

Table 3 Runoff Coefficients for Various Surfaces

Character of Surface	Average Runoff Coefficients
Streets:	
Asphaltic	0.95
Concrete	0.95
Drives and walks	0.85
Roofs	0.95
Lawns; Sandy Soil	
Flat, 2%	0.10
Average, 2 to 7%	0.15
Steep, 7%	0.20
Lawns; Heavy Soil;	
Flat 2%	0.15
Average, 2 to 7%	0.20
Steep, 7%	0.30

Tables 1, 2 & 3 are applicable for storms of 5- to 10-year frequencies. Less frequent higher intensity storms require higher coefficients. Coefficients are based on assumption that the design storm does not occur when ground surface is frozen.

Note: Table adapted from "Design and Construction of Sanitary and Storm Sewer", A Joint Committee of the American Society of Civil Engineers and the Water Pollution Control Federation, 1969, P. 51

REVISED	F.B.	PG.	DATE: AUGUST 20, 1974	STANDARD DETAIL	OFFICE OF THE
5/21/75			SCALE: NONE		CITY ENGINEER
			DRAWN BY:		GASTONIA, N.C.
			CHECKED BY:		FILE NO. 71G-5C
			CITY ENGINEER:	RUNOFF COEFFICIENTS FOR USE IN THE RATIONAL METHOD FOR CALCULATING STORM DRAINAGE RUNOFF	