CITY OF MARATHON, FLORIDA

Residential Stormwater Retention Calculation Sheet

Required Swale Volume:

- For a home with **no adjacent water bodies,** use:
  (Based on 1 inches of runoff for total lot area or project area)

_____	ft^2	X	0.08	=	0	ft^3
Total Lot Area					Swale Volume	

- For a home **discharging into Sensitive Receiving Water Bodies** i.e. Outstanding Florida Waters, bays, estuaries, nearshore waters, or canals use the following:
  (Based on 1.5 inches of runoff for total lot area or project area)

_____	ft^2	X	0.12	=	0	ft^3
Total Lot Area					Swale Volume	

Required Swale Volume for New Impervious Area Only (Existing Developments):

_____	ft^2	X	0.08	=	0	ft^3
New Impervious Area					Swale Volume	

Determine Swale Length:

_____	ft^3	/	_____	=	0	Linear feet
Swale Volume			Cross Sectional Area		Swale Length	

Notes

- All runoff shall be directed to proposed swale by gutters, detailed lot grading, or other approved methods.
- Minimum swale depth shall be 12 inches, with minimum side slope of 4:1.
- All swales shall be stabilized by gravel or grass.
- All disturbed areas on the property shall be stabilized.
- Project area is the total lot area less any wetland or conservation areas.

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