

Seepage Analysis Model for the Drainage Pipe Applied to Embankment

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A drainage pipe is an effective method for improving the stability of embankment. Although it is applied to a lot of embankment, the suitable method of deciding construction specifications, such as the interval, length, etc., does not exist. In almost all cases, they are determined by experience. Accordingly, we investigated the performance of the drainage pipe by the laboratory experiment, and constructed an analysis model of the drainage pipe in consideration of the experiment result. The proposed analysis model can reproduce the water level of full-scale model of embankment.