

HOBAS® Jacking Pipes Prove their Worth in Hungary

Budapest and Budaörs Invest in Local Storm- and Wastewater Discharge

On highly frequented roads, at highway crossings, but also in urban areas where under- and overground infrastructure is becoming denser and denser, there is a strong tendency toward trenchless installation of pipes. Also in Hungary HOBAS Jacking Pipes proved to be the best solution in the two following projects.

In **Budapest's** 8th area, several collectors were to be installed to transport sewage from the major part of the city to the adjacent treatment plant. The contractor, who is convinced of the unique properties of HOBAS Jacking Pipes from successfully completed projects in the past, opted for HOBAS Pipes D_e 1720, SN 32000, PN 1. A 33-m-long part was jacked beneath a busy 8-lane road; further 170 meters were installed heading to Rezső Square. Opening a trench for the pipes would have been impossible as the disruptions to traffic and residents due to the lengthy construction time would not have been acceptable.

Inspections of the storm- and wastewater collector in **Budaörs** in the west of the Hungarian capital Budapest showed that the old concrete sewer called for urgent renewal. Especially heavy rainfalls would overburden the pipe's capacity. Due to the outstanding hydraulic properties and the swift installation, the client opted for HOBAS CC-GRP Jacking Pipes. The pipe coverage near the thrust pit was quite small, around 70 cm. Thanks to trenchless installation, however, traffic disruptions could be completely avoided. Since the route runs beneath the heavily frequented highways M1 and M7, the pipes further scored with their high load capacity. In addition, a PE pipe paralleling the sewer needed to be protected from static and dynamic loads. For this, the contractor decided to insert the line in a HOBAS Jacking Casing Pipe D_e 501, SN 320000, PN 1.

The projects were completed to the total satisfaction of everyone involved and now provide for optimal storm- and wastewater discharge in both Hungarian cities.

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Project Budapest
 Year of construction
2010
 Total length of pipe
203 m
 Pipe specifications
D_e 1720, SN 32000, PN 1
 Application
Sewer pipeline
 Client
FCSM Zrt.
 Designer
FÓMTERV Zrt.
 Contractors
COLAS-Alterra Zrt.
 Advantages
Excellent hydraulic characteristics, high chemical resistance, corrosion resistance, low weight, easy installation

Project Budaörs
 Year of construction
2006 - 2007
 Total length of pipe
174 m
 Pipe specifications
D_e 1499 and D_e 501, SN 320000, PN 1
 Application
Sewer pipeline
 Client
Municipality of Budaörs
 Designer
KUTÉP KOMPLEX Bt.
 Contractors
Acél Vakond Kft.
 Advantages
Excellent hydraulic characteristics, low weight, easy installation, high load capacity