

ABSTRACT

SHIELD METHOD

5 A shield method includes the steps: providing a first cylindrical frame
31 at a position where an entrance 12 is to be formed in an inner
surface of an earth retaining wall 11 of a shaft 1; excavating a
horizontal hole 5 in the underground by a shield machine 2, and
sequentially adding and building, in the excavation direction, a
10 plurality of segments 4 on an inner diameter side of the horizontal hole
5 while forming the entrance 12 in the shaft 1; temporarily stopping
water from a gap between the entrance 12 and the shield machine 2,
and removing excavated soil and pieces 6 that enter the first
cylindrical frame 31 as the entrance 12 is formed; and coupling a
15 second cylindrical frame 32 having a sealing member 35 attached
thereto to an inner open end of the first cylindrical frame 31.

FIG.3