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HOBAS® CC-GRP PIPE SYSTEMS FOR A TREATMENT PLANT IN DUNAÚJVÁROS – CASE STUDY

The city Dunaújváros with its approximately 53,000 inhabitants lies about 67 km to the south of Budapest. After the establishment of a sewage and rainwater system in Dunaújváros in 2000, it was necessary to connect the communal sewage and rainwater disposal to the central treatment plant. The new line was to be built near the river Danube in a local nature reserve and it was important to be in accordance with the terms of the nature conservation association.



The utilization of steel pipes was intended according to the original design. But plans were changed, for an anticorrosion coating and lining would have been very expensive.



Finally, the client decided for HOBAS CC-GRP SewerLine®. The pipes have been laid above ground and are UVA and UVB resistant.

Further, they are installed on concrete sleepers due to the yellow soil, which is not compact and therefore prone to give little foothold.

It was very important to fix the HOBAS Pipes and Sealtight® Couplings well since they are laid in steep inclination - differences in altitude are very large, **sometimes even 15 m** - and leak tightness is a substantial criteria in nature reserves.

HOBAS CC-GRP SewerLine® of DN 500 was utilized for the sewer whereas rainwater is transported through HOBAS CC-GRP Pipes of DN 1000. The lines run parallel to each other

Year of Construction	2000
Duration of Construction	6 weeks
Length of Pipes Laid	700 m
Pressure Class	PN 1
Diameter	DN 500, DN 1000
Stiffness Class	SN 2500, SN 5000
Method of Installation	Above ground on concrete sleepers
Application	Communal sewer, Rainwater sewer
Client	Dunaújvárosi Szennyvíztisztító Telep
Contractor	Délviép Rt.
Features	UVA/UVB resistant, Abrasion resistant, Leak tightness, Long lifetime

All of these difficult circumstances resulted in choosing GRP pipes which have now become an established superior alternative to other conventional piping material.

For further information:

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