

Storm Water Sewer Pipe/Chamber System AQUATUB-Rw/MULTI-*inspect* DUO

Site Report Road Surface Renewal of Motorway A 44 Mönchengladbach – Krefeld

- **Section** AK Neersen – AS Krefeld-Forstwald
from construction km 69 + 251 to km 75 + 200
- **Length** About 6.0 km
- **Client** Die Autobahn GmbH des Bundes, NL Rheinland
- **Building contractor** Wolff & Müller Tief- und Straßenbau GmbH & Co. KG
Branch Dortmund
- **Building period** February 2021 to April 2024 (planned)
- **Project** Renewal of surface drainage in the course of
the reconstruction of all lanes
- **Pipe products** AQUATUB-Rw DN 150 to DN 600
AQUADRAIN DN 150
- **Chamber system** MULTI-*inspect* DUO

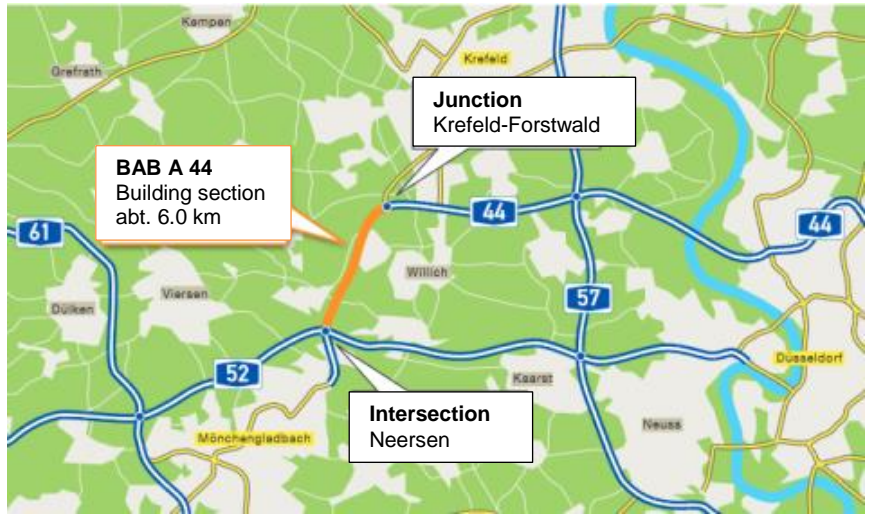


Pipe and chamber systems
of PE-HD for professional
drainage in pickaback arrangement





Connection of road outlets to the roadway drainage system at an elevated crossing



Renewal of BAB A 44 from AK Neersen to AS Krefeld-Forstwald

Renewal of road surface including drainage system of BAB A 44 in the section between AK Neersen and AS Krefeld-Forstwald

The A 44 motorway is a principal connection in the area of the three cities, Düsseldorf – Mönchengladbach – Krefeld. Due to the high traffic load there, rapid execution of the construction measure was essential. Accordingly, great importance was attached to the completion deadlines of the subsections of drainage and asphalt paving.

As to asphalt paving, all steps, from the mixing plant, via transport to the site and paving by the paver, were controlled in a most efficient and optimum way by the digital planning and real-time system BPO Asphalt. This allowed continuous placing of the road surfaces, without any delays.

For the preceding installation of drainage pipes and chambers, the client went for a product system complying with the requirements for SLW 60 classified roads and ensuring easy handling on site with speedy and efficient installation due to a low weight.

The AQUATUB-Rw pipe system of PE-HD meets all those requirements. The saving in weight that is possible thanks to the special manufacturing process, the twin wall pipe technology, permits a pipe system that is easy to handle and, with a ring stiffness value of $S \geq 8 \text{ kN}^2$, is still of excellent stability. This guarantees long-term reliability even inside the lane under SLW 60 traffic loads. Also of advantage is the extensive and professional range of fittings facilitating installation and assembly.

The combination of AQUATUB-Rw carrier pipes, AQUADRAIN civil engineering drainage pipes (also in SN 8 quality) and MULTI-inspect DUO inspection and flushing chambers has proven itself in practice. Installation of the drainage system between the manholes could be facilitated and clearly accelerated.

Pipe/chamber systems installed:

MULTI-inspect DUO	abt. 180 pcs.
AQUATUB-Rw DN 150 to DN 600	abt. 9,400 m
AQUADRAIN DN 150	abt. 8,700 m



Chamber system MULTI-inspect DUO with carrier pipe AQUATUB-Rw in confined space



Connection of swale drainage with flexible pipe line AQUATUB-RwR DN 150

HEGLER

Corrugated and Twin Wall Pipes of Plastics

