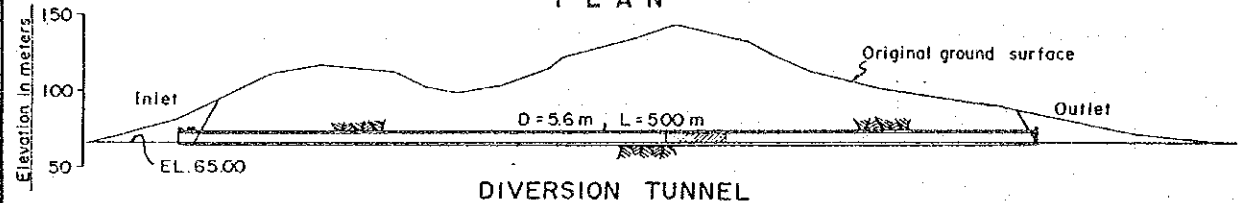
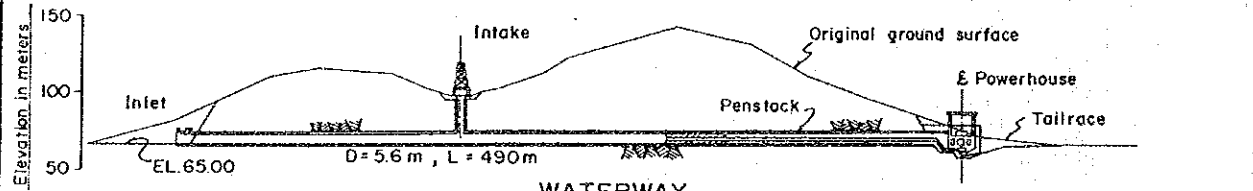


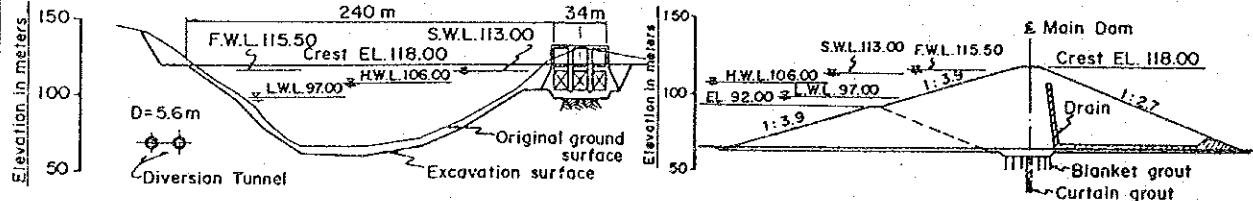
PLAN



DIVERSION TUNNEL

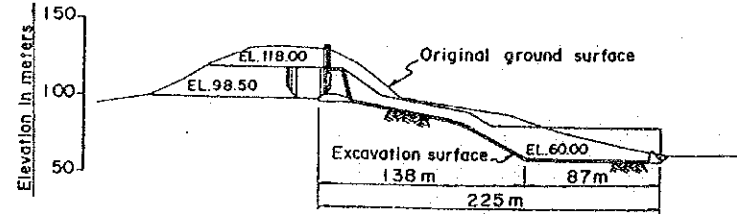


WATERWAY



SECTION OF DAM

PROFILE OF DAM



PROFILE OF SPILLWAY

Fig. 11.5 LAYOUT PLAN OF SIFFU NO. 1 DAM

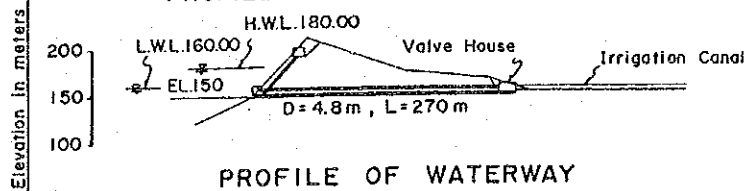
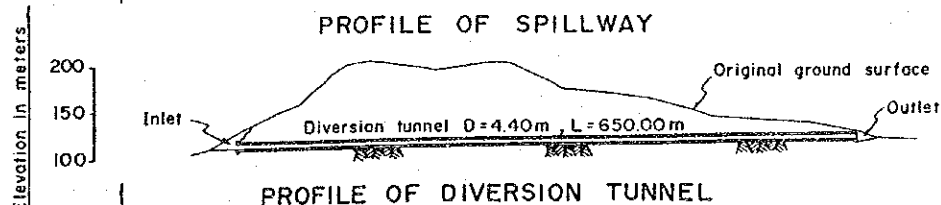
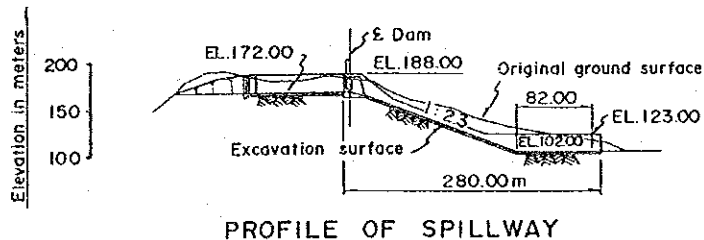
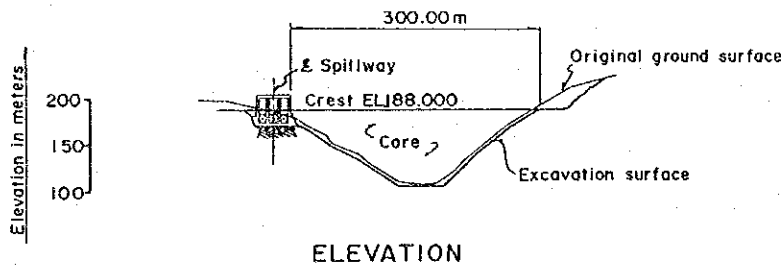
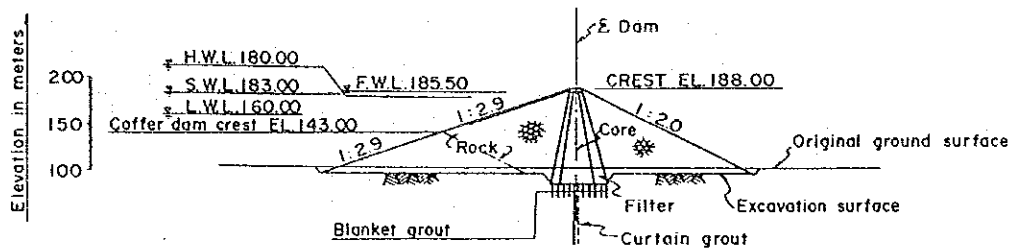
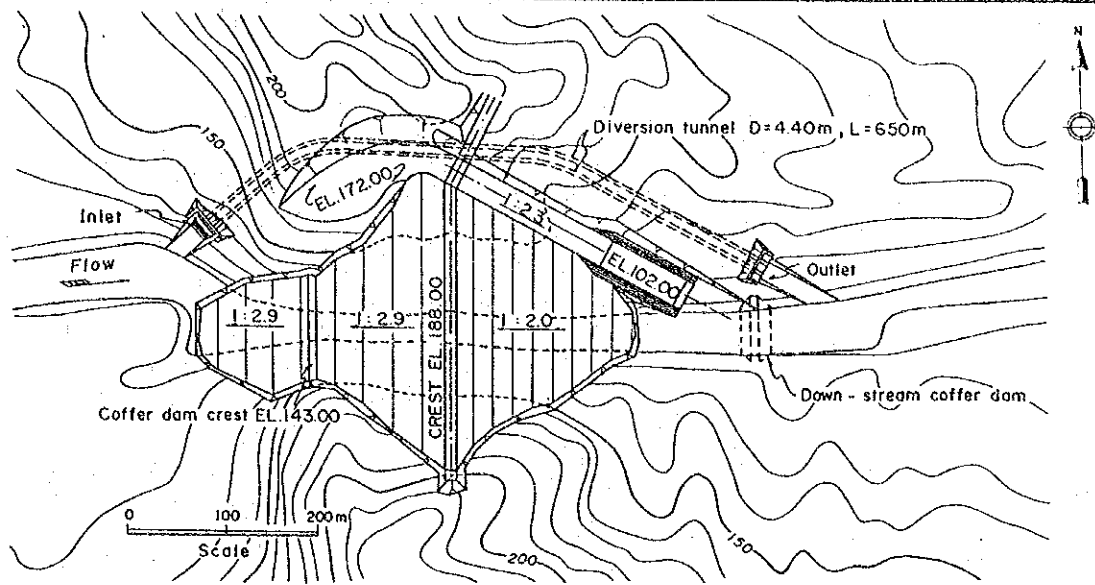
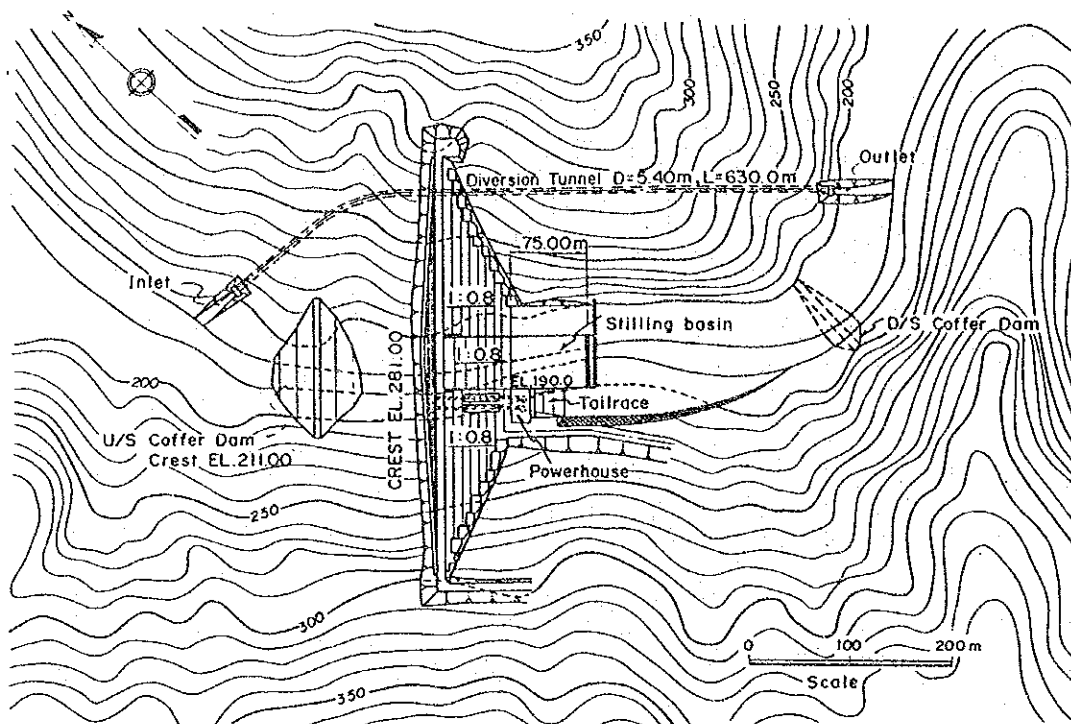
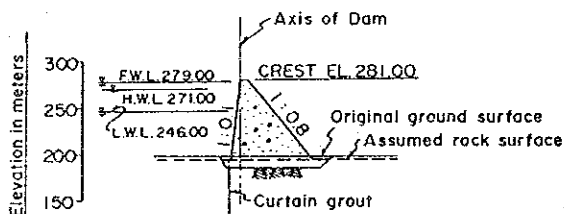


