
Development of Ground Improvement with Fiber by Using Jet Grouting — (Part 2) Field Test Results on Fiber-Jet Grouting—

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The use of reinforcement against earthquake for underground structures and pile foundations is increasing. In the case of ground improvement for existing structures in narrow spaces, the jet grouting method is often used. We consider improvement of resistance for compression and tension forces by using fiber. We have already carried out laboratory tests and FEM analysis to clarify the reduction effect for areas to be improved in the case of using fiber reinforcement. In this paper, the results of a field test on this new ground improvement method (named fiber-jet grouting) are described.