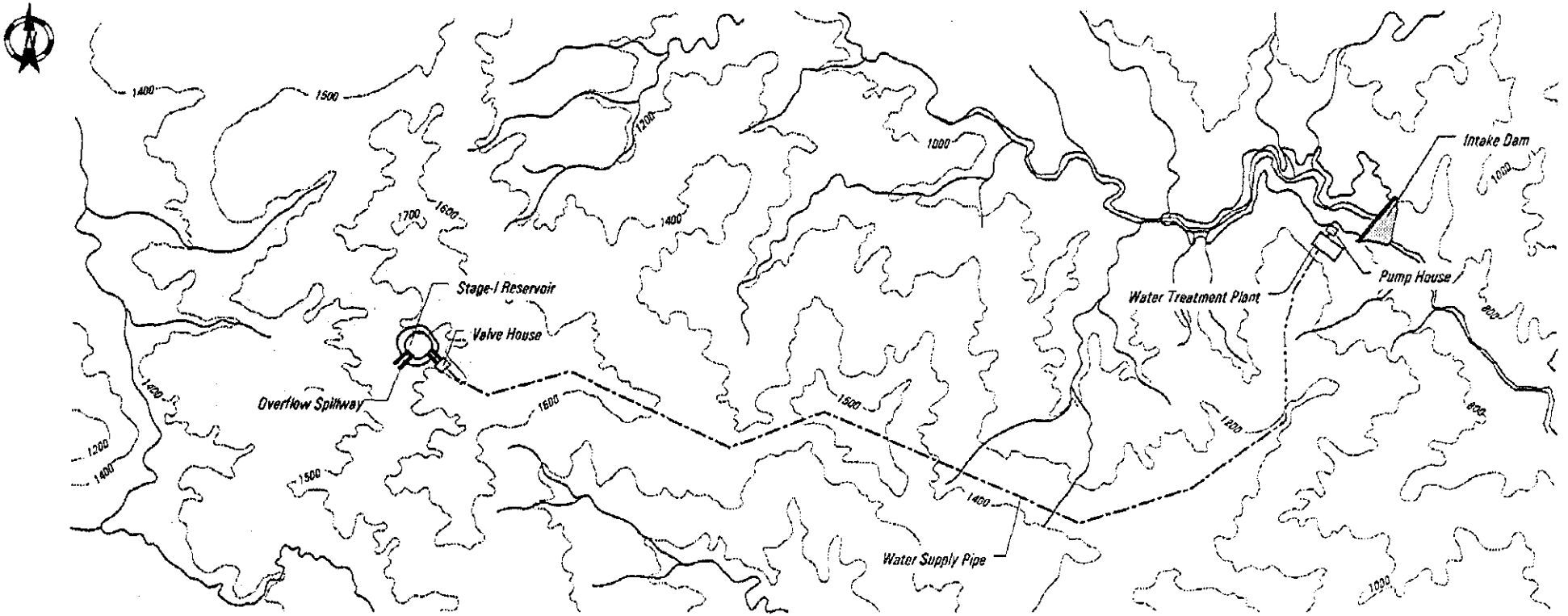
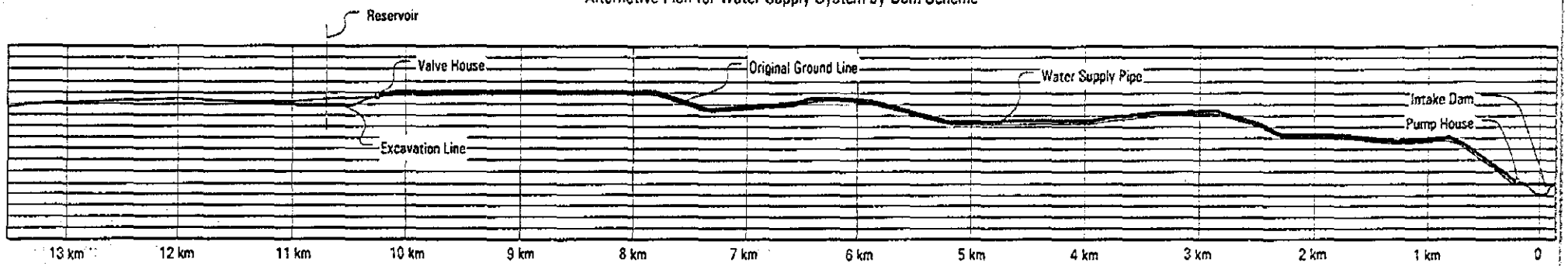


Alternative Plan for Water Supply System by Dam Scheme



Profile for Water Supply System by Dam Scheme

Scale 0 1 km 2 km 3 km
(1 : 50,000)

Figure D-42 ALIGNMENT AND PROFILE OF LABOY DAM WATER SUPPLY PROJECT FOR BAGUIO CITY

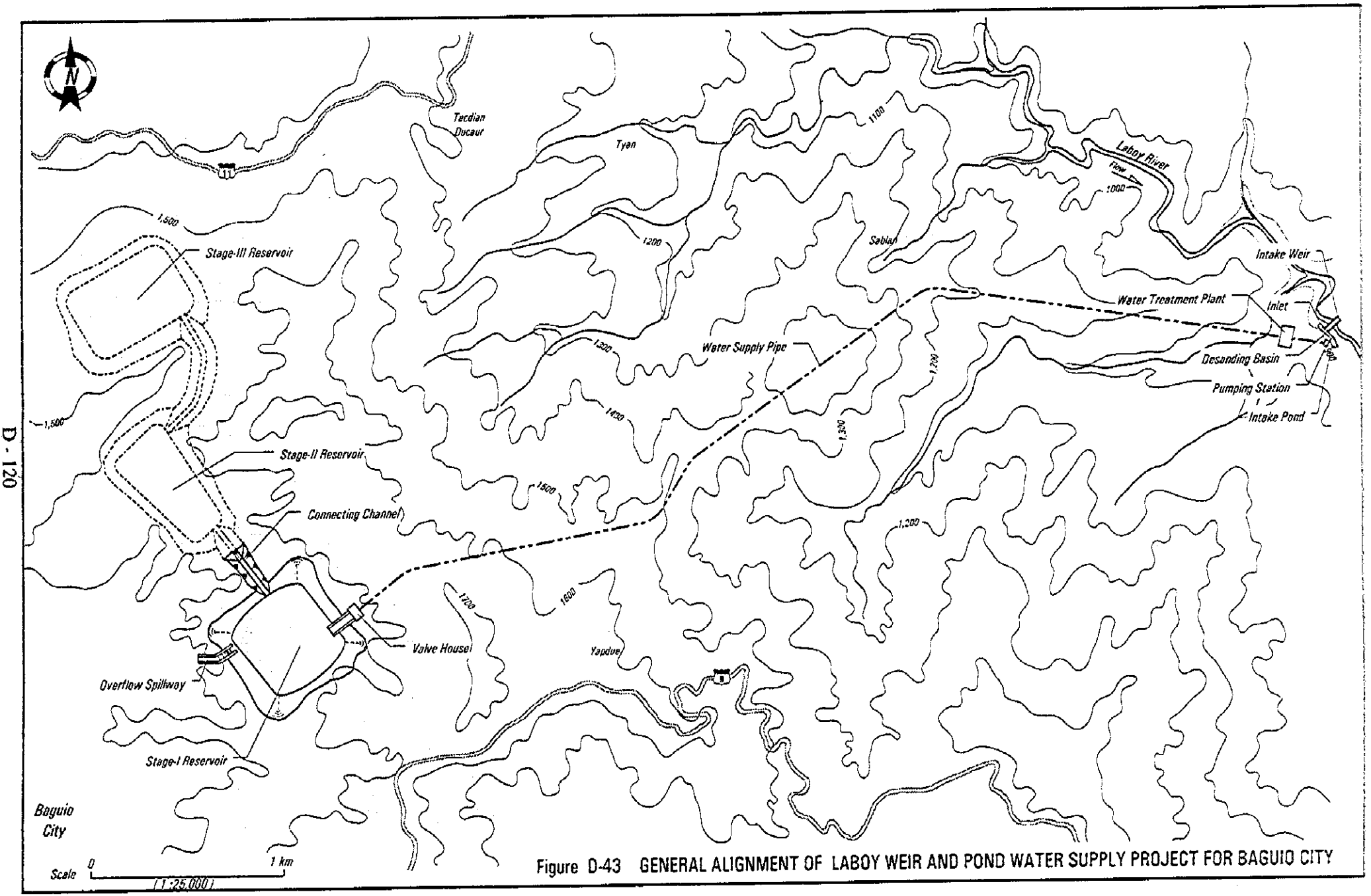
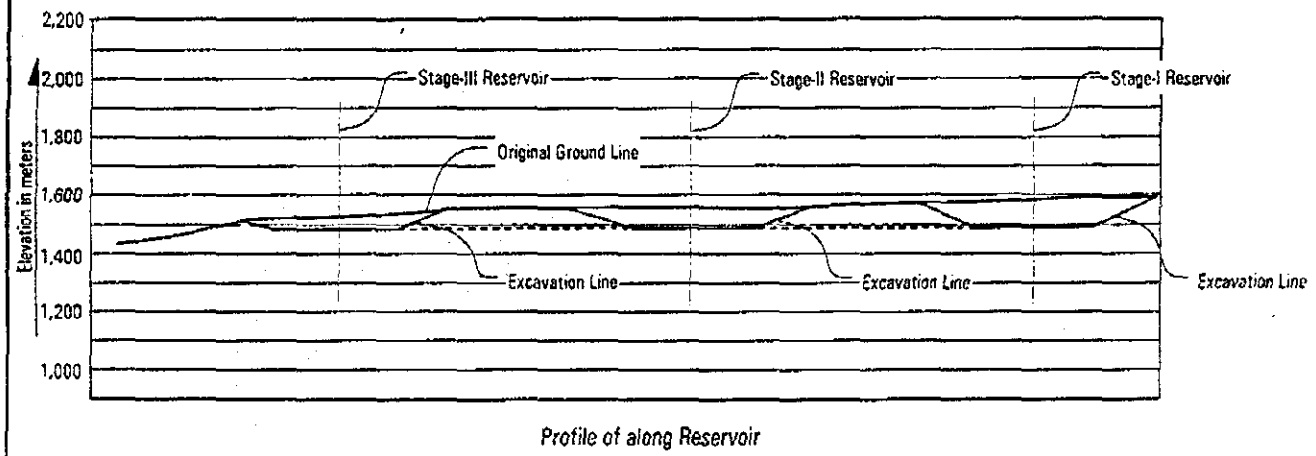
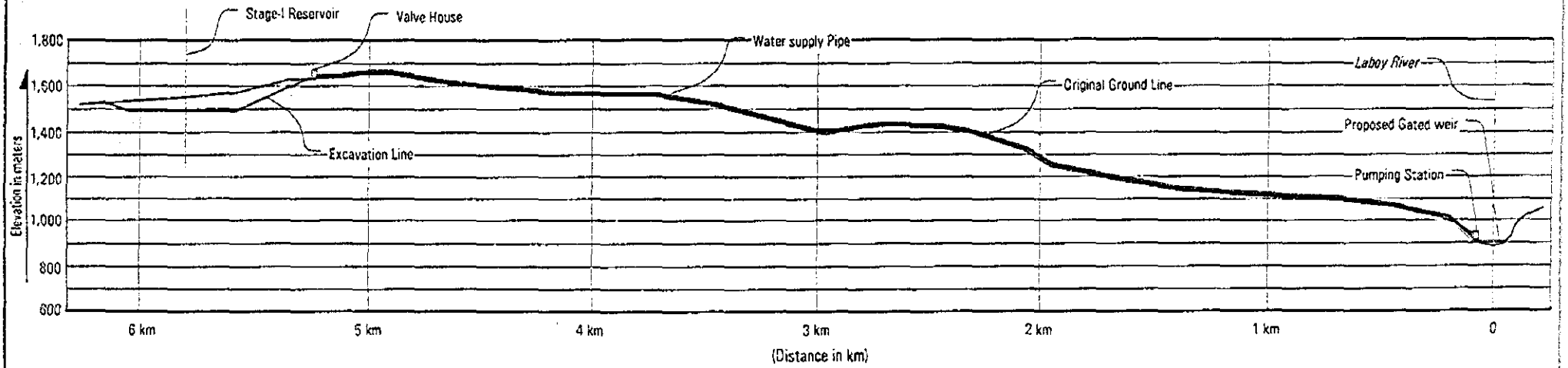


