８－３　　STUDY FOR EFFICIENT STORMWATER DRAINAGE SYSTEM
(第8回 国際都市雨水排除会議)

The rainfall intensity at a given time is arealy limited though it is assumed to be uniform in the stormwater drainage plan. The average rainfall intensity of a certain return period decreases as its rain area is larger. If the arealy biased rainfall intensity can be adopted as a planned rainfall, the overall stormwater drainage capacity of several pumping stations, which are linked by the connecting trunk sewers in wide drainage area, will be made smaller. This paper describes how the relation between rainfall intensity and rainfall area can be determined statistically based on the actual rain data for a preliminary study of future flood control planning. The effect of connecting trunk sewers for flood control and other multi-purpose utilization is also studied.