

ABSTRACT

Disclosed are a pile-bottom grouting cavity and a method for using same, and a cast-in-place pile body and a method for constructing same. The pile-bottom grouting cavity comprises: a grouting capsule, having an expansion state in which the grouting capsule is filled with grout to bear a pile body, and a contracted state in which the grouting capsule is hollow; a grouting pipe in communication with an inner cavity of the grouting capsule to grout the grouting capsule; and a fixing plate, with the grouting capsule being arranged on the fixing plate, and the fixing plate being provided with a through hole that is in communication with the bottom of an accommodation hole, such that slurry and/or sediment in the accommodation hole pass through the fixing plate. The aim thereof is to solve the problems in the prior art of hole wall collapse and excessive sediment that seriously affect the quality of construction in a grouting pile with a grouting capsule during the construction of a cast-in-place bored pile.

Figure 1