

HOBAS[®] Case Study

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HOBAS[®] in Transylvania - It's Not a Myth!

Sighisoara, located at the Tarnava River in Romania, has been dubbed “the Pearl of Transylvania” for its picturesque landscape and medieval citadel. The citadel is considered the most beautiful and well-preserved in Central and South-Eastern Europe and is listed as UNESCO World Heritage. However, set on a hill, its precious walls and towers were highly endangered due to unstable soil.



It seemed that under these conditions, the town's original, relatively heavy reinforced concrete sewer was no longer suitable. Soil instabilities under slopes and narrow streets lined with historical 12th century buildings such as the turret clock and Vlad Dracula's birth place, to mention only a few, asked for a highly durable lightweight product, that

is easily aligned and joined for a fast installation. On the initiative of Aquaserv Tg.Mures and the town hall, Sighisoara obtained EU funds through the SAMTID (Small and Medium Town Infrastructure Development) program that supports the rehabilitation and modernization of the water supply and wastewater systems.

A new pipeline route close to the former sewer now accommodates a broad range of HOBAS CC-GRP SewerLine[®] Pipes from DN 400 to 1000, PN 1, SN 5000 which were installed by open trench. The pipes were delivered by HOBAS[®] Pipe Systems Romania within a very short period of time so that construction works could be taken up promptly. The contractor was amazed by the ease with which HOBAS[®] Pipes are jointed and realized that pipe installation proceeded faster than the trench could be prepared.



The second part of the sewer was relined. Open trench was not an option in this case because of the old delicate buildings and for the longer construction time which would have been more disruptive for inhabitants and tourists. The designer along with the local authorities and contractor were unwilling to take any risks and chose relining.

The project was highly acknowledged by designers and local authorities. They were impressed by the small work site and the fast installation. Moreover, conducting different installation technologies confirmed the adaptability and flexibility of HOBAS Products.

Year of Construction	2006 - 2007
Duration of Construction	15 months
Length of Pipe	716 m
Pressure Class	PN 1
Diameter	DN 400 - 1000
Stiffness Class	SN 5000
Installation Method	open trench, relining
Application	SewerLine®
Client	Aquaserv Tg. Mures
Contractor	INSPET Ploiesti
Advantages	light weight, easy & fast installation, high quality and long lifetime

For further information:

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