

Underground Parking Viohalko Building

Athens, Greece

Project

Underground parking facilities in nine-floor building

Construction Cost

Total cost: approx. € 15 m.

Project Schedule

Design: 2003

Construction: 2003-2004

Project Description

Width: 37m

Total length: 100m

Depth: 28m

Construction Method

Retaining structure with pile walls and prestressed anchors

Geology

Man-made deposits, soils, Athenian schist

Our Services

Detailed geotechnical design

Client

ELLINIKI TECHNODOMIKI S.A.



Construction site NE view



Viohalko building view

Underground Parking Store Building with two underground parking facilities

Attiki

Project

2-floor underground parking facilities in 2-floor store building

Construction Cost

Total cost: approx. € 0,3 m.

Project Schedule

Design: 2005
Construction: 2005 - 2006

Project Description

Length: 65m
Width: 40m
Depth: 8m

Construction Method

Pile anchored walls
Modulation of excavation slopes with gradient 1:1 in 1 or 2 benches

Geology

Soil materials (clay, clayey sand)
Clayey marl
Aquifer

Our Services

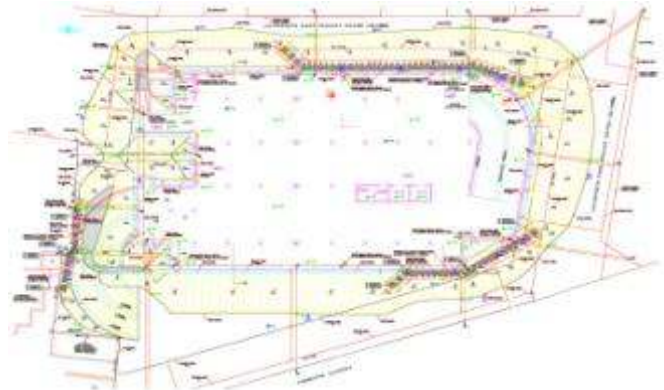
- Detailed design
- Construction drawings of the retaining structures

Construction Details

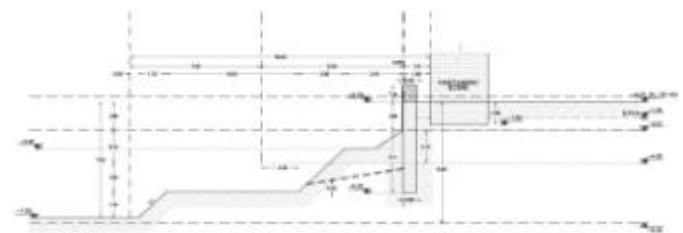
- Construction of 3 pile walls: 15m up to 29m length with reinforced concrete piles $\Phi 0,8$ of total length 6-8m, in combination with cap beams of height 1,1m and width 0,9m
- Installation of shotcrete over the piles surface
- Construction of drainage wholes
- Construction of 6 pumping shafts with cross section $\Phi 800$

Client

AKTOR S.A.



Building excavations plan view



Excavation section

Underground Parking Building IONIA S.A.

Athens

Project

3-floor underground parking facilities in a 4-floor building

Construction Cost

Total cost: approx. € 1.5 m.

Project Schedule

Design: 2005

Construction: 2005

Project Description

Width: 48m

Length: 53m

Depth: 13m

Construction Method

Pile anchored wall

Geology

Man made deposits, soil materials

Our Services

- Detailed design
- Construction drawings of the retaining structures

Construction Details

- Retaining structures with steel piles $\varnothing 600$ consisted of pair of steel beams and reinforced concrete piles $\varnothing 800$
- Placement of 2 to 3 rows of prestressed anchors with length 10m to 21m with 1 or 2 tendons $\varnothing 0,6''$, connected with horizontal beams UPN 200

Client

AKTOR S.A.



Building model



NE construction view

Building project

Office Building

Athens, Greece

Project

3-floor office building with underground parking facilities

Construction Cost

Total cost: approx. € 1,2 m.

Project Schedule

Planning and design: 2004 - 2005

Construction: 2004 - 2006



Project Description

Overall surface: 800m²

Underground parking facilities

Our Services

Detailed structural, geotechnical & architectural design

Client

INVESTMENT COMPANY



Building project

Country Houses - Resorts

Greece

Project

Country houses and resorts in various places in Greece

Construction Cost

Total cost: approx. € 0,6 - € 3,0 m.

Project Schedule

Planning and design: 2004-2005

Construction: 2004-2005

Project Description

Overall surface: 300m² - 400m²

Swimming pools

Conference centres

Reception halls

Bungalows

Underground parking facilities

Our Services

- Detailed structural, architectural & geotechnical design
- Supervision of construction

Client

Various private enterprises in Greece

