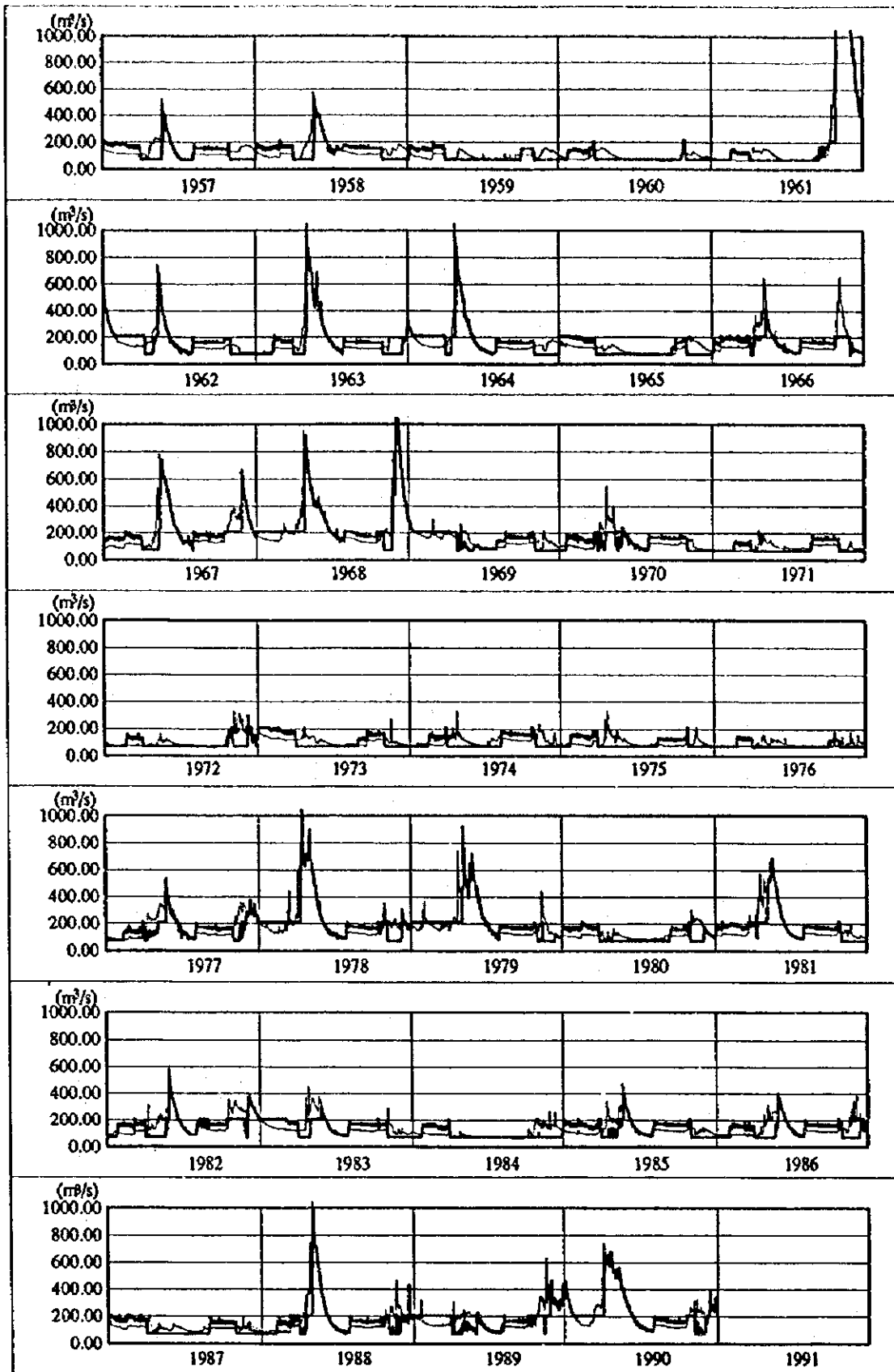


JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高グランドフォールズダム  
 発電操作による貯水池水位

Fig. No.  
 図 6.3.18

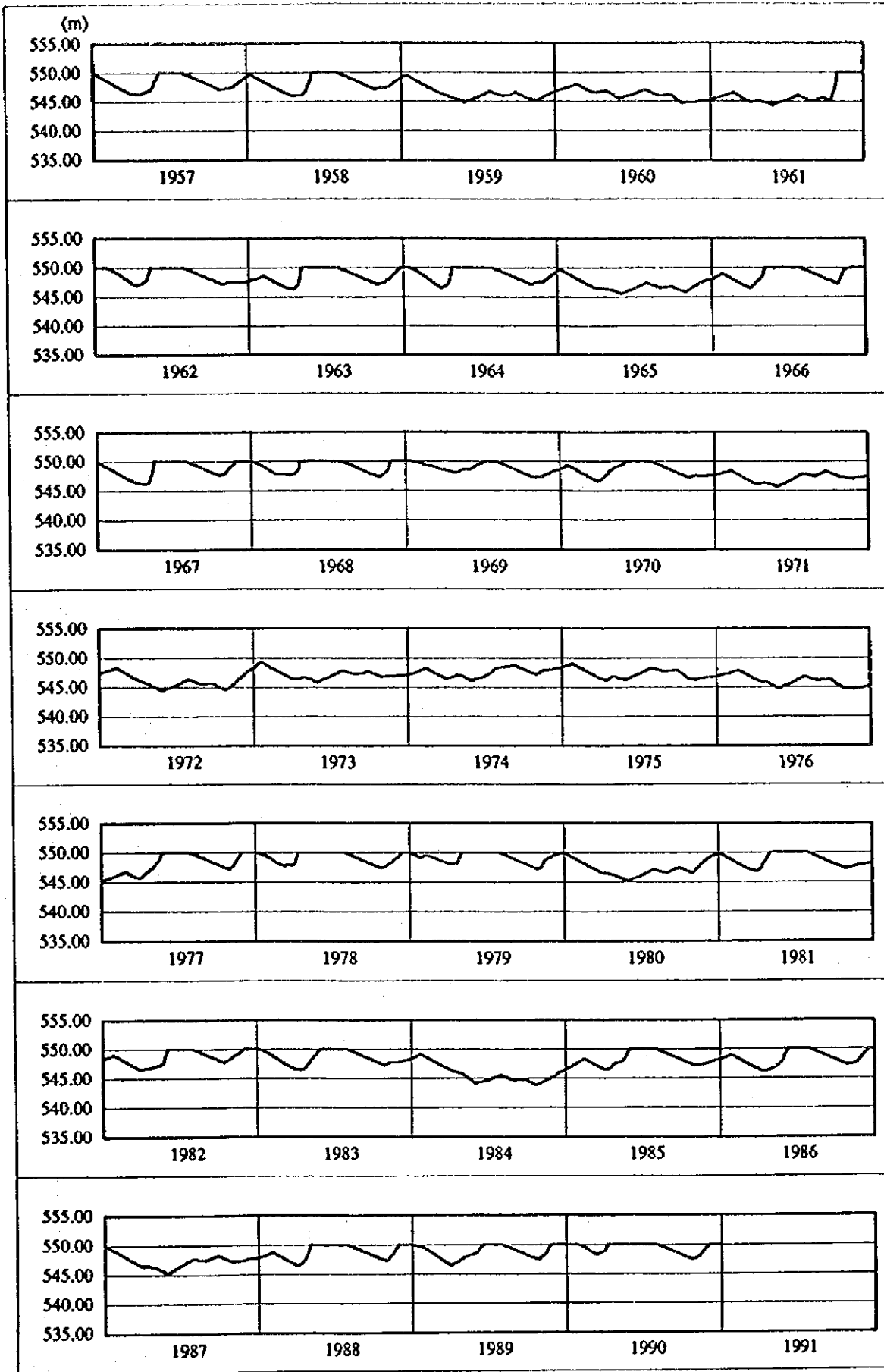


—— Inflow  
 —— Outflow

JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高グランドフォールズダム  
 発電操作による流出量

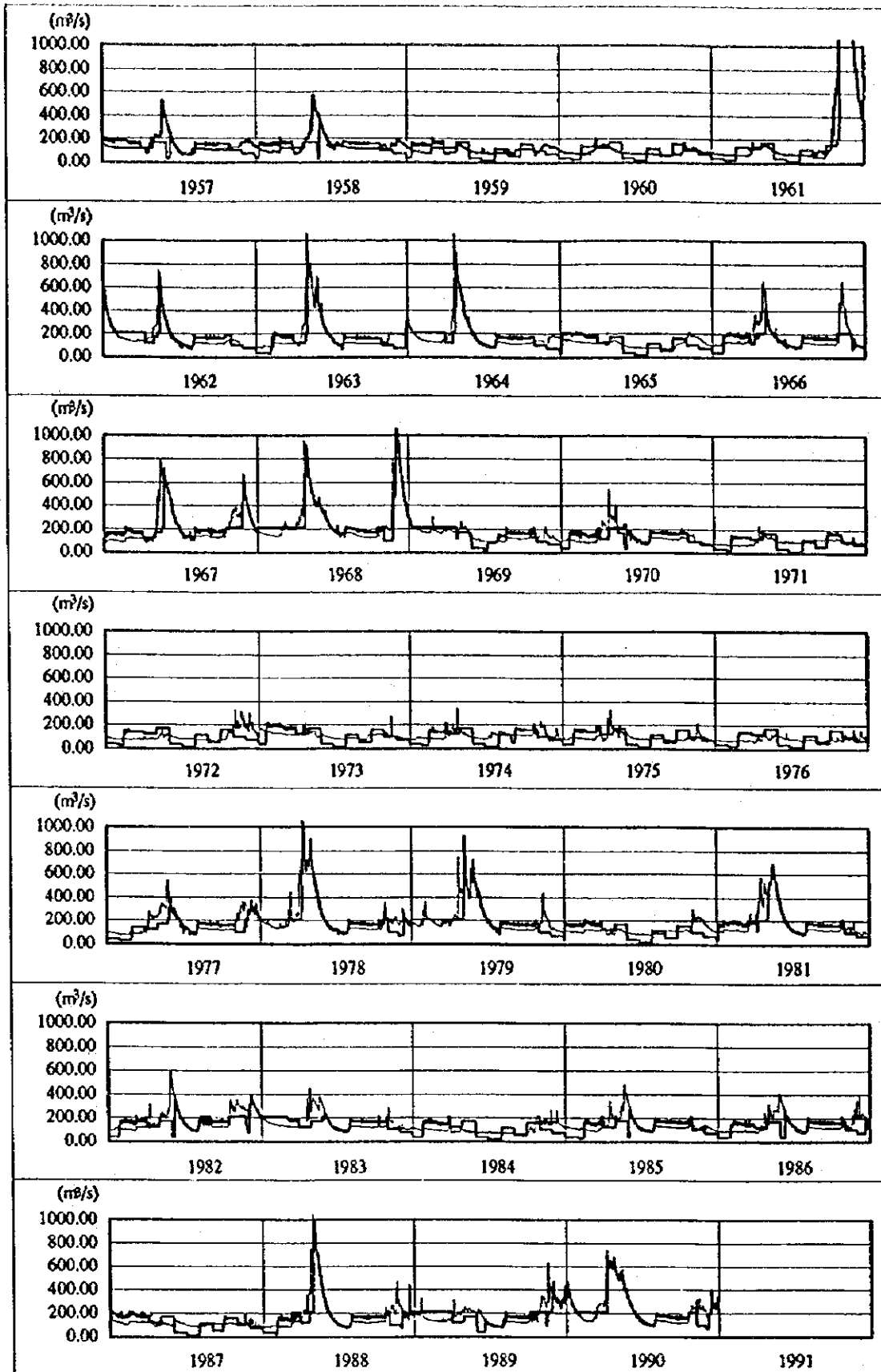
Fig. No.  
 図 6.3.19



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高グランドフォールズダム  
 灌漑操作による貯水池水位

Fig. No.  
 図 6.3.20

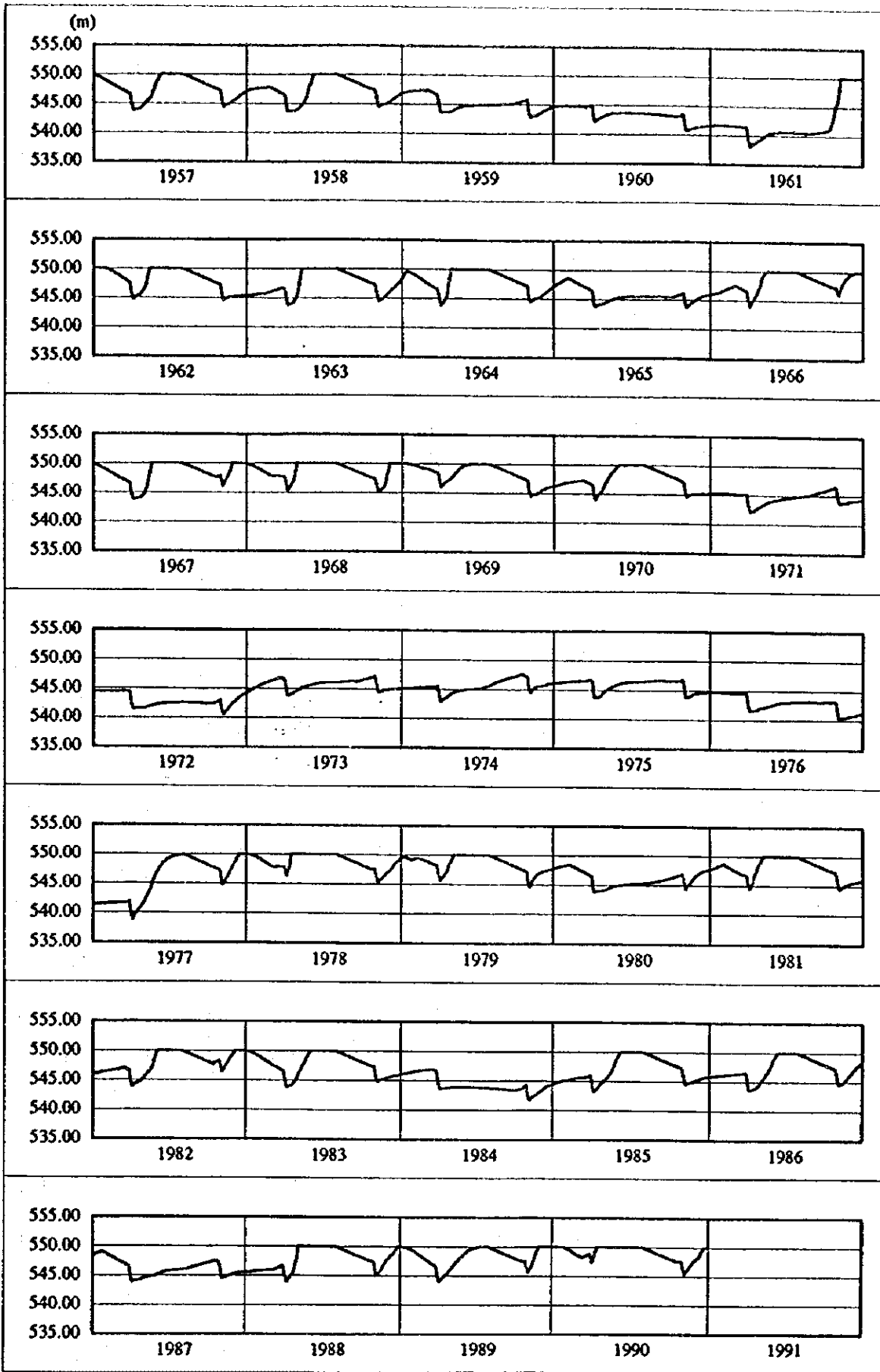


— Inflow  
 — Outflow

JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高ランドフォールズダム  
 灌漑操作による流出量

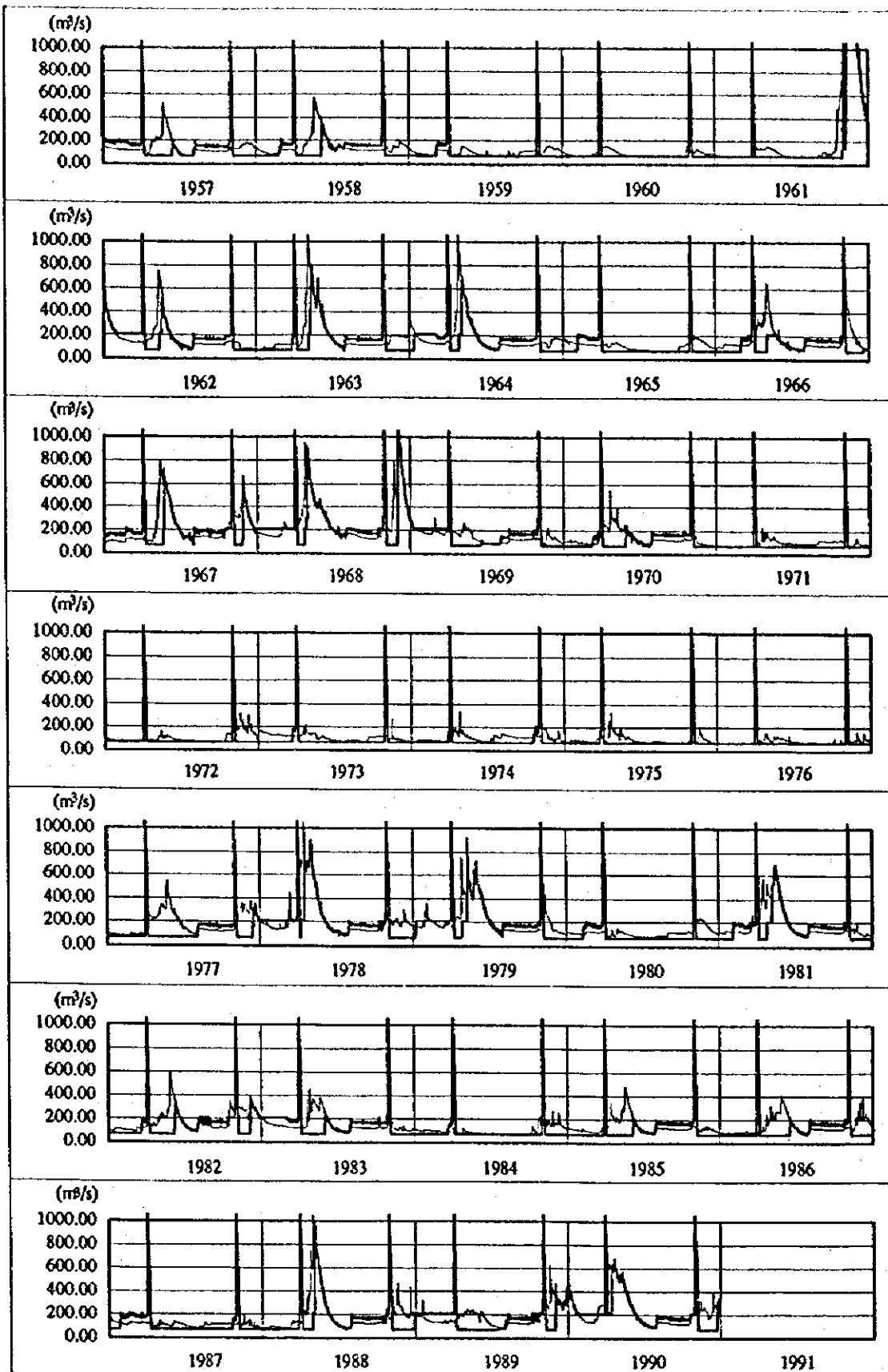
Fig. No.  
 図 6.3.21



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高グランドフォールズダム  
 洪水操作による貯水池水位

