

## Cholet

### Stormwater detention basin in the Cormier urban development zone and related treatment facilities



#### Country

France

#### Client

Communauté d'Agglomération du Choletais

#### Date

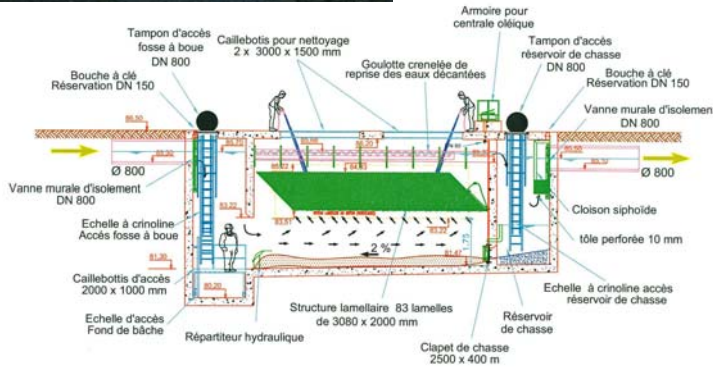
2005 - 2008

#### Cost of works

€1,150,000 excl. VAT

#### Sogreah's services

- Full project management: Stormwater detention basin, treatment facility and related feeder & outlet structures.



#### Aim of works

The works consist in the construction of a stormwater detention basin and of the corresponding feeder treatment and outlet structures in the Cormier urban development zone in Cholet.

#### Characteristics

- Stormwater detention basin (35,000 m<sup>3</sup>) with a geomembrane and surface drainage on the embankment and side slopes
- Treatment facilities: lamellar settling tanks (412 l/s and 300 l/s)
- Adjustable outlet flow rate, from 180 to 710 l/s
- Structures made of gabions

#### Main challenges

- Water infiltration necessitating the laying of a geomembrane and of surface drainage on the embankment and side slopes.
- Landscaping of the basin and of the Gourmand stream.
- Water treatment targets

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