

CLIENT:

Správa dopravní cesty, s.r.o.

REALIZATION PERIOD:

2005

PRICE:

25 mil. CZK

VOLUMES:

Jet-grouting 3 750 m
(diam. 120 cm, 950 columns)
Empty drilling 11 300 m

DESCRIPTION:

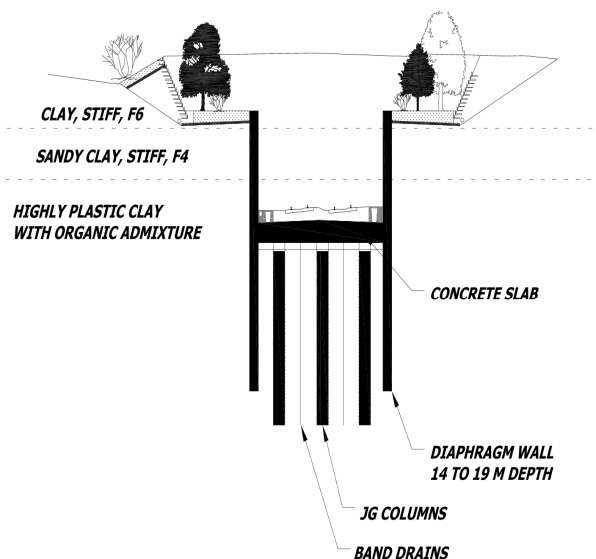
Single jet grouting method for creating 3m thick bottom slab between secant pile walls (and diaphragm walls) for cut-and-cover tunnel and for improving soil characteristics in tunnel entries. The special lime-cement grout (called HAMASOL) was used because of presence of highly expandable organic peaty clays. JG columns in triangular 0,75m grid – in total 3750m of JG and 11300m of empty drilling. Diameter of columns varied between 800 and 1200mm.



Creating the bottom slab



Vertical drains drilling



General design of tunnel approach