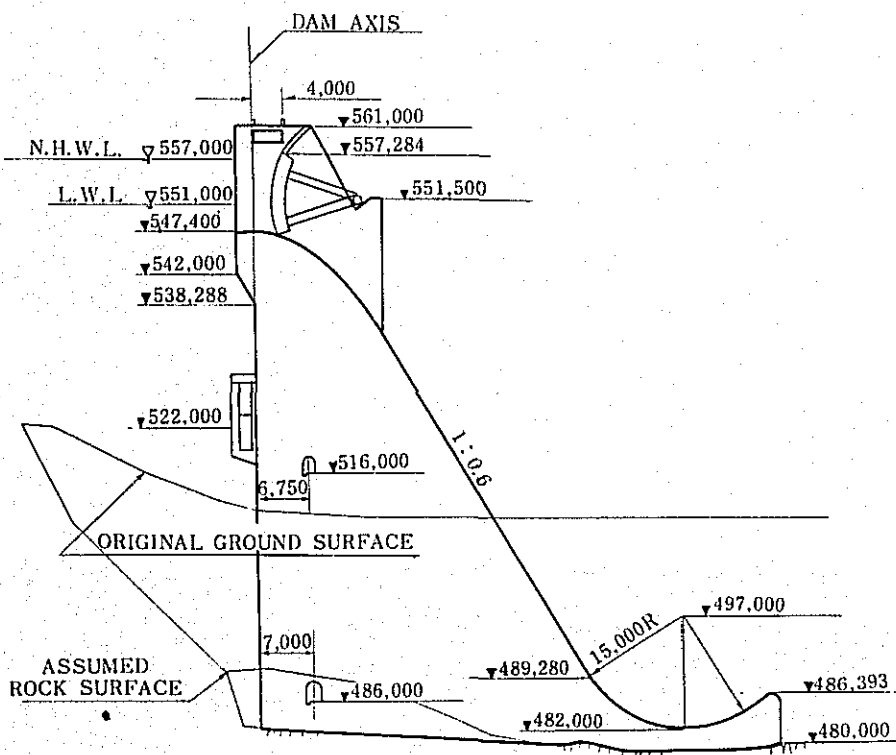
UPSTREAM DEVELOPED ELEVATION



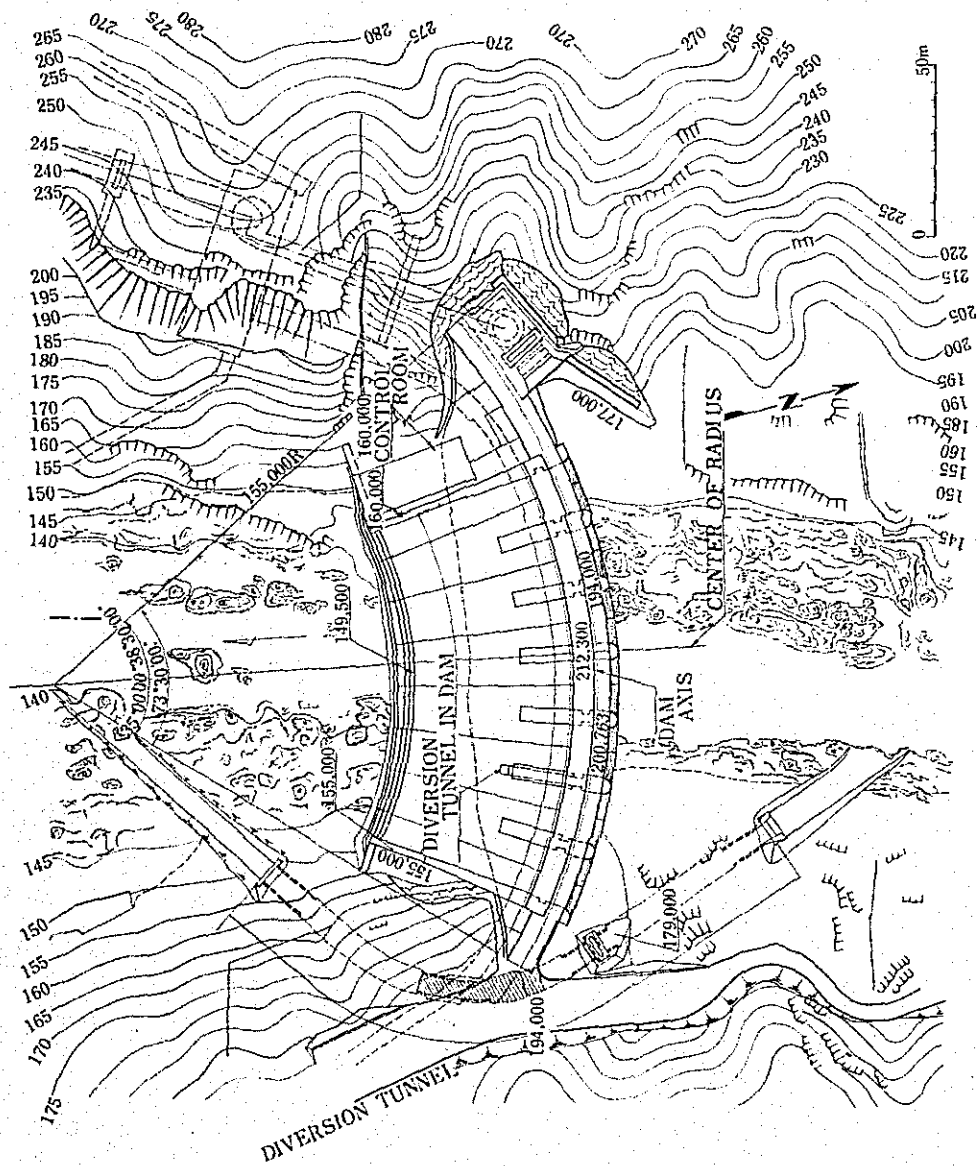
