



Make things happen. **HOBAS®**

HOBAS® Clears the Way for Europe's Longest Tunnel

Safe Stormwater Discharge with **HOBAS®** Pipes in Prague, CZ

The 6,382-m-long tunnel that is currently being constructed under Prague promises considerable traffic relief in the northwest of the city. Once the works are finalized in 2011 the tunnel shall be connected to further 17 km of underground road. All together, this subterranean complex will not only be the longest tunnel in the Czech Republic, but also Europe's longest intra-urban tunnel.



CC-GRP Pipes were used for this purpose. Rubber strips inserted between the steel supports and the couplings as well as rubber lined steel belts restraining the pipes were utilized to protect the pipeline material. Since low temperatures are expected for the winter months, the line was equipped with heating wire and thoroughly insulated. The remaining pipe section between the bridge and the old sewer was laid in a trench.

After completion of the tunnel's top, the HOBAS Pipes DN 1600 were installed on the former route of the stormwater line. The pipes were encased in concrete on a surface of 180 degrees for there was no possibility to backfill the pipe zone and trench.

For the part where the new pipeline DN 1600 replaces the old concrete line DN 2000 and conveys the water to the Vltava River through a flood wall, 6 m standard length HOBAS Pipes were installed by relining. They were transported into the host pipe with the help of a vehicle constructed by the contractor. The pre-mounted FWC couplings were easily joined with a simple jack. After having fixed the pipes in position, the annular space between the old and new line was grouted.

Due to the project's spread over a large area, lots of old pipelines had to be redirected and new lines installed; one of which conveys stormwater to the Vltava River. Since the new underground road was built in the vicinity of the old concrete line DN 2000, a temporary 30 m stormwater discharge was set up and fixed on supports on a make-shift bridge before construction works commenced. 5.85 m long HOBAS



To ensure that even heavy rainfalls would do no harm and to ultimately clear the way for Europe's longest intra-urban tunnel, HOBAS Czech Republic also delivered bends, fittings and shafts.

HOBAS CZ spol. s r. o.

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Overview	
Year of Construction	2009
Total Length of Pipe	181 m
Diameter	DN 1600
Pressure Class	PN 6
Stiffness Class	SN 10000
Installation Method	on supports, above ground, relining
Application	SewerLine [®] , BridgeLine [®]
Client	OMI Praha
Contractor	Energie a.s.
Advantages	High corrosion resistance, light weight, excellent hydraulic properties