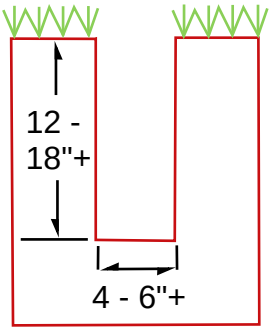
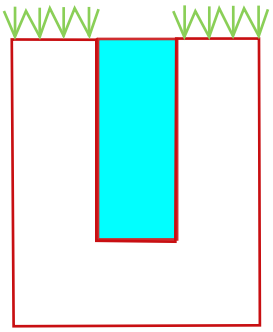
Homeowner Infiltration Test

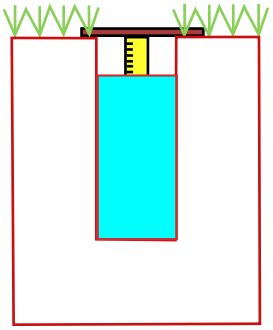
For Dry Wells, Rain Gardens, Permeable Paving, Bioretention and Infiltration Practices



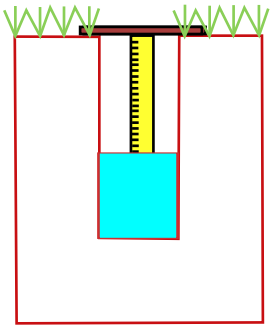
1. Dig a hole in the proposed location, at least 12 to 18 inches in depth and at least four to six inches in diameter. A posthole digger is the typical tool of choice, but a shovel works too.



2. Pre-soak the hole. Fill with water to saturate the soil and wait until all water has drained away. If water drains away within 1 hour, repeat pre-soak.



3. Once the water has drained, refill the hole again so that the water level is near the ground surface. Place a ruler, stick or piece of wood across the top of the hole. Measure the distance from the ruler, stick or wood to the surface of the water. Record the time of the measurement.



4. Measure the distance from the ruler or stick to the water surface every hour to complete the chart below or until hole is dry. If the presoak drained within 1 hour, can optionally measure over shorter intervals (e.g. 15 or 20 minutes).

5. Record distance and time in the chart to the right. Conservation District staff will calculate the Drop and Infiltration Rate of your soil.

Depth of hole:

_____ inches

		Time	Distance from Ruler to Water (inches)	Drop (inches)	Infiltration rate (inches/hour)
Start time and distance →				*--To be completed by District Staff--*	
Hour	1				
	2				
	3				
	4				
	5				
				Final rate	