Figure D-43 GENERAL ALIGNMENT OF LABOY WEIR AND POND WATER SUPPLY PROJECT FOR BAGUIO CITY

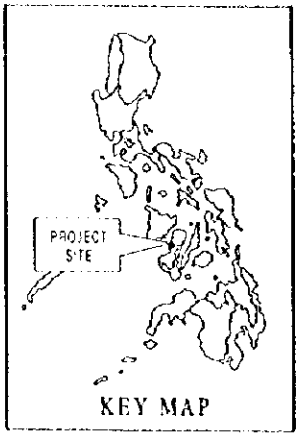


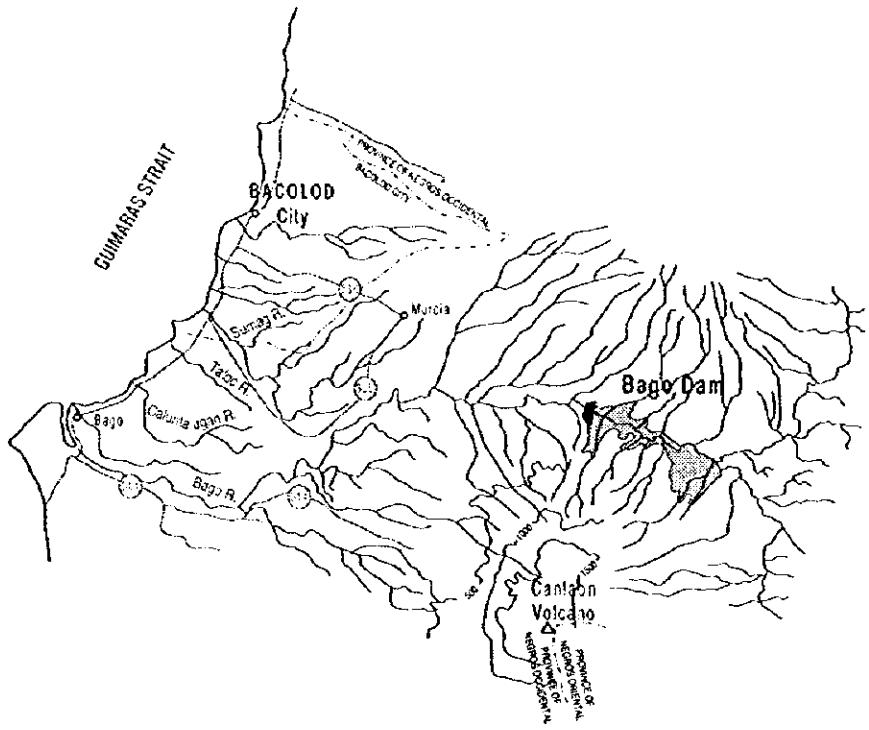
Profile of along Reservoir



Profile of along Main Water Supply Pipe

Figure D-44 PROFILE OF POND AND PIPELINE OF LABOY WEIR AND POND WATER SUPPLY PROJECT FOR BAGUIO CITY





Scale
0 5 10 15 Km

Figure D-45 BAGO DAM PROJECT FOR BACOLOD CITY WATER SUPPLY

