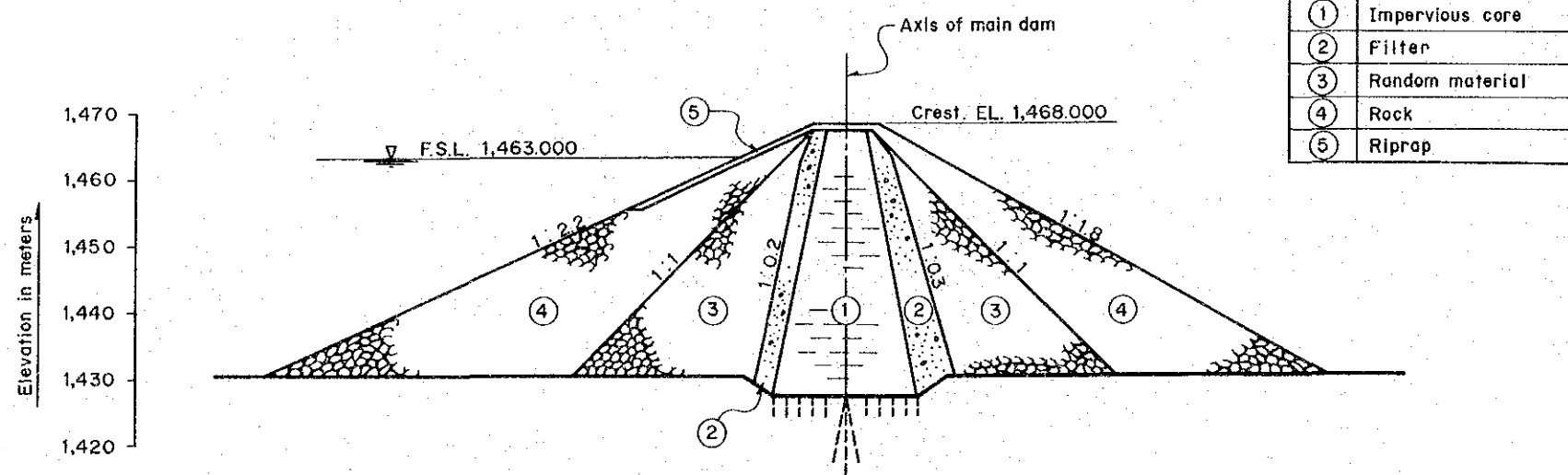
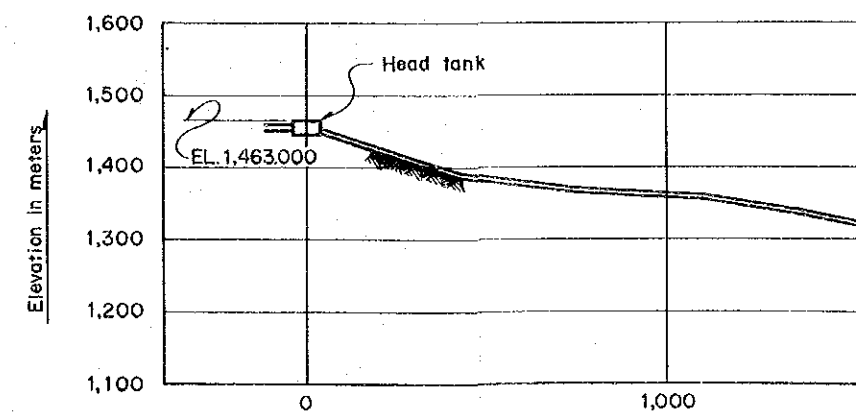
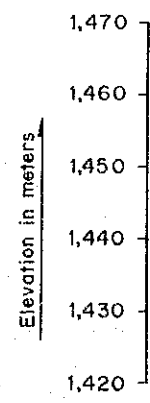




PLAN

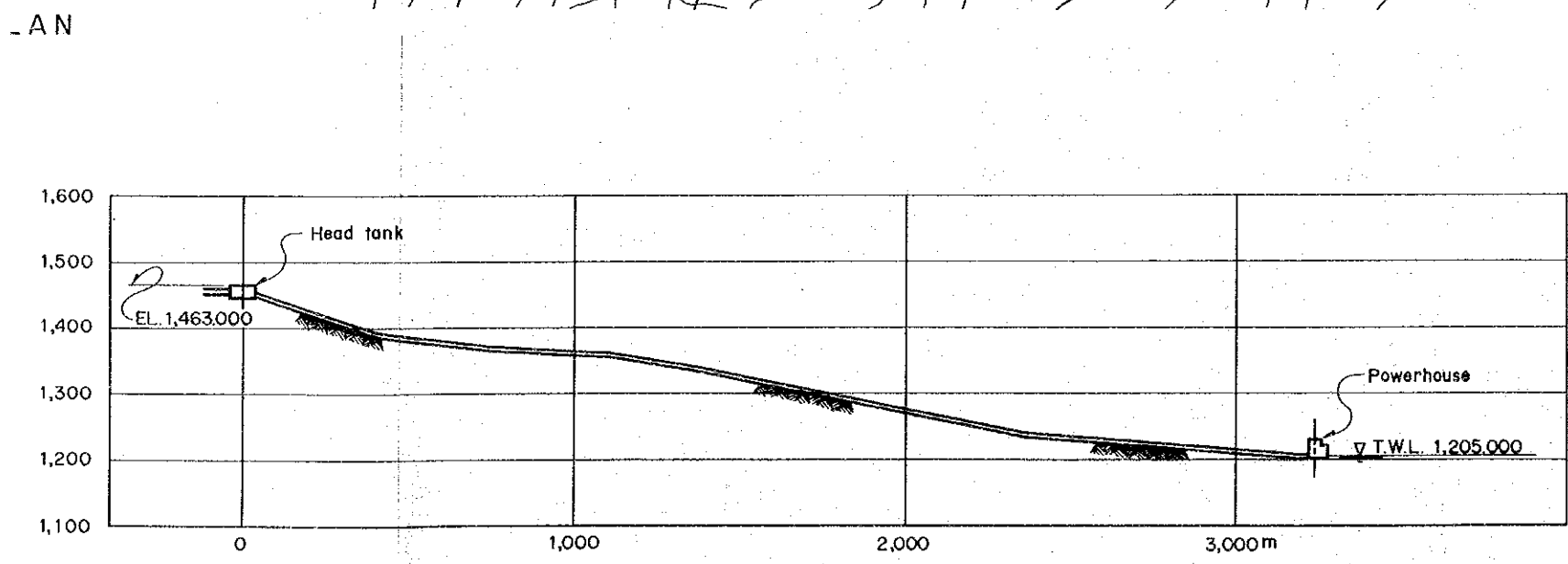
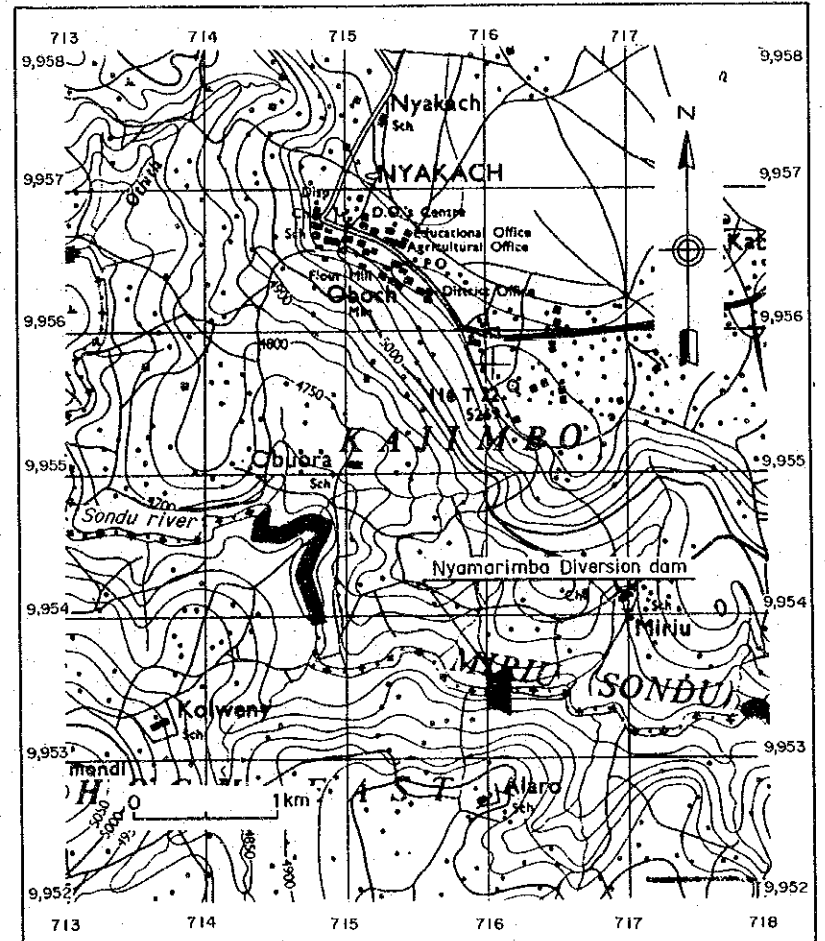
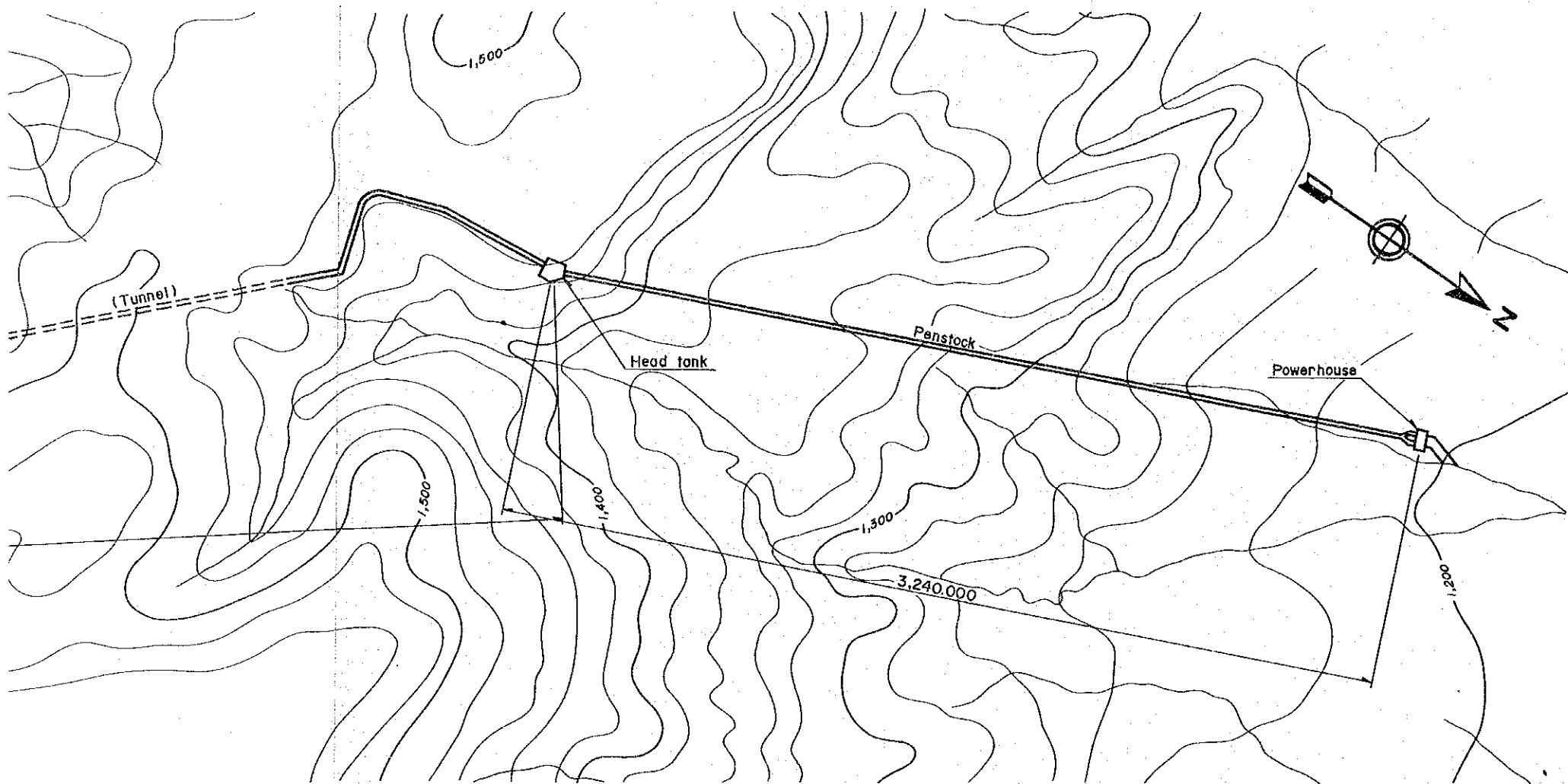


Zone	Material
①	Impervious core
②	Filter
③	Random material
④	Rock
⑤	Riprap



TYPICAL SECTION OF NYAMARIMBA DIVERSION DAM

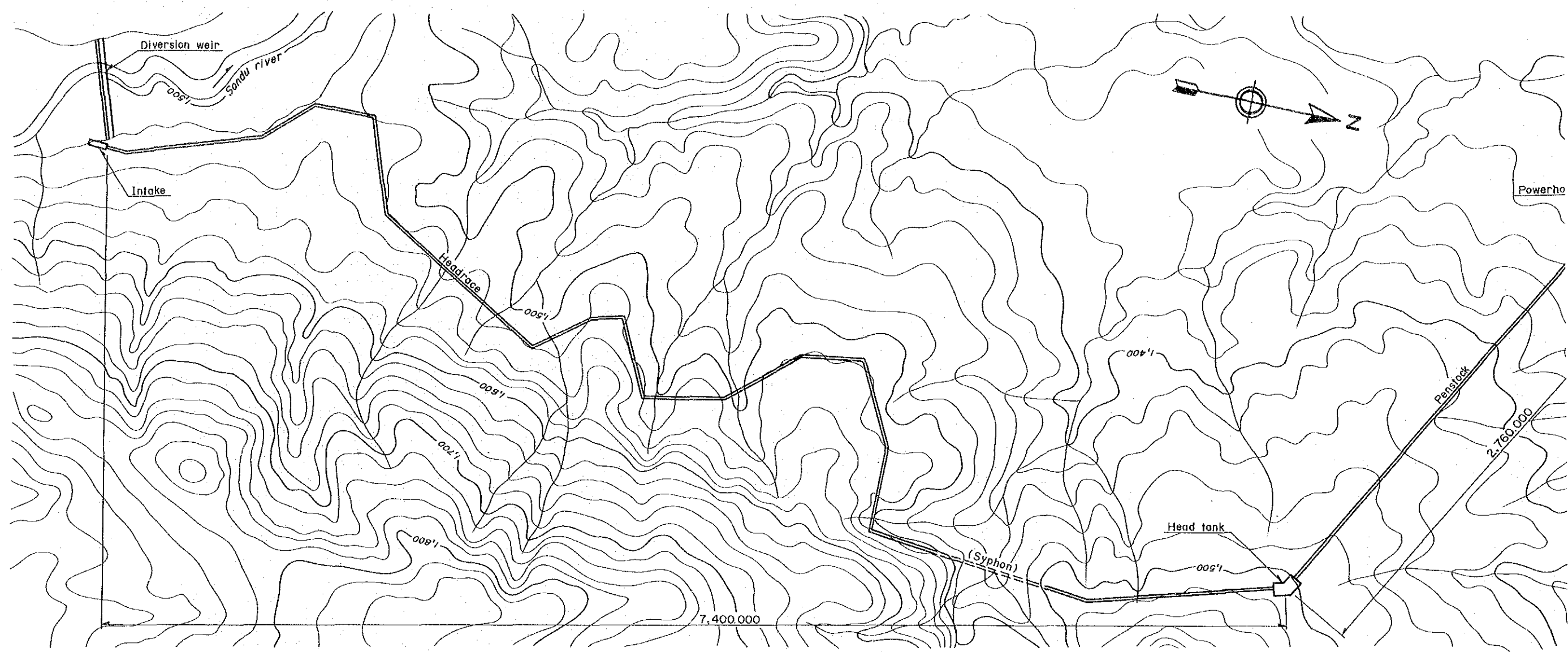
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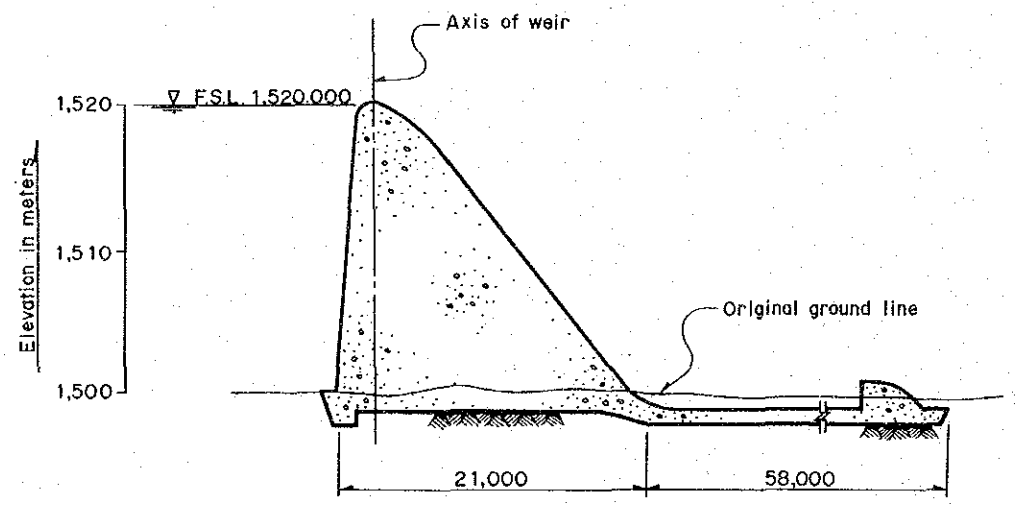
KEY MAP

