

HOBAS® Case Study

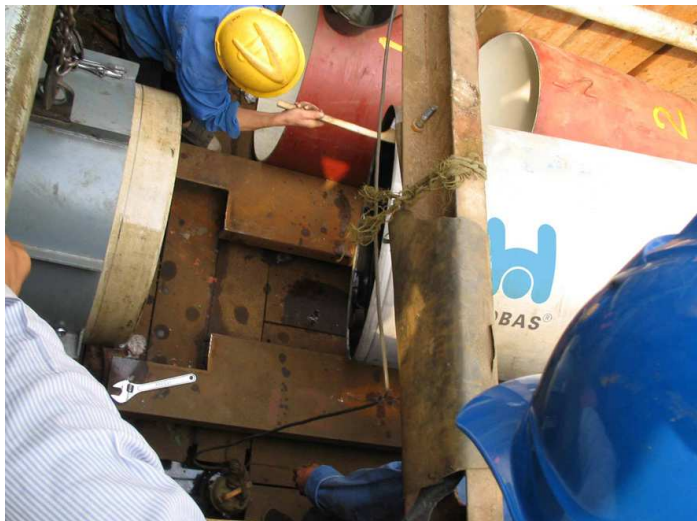
September 2007

Rehabilitation by HOBAS® Sliplining in China

The Shanghai City North Water Supply Company owns a DN 900 cast iron sewer pipe in Shui Dan Road. The product life cycle of the pipe was at its end and so the company had to deal with frequent ruptures in and failures of the line. The rehabilitation of the pipe was therefore inevitable. Due to the heavy traffic on the given road section it was impossible to apply the open trench method for installation and the client opted for a trenchless relining method. Reviewing various relining proposals, HOBAS®



CC-GRP Jacking Pipes with steel collars were chosen as the best solution. The requirements regarding pipe design are: HOBAS Pipes with an outer diameter of 800 mm, SN 5000, PN 8. The roughness coefficient of the inner surface is 0.009 - 0.01. Given the data above, calculations showed that the flow capacity of the HOBAS® CC-GRP Pipe DN 800 was similar to that of the DN 900 cast iron pipe.



The installation was started in October 2006. Starting and receiving pits were established at suitable locations along the course of the sewer. The old cast iron pipe was cleaned and working platforms were installed. Then about 1163 m of DN 800 HOBAS® CC-GRP Pipes were

pulled into the old pipeline in three sections.

The performance of the HOBAS Pipes was very satisfying and so the completion of this project in Shanghai tipped the scales for the promotion and development of relining projects with HOBAS[®] CC-GRP Pipes in the region.

Year of Construction	2006
Length of Pipes Laid	1163 m
Pressure Class	PN 8
Diameter	DN 800
Stiffness Class	SN 5000
Application	Sliplining
Client	Shanghai City North Water Supply Company
Contractor	Shanghai Waterworks Construction Company, Ltd.
Advantages	Easy installation High corrosion resistance Low overall price Long operation life

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