

Specialist Press Release

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Bauer constructs piles for the further expansion of the B15

Rosenheim, Germany – The aim of expanding B15 federal highway is to relieve the city of Rosenheim from truck traffic. In the course of this extension of the B15 with the Rosenheim west bypass, a new railway overpass is being constructed at Wernhardsberg over the Munich-Rosenheim railway line.

The joint venture Spezialtiefbau BW 8.2 Rosenheim, comprising BAUER Spezialtiefbau GmbH (technical management) and Menard GmbH (commercial management), was tasked with the required specialist foundation engineering works. For the bridge foundation, 74 fully cased large-diameter bored piles are being constructed with a diameter of 1,200 mm up to a depth of 40 m. Due to the unfavorable soil conditions, the load of the structure will be transferred into the subsoil with the help of a mixed foundation consisting of piles, vertical drains and displacement columns.

Not only is all work being carried out during ongoing railway operation, but the construction soil also poses a particular challenge: It consists of Rosenheim marine clay, a fine-grained, soft, water-logged soil with low load-bearing capacity. “This difficult and sensitive soil places very high demands on the pile installation as well as the accompanying documentation”, explains Project Manager Klaus Stauber. “This is because Rosenheim marine clay is highly unstable due to its properties.”

The marine clay was created approximately 10,000 years ago, after the last Ice Age. When the Inn glacier melted, a lake was formed, generating these fine-grained deposits. The vertical drains and displacement columns provide an additional improvement of the marine clay’s load-bearing capacity.

The work is being carried out with a BAUER BG 46 and a BG 39. The project commenced in summer 2021 and is expected to continue until summer 2022.

Photo: 2022-04_BAUER_Rosenheim ...



A BAUER BG 39 and a BG 46 are in operation. © BAUER Group

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 2020, it employed about 11,000 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!](#)