STUDY ON THE COLLECTION AND EVACUATION OF RAINWATER FROM THE SURFACE OF RESIDENTIAL AREAS

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Abstract. *Flooding will become a more frequent and intense phenomenon in the near future, due to climate change. Urban flooding is caused by a variety of problems, including limited collection capacity of the storm sewer system, lack of maintenance of the storm water collection system (as a result of blocked manholes, pipes and channels). The capacity of the rainwater collection system is reduced due to the accumulation of alluvium and other forms of waste, resulting in frequent flooding of residential areas. In addition, an increase in extreme rainfall could exceed the capacity of the sewer system and lead to more frequent sewer overflows, causing surface water flooding and subsequent effects on river water quality.*

Key words: *Flooding, residential areas, rainwater drainage.*