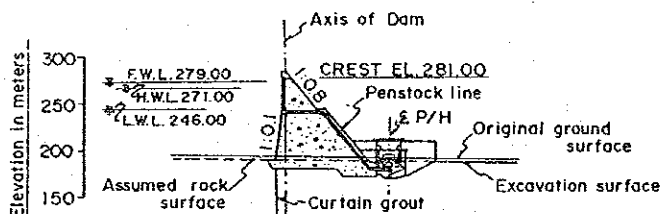
Fig. 11.6 LAYOUT PLAN OF MALLIG NO. 2 DAM



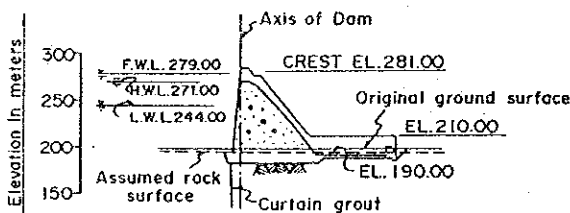
PLAN



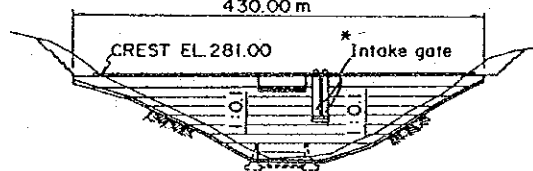
TYPICAL SECTION



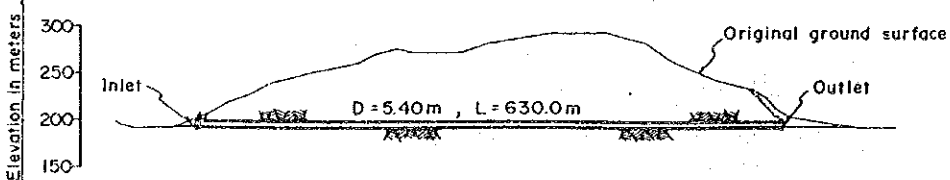
PROFILE OF POWER LINE



OVERFLOW SECTION



ELEVATION



PROFILE OF DIVERSION TUNNEL

Fig. 11.7 LAYOUT PLAN OF ALIMIT NO. 1 DAM

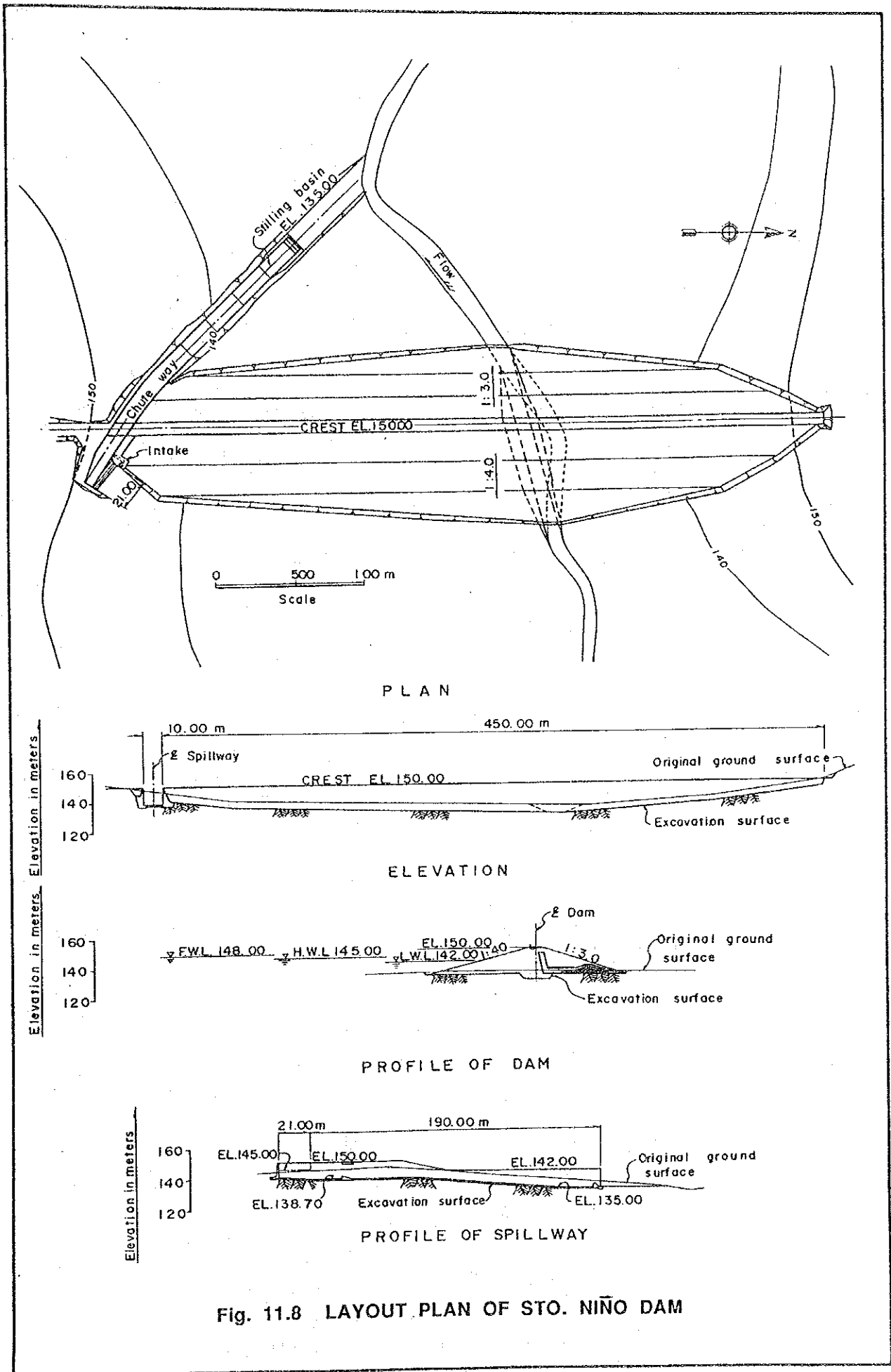
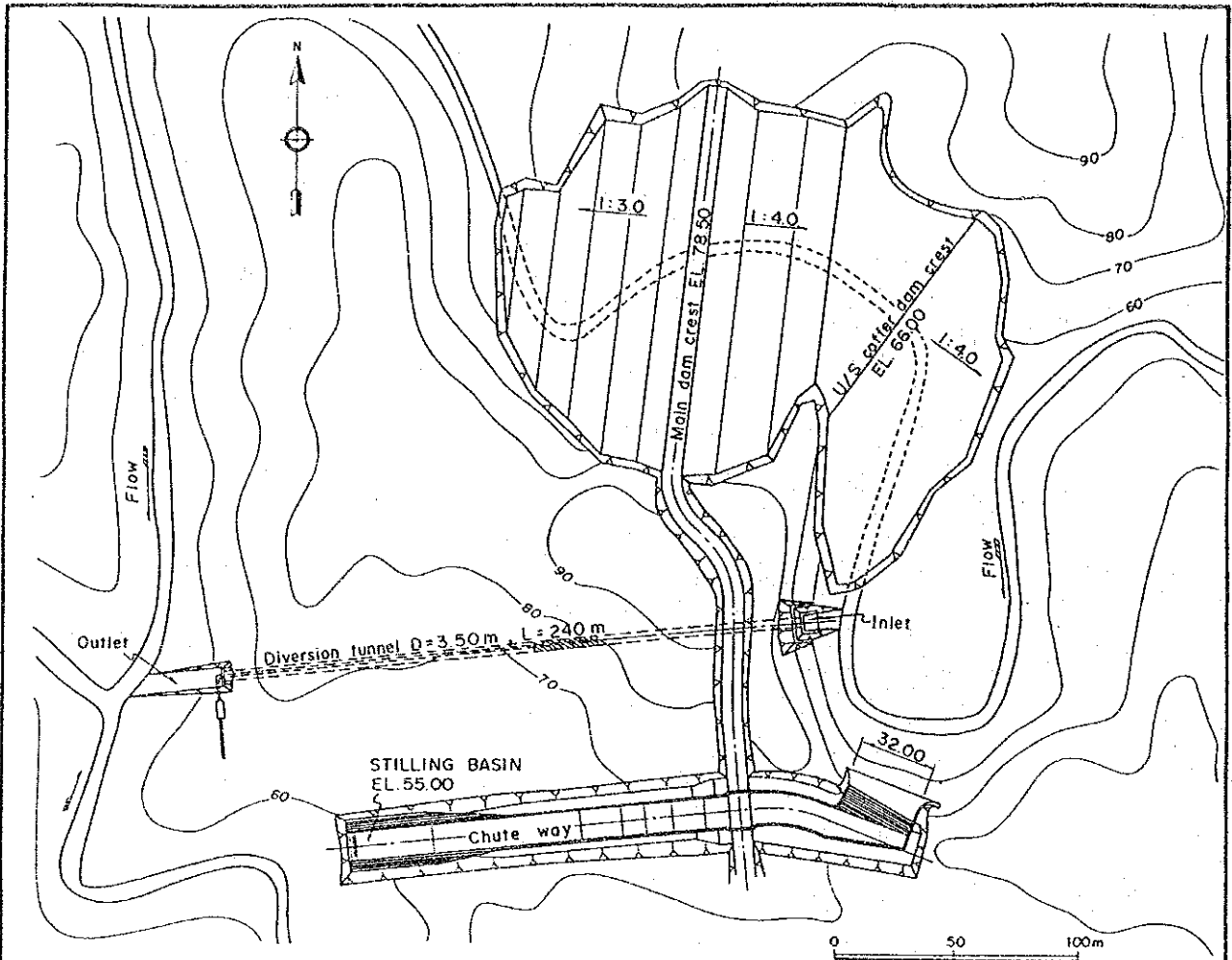
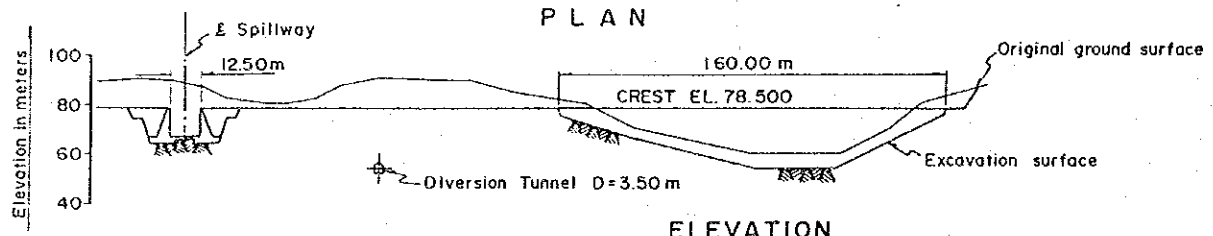


