

Auger Boring in Record Time

Installing a Storm Sewer with **HOBAS®** CC-GRP Jacking Pipes, AT

Southeast Styria has recently had to contend with frequent flooding and mudslides. Torrential rains and the huge amounts of water occurring have caused considerable damage, giving rise to concern in the community. Fast action was required and the Feldbach town council therefore decided to implement a storm overflow project.



The project was the first in Austria to use HOBAS GRP Jacking Pipes DE 924, SN 128000 for guided auger boring. A trenchless technique, which involves jacking the GRP Pipe into the ground and removing the excavated soil through the inside of the pipe with augers in a steel casing. As a result, the inside surfaces of the pipes are subject to substantial loads. HOBAS Pipes have an abrasion-resistant internal surface and during the project proved once again that they can also be used for this installation method.



Prior to laying the pipes, HOBAS experts developed the storm overflow concept in cooperation with Achim Konrad from Feldbach town council and Bernhard Schilcher from Lugitsch Ziviltechniker GmbH. It was at this stage that they also decided to use jacking pipes made of GRP. The decisive

factor was not only the HOBAS team's commitment, but also the competitive quotation from HOBAS Pipe Austria for the 6 m pipes.

The project tender did not specify any particular installation technique. RBS Rohrbau-Schweißtechnik GmbH was awarded the contract for its proposal of auger boring and provided advice during project planning. The only drilling company capable of boring the required diameter, RBS used HOBAS GRP Pipes for auger boring for the first time. After having adapted its drilling equipment to fit the outside diameter of the HOBAS Pipes, the company carried out boring quickly and without any trouble. Even a slight in-stable was no problem with the HOBAS Pipes and work was completed in record time of only six days.

The client, planners and contractors were all extremely pleased with the pipes. The storm sewer is an impressive demonstration of the fact that HOBAS Products are also suitable for use in auger boring.

Overview	
Year of Construction	2009
Construction Time	6 days
Total Length of Pipe	80 m
Stiffness Class	SN 128000
Diameter	DN 800 (DE 924 mm)
Installation method	Jacking
Application	SewerLine®
HOBAS Experts	Johann Fabach, Siegfried Kreuzer and Gerhard Szigeti
Client	Feldbach town council
Planner	Lugitsch Ziviltechniker GmbH
Contractor	RBS Rohrbau-Schweißtechnik GmbH
Advantages	Use of HOBAS Pipes for guided auger boring, abrasion resistance of the HOBAS Products' internal and external surfaces, rapid installation, professional advice from HOBAS experts