

BACK FROM “BEYOND REPAIR”

CORSYS PLUS HAS PROVED ITS RELIABILITY

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Specialists from the POLYPLASTIC Group were invited to visit a construction site of a 3 km sewer pipeline made of CORSYS PLUS pipes (D: 2200 mm).

It had been discovered that one of the sections, about 300 metres out of the total length of 3 km, had an unacceptable level of ovality. In some places it reached 20% and could go beyond that given the movement of the heavy construction machinery above the pipeline.

The cause of the section deformation was obvious: the contractor did not follow their requirements for backfilling, ground compaction and earthfill. It could have been one of several contractors who had been in-

involved in the construction project since 2010.

After inspection, specialists from the POLYPLASTIC Group concluded that all the pipe joints had maintained their integrity and soundness, despite the critical deformation during the last 1.5–2 years.

The operating company refused to accept the faulty section of the pipeline. So the customer and the general contractor decided to remove the entire backfill and eliminate pipe ovality with subsequent backfill.

The POLYPLASTIC Group offered a simple and effective solution to eliminate the ovality. Adjustable wooden jacks were installed inside the pipe. The vertical diameter of the pipe was

restored to the standard value with lateral wooden planks. Then the layered backfill and compaction was undertaken to standard requirements. The jacks were removed after the backfill.

Control checks of pipeline ovality were conducted one month after completion of the work, in the presence of representatives from the POLYPLASTIC Group, the design company, the customer and the contractor. The tests showed ovality was no more than 0.5% and the pipe joints had retained their integrity.

CORSYS PLUS pipes have demonstrated their high flexibility and reliability once more by withstanding process violations and subsequent restoration.