PROFILE

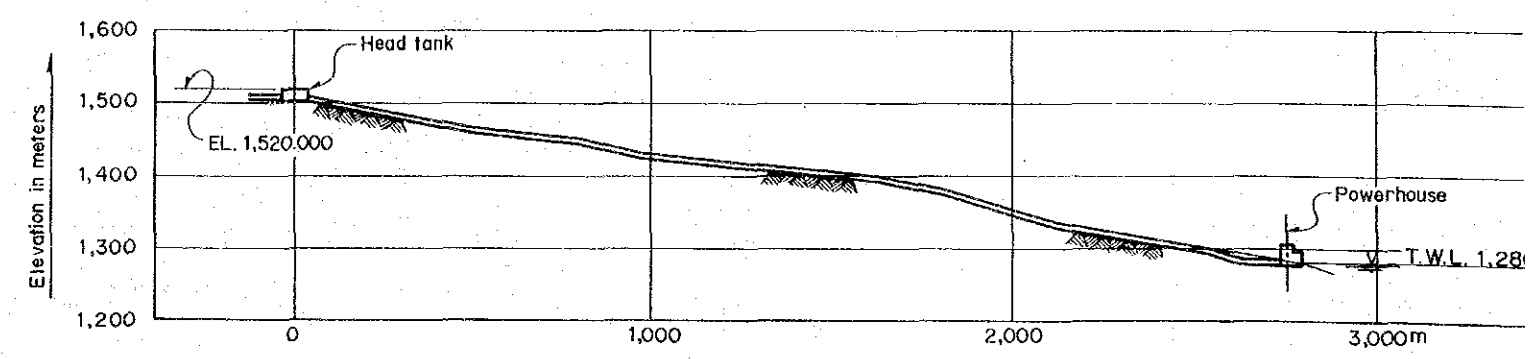
Figure 6.3 Nyamarimba Run-of-river Plan



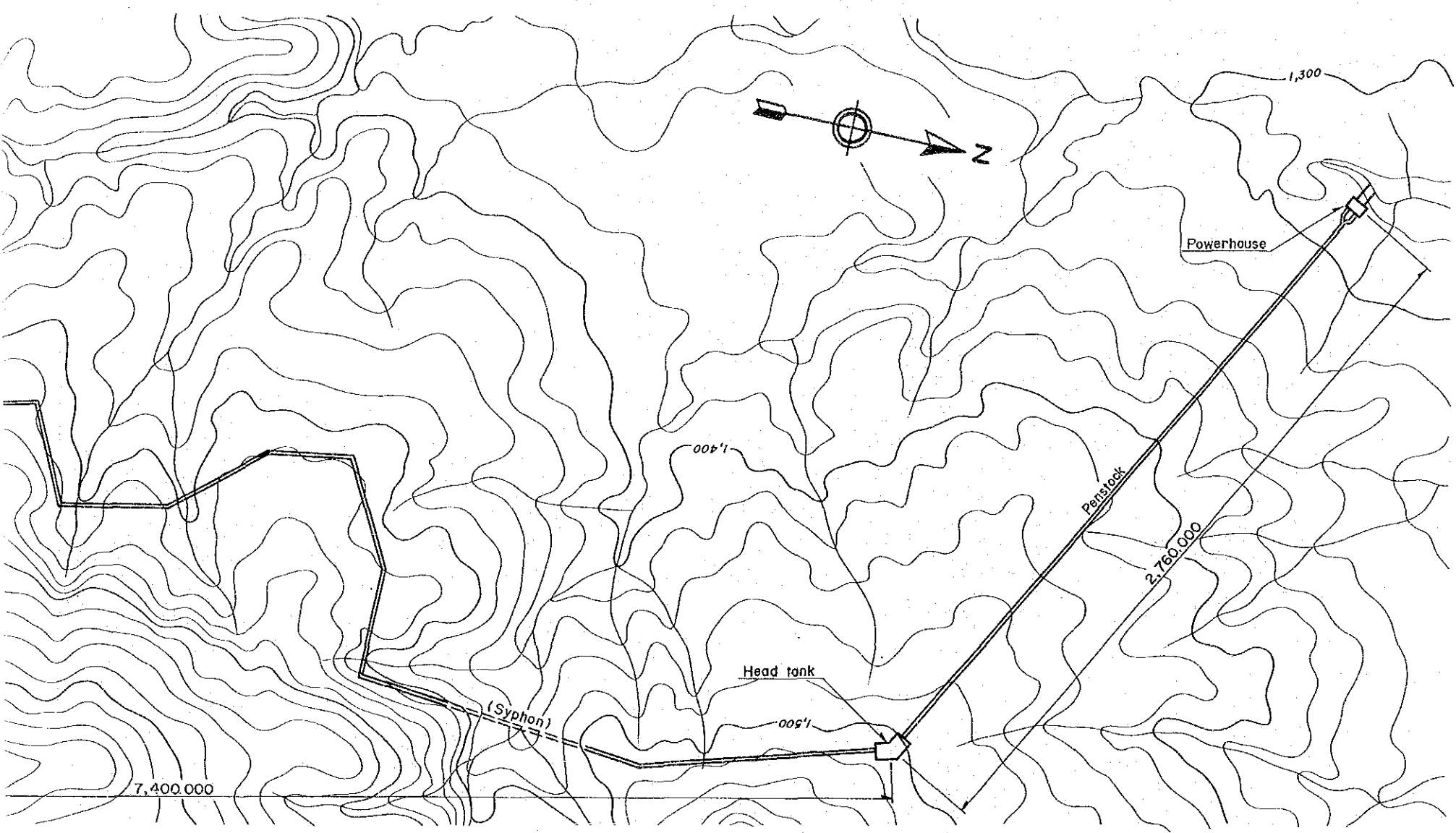
PLAN



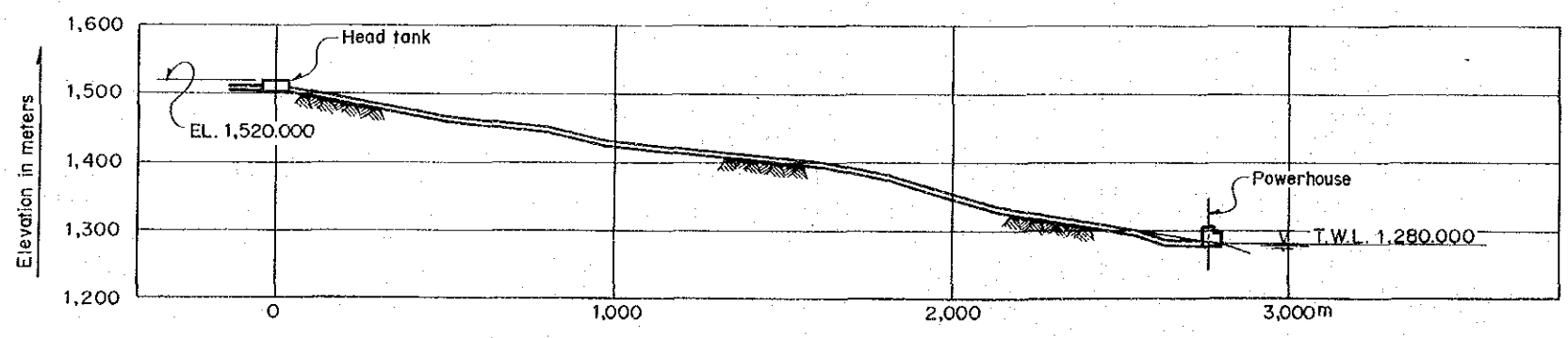
DIVERSION WEIR



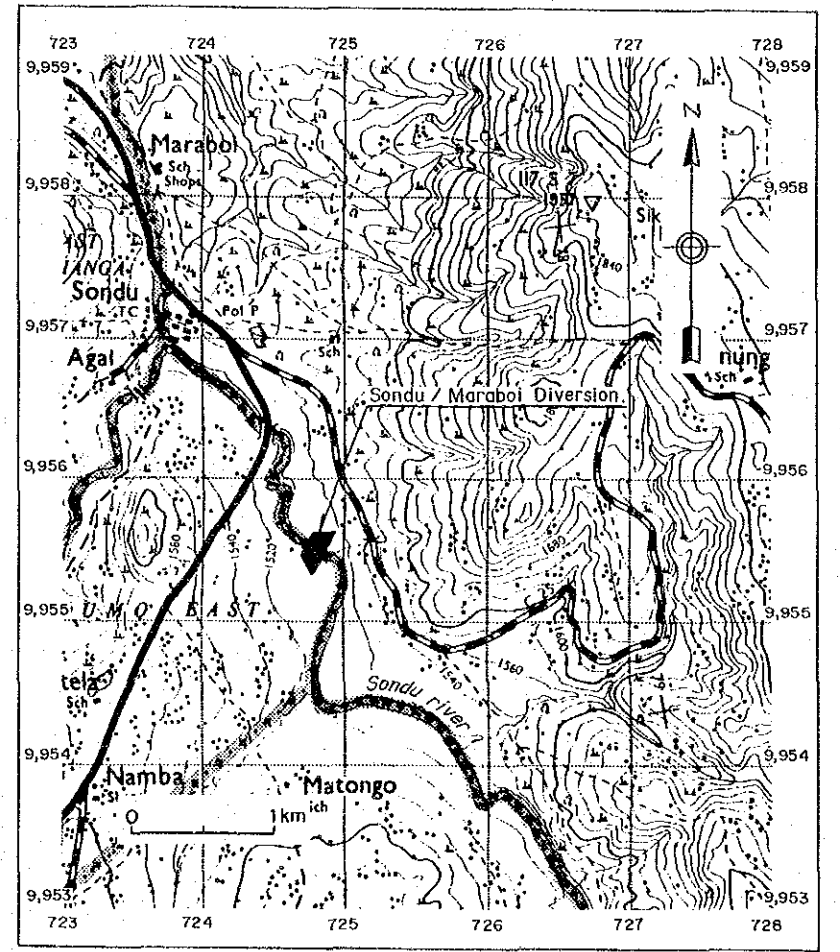
PROFILE



PLAN

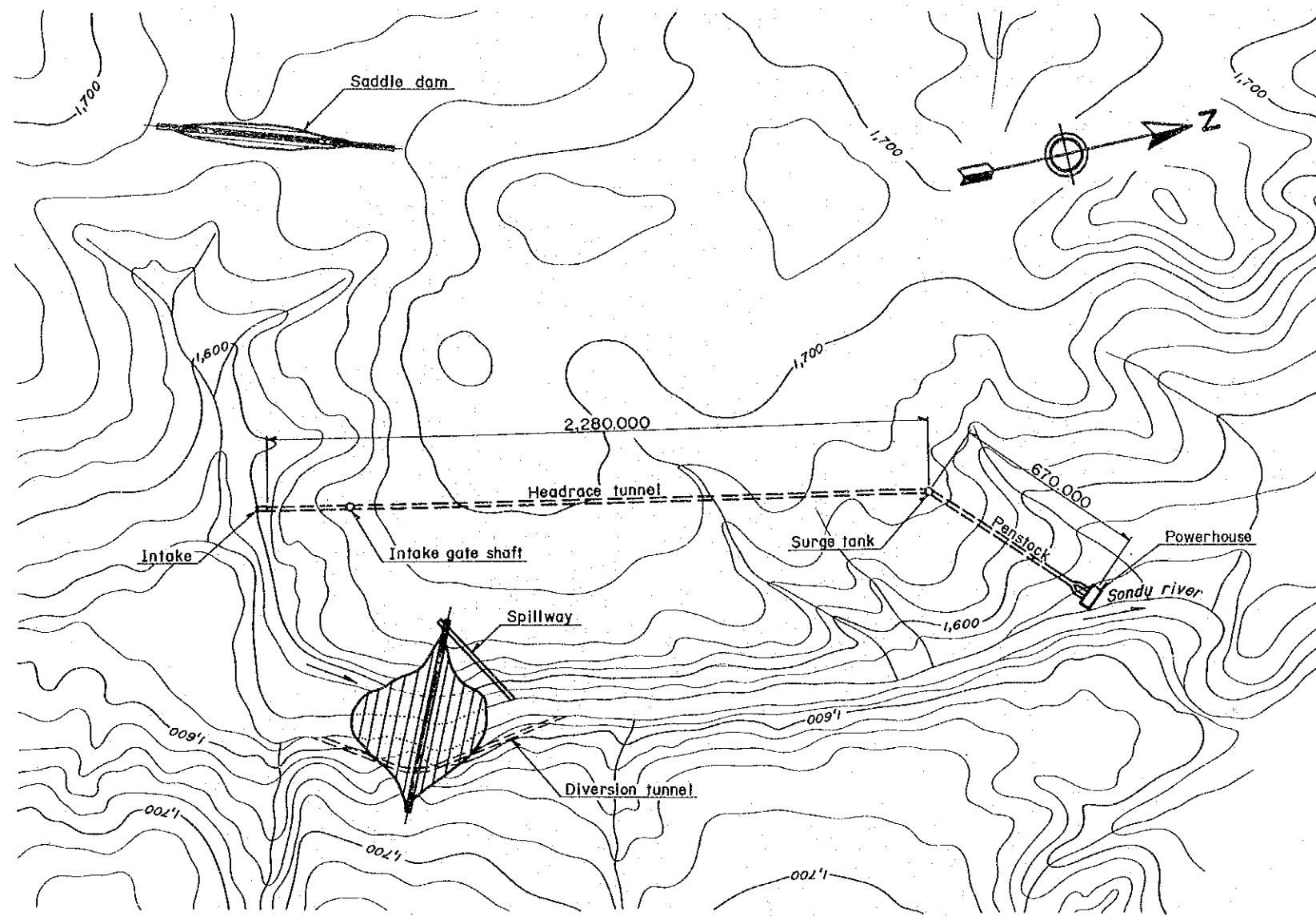


PROFILE

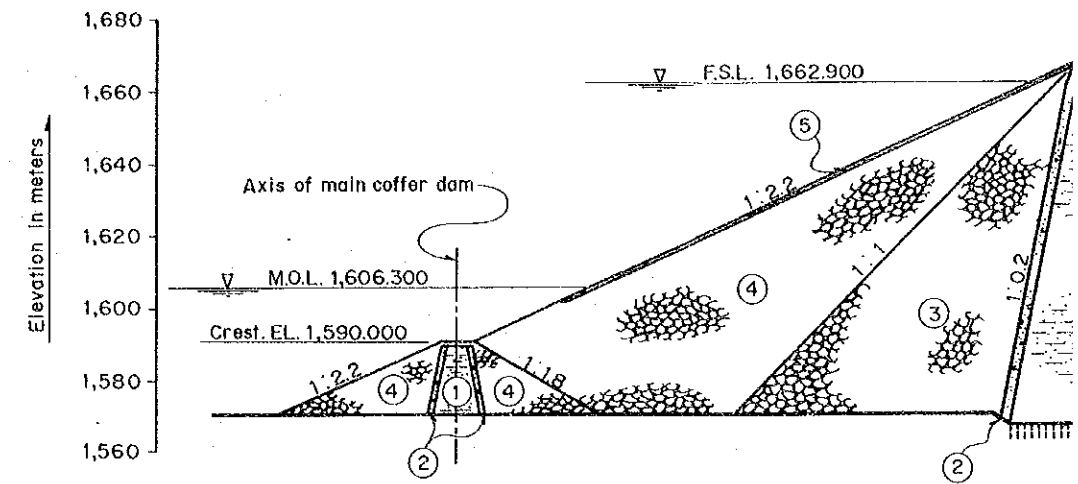


KEY MAP

Figure 6.4 Sondu/Maraboi Run-of-river Plan

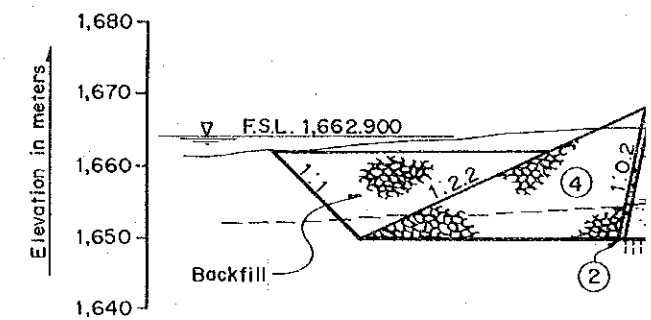


PLAN

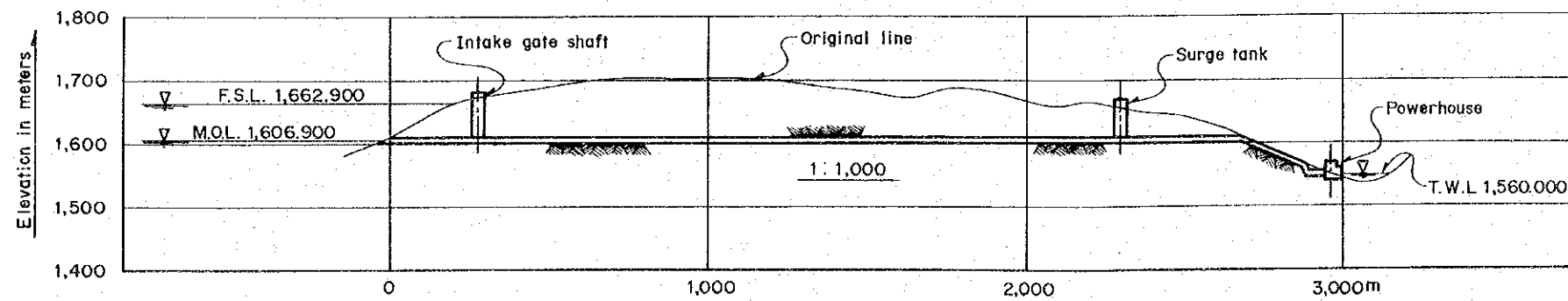


TYPICAL SECTION OF M

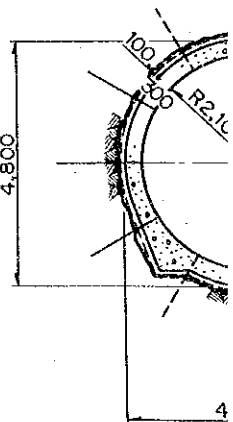
Zone	Material
①	Impervious core
②	Filter
③	Random material
④	Rock
⑤	Riirap



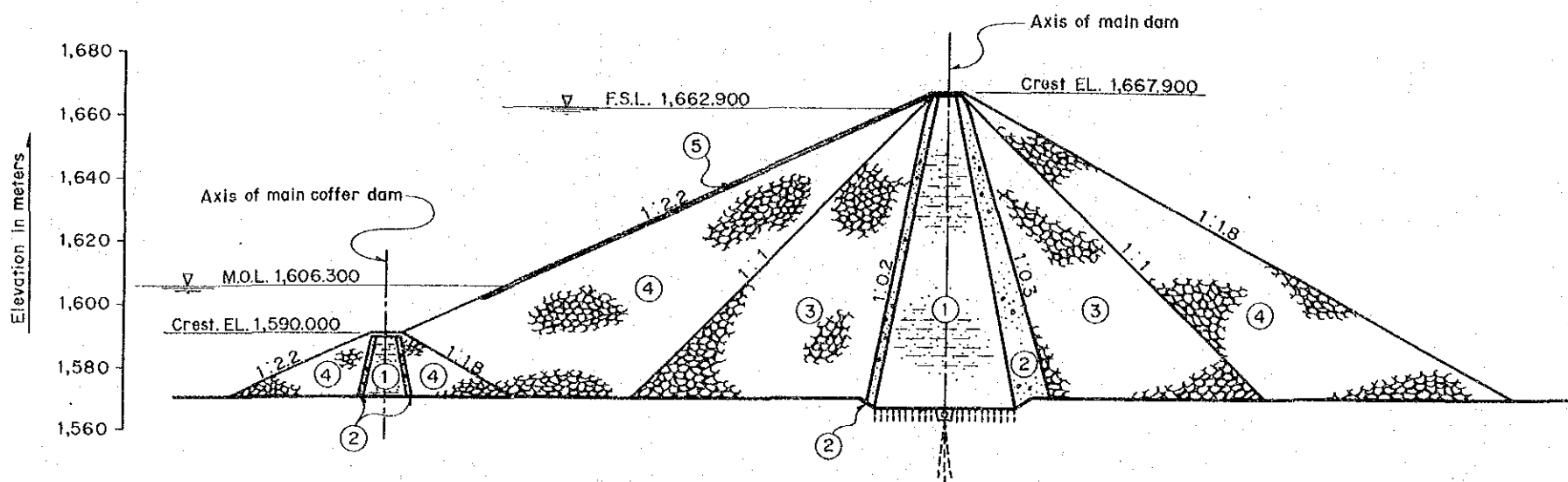
TYPICAL SECTION



PROFILE

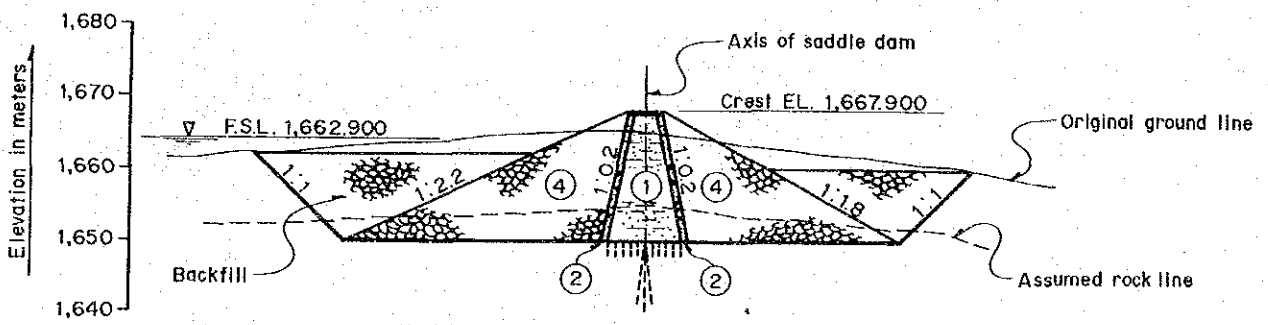


TYPE I
TYPICAL
HEADR

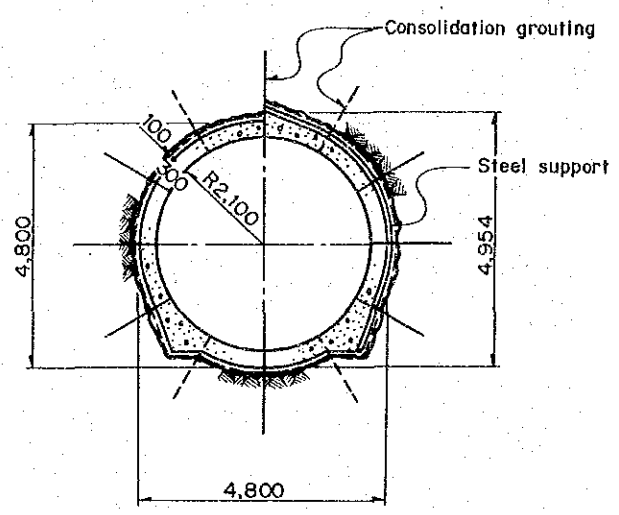


TYPICAL SECTION OF MAGWAGWA DAM

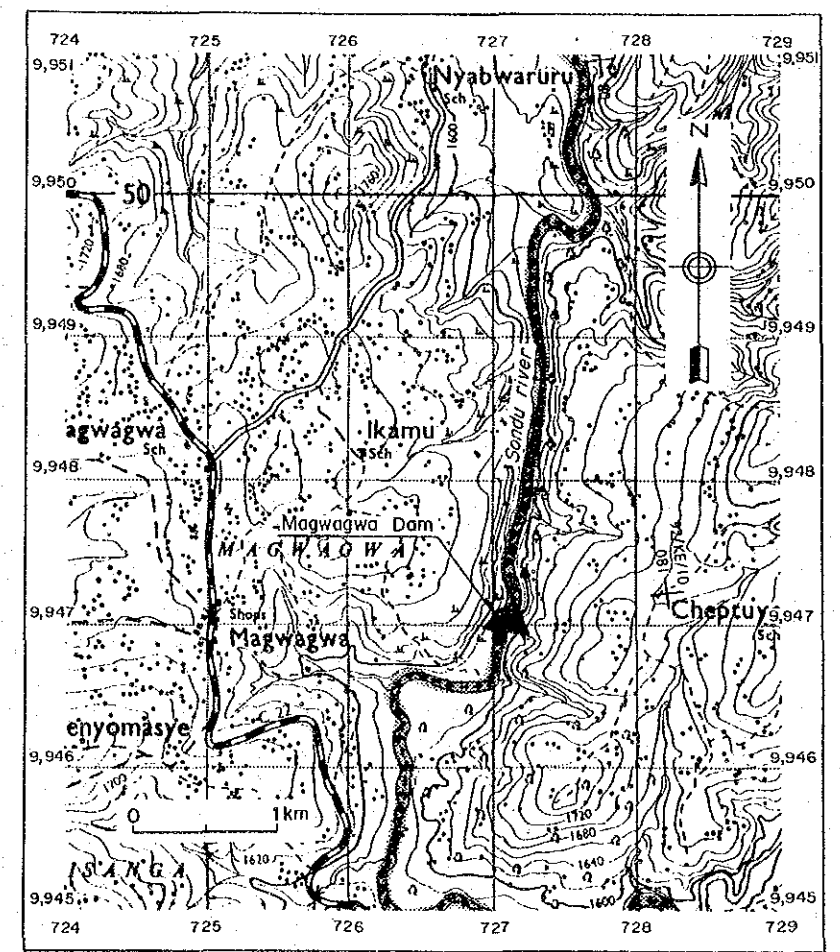
Zone	Material
①	Impervious core
②	Filter
③	Random material
④	Rock
⑤	Riprap