Fig. No.  
 図 6.3.22

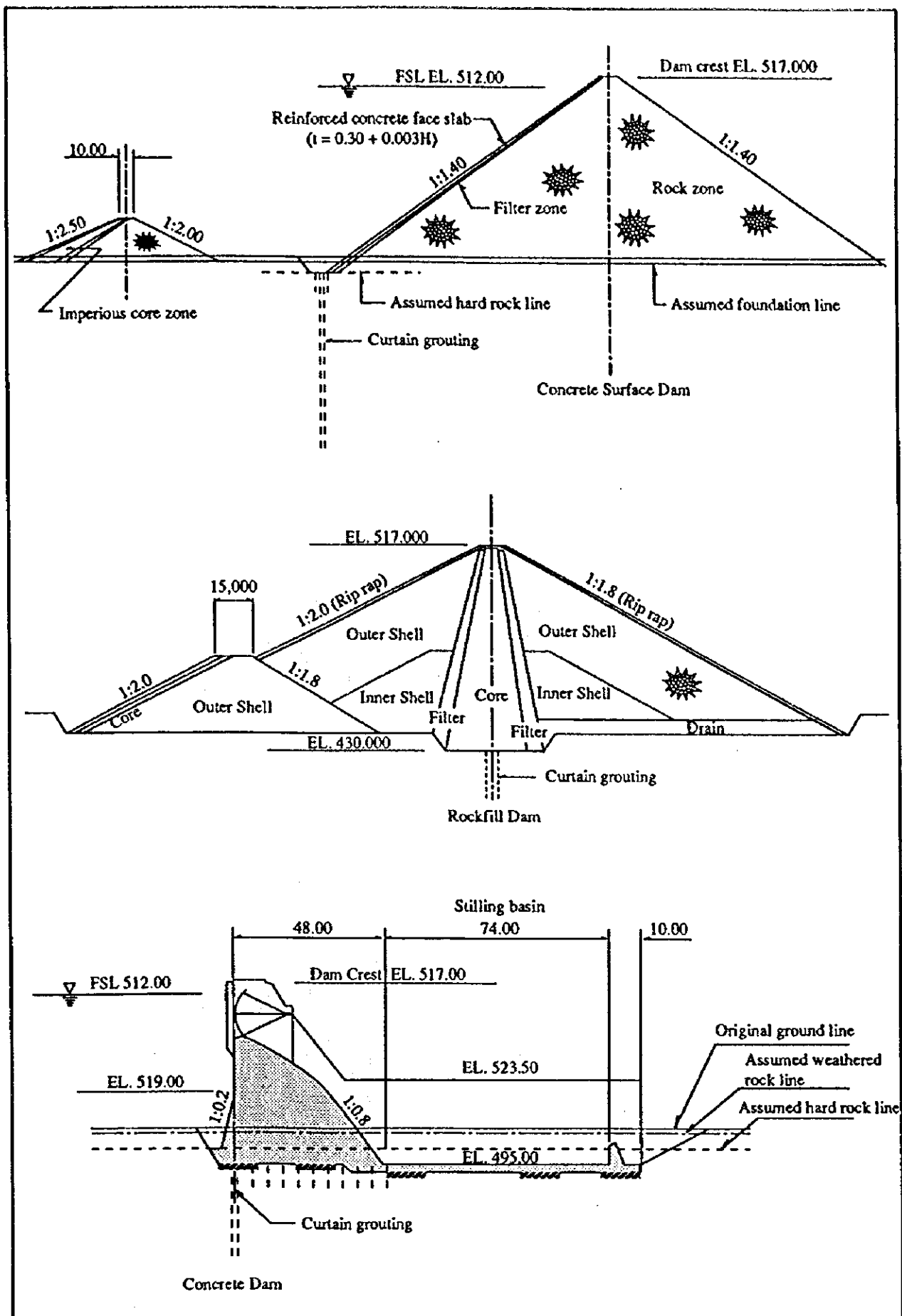


— Inflow  
 — Outflow

JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 GRANDFALLS/MUTONGA HYDROPOWER PROJECT

高ランドフォールズダム  
 洪水操作による流出量

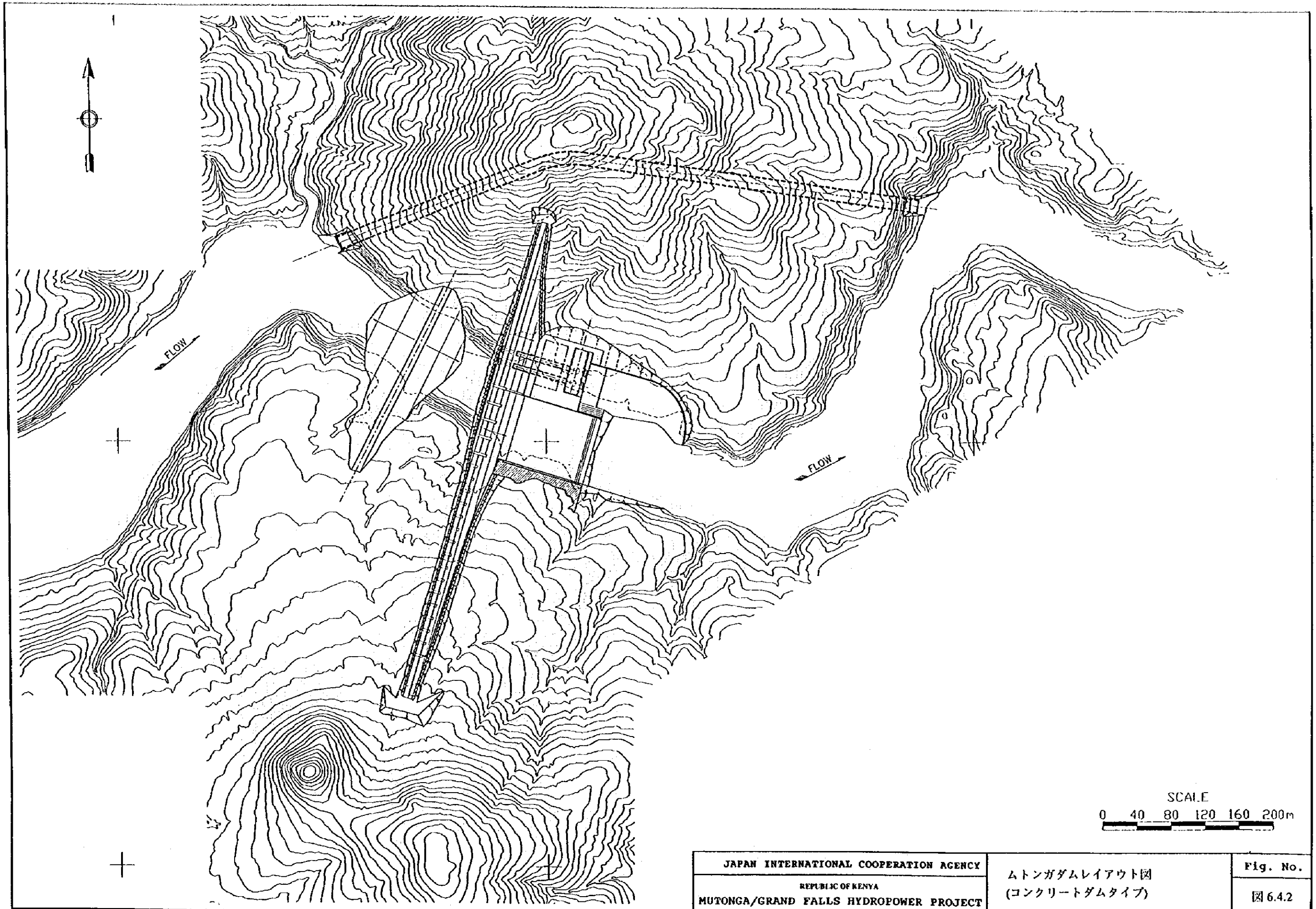
Fig. No.  
 図 6.3.23



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

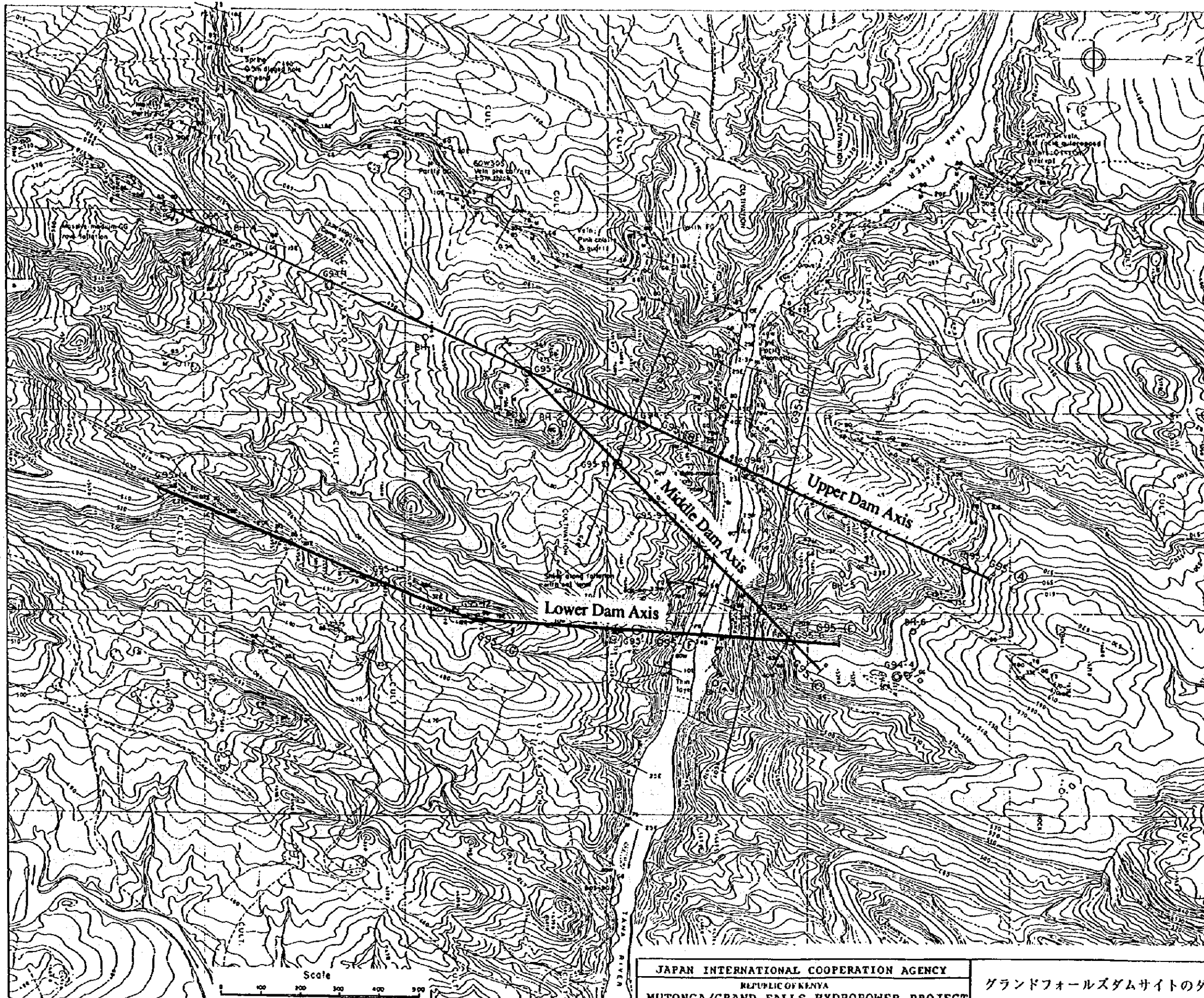
表面遮水壁ダム・ロックフィルダム  
 コンクリートダム  
 の標準断面図

Fig. No.  
 図 6.4.1



JAPAN INTERNATIONAL COOPERATION AGENCY	ムトンガダムレイアウト図	Fig. No.
REPUBLIC OF KENYA	(コンクリートダムタイプ)	図 6.4.2
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		

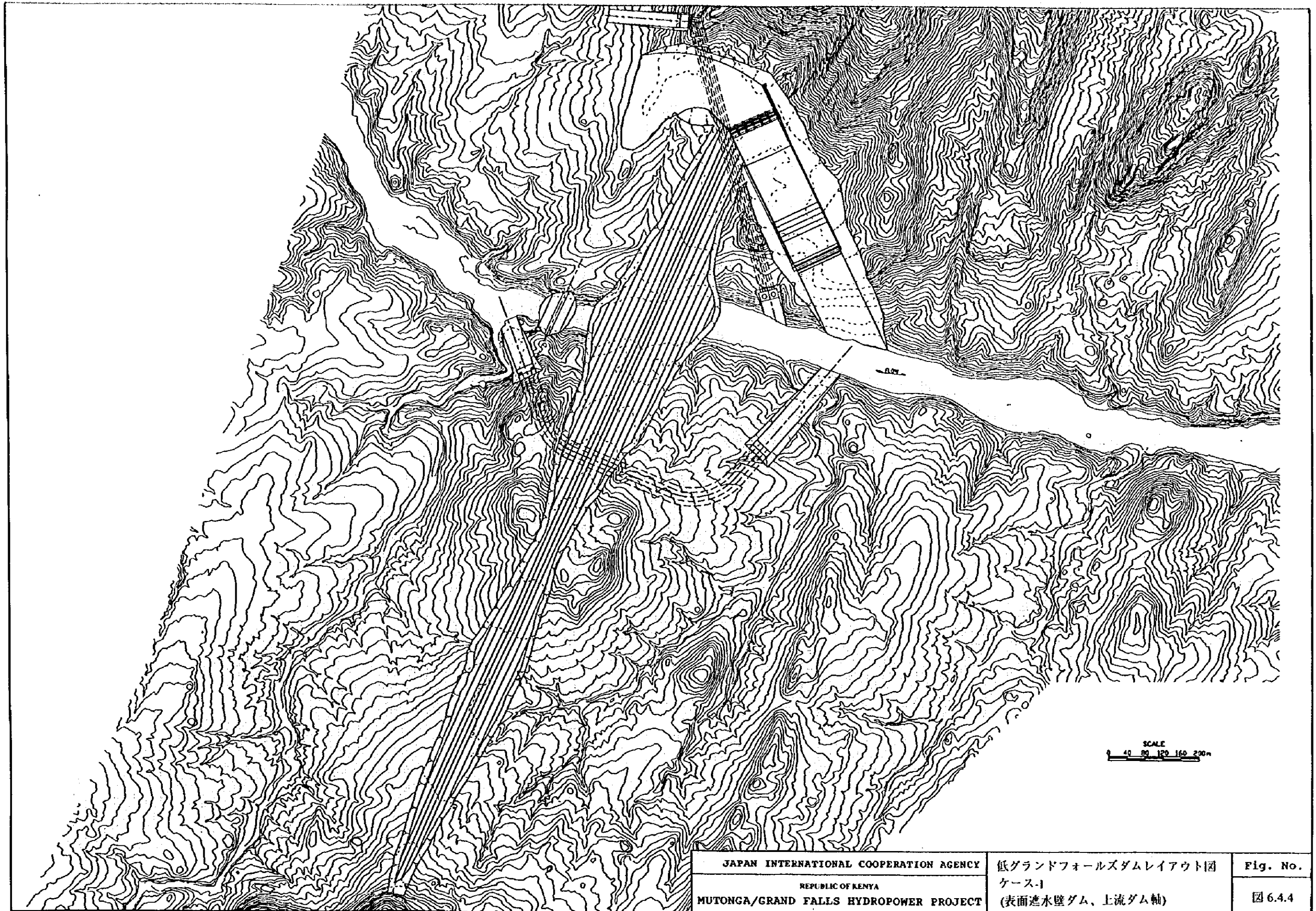




JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

グランドフォールズダムサイトのダム軸

Fig. No.  
 図 6.4.3

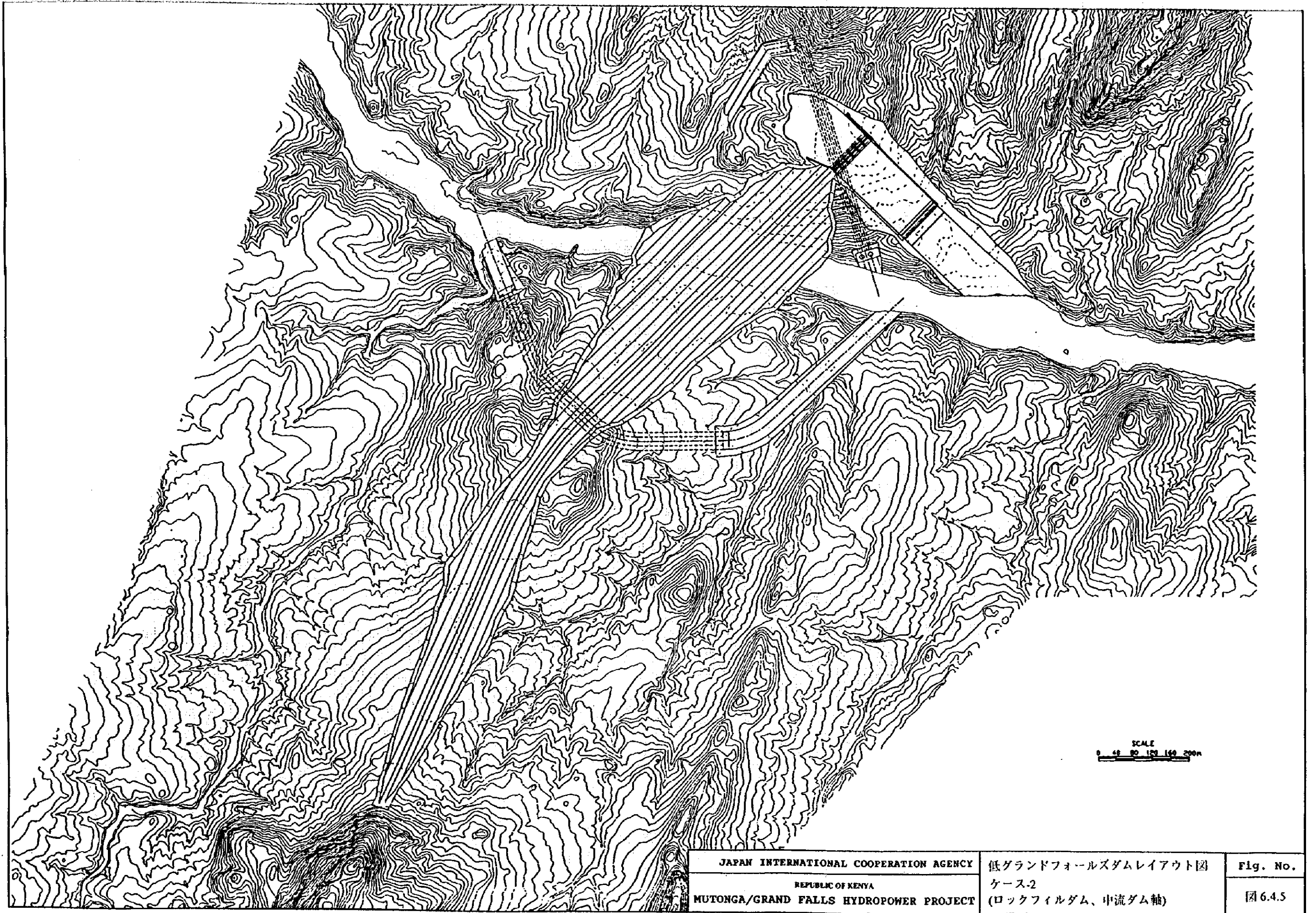


JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

低グランドフォールズダムレイアウト図  
 ケース-I  
 (表面遮水壁ダム、上流ダム軸)

