PipeFlo Contracting Corp.

BEROLINA-LINER INSTALLATION

1. Construction site equipment / barriers

The UV curing equipment will be - as far as possible - installed close to the position to be rehabilitated and an appropriate traffic safeguard will be established.

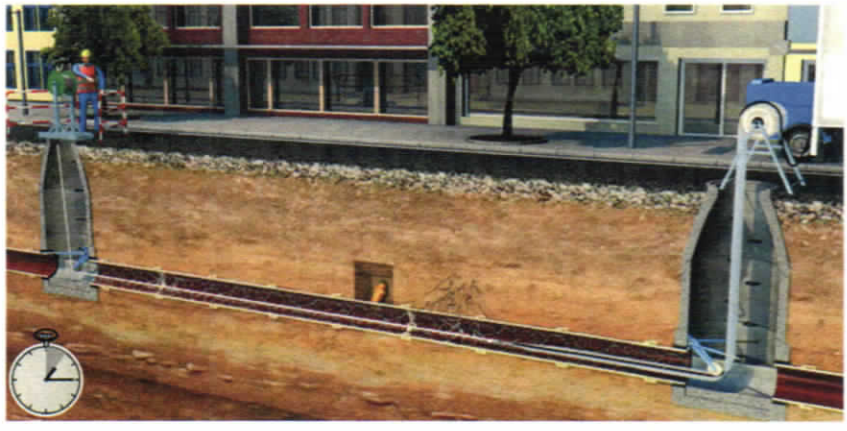
2. Blocking the inflow (bypassing operation)

The sewer will be blocked upstream of the position to be rehabilitated and the possibly arriving wastewater will be over pumped.

3. High-Pressure cleaning (jetting) and subsequent TV-inspection

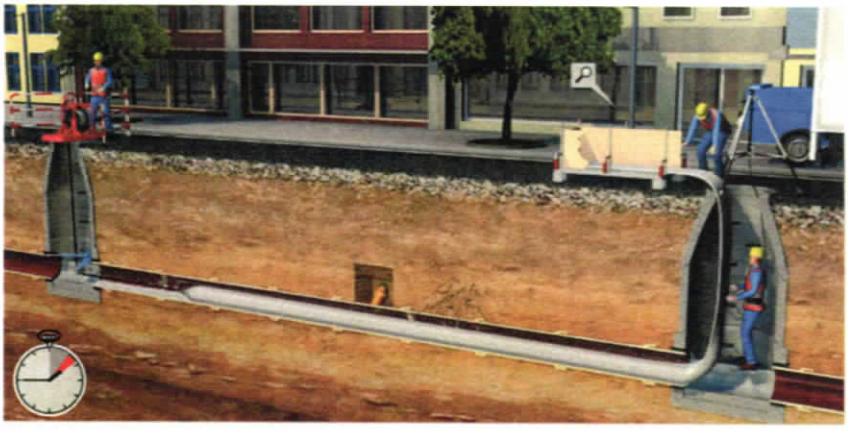
After blocking the upstream inflow the host pipe section must be cleaned by high pressure jetting. The cleaning result subsequently must be checked by TV-inspection.

Installation of the gliding foil



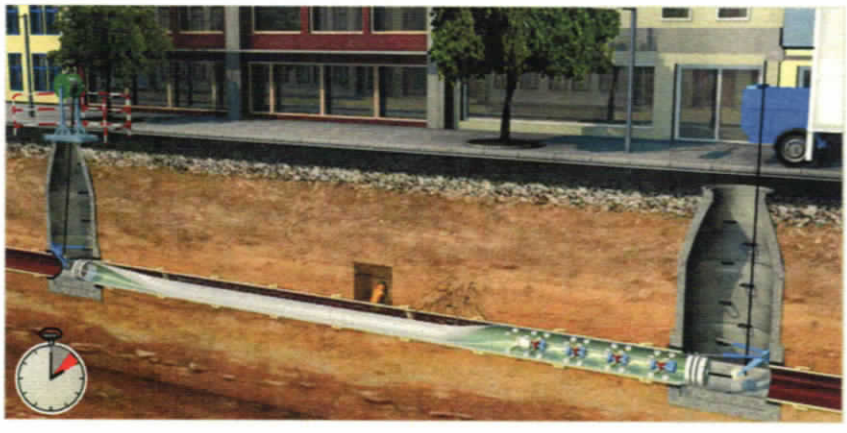
A gliding foil will be installed to protect the Berolina-Liner against damages in the existing old type.

4. Liner installation



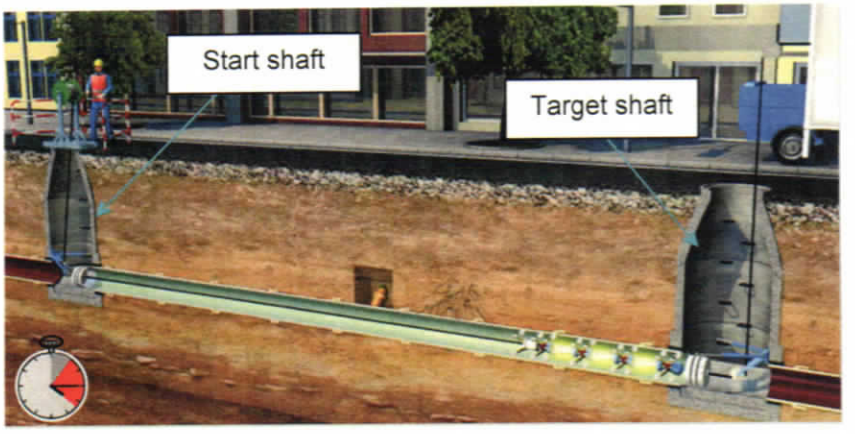
The Berolina-Liner will be installed on the existing gliding foil by using a hydraulic winch.

5. Calibration of the liner



The liner will be closed with end cans, it will be positioned and the UV light source will be applied. The liner will now be calibrated, i.e. it will be blown-up with increasing pressure and expanded until it is aligned closely to the old pipe.

6. Curing of the liner



After calibration, the liner will be cured with UV light. For this purpose, the light train will be ignited at the start shaft and pulled to the target shaft. The target shaft is always the shaft nearest to the curing equipment.

7. Final works

After the curing has been completed, the liner will be cut at the shaft and the inflows will be opened with a milling robot.