DOWNSTREAM DEVELOPED ELEVATION



OTORI DAM SECTION

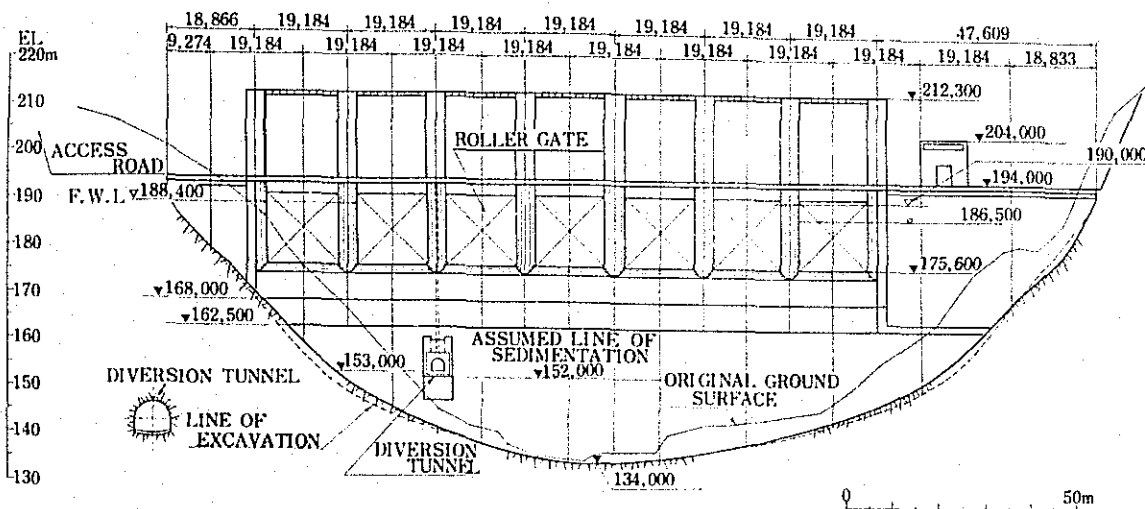


NANAIRO DAM PLAN

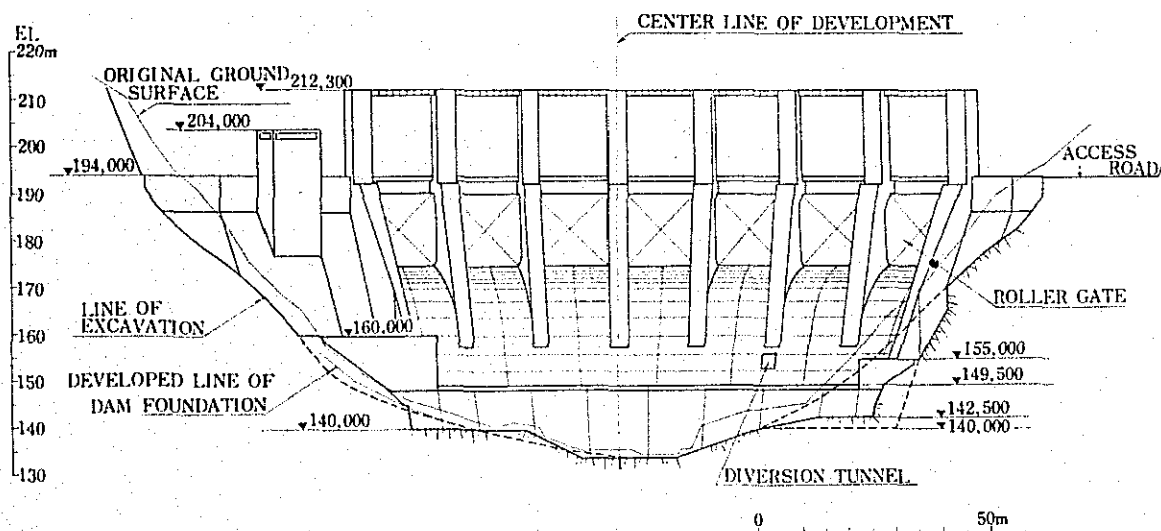