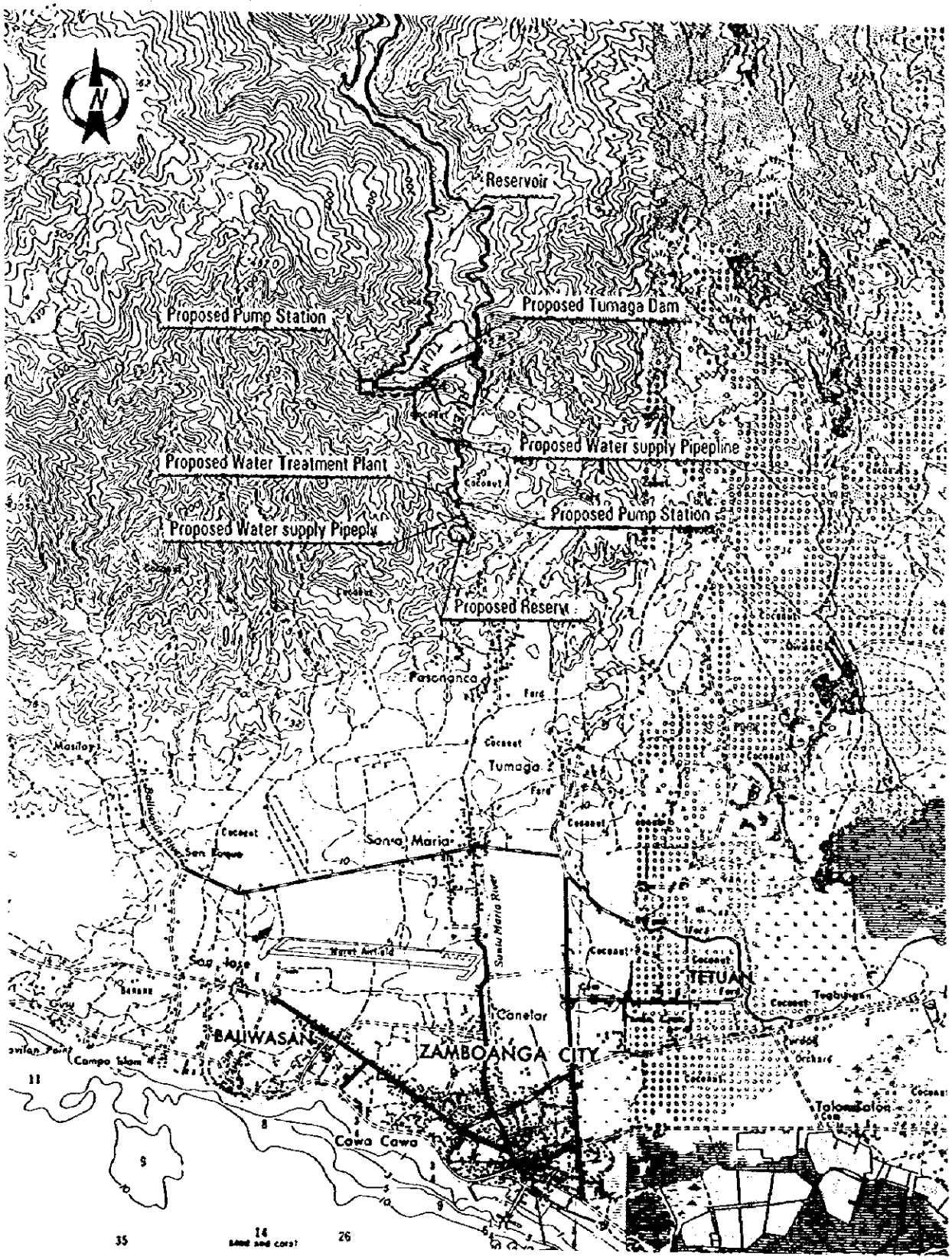
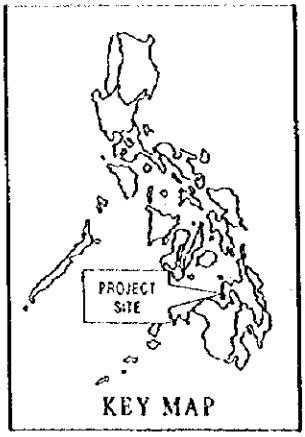
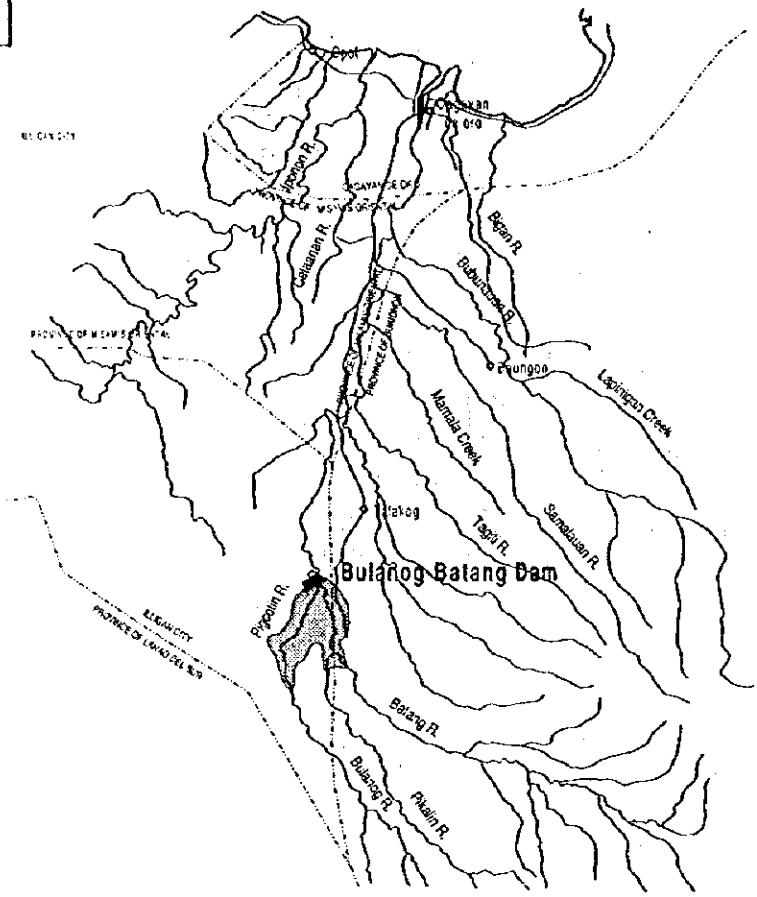


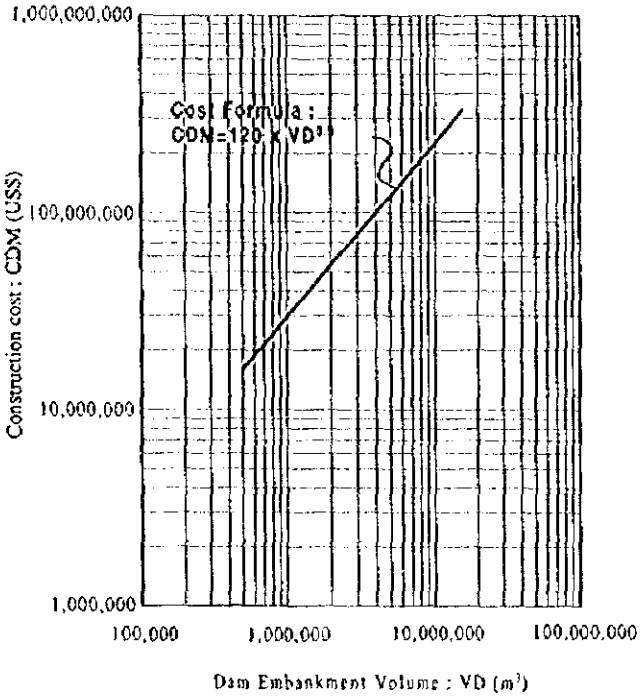
Figure D-46 TUMAGA DAM PROJECT FOR ZAMBOANGA CITY WATER SUPPLY



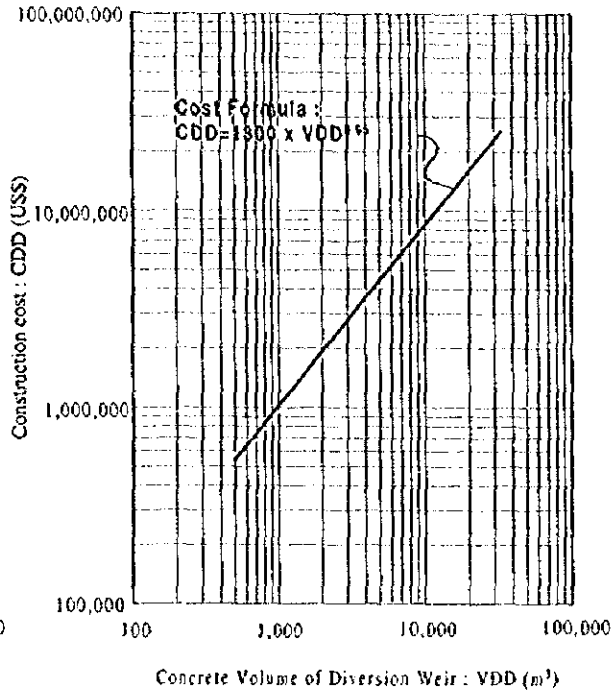


Scale
0 5 10 15 Km

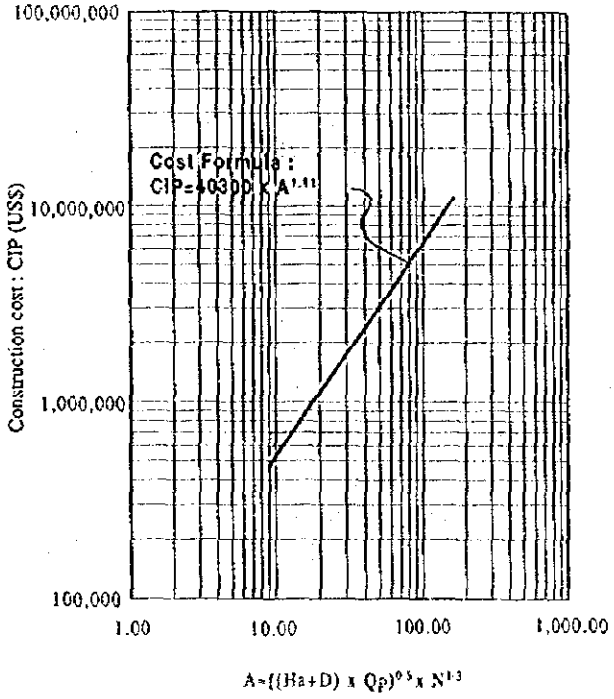
Figure D-47 BULANG-BATANG DAM PROJECT FOR CAGAYAN DE ORO CITY WATER SUPPLY



