

Specialist Press Release

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Bauer Spezialtiefbau constructs excavation pit for office and commercial building in Munich's Central Station district

Munich, Germany – In the center of the Bavarian capital and directly adjacent to Munich Central Station, a new commercial and office building is currently being constructed on a demolition site. Since April 2022, BAUER Spezialtiefbau GmbH has been constructing a retaining structure with a total of 298 piles using the double rotary drilling system (FoW) in the newly vacated site on behalf of PI Projekt Bayerstraße 25 GmbH & Co. KG, a joint venture of the companies Bauwens and Büschl as well as ehret+klein. What makes this drilling method unique: the combination of fully cased drilling with an internal, continuous auger. “The piles reach up to a depth of 18 m below the surface and are being constructed with a diameter of 620 mm using a BAUER BG 30,” explains Nicolai Gügel, Site Manager for BAUER Spezialtiefbau GmbH. “The excavation pit itself is being excavated to a depth of roughly 10.5 m.” In addition, anchor work is being executed with up to seven strands in two layers – in part below the groundwater level as well – along with strut work.

For this work, the excavation pit level was lowered by roughly 1.5 m and an auxiliary retaining structure was installed with lightweight profiles and trench sheets. Another challenge with this project is that three subway tunnels run directly beneath the excavation pit, which is why it cannot be excavated completely or in a single operation. “For this reason, the workspace is divided into sections that are excavated successively in different phases and secured with pit sheeting,” says Nicolai Gügel in conclusion. The main work of BAUER Spezialtiefbau GmbH is expected to be completed in November 2022; including all demolition measures, the project will last until January 2024.

Images: 2022-07_BAUER_Bayerstrasse_Munich...



(1) For the retaining structure, Bauer is constructing a total of 298 piles using the double-head drilling system.



(2) With a BG 30, piles are drilled up to a depth of 18 m.

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About BAUER Spezialtiefbau Group

BAUER Spezialtiefbau GmbH, the original parent company of the BAUER Group, has been a major driving force in the development of specialist foundation engineering. It carries out all of the customary processes of foundation engineering, primarily for excavation pits, foundations, cut-off walls and ground improvements on a worldwide basis. In doing so, BAUER Spezialtiefbau GmbH works closely together with their over 50 subsidiaries and branches across the globe. Regional networks around the world allow for the quick and

flexible application of machines, teams and expertise. Bauer Spezialtiefbau offers their customers individual, creative and economical specialist foundation engineering solutions for demanding construction projects, from planning through to execution. More at bst.bauer.de

About Bauer

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. With over 110 subsidiaries, Bauer can rely on a worldwide network on all continents. The Group's operations are divided into three forward-looking segments with high synergy potential: Construction, Equipment and Resources. Bauer profits enormously from the collaboration of its three business segments, enabling the Group to position itself as an innovative, highly specialized provider of products and services for demanding projects in specialist foundation engineering and related markets. Bauer therefore offers suitable solutions to the world's greatest challenges, such as urbanization, the growing infrastructure needs, the environment, as well as water, oil and gas. The BAUER Group was founded in 1790 and is based in Schrobenhausen, Bavaria. In 2021, it employed about 12,000 people in around 70 countries and achieved total Group revenues of EUR 1.5 billion. BAUER Aktiengesellschaft is listed in the Prime Standard of the German Stock Exchange. More information can be found at www.bauer.de. Follow us on [Facebook](#), [LinkedIn](#) and [YouTube](#)!