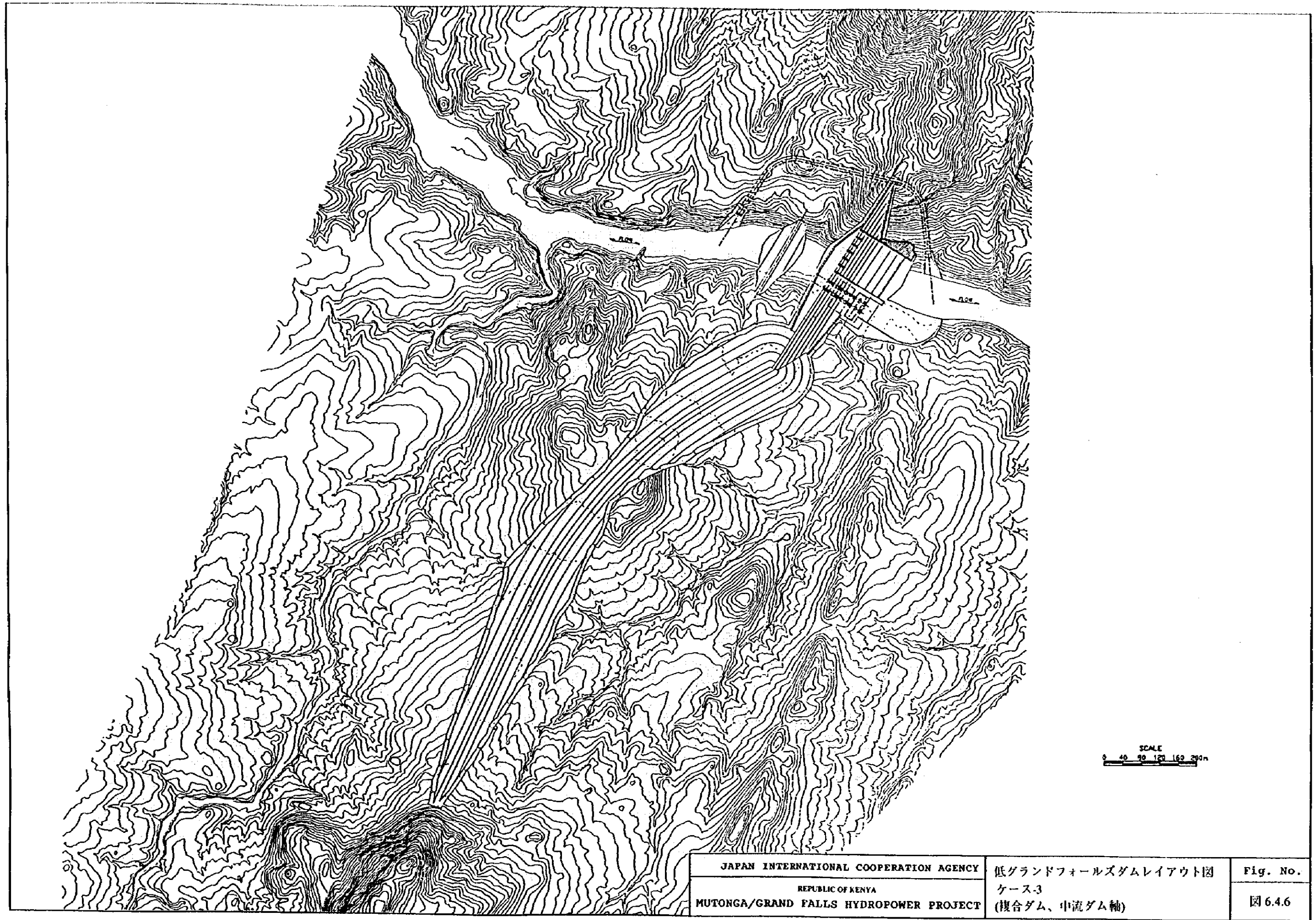
Fig. No.  
 図 6.4.4





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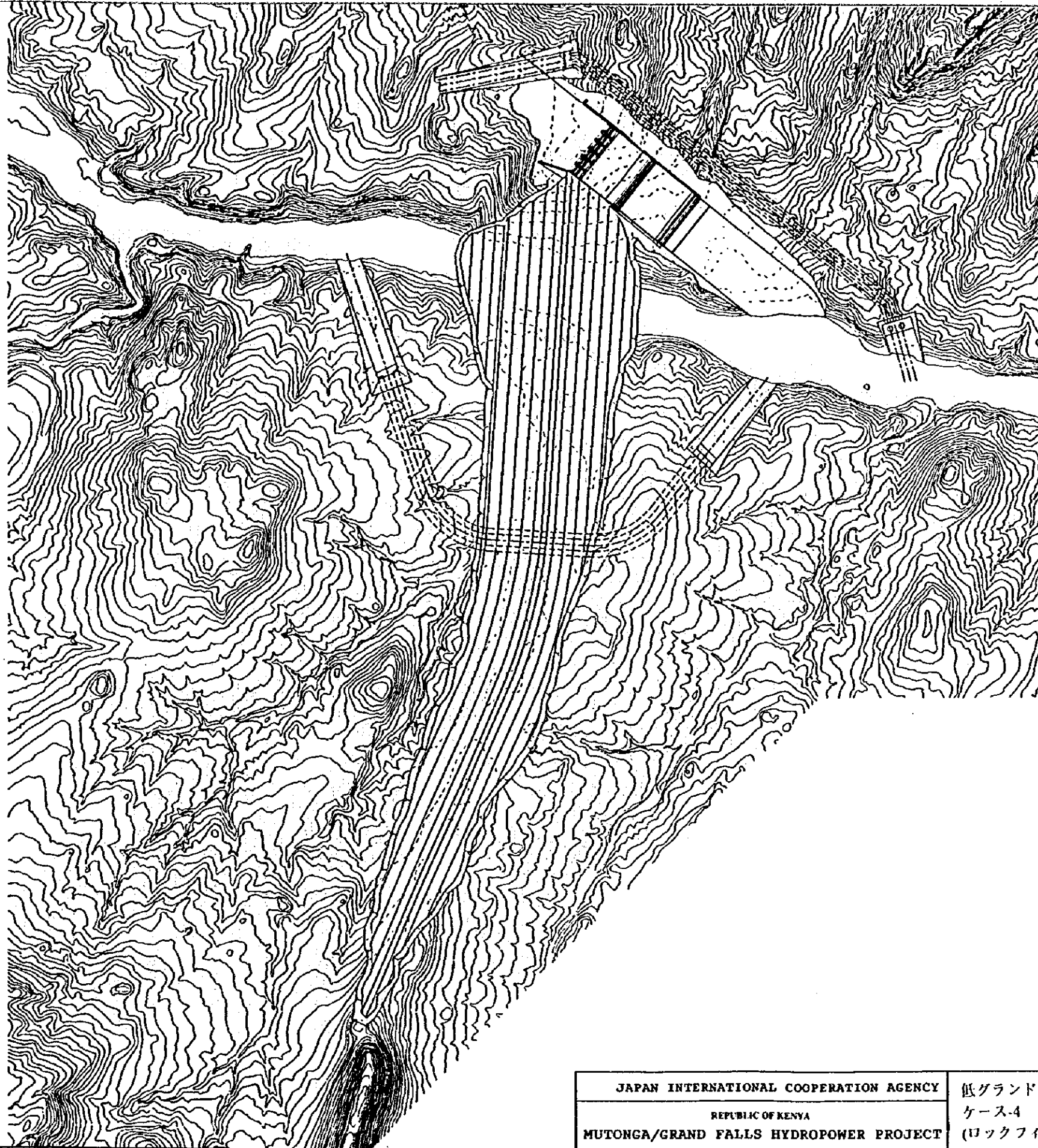
JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダムレイアウト図	Fig. No.
REPUBLIC OF KENYA	ケース2	
MUTONGA/GRAND FALLS HYDROPOWER PROJECT	(ロックフィルダム、中流ダム軸)	図6.4.5



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

低グラウンドフォールズダムレイアウト図  
 ケース3  
 (複合ダム、中流ダム軸)

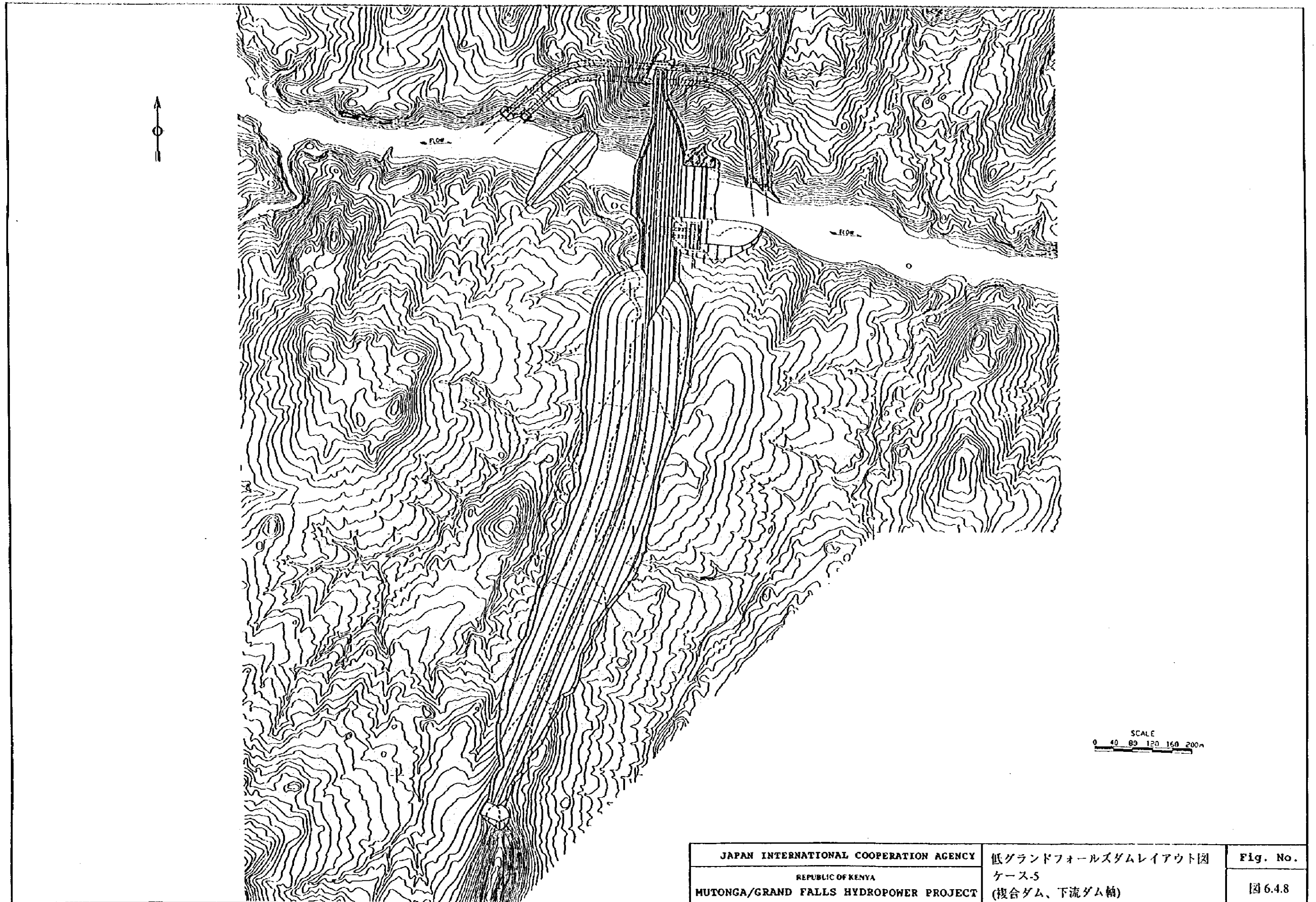
Fig. No.  
 図 6.4.6



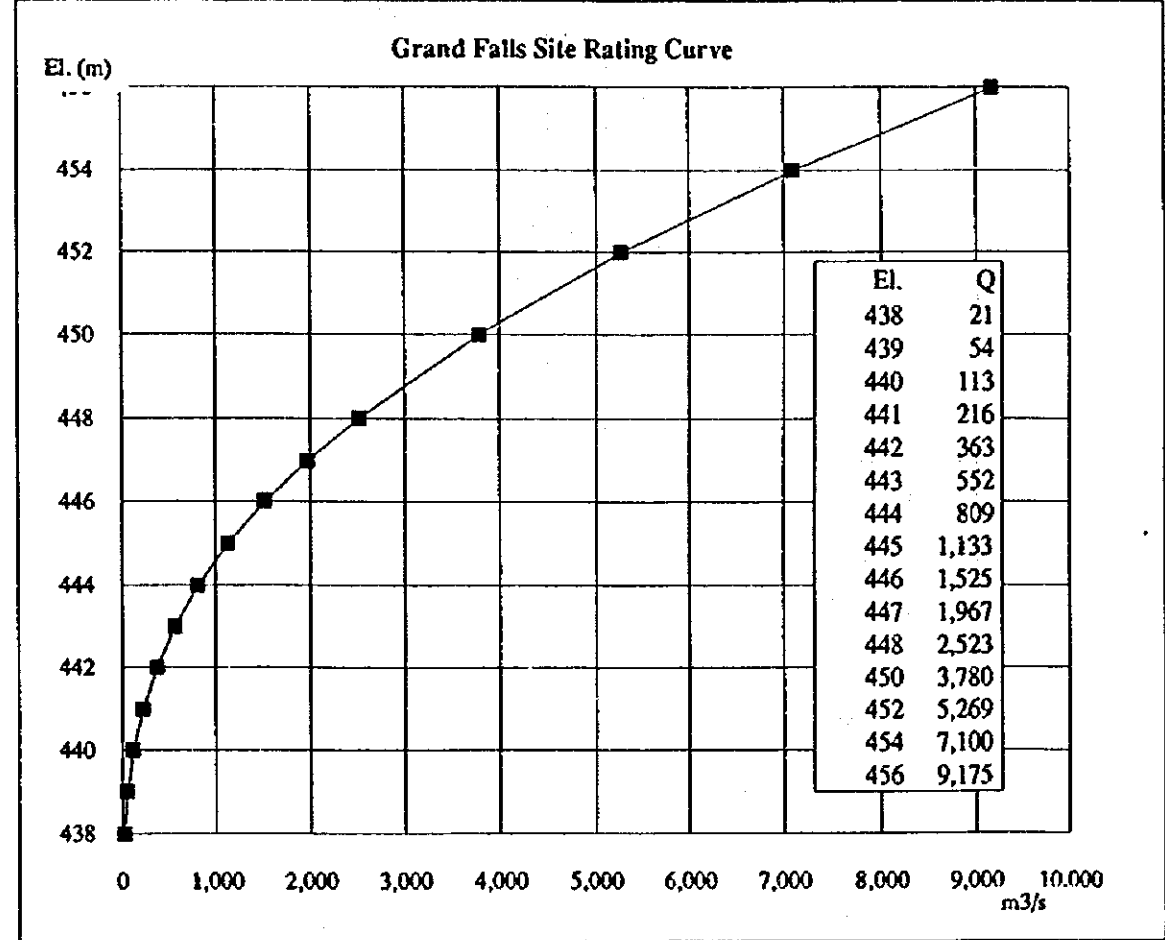
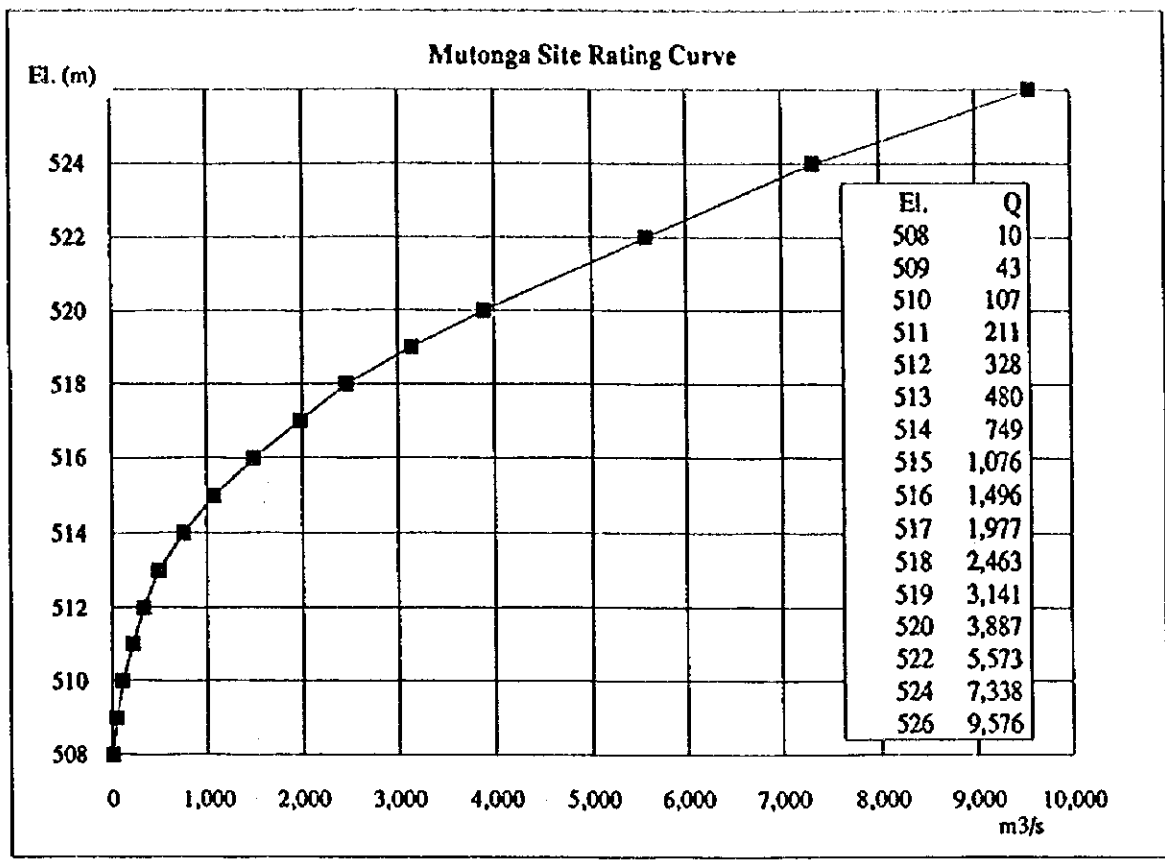
SCALE  
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JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダムレイアウト図	Fig. No.
REPUBLIC OF KENYA	ケース.4	
MUTONGA/GRAND FALLS HYDROPOWER PROJECT	(ロックフィルダム、下流ダム軸)	図 6.4.7

