Chapter 7 Hydrologic Soil Groups

Contents

FL630.0700 Hydrologic soil groups: Drainage and group D soils

Some soils are in hydrologic group D because of a high water table. Once these soils are effectively drained, they may be reclassified as shown below, but shall not exceed their drained classification:

Effective Drainage Depth in Inches	Hydrologic Soil Group
20 to 36	C
36 to 48	B
Greater than 48	A

Effective drainage is defined as having good surface drainage with a designed subsurface drainage system
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properly installed and maintained with a removal rate of at least 0.5 inches per day.

Another acceptable procedure is to compute S from soil characterization data or field measurements to the effective drainage depth and compute CN from the formula:

$$CN = \frac{1000}{S + 10}$$ [see Eq. 10-12, Part 630, Chapter 10]

Caution: Where subsurface drain tubing is used, its normal life span and the effect of a possible failure must be carefully considered. Soil containing iron may have a high potential for plugging (ochre) and fail without proper maintenance. Soils should be tested for iron. See Florida Drainage Guide for recommendations.

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