NANAIRO DAM

UPSTREAM ELEVATION

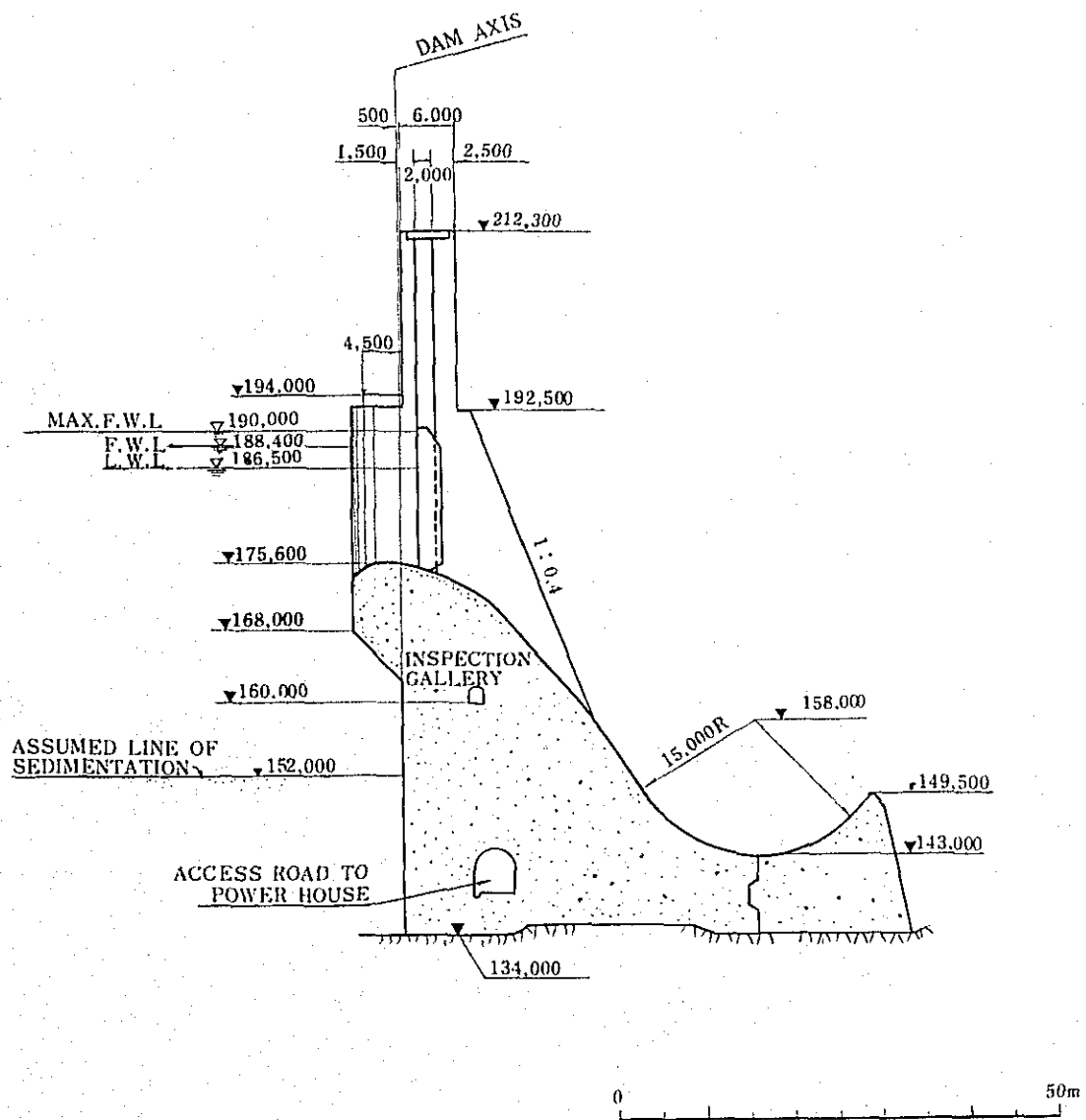


DOWN STREAM ELEVATION