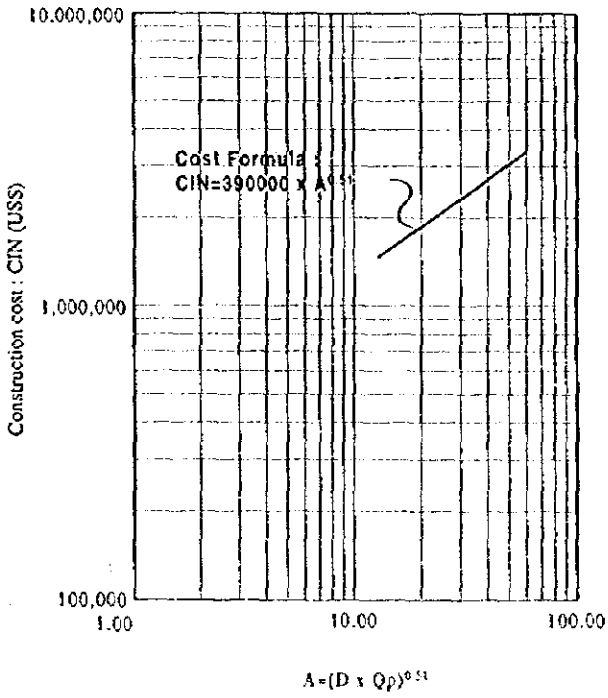
Cost Formula for Storage Dam and Rockfill Dam



Cost Formula
for Diversion Weir and Concrete Gravity Dam

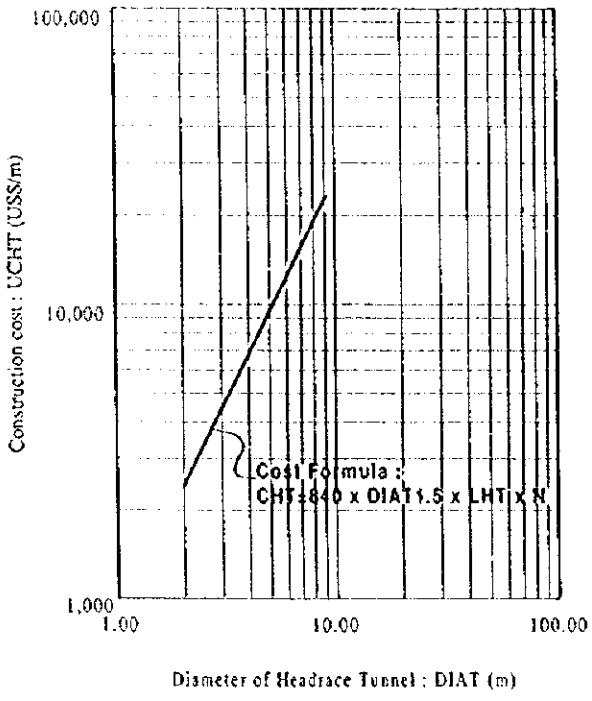


Cost Formula for Intake (Pressure Type)

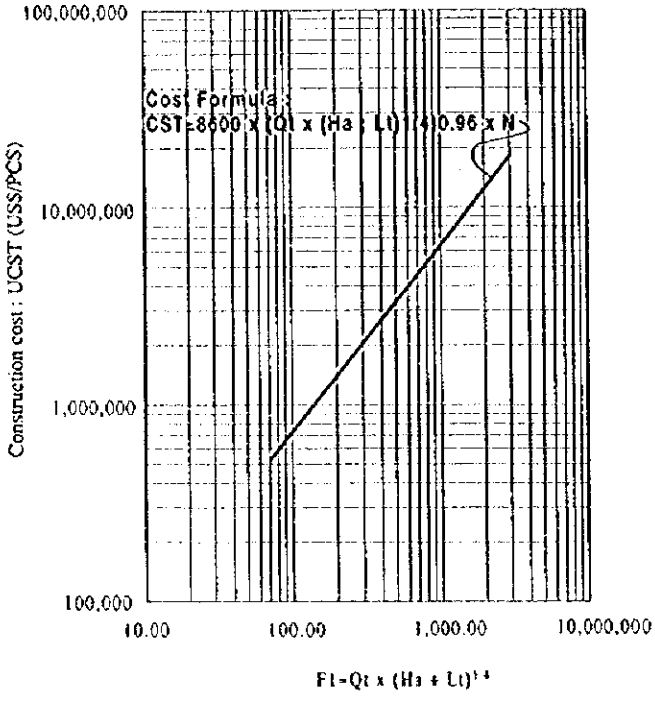


Cost Formula for Intake (Non-Pressure Type)

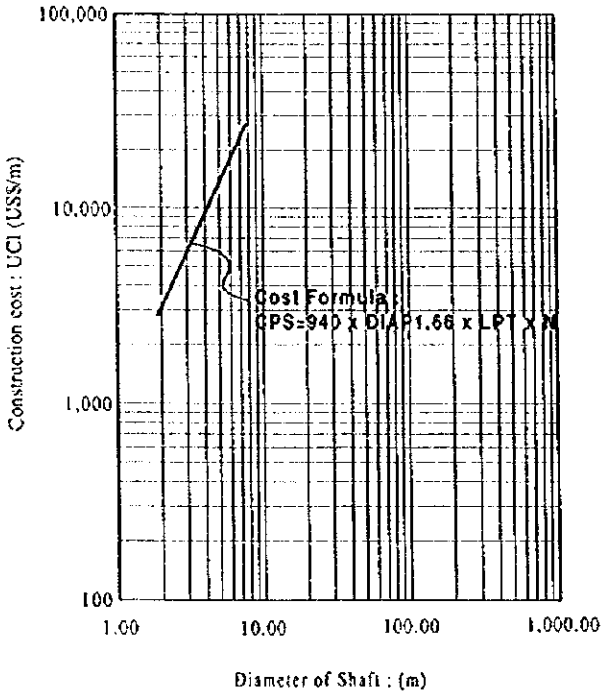
Fig. D-48 COST FORMULA FOR MAIN CIVIL STRUCTURES AND HYDROMECHANICAL EQUIPMENT (1/3)



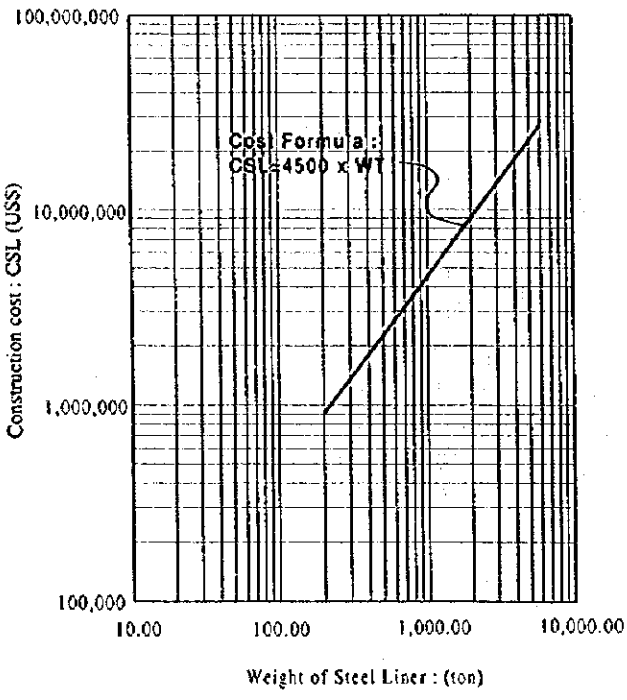
Cost Formula for Headrace Tunnel



Cost Formula for Surge Tank

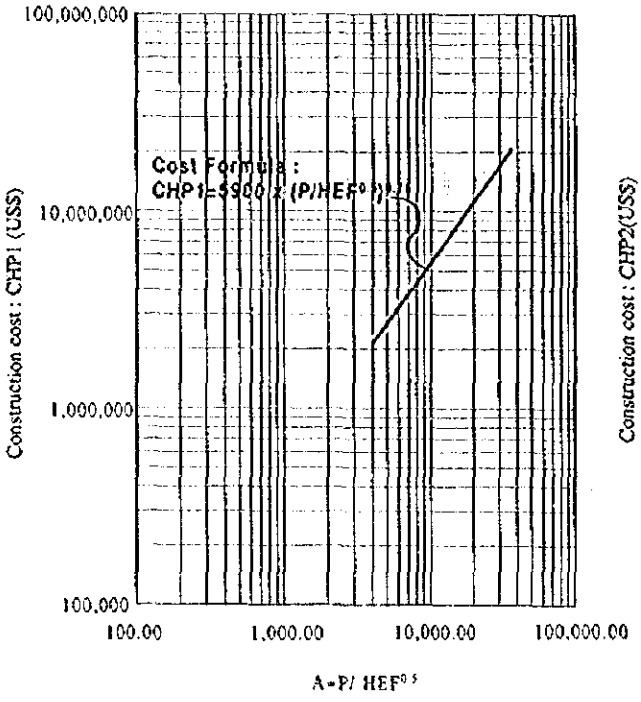


Cost Formula for Intake (Pressure Shaft)