TYPICAL SECTION OF SADDLE DAM

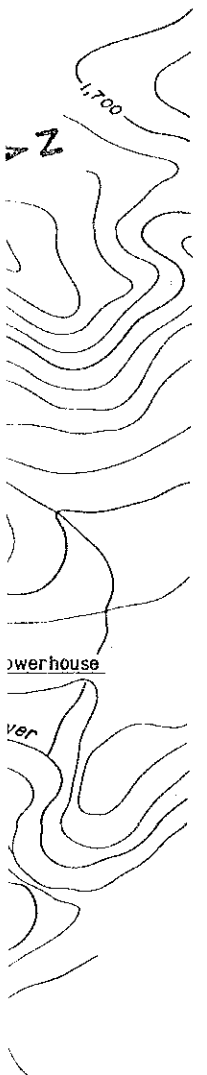


TYPICAL SECTION OF HEADRACE TUNNEL

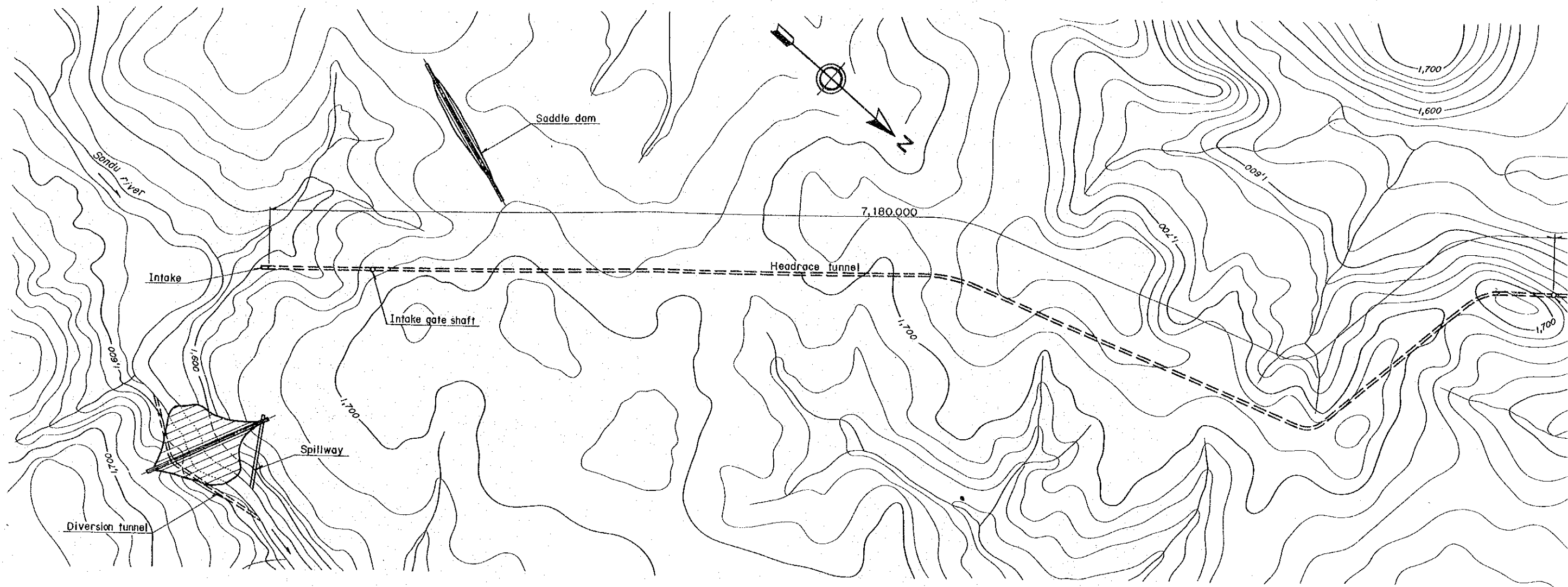


KEY MAP

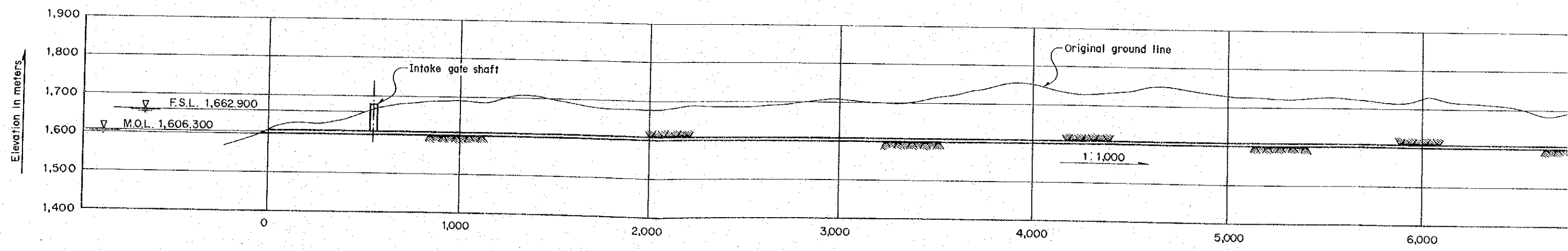
Figure 6.5 Magwagwa Reservoir Plan



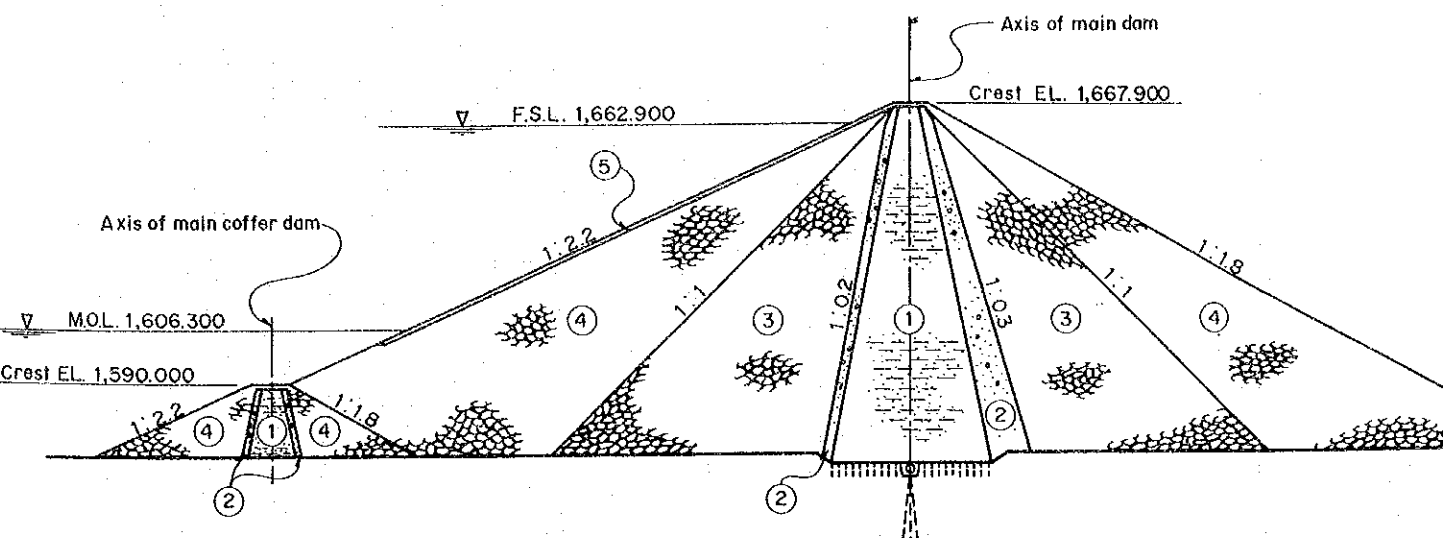
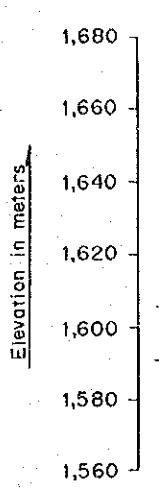
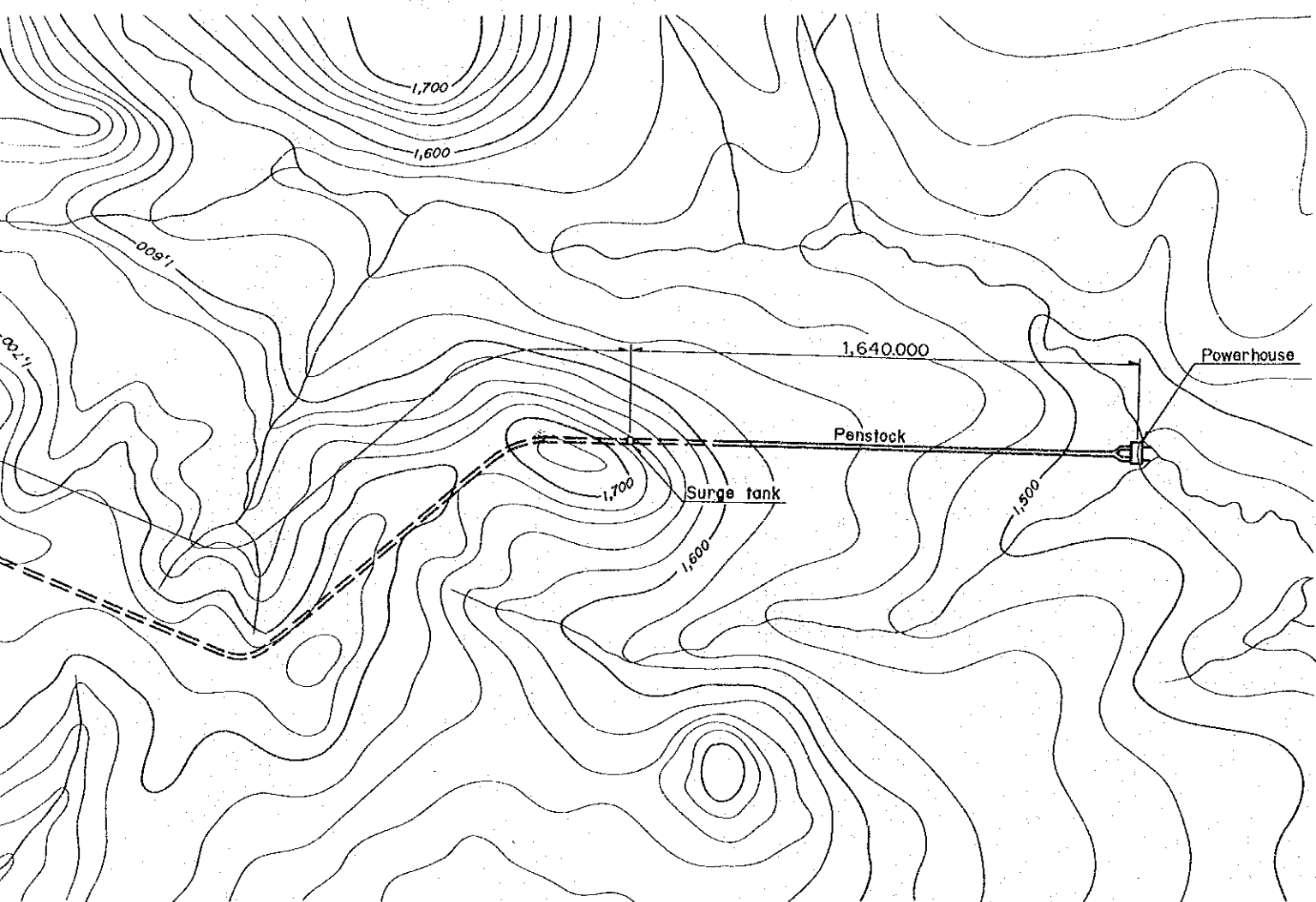
werhouse
T.W.L 1,560.000



PLAN

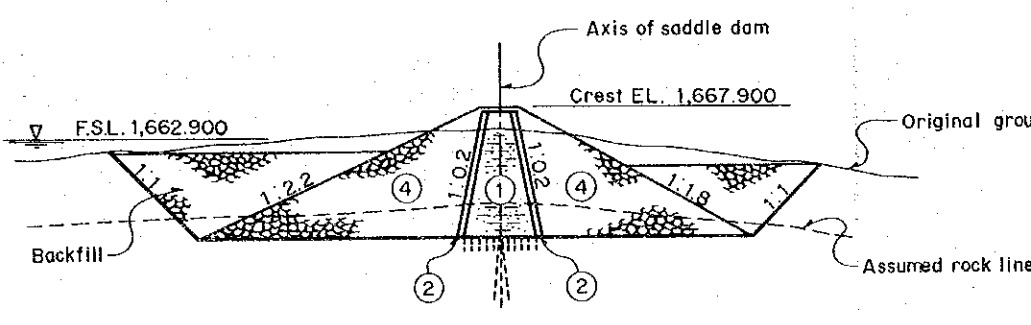
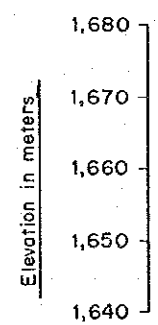


PROFILE

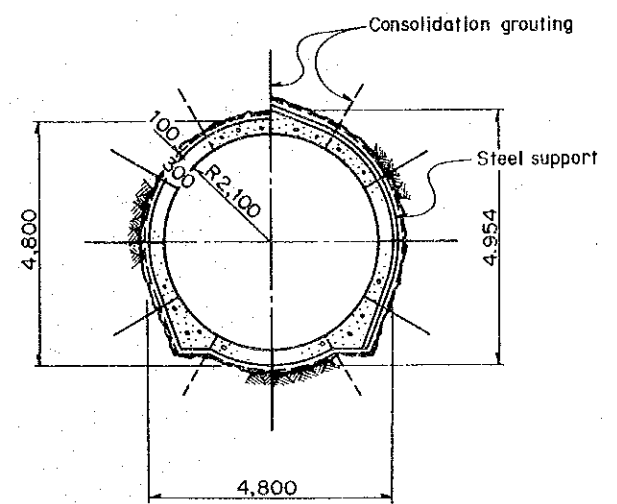
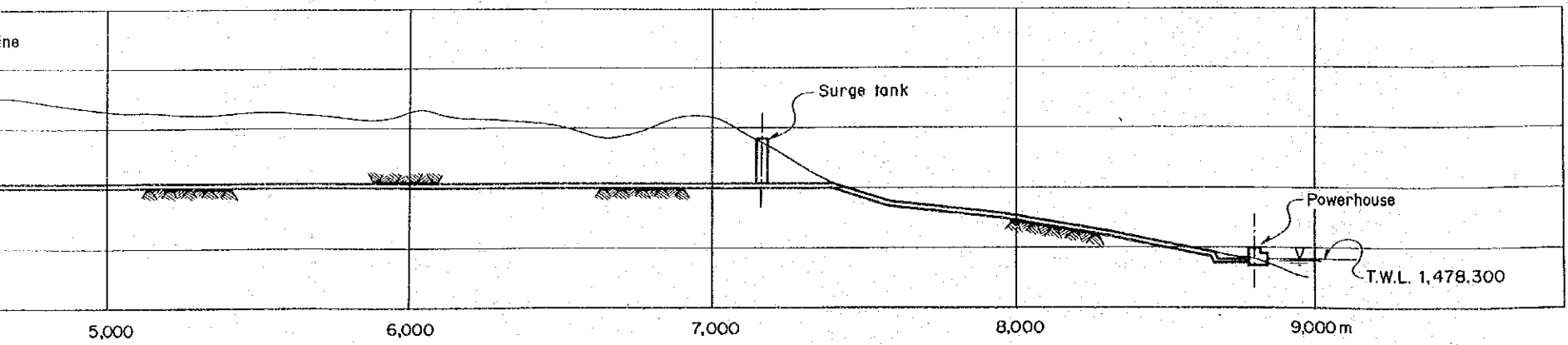


TYPICAL SECTION OF MAGWAGWA DAM

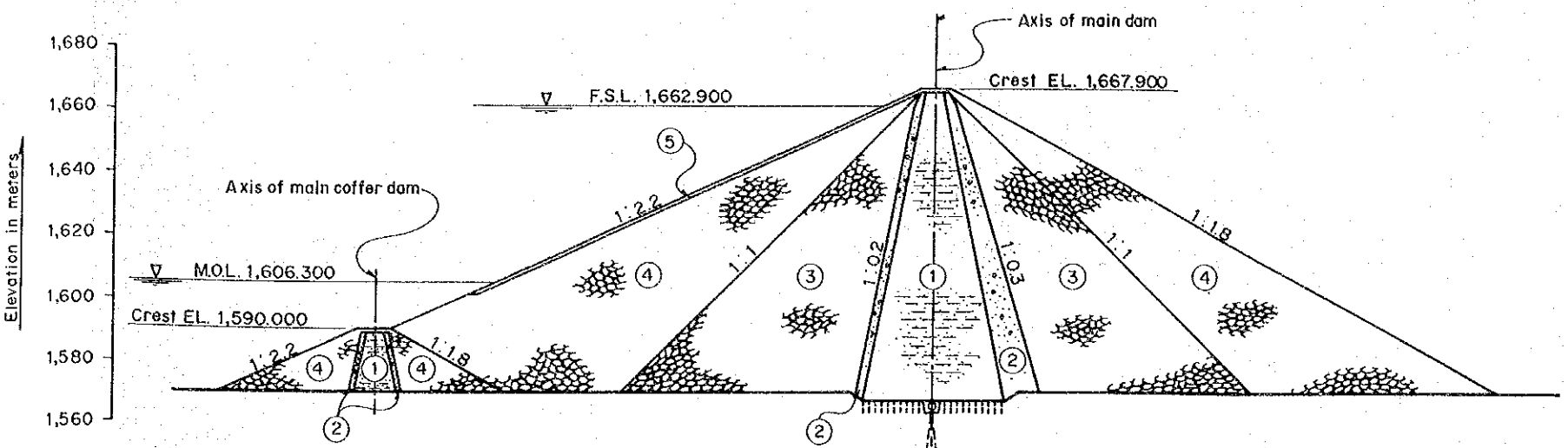
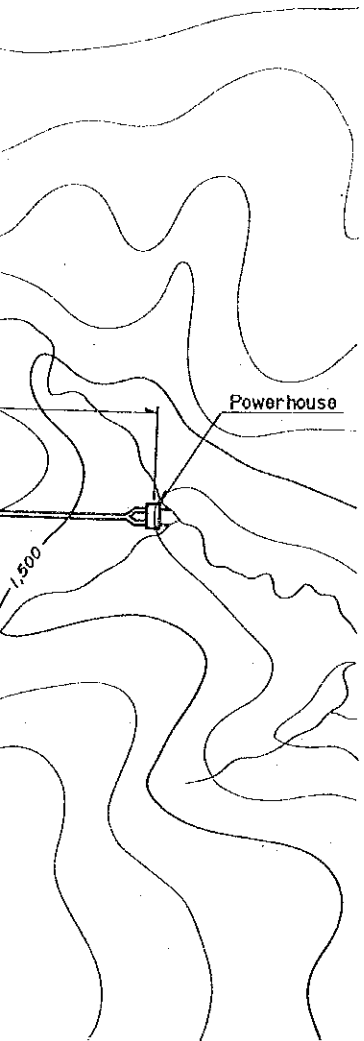
Zone	Material
①	Impervious core
②	Filter
③	Random material
④	Rock
⑤	Riprap



TYPICAL SECTION OF SADDLE DAM



TYPICAL SECTION OF HEADRACE TUNNEL



Zone	Material
①	Impervious core
②	Filter
③	Random material
④	Rock
⑤	Riprap

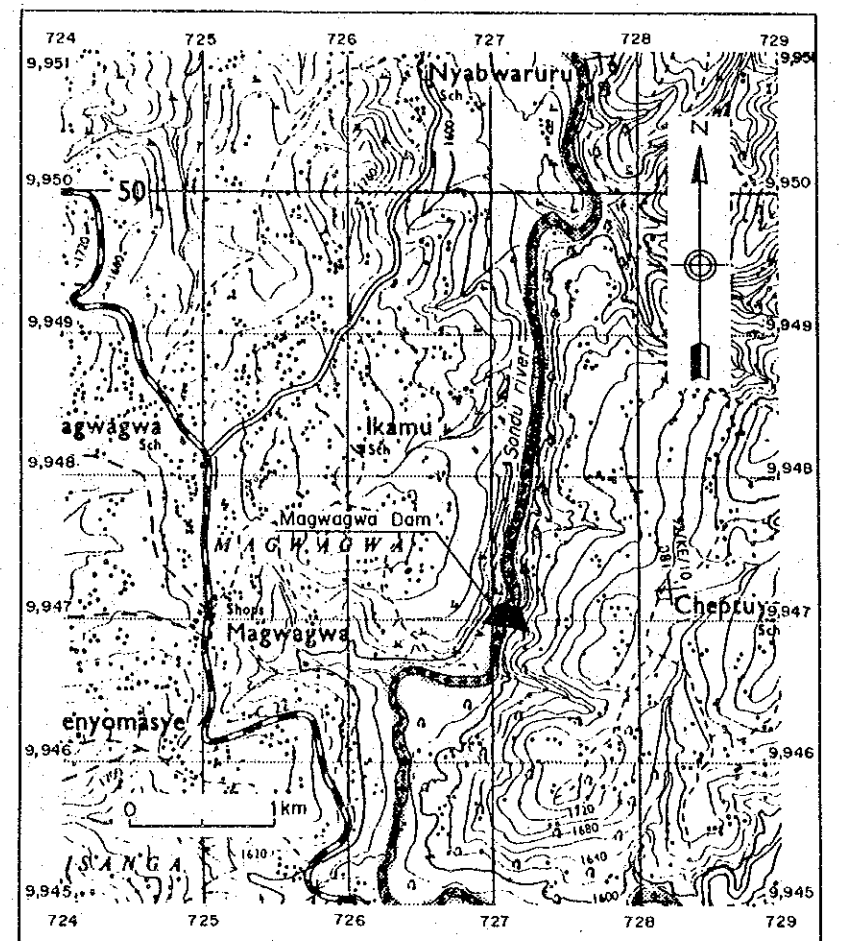
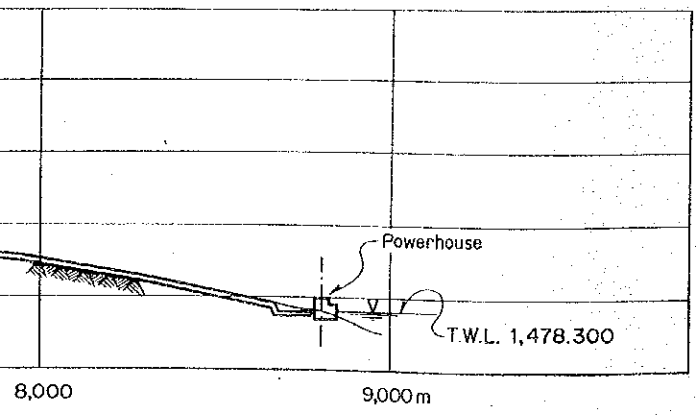
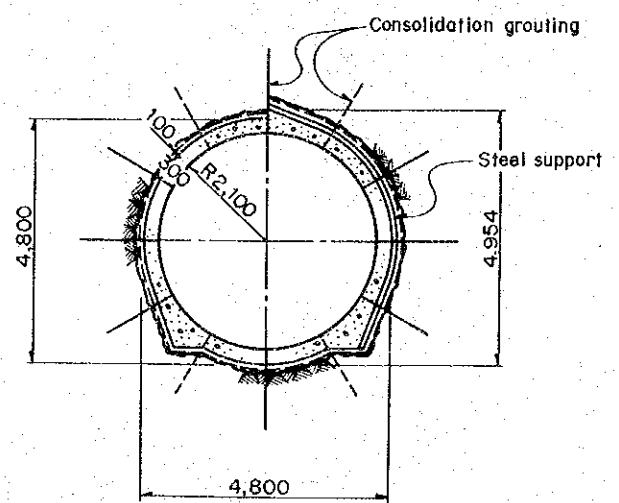
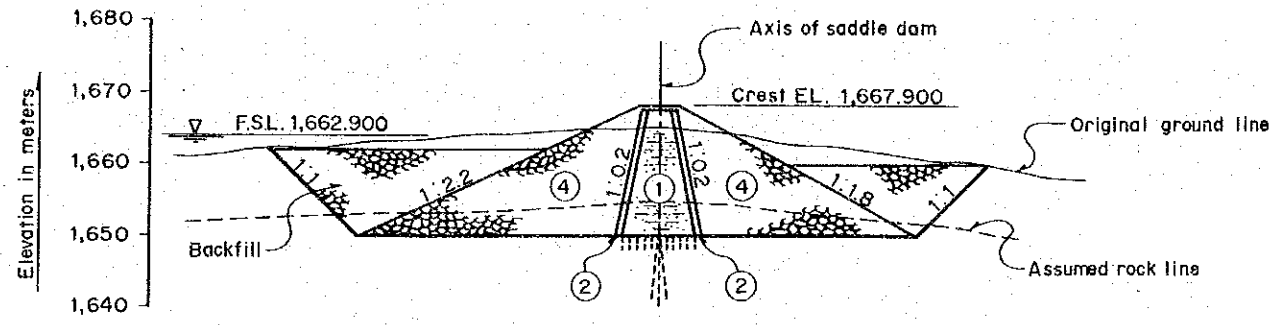
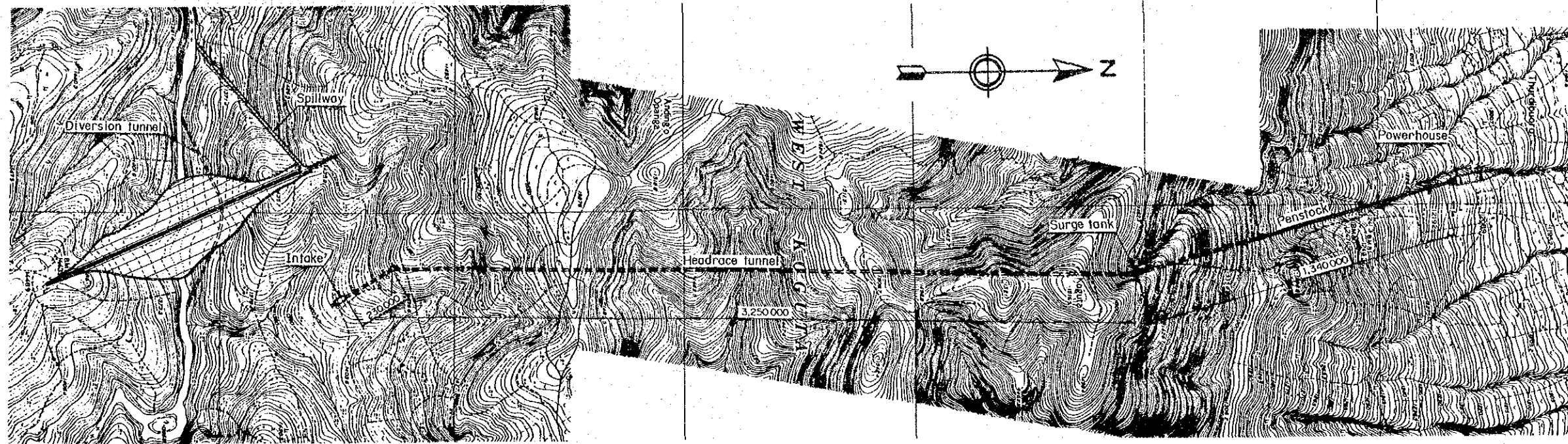
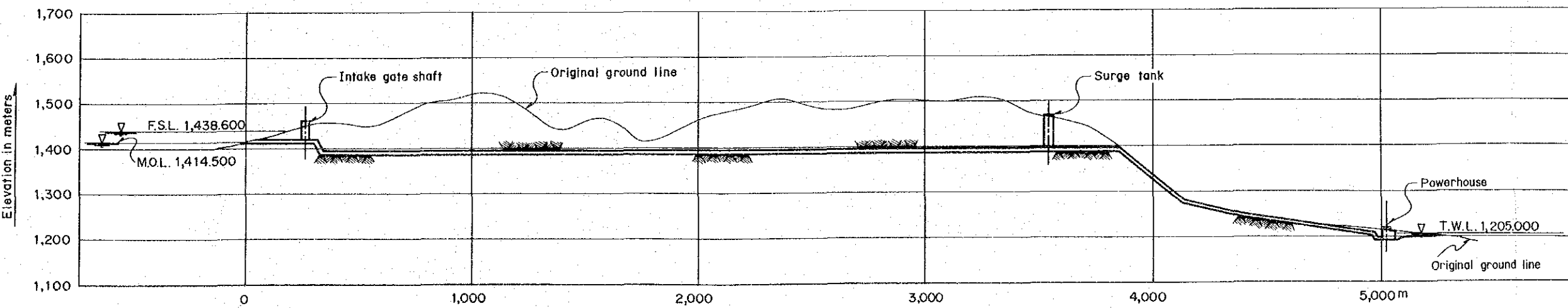


