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SUMMARY OF STORM WATER RUNOFF PERFORMANCE STANDARDS

Pre-Development Runoff Curve Numbers for Determining Peak Controls				
Hydrologic Soil Group (HSG)	A	B	C	D
Runoff Curve Numbers (RCN)	30	55	70	77

Runoff (RO) Design Standards			
24 Hour Storm Event	Precipitation in Inches	Determining Post Development RCN's	Peak Criteria
1 yr	2.5	Separate drainage areas and RCN's shall be used to calculate developed runoff and then be combined	Post-development peak runoff must be maintained or reduced from the pre-development peak runoff
2 yr	2.9		
5 yr	3.7		
10 yr	4.3	Appropriate composite RCN may be used	
25 yr	4.9		
100 yr	6.1	All designed storm water facilities shall safely pass this storm event	

General Requirements
1. All existing RO entering the project site must be included in the design of the drainage system or be safely passed.
2. Drainage areas (DA) must remain the same unless analysis determines there is no adverse effects to adjacent offsite DA due to increased or decreased runoff.
3. Projects disturbing 5 or more acres or where land disturbance is to occur on greater than 40% of the overall site, post-development HSG's shall be raised to the next class for all hydrologic calculations.