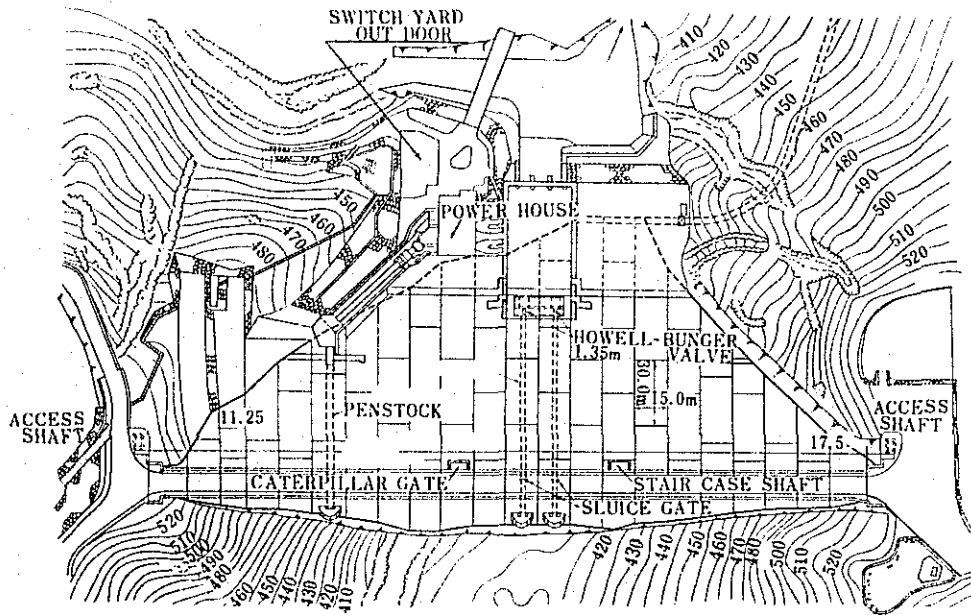


NANAIRO DAM

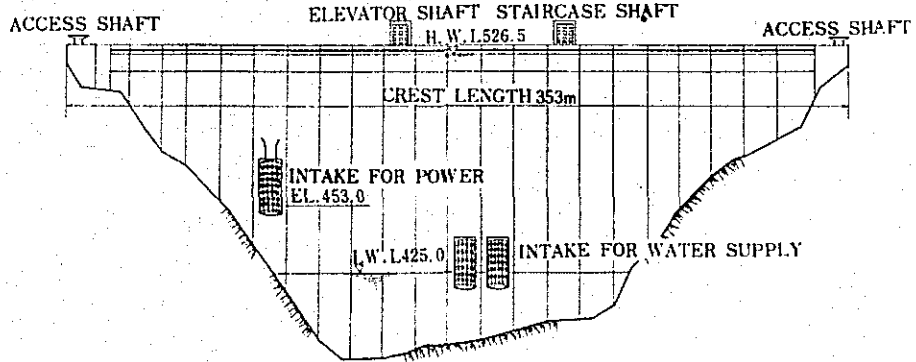
TYPICAL SECTION



OGOCH DAM PLAN

