For the new development of a residential building with underground garage and 4 underground storeys in Munich-Schwabing an approx. 16 m deep building pit was built on the approximately 20 m x 30 m plot using the cut-and-cover method. The construction site is delimited at the front by Wilhelmstraße, at the side by an adjacent late-19th-century development and at the rear by a backyard. From ground level there was filling down to 3 m and after that approximately 4 m sandy quaternary gravel. From 7 m to 17 m below ground level sandy silts and heavily silted sands were encountered, which were underlain by silty sands right down to the bottom of the bore hole. The groundwater level was approx. 6.50 m below ground level. The building pit enclosure was produced using 133 bored piles D = 88 cm and lengths up to 23 m using the Kelly drilling method. The distance between the pile axis and the building walls was 85 cm in each case. All reinforced bored piles were equipped for use as energy piles with pipelines. As rear-anchoring of the pile wall was not possible owing to local conditions among other reasons, the building pit needed to be created using the cut-and-cover method. In addition a total of 18 primary columns HEM300 / HEB300 with support lengths of 16 m to 17.5 m and drilling depths of 19 m – 20 m were executed. The length of the primary columns incorporated into the 5.20 m long pile base D = 88 cm was 3.20 m. Further, 5 relief wells D = 88/30 cm with a boring depth of 28 m plus 2 seepage wells were bored. For the subsequent connection of an adjacent building to the new development in the basement a jet-grouted underpinning was additionally produced on a width of 6.50 m.

**Quantities:**
- 2,680 m bored piles D = 88 cm with lengths up to 23 m
- 350 m bore holes D = 88 cm for primary columns
- 5 relief wells with depth of 28 m
- 40 m³ jet-grouted underpinning