PROJECT REPORT

Sankt Augustin-Hangelar
Federal Police

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Pipework installation for a Federal Police site

Modernisation of a site that has evolved over time

Many of the buildings, roads and utility networks on the site date back to the 1930s. As part of the overall project, existing infrastructure is being renewed and adapted to the site's future requirements. Under the leadership of the NRW Building and Property Management Authority, a total of 86 packages of works are being implemented across seven construction phases. In addition to new buildings and rehabilitation, the project also includes the redesign of open spaces and service areas.

Construction of new stormwater and wastewater sewers

One component of the infrastructure works is the renewal of the sewage and rainwater sewers. In total, around two kilometres of PE-HD pipes with nominal diameters ranging from 160 to 1200 will be laid. The pipes will be joined throughout using the helical induction welding method. The work is being carried out in close coordination with the other measures on the site and within the constraints of a site that remains a functioning government office.

Sewer construction under special conditions

The construction work places various demands on planning and the construction process. Throughout the entire construction period, the existing outfall must be maintained to ensure that water can drain away from the site. Furthermore, parts of the sewer construction are taking place at depths of more than five metres and, in some sections, in stepped trenches. Further constraints arise from the site's location within a water protection area, as well as from existing utility and infrastructure routes. As a full preliminary survey of the route was not possible, the search for metallic obstructions is being carried out as the works progress.

Infrastructure for the site's further development

The work on the sewer network forms part of the extensive modernisation of the Federal Police site in Sankt Augustin-Hangelar. In addition to the requirements of sewerage and civil engineering works, the project is characterised in particular by the need to carry out the work whilst operations continue, as well as its integration into a long-term expansion programme. In this way, the infrastructural conditions for the site's further development are being established step by step.

Impressions

Image notes

1

The canal is being constructed at depths of more than five meters, partly in stepped trenches.

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The construction of new sewage and rainwater drainage channels is a key component of the development plan for the federal police headquarters.

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Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR GmbH & Co. KGaA
Walter-Gropius-Straße 23
80807 Munich
T +49 89 71001-0
E-Mail: info@porr.de