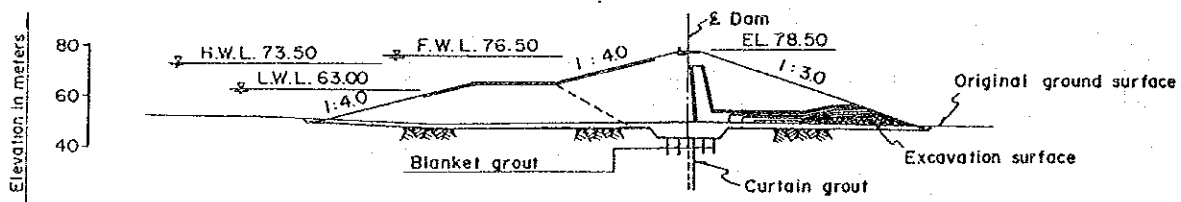
Fig. 11.8 LAYOUT PLAN OF STO. NIÑO DAM



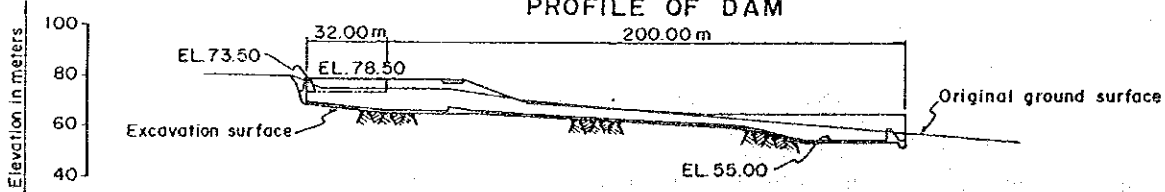
PLAN



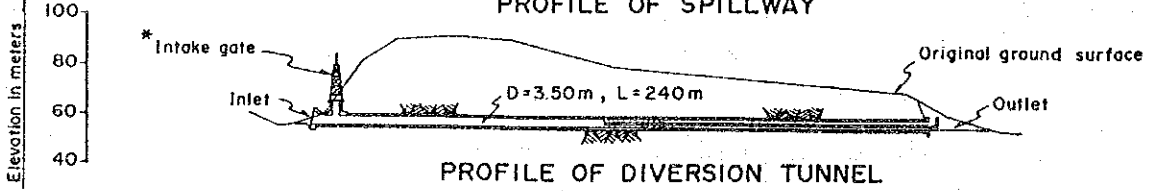
ELEVATION



PROFILE OF DAM



PROFILE OF SPILLWAY



PROFILE OF DIVERSION TUNNEL

Fig. 11.9 LAYOUT PLAN OF STA. MARIA DAM

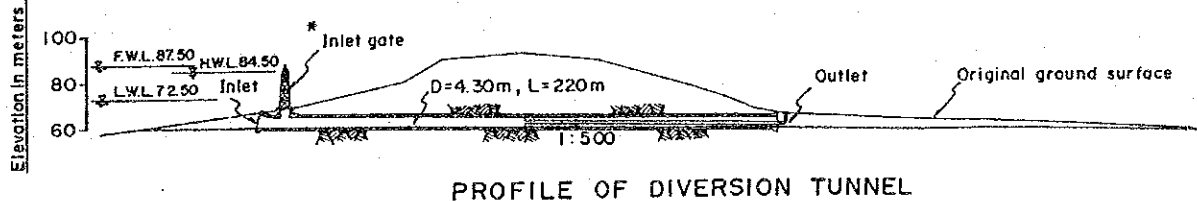
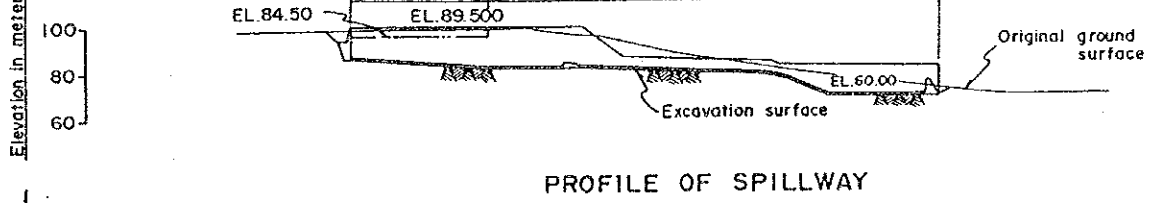
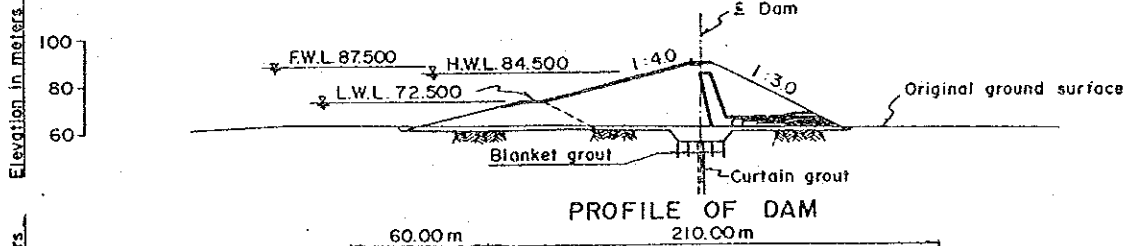
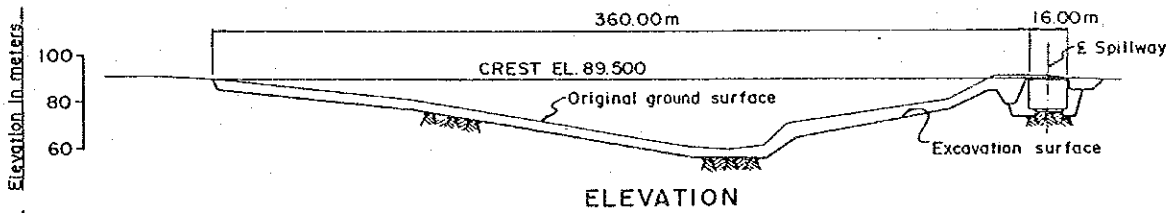
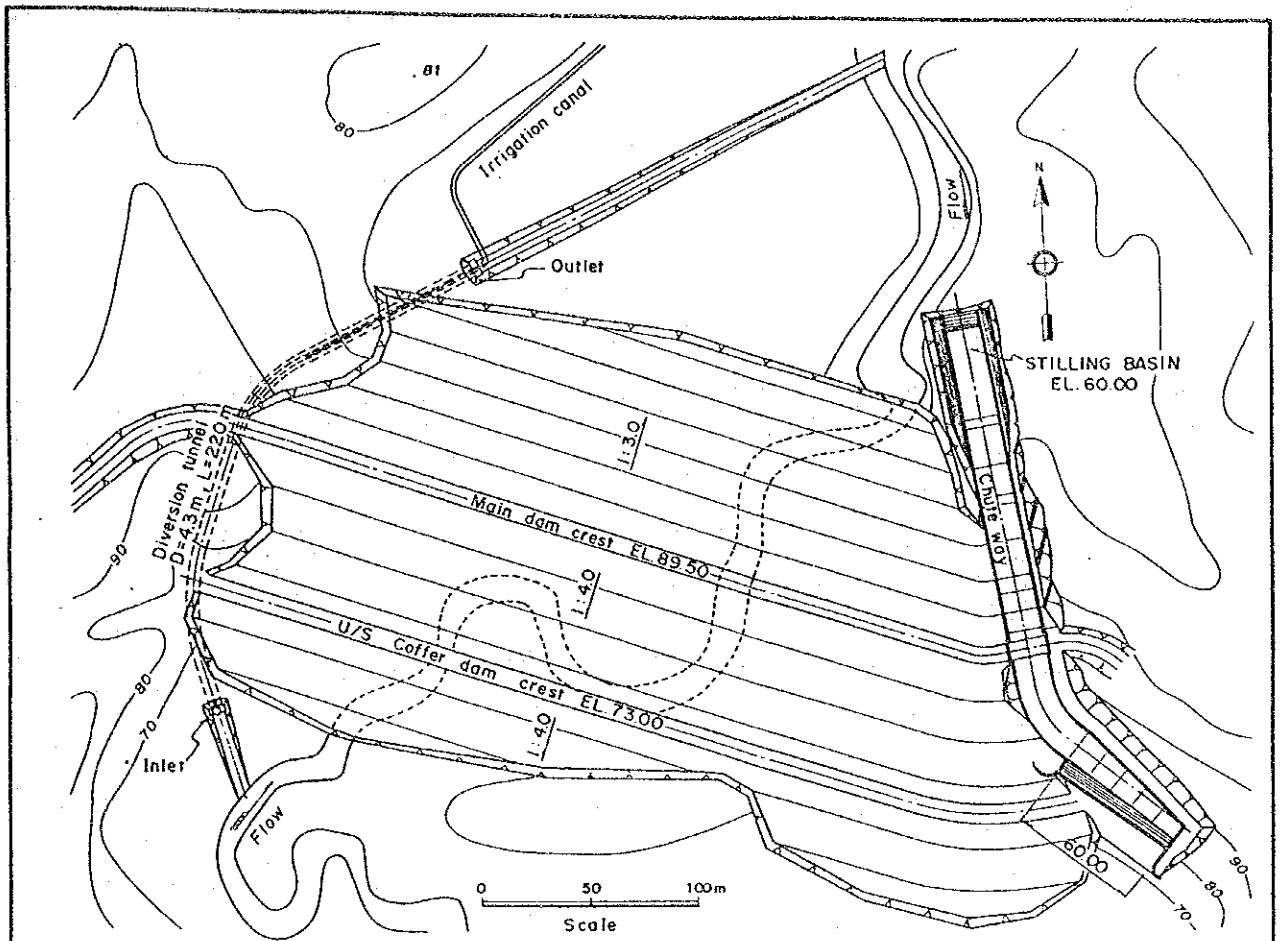
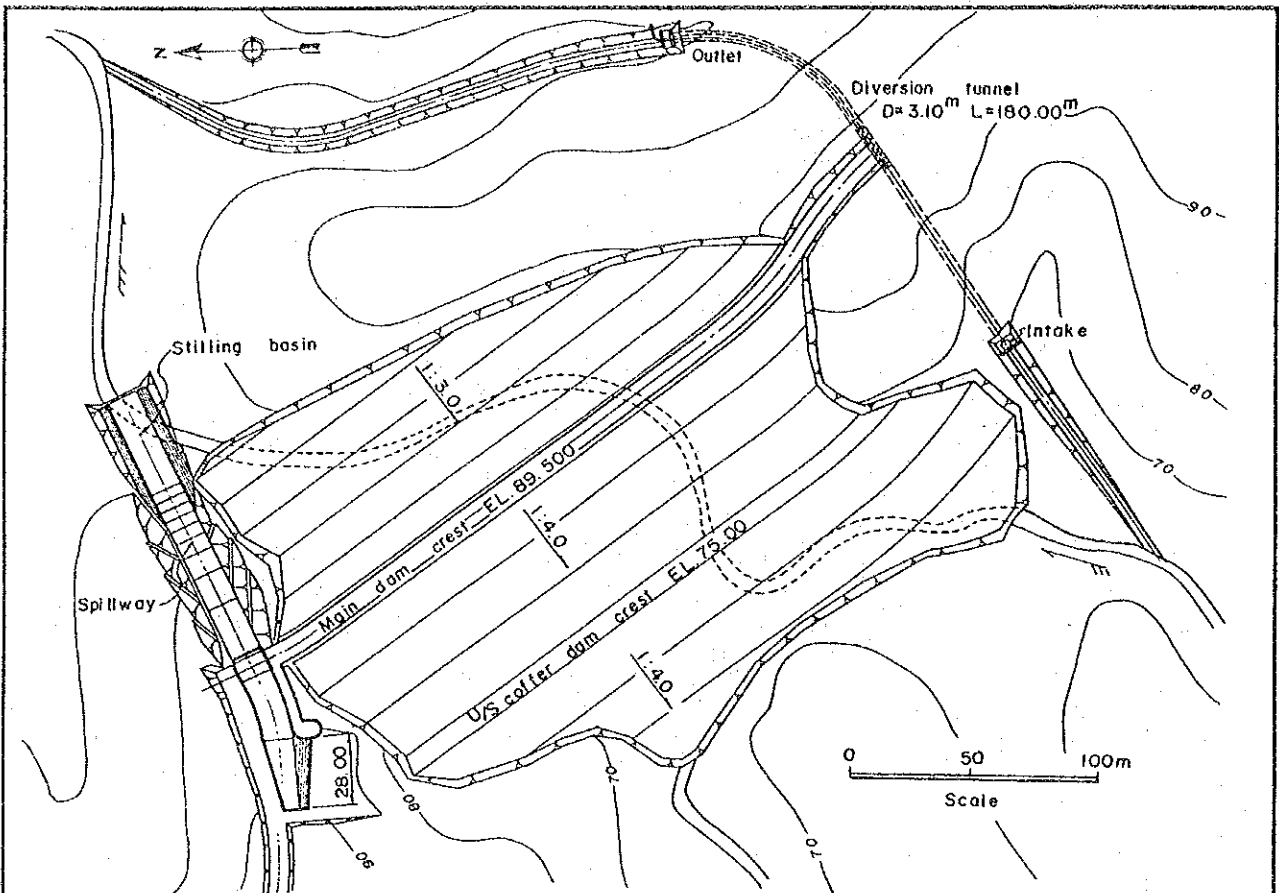
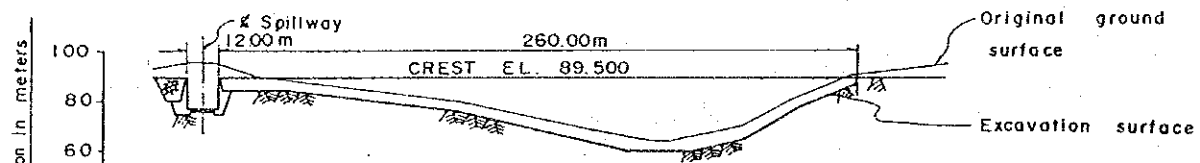


