

4.2.7 Infiltration basin:

Retention type: Infiltration basin



Figure: 32. Infiltration basin (source: Lejcuś K. at all "Katalog dobrych praktyk zasady zrównoważonego gospodarowania wodami opadowymi pochodzącymi z nawierzchni pasów drogowych. Wrocław 2017")

Land use	Urban/Semi urban/Semi-rural/Rural		
Catchment area	0-1,0 km ²		
Dimensions	Should be designed for 50-100 years flood		
Location	Anywhere at urban/rural catchments, where the terrain and land use is suitable		
Target group	Municipalities, Farmers		
Effects of measure		Size of effect	Description
	Slow/Store runoff	HIGH	The properly designed infiltration basin is capable to receive the volume of 50-100 year flood totally.
	Increase Evapotranspiration	LOW	
	Increase Infiltration	HIGH	Facilitates infiltration.
	Increase soil water retention	HIGH	
	Reduce pollutant sources	MEDIUM	
	Reduce erosion	LOW	

	Achieve Good Surface Water Status	YES	
Maintenance requirements	Cutting the grass and ensure the volume in the designing area.		