



April 4, 2007

Minimal Specification Requirements:

The Extention Basin is used to minimize the amount of storage for detention systems and water quality treatment systems. To specify the system we need the following information from the Engineer or Designer in electronic format:

A. Peak Flow Control

Storm Frequency	Requirement
100	After Development Storm Hydrograph from the 24 hour Rainfall in increments of 1 minute. This becomes the Inflow Hydrograph to the Extention Basin. At least three (3) storms should be provided to gain the control over the range of storms.
50	
25	
10	
5	
2	

Storm Frequency	Requirement
100	Pre-Development hydrographs or the peak flow for each studied storm representing the Pre-Development conditions, that are the target values or goals for the Extention Basin.
50	
25	
10	
5	
2	

B. Water Quality Treatment

If there is a water quality treatment criteria we must be provided with the minimum Water Quality Volume to meet the water quality regulations. For example, some regulations require the capture of the runoff from 2 year storm or a set amount. This required volume will be captured in the Extention Basin's first flush chambers.

Water Quality Volume (cubic feet) _____

C. Miscellaneous – Provide if Available

- The Engineer or Designer's system layout with topography (pdf format)
- A Drainage or Stormwater Report that usually accompanies such projects – preferably using 24 hour, SCS methods. (pdf format)