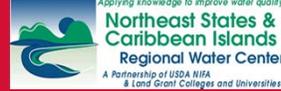


RUTGERS

New Jersey Agricultural
Experiment Station



Rain Garden Installation

Rain Garden Training for Landscapers
Hartford, CT November 4-5, 2010

RUTGERS

New Jersey Agricultural
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- **Remove existing grass**
- **Excavate to the desired depth**
- **Add soil amendments**
- **Prepare the berm**
- **Prepare the overflow**
- **Level the ponding area**
- **Plant the vegetation**
- **Apply the mulch**
- **Water the vegetation**



Sumner Elementary School, Camden County

MATERIALS NEEDED

- Soil amendments (if necessary)
 - Fertilizer
 - pH adjustment (lime)
 - Coarse sand (bank run)
- Vegetation
- Triple-shredded hardwood mulch (no dye)
- Soaker hose & landscaping pins
- Optional
 - Decorative stone/ pavers
 - Landscaping fabric & pins
 - Pipe extensions
 - Grