Hacienda West

Client
Palm Hills for Touristic & Real Estate Development

Scope of Work
Master Plan
Schematic Design
Detailed Design
Tender Documents
Construction Documents

Location
North Coast, Egypt

Types of Activities
Architectural
Civil
Communications and Security Systems
Electrical
HVAC
Mechanical
Roads
Structural
Urban Design

Located on a total area of 602,702 m^2 (143,5 acres) in Marsa Matrouh, the project comprises the following components:

A. Ground and First Floors Villas

- Type 5 (BUA: 340m^2)
- Type 7 (BUA: 264m^2)
- Type 8 (BUA: 197m^2)

B. Chalets

- Junior Chalet (BUA: 470 m^2)
- Senior Chalet (BUA: 662m^2)
- 3 in 1 Chalet (BUA: 506 m^2)

C. Ground and Two Floors Apartment Buildings

Two types of apartment buildings, including units with approximate areas ranging from 100 m^2 to 155 m^2:

- Type 1: Hazel buildings, each including 15 units with a total BUA of 2,160 m^2
- Type 2: Pine buildings, each including 10 units with a total BUA of 1,070m^2

D. Cabanas

- Residential cabanas with a BUA of 9,760 m^2
- Hotel cabanas with a BUA of 13,282 m^2

E. Gates and Fences: Two gates with a BUA of 18 m^2

Infrastructure works include:

- Road Network: with a total length of 11,135 m and width ranging from 11 m to 25 m
- Water Supply Network: with a total length of 11.5 km and diameters ranging from 75 mm to 315 mm, including water tanks with a capacity of 4,700 m^3 and RO Desalination Plant with a capacity of 3,400 m^3/day
- Sewage Network: with a length of 16 km and diameters ranging from 160 mm to 500 mm, including a Compact Unit WWTP with a capacity of 1,600 m^3/day and Sewage Pump Station with a rate of 33 l/sec
- Firefighting Network
- Irrigation Network: with a length of 15 km and diameters ranging from 75 mm to 315 mm, including irrigation tanks with a capacity of 2800 m^3
- Electricity, Street Lighting, and Ancillary Buildings
- Storm Drainage Network: with a length of 1.2 km and diameters ranging from 160 mm to 600 mm, including a storm tank with a capacity of 1400 m^3
- Tie-ins for Landscape, Fence Lighting Network, and Gates
- Communications and Security Systems Network
- Subsoil Drainage