

【ABSTRACT】

C.G.S CONSTRUCTION METHOD CAPABLE OF SEISMIC REINFORCEMENT AND QUALITY CONTROL

The present invention relates to a C.G.S construction method capable of seismic retrofit and quality control, the method comprising: an injection pipe inserting step for inserting, in the ground, an injection pipe provided for injecting a grout into the ground; an injecting step for injecting the grout into the ground through the injection pipe that was inserted in the injection pipe inserting step, the grout being injected in predetermined quantities per unit time under an injection pressure that is a predetermined static pressure; a pressure measuring step for measuring discharge pressure which is the discharge pressure of the grout that is injected in the injecting step; an injection adjusting step for adjusting, according to the change in measurement value of the discharge pressure measured in the pressure measuring step, at least one or more among the injection pressure of the grout in the injecting stage, and the unit time per which predetermined quantities of the grout are injected; and a depth changing step for changing the depth at which the injection pipe is inserted in the ground after the injection of the grout is completed.

[Fig. 5]