

PARKING LOT OF SAN AGUSTIN (GRANADA)

As a result of the awarding in the public tender No. 16/93, on December 23, 1993 Parquigran S.L. signs an agreement with the city council of Granada for the drafting of a project on an underground parking to be located at *Plaza de San Agustín* and its subsequent construction and exploitation.

In view of the needs and business prospects in the area, Parquigran decides to, and so does, build a parking lot with space enough for 448 vehicles.

The construction area of the parking is 12.552 m², divided into 6 underground floors, with eleven lower levels and a total depth of 18 meters from level 0.00. When this parking came into operation, it was the second parking in greater depth in Spain.

To carry out the works, Parquigran had the collaboration of renowned companies; specialized in foundations, pile driving and special works, since the perimeter slurry walls, of 80 cm thick, reached 25 meters depth. These walls are fixed to the subsoil with a four-row anchorage system, creating cavity walls around the perimeter in order to channel possible filtrations. The foundation slab, which seals the parking at level -6, is built with a thickness of 80 cm and the structure frameworks are coffered grids of waffle mould forms.

PARKING CONSTRUCTION FIGURES:

- **Earthworks** **55000 m³**
- **Concrete used** **15000 m³**
- **Iron used** **1500 Tm**
- **Workforce** **180**
- **Project deadline** **16 months**

On April 9, 1996, this parking lot began to operate. The result was a very positive occupation and an average rotation of 1400 vehicles per day, achieving the market research expectations. Nowadays, this parking is the most important of the city of Granada. Not only for its capacity of vehicles but also for its location in the city center, near the metropolitan cathedral and for the large number of vehicles using the facilities every day.