

11.2 Symbols and Definitions

To provide consistency within this chapter as well as throughout this manual the following symbols will be used. These symbols were selected because of their wide use in storm drainage publications.

Table 11-1 Symbols And Definitions

<u>Symbol</u>	<u>Definition</u>	<u>Units</u>
A	Area of cross section	m ² (ft ²)
A	Watershed area	ha (acres)
C	Runoff coefficient, weir or orifice coefficient or correction factor	-
d	Depth of gutter flow at the curb line	m (ft)
D	Diameter of pipe	m (ft)
H	Head loss	m (ft)
I	Rainfall intensity	mm/h (in/h)
K	Coefficient	-
L	Length of curb opening inlet or slotted drain	m (ft)
L	Pipe length	m (ft)
L	Pavement width	m (ft)
L	Length of runoff travel	m (ft)
n	Roughness coefficient in Manning formula	-
P	Perimeter of grate opening, neglecting bars and side against curb	m (ft)
Q	Rate of discharge in gutter	m ³ /s (cfs)
Q _i	Intercepted flow	m ³ /s (cfs)
Q _s	Gutter capacity above the depressed section	m ³ /s (cfs)
Q _T	Total flow	m ³ /s (cfs)
R _h	Hydraulic radius	m (ft)
S or S _x	Pavement cross slope	m/m (in/in)
S or S _L	Longitudinal slope of pavement	m/m (in/in)
T	Top width of water surface (spread on pavement)	m (ft)
t _c	Time of concentration	min
V	Velocity of flow	m/s (fps)
y	Depth of flow in approach gutter	m (ft)
Z	T/d, reciprocal of the cross slope	-