

**AN EVALUATION OF THE
EFFECTIVENESS OF POROUS PAVEMENT
AND INFILTRATION TRENCH INSTALLATIONS AS
URBAN RUNOFF BEST MANAGEMENT PRACTICES**

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(Abstract)

The following study is a demonstration of the effectiveness of porous pavement and an infiltration trench as Best Management Practices (BMPs) in the reduction of stormwater and its constituents. The field work of the study was conducted from 1986 through 1988 and the report was written in 1990 and finalized in 1996. Results of the study show that porous pavement and the infiltration trench significantly reduced the volume of stormwater runoff as well as its constituents from an urban parking lot area. In addition, wetfall and dryfall were found to be the major contributors to the runoff loading and yet were not comparable to associated studies. Peak and total flow runoff volumes were reduced significantly thereby reducing the overall pollutant loading. Antecedent dry period was found to be related to pollutant loading but only up to about 5 days total.

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