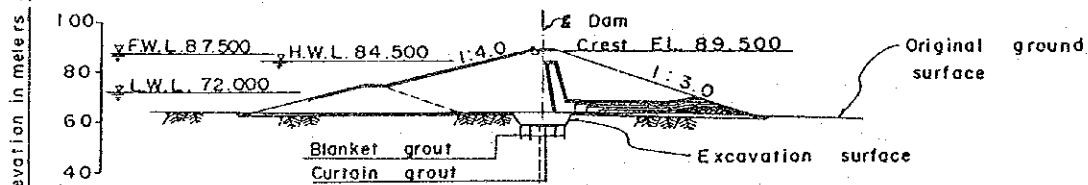
Fig. 11.10 LAYOUT PLAN OF COLORADO DAM



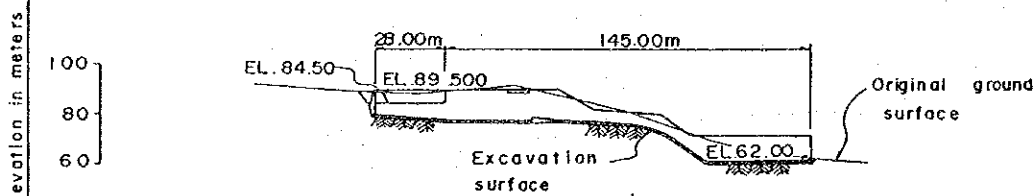
PLAN



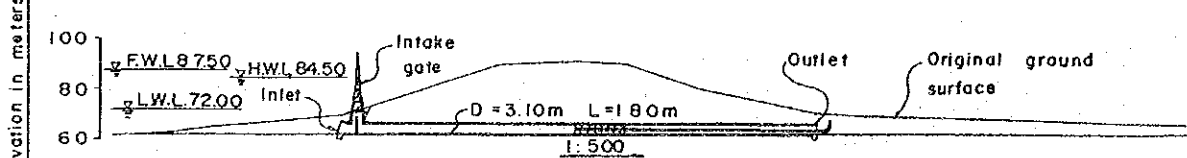
ELEVATION



PROFILE OF DAM



PROFILE OF SPILLWAY



PROFILE OF DIVERSION TUNNEL

Fig. 11.11 LAYOUT PLAN OF CALAOCAN DAM

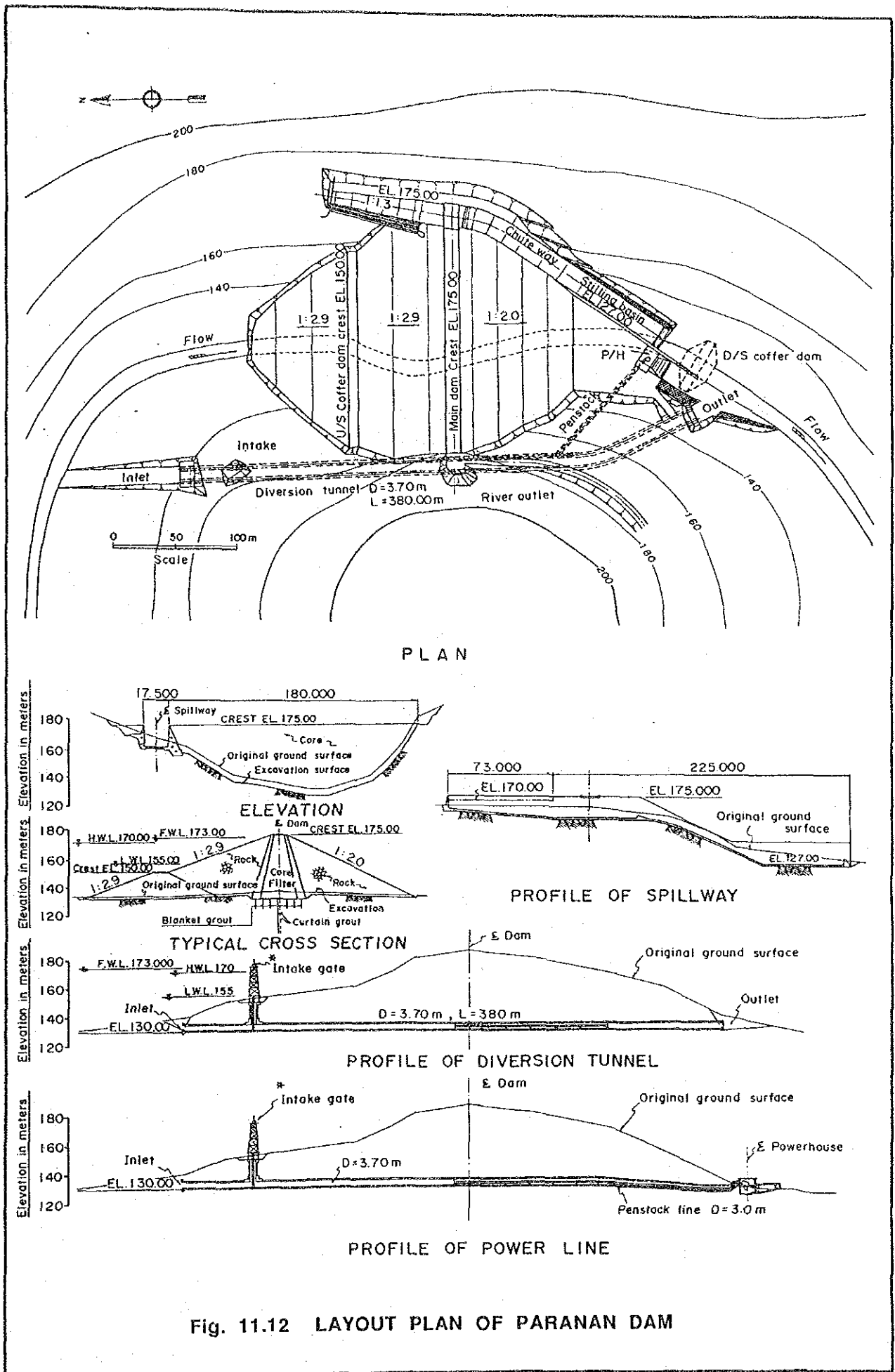
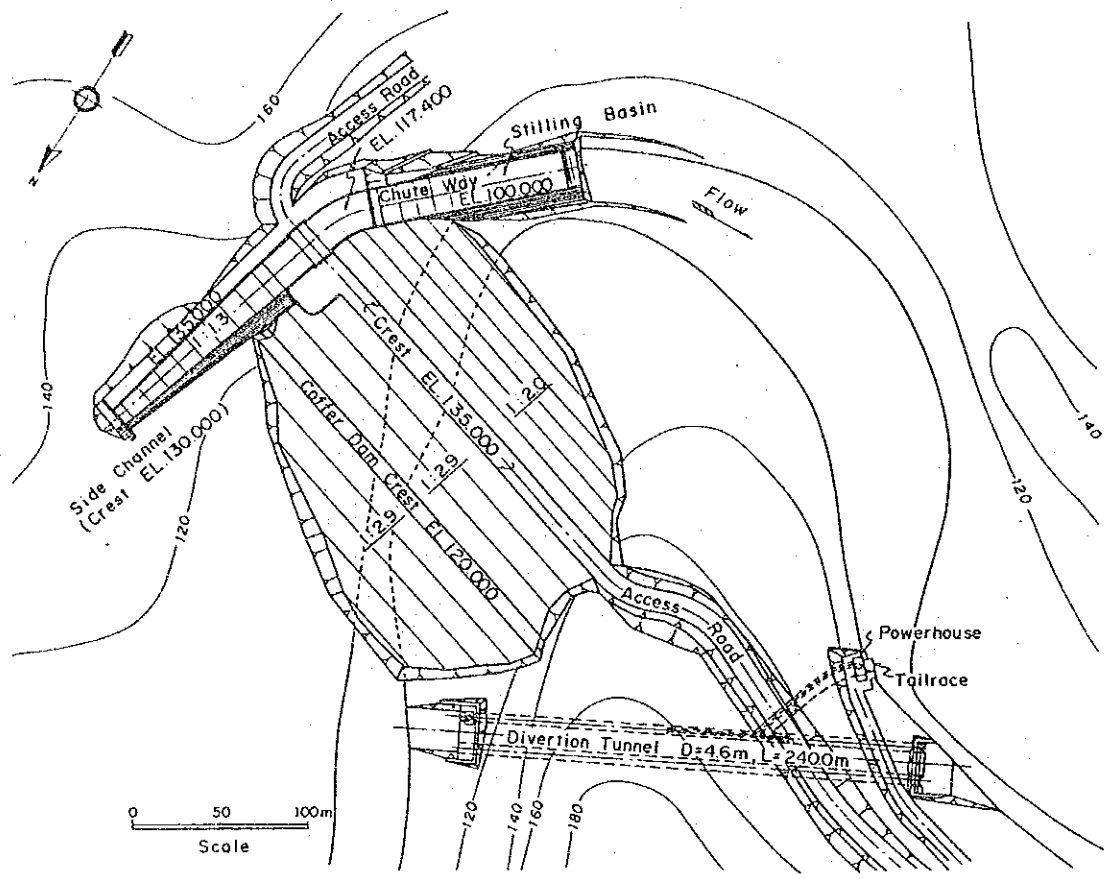
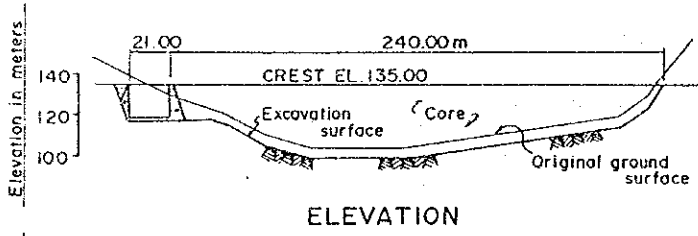


