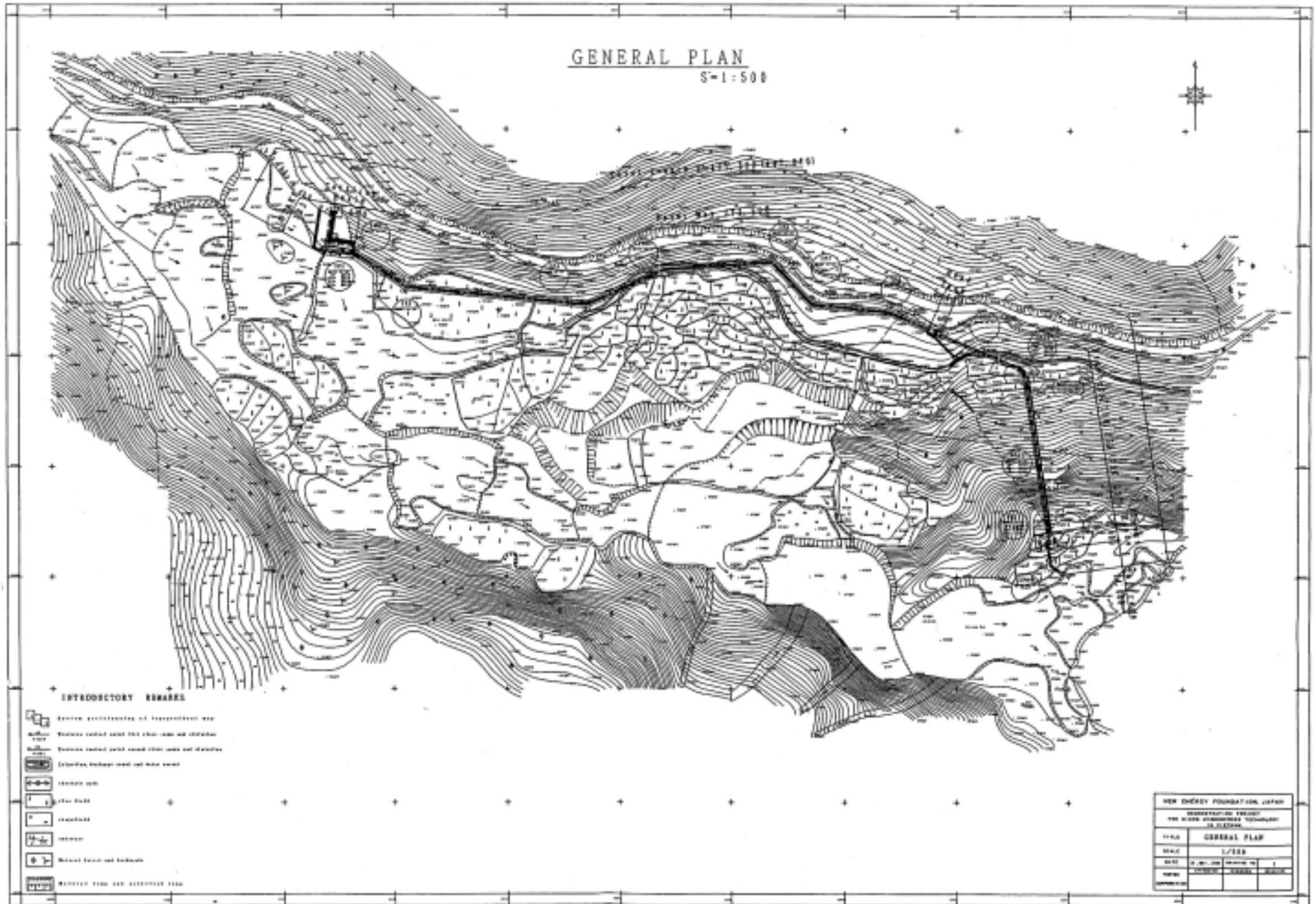
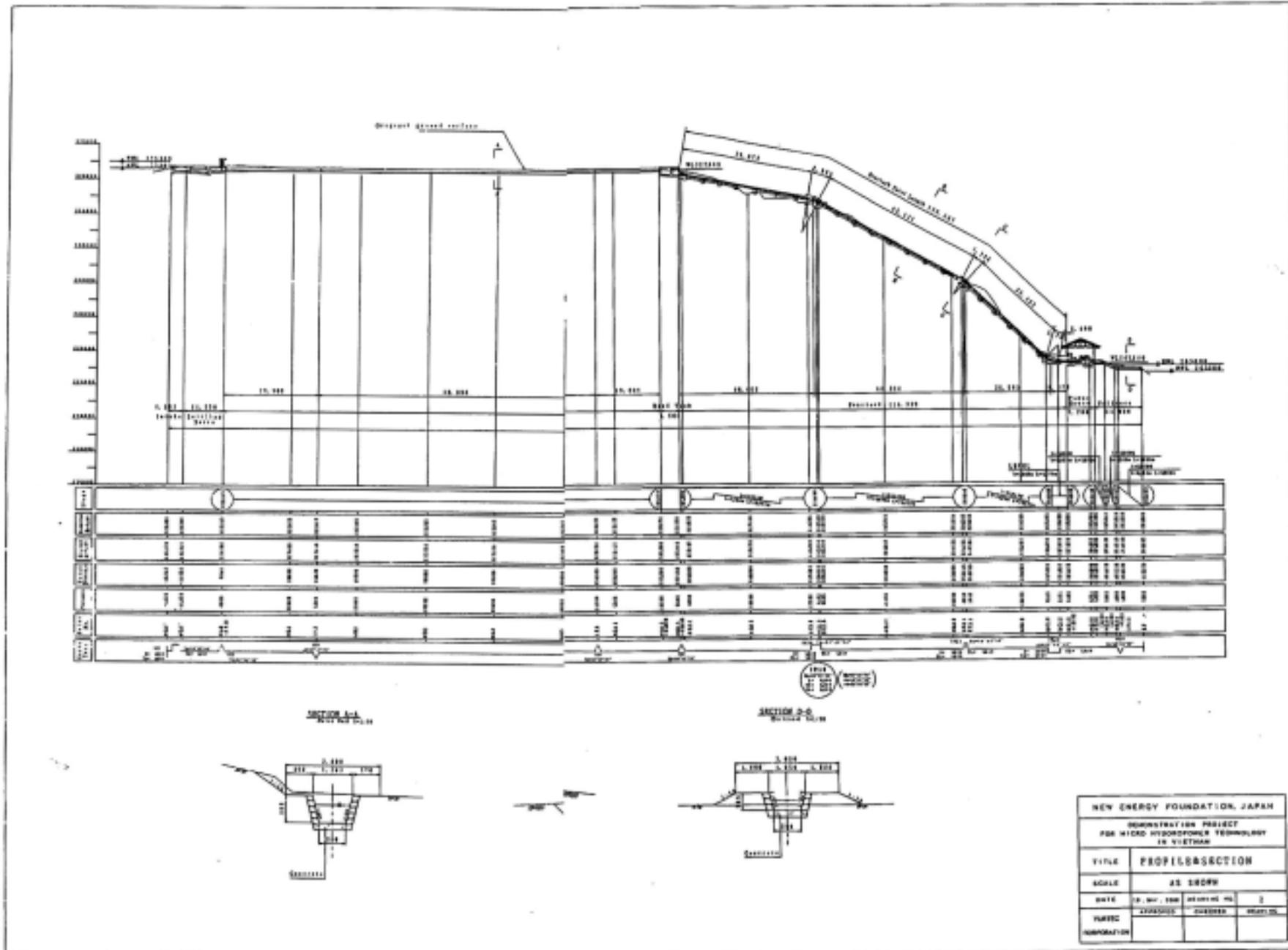
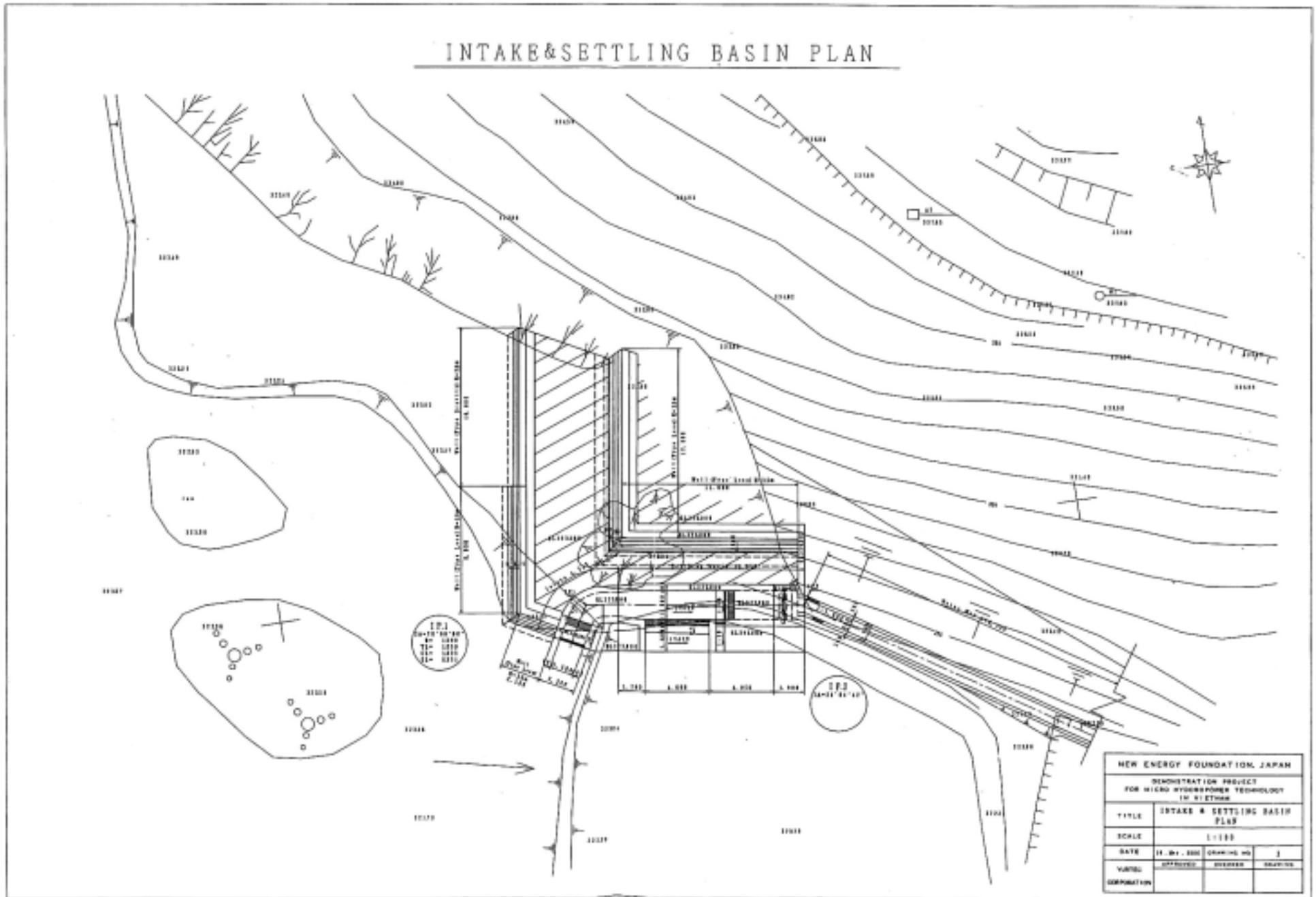


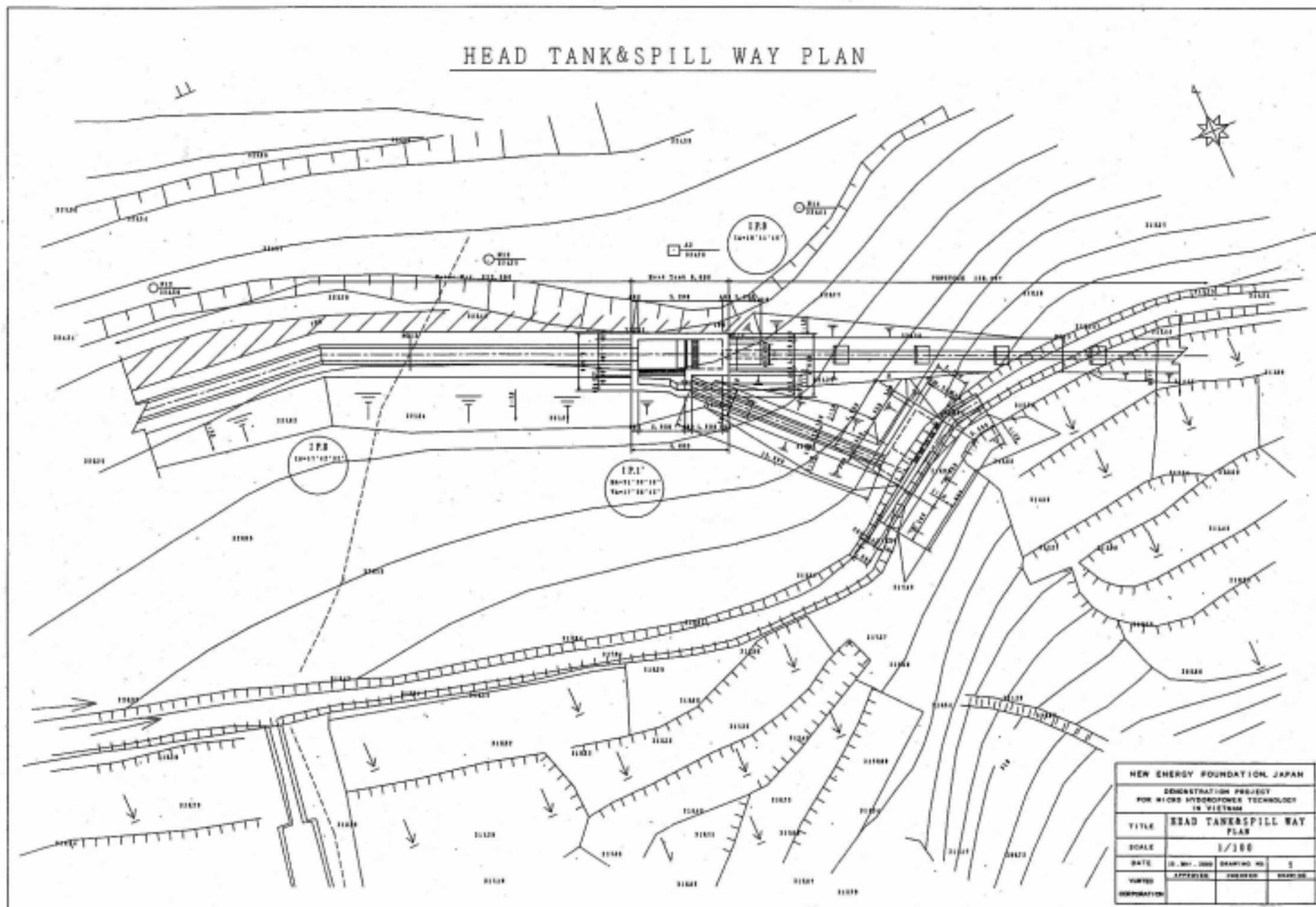
**DEMONSTRATION PROJECT  
FOR MICRO HYDROPOWER TECHNOLOGY  
IN VIETNAM**

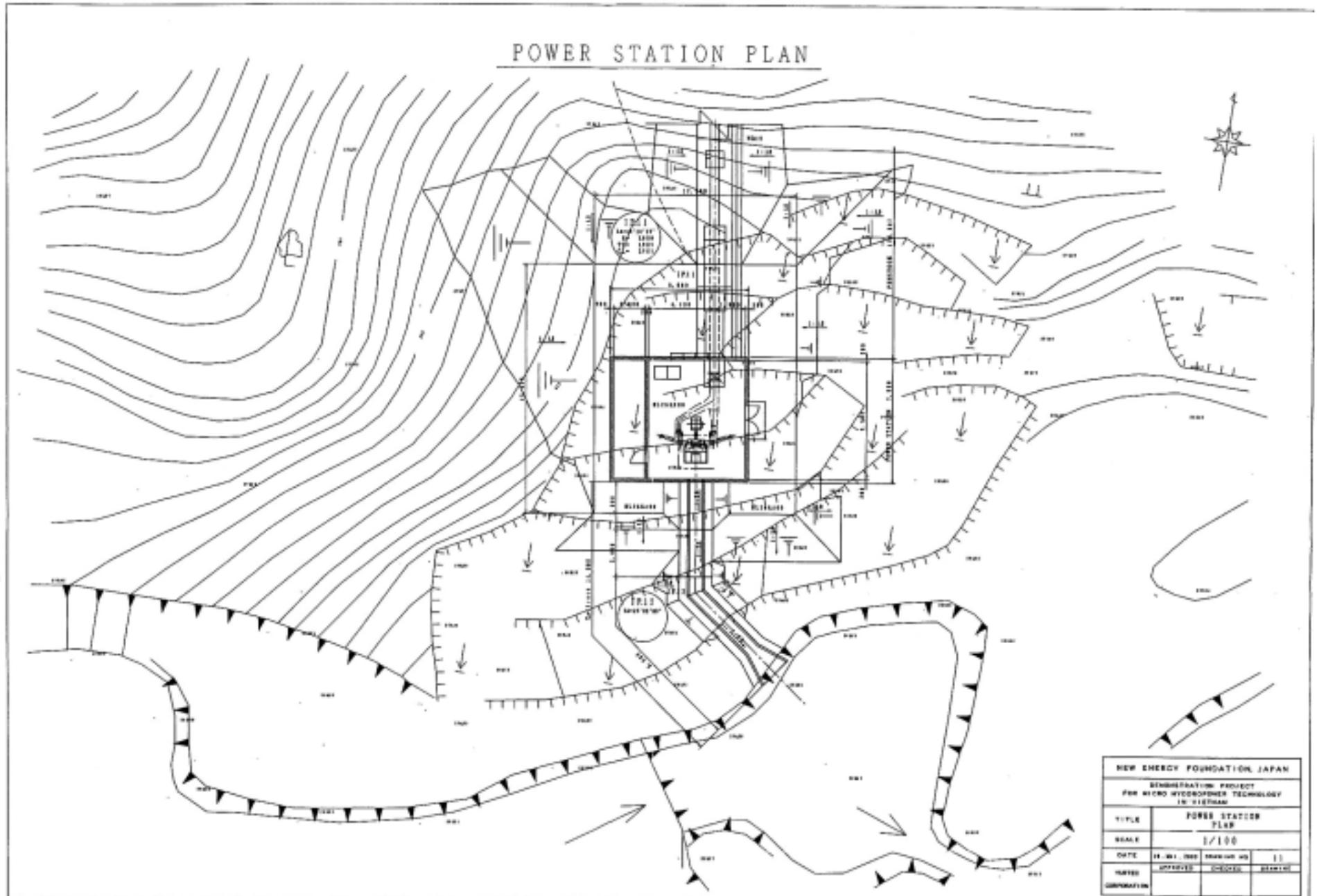
**NEW ENERGY FOUNDATION, JAPAN**

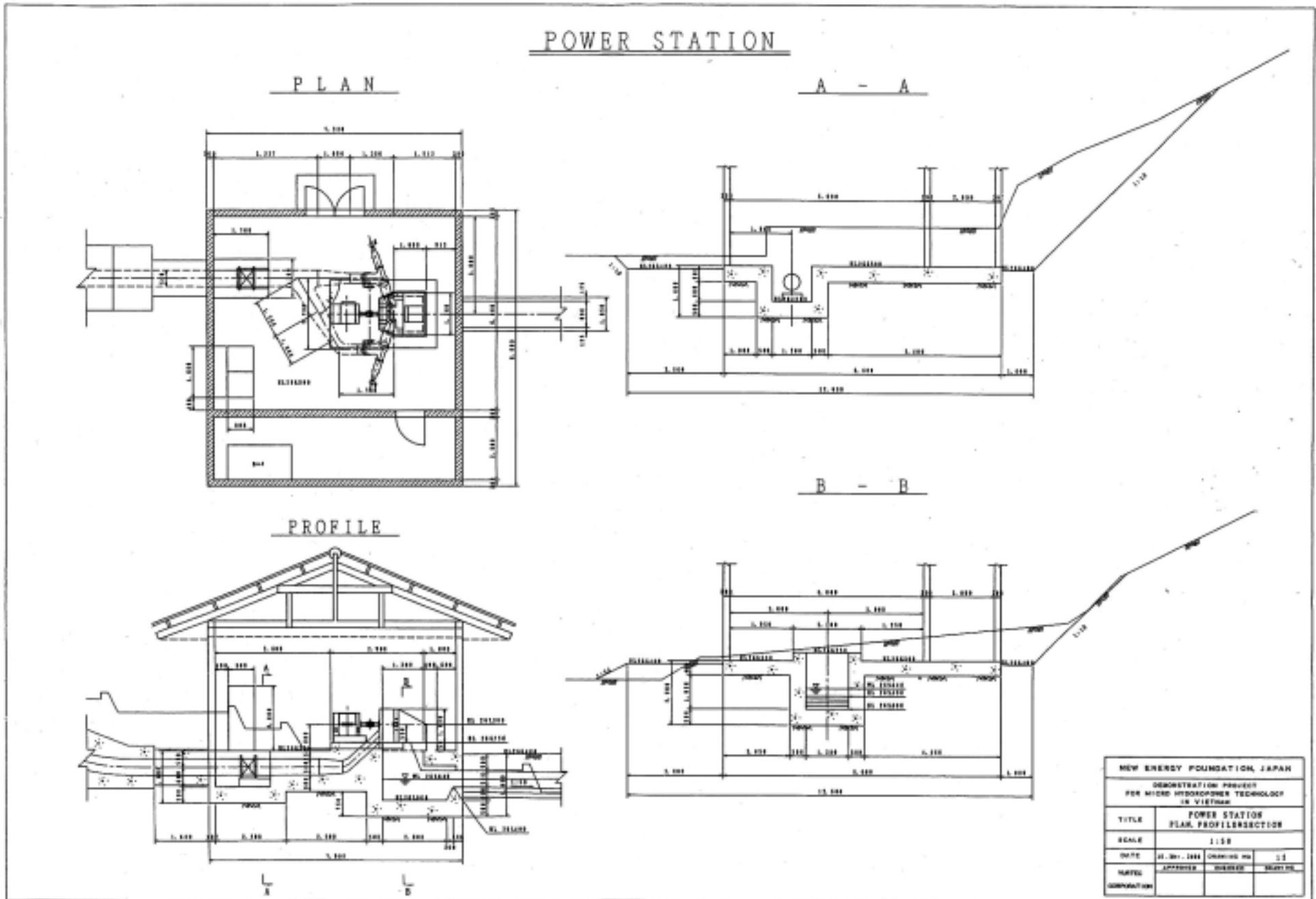




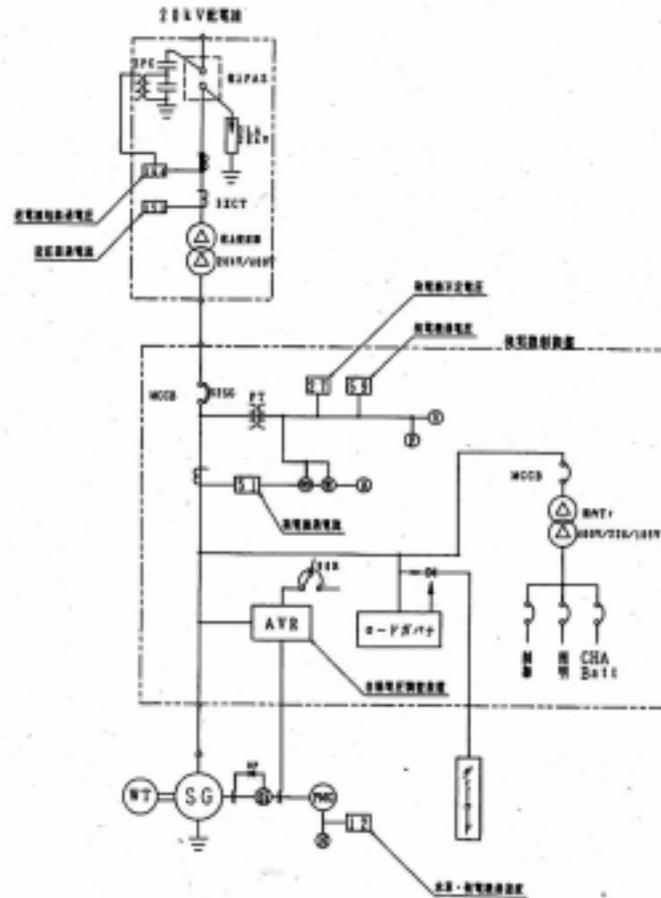








SINGLE LINE DIAGRAM



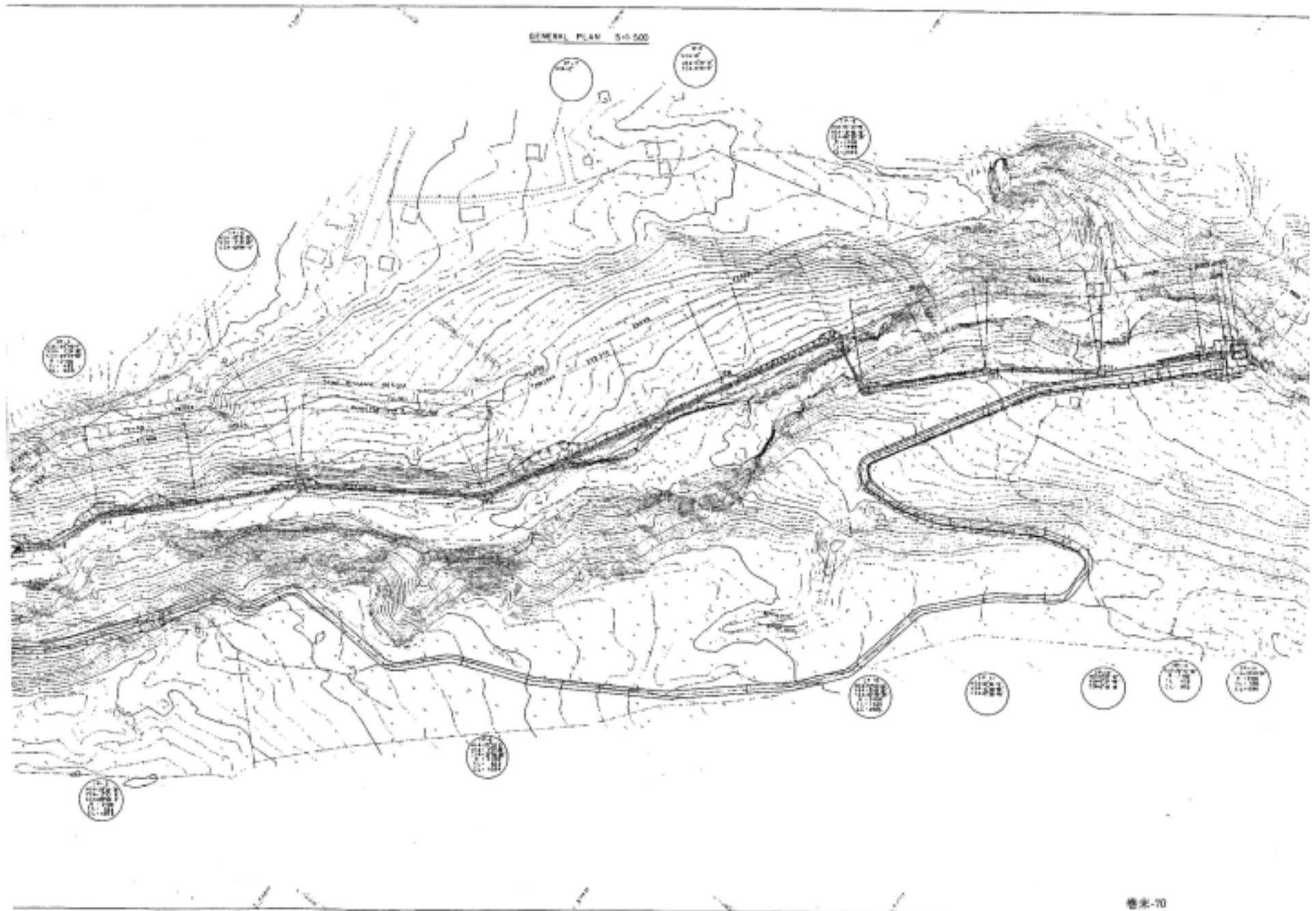
送電線	送電回線送電線
変圧器	昇圧用変圧器 3φ 20kV/400V
運転方式	<ul style="list-style-type: none"> <li>・常時自動方式とし送電線に接続して運転する。</li> <li>・運転停止はノイズおよび雷撃式入口弁で行なう。</li> <li>・運転時は「自動停止」とし自動停止する。</li> </ul>
保護装置	154 (送電線過電圧) 151 (送電線過電流) 59 (送電線過電流) 12 (水素・送電線過電流) 21 (送電線不正電圧) 51 (送電線過電流) 33W (水素水圧低下)
備考	・併置発電機を使用し ・ストリートを設ける。

