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 stormwater runoff directly to local streams and rivers. Rain gardens filter and reuse this water, reducing stormwater pollution, and they are beautiful.

Rainwater Harvesting

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.

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 Grandiflora
- Tsuga caroliniana
- Acer rubrum
- Betula nigra
- Magnolia virginiana
- Quercus phellos
- Taxodium distichum

Evergreen less 15'
- Ilex vomitoria
- Myrica cerifera
- Ilex glabra
- Kalmia latifolia
- Rhododendron maximum
- Cercis Canadensis
- Cornus florida

Deciduous > 15'
- Yaupon
- Wax myrtle
- Inkberry
- Mt Laurel
- Redbud
- Dogwood
- Hammamelis virginiana
- Ilex decidua
- Pinckneya bracteata
- Vaccinium arboreum
- Callicarpa americana
- Calycanthus floridanus
- Hydrangea querciflora
- Rhododendron canescens
- Stewartia malachochronon

Witchhazel
Winterberry
Pinckneya
Sparkleberry
Beautyberry
Sweetshrub
Hydrangea
Azalea
Camellia

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