Figure 6.6 Magwagwa Reservoir plus Waterway Plan

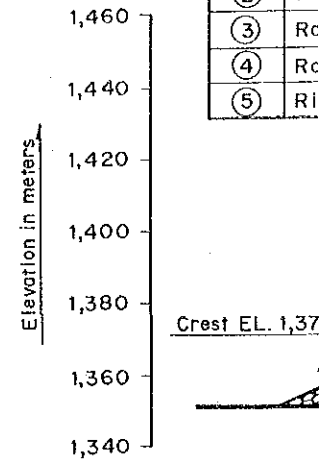


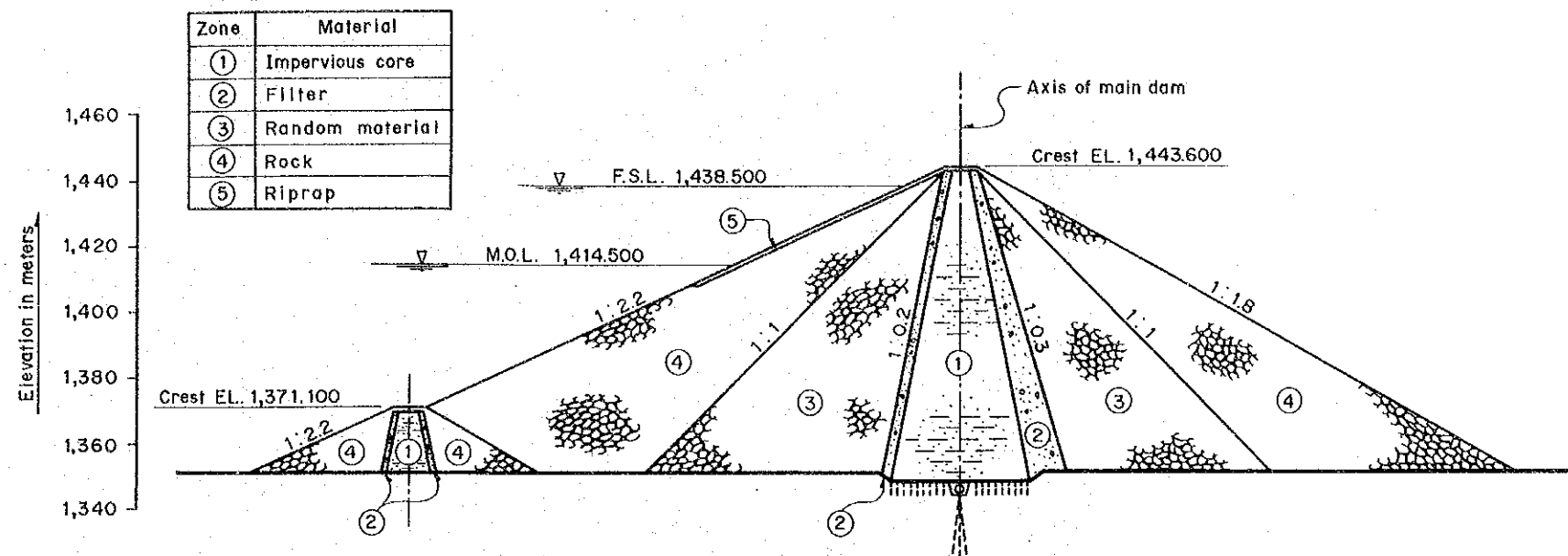
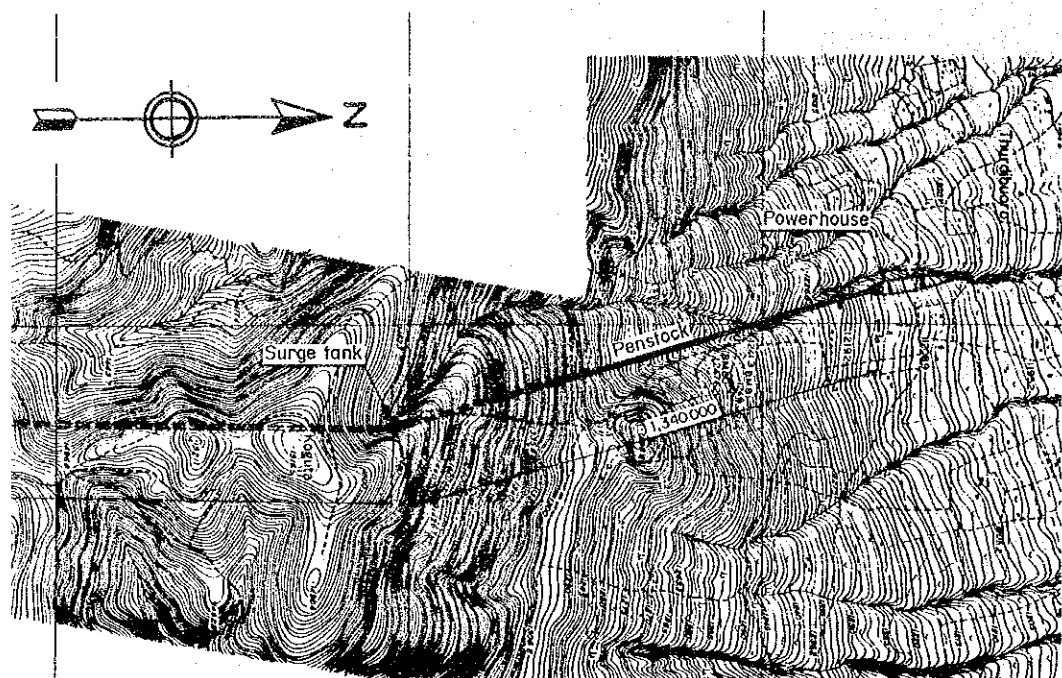
PLAN



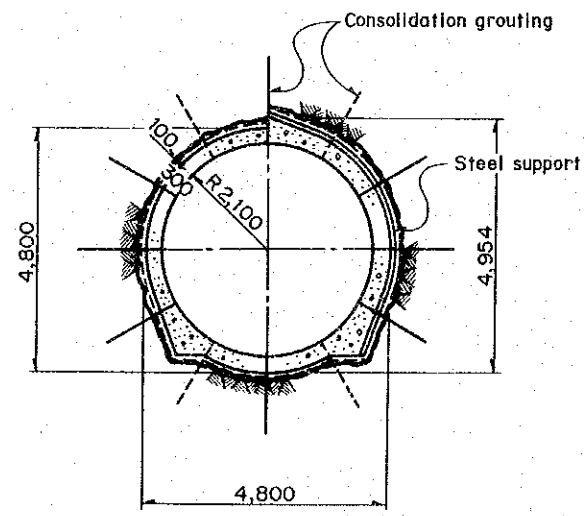
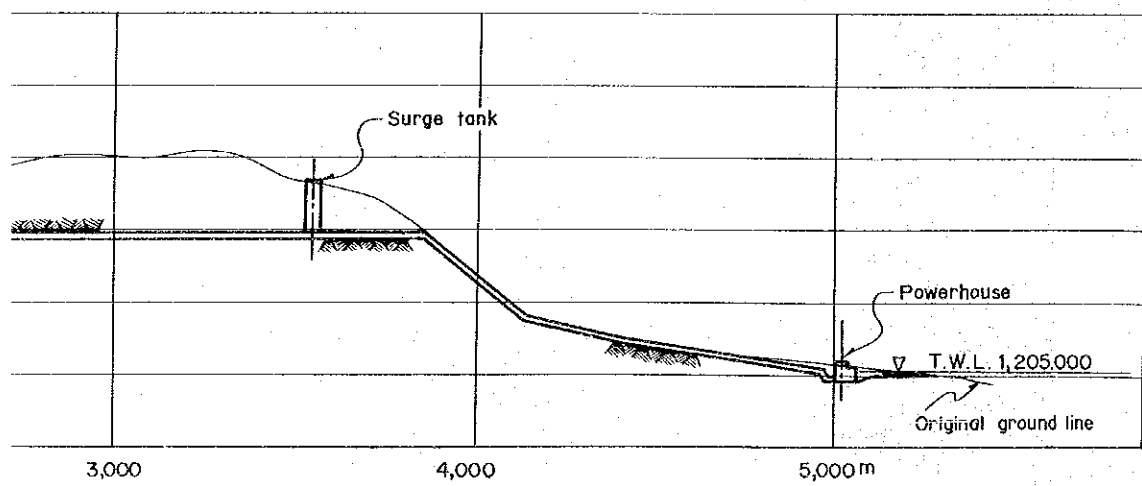
PROFILE

Zone	
①	Irr
②	Fl
③	Rc
④	Rc
⑤	Ri

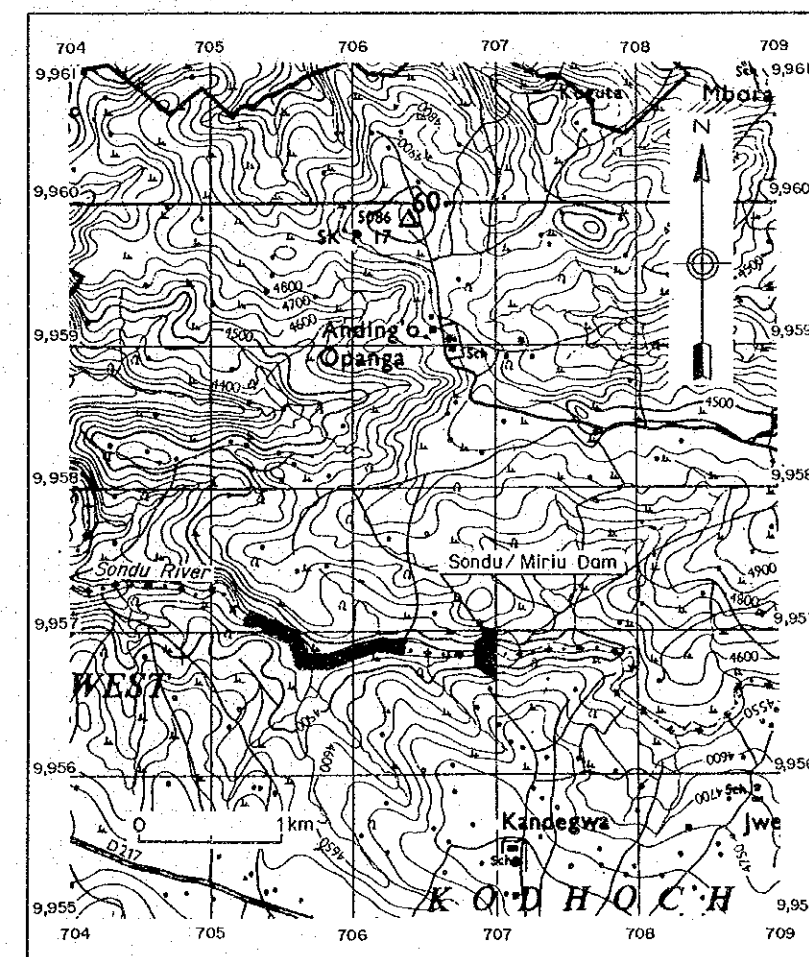




TYPICAL SECTION OF SONDU / MIRIU DAM



TYPICAL SECTION OF HEADRACE TUNNEL



KEY MAP

Figure 6.7
Sondu/Miriu
Reservoir Plan

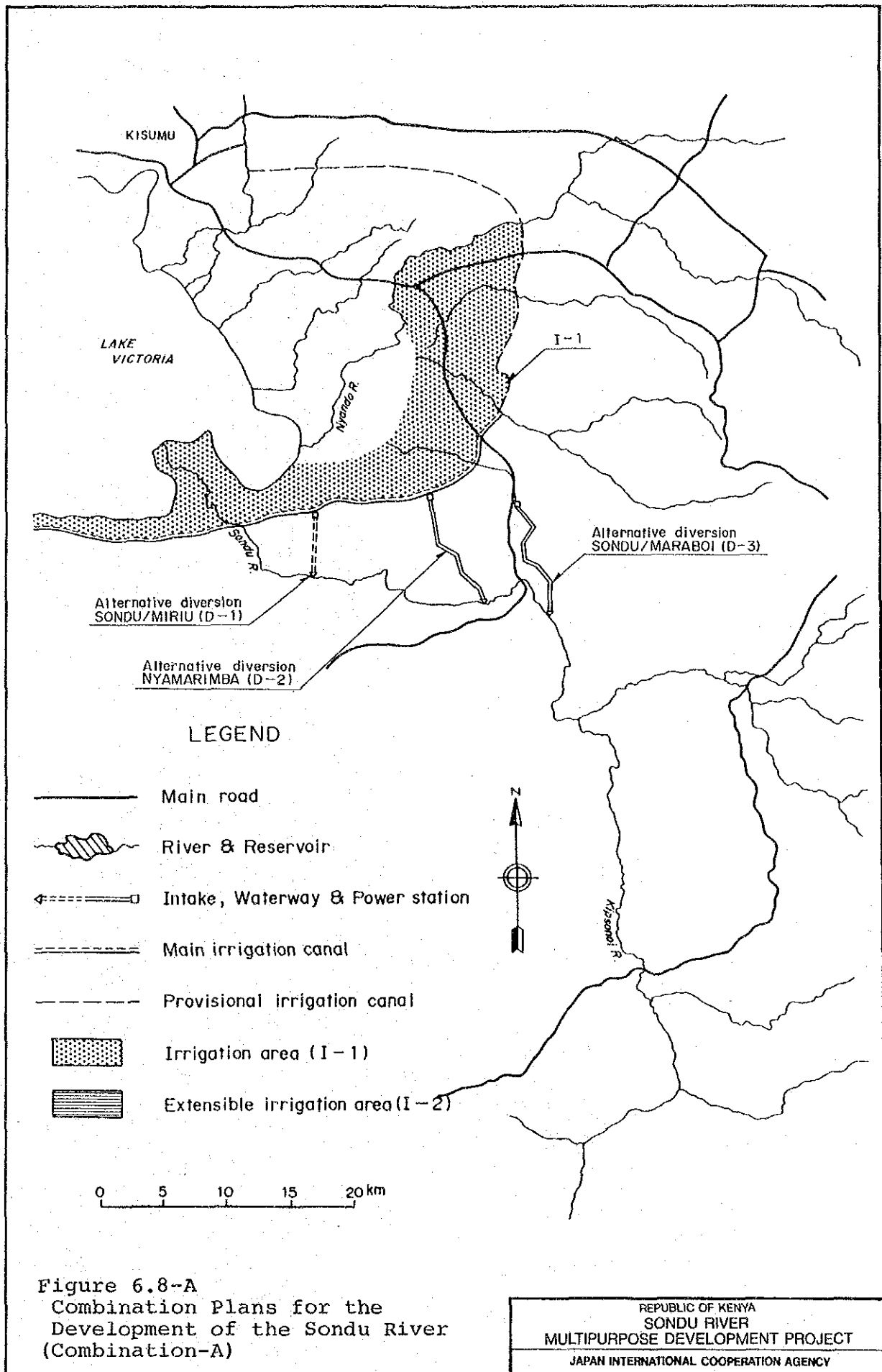


Figure 6.8-A
 Combination Plans for the
 Development of the Sondu River
 (Combination-A)

REPUBLIC OF KENYA
 SONDU RIVER
 MULTIPURPOSE DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

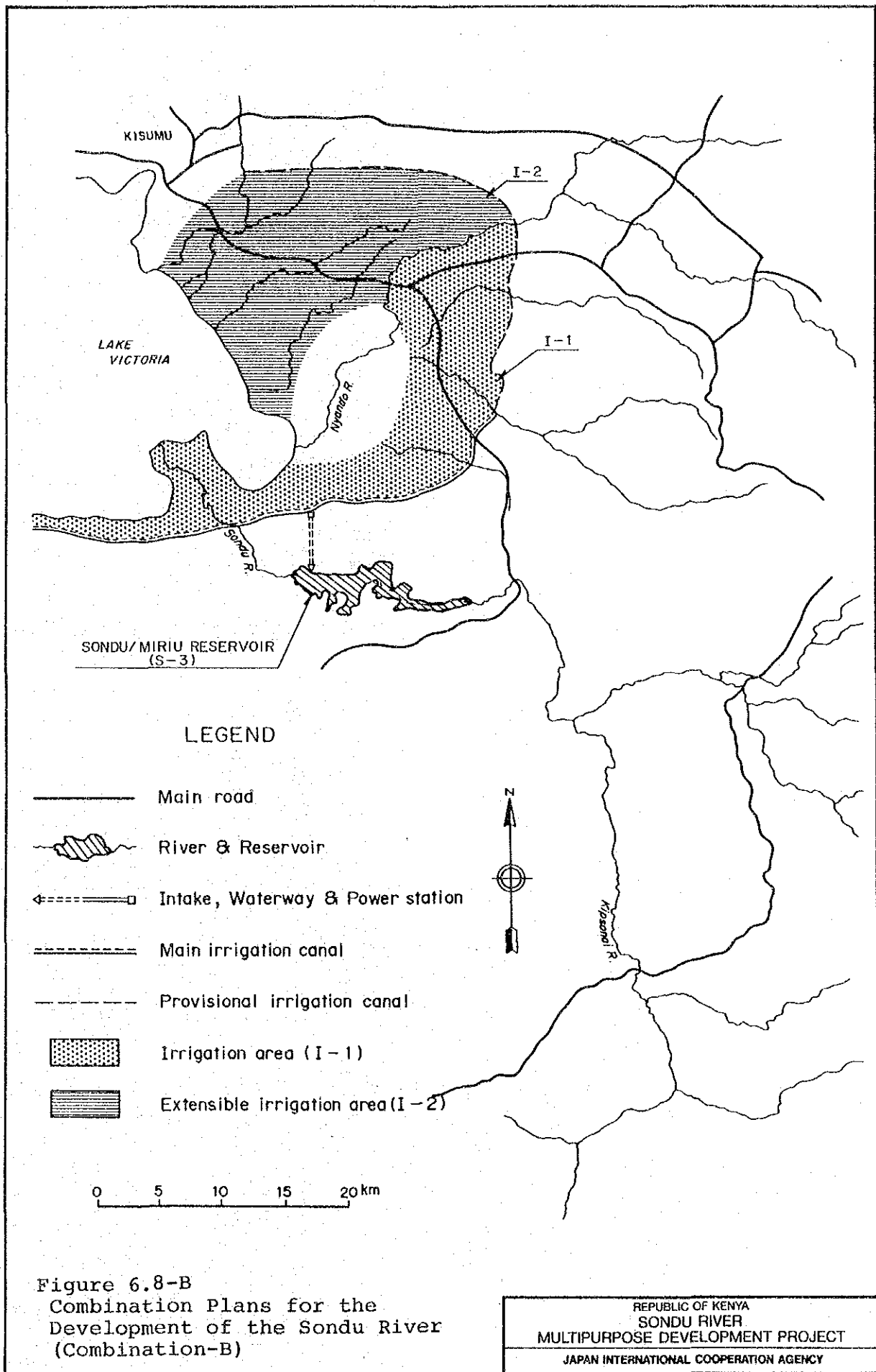


Figure 6.8-B
 Combination Plans for the
 Development of the Sondu River
 (Combination-B)

