Post-Construction Water Balance Calculator

User may make changes from any cell that is orange or brown in color (similar to the cells to the immediate right). Cells in green are calculated for you.

(Step 1a) If you know the 85th percentile storm event for your location enter it in the box below

(Step 1b) If you can not answer 1a then select the county where the project is located (click on the cell to the right for drop down): This will determine the average 85th percentile 24 hr. storm event for your site, which will appear under precipitation to left.

COUNTY

(Step 1c) If you would like a more percise value select the location closest to your site. If you do not recgonize any of these locations, leave this drop-down menu at location. The average value for the County will be used.

LOCATION

Project Information		*Runoff Calculations*	
Project Name:	***Optional***	(Step 2) Indicate the Soil Type (dropdown menu to right):	***Soil Type***
Waste Discharge Identification (WDID):	***Optional***	(Step 3) Indicate the existing **dominant** non-built land Use Type (dropdown menu to right):	***Non-Built Land Use Type Pre Development***
Date:	***Optional***	(Step 4) Indicate the proposed **dominant** non-built land Use Type (dropdown menu to right):	***Non-Built Land Use Type Post Development***
Sub Drainage Area Name (from map):	***Optional***		**Complete Either**

Runoff Curve Numbers			Sq Ft	Acres	Acres
Existing Runoff Curve Number		*(Step 5) Total Project Site Area:*			**0.00**
Proposed Development Runoff Curve Number		*(Step 6) Sub-watershed Area:*			**0.00**
		Percent of total project :			

Design Storm		
Based on the County you indicated above, we have included the 85 percentile average 24 hr event - P85 (in)^ for your area.		**in**
The Amount of rainfall needed for runoff to occur (Existing runoff curve number - P from existing RCN (in)^)		**In**
P used for calculations (in) (the greater of the above two criteria)		**In**
^Available at www.cabmphandbooks.com		

(Step 7) Sub-watershed Conditions	**Complete Either**		**Calculated Acres**
Sub-watershed Area (acres)	**Sq Ft**	**Acres**	**0.00**
Existing Rooftop Impervious Coverage			**0.00**
Existing Non-Rooftop Impervious Coverage			**0.00**
Proposed Rooftop Impervious Coverage			**0.00**
Proposed Non-Rooftop Impervious Coverage			**0.00**

Credits	**Acres**	**Square Feet**
Porous Pavement	**0.00**	**0**
Tree Planting	**0.00**	**0**
Downspout Disconnection	**0.00**	**0**
Impervious Area Disconnection	**0.00**	**0**
Green Roof	**0.00**	**0**
Stream Buffer	**0.00**	**0**
Vegetated Swales	**0.00**	**0**
Subtotal	**0.00**	**0**
Subtotal Runoff Volume Reduction Credit	**0 Cu. Ft.**	

Pre-Project Runoff Volume (cu ft)	**0**	**Cu.Ft.**
Project-Related Runoff Volume Increase w/o credits (cu ft)	**0**	**Cu.Ft.**
Project-Related Volume Increase with Credits (cu ft)	**0**	**Cu.Ft.**

You have achieved your minimum requirements

(Step 9) Impervious Volume Reduction Credits	**Volume (cubic feet)**
Rain Barrels/Cisterns	**0 Cu. Ft.**
Soil Quality	**0 Cu. Ft.**
Subtotal Runoff Volume Reduction	**0 Cu. Ft.**
Total Runoff Volume Reduction Credit	**0 Cu. Ft.**