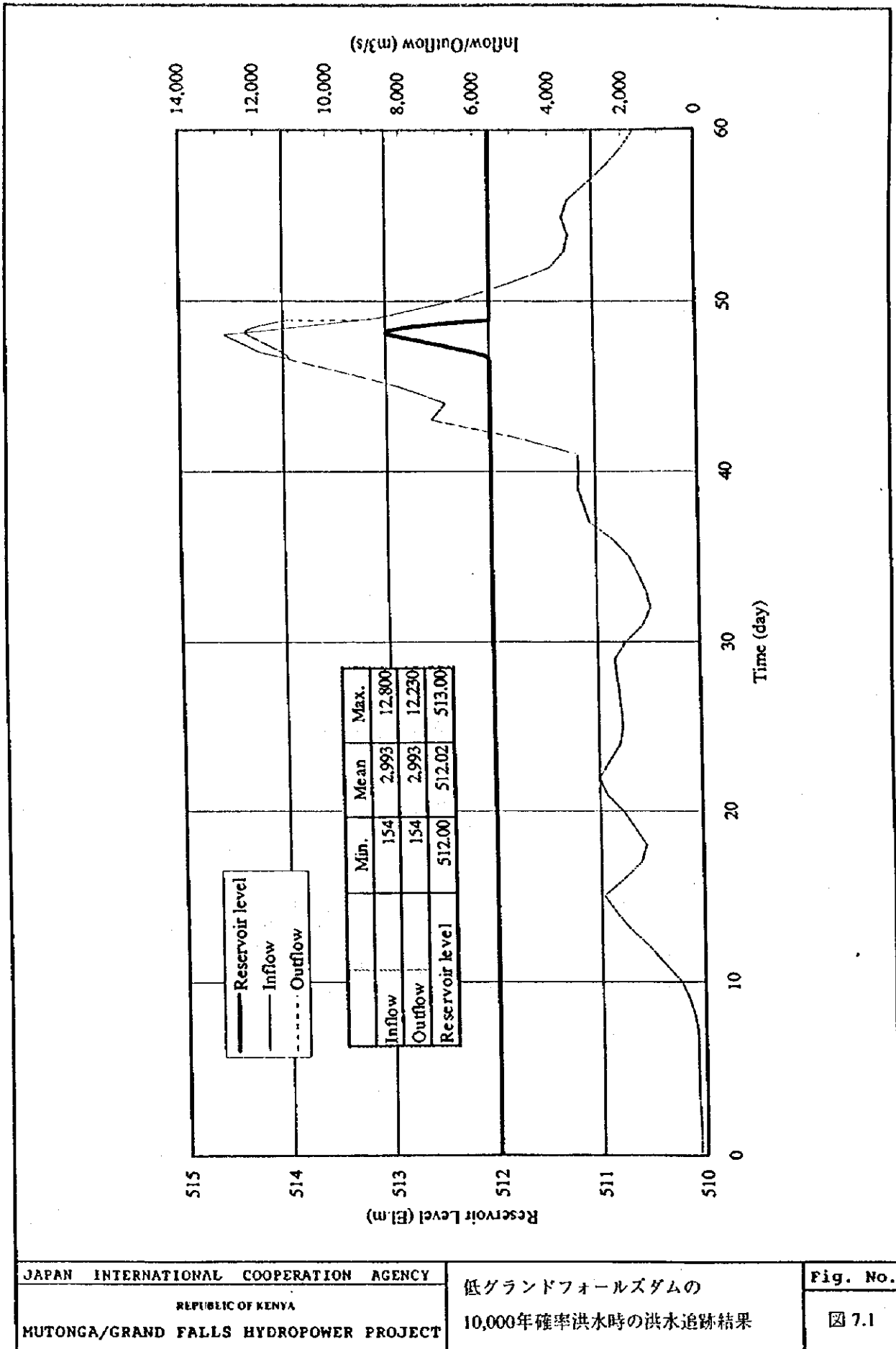








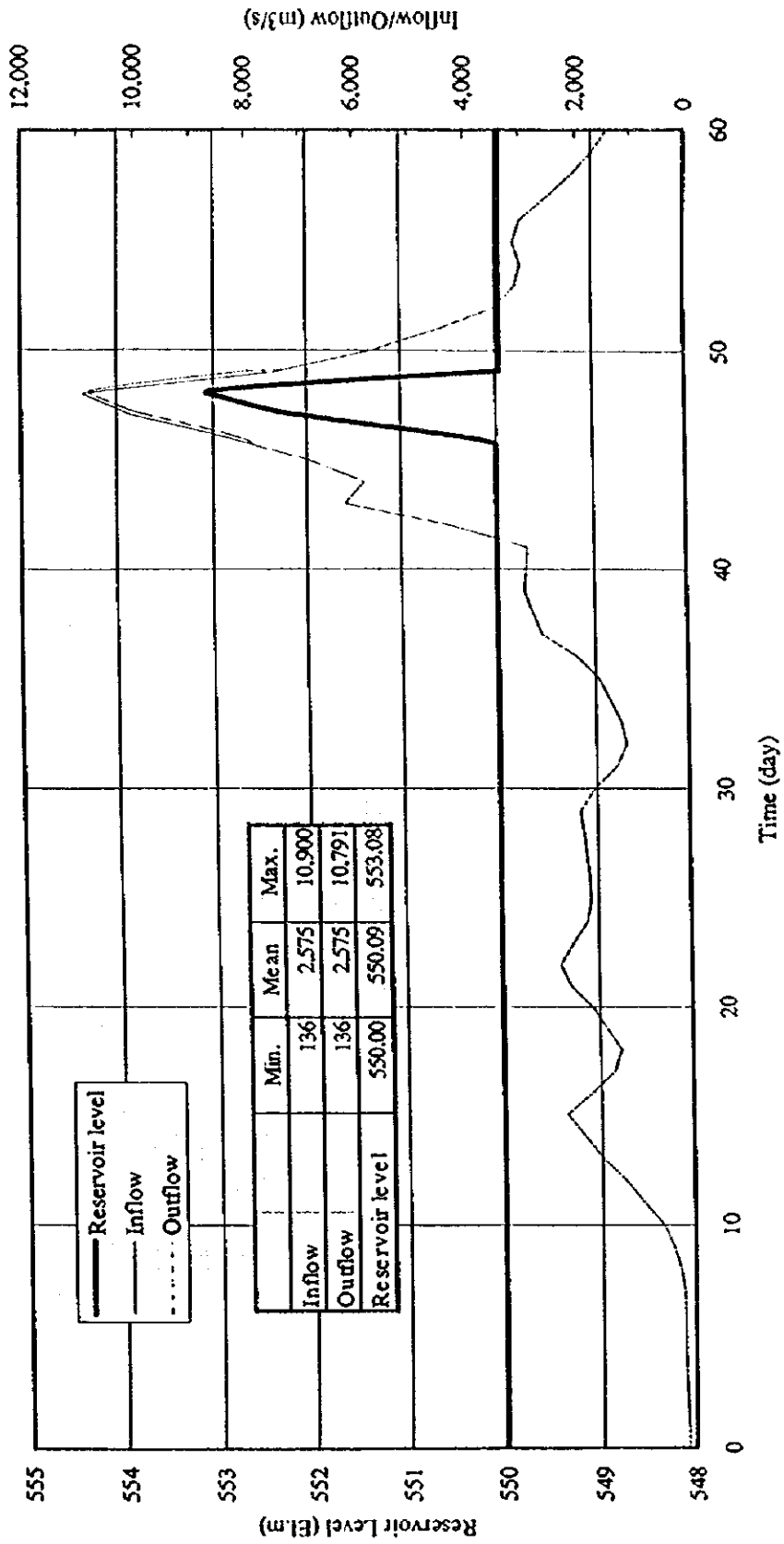




JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

低グランドフォールズダムの  
 10,000年確率洪水時の洪水追跡結果

Fig. No.  
 図 7.1

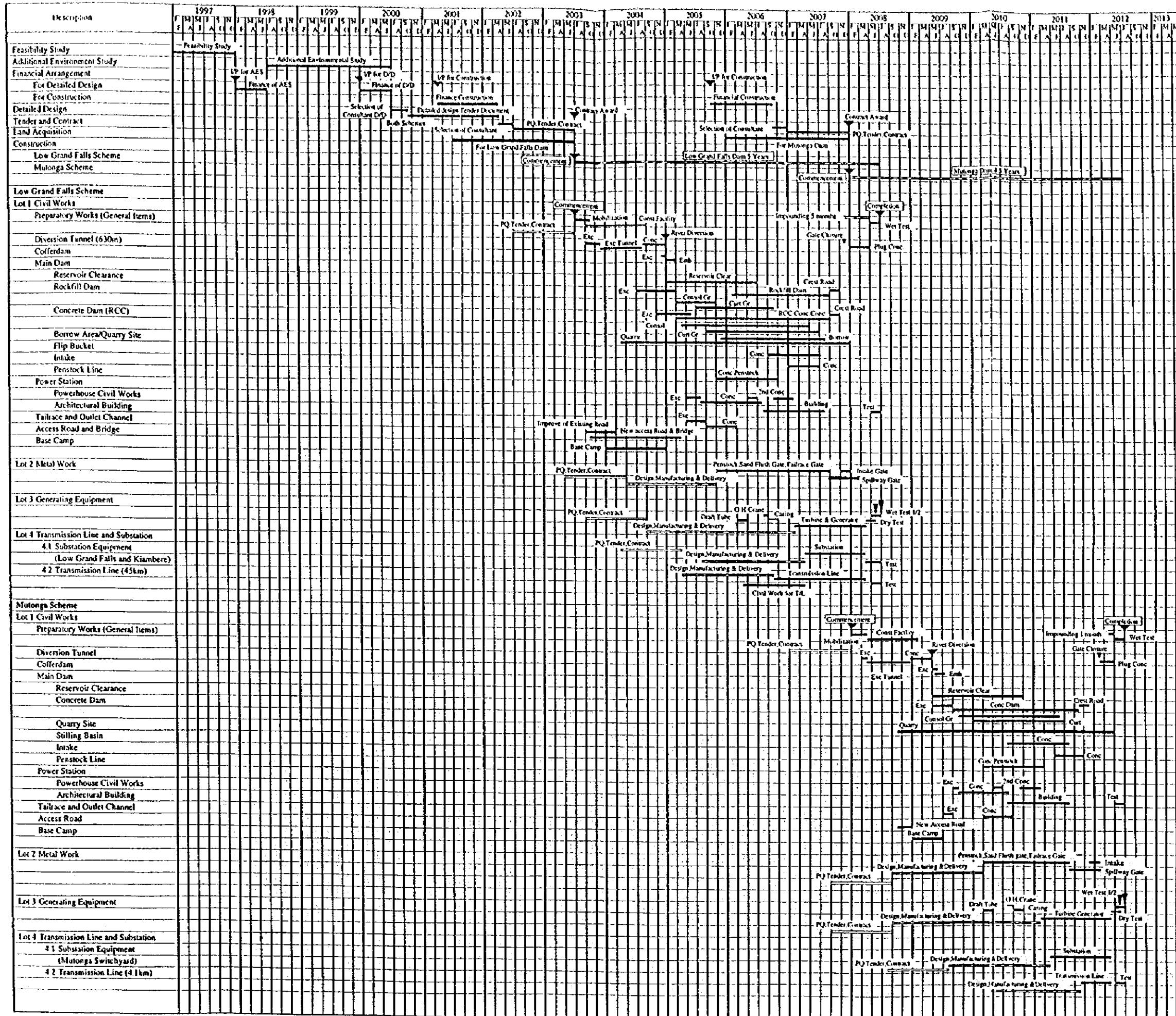


JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

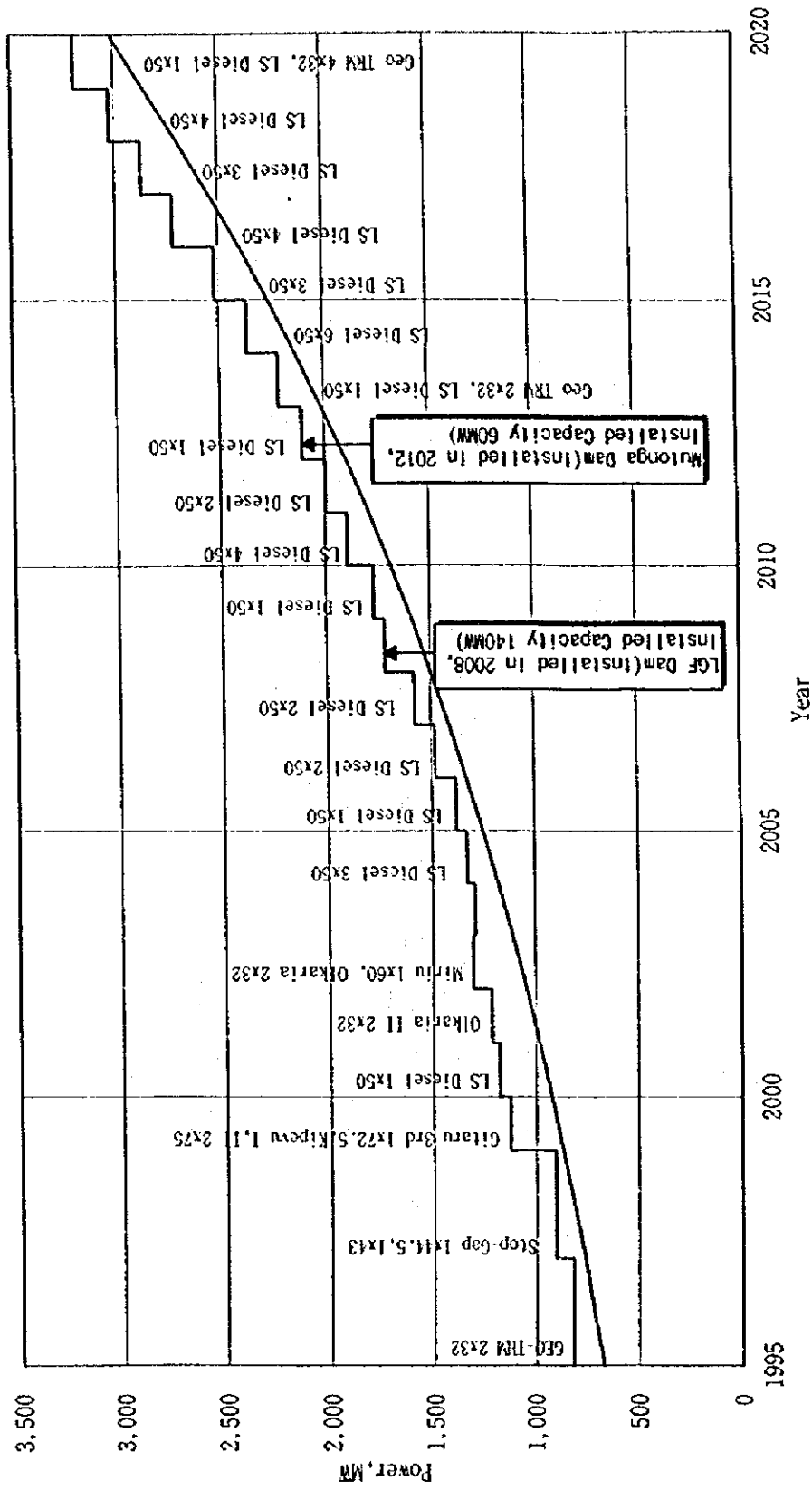
ムトンガダムの  
 10,000年確率洪水時の洪水追跡結果

Fig. No.  
 図 7.2

图 8.1 工程工程表







JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

最適投入時期検討結果による  
 電力のバランス

Fig. No. 図9.2.1

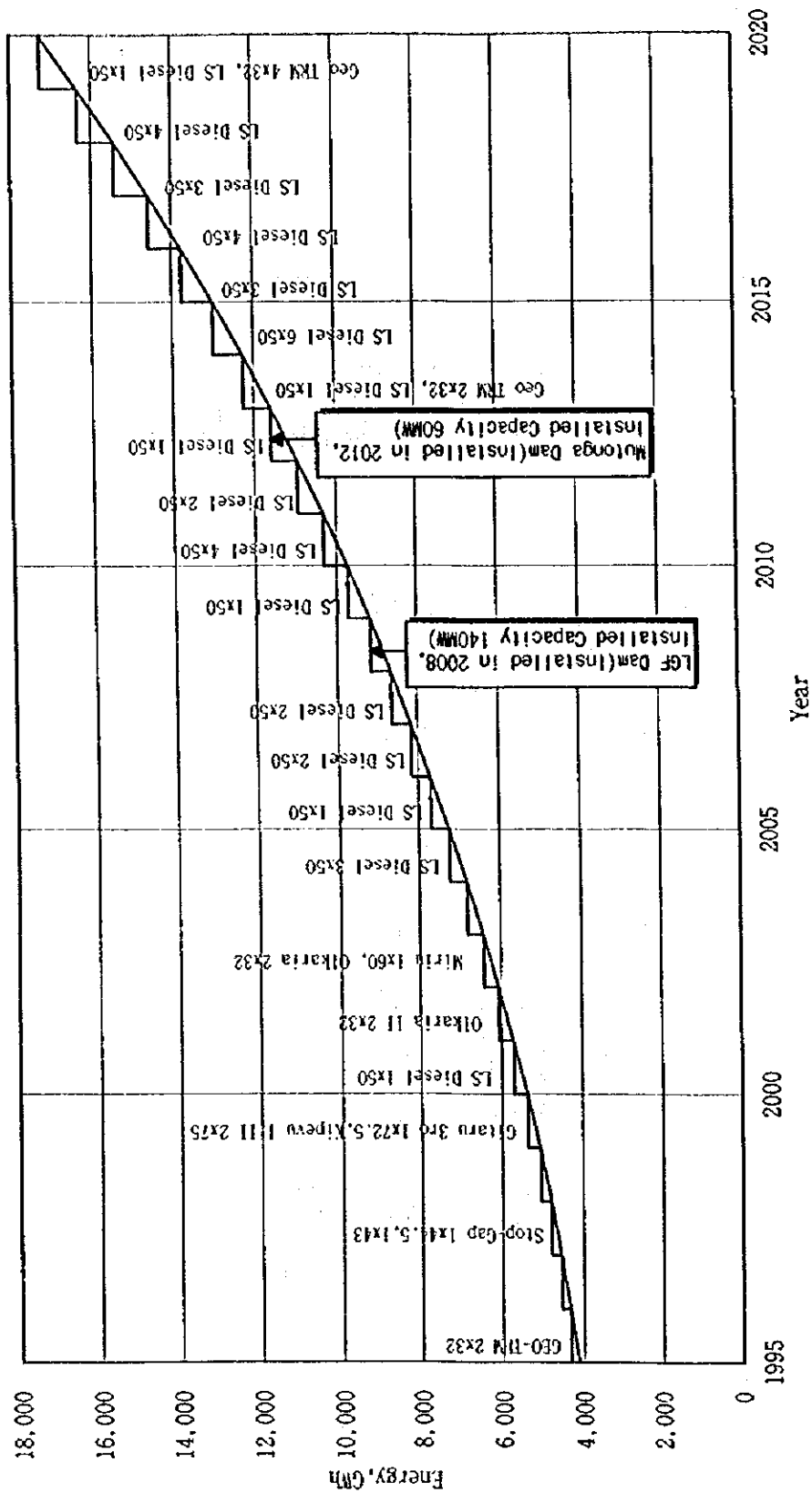


Fig. No.

