

METHOD FOR MANUFACTURING GEOLOGICAL
GRADATION FEATURING DISASTER PREVENTION AND
ECOLOGIC FUNCTION

5 ABSTRACT OF THE DISCLOSURE

Provided is a method for manufacturing geological gradation layer featuring disaster prevention and ecologic function, which uses on-site earth or gradation materials commonly adopted in road construction, including aggregates, soils, gravels, or a mixture of water permeable concrete, and most
10 importantly, added with uniquely arranged hollow bodies, all constituents being mixed and laid on soil stratum, and subjected to ramming, to form an ecological gradation layer. The ecological gradation layer provides an effect of supporting and also provides the functions of water storage, water preservation, and improving earth, whereby earth microorganisms and earth
15 protozoa may establish a beneficial survival environment in earth, making the gradation layer exhibiting the characteristics of high water content and prompting breeding of microorganisms. When the atmosphere gets hot, water is released from the soil as vapor to alleviate the heat island effect and when rainwater precipitates, the rainwater can be stored for use in draughts.

20 Figure 3