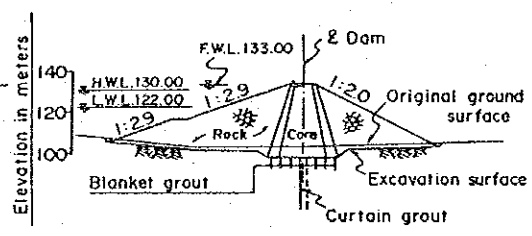
Fig. 11.12 LAYOUT PLAN OF PARANAN DAM



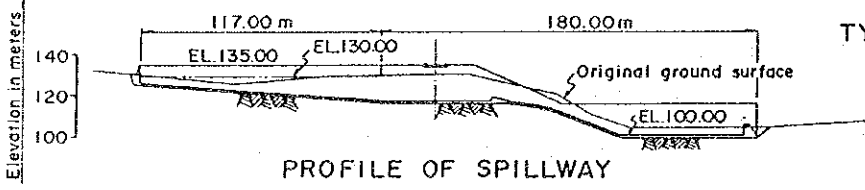
PLAN



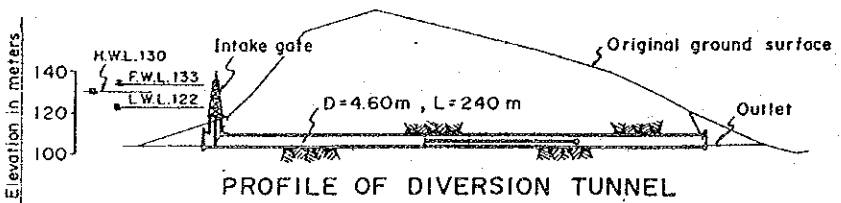
ELEVATION



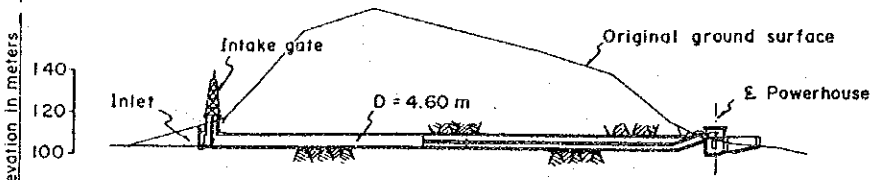
TYPICAL CROSS SECTION



PROFILE OF SPILLWAY

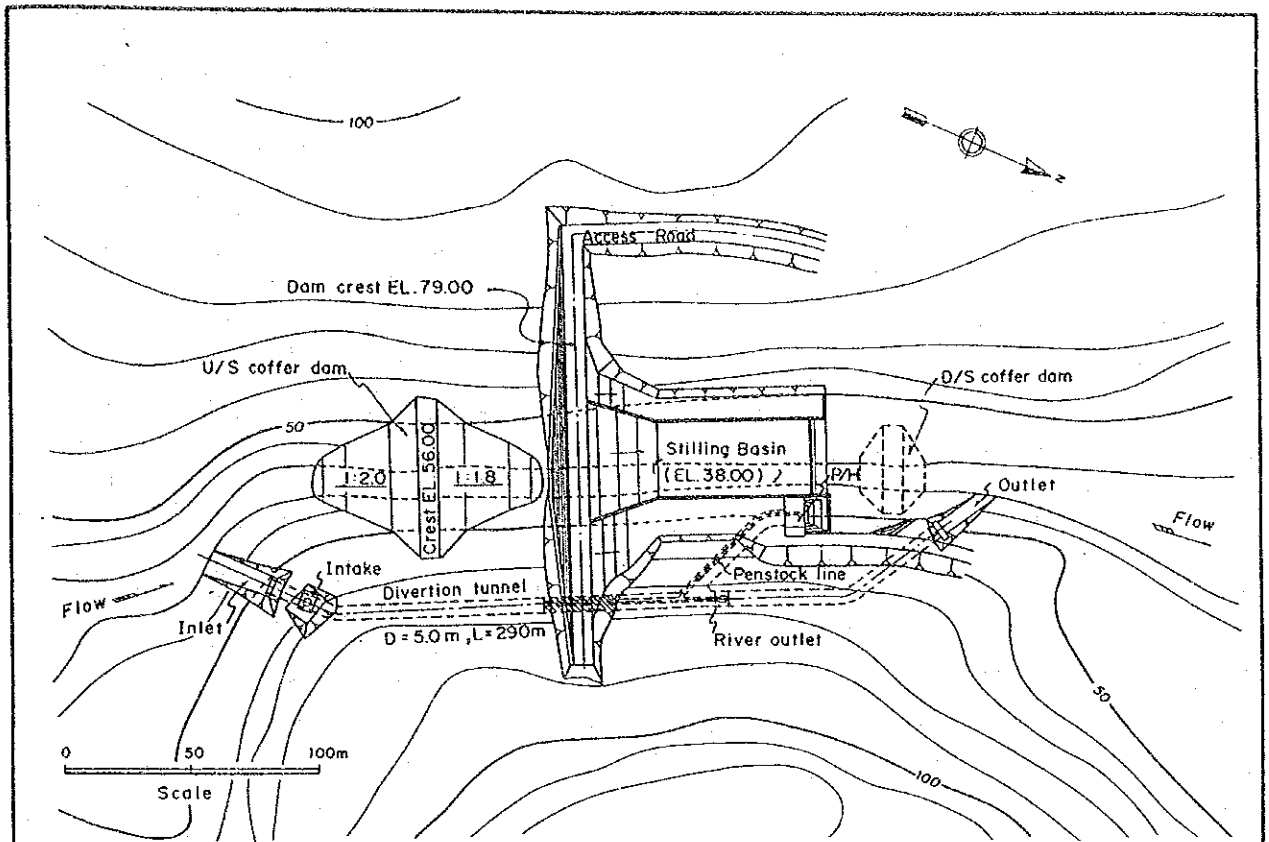


PROFILE OF DIVERSION TUNNEL



PROFILE OF POWERLINE

Fig. 11.13 LAYOUT PLAN OF DUMMON DAM



PLAN

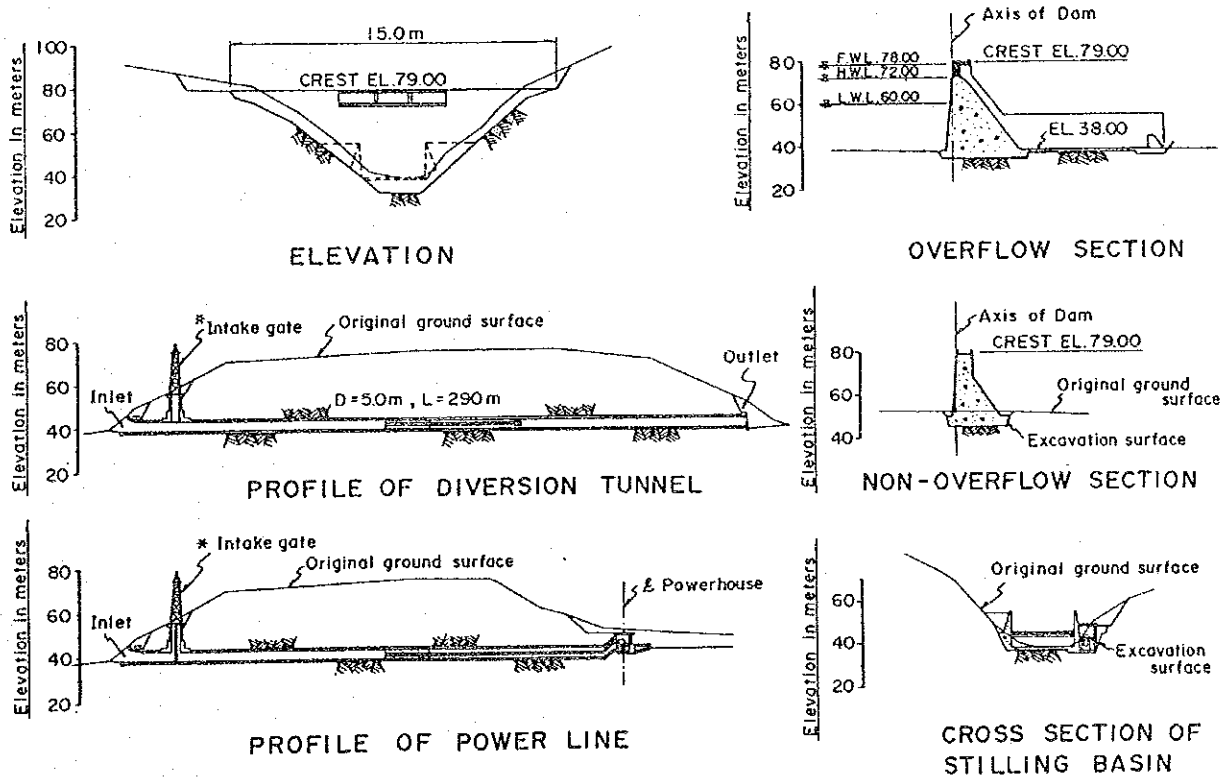
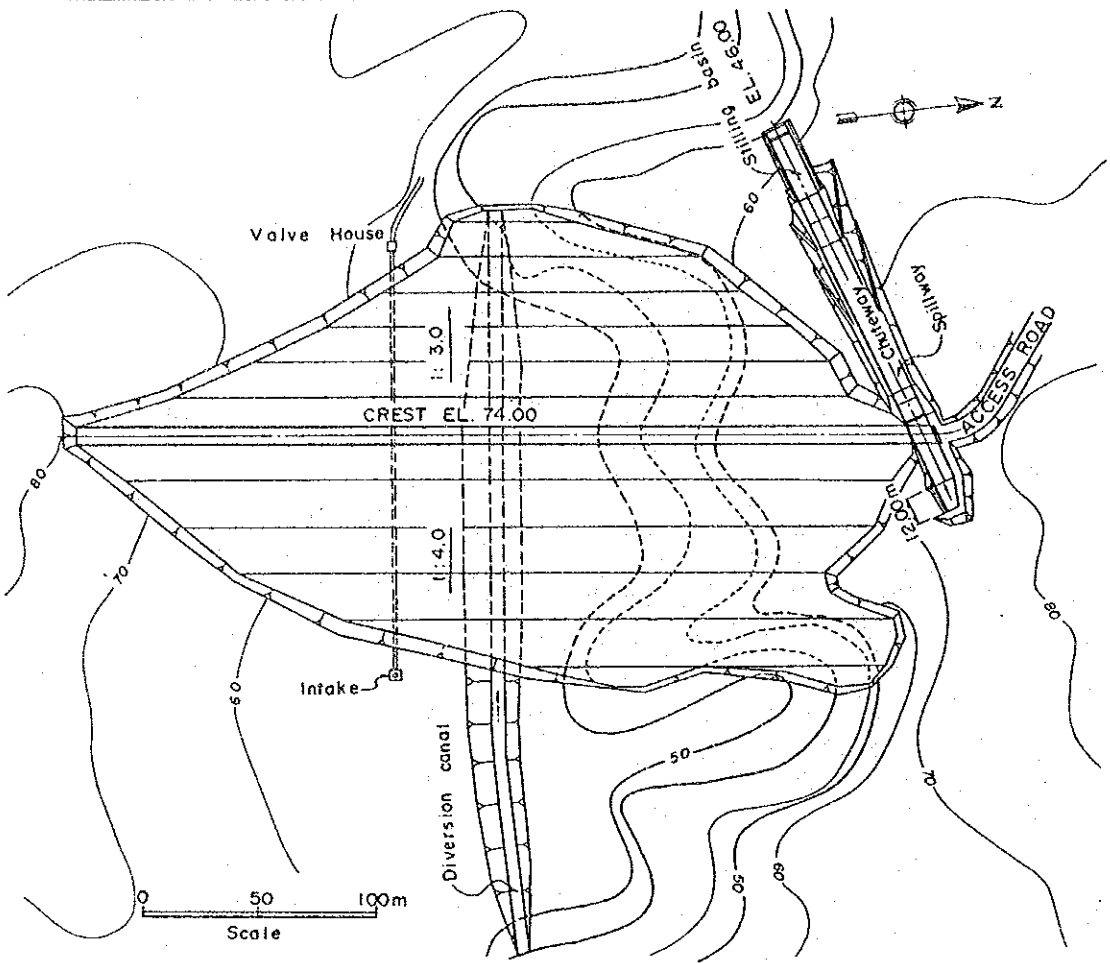
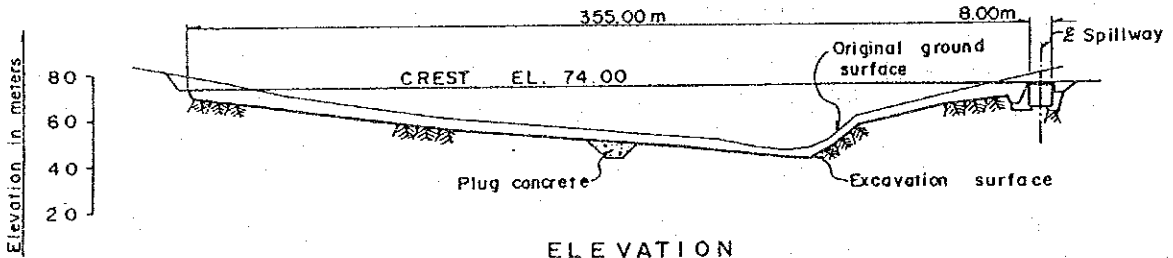