図9.2.2

最適投入時期検討結果による  
電力量のバランス

JAPAN INTERNATIONAL COOPERATION AGENCY

REPUBLIC OF KENYA

MUTONGA/GRAND FALLS HYDROPOWER PROJECT

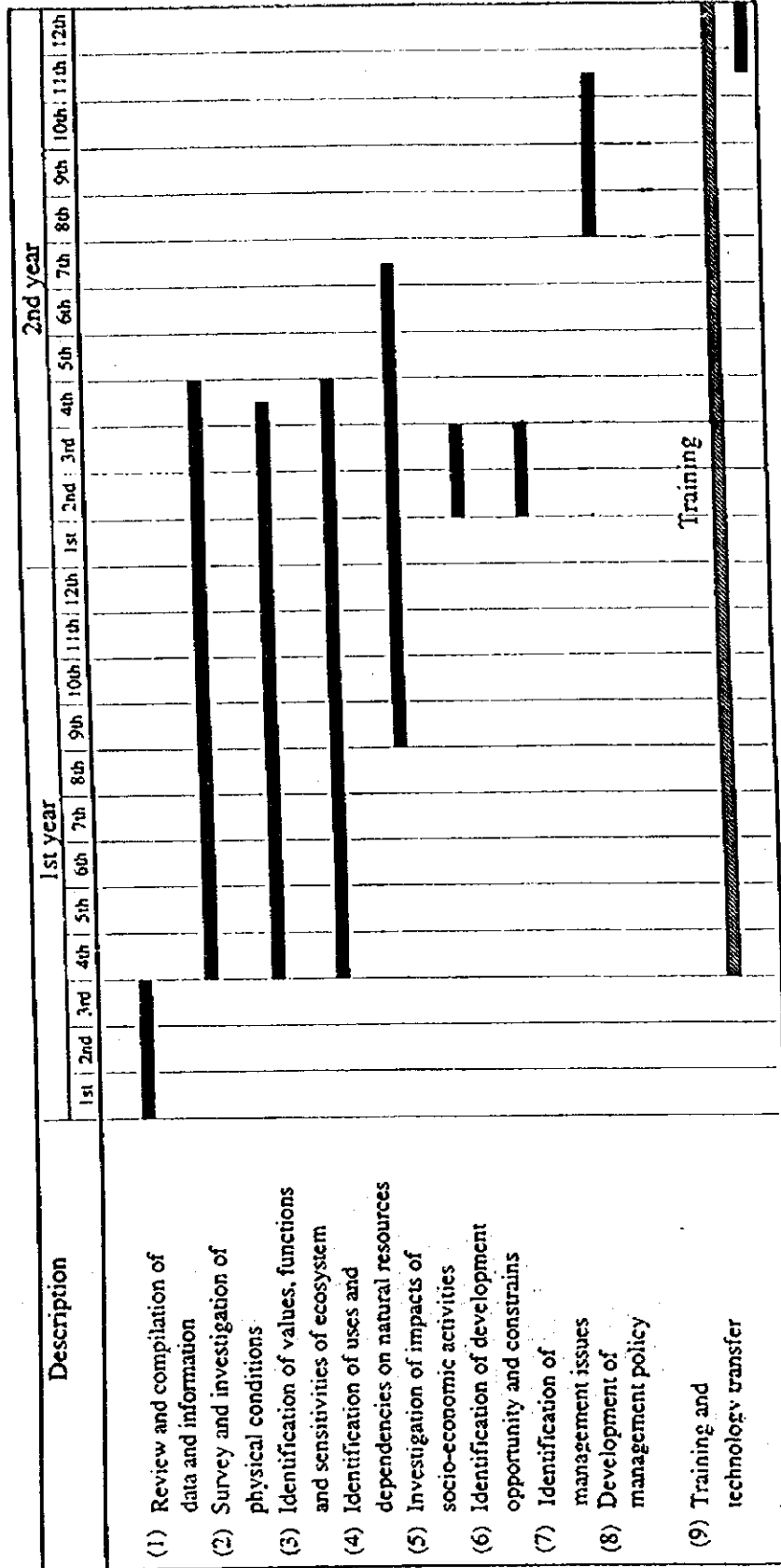


Fig. No. 10.1

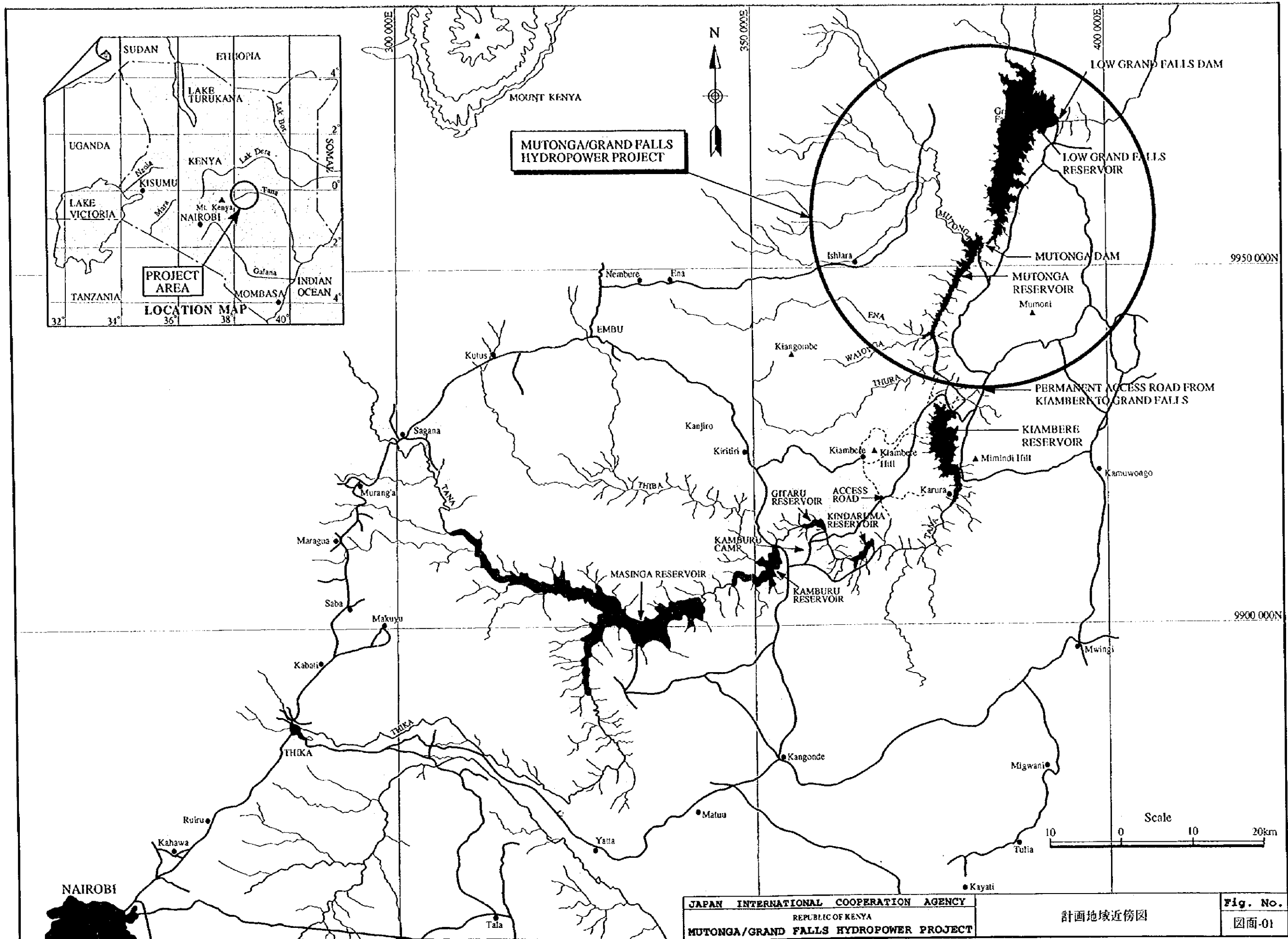
追加環境調査の工程

JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT





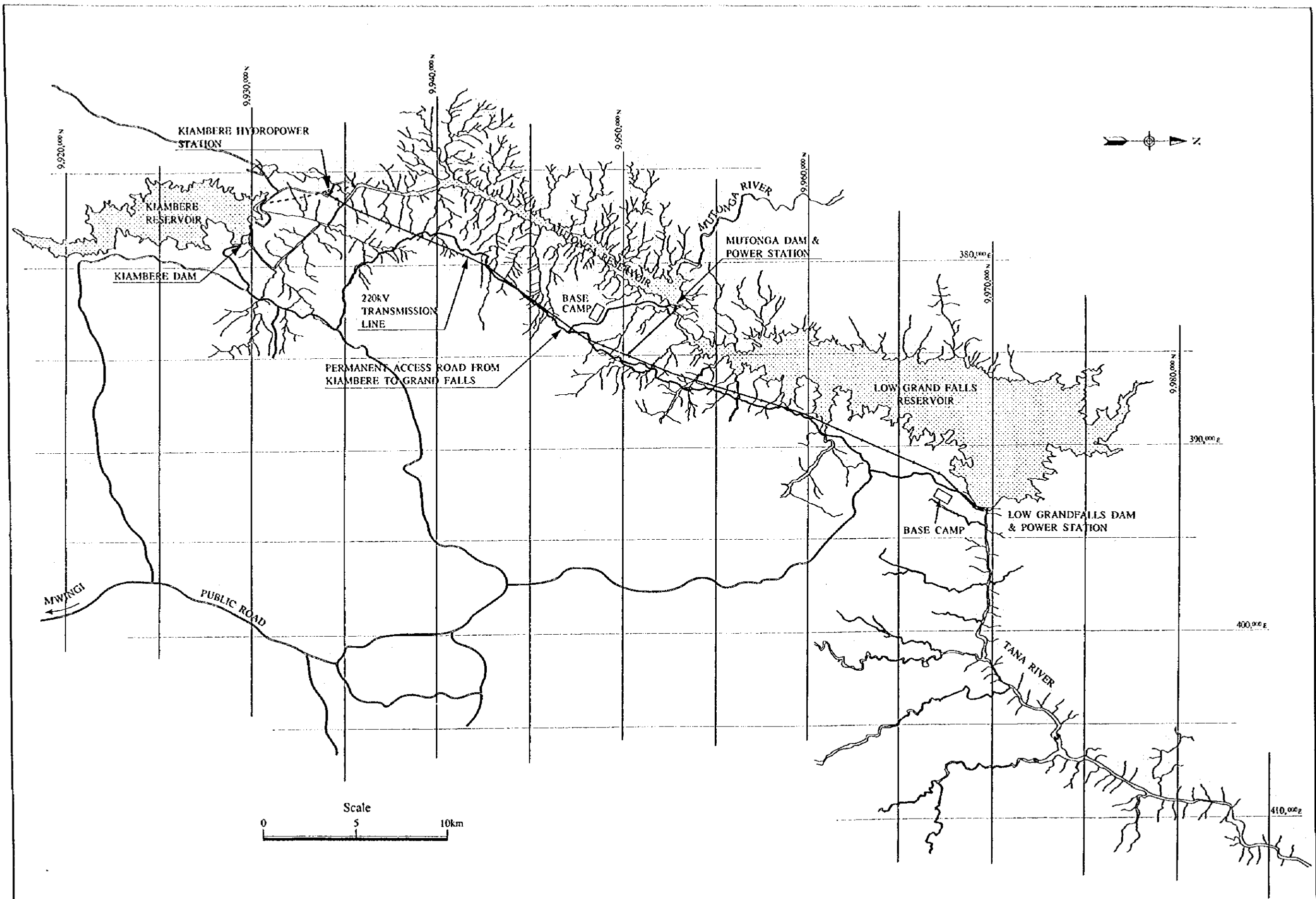
# 圖 面



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

計画地域近傍図

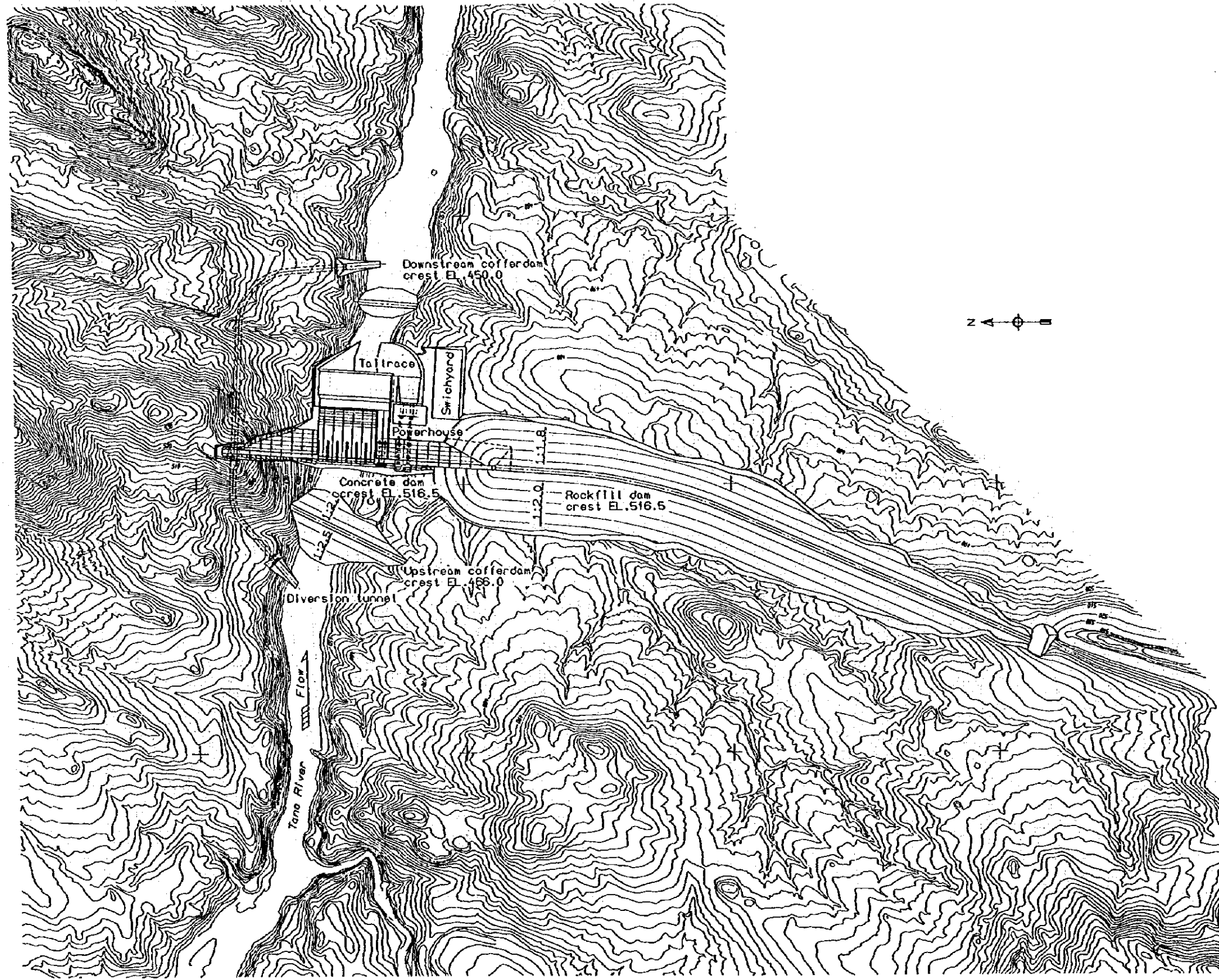
Fig. No.  
 図面-01



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

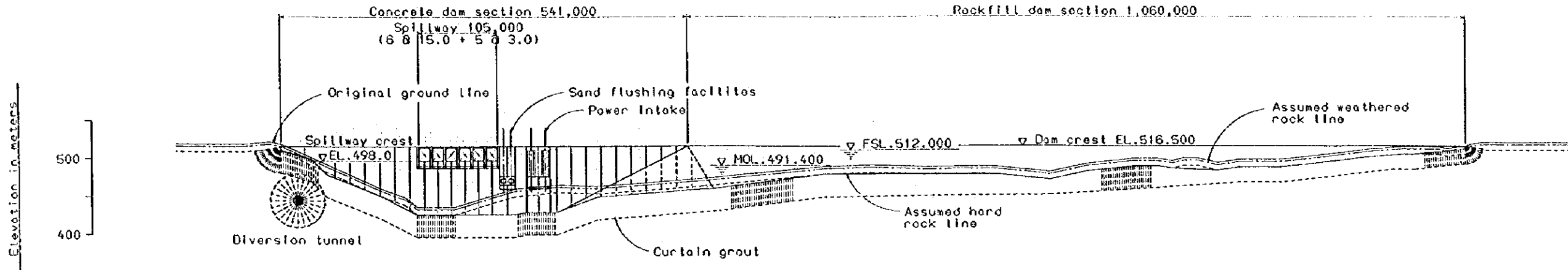
計画の一般配置図

Fig. No.  
 図面-02

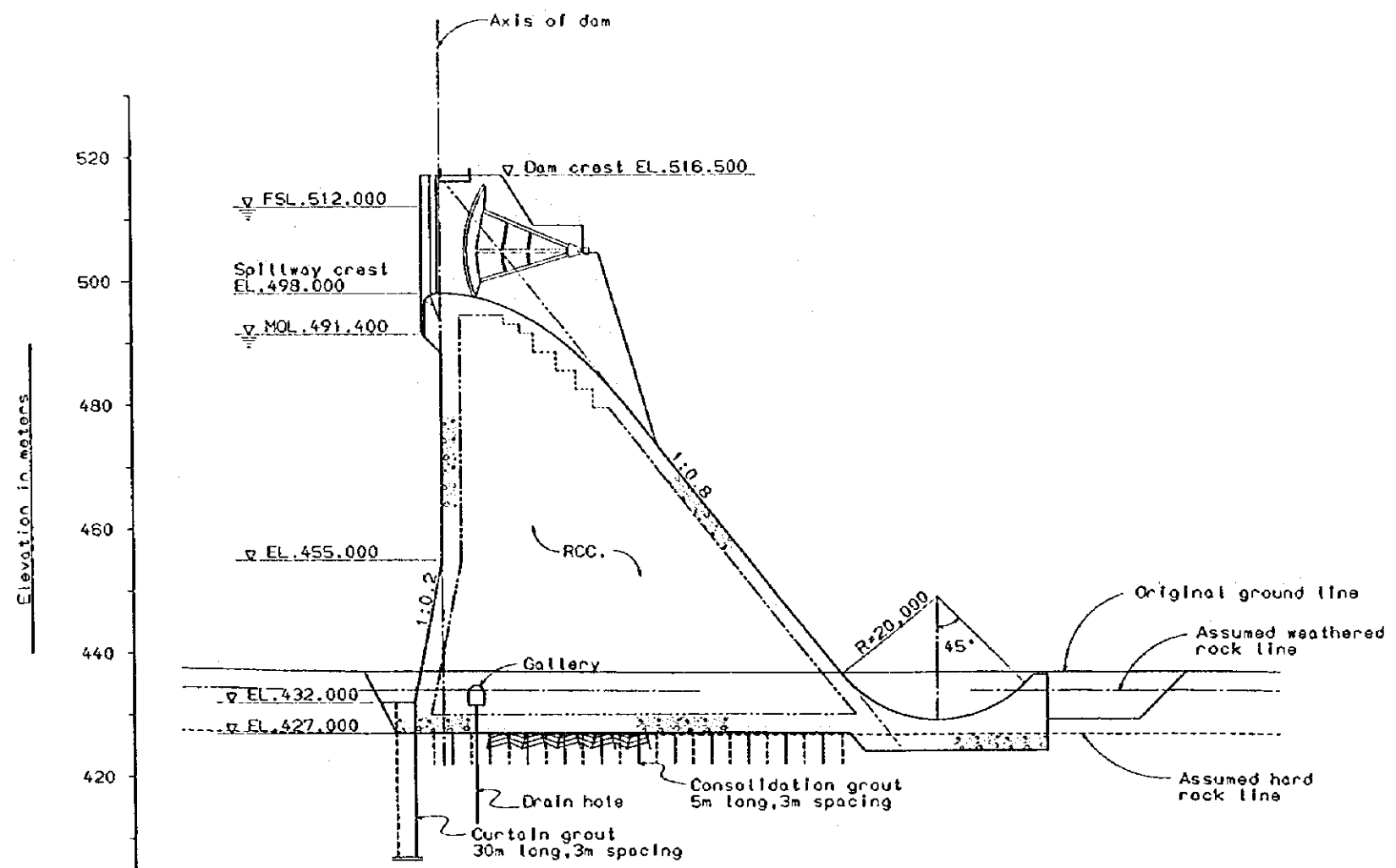


SCALE A 0 400

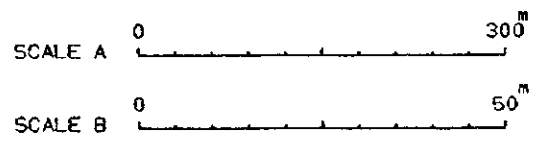
JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダム	Fig. No.
REPUBLIC OF KENYA	一般平面図	図面-03
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



