

IPERCOOP SUPERMARKET CARPARK

SUDS BASIN UNDER THE CARPARK

Location: Reggiolo, Italy

Designer: Tecton s.r.l.

Total project surface: 6,400 sqyd

Basin surface: 1,680 sqyd

Water storage capacity: 129,458 gal (USA)

Load type: Cat. 2 (16,530 lb/wheel)

Product used: Drening

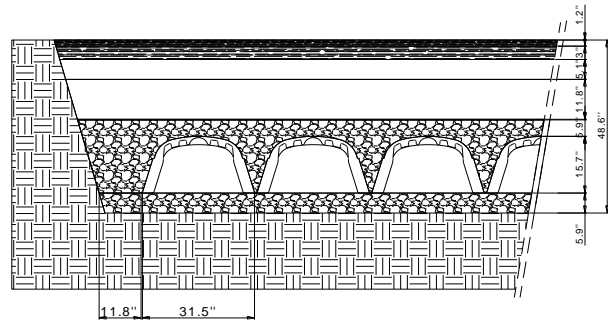


Fig. 1 – System cross-section



Fig. 2

Installation of the Drening chambers in a diamond-shaped area.



Fig. 3

The system is wrapped in non-woven geotextile.



Fig. 4

Gravel backfill



Fig. 5

Finished carpark

Drening was installed in a diamond-shaped area following the shape of the carpark (compare fig. 2 with fig. 5), and avoid the creation of voids in the immediate proximity to the supermarket building. Geotextile was wrapped all around the perimeter of the dig to contain the clay during the work and avoid the ingress of fine particles in the system.