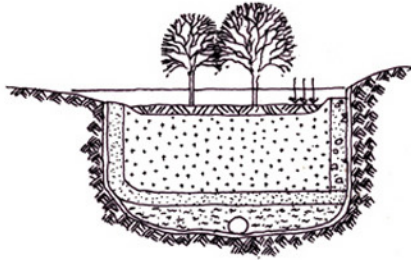


RESTORATION LANDSCAPE

Practices Used in the Carpenter Village Dream Home Showcase, Cary, North Carolina

Rain Garden



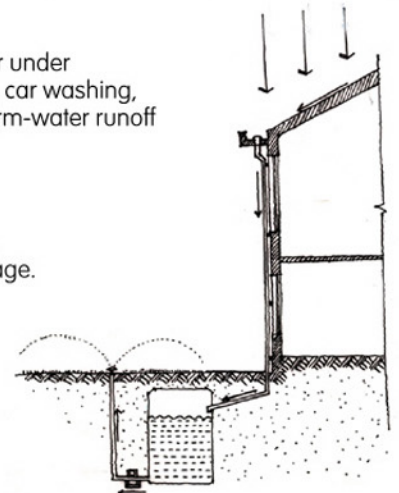
Rain Gardens use the concept of bioretention, a water quality practice in which plants and soils remove pollutants from stormwater. The traditional system of curbs, gutters, and storm drains carries storm water runoff directly to local streams and rivers. Rain gardens filter and reuse this water, reducing stormwater pollution, and they are beautiful.

Downspouts have been installed to direct roof runoff into tanks. The tanks, either under or above ground, allow the captured water to be reused for watering, irrigation, car washing, or any other use not requiring potable water. Harvesting rainwater reduces storm-water runoff and therefore improves stream quality.

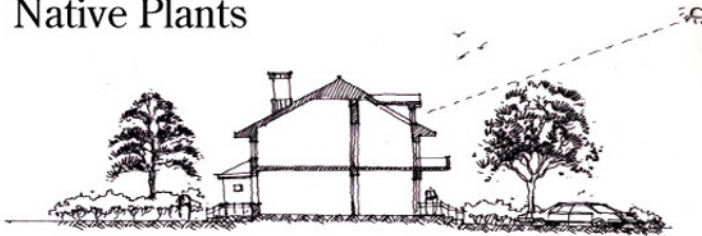
Rainwater Harvesting Facts:

Using an average rainfall rate of 3.5"/ month generates collection potential of approximately 4,250 gal. rain water per month. Two underground pump tanks with storage capacity of 1,200 gals. each are located to the right side of the garage.

Rainwater Harvesting



Native Plants



Planting deciduous trees on the south side of the house for winter lighting and evergreens on the north side for summer cooling reduces the load on the heating and cooling systems for the house and reduces energy usage. The use of low-maintenance plants, especially native species, together with the reduced lawn area, not only saves mowing time and air pollution, but reduces the need for watering, fertilizer and pesticides as well. Thus, not only is pollution reduced directly at the source, but the opportunity for it to reach the rivers and streams is also reduced through minimizing the runoff.

Trees:

Ilex opaca
Magnolia Grangiflora
Tsuga caroliniana
Acer rubrum
Betula nigra
Magnolia virginiana
Quercus phellos
Taxodium distichum

Am Holly
So. Magnolia
Hemlock
Red Maple
Riverbirch
Sweetbay
Willow oak
Bald Cypress

Evergreen less 15'

Ilex vomitoria
Myrica cerifera
Ilex glabra
Kalmia latifolia
Rhododendron maxima
Deciduous > 15'
Cercus Canadensis
Cornus florida

Yaupon
Wax myrtle
Inkberry
Mtn laurel
Rhododendron

Redbud
Dogwood

Hammamelis virginiana
Ilex deciduas
Pinckneya bracteata
Vaccinium arboreum
Callicarpa Americana
Calycanthus florida
Hydrangea querciflora
Rhododendrn canescens
Stewartia malachodendron

Witchhazel
Winterberry
Pinckneya
Sparkleberry
Beautyberry
Sweetshrub
Hydrangea
Azalea
Camellia