同期発電機使用  
単独運転 20kV送電

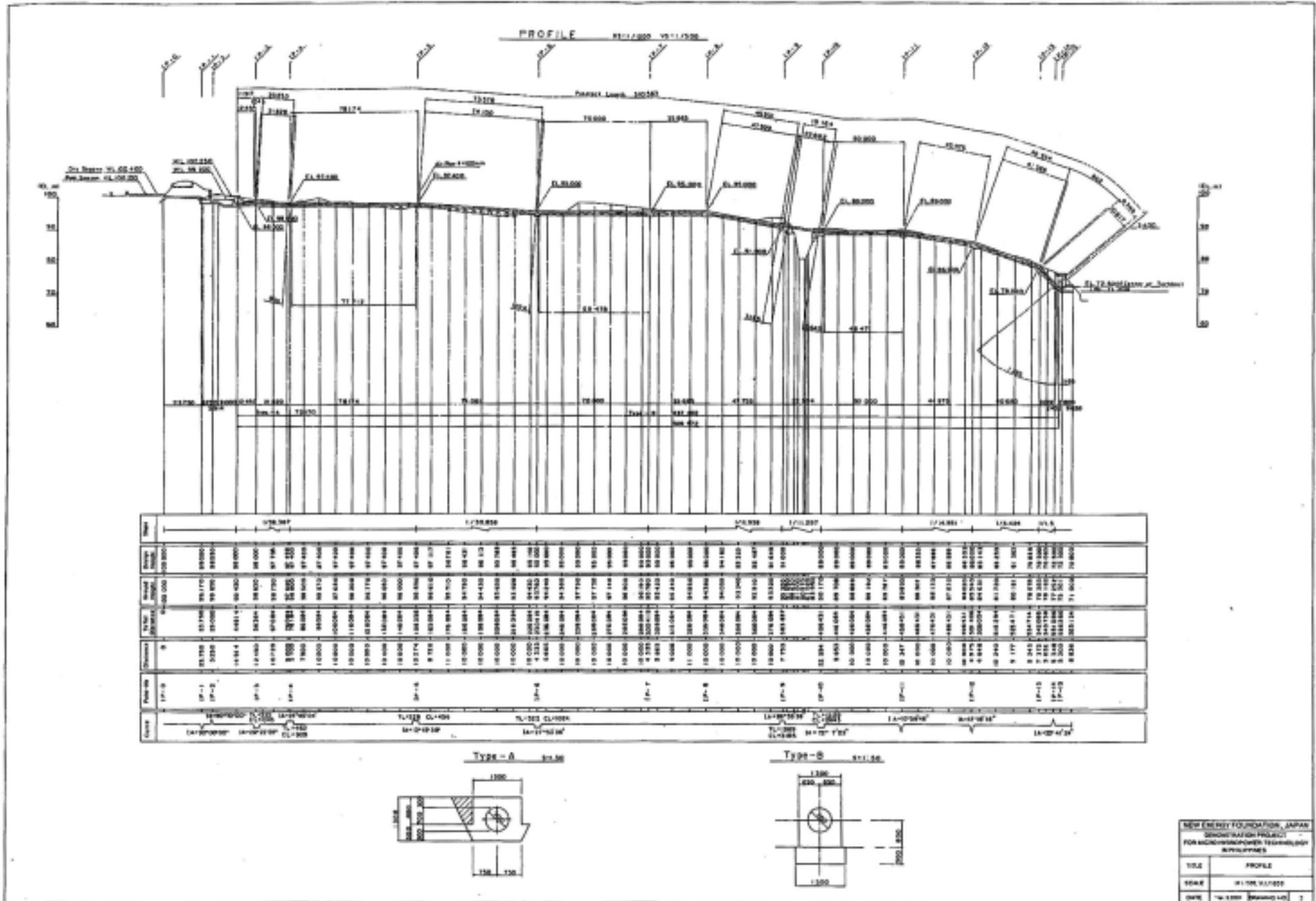
NEW ENERGY FOUNDATION JAPAN			
DEMONSTRATION PROJECT FOR MICRO HYDROPOWER TECHNOLOGY IN VIETNAM			
TITLE	SINGLE LINE DIAGRAM		
SCALE	NON SCALE		
DATE	DR. NO.	REV.	REVISION NO.
NAME	ADDRESS	SCHOOL	DEPARTMENT
ORGANIZATION			

