



Dortmund, Emscherallee

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Rehabilitation
Runtime	01.2019 - 12.2020
Principal	Batteux Bauunternehmung GmbH & Co. KG

[Project report online](#)

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Jet-grouted sewer rehabilitation after a surface fracture.

Extreme precision was required as a result of the depth of the DSV elements. All the drilled hole positions were surveyed and adapted to the reference position of the adjacent columns as needed.

The sealing walls were manufactured around the existing sewer channel with an external diameter of 2m. The logistical organisation of the construction site posed another considerable challenge owing to the sheer volume of cement required and the correspondingly large cubage of backflow, which then required disposal.

The construction method of “stump jetting”, introduced by the building authorities, enabled the construction pit to be promptly completed with open dewatering in December 2019, after a construction period of a mere four months.

Technical data / quantities

Trough construction pit	2.214,00m ³
Unit diameter	2m
Cubage of jet grouting	1.957m ³
Jet length	up to 12.64m

Impressions

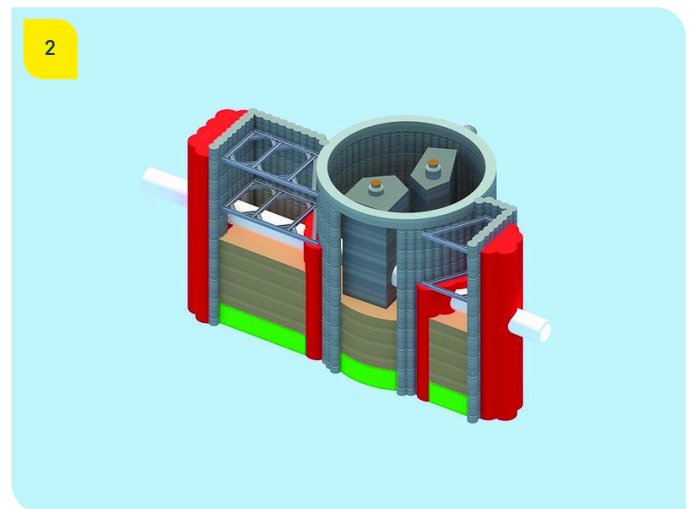


Image notes

1

[Translate to English:] Dortmund Emscherallee

Road subsidence on Emscherallee in Dortmund's Huckarde district.

2

Dortmund Emscherallee

The use of DSV as a sealing floor slab (green) and sealing wall (red).

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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