UPSTREAM ELEVATION SCALE A



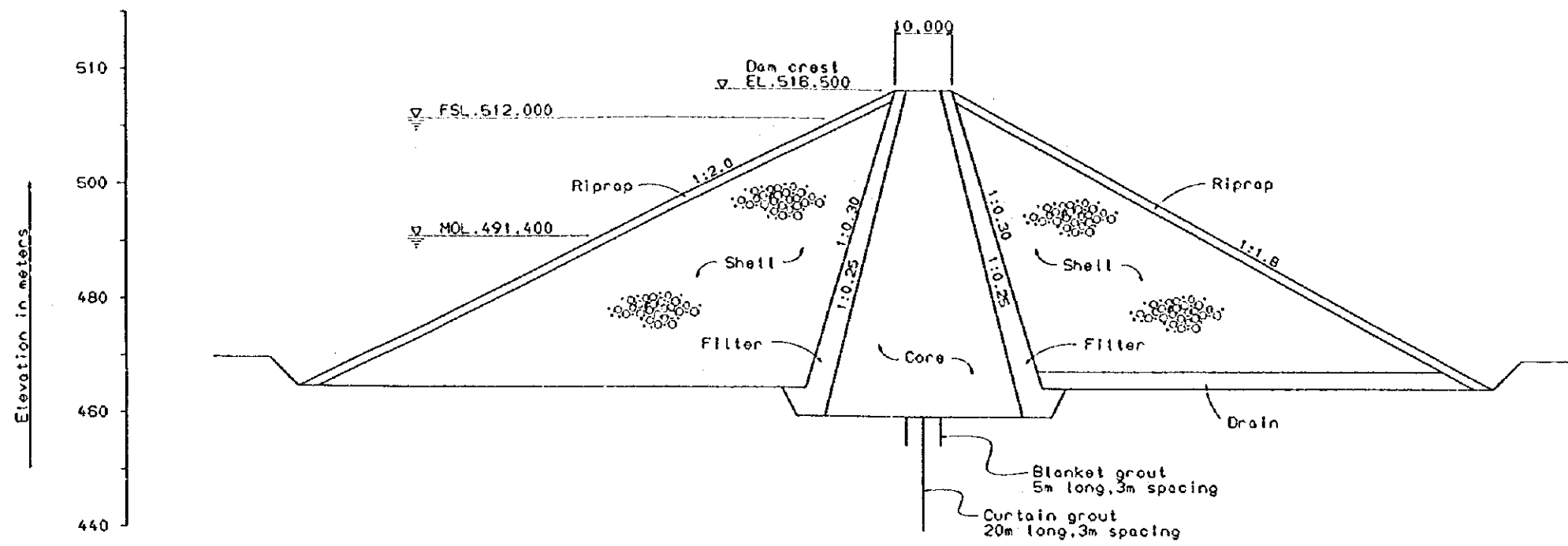
OVER FLOW SECTION SCALE B



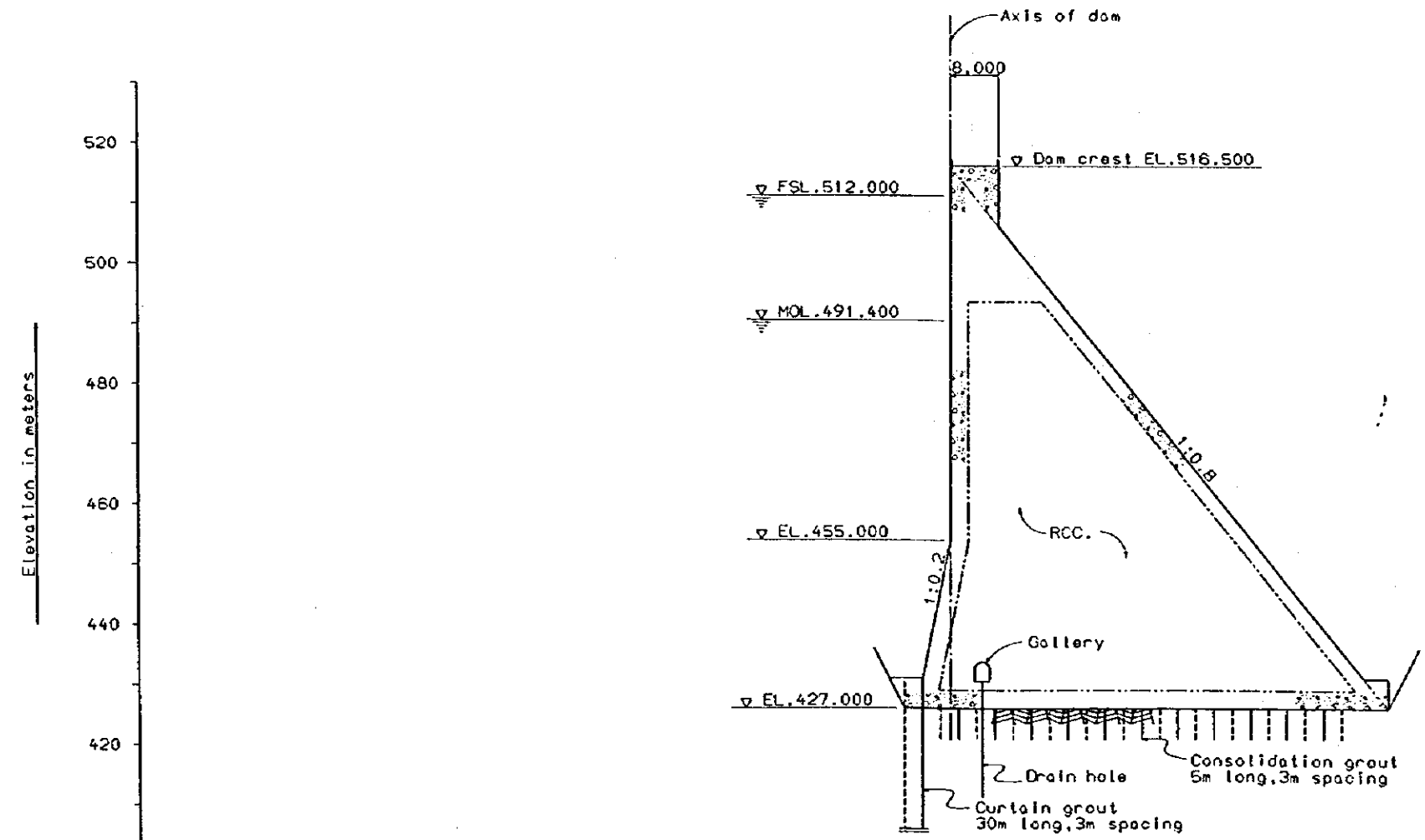
JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

低ランドフォールズダム  
 上流面図及び標準断面図

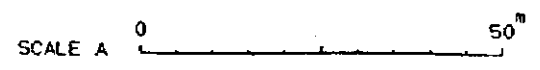
Fig. No.  
 図面-04



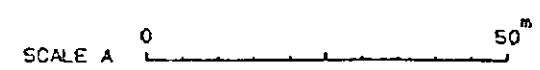
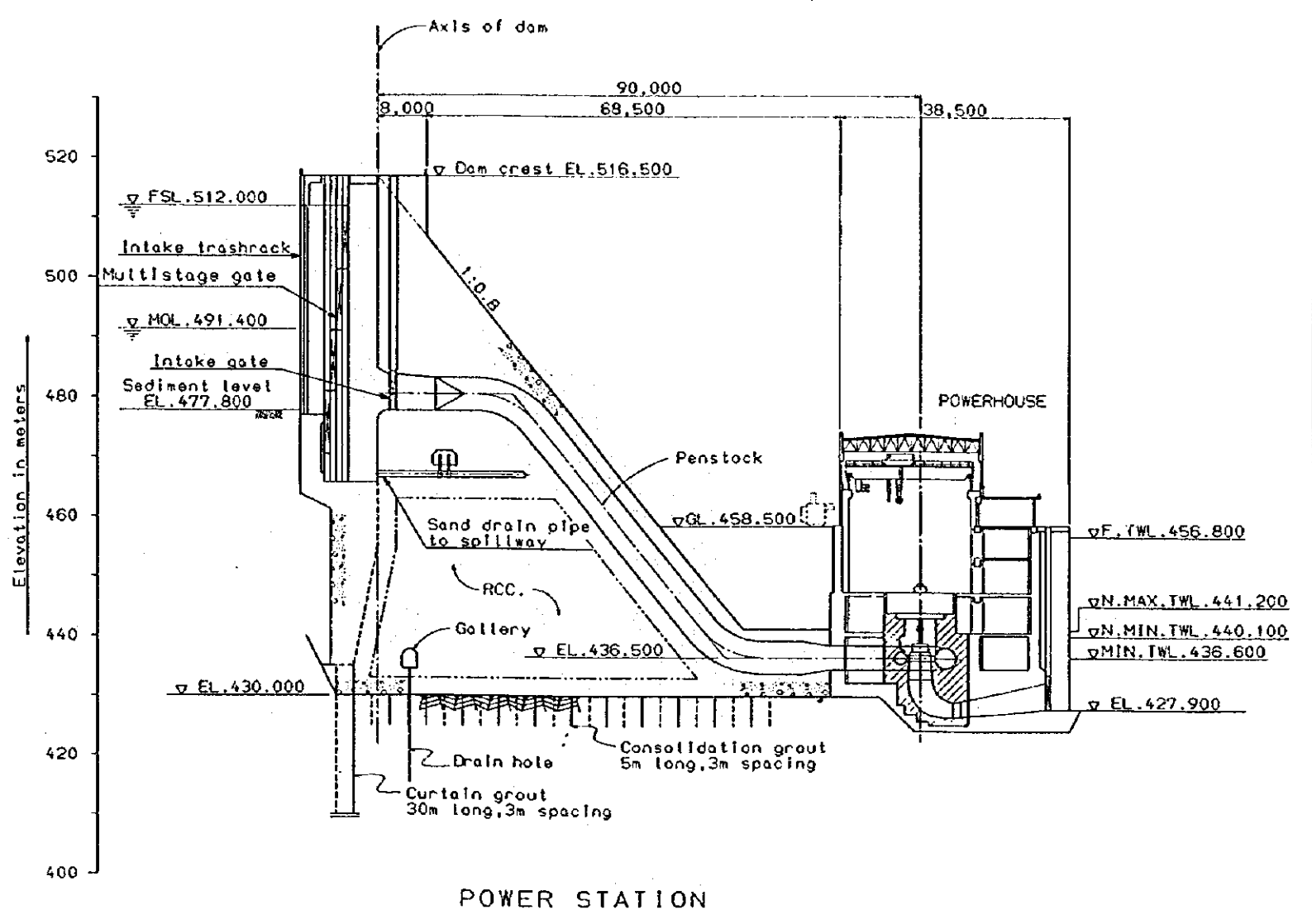
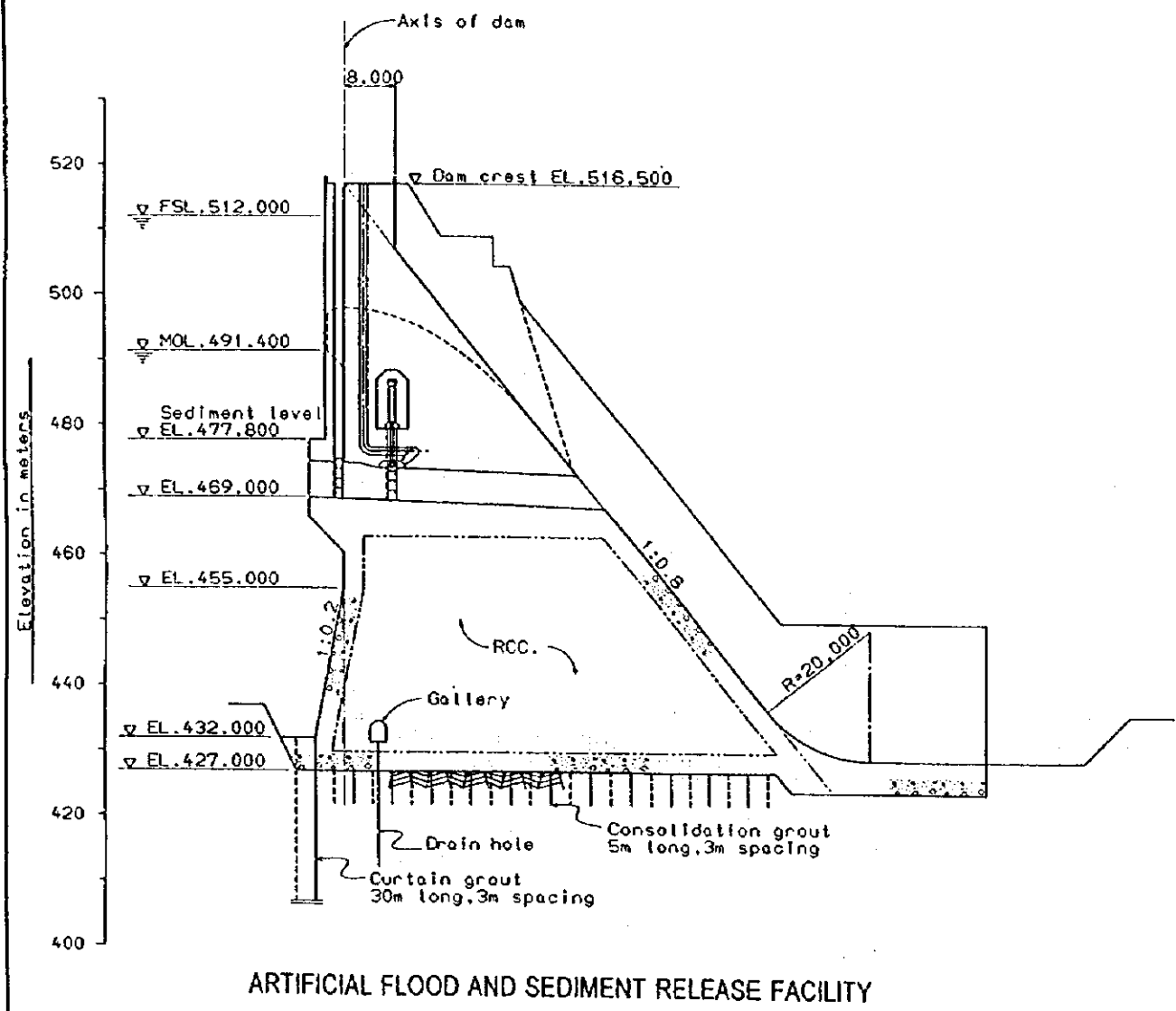
ROCKFILL DAM



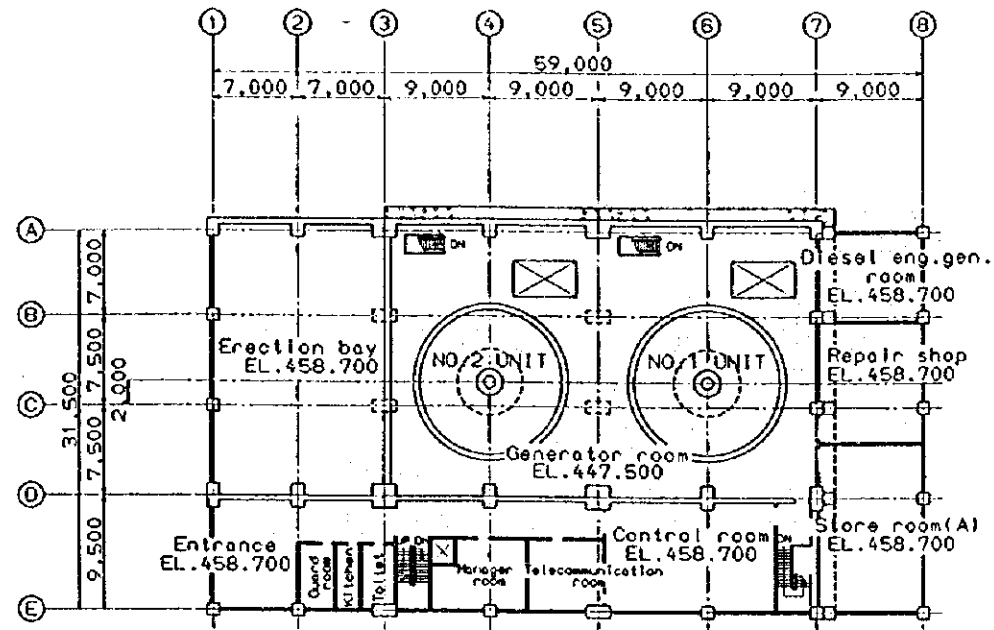
NON-OVER FLOW SECTION



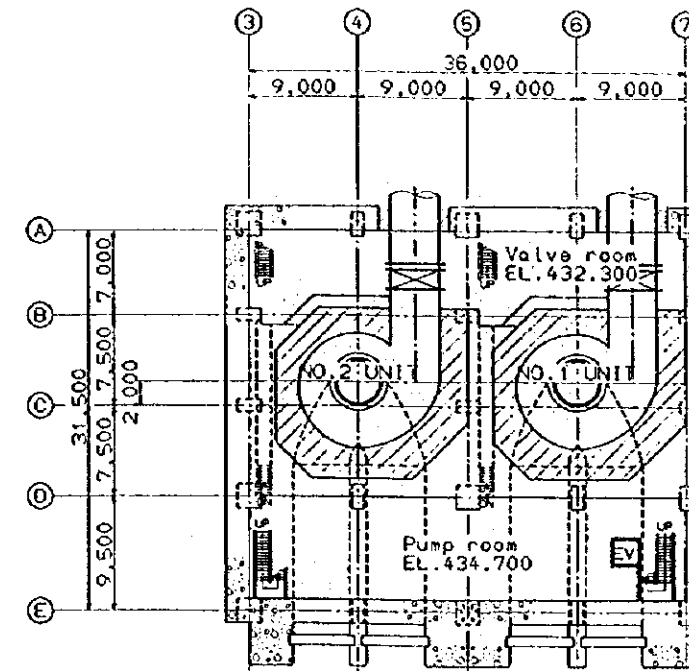
JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダム	Fig. No.
REPUBLIC OF KENYA	コンクリートダムとロックフィルダムの断面図	図面-05
MJTONGA/GRAND FALLS HYDROPOWER PROJECT		



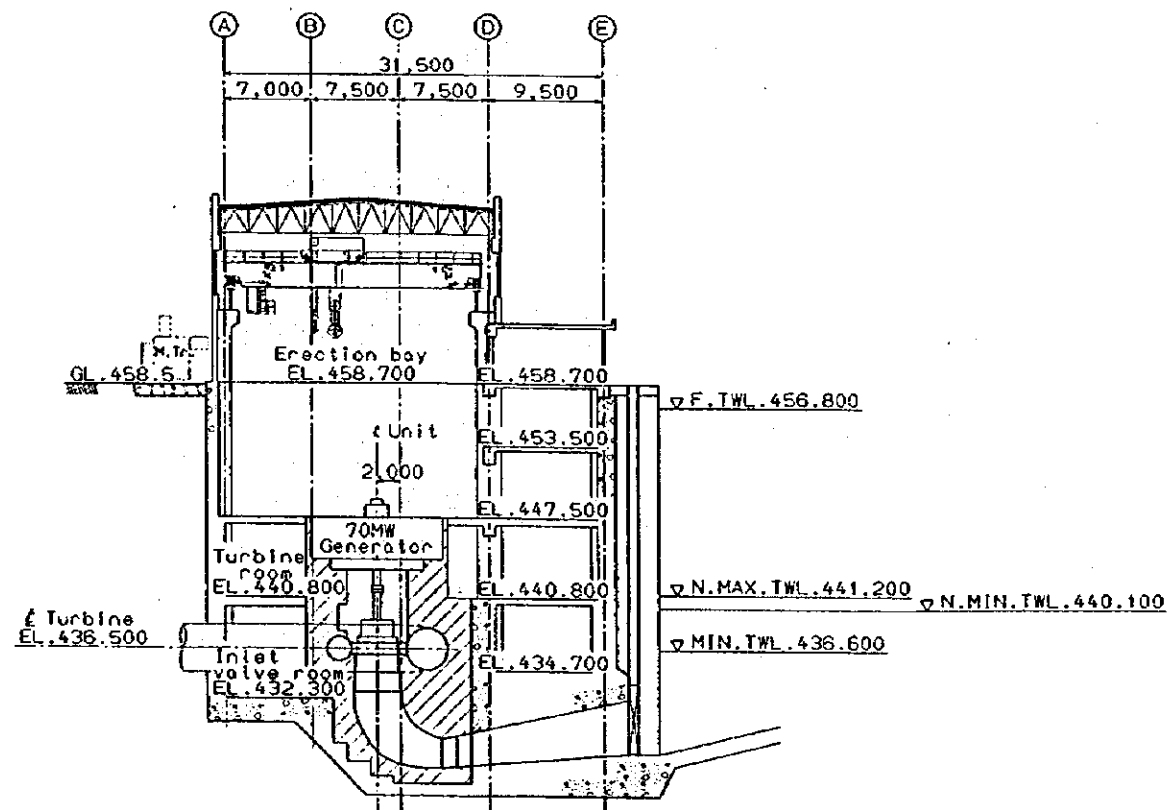
JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダム	Fig. No.
REPUBLIC OF KENYA	人工洪水と土砂放流設備及び発電所	図面-06
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