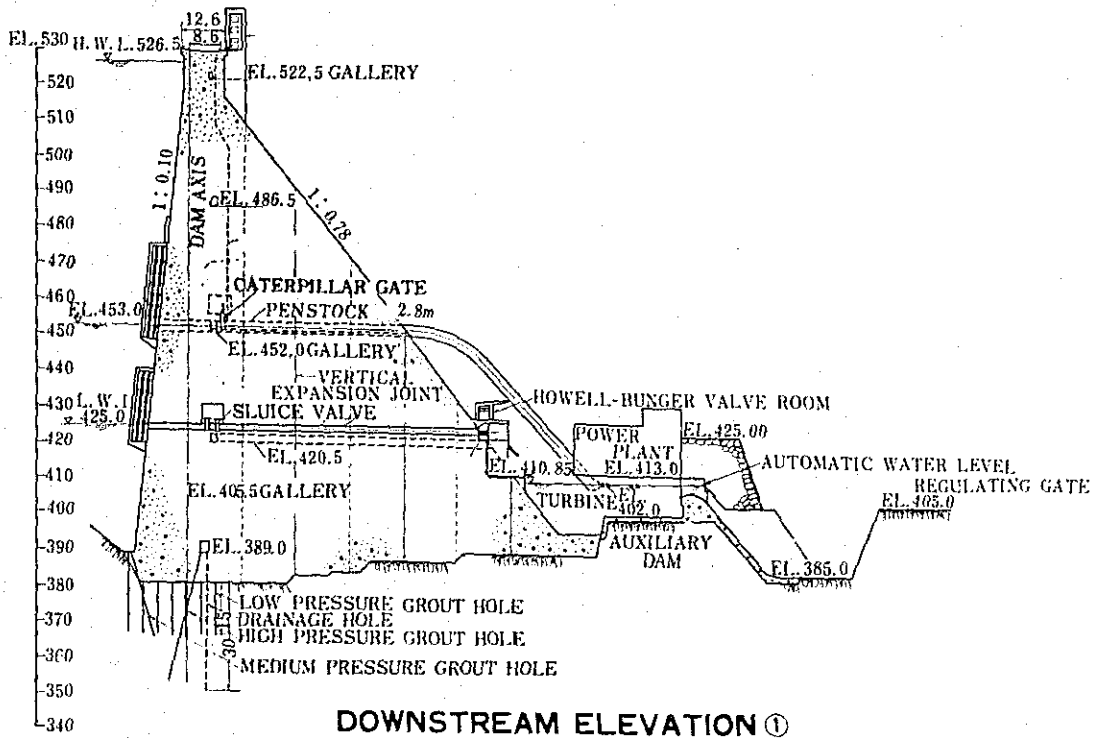


UPSTREAM ELEVATION



OGOCHI DAM

TYPICAL SECTION ②



DOWNSTREAM ELEVATION ①

