



REPORT

ANCHORED REINFORCE STEEL SHEET PILE'S INTO CUT OF WALL

SPECIAL FOUNDATIONS FOR BUILDING COMPLEX - RIVER CITY PRAGUE DANUBE HOUSE

CONTRACTOR OF SPECIAL FOUNDATION WORKS



Danube House - 19,800 m² office space, net, and a further 1,200 m² cafés, restaurants, retail space and 253 parking spaces, completed in June 2003.

RIVER CITY PRAGUE are the complex of buildings will also include water features, seating, riverside walks, and considerable landscaping throughout the site. The first one of was named DANUBE HOUSE. 17,650 m² office space and 1,700 m² retail, with 218 parking spaces in two underground floors. The building finished of 2005. The special foundation were provided at 2002. One year after catastrophic flood in August 2002.

Danube House is a landmark building that accommodates a high quality business center of international standards.

A specialised infrastructure company RCP ISC has been established to ensure that the infrastructure, utilities and soft landscaping is being developed at the right moment to complement the development of the individual building. All the existing buildings benefit from the synergistic framework provided by the "ISC" as they share the underground road, the pedestrian bridge, the greenery, the pavement, the public lightning etc.

The "ISC" makes sure that also the "small" and "invisible" elements of the RIVER

CITY PRAGUE development have a high standard as the buildings themselves.

Construction pit was constructed of ramming steel sheet piles. The second part was secured rider bracing. Sharp edge of the building shape of the ship was from the underground walls with embedded steel shield reinforced with steel sheet pile panels. Most of the piles after the creation of works pulled by vibratory.

The ride was produced 3 560 m² braced sheet piling, sheet piling was used 550 tons. Rider sheeting area was 1 500 m².



The complex of buildings on the river Vltava, which founded the company Zakladádání Group a.s. and now operated by Europolis



Details of establishing a special sharp edge of the building Danube House



Kotvená štetovnicová stěna vkladaná do tesnicí podzemní stěny ze samotvrdnoucí suspenze

Stavební jáma pro dvě podzemní patra z garážemi a technickým zázemím založena v těsném sousedství vltavy



The bridge base works, by excavator with grab 600 mm wide.



Pedestrian connection downtown with the riverbank build on a light bridge, based on diaphragm wall



Linking garage, all four buildings is done at the level of underground parking

In the background is done with permanent flood barrier finish crown with protected trees