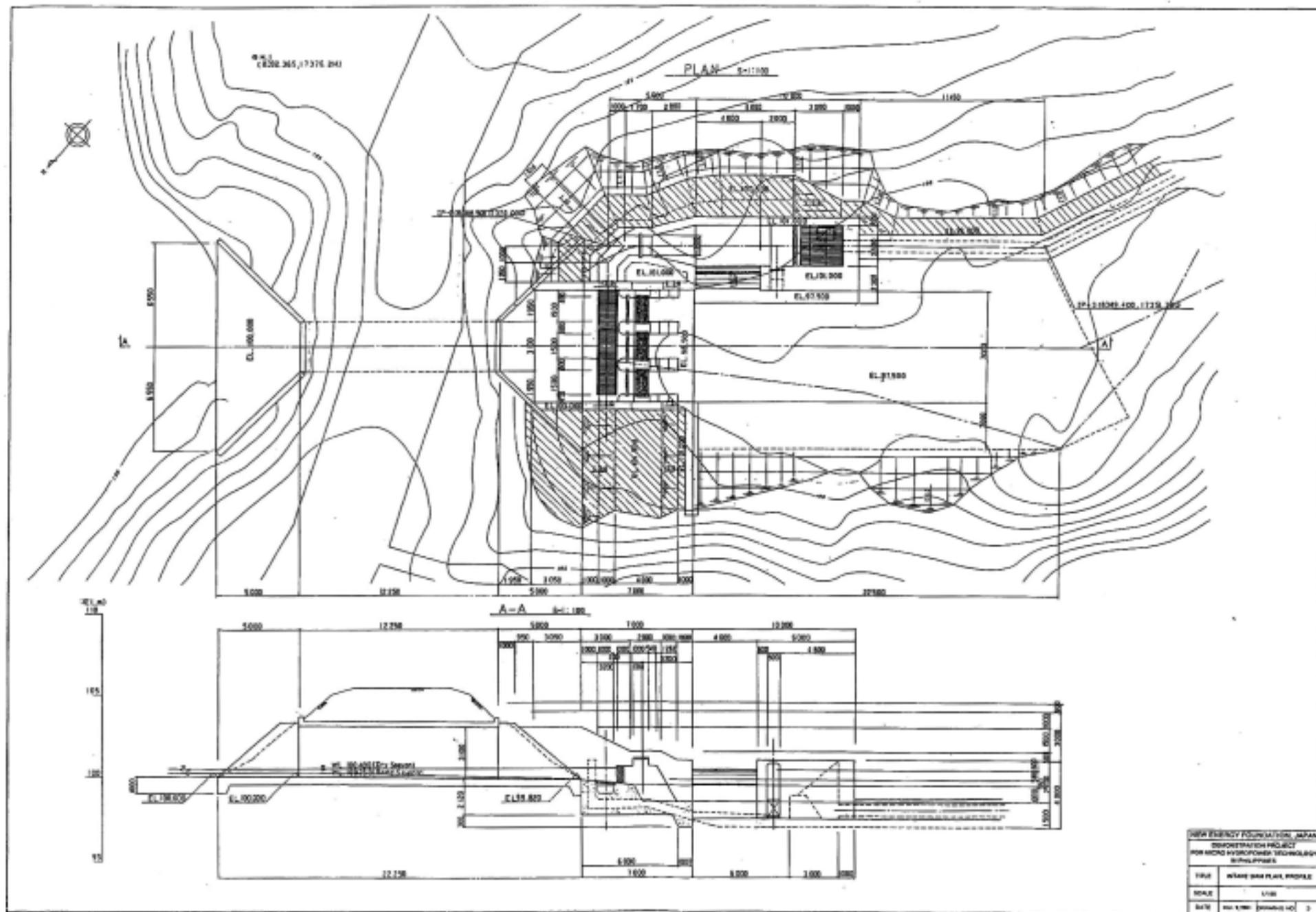
**DEMONSTRATION PROJECT  
FOR MICRO HYDROPOWER TECHNOLOGY  
IN PHILIPPINES**

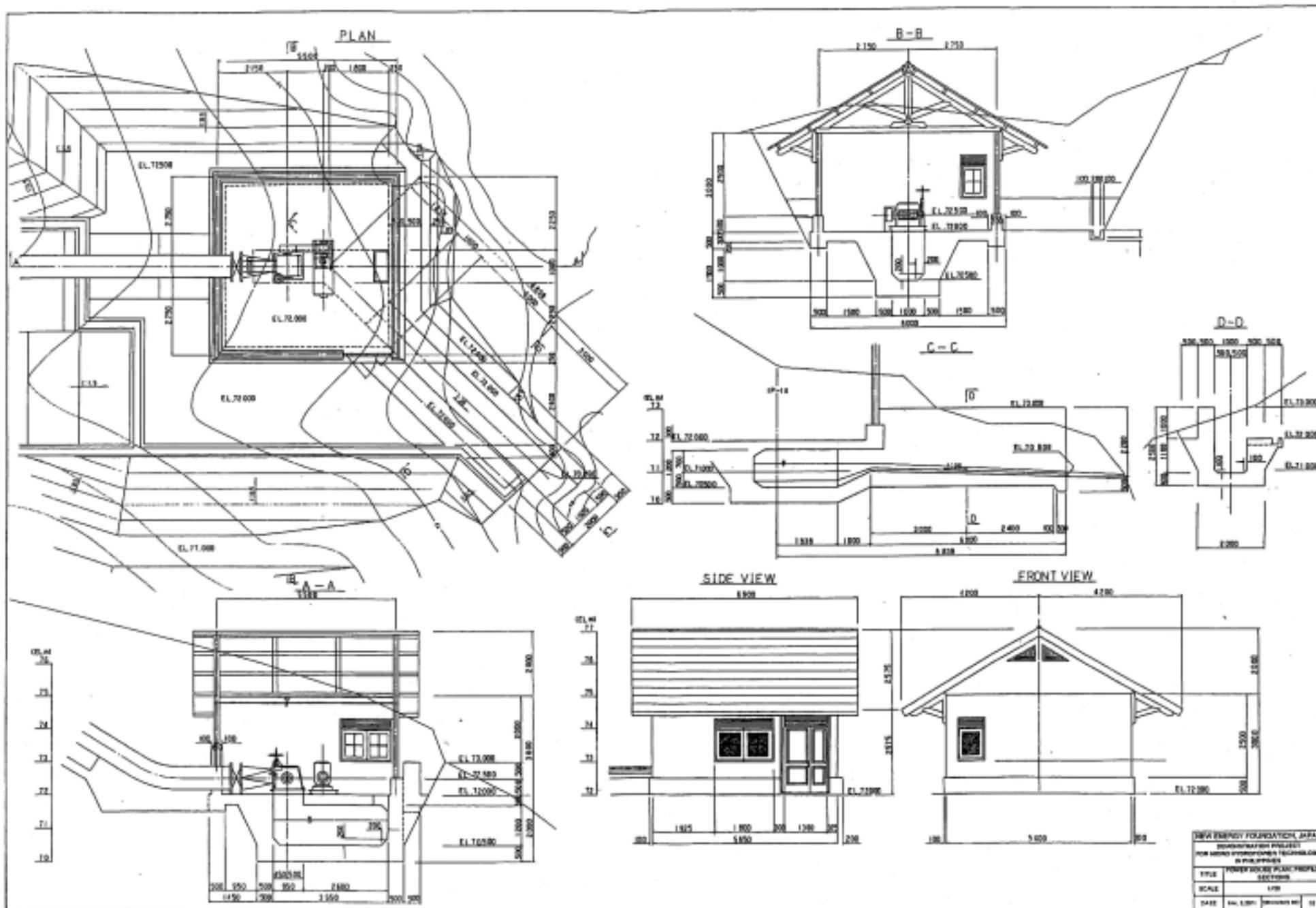
**NEW ENERGY FOUNDATION, JAPAN**



巻末-70



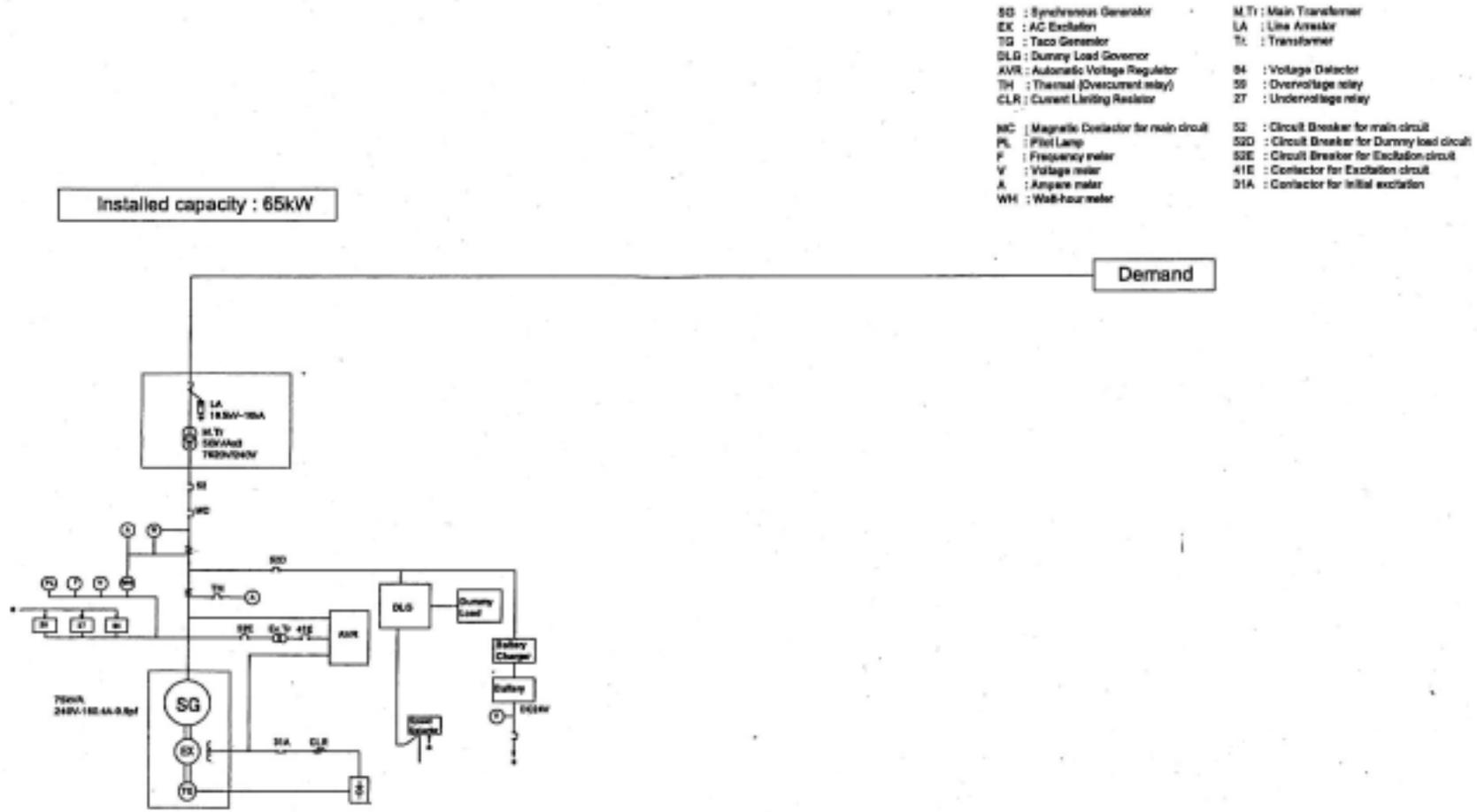




DAEW ENERGY FOUNDATION, JAPAN	
RESEARCH/DEVELOPMENT PROJECT	
FOR ENERGY STORAGE/POWER GENERATION UNIT	
IN THE JAPANESE	
TYPE	POWER HOUSE PLANT PROFILE
SCALE	1/20
DATE	Aug. 1, 2001
	PROJECT NO. 12

Installed capacity : 65kW

Demand



- SG : Synchronous Generator
- EK : AC Excitation
- TG : Tacho Generator
- DLG : Dummy Load Governor
- AVR : Automatic Voltage Regulator
- TH : Thermal (Overcurrent relay)
- CLR : Current Limiting Resistor
- MT : Main Transformer
- LA : Line Reactor
- Tt : Transformer
- SD : Voltage Detector
- SO : Overvoltage relay
- ZT : Undervoltage relay
- MC : Magnetic Contactor for main circuit
- PL : Pilot Lamp
- F : Frequency meter
- V : Voltage meter
- A : Ampere meter
- WH : Watt-hour meter
- S2 : Circuit Breaker for main circuit
- S2D : Circuit Breaker for Dummy load circuit
- S2E : Circuit Breaker for Excitation circuit
- 41E : Contactor for Excitation circuit
- 31A : Contactor for initial excitation

MHW ENERGY FOUNDATION, JAPAN	
DEMONSTRATION PROJECT FOR MICRO HYDROPOWER TECHNOLOGY IN PHILIPPINES	
TITLE	SINGLE LINE DIAGRAM
SCALE	
DATE	Nov 5, 2001 DRAWING NO. 11