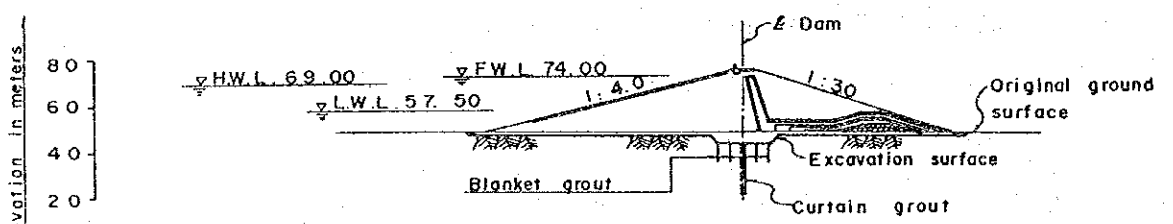
Fig. 11.14 LAYOUT PLAN OF ZINUNDUNGAN DAM



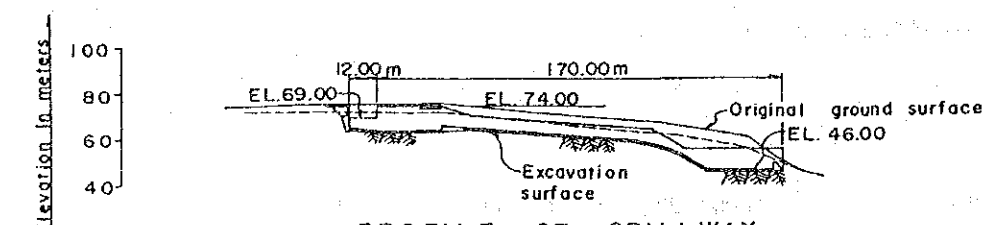
PLAN



ELEVATION

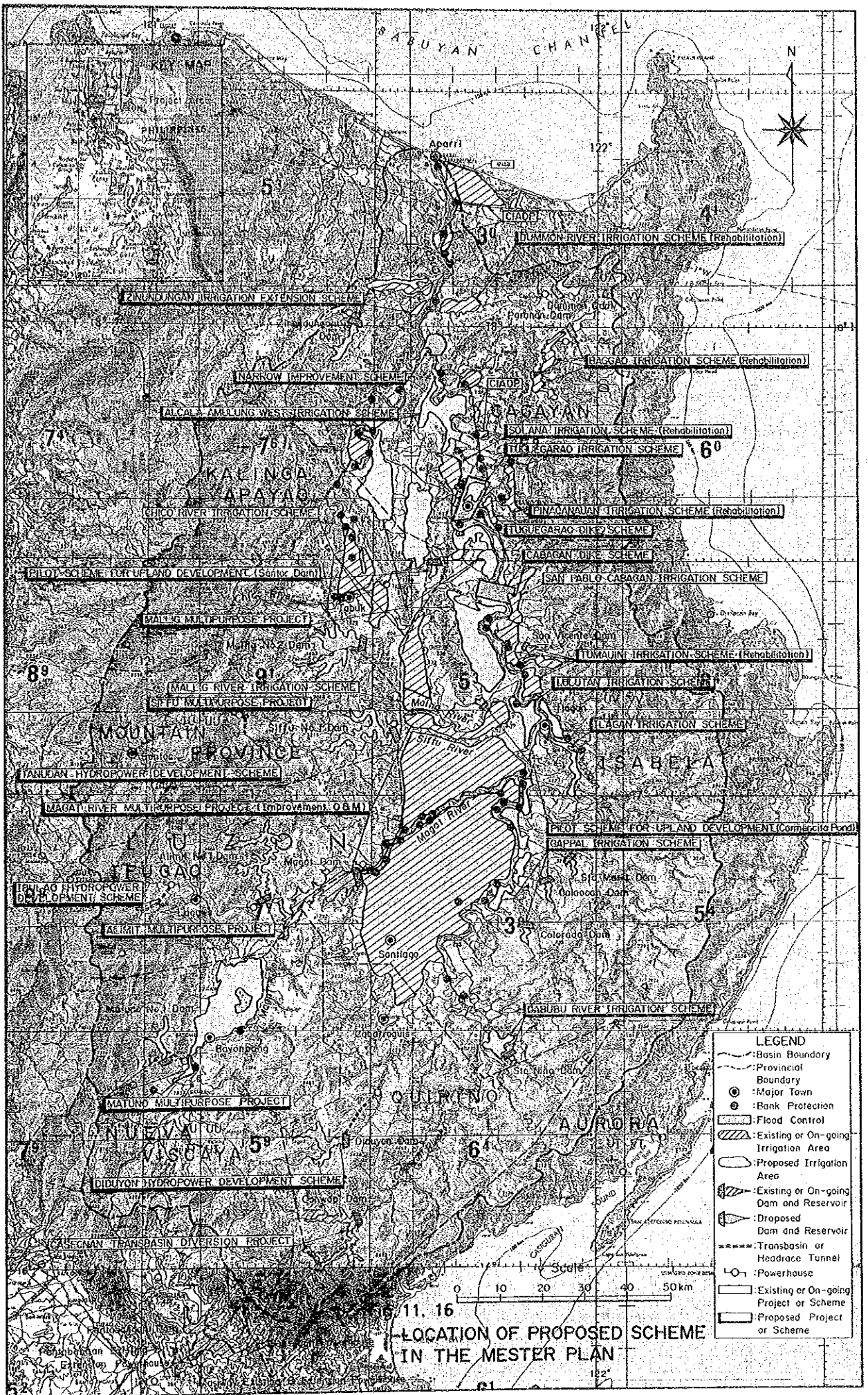


PROFILE OF DAM



PROFILE OF SPILLWAY

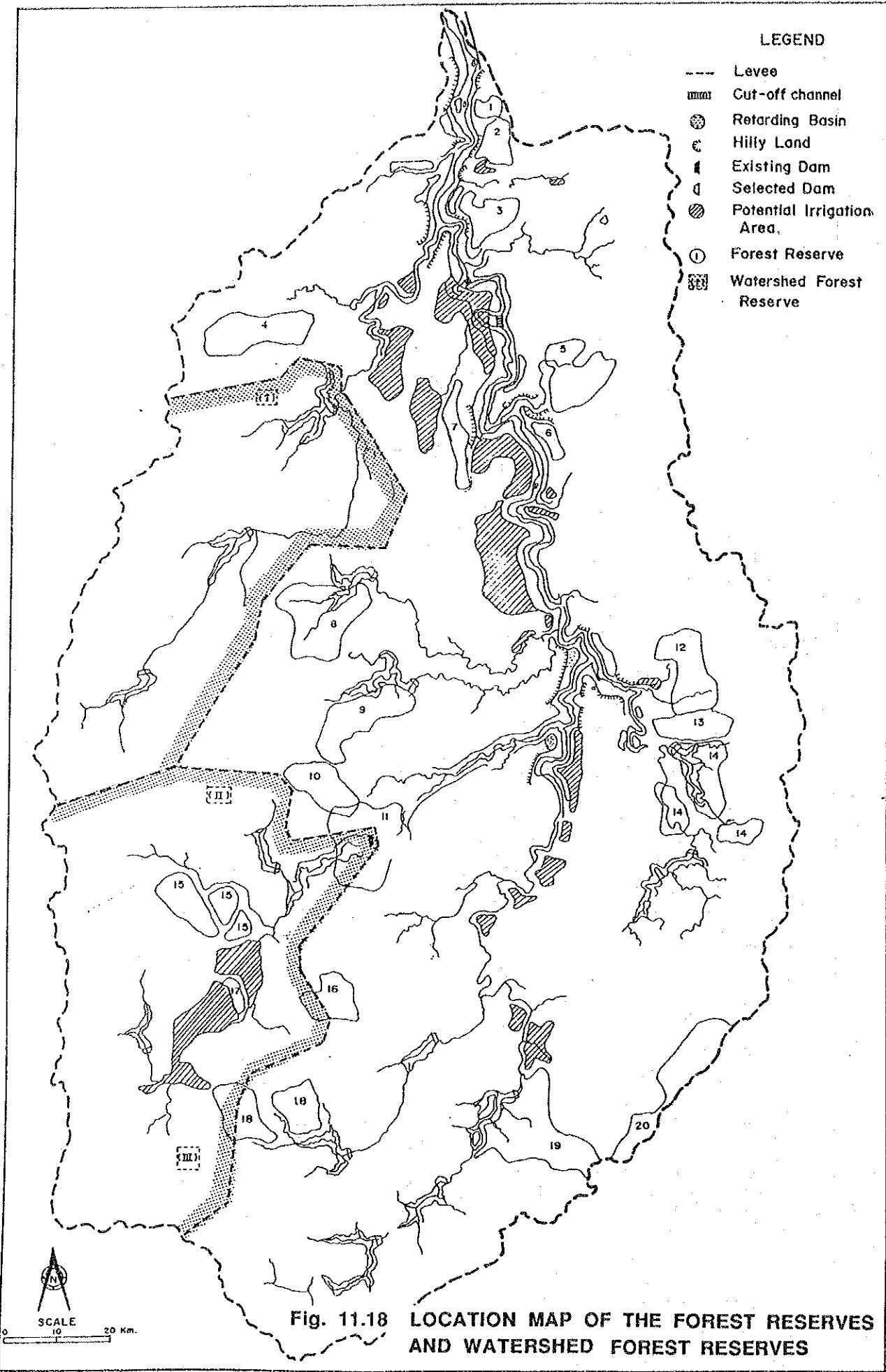
Fig. 11.15 LAYOUT PLAN OF SAN VICENTE DAM