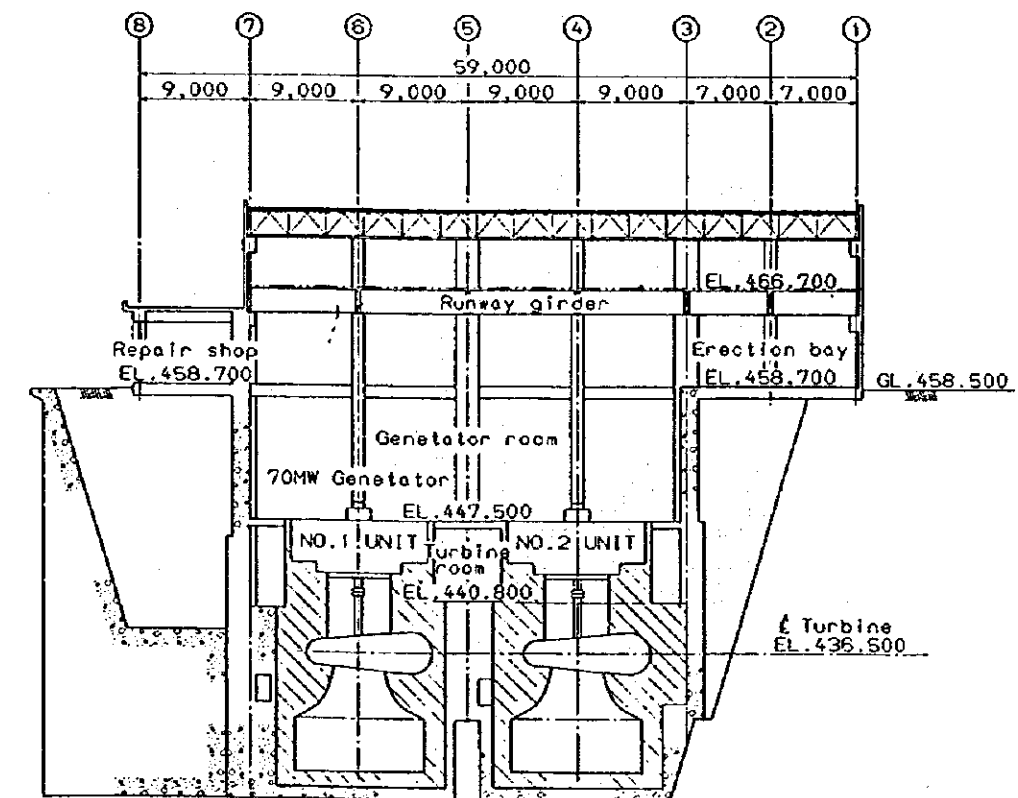
FLOOR PLAN AT EL.447.500



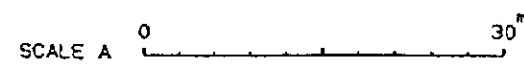
FLOOR PLAN AT EL.434.700



TRANSVERSE SECTION

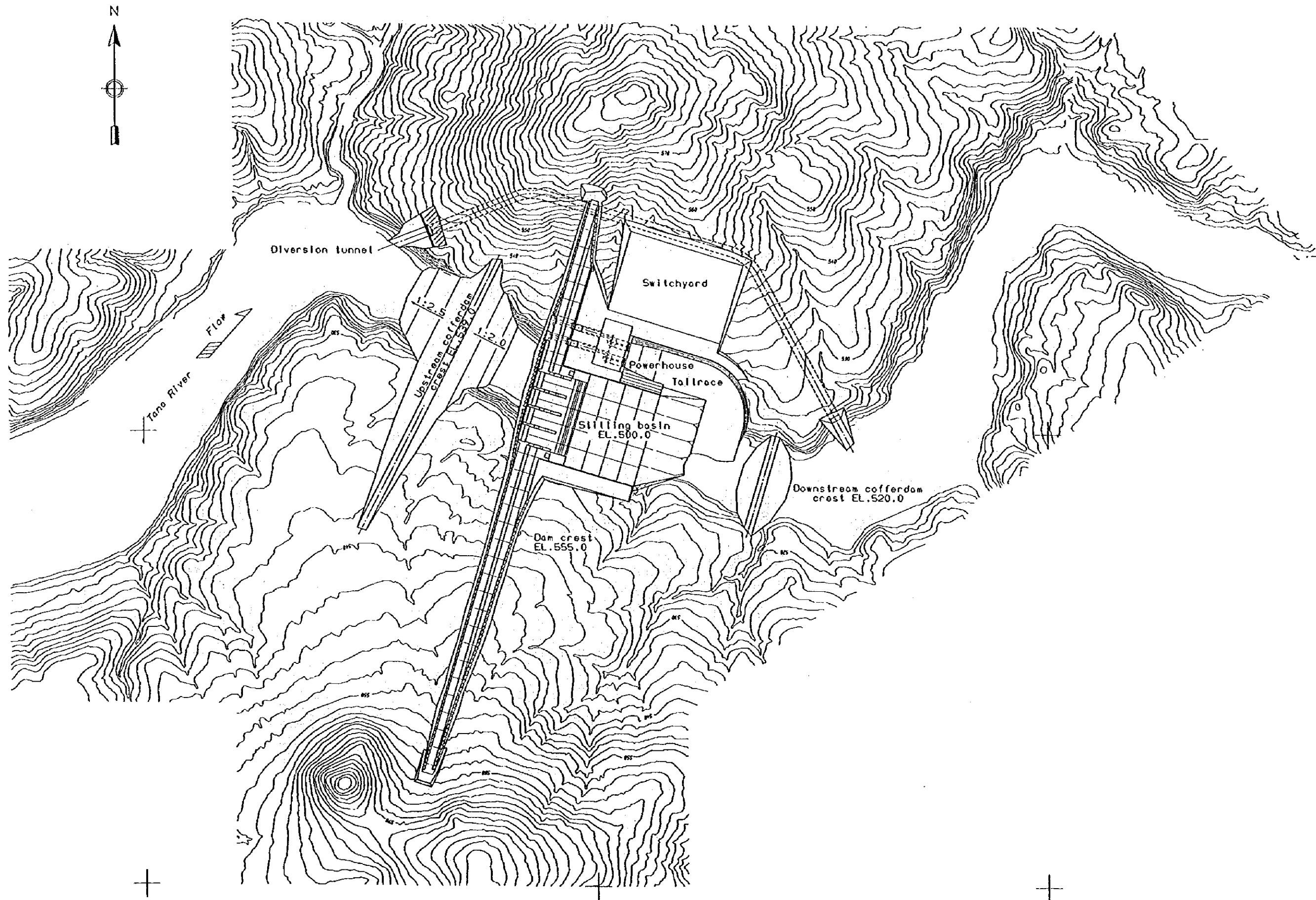


LONGITUDINAL SECTION



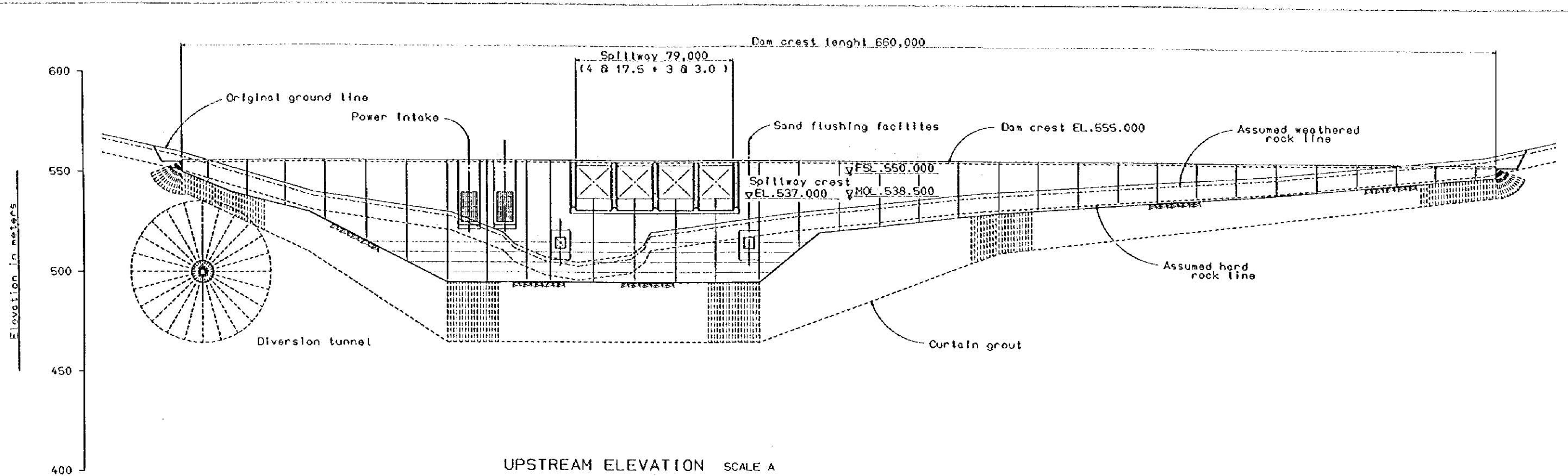
JAPAN INTERNATIONAL COOPERATION AGENCY	低グランドフォールズダム	Fig. No.
REPUBLIC OF KENYA	発電所	図面-07
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



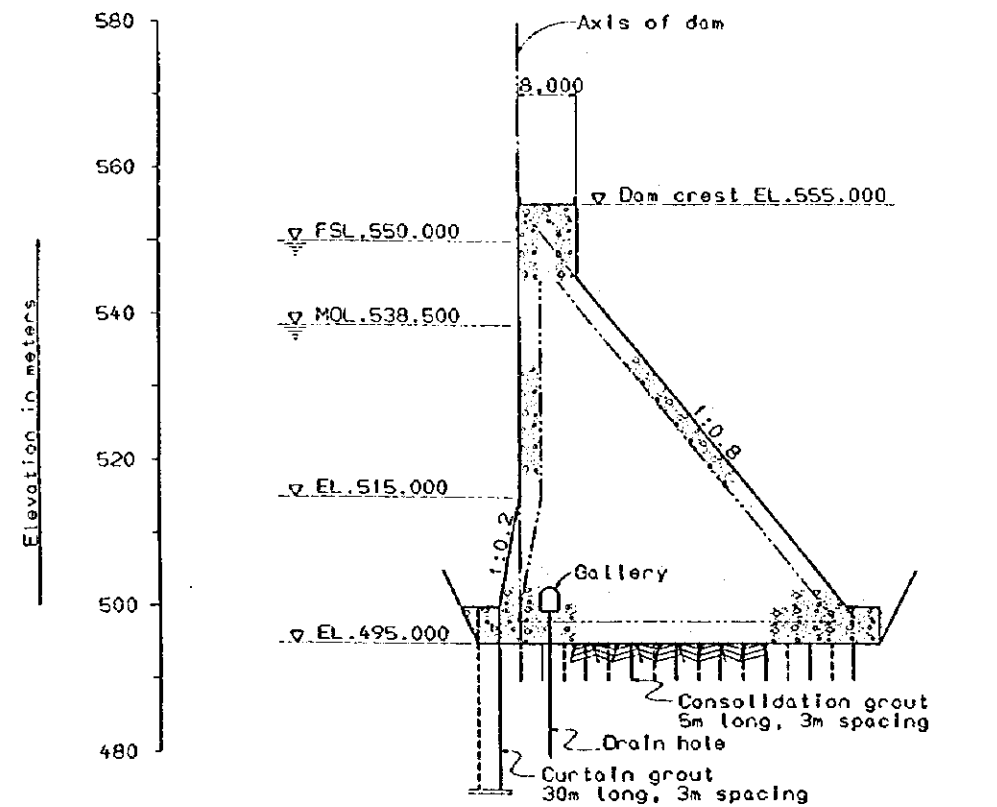


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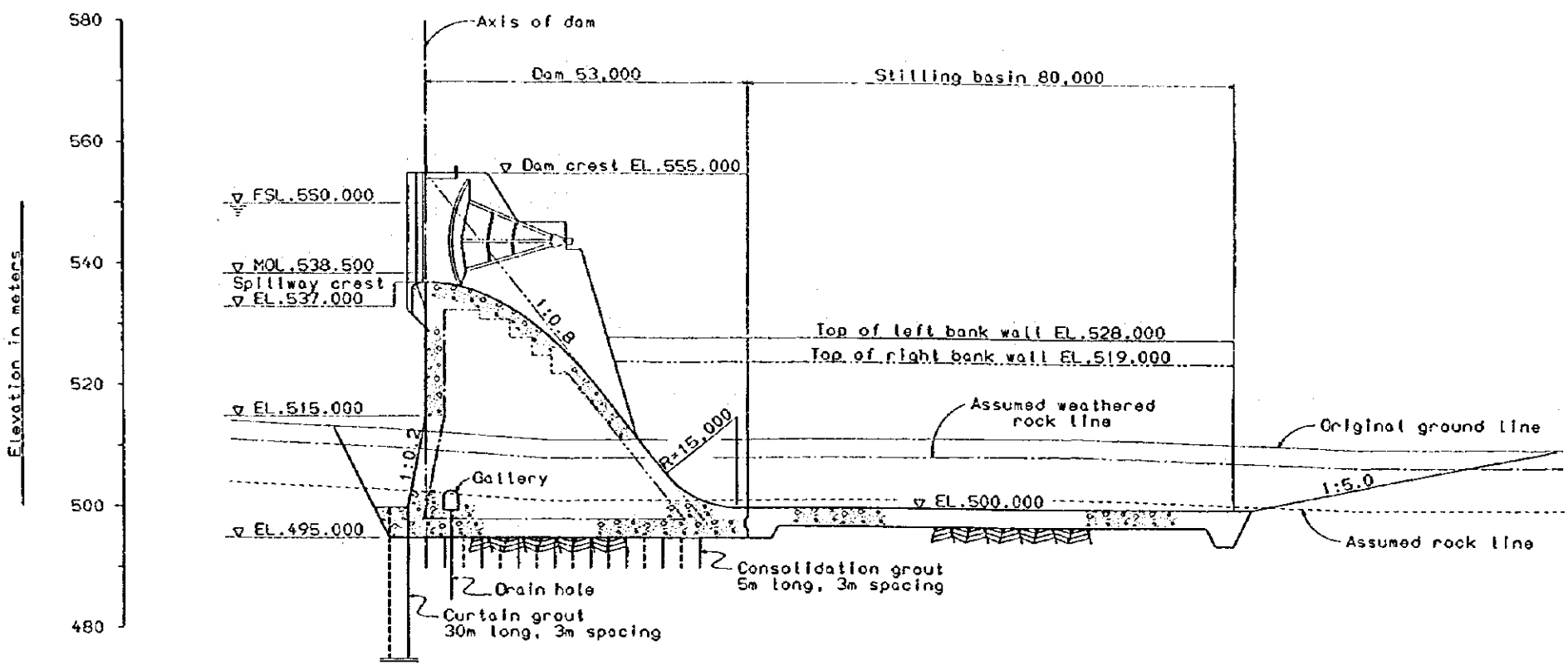
JAPAN INTERNATIONAL COOPERATION AGENCY	ムトンガダム	Fig. No.
REPUBLIC OF KENYA	一般平面図	図面-08
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



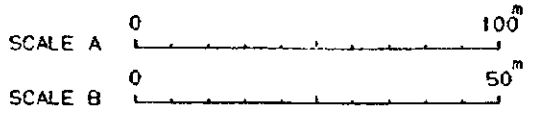
UPSTREAM ELEVATION SCALE A



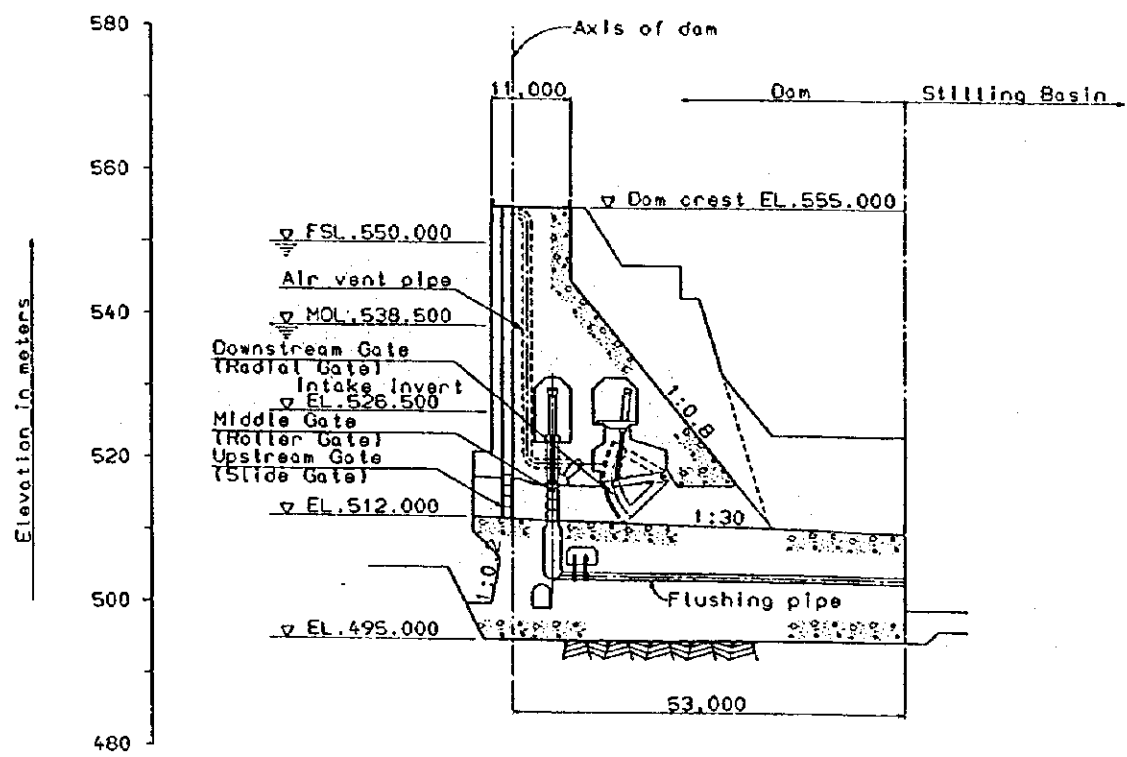
NON-OVER FLOW SECTION SCALE B



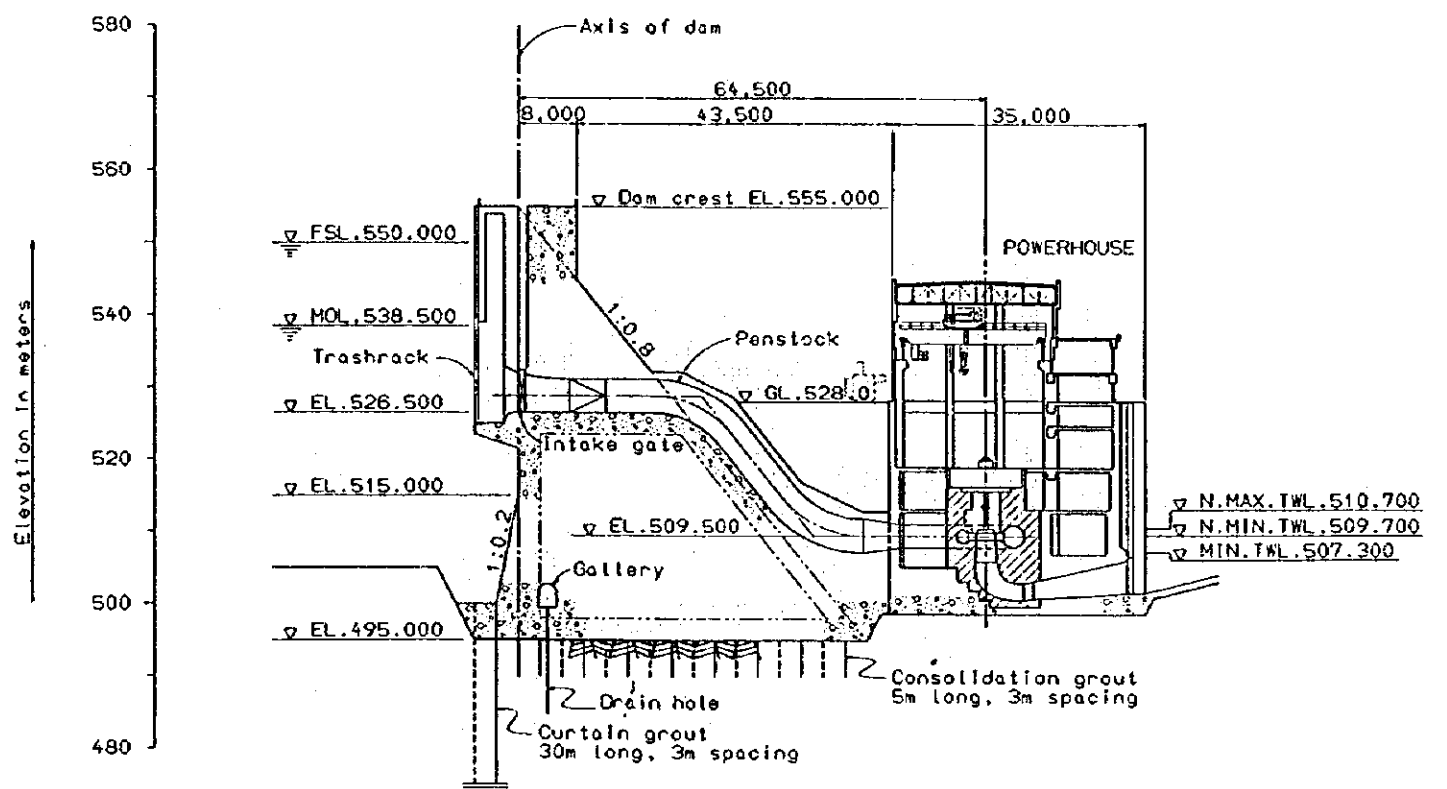
OVER FLOW SECTION SCALE B



JAPAN INTERNATIONAL COOPERATION AGENCY	ムトンガダム	Fig. No.
REPUBLIC OF KENYA	上流面図及び標準断面図	図面-09
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