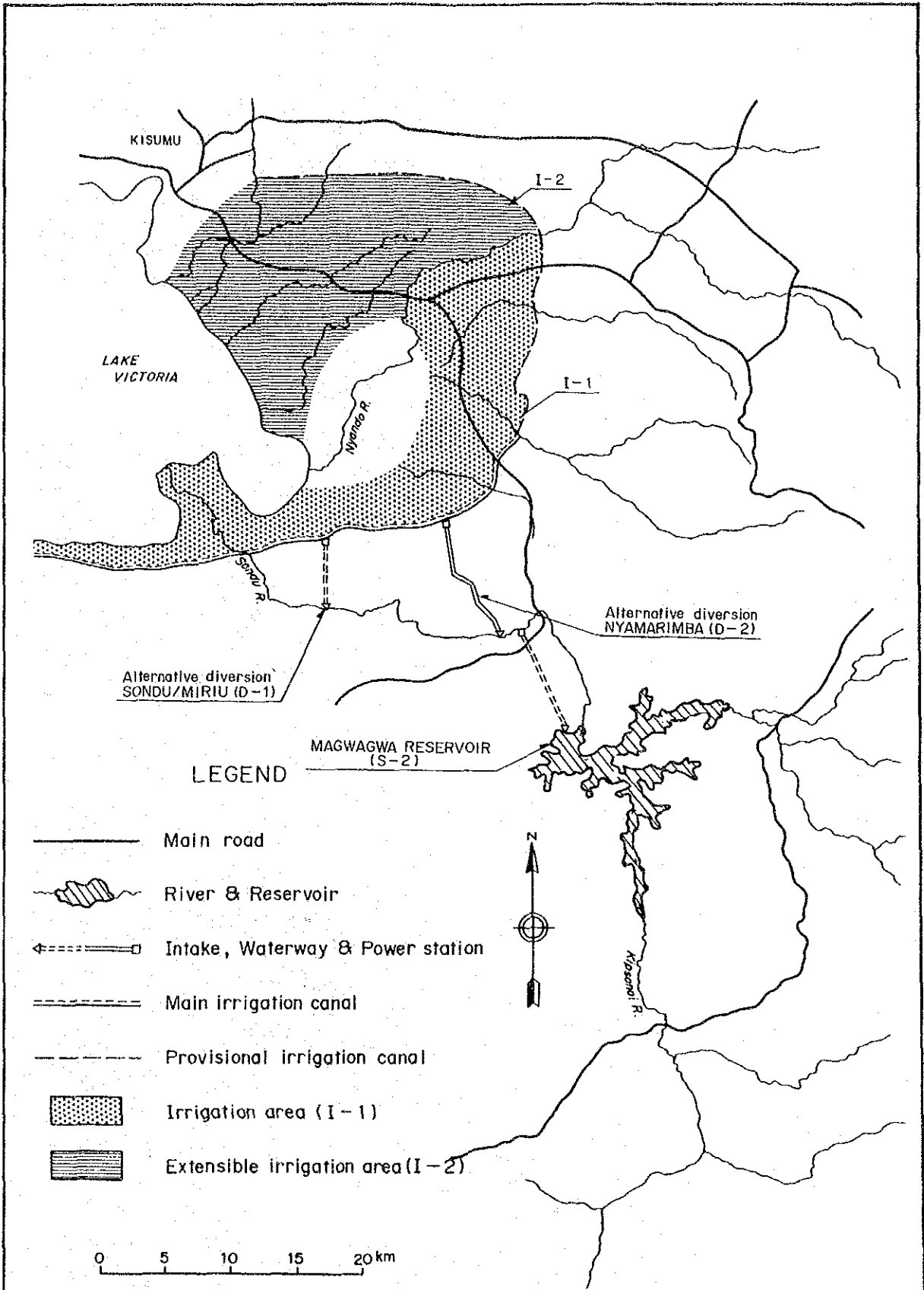


Figure 6.8-C
 Combination Plans for the
 Development of the Sondu River
 (Combination-C)

REPUBLIC OF KENYA
 SONDU RIVER
 MULTIPURPOSE DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

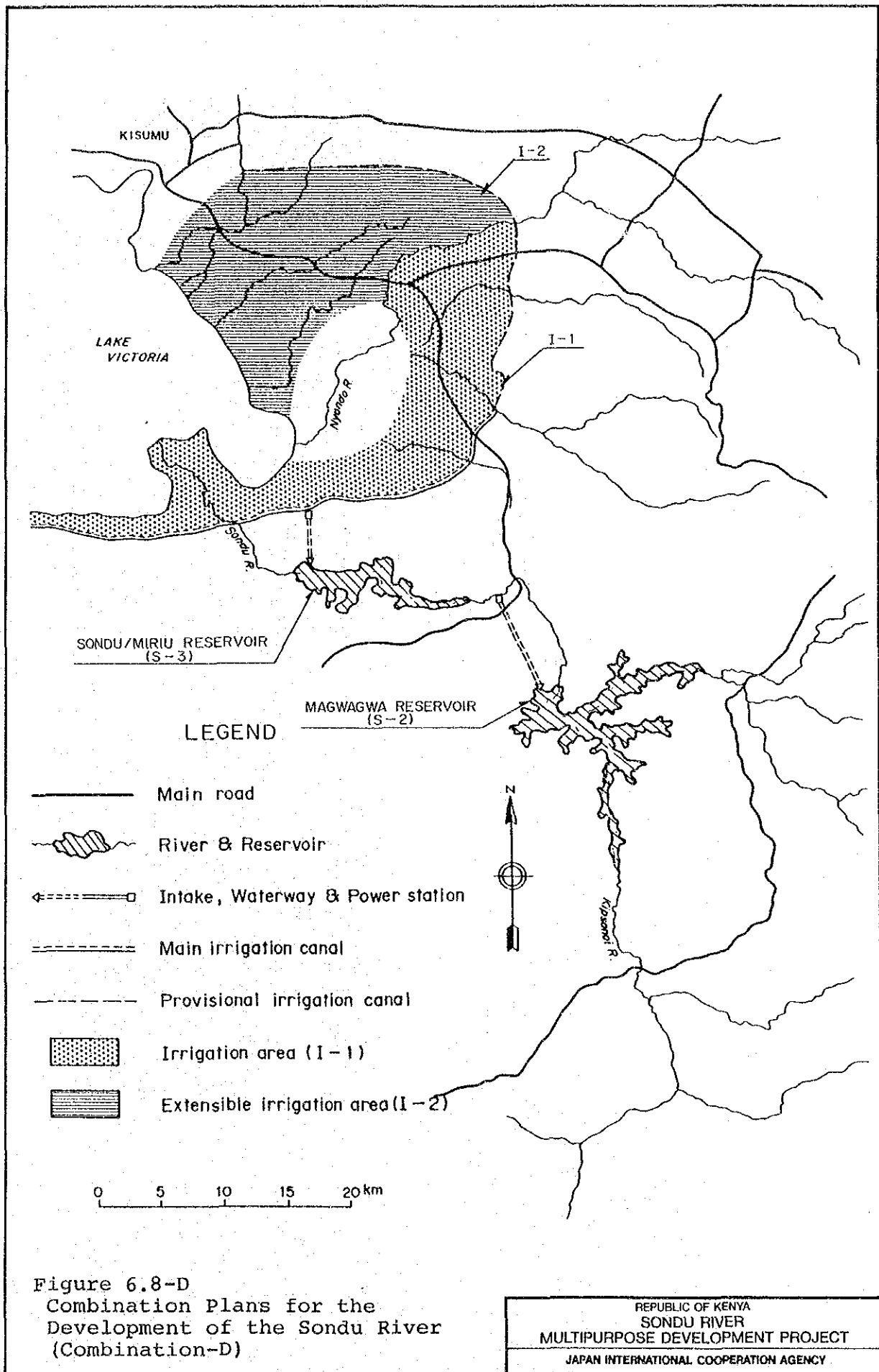


Figure 6.8-D
 Combination Plans for the
 Development of the Sondu River
 (Combination-D)

REPUBLIC OF KENYA
 SONDU RIVER
 MULTIPURPOSE DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

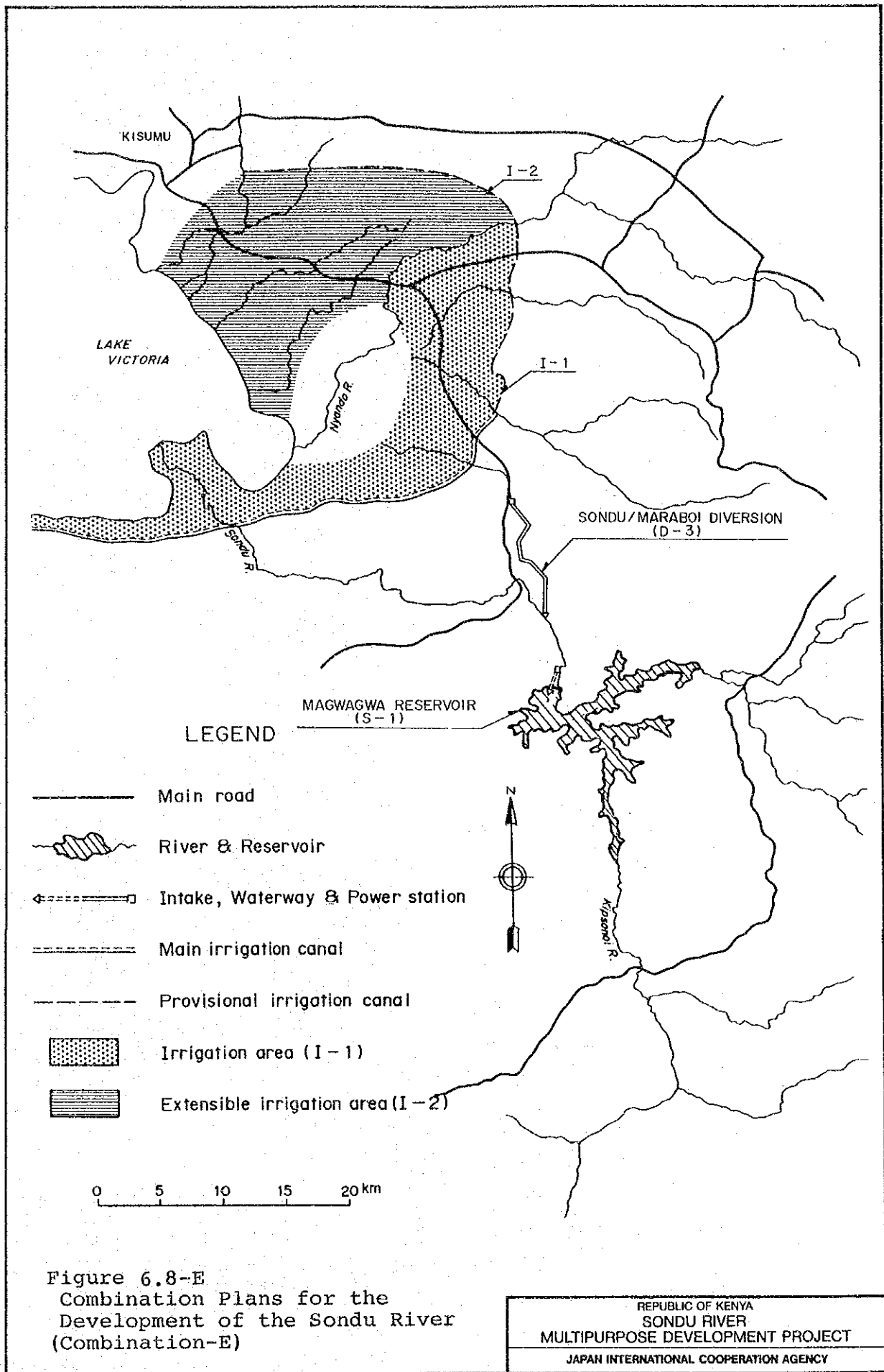


Figure 6.8-E
 Combination Plans for the
 Development of the Sondu River
 (Combination-E)

REPUBLIC OF KENYA
 SONDU RIVER
 MULTIPURPOSE DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

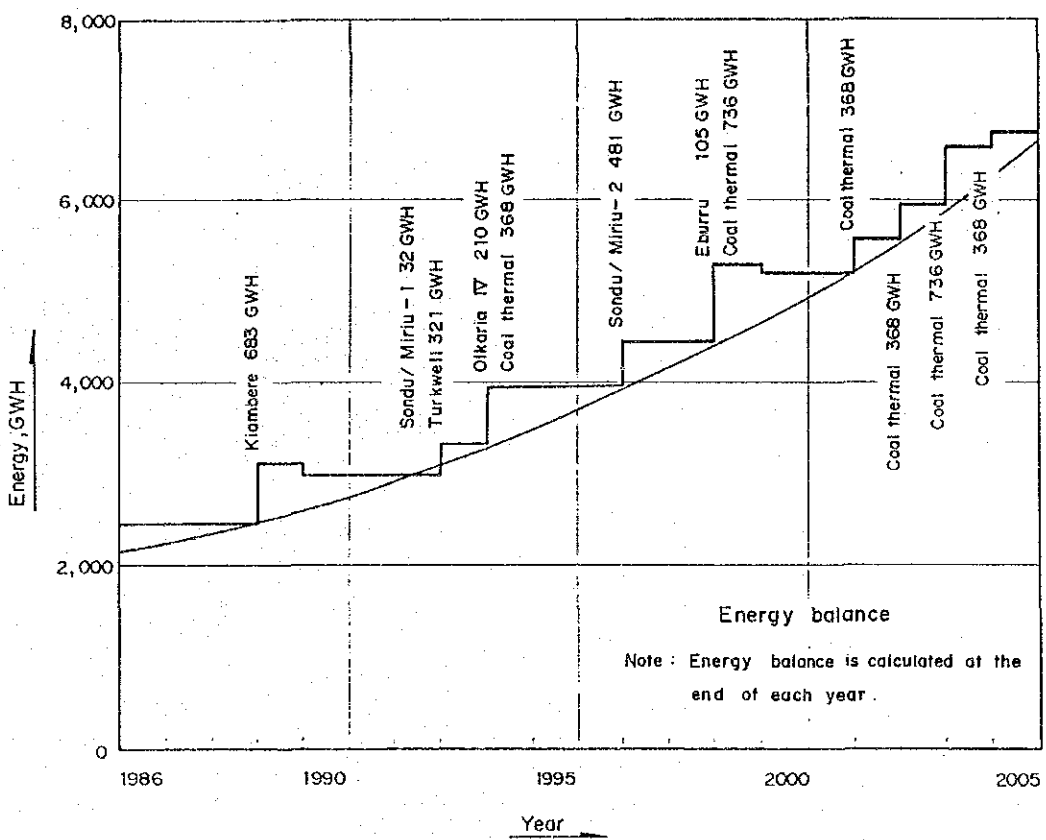
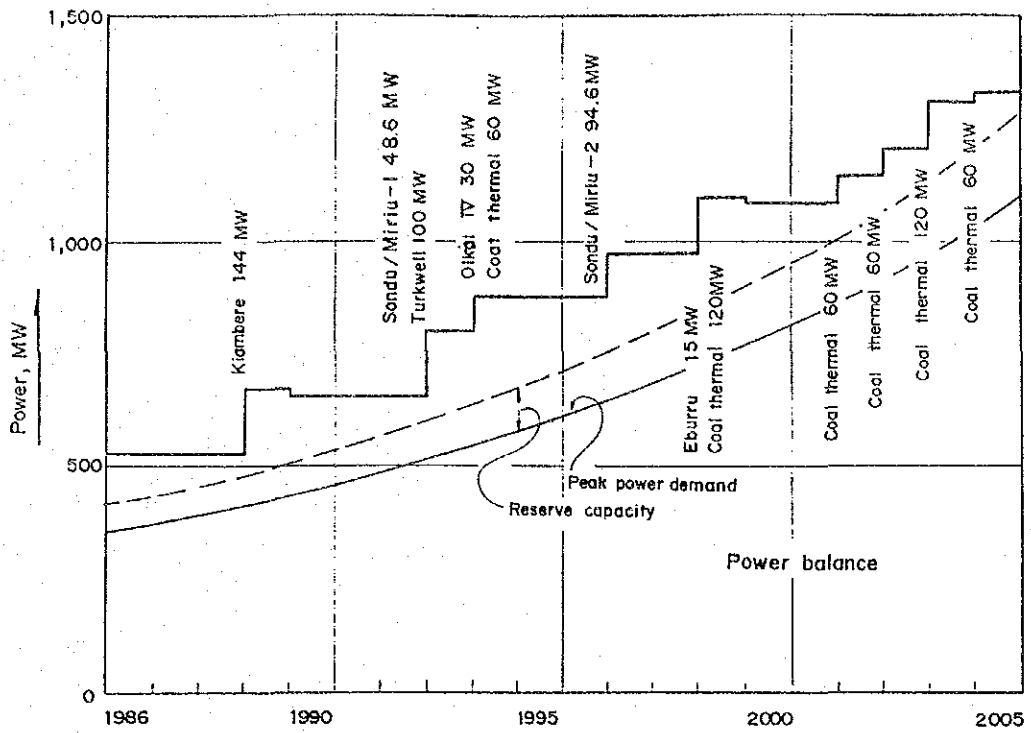
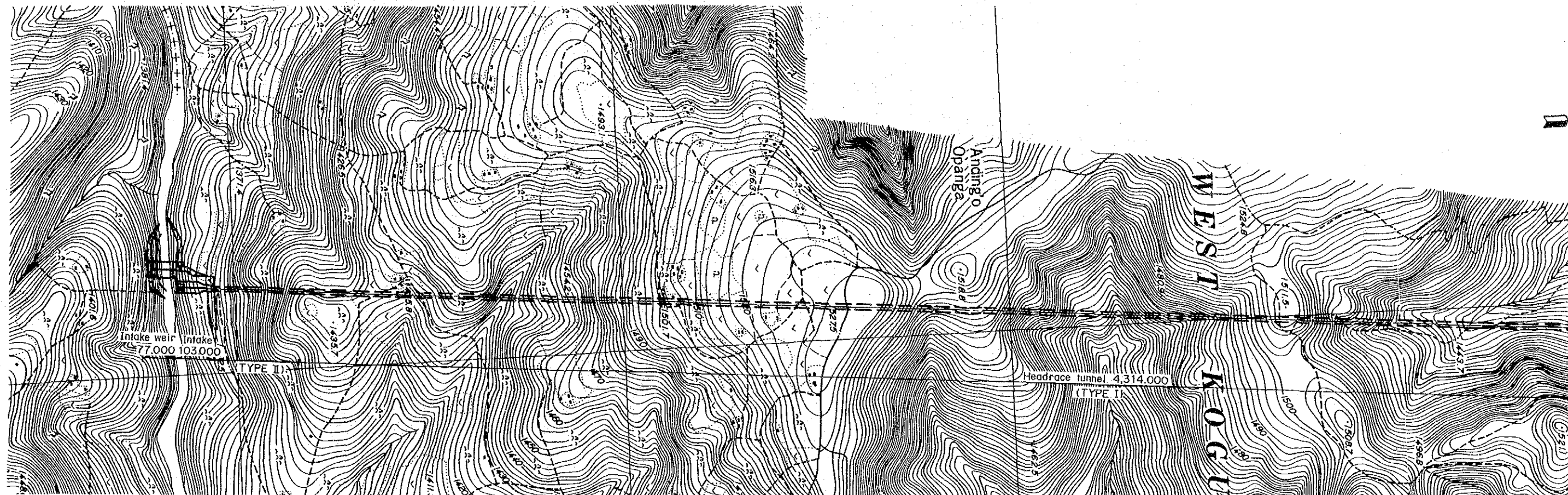


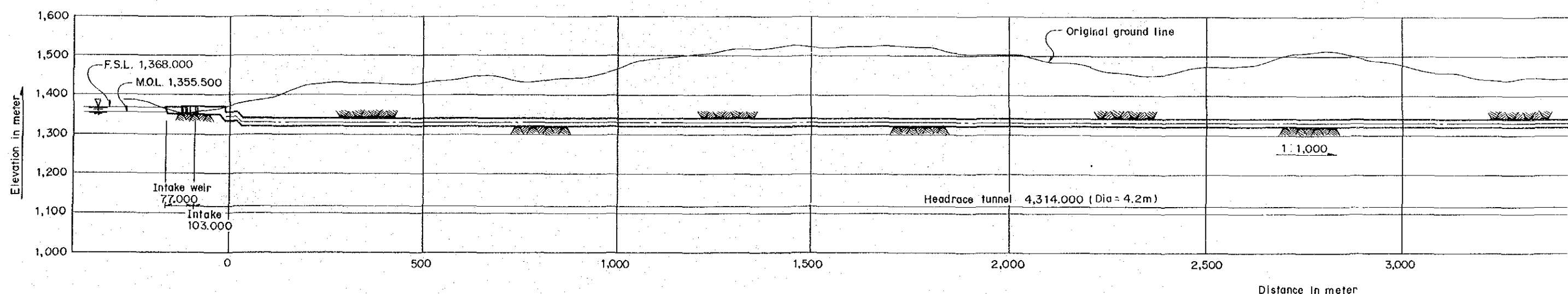
Figure 6.9
Peak Power and Energy Balance
in KP&L Power Supply System

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
<u>Sondu/Miriu Diversion</u> (first stage)											
Finance & tendering											
Detailed design											
Construction											
<u>Magwagwa reservoir</u> (second stage)											
Feasibility study											
Finance & tendering											
Detailed design											
Construction											

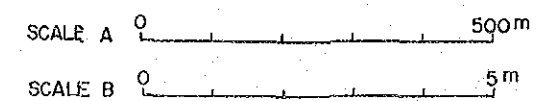
Figure 6.10
Implementation Time
Schedule of the Sondu/Miriu Project



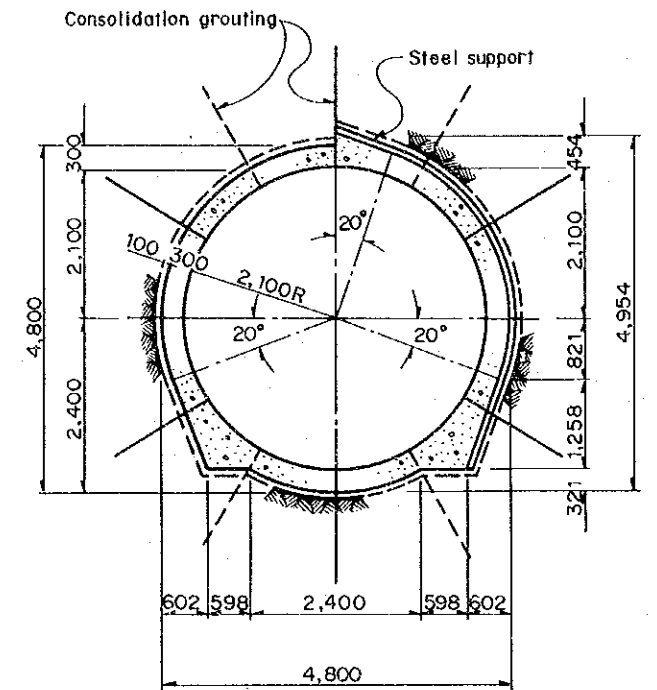
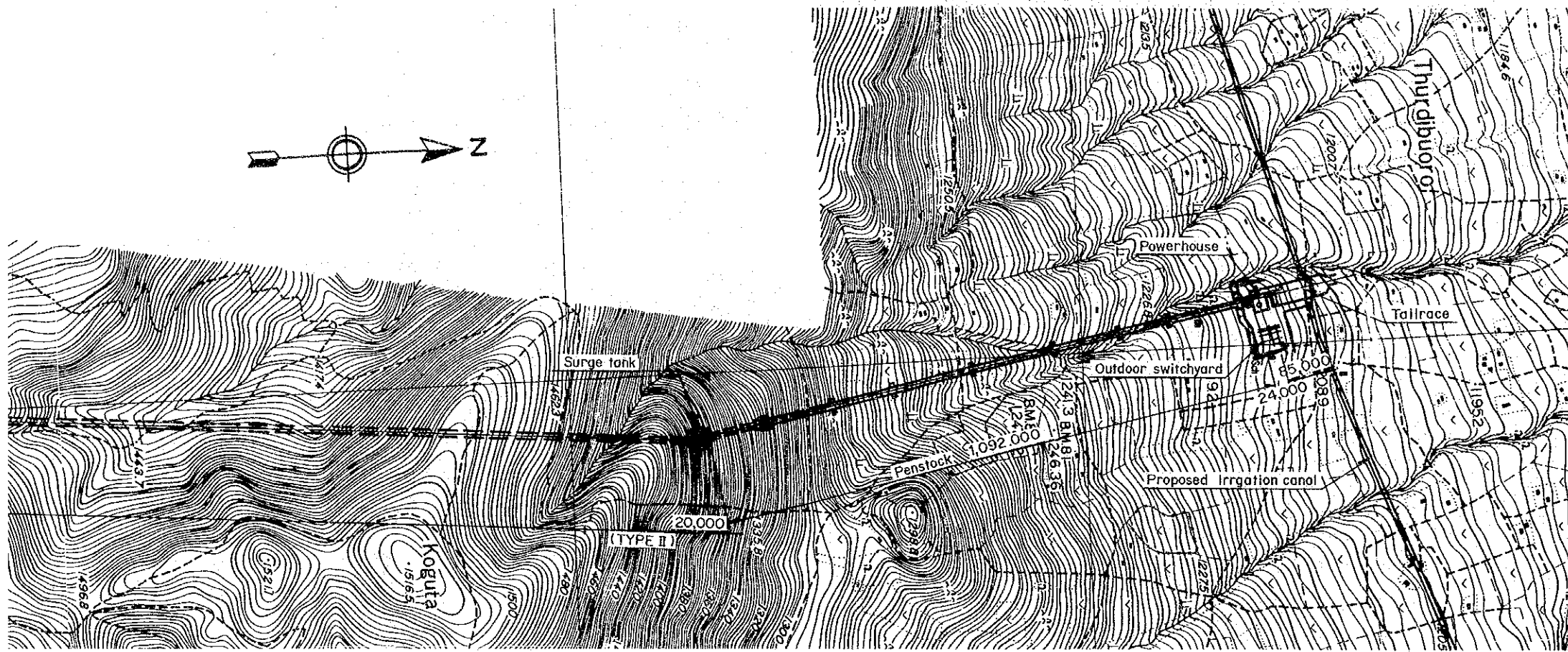
PLAN SCALE A



