

12.2 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 the technical publications.

Table 12-1 Symbols And Definitions

<u>Symbol</u>	<u>Definition</u>	<u>Units</u>
A	Minimum distance from back wall to trash rack	m (ft)
B	Maximum distance between a pump and the backwall	m (ft)
C	Average distance from floor to pump intake	m (ft)
D	Pump diameter	mm (in)
DHW	Design high water elevation	m (ft)
H _f	Friction head	m (ft)
H _l	Losses through fittings, valves, etc.	m (ft)
H _s	Maximum static head	m (ft)
H _t	Storage depth	m (ft)
H _v	Velocity head	m (ft)
H _x	Depth for storage volume	m (ft)
INV	Inlet invert elevation	m (ft)
L	Length of wet well	m (ft)
N	Number of equal size pumps	-
Q _i	Inflow	m ³ /s (cfs)
Q _p	Total capacity of all pumps Peak Discharge Rate	m ³ /s (cfs)
S	Minimum submergence at the intake	m (ft)
t _c	Minimum allowable cycle time	s
TDH	Total dynamic head	m (ft)
V _t	Total cycling storage volume	m ³ (ft ³)
V _x	Individual pump cycling volumes	m ³ (ft ³)
W	Minimum required distance between pumps	m (ft)
Y	Minimum level floor distance upstream of pump	m (ft)