

Fürth

Sewer with Stormwater Storage Capacity, Würzburger Str.



Client

Stadt Fürth,
Stadtentwässerungsbetrieb
[City of Fürth, Drainage
System]

Period

2005 - 2008

Project Cost

3.000.000 €

Abstract

As a result of pollution load measurements carried out by Schlegel, a new combined water discharge system with a storage tank had to be installed to replace the existing storm water overflow in the Würzburger Str. Following the preliminary variation inspections, construction of a sewer with storage capacity proved to be technically and economically the best alternative in Unterfarnbacher Str.

Due to the depth of about 9 m below the ground level, the sewer with storage capacity was installed by microtunneling. The existing soil changes from sand to rock with flow of strata water. The discharged combined wastewater was mechanically pre-treated by a drum screen and cleaning of the sewer with storage capacity followed by the method of flushing.

Scope of Service

pre-design, design, approval design,
execution design, preparation of tender
documents, construction supervision,
documentation, site supervision

pollution load calculation
hydrodynamic calculation of sewer networks

Technical Data

Sewer with stormwater storage capacity, 280 m

DN 2400, microtunneling

Volume 1,160 m³

Technical equipment

- Flushing
- Drum screen
- Draining pumps