Distance in meter

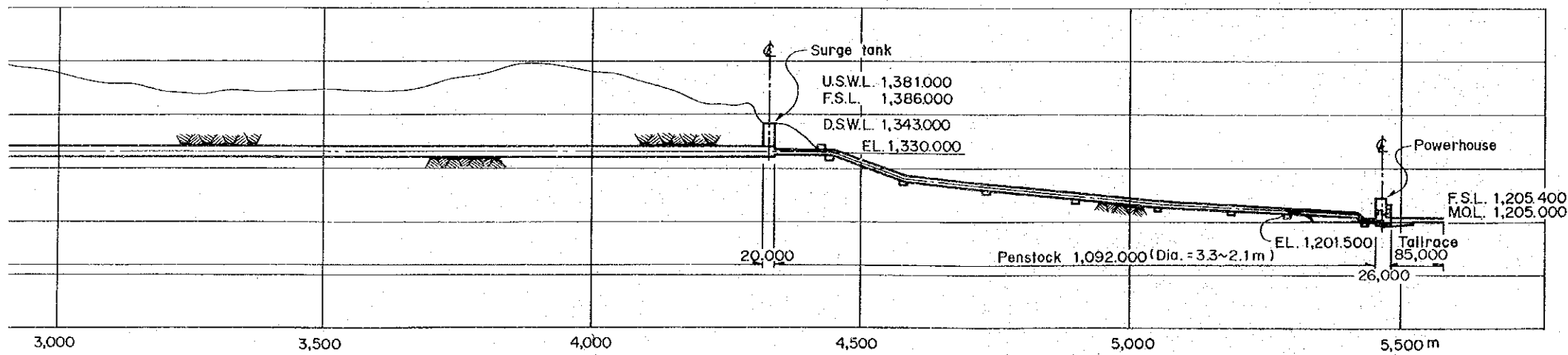


PROFILE SCALE A



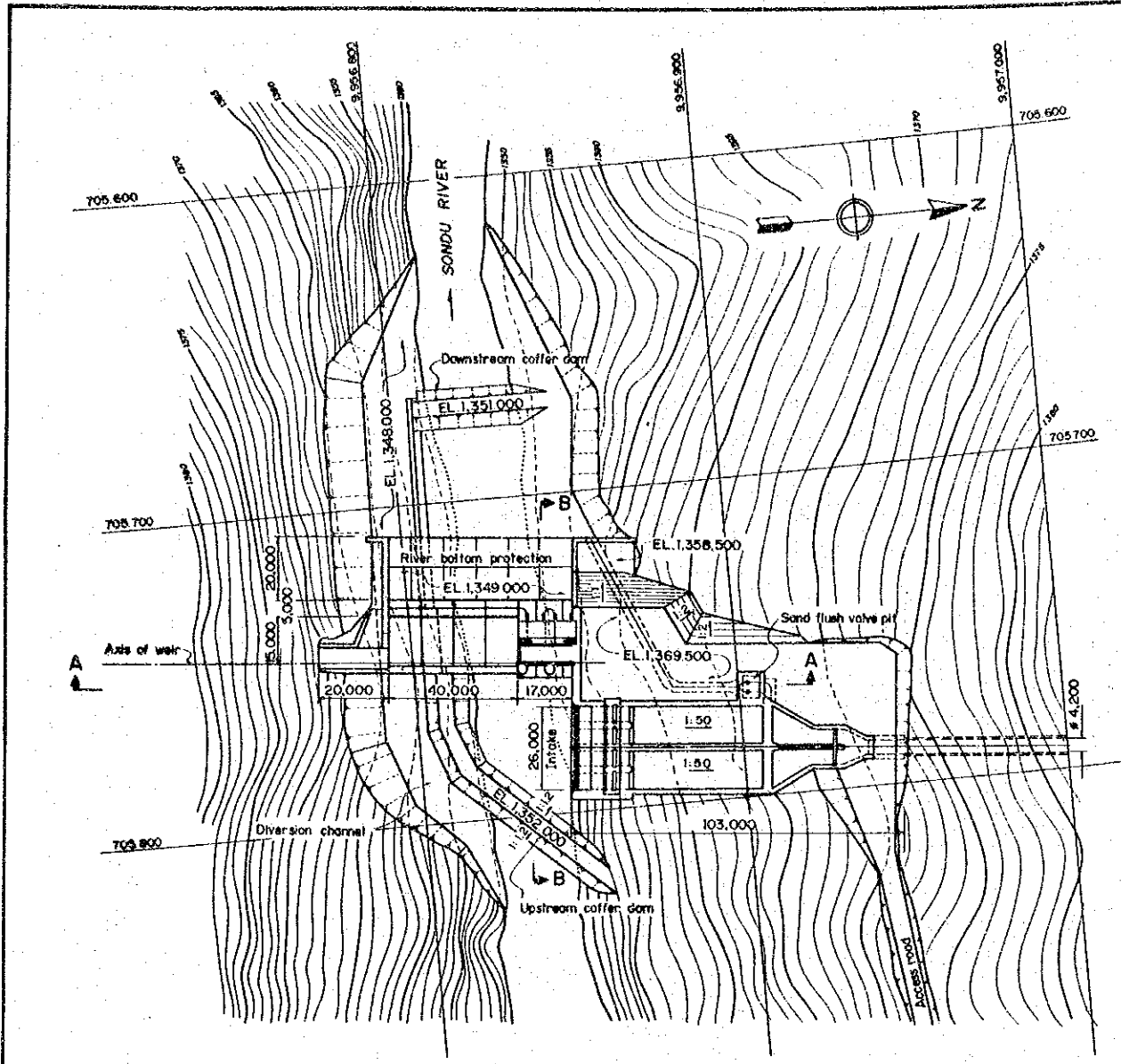
TYPE I TYPE II
 TYPICAL SECTION OF
 HEADRACE TUNNEL SCALE B

SCALE A

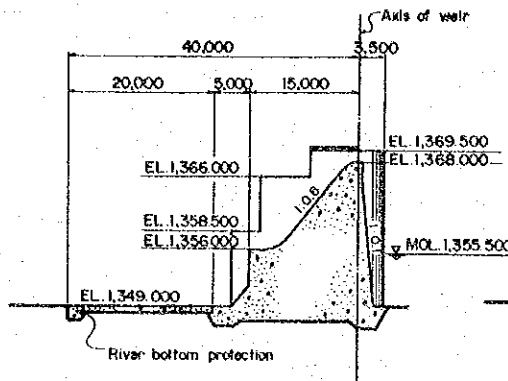


SCALE A

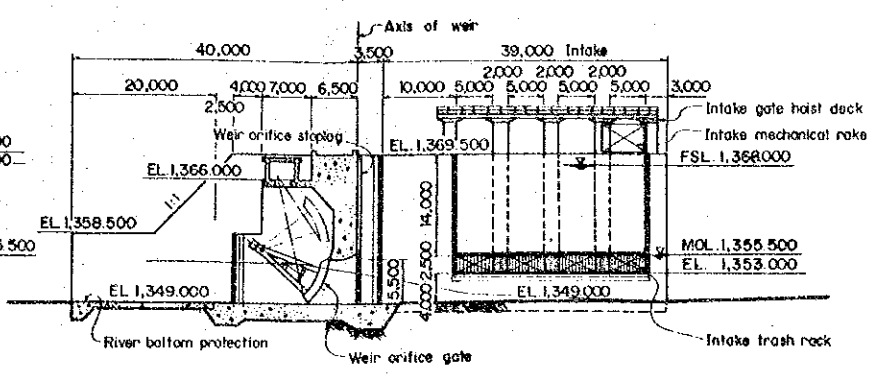
Figure 7.1 Waterway



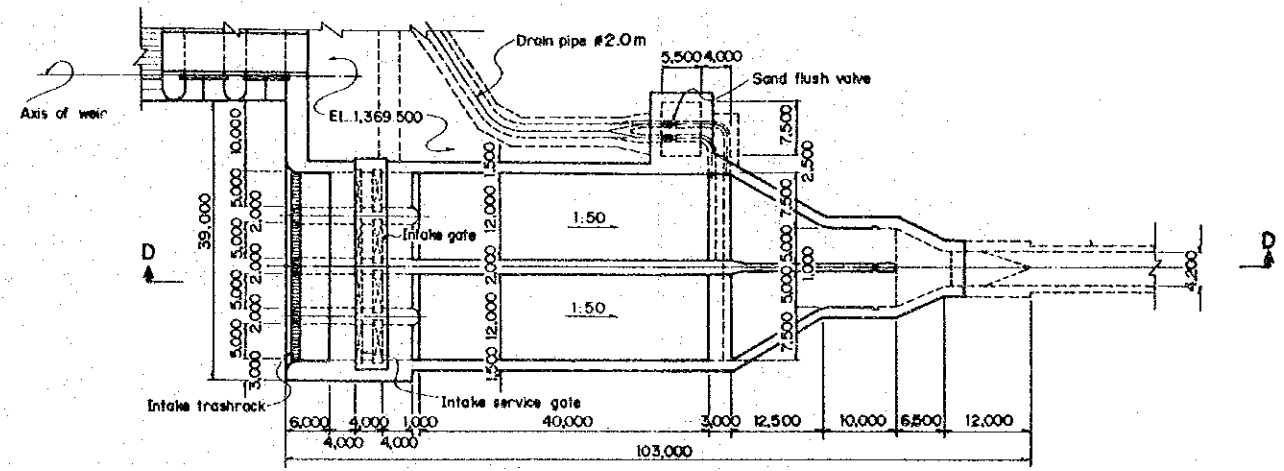
PLAN SCALE B



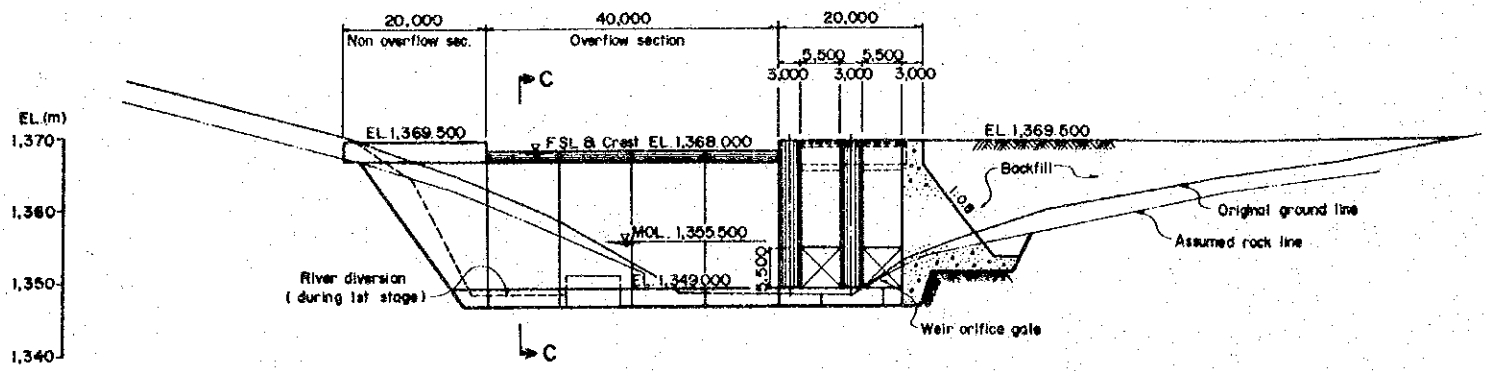
SECTION C-C SCALE A



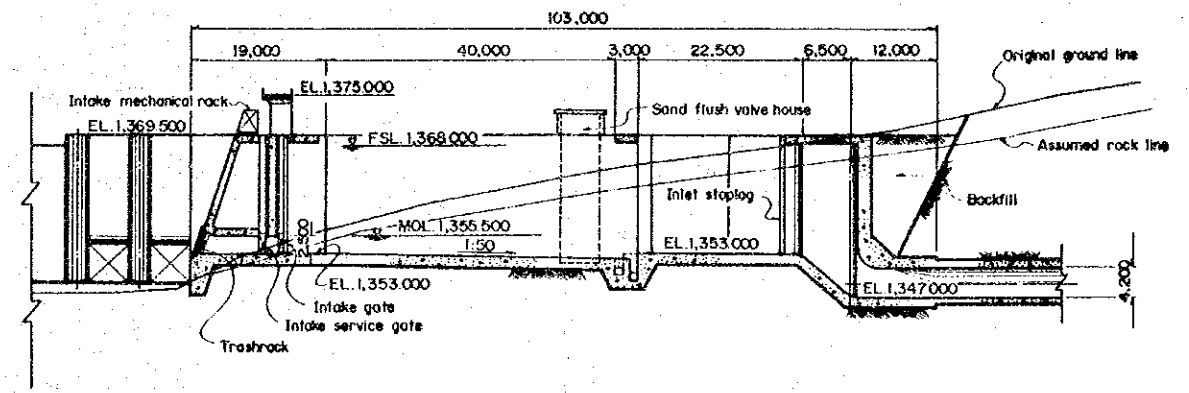
SECTION B-B SCALE A



PLAN (INTAKE AND DESILTING BASIN) SCALE A



SECTION A-A SCALE A



SECTION D-D SCALE A

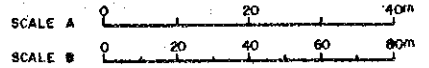
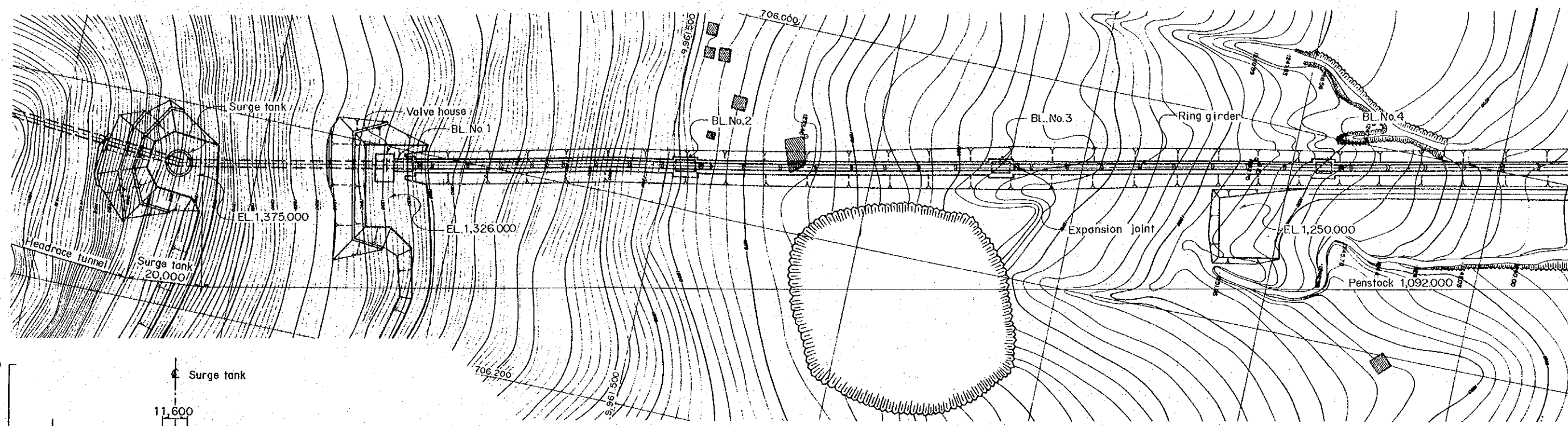
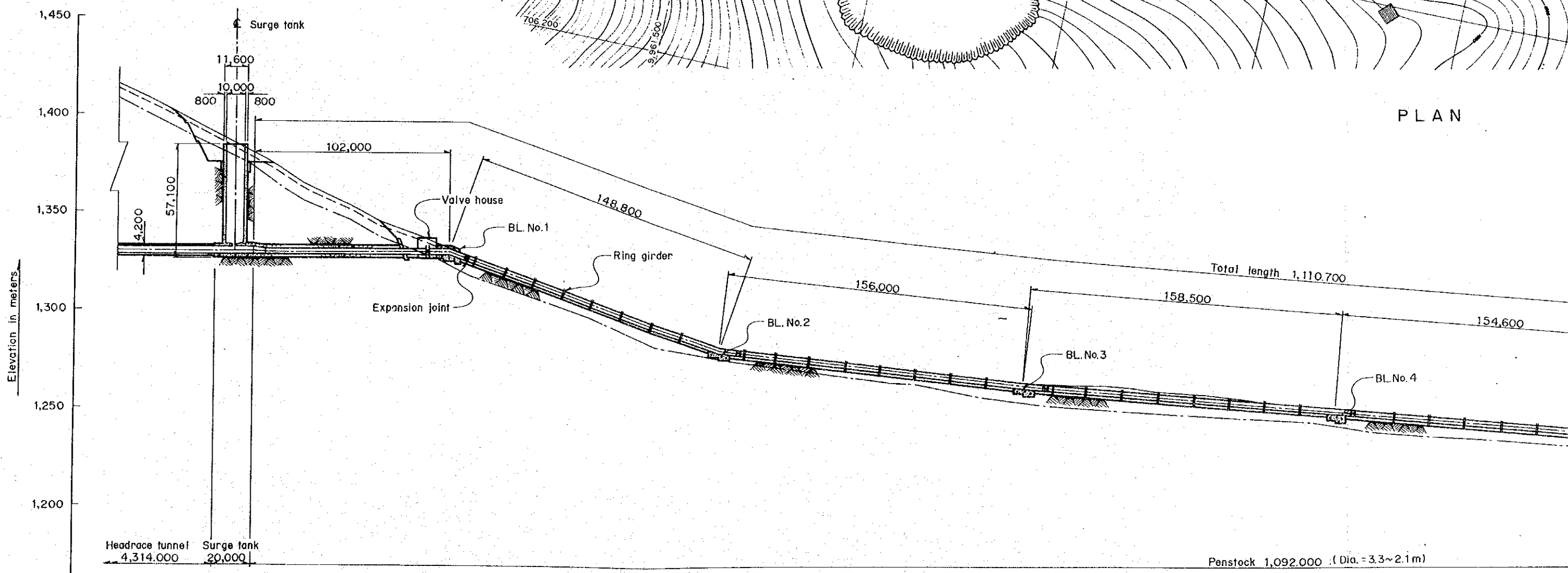


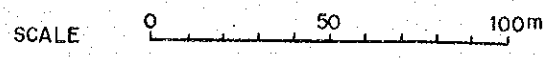
Figure 7.2 Intake Weir

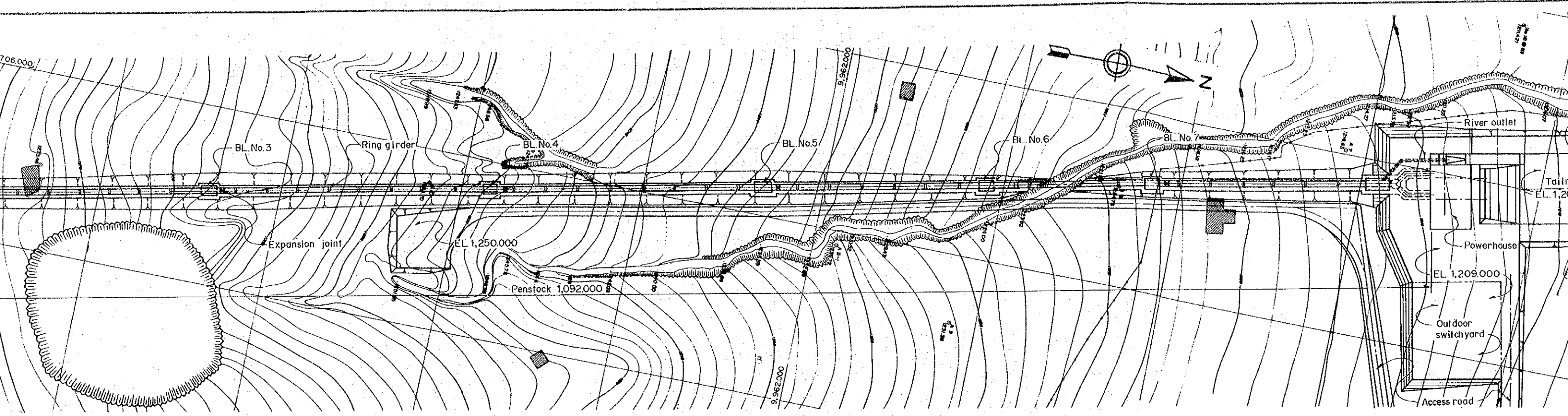


PLAN

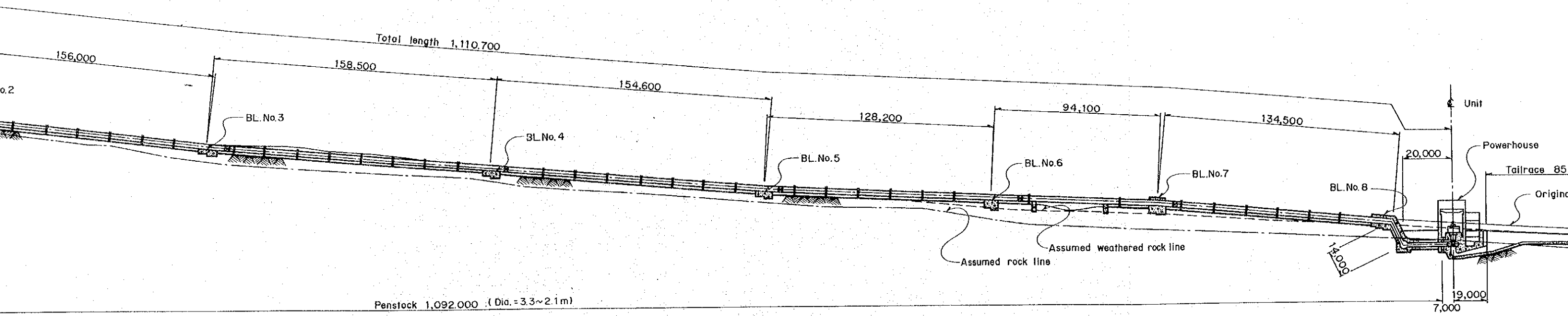


PROFILE





PLAN



PROFILE

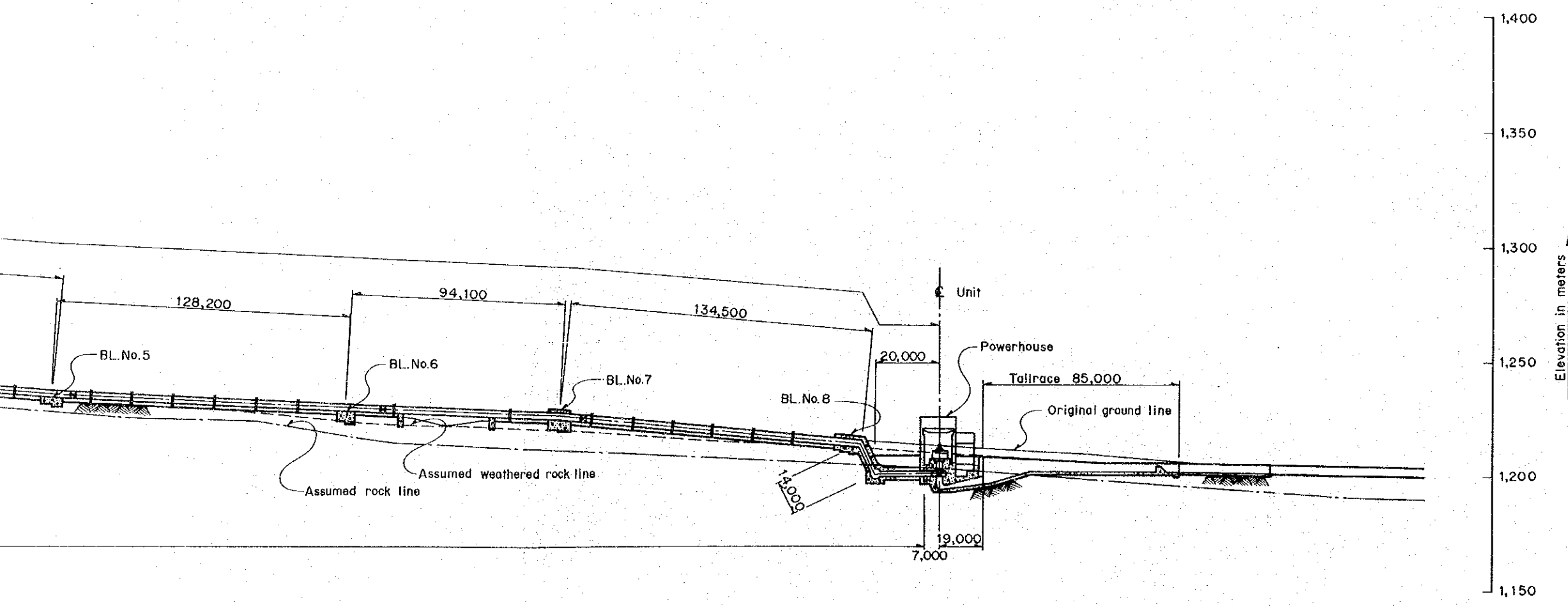
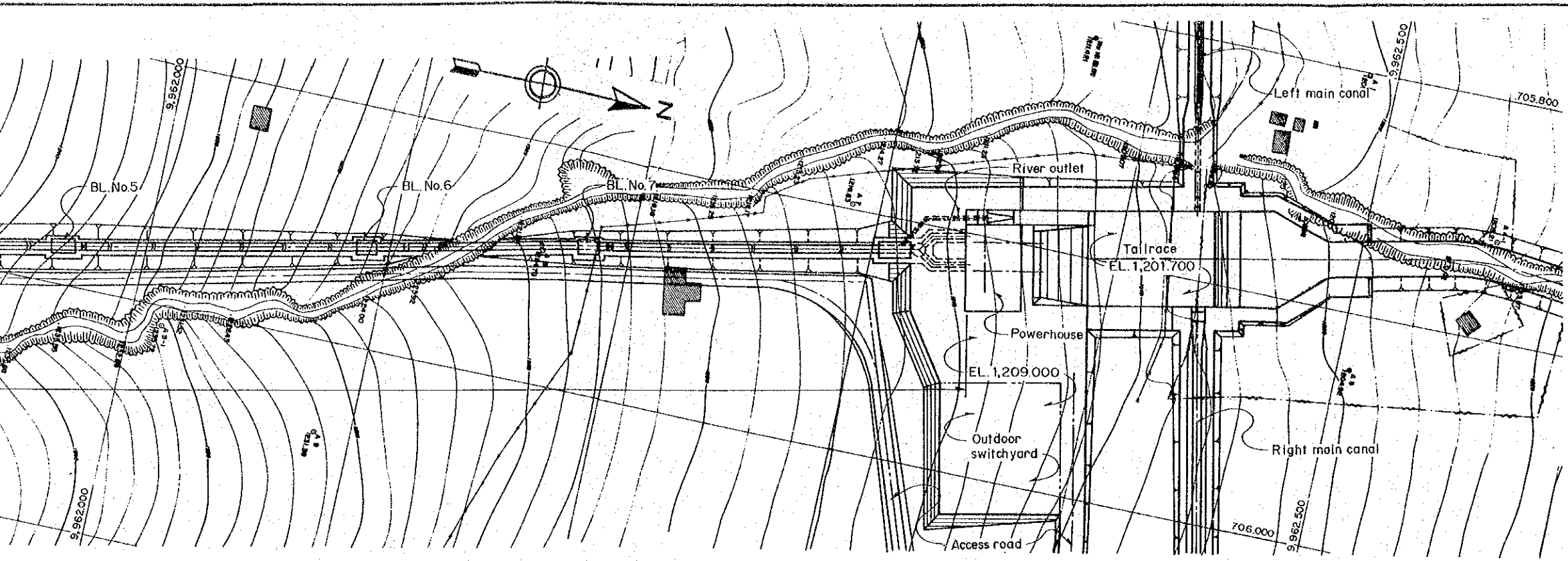
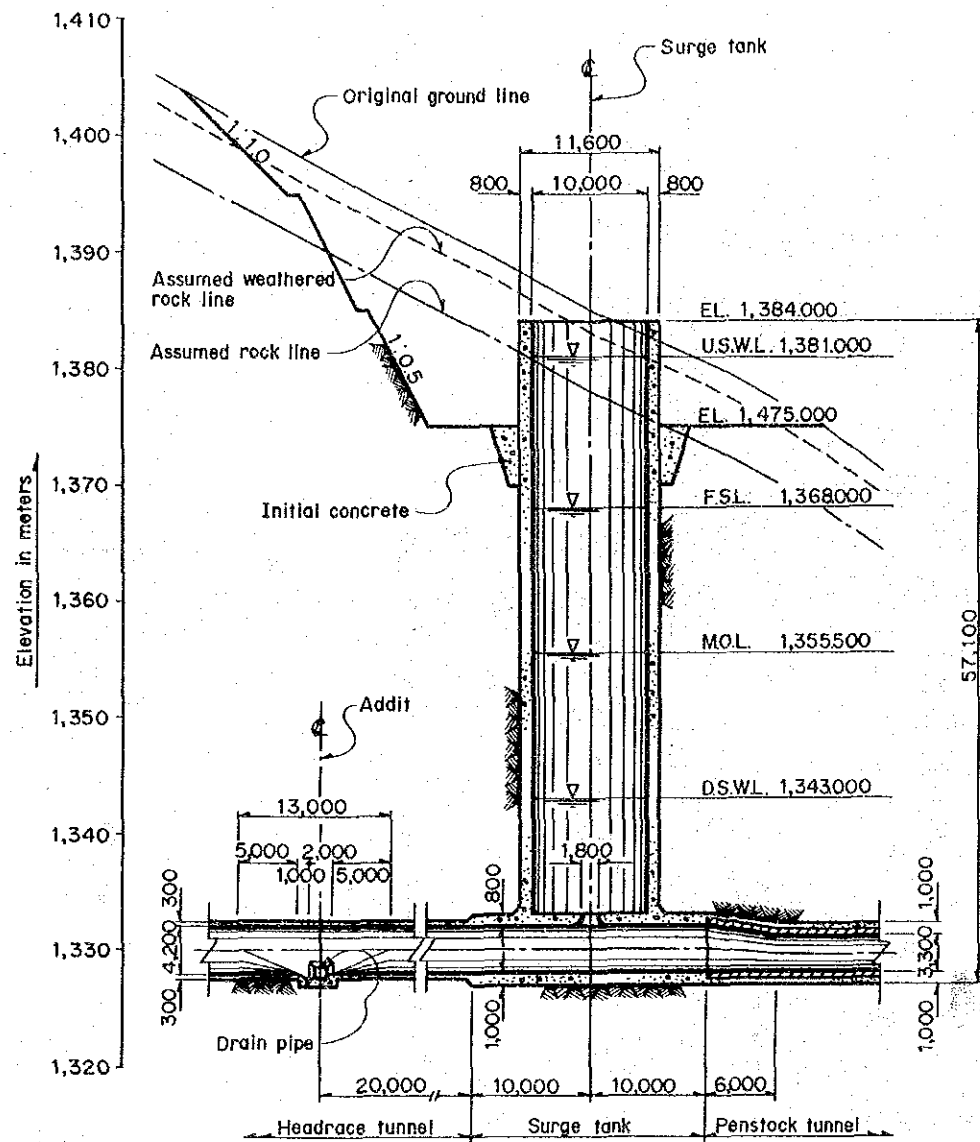
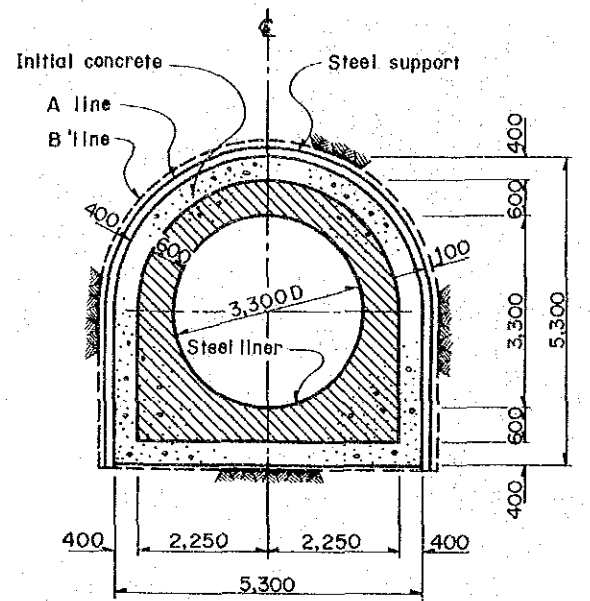


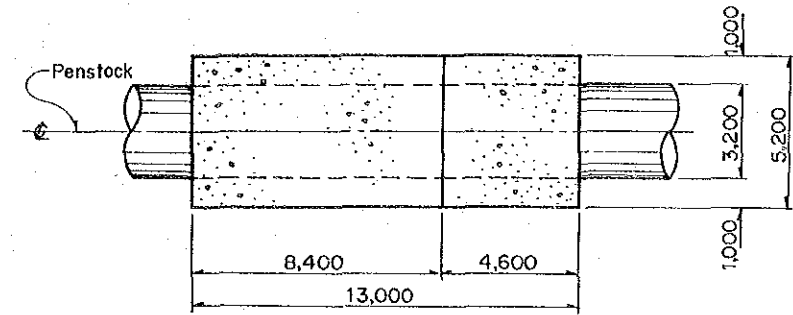
Figure 7.3
Plan and Profile of Penstock



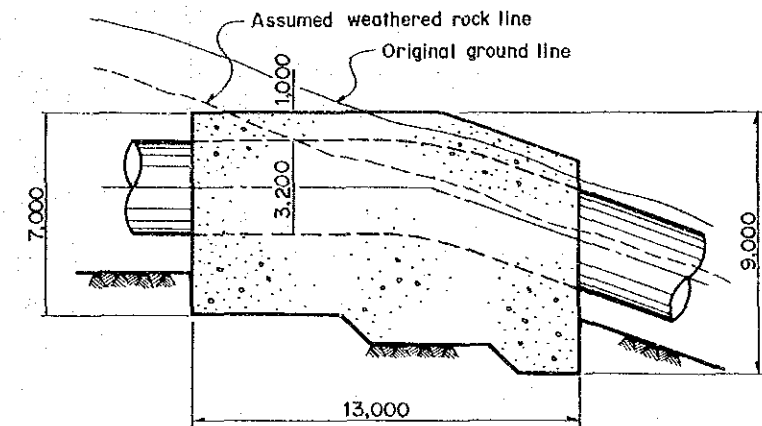
SURGE TANK SCALE A



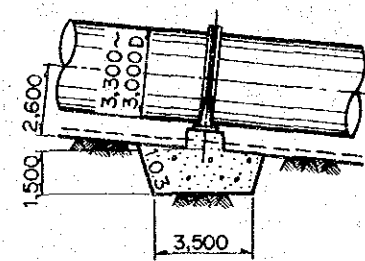
PENSTOCK TUNNEL SCALE C



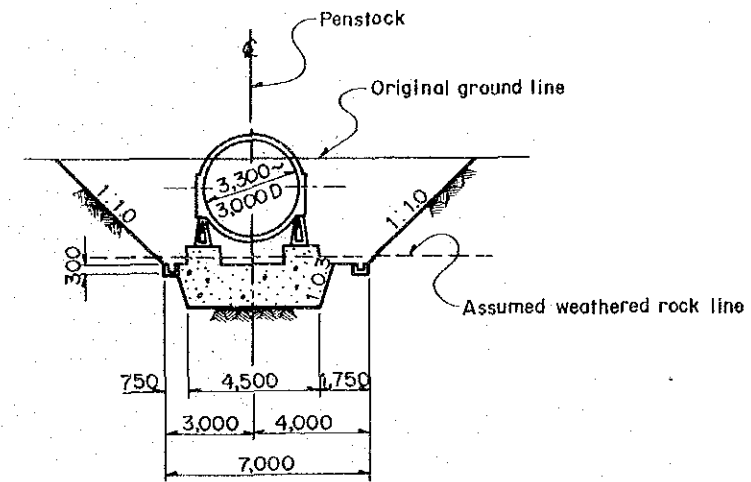
PLAN OF ANCHOR BLOCK SCALE B



PROFILE OF ANCHOR BLOCK SCALE B



PROFILE OF SADDLE PIER SCALE B



TYPICAL SECTION OF SADDLE PIER SCALE B

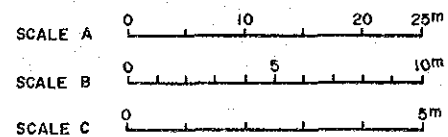


Figure 7.4
Surgetank and Penstock

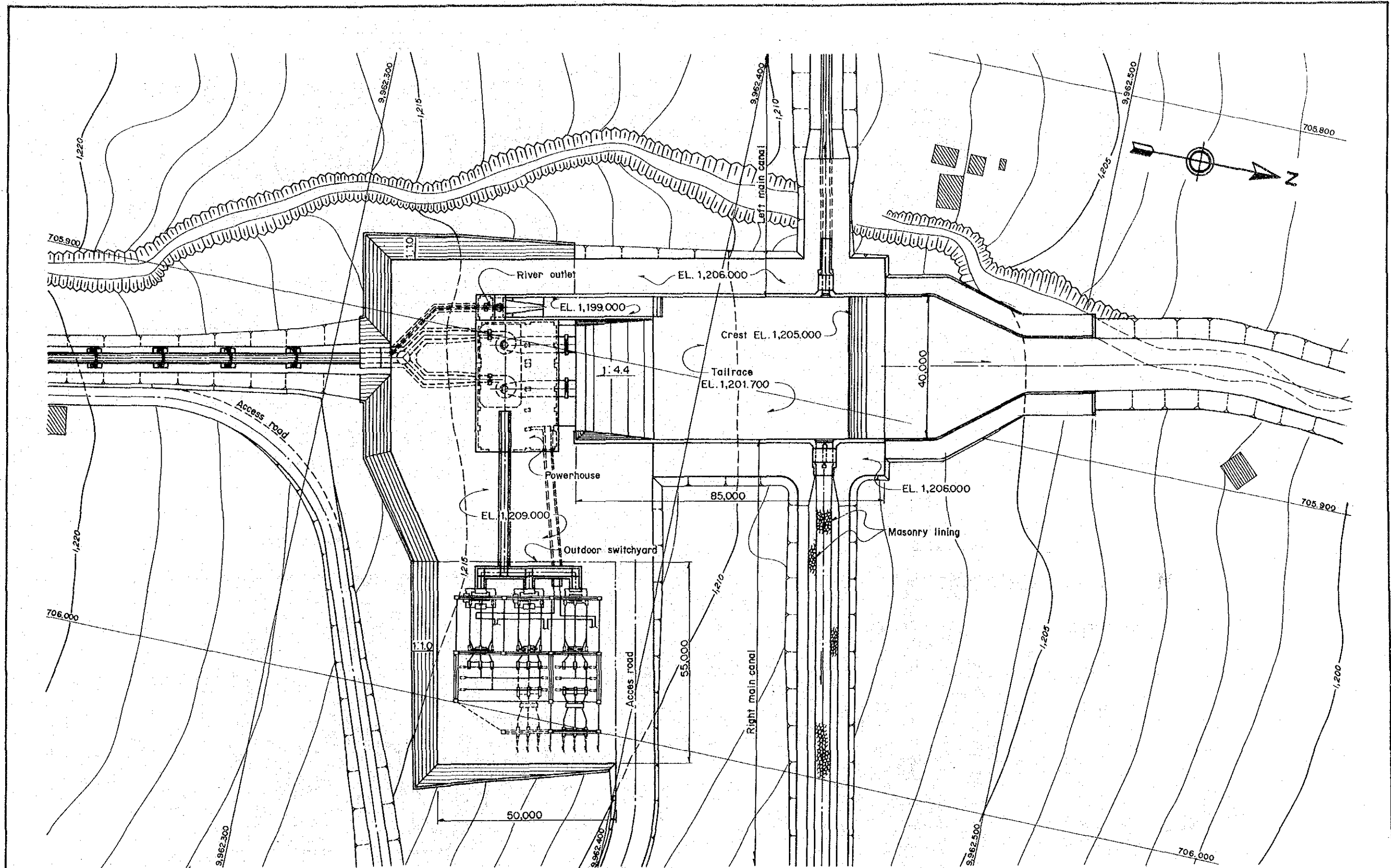
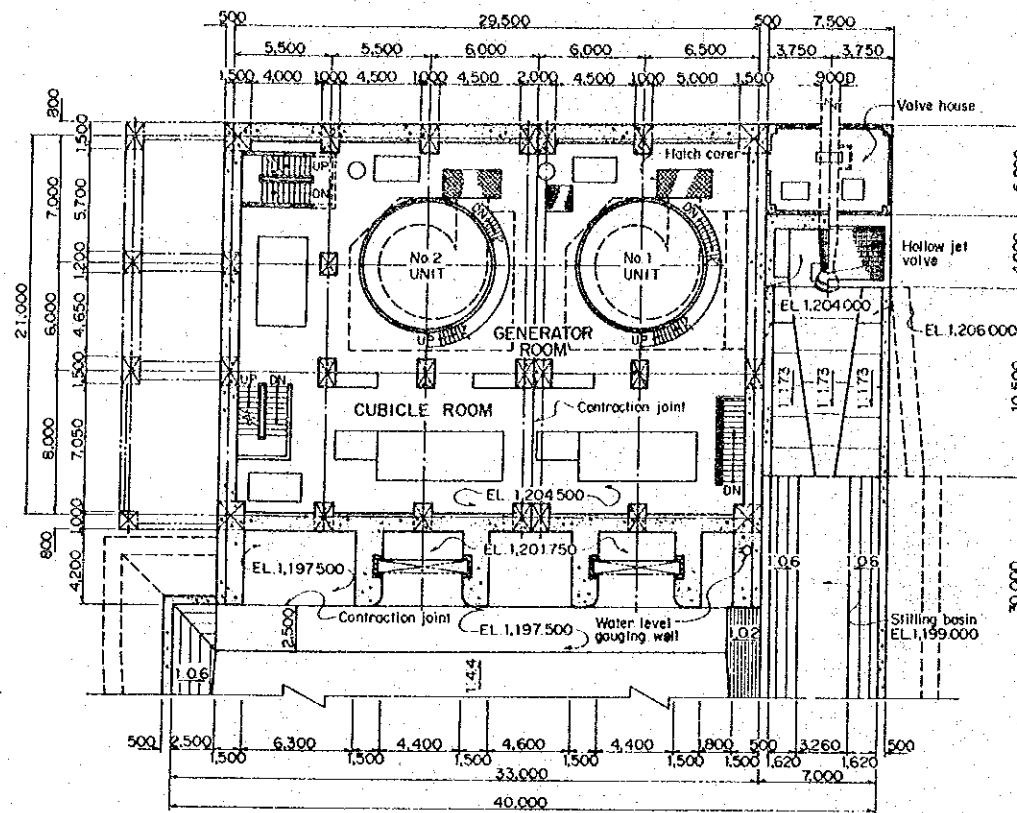


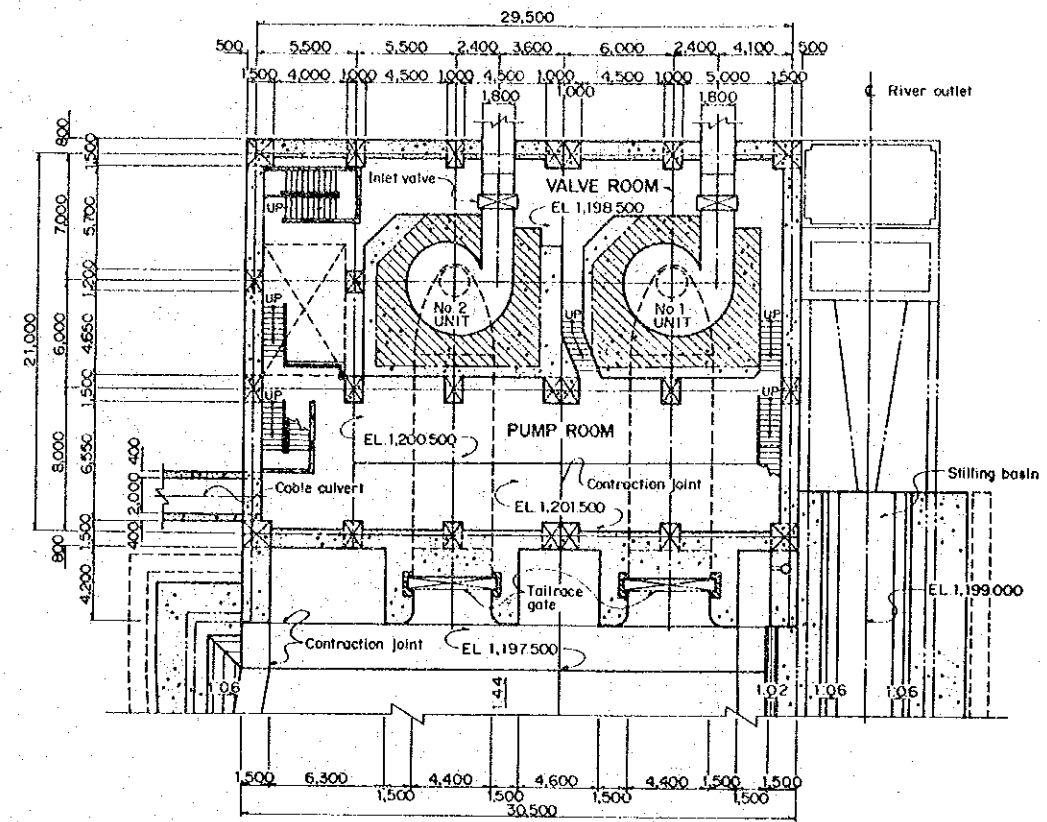
Figure 7.5
Plan of Power Station

SCALE 0 50m

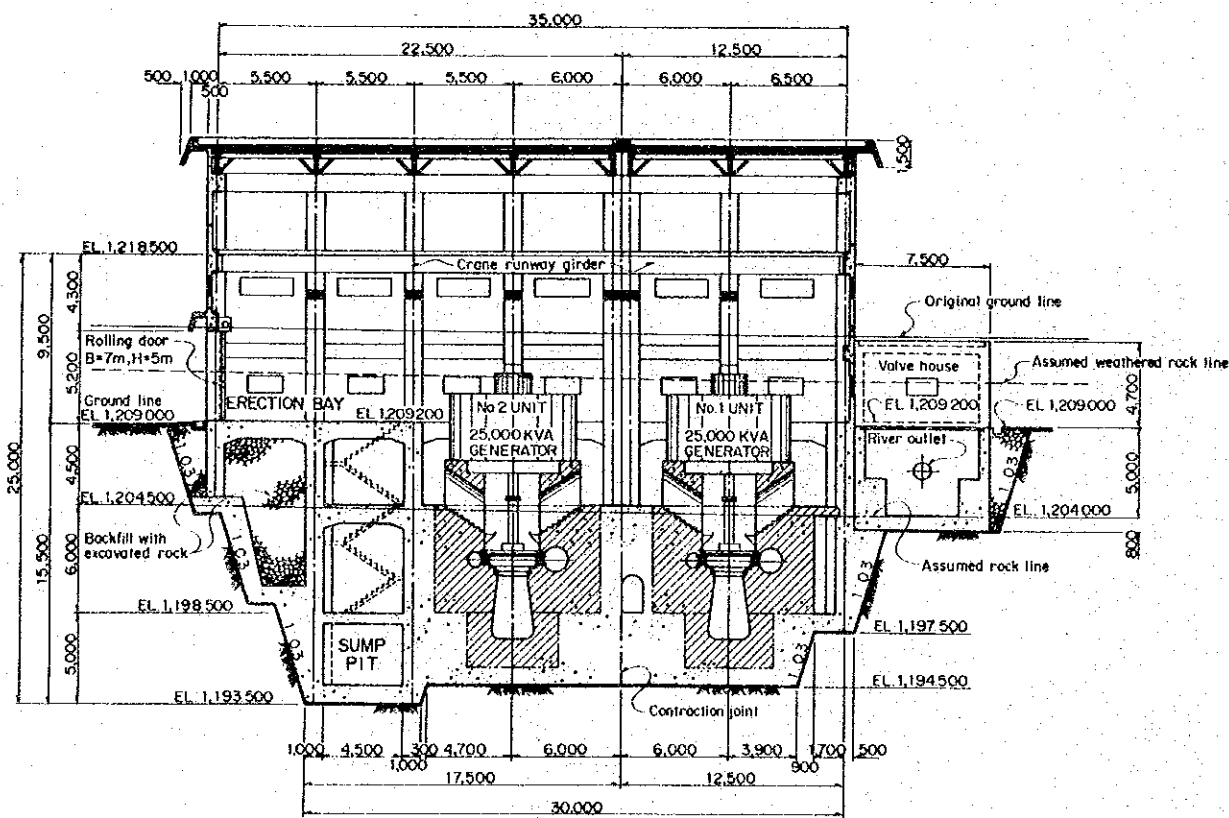
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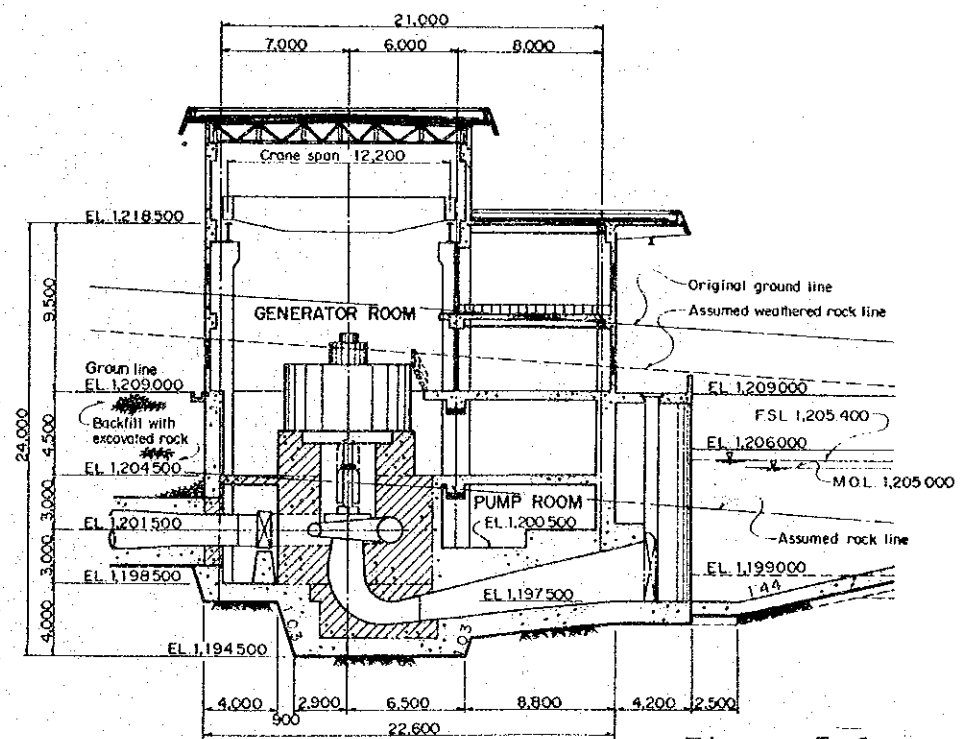
FLOOR PLAN AT EL. 1,204.500



FLOOR PLAN AT EL. 1,198.500 AND EL. 1,200.500



SCALE 0 15m LONGITUDINAL SECTION



TRANVERSE SECTION

Figure 7.6 Powerhouse

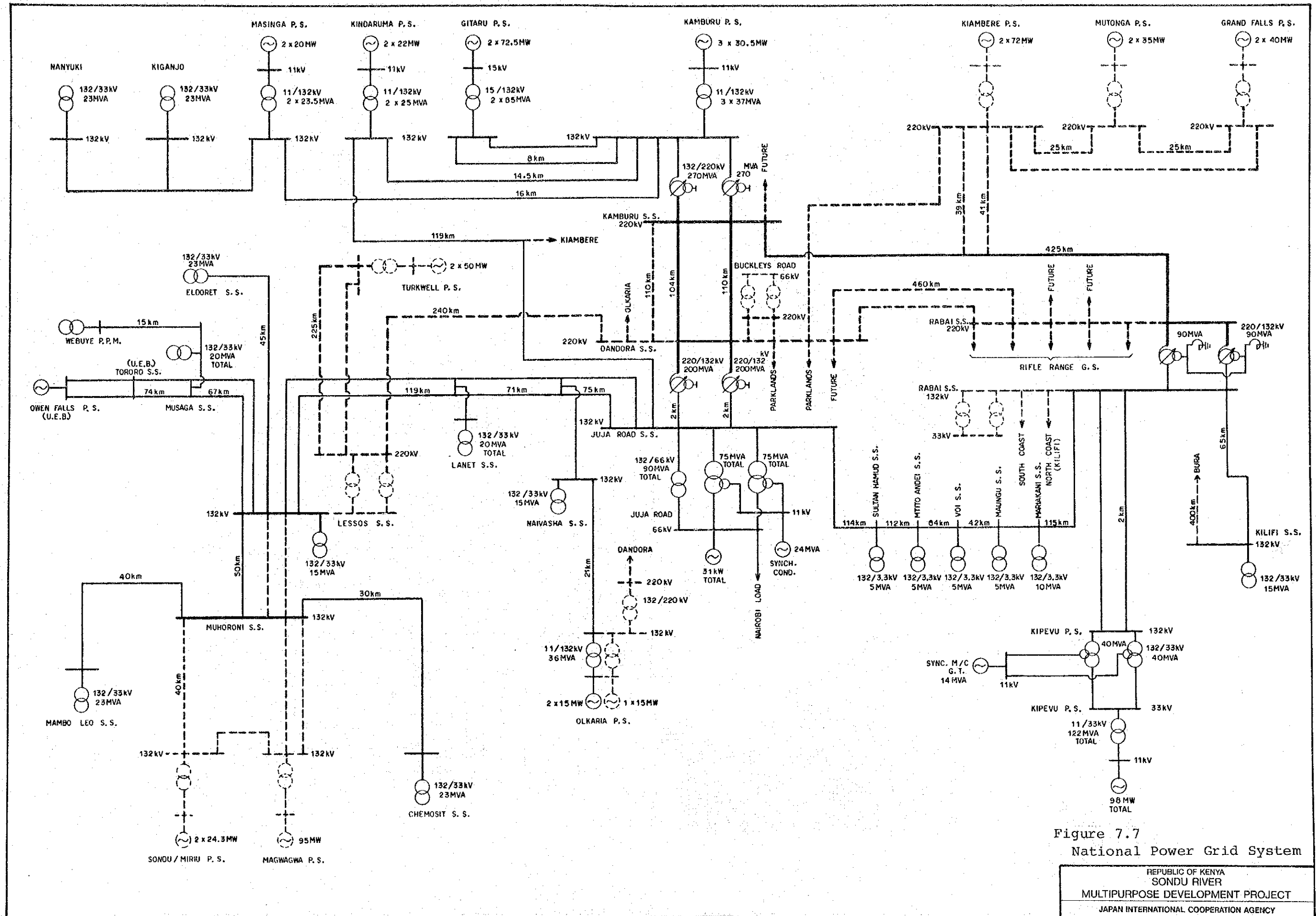


Figure 7.7
National Power Grid System

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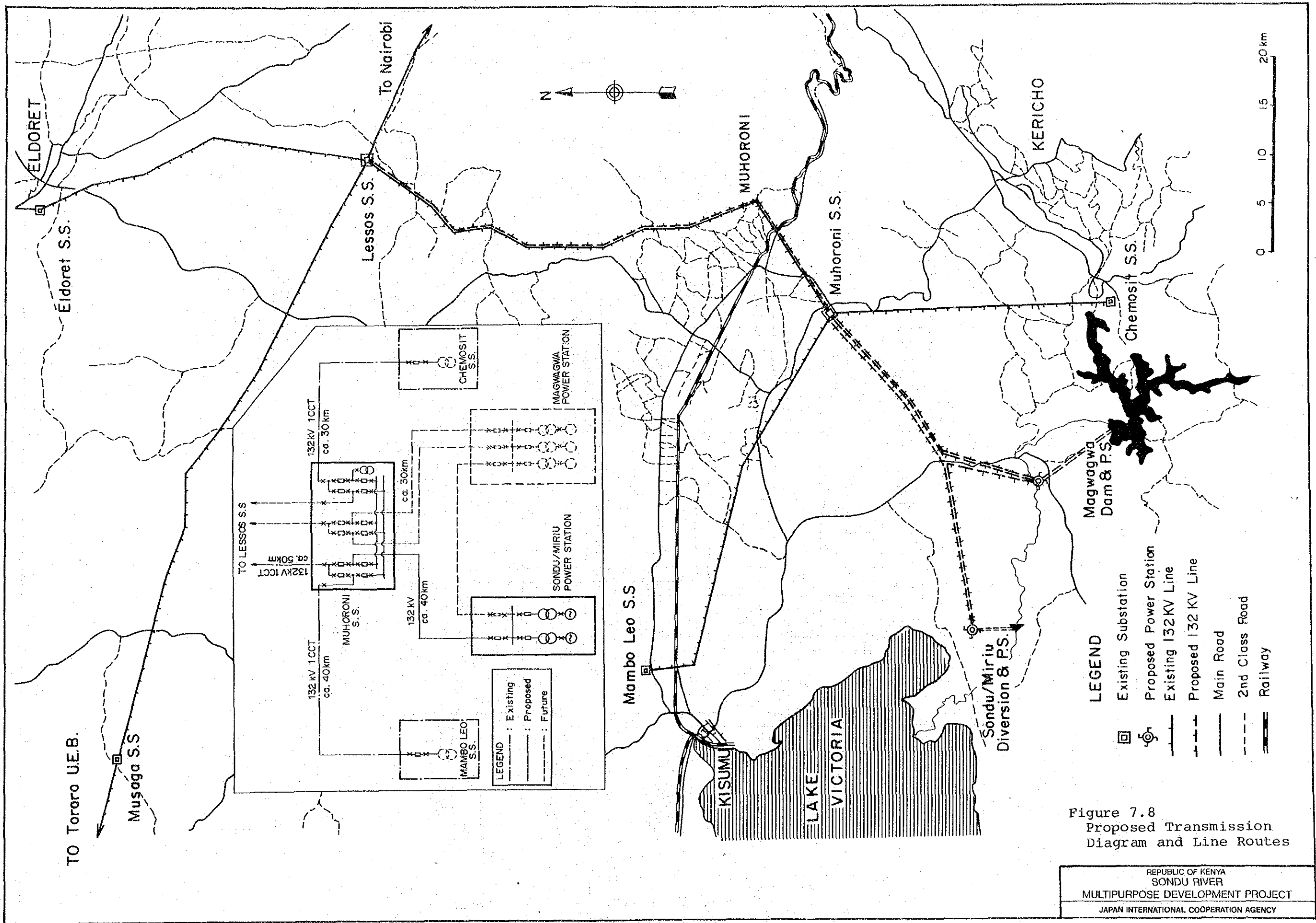


Figure 7.8
Proposed Transmission
Diagram and Line Routes

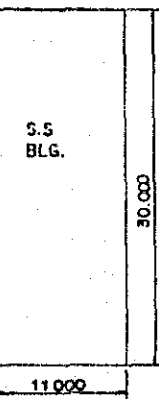
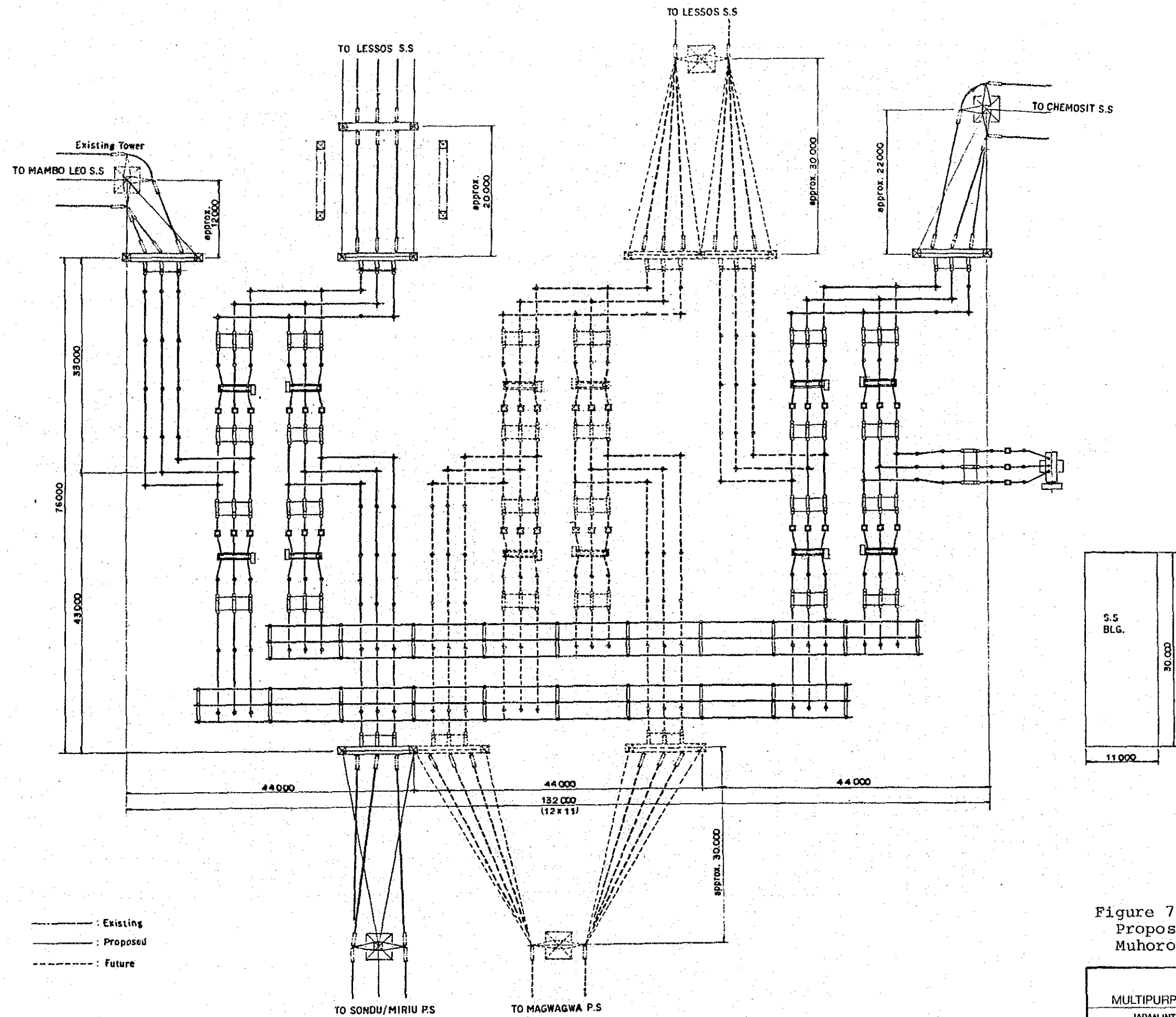


Figure 7.9
Proposed Extension of
Muhoroni Substation

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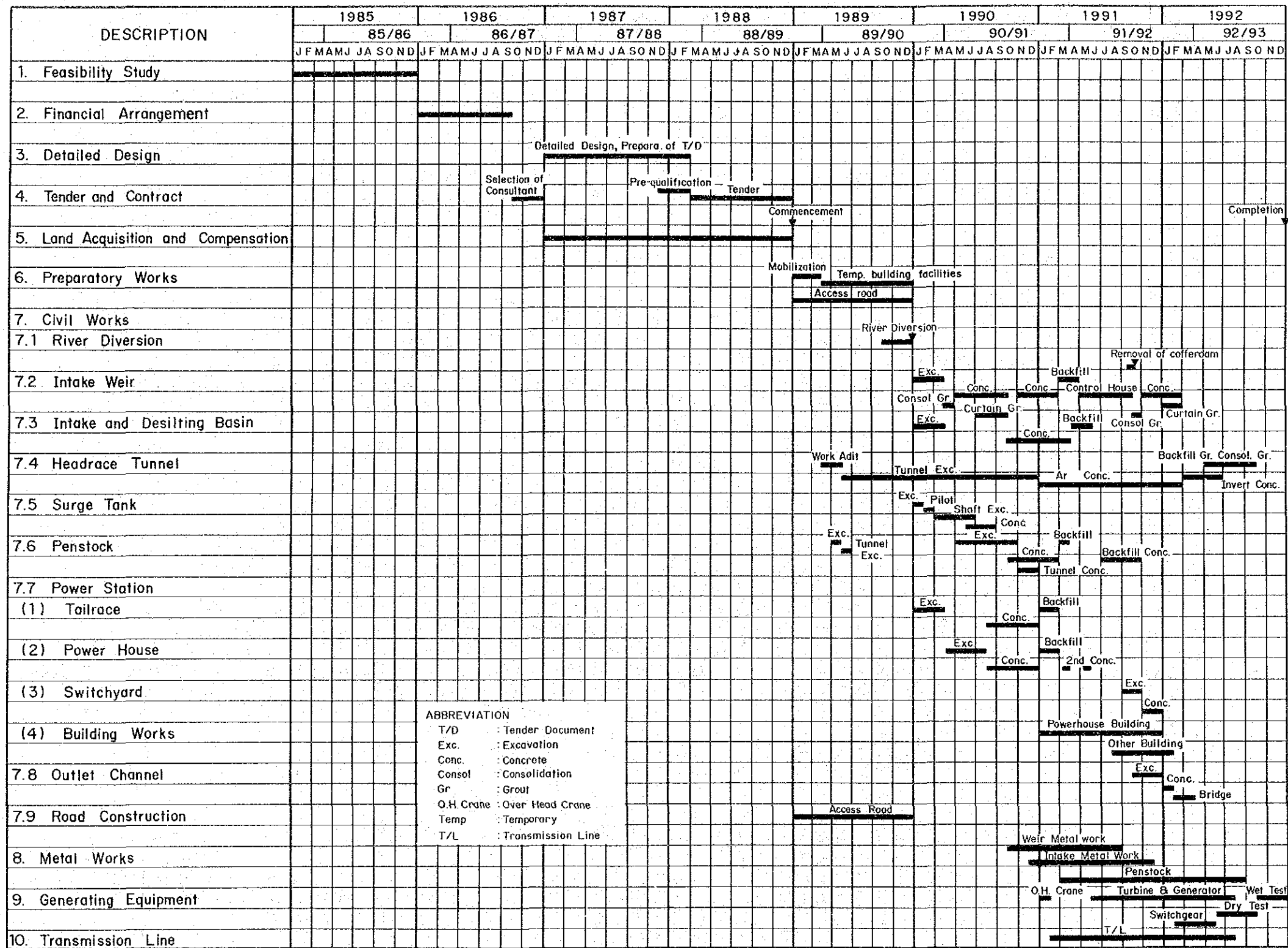


Figure 8.1
Construction Schedule

原稿