

RESEARCH ON THE ENVIRONMENT AND LANDSCAPE CREATION FOCUSING ON THE GROUND

Abstract:

After the law concerning the environment is enforced, preservation, restoration and creation of ecosystem and environment are needed in civil engineering. The ecosystem is closely related to the ground environment.

In order to propose the using method of stone materials for preserve, restore or create landscape, we carried out literature survey and questionnaire survey. On the basis of the results, we proposed the Contents of the using manual of stone materials for civil engineering structures.

In order to propose the technique of investigation and evaluation for ground environment and ecosystem, we carried out literature survey and questionnaire survey. The results are basic sources of propose the technique of investigation and evaluation for groundwater level in the rock mass. Additionally, on the basis of the joint research results, we compiled the method for preservation, restoration and creation of ecosystem from a geo-environmental point of view.

Keywords: rock material, civil engineering structure, deterioration, groundwater, ecosystem