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SENSITIVE PLANNING AND DESIGN OF STORMWATER MANAGEMENT IN URBAN WATERSHEDS

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ABSTRACT

The traditional way of planning and designing stormwater drainage from the urban watershed, based on the collection of all stormwater by the combined sewer system, and its drainage into the nearest recipient, proved to be unsuccessful. In order to help urbanists and engineers to choose the best practices in sustainable management of stormwater, this paper presents the methodology of planning and design, based on the study of the morphology for an urban watershed. As a case study, the city of Pirot (Serbia) was chosen. The results showed that the proposed methodology can be applied to any urban watershed.

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