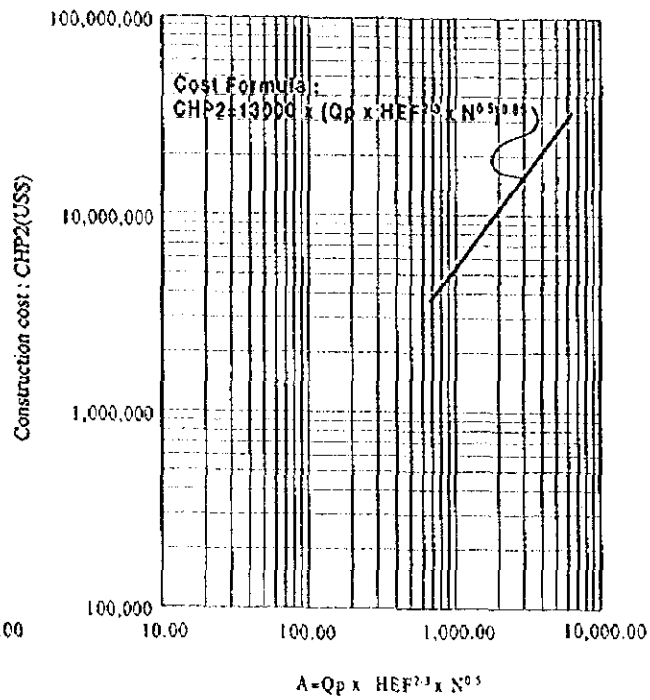


Cost Formula for Steel Liner

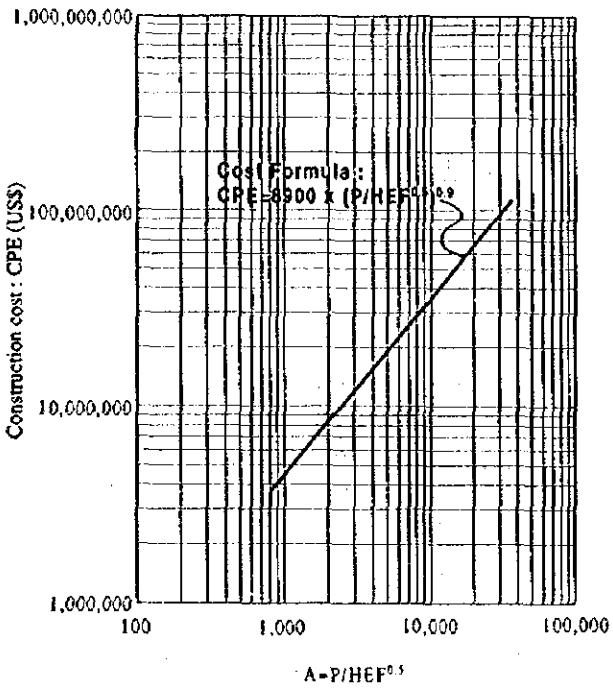
Fig. D-48 COST FORMULA FOR MAIN CIVIL STRUCTURES AND HYDROMECHANICAL EQUIPMENT (2/3)



Cost Formula for Powerhouse (Superstructure)



Cost Formula for Powerhouse (Substructure)



Cost Formula for Powerhouse (Power Equipment)

Fig. D-48 COST FORMULA FOR MAIN CIVIL STRUCTURES AND HYDROMECHANICAL EQUIPMENT (3/3)

Figure D-49 CONSTRUCTION SCHEDULE FOR KANAN-UMIRAY TRANSBASIN PROJECT

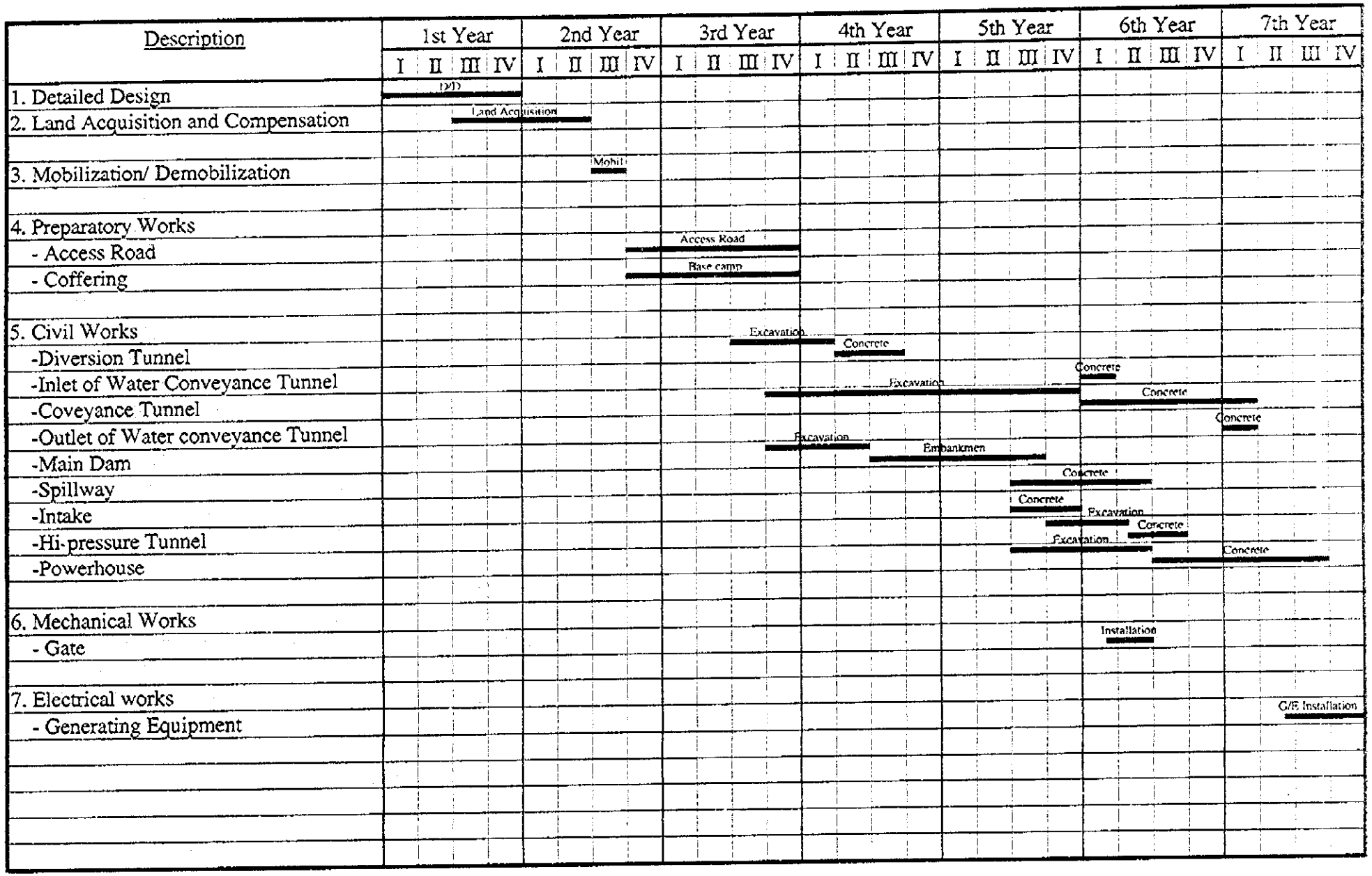


Figure D-50 CONSTRUCTION SCHEDULE FOR MAASIM DAM PROJECT

Description	1st Year				2nd Year				3rd Year				4th Year				5th Year				6th Year				7th Year			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Detailed Design	D/D																											
2. Land Acquisition and Compensation			Land Acquisition																									
3. Mobilization/ Demobilization							Mobil																					
4. Preparatory Works																												
- Access Road									Access Road																			
- Base Camp									Base camp																			
5. Civil Works																												
-Diversion Tunnel									Excavation		Concrete		Excavation															
-Main Dam																	Embankment											
-Spillway																					Concrete							
-Water Supply Conduit																									Concrete			
6. Mechanical Works																												
- Gate																							Installation					
7. Electrical works																									Concrete			

Figure D-51 CONSTRUCTION SCHEDULE FOR BAYABAS DAM PROJECT

Description	1st Year				2nd Year				3rd Year				4th Year				5th Year				6th Year				7th Year			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Detailed Design	D/D																											
2. Land Acquisition and Compensation			Land Acquisition																									
3. Mobilization/ Demobilization							Mobil																					
4. Preparatory Works																												
- Access Road									Access Road																			
- Coffering									Base camp																			
5. Civil Works																												
-Diversion Tunnel									Excavation			Concrete																
-Main Dam									Excavation								Embankment											
-Spillway																					Concrete							
-Water Supply Conduit																									Concrete			
6. Mechanical Works																												
- Gate																								Installation				
7. Electrical works																												Concrete

