STORMWATER RETENTION POND AND SWALE WORKSHEET "SHORT FORM"

LOT: _____ BLOCK: _____ SUBDIVISON: _____

PHYSICAL ADDRESS: _____ OWNER NAME: _____

_____

Calculate Treatment Volume Required

Previously Unimproved Site

Original Pre Development Conditions

(A) Rainfall = 0.5 in

(B) Site Area _____ ft^2

(C) Cubic Feet Required = $\frac{\text{Site Area x Rainfall}}{12} = \frac{\text{B x A}}{12}$ = _____ ft^3

Improved Post Development Conditions

(D) Rainfall = 1.25 in

(E) Proposed Impervious Area _____ ft^2

(F) Cubic Feet Required = $\frac{\text{Impervious Area x Rainfall}}{12} = \frac{\text{E x D}}{12}$ = _____ ft^3

(G) Stormwater Treatment Volume (greater of C or F) = _____ ft^3

(H) Stormwater treatment discharge facilities which discharge directly to sensitive receiving waters including Class III Outstanding Florida Waters, or canals or other waterways connecting these with these waters shall provide additional retention pretreatment equal to fifty (50) percent of the total required volume, depending on the arrangement of on-site facilities.

Total Cubic Feet Required = G x 1.5 = _____ ft^3

Previously Improved Site

Improved Post Development Conditions

(I) New Impervious Area _____ ft^2

(J) Rainfall = 1.25 in

(K) Cubic Feet Required = $\frac{\text{Impervious Area x Rainfall}}{12} = \frac{\text{I x J}}{12}$ = _____ ft^3

(L) Stormwater treatment discharge facilities which discharge directly to sensitive receiving waters including Class III Outstanding Florida Waters, or canals or other waterways connecting these with these waters shall provide additional retention pretreatment equal to fifty (50) percent of the total required volume, depending on the arrangement of on-site facilities.

Total Cubic Feet Required = K x 1.5 = _____ ft^3

STORMWATER RETENTION POND AND SWALE WORKSHEET "SHORT FORM" (Cont.)

Calculate Swale Length (if applicable)

(M) Cubic Feet Required _____ ft^3

(N) Square Feet Cross Sectional Area _____ ft^2

Note: A swale with 4:1 slopes and 1 foot depth has a 4 ft^2 of Cross Sectional Area.

(O) Swale Length = $\frac{\text{Cubic ft. Required}}{\text{Square Feet Cross Sectional Area}} = \frac{M}{N} =$ _____ ft

MUST PROVIDE CROSS SECTIONAL DETAIL OF SWALE, BERM, OR OTHER STORMWATER RETENTION OR DETENTION STRUCTURE