Pont Rouge Lot B1









SHORT DESCRIPTION

Construction of a complex for SBB Real Estate consisting of three towers of 13 to 15 floors (total area of 47'365 m2 of offices and shops) but also an underground parking of 353 places on 3 levels of basements over the entire surface of the plot.

THE PROJECT

For the construction of the 3 basement levels Implenia Special Foundation has built a diaphragm wall maintained by active anchors and tubular shoring in a very urban context near a 15-storey tower in operation, SBB railway tracks as well as TPG tramway tracks.

SERVICES IN DETAIL

- 15’000 m^2 of diaphragm wall in 100mm / 800 mm depth of 18 to 25 m, 450 m^2 of secant piles diameter 1000 mm deep 22 m
- Foundations: 8’800 m of full displacement piles diameter 400mm
- Support: 3’000 m of active anchors and 2 level of tubular shoring, different diameters, for a total of 1’400 tons

CHALLENGES

Proximity to the SBB railways (construction without interruption of railway traffic), proximity to the SBB tower in operation for the duration of the works, realization of the special works in parallel with the demolition of the old buildings of the site

SUSTAINABILITY

Evacuation of part of the land by train

FACTS

Location	Route des Jeunes 6, Lancy , Switzerland
Status	completed
Construction volume (value of our services)	12.5 M CHF
Start of construction	September 2015
Completion	March 2017
Building owner	CFF Immobilier
Contracting entity	Implenia Suisse SA
Architect	Pont 12 Architecte SA
Project designer	Implenia Suisse SA
Construction management	Implenia Suisse SA
Construction management	Implenia Suisse SA

SUSTAINABILITY

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SERVICES

Special Foundations