Figure D-52 CONSTRUCTION SCHEDULE FOR KALIWA-COGEO WATER SUPPLY PROJECT

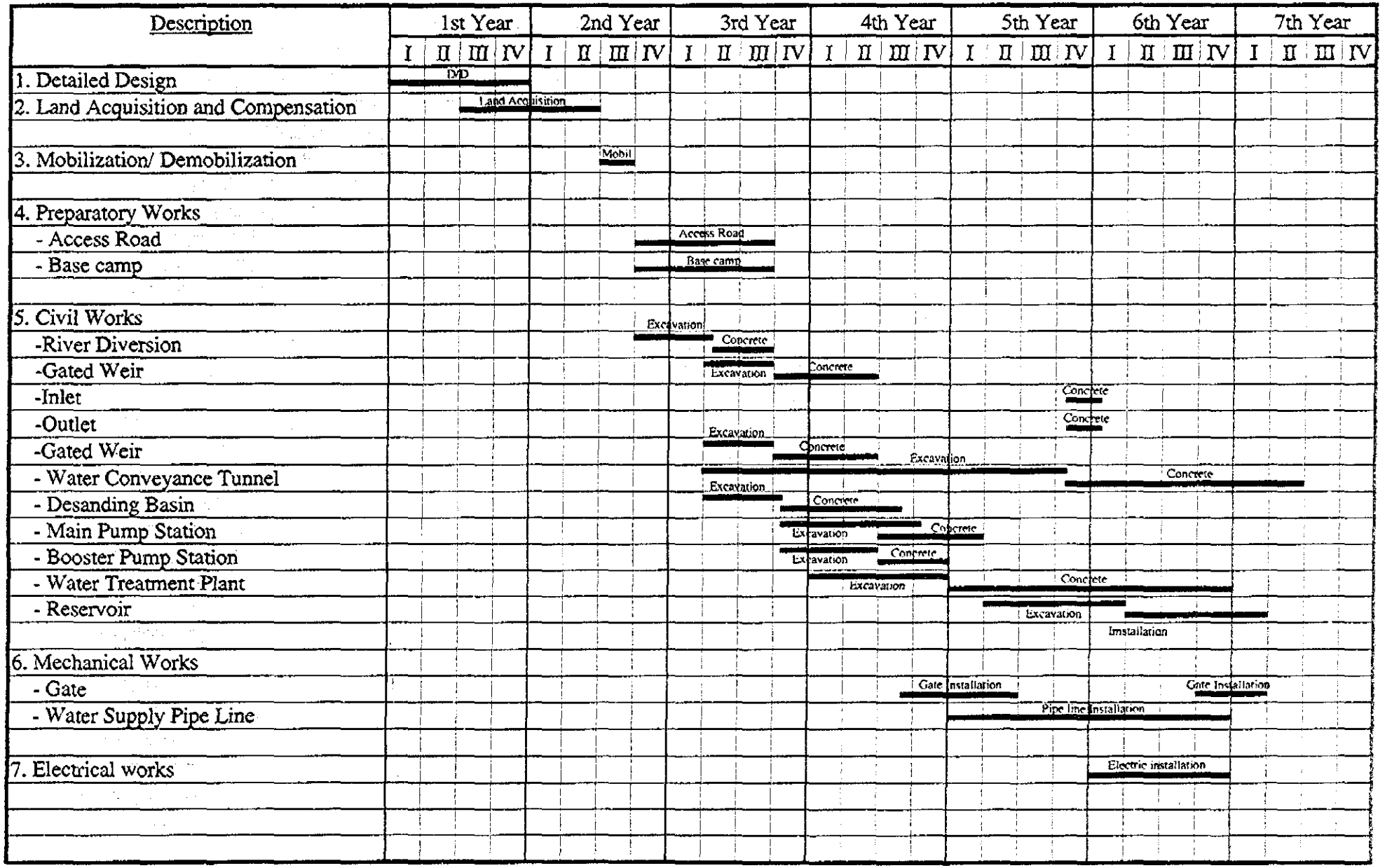


Figure D-53 CONSTRUCTION SCHEDULE FOR PAMPANGA WATER CONVEYANCE PROJECT

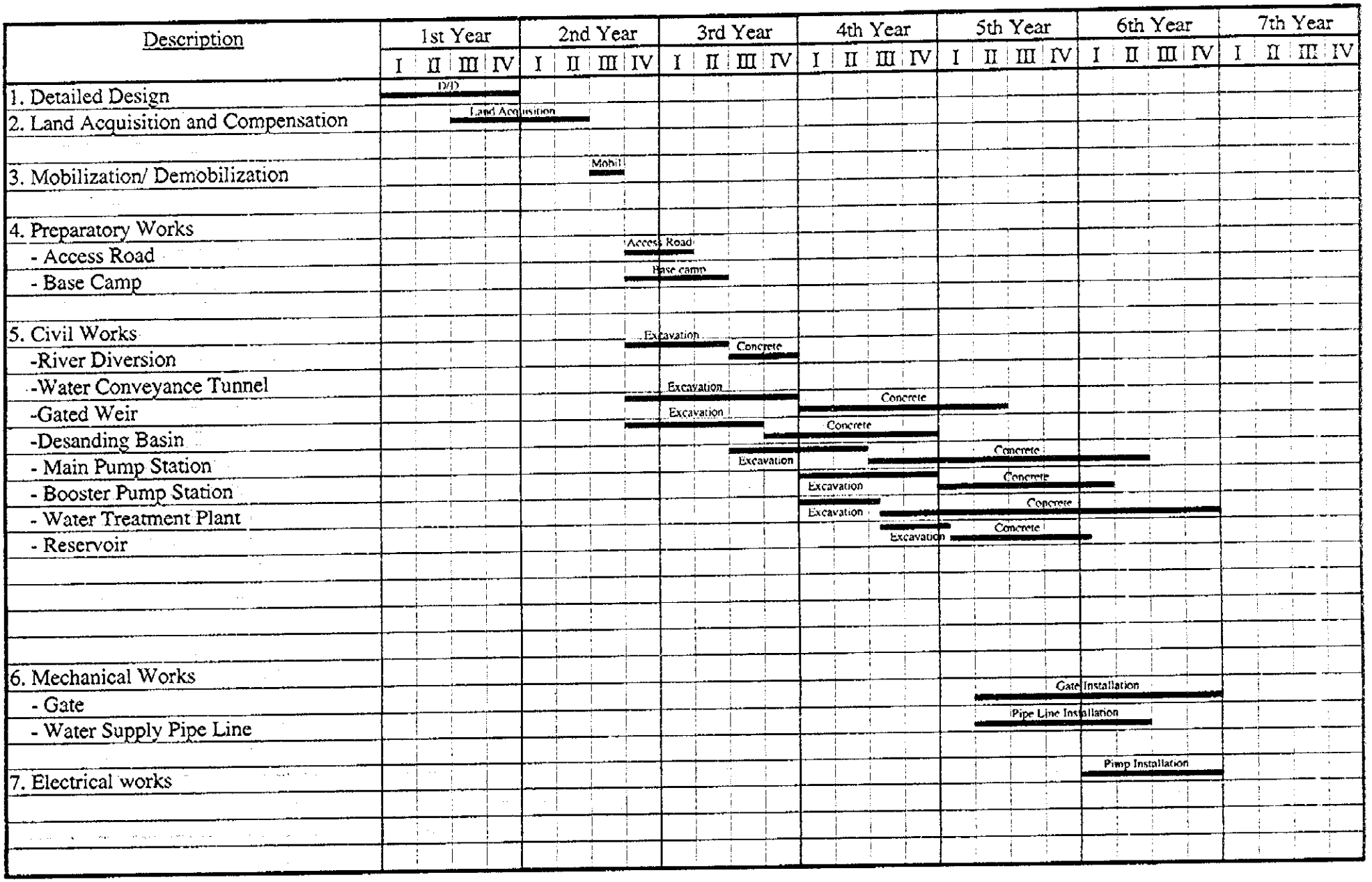


Figure D-54 CONSTRUCTION SCHEDULE FOR MALUBOG-MANANGA TRANSBASIN PROJECT

