



Client:

ERA Építő és Létesítmény Fejlesztő Kft.
(Building and Project Development Ltd.)

Technical features:

Area of pit: 1300 m²

Depth of pit: -12,60 m

Thickness of diaphragm wall: 0,65 m

Anchors:	- 5,70	P _H = 750 kN
	- 8,20	P _H = 967 kN

Amount of diaphragm wall to be constructed:
2400 m²

Year of design: 1997

Year of carrying out construction: 1998

Services rendered:

Design for approval of cofferdam, including structural analysis, anchor design, dewatering during construction.

The building is to be implemented near to the bank of the River Danube, on a vacant lot with neighbouring buildings on both sides. The ground has a stratigraphy which is typical of the Pest part of Budapest city: backfill down to a depth of -4,0 m, underlain by sand down to -7,0 m which, in turn is underlain by sandy gravel down to a depth of -13,5 m. The bedrock comprises solid impervious Kiscell clay.

The construction of the diaphragm wall is to be carried out by setting out from the -4,00 m level, the diaphragm wall is restrained into the impermeable clay at the -18,0 m level.

Watertight joint tape is to be provided between the diaphragm panels.

Dewatering wells will be provided at the base slab for dewatering during construction.

Expected time of carrying out building and construction is 1998.