

# Pontault-Combault - Storage and pollution control basins

Capacity: 6000 and 300 m<sup>3</sup>



## Country

France

## Client

Ville de Pontault-Combault

## Date

2004-2007

## Cost of works

€3.4m exc. VAT

## Sogreah's services

- ▶ Design services and project supervision



## Aims

To handle stormwater discharges by:

- Reducing pollutant discharges into the natural environment in order to meet water regulations in compliance with the master plan for the Morbras,
- Controlling flooding in order to protect local inhabitants against 10-year events.

To meet this twofold aim, Pontault-Combault town council is constructing two storage and pollution control basins:

- One with a capacity of 6000 m<sup>3</sup> under a football field;
- One with a capacity of 300 m<sup>3</sup> under the playground of Pablo Neruda school.

## Characteristics

### 6 000 m<sup>3</sup> basin

- Buried circular basin with diaphragm walls, 35 m in diameter.
- Semi-buried technical equipment room.
- Energy dissipation by means of a spiral staircase.
- Manual and automatic screen raking.

- Emptying in 24 hours.
- Rinsing by release of a central water column held up by vacuum pumps.
- Ventilation and deodorisation on activated carbon.
- Mobile access staircase equipped with floats.
- Remote monitoring and automatic control systems.

### 300 m<sup>3</sup> basin

- Buried rectangular basin made of sheetpiles.
- Emptying by flush valves.
- Ventilation and deodorisation on activated carbon.

SETS/WEB/0408