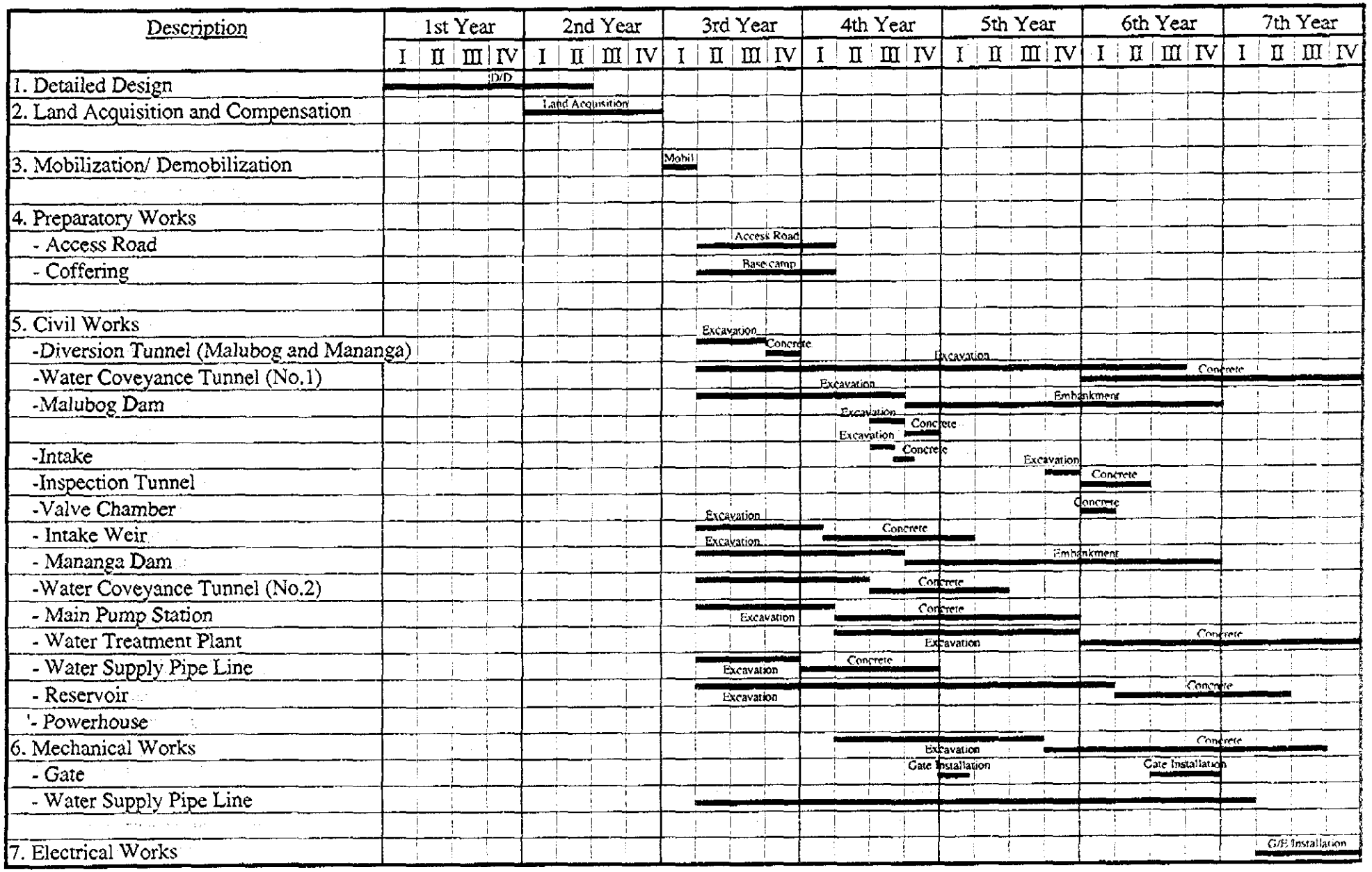


Figure D-55 CONSTRUCTION SCHEDULE FOR LUSARAN-PULAMBATO TRANSBASIN PROJECT

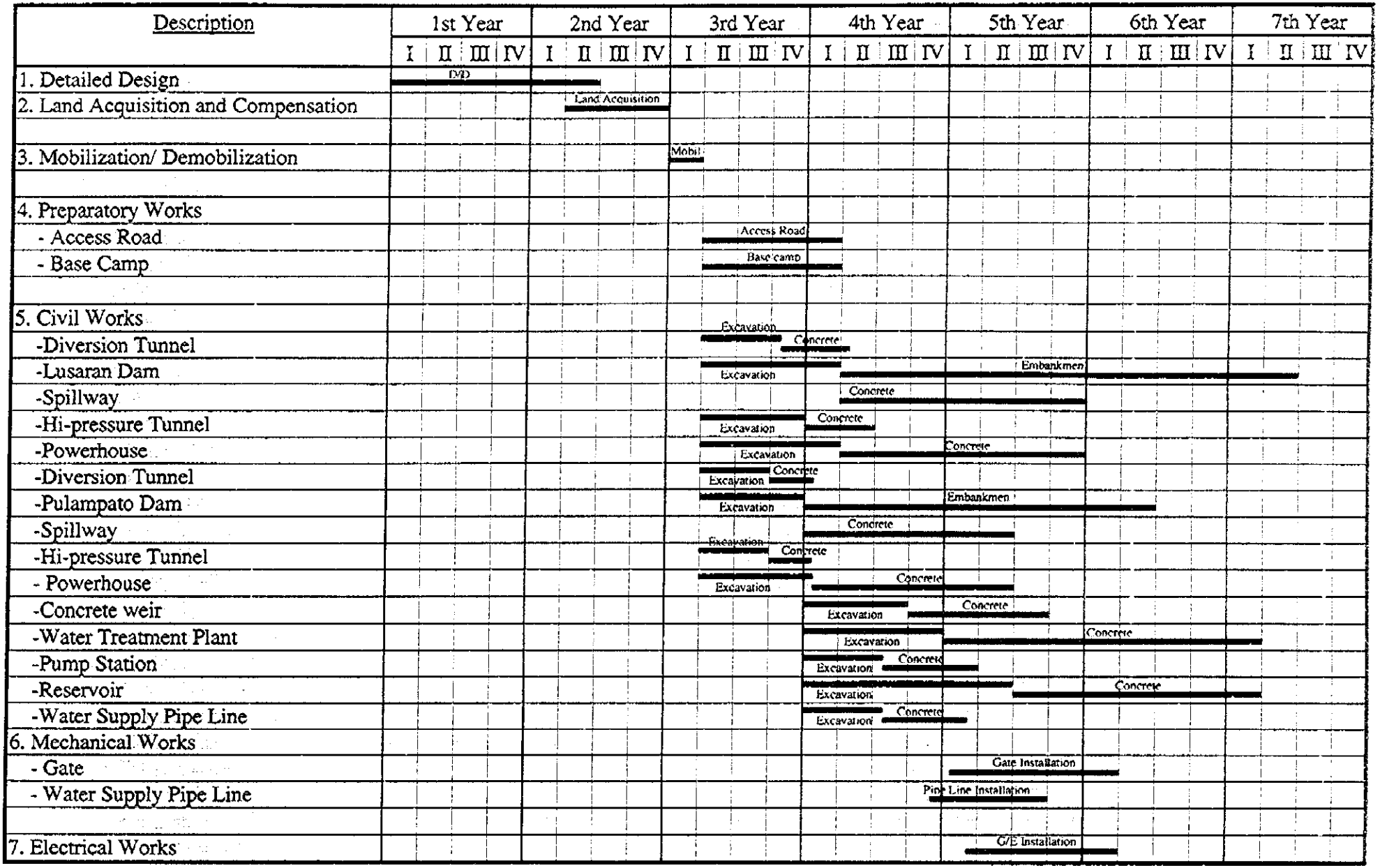


Figure D-56 CONSTRUCTION SCHEDULE FOR BOHOL-CEBU WATER SUPPLY PROJECT: FIRST STAGE

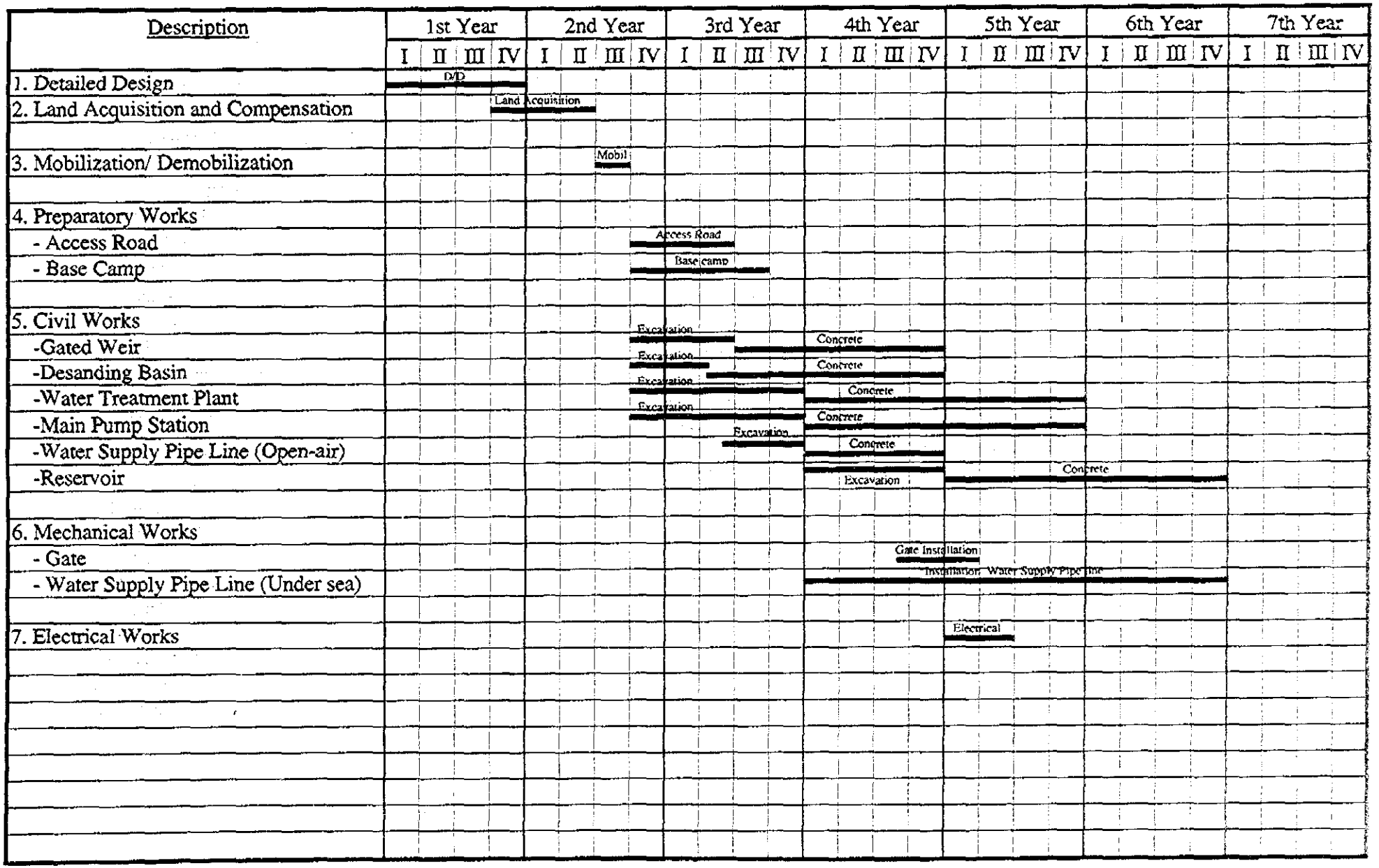


