[redacted]*

Synopsis:

[redacted]

the raw water intake and pumping station adjacent to the river bank, which is the most important technical aspect of the project, and the management to overcome the difficulties resulting from constructing various facilities dispersed in the remote locations.

Table 1 Quantities of work items

Raw water intake and pump station	
Excavation	8 400 m³
Sheet pile (type-5L)	154 t
Steel pipe pile (OD=660, t=17 mm)	261 t
H pile	186 t

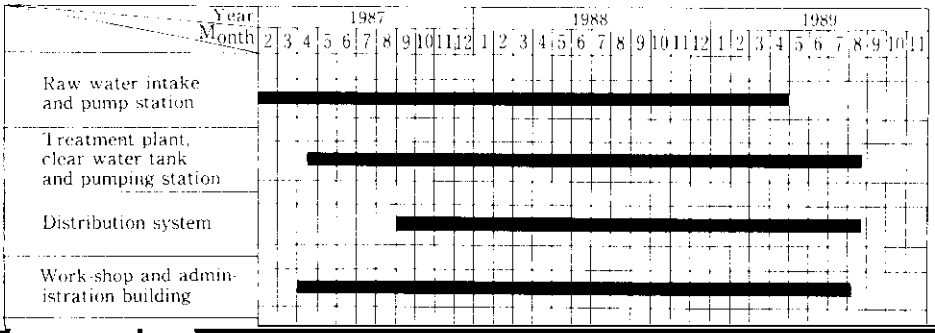
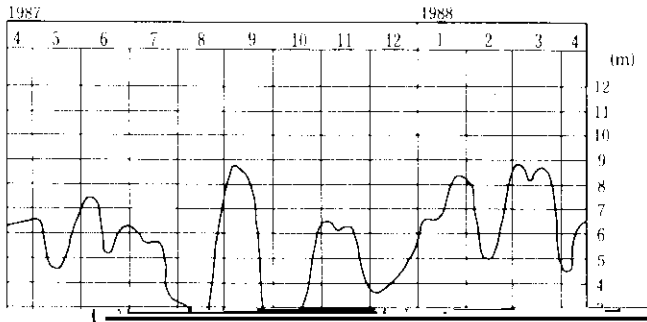
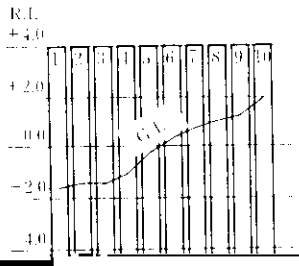

Year
Month
1987
1988
1989
2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11
Raw water intake and pump station
Treatment plant, clear water tank and pumping station
Distribution system
Work-shop and administration building

Table 2 Comparison of combined section pile and interlocked steel pipe pile

Item	Combined section pile	Interlocked steel pipe pile
Section efficiency	○	○
Man power for fabrication	×	○
Characteristic of quality	△	○
Fabrication period	×	○
Characteristic of construction	×	○





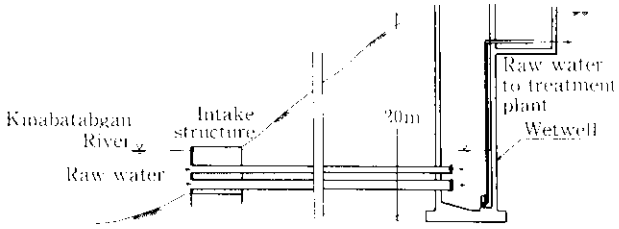
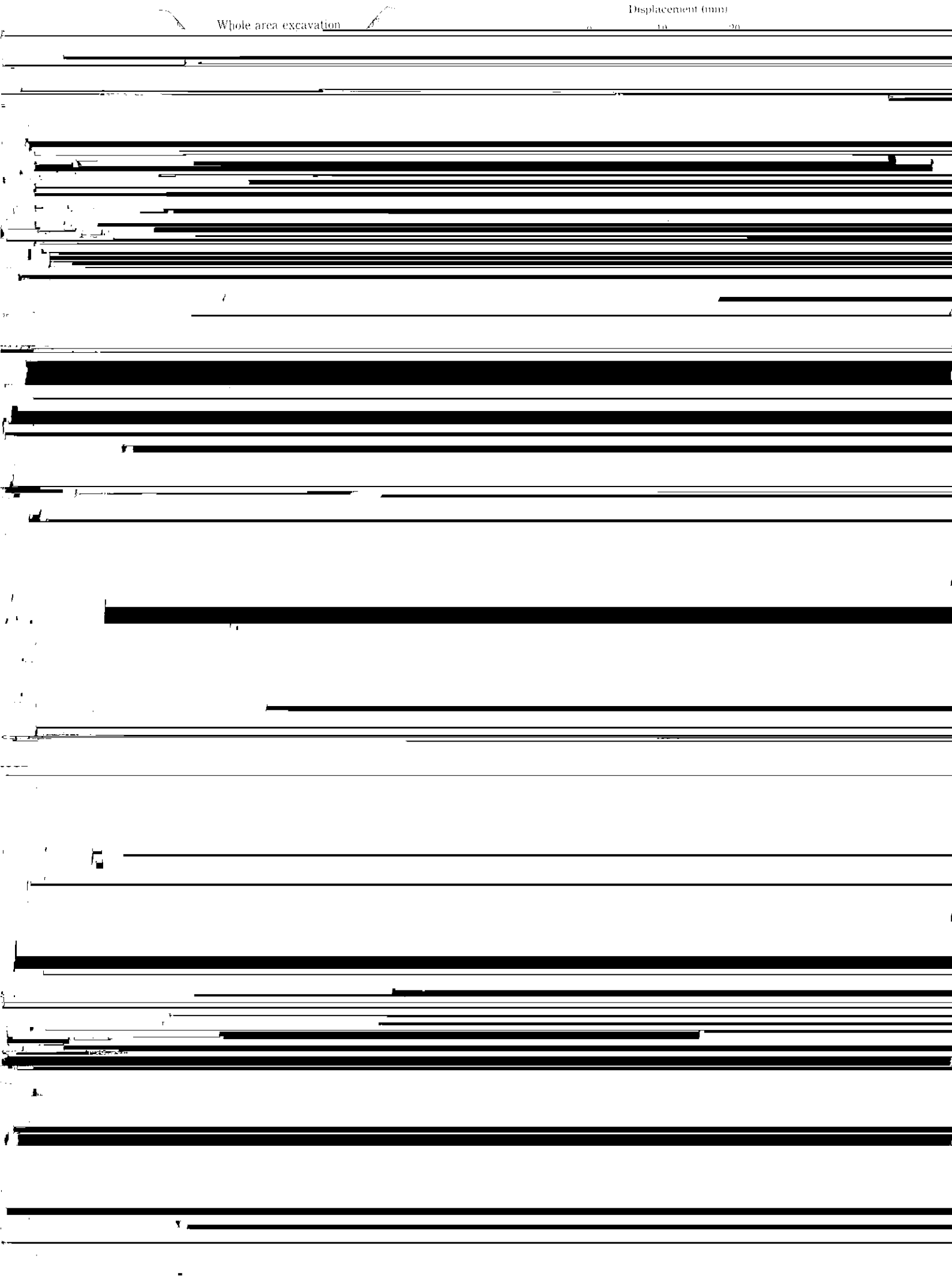


Fig. 10. Raw water intake structure


Whole area excavation
Displacement (mm)
0
10
20


Raw water
intake pipe
Anchor frame

1987 | 1988 | 1989 | 1990

into basic as-planned schedule.

Table 4 Procurement of various mechanical and electrical materials

consisting of the combination of steel sheet piles and H-shape beams was replaced by an alternative plan that used ISPPs (interlocking steel pipe piles).

[redacted]

tages in respect o f workability quality and cost