

# HOBAS® WaterLine® through Town, Country, River (CZ)

A part of the Bilina potable water project in the Czech Republic has already been successfully implemented in 1998. About 1 km of HOBAS® CC-GRP WaterLine® DN 500, SN 10000, PN 16 were installed that time. One of the reasons for the client to choose CC-GRP over steel and cast iron was that it is non-conductive and therefore corrosion resistant regarding the magnetic field created by the railway track nearby. Satisfied with the performance of the HOBAS Pipeline, the client again opted for HOBAS CC-GRP Pipe for the Zelenice-Bilina extension project launched in 2004.



The extension project was co-financed by the EU program ISPA and involved the reconstruction of a part of the existing DN 600 potable water main running along the same railway track and from the highway to the river Bilina. All in all 5.7 km of HOBAS CC-GRP WaterLine® Systems DN 500, PN 16, SN 10000 were utilized for the project that was completed in 2006.

Between Libesice u Zelenic and the Ledvice power plant, the line passes beneath roads, along the river Bilina, beneath a camping site, a public pool, a sports ground, gardens and green space until it finally reaches the wall of the trained river. From here on the original steel pipe on suspensions



was preserved and the protective pipe around it was exchanged for HOBAS Pipes. The line continues through green space, roads and the train station and ends in a shaft. The section between the station and another shaft, which also connects to the Chlum water reservoir, was already reconstructed in 1999 and reconstruction works could be taken up from that point ending at Ledvice power plant.



The client SVS a.s. Teplice and the supplier HOBAS Pipe Czech Republic were very pleased with the completion of the reconstruction project with CC-GRP WaterLine® Systems and look forward to a long and failure-free service life.



Overview	
Year of Construction	2004 - 2006
Length of Pipe	5.738 m
Pressure Class	PN 16
Diameter	DN 500
Stiffness Class	SN 10000
Installation Method	open cut
Application	WaterLine®
Client	SVS a.s. Teplice
Contractor	SMP CZ a.s. Praha
Advantages	corrosion resistance, system solution