Figure D-57 CONSTRUCTION SCHEDULE FOR BOHOL-CEBU WATER SUPPLY PROJECT: SECOND STAGE

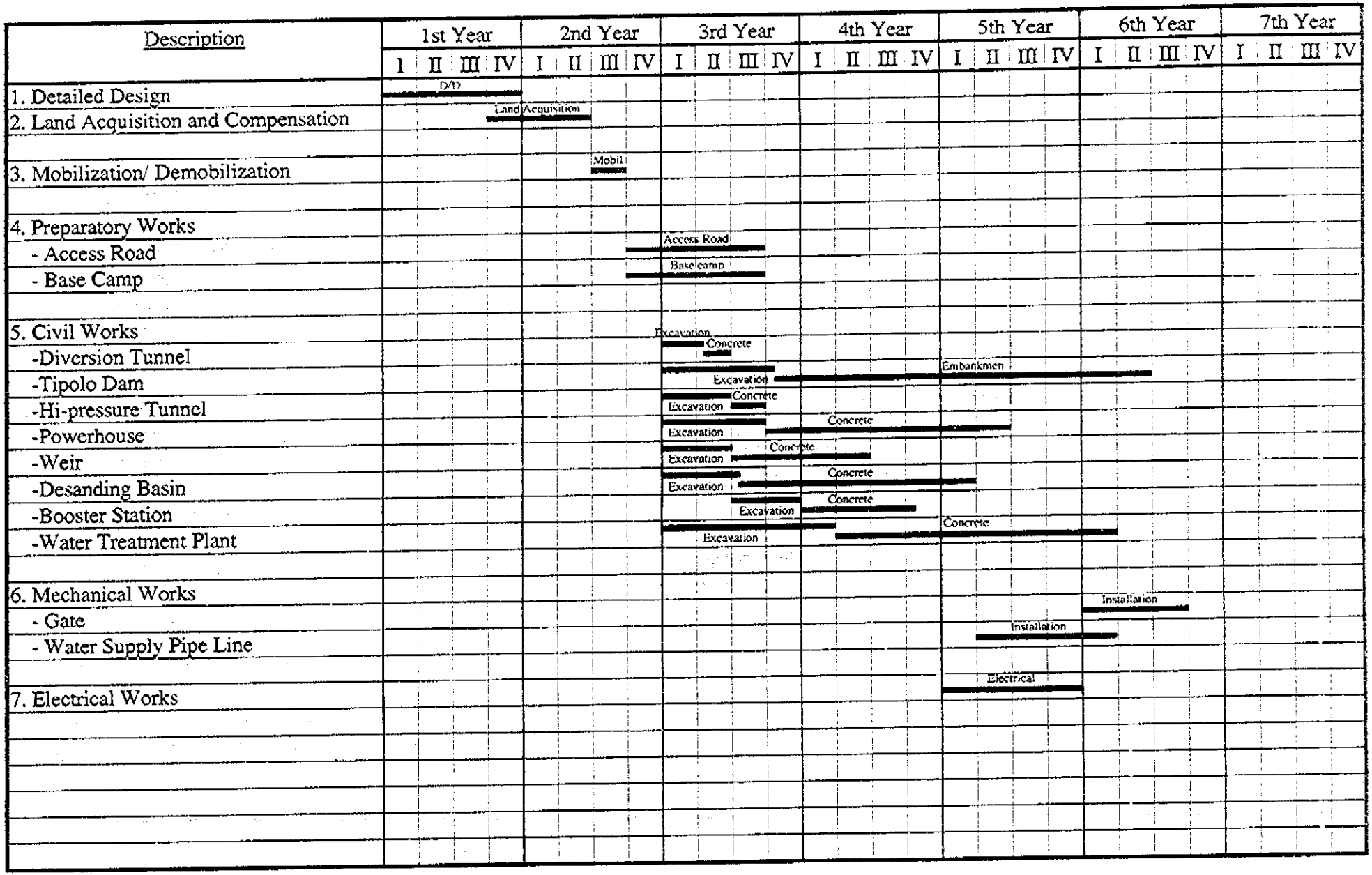


Figure D-58 CONSTRUCTION SCHEDULE FOR LABOY DAM WATER SUPPLY PROJECT

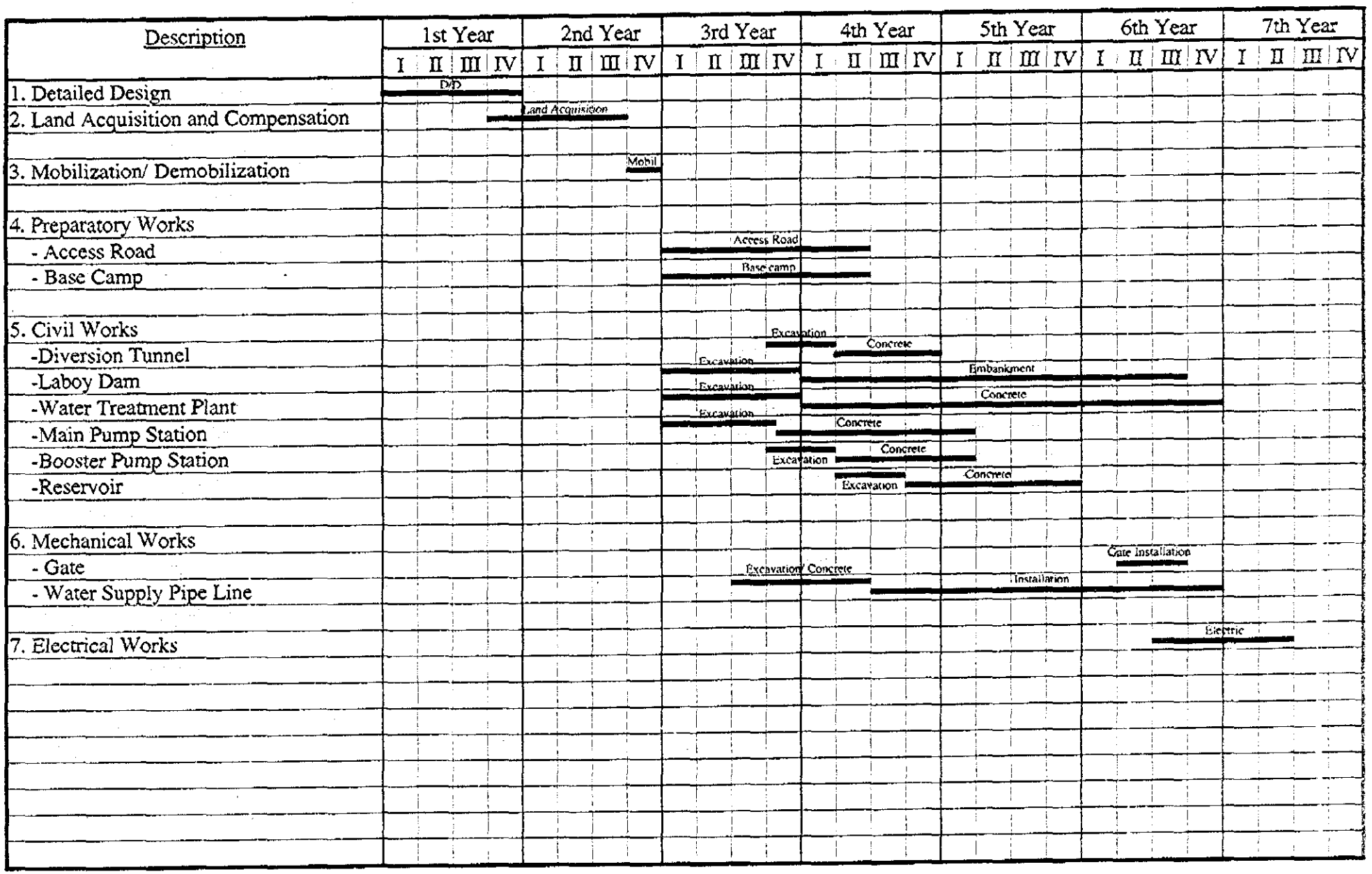


Figure D-59 CONSTRUCTION SCHEDULE FOR LABOY WEIR AND POND WATER SUPPLY PROJECT