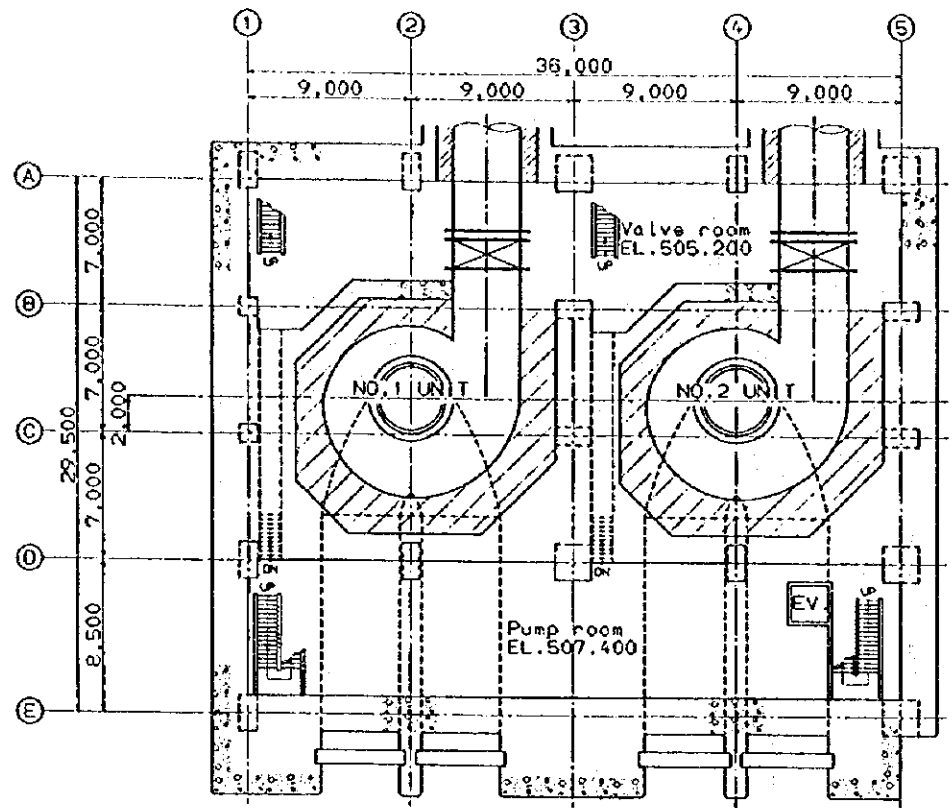
ARTIFICIAL FLOOD AND SEDIMENT RELEASE FACILITY



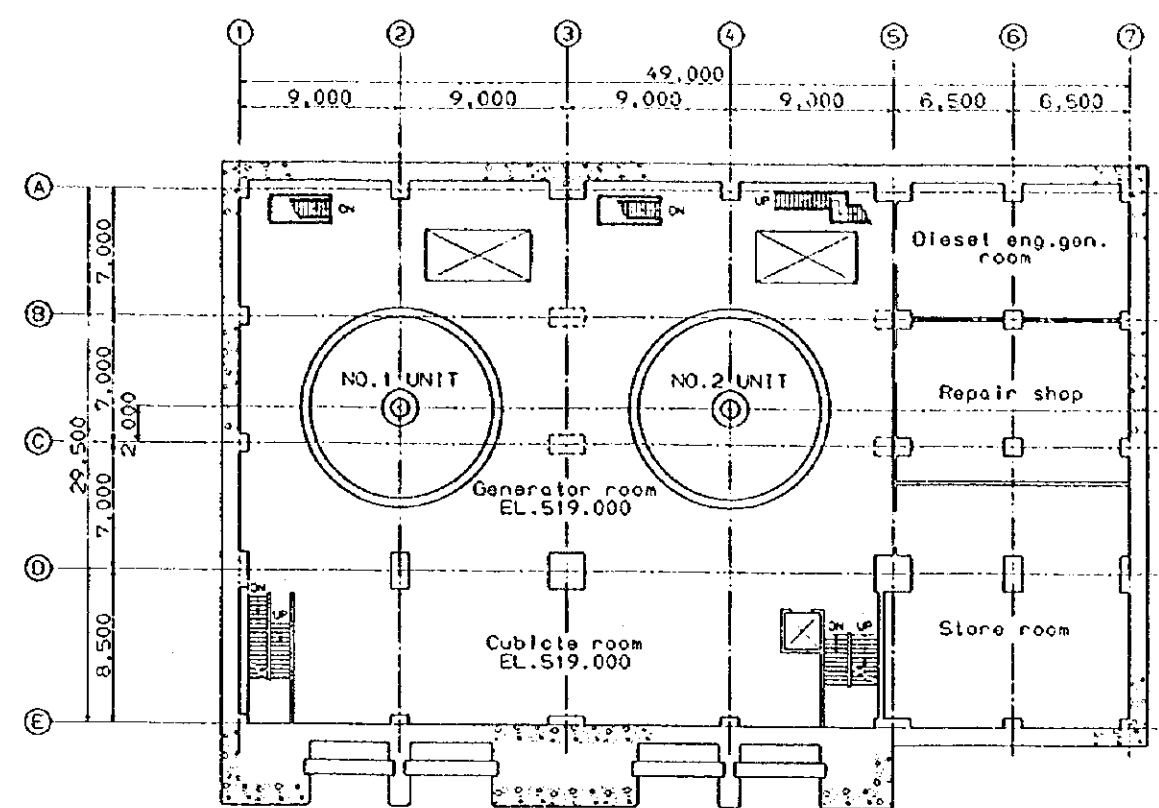
POWER STATION

SCALE A 0 50<sup>m</sup>

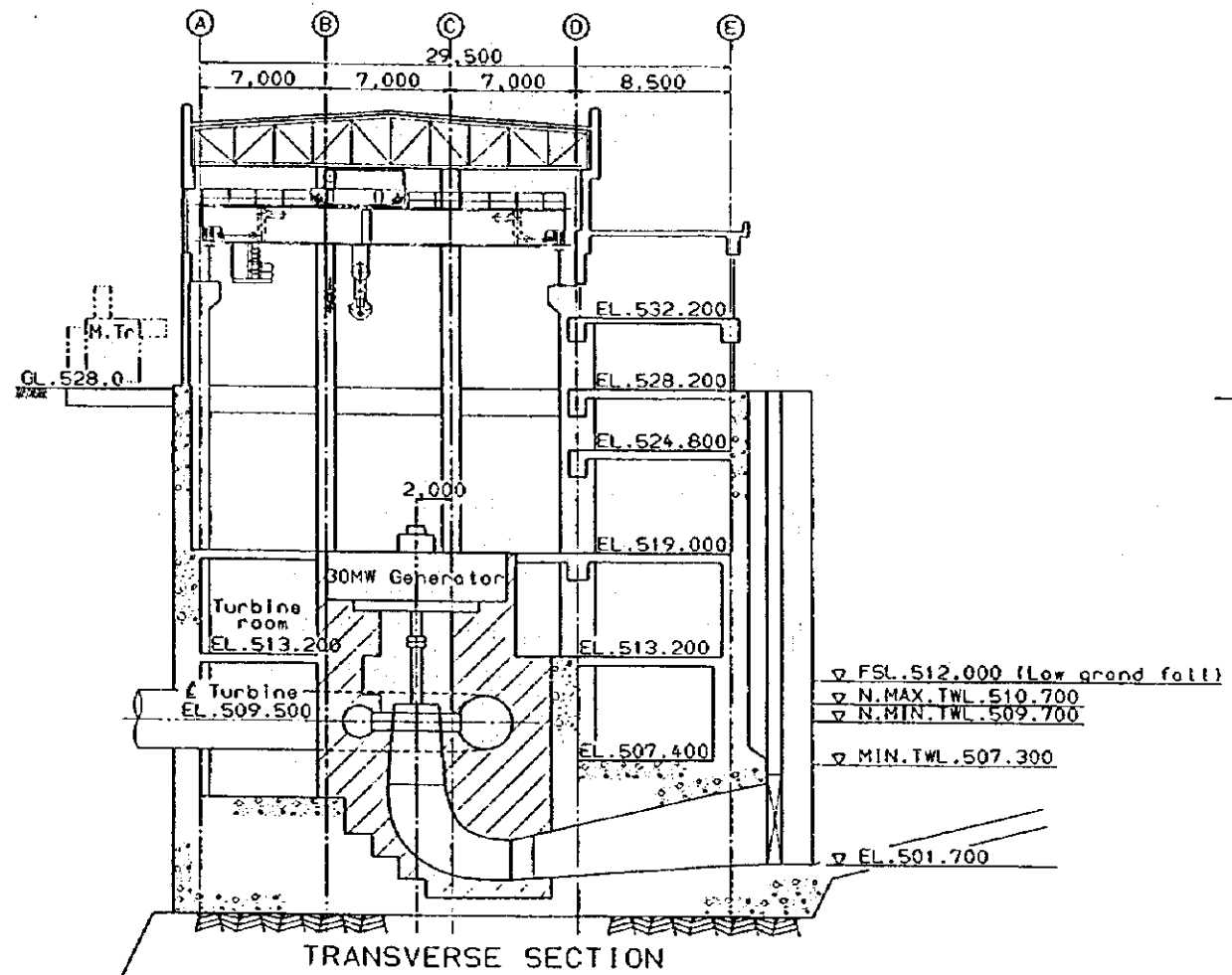
JAPAN INTERNATIONAL COOPERATION AGENCY	ムトンガダム	Fig. No.
REPUBLIC OF KENYA	人工洪水と土砂放流設備及び発電所	図面-10
MUTONGA/GRAND FALLS HYDROPOWER PROJECT		



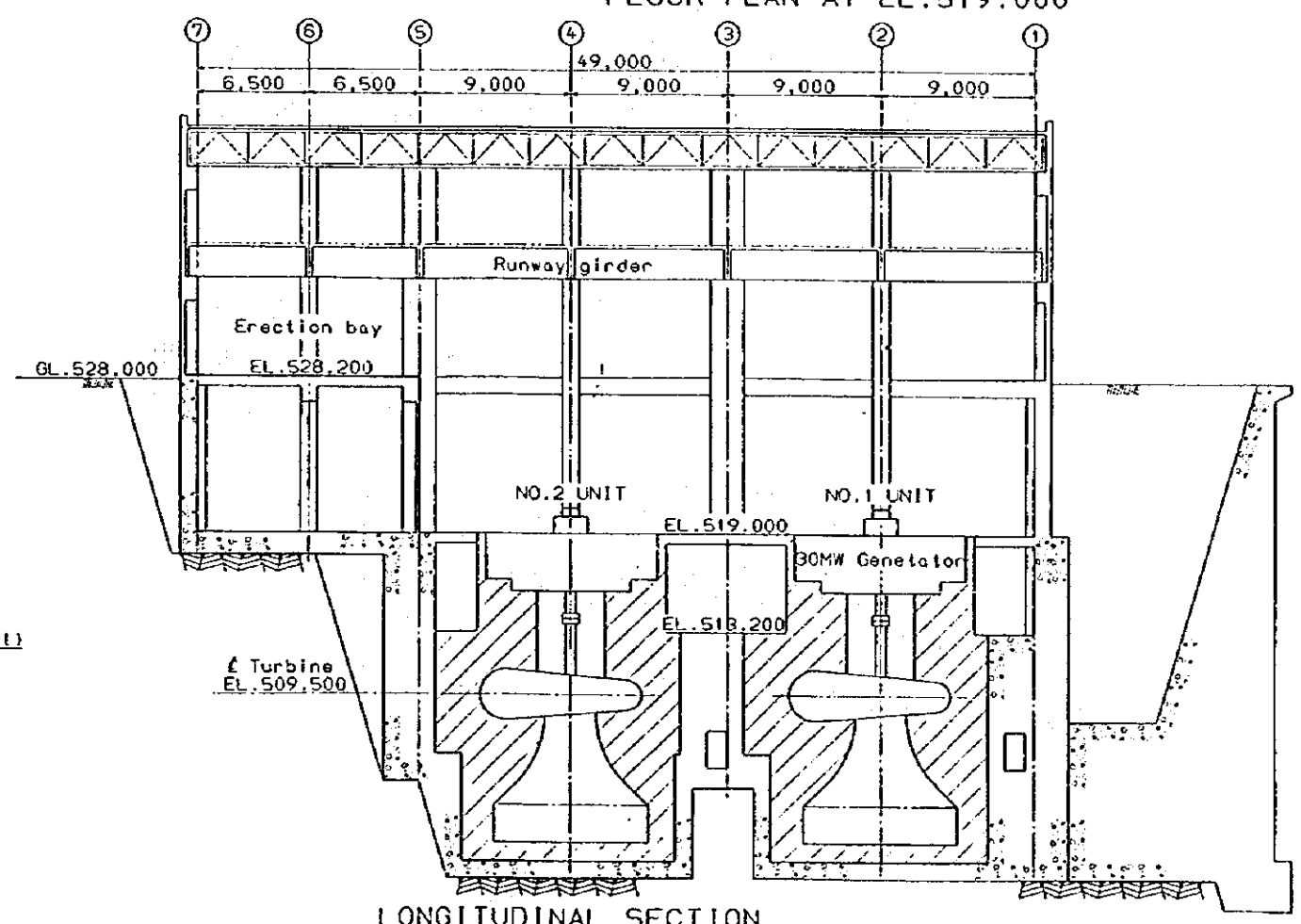
FLOOR PLAN AT EL. 507.400



FLOOR PLAN AT EL. 519.000



TRANSVERSE SECTION



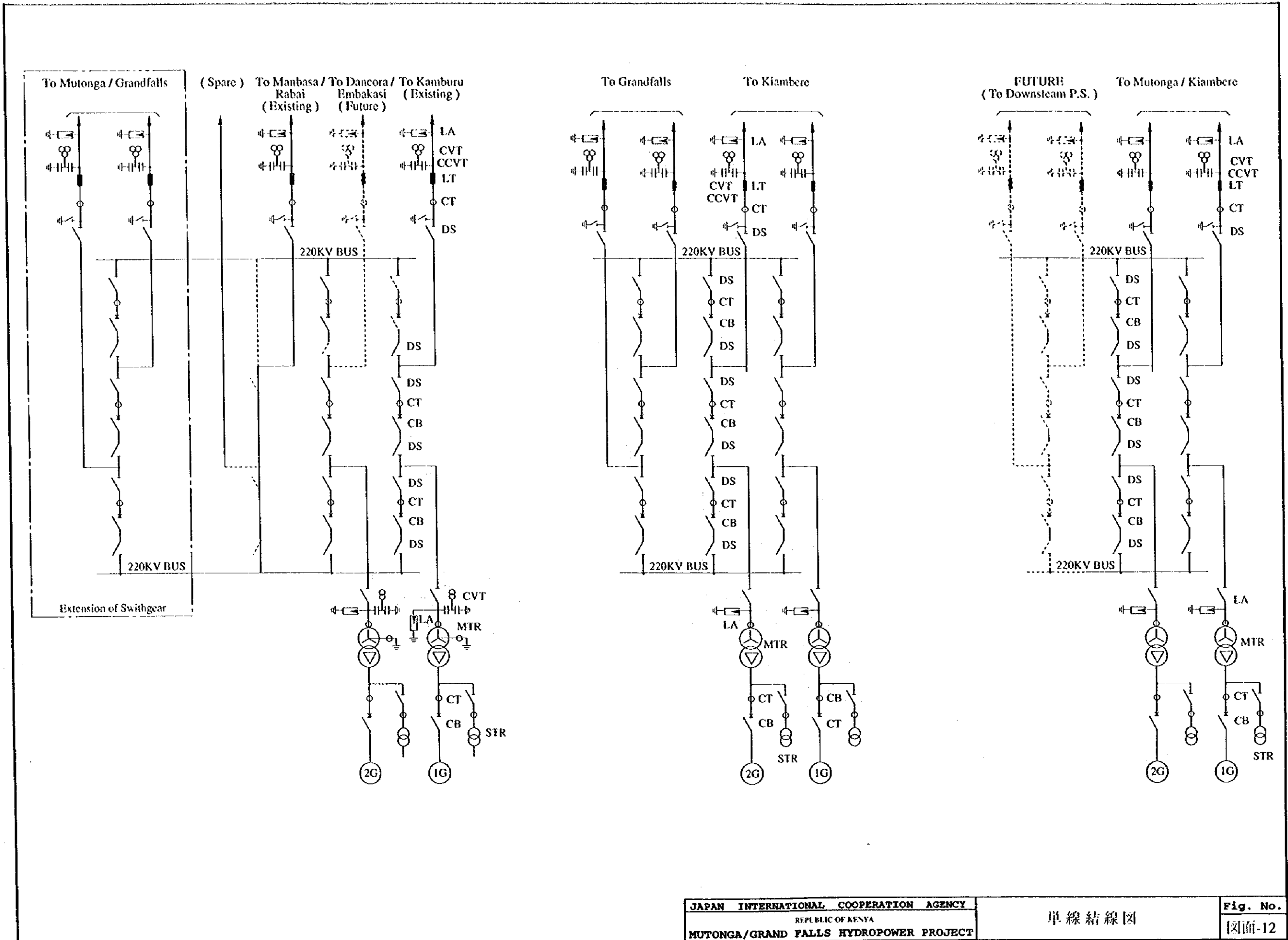
LONGITUDINAL SECTION

SCALE A 0 20<sup>m</sup>

JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

ムトンガダム  
 発電所

Fig. No.  
 図面-11



JAPAN INTERNATIONAL COOPERATION AGENCY  
 REPUBLIC OF KENYA  
 MUTONGA/GRAND FALLS HYDROPOWER PROJECT

單線結線圖

Fig. No.  
 圖面-12











JICA