



The Storm Sewer System AQUATUB-Rw

Site Report Extension to Six Lanes of Autobahn A 4 Aachen – Görlitz

- **Section** exit Magdala to exit Jena/Göschwitz
- **Length** about 11.8 km
- **Client** DEGES Deutsche Einheit Fernstraßenplanungs- und -bau GmbH
- **Building contractor** HELIT + WOERNER Bau GmbH
- **Building period** 2008 till 2012 (scheduled)
- **Project** road drainage in traffic route construction for the extension of A 4 to six lanes
- **Pipe products used** AQUATUB-Rw of 150 to 600 mm in diameter
AQUATUB-RwR 150 mm
SIROPLAST-K 150 mm
- **Manholes used** concrete manholes 1000 mm





Designed and built in the 1930ies, the motorway A 4 Aachen - Görlitz no longer comes up to current standards, in many respects.

Being the main transport connection between the State of Hesse and the Free State of Saxony, the segment from Eisenach to Görlitz has been undergoing busy reconstruction in various route sections for some years. The section between the exits of Magdala and Jena/Göschwitz is vitally important for an efficient connection between the regions of Middle and East Thuringia.

While the neighbouring sections to the West already have six lanes and the adjoining part in the East is under construction and will be completed soon, traffic routing in the "Leutratal" section is rather adverse. The roadway adapted to the uneven topography of the Leutra valley shows long and, in some places, extremely ascending slopes. With the construction of the 3 km long Jagdberg tunnel, the motorway was taken out of an ecologically sensitive geographic region so that a bottleneck that was extremely prone to disturbances could be cleared.

This section of 11.8 km in length was designed and built by DEGESS

GmbH. From the economic point of view, surface and subgrade drainage is of considerable importance in the realisation of motorway projects.

Over the past few years, it has become more and more common to use thermoplastics pipes for surface drainage. The PE twin wall pipe systems from HEGLER in Oerlenbach, who have invented and developed this pipe technology, are often given preference because of their outstanding characteristics: long service life, high load-bearing capacity suiting SLW 60 classified roads, excellent impact resistance at temperatures below zero so best suited for construction in winter, unmatched abrasion resistance, ease of installation and maintenance.



Pipe/chamber systems installed or to be built-in

- **AQUATUB-Rw**
DN 150 to DN 600
(abt. 23,500 m; carrier drain)
- **AQUATUB-RwR DN 150**
(abt. 1,000 m; connection to road gullies)
- **SIROPLAST-K DN 150**
(abt. 35,500 m; subsoil drain for subgrade drainage)

HEGLER

Corrugated and Twin Wall Pipes of Plastics

