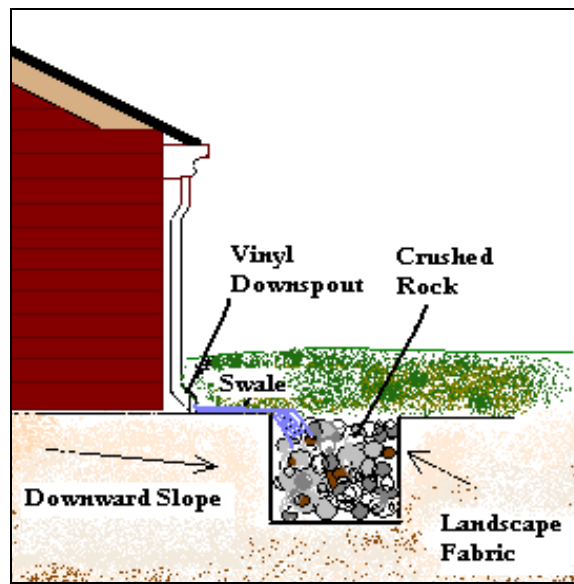


Dry Wells

Dry wells are designed to temporarily store rainwater until the water can infiltrate (soak into) the soil. Dry wells are designed to directly catch rainwater. The collected rainwater is allowed to soak into the soil and be filtered before entering the water system and becoming potential drinking water. Dry wells are used to store water from a downspout or in a problem area of the yard where water collects.

A dry well is a small pit filled with crushed stone. Before constructing a dry well an infiltration test must be conducted to determine if the dry well will function properly (See page 35). The dry well must be sized to ensure that the well will work correctly, see the table below for dry well sizing.



Storm Depth (in.)	Roof Area Draining to Dry Well (sq. ft.)	Depth (ft.)	Area (sq. ft.)	Example Length (ft.)	Example Width (ft.)
0.25	100	1.5	3.8	2	3
0.25	250	1.5	9.4	4	3
0.25	500	1.5	19	7	3
0.5	100	1.5	7.5	3	3
0.5	250	1.5	19	7	3
0.5	500	1.5	38	13	3
1.0	100	1.5	15.1	6	3
1.0	250	1.5	38	13	3
1.0	500	1.5	75	26	3