



## Berlin-Steglitz storm sewer

Intensive use and high traffic loads in the Berlin district of Steglitz-Lichterfelde Ost resulted in deterioration of a concrete storm-water sewer (hood cross-section 1560x1770 mm). In view of the damage detected and the load conditions, the HOBAS NC Line pipes were calculated on the basis of „old pipe condition II“ to ATV M 127 Part 2. They were then manufactured using a calibration template that was a replica of the old pipe shape. Two-meter lengths were laid in the straight sections of the sewer and one-meter lengths in the curved sections.



*HOBAS NC Line pipe installation*

The HOBAS pipes were joined with push-on couplings bonded in place by laminate hand lay-up. Precautions were also taken during installation to prevent flotation. After tightness testing to DIN EN 1610 procedure „W“, grout was injected section by section.