



Stormwater reservoir, Ingolstadt

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Turnkey construction pits, Sealing slabs
Runtime	07.2021 - 08.2022
Principal	Ingolstädter Kommunalbetriebe AöR

[Project report online](#)

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Protecting the Danube from excessive pollution loads

Pipes channel the biotope water through the construction pit

As the structure is being built in a biotope in the immediate vicinity of the Danube River and crosses the Franziskanerwasser, the project has to overcome a number of hurdles, and fulfil certain requirements under nature conservation law. For one thing, the team had to contend with a difficult subsoil of Danube gravel and fine sand. A construction site road was specially built for the removal of the 15,000m³ of excavated material. The construction pit shoring consists of around 3,800m² of reinforced bored pile wall and 1,200m² of sheet pile wall shoring. The shoring walls are secured by 3,000m of temporary grouted anchors. The high groundwater level means that the base has to be sealed using the jet-grouting method. The Franziskanerwasser is channelled through the wall of the excavation pit via pipes during the construction work. After the structure is completed, the stored topsoil will be replaced up to a height of 4m and the area will be renaturalised as a floodplain forest. The new drainage channel passes underneath the water.

Impressions



Image notes

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The new stormwater reservoir protects the Danube from excessive pollution loads.

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

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