

# Le Havre - Place Docteur Levesque 3400 m<sup>3</sup> storage-outlet basin



**Country**  
France

**Client**  
codah

**Date**  
2005-2008

**Cost of works**  
€3.1m exc. VAT

## Sogreah's services

- ▶ Design services and project supervision (preliminary and detailed designs, assistance with works contract, inspection of working designs, supervision of works implementation, organisation, planning and coordination, assistance with acceptance procedures)
- ▶ Impact assessment and initiation of public enquiry

## Context

Following the sewerage master plan drawn up for the city of Le Havre in 1998, several anomalies were found in relation to the Bléville main that runs from Place Docteur Levesque in the upper part of the city. These anomalies confirmed the flooding frequently observed in the sector and the overflows from the sewerage network that cause damage in local shops and are an inconvenience to local residents. With a view to solving the problems of flooding in Place Docteur Levesque and limiting flows downstream (where the hydraulic capacity of the networks

is insufficient in the event of heavy rains), it was recommended that a 3400 m<sup>3</sup> storage/outlet basin should be built.

## Description

- Creation of a buried 3400 m<sup>3</sup> diaphragm wall basin with an underground equipment room adjoining the basin.
- Creation of several feeder pipes running from two streets leading to Place Docteur Levesque, as well as stormwater drains.
- Creation of a delivery system for emptying the basin.
- Reinstatement of the site and restoration of the parking area in Place Docteur Levesque.

Sogreah had to take into account various constraints connected with the site in designing the stormwater storage basin, in particular:

- Dense urban area: road traffic to be maintained, and noise and smells to be limited.
- Occupation of Place Levesque: limited working areas, shifting of the weekly market to adjacent streets.
- Hydraulic context of the square: installation of stormwater drains and resizing of the mains feeding the basin.

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