11. 16
 LOCATION OF PROPOSED SCHEME
 IN THE MESTER PLAN

Item	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
I. MULTIPURPOSE PROJECT																			
1. Maling Project (Chico-Maling Irrigation and Flood Control)																			
2. Siftu Project (Flood Control, Hydropower and Subrogate of Magat Reservoir)																			
3. Maturno Project (Hydropower, Maturno Irrigation, M&I Water Supply and Subrogate of Magat Reservoir)																			
4. Allimt Project (Hydropower, Compensation and Subrogate of Magat Reservoir)																			
II. FLOOD CONTROL PROJECT																			
1. Tuguegarao Dike																			
2. Magapit (Nassiping Left, NLL)																			
3. Bank Protection																			
4. Cabagan Dike																			
5. Magapit (Nassiping Right, NLR)																			
III. IRRIGATION PROJECT																			
1. Pinacanaun RIS																			
2. Dibutib RIP																			
3. Luidtan IP																			
4. Solana IS																			
5. Geppal IP																			
6. Ilagan IP																			
7. Tuguegarao IP																			
8. Alicia Amulung West IP																			
9. Bagaois (With Hydropower)																			
10. Dumnon RIS (With Hydropower)																			
11. Tumadai IS																			
12. Zihundungan IEP (With Hydropower)																			
13. Magat O & M Improvement																			
IV. HYDROPOWER (BY LHPPS Results)																			
1. Ibulao																			
2. Tanedán																			
3. Didayon																			

Fig. 11.17 IMPLEMENTATION SCHEDULE FOR MASTER PLAN



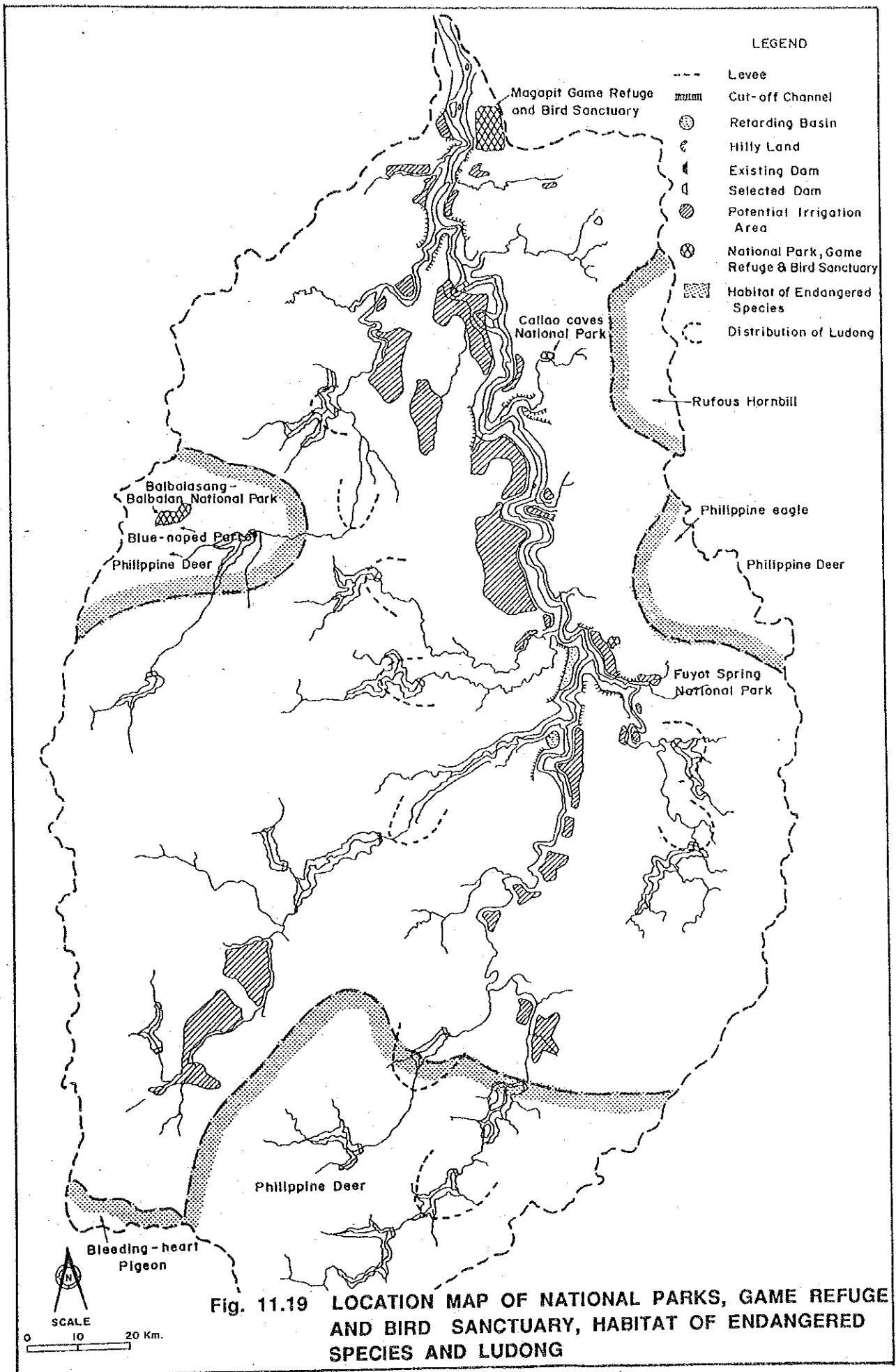
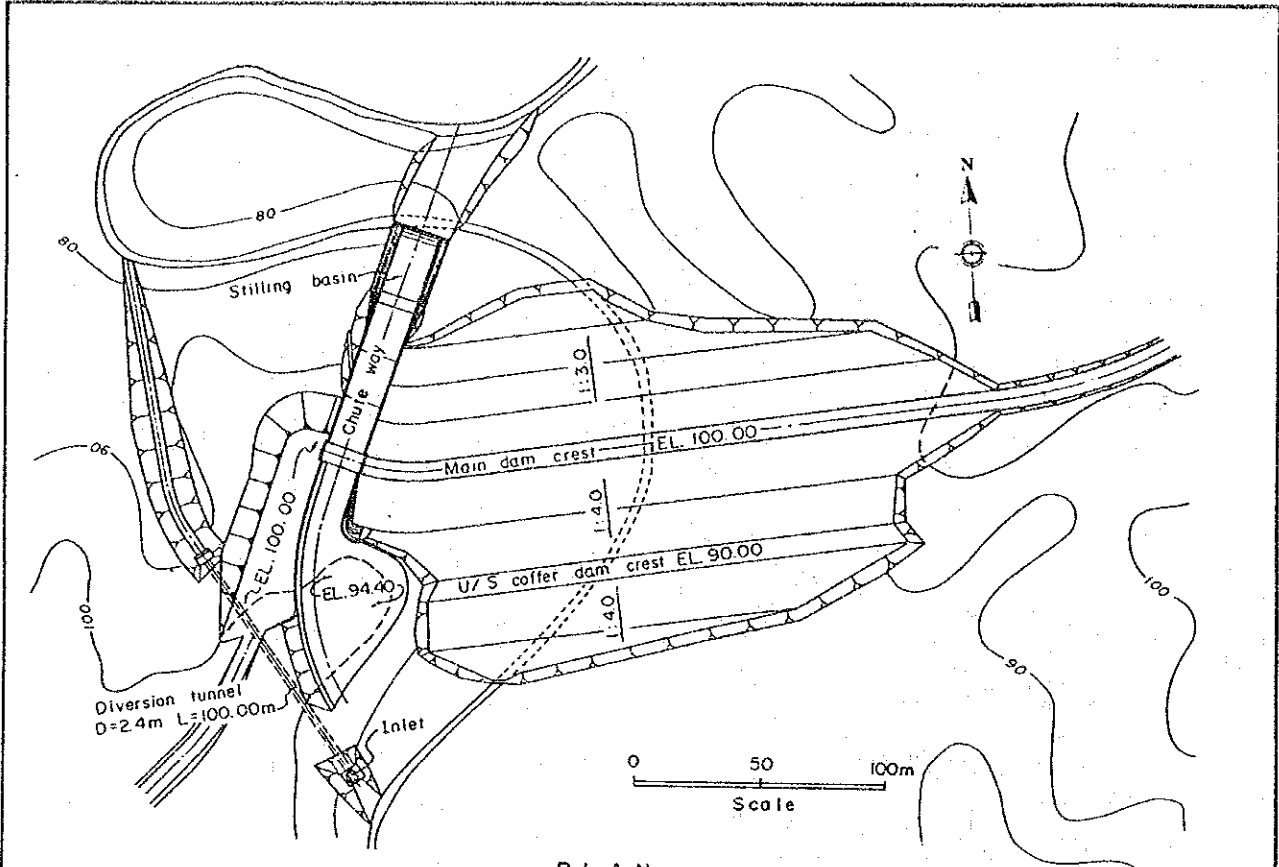
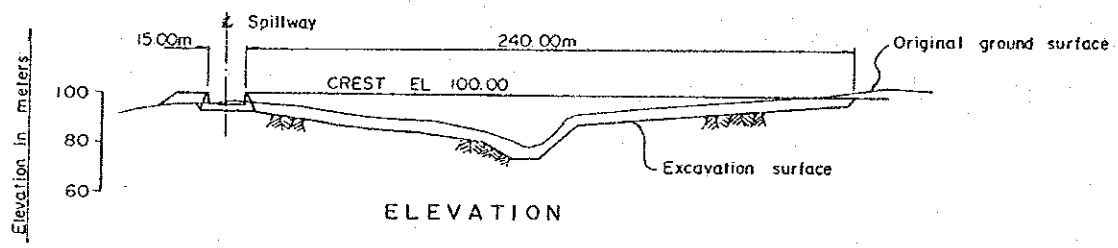


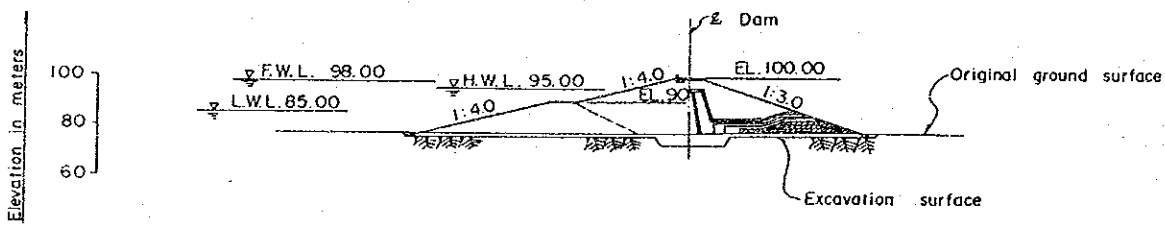
Fig. 11.19 LOCATION MAP OF NATIONAL PARKS, GAME REFUGE AND BIRD SANCTUARY, HABITAT OF ENDANGERED SPECIES AND LUDONG



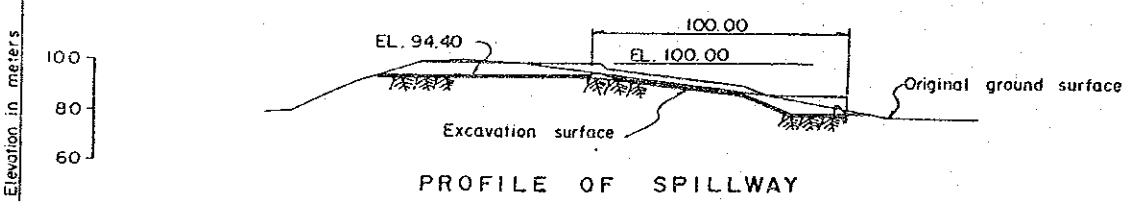
PLAN



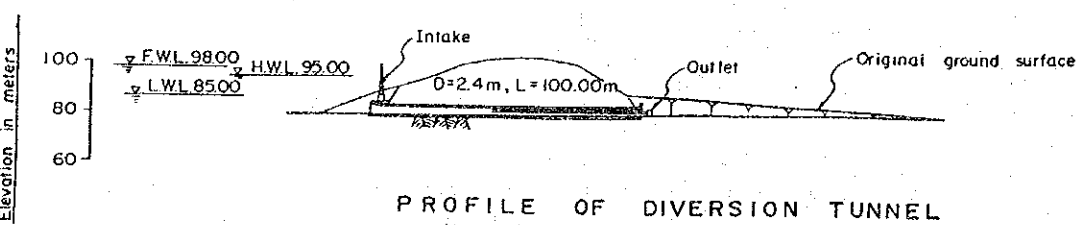
ELEVATION



PROFILE OF DAM

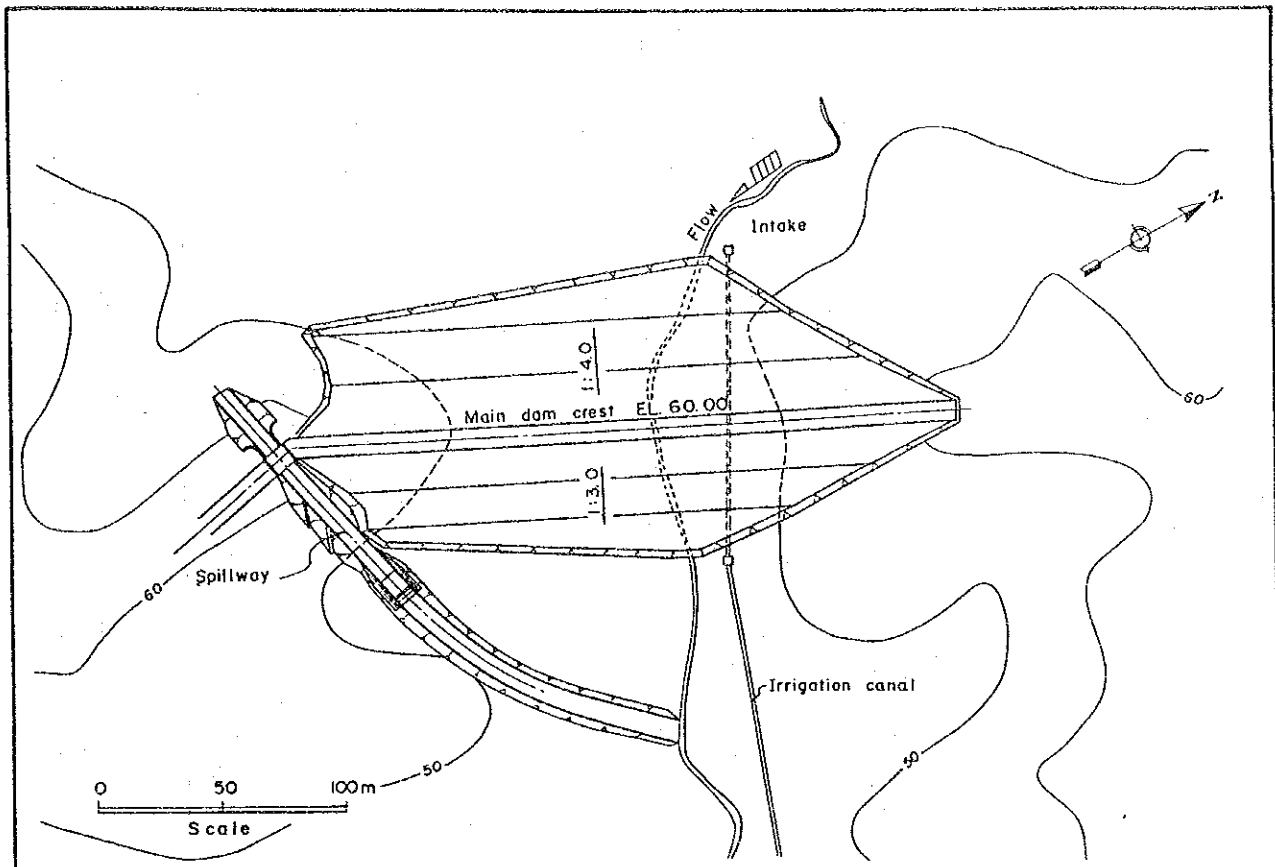


PROFILE OF SPILLWAY

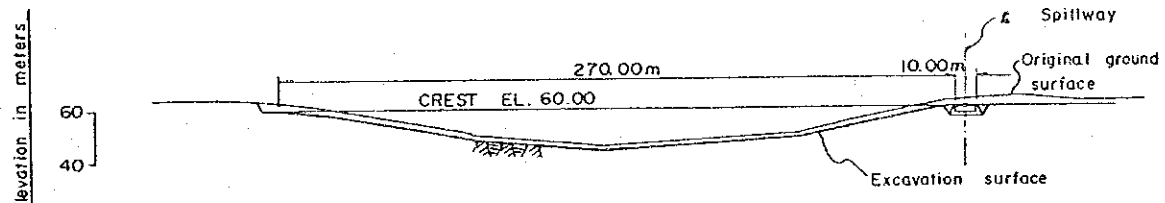


PROFILE OF DIVERSION TUNNEL

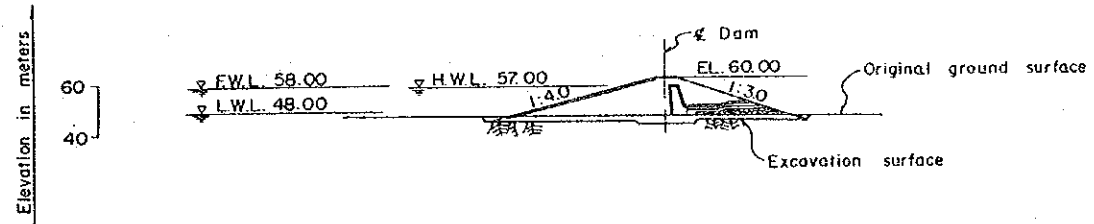
Fig. 12.1 LAYOUT PLAN OF SANTOR DAM



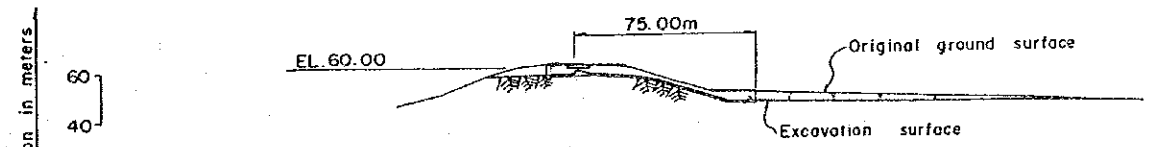
PLAN



ELEVATION



PROFILE OF DAM



PROFILE OF SPILLWAY

Fig. 12.2 LAYOUT PLAN OF CARMENCITA POND

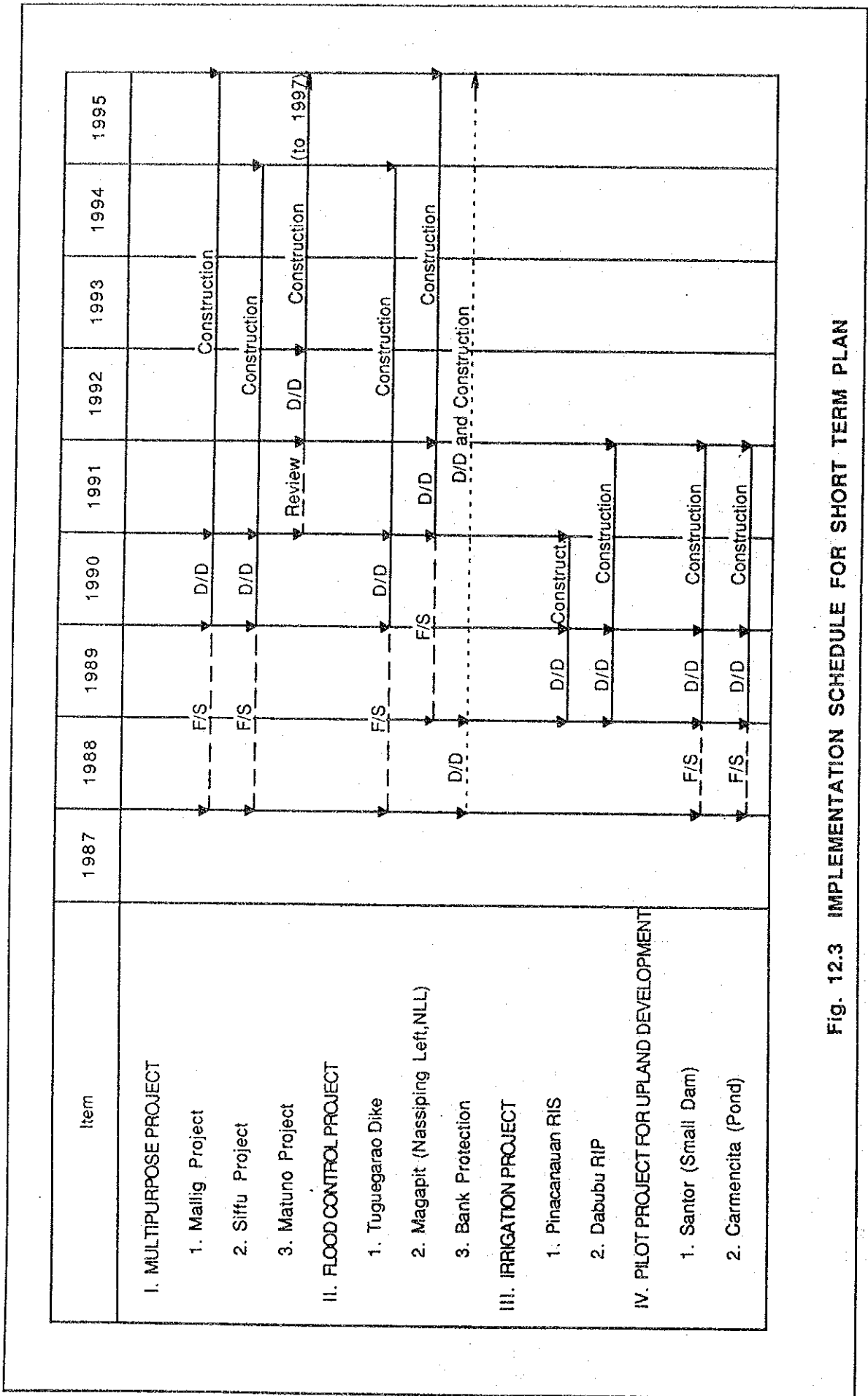


Fig. 12.3 IMPLEMENTATION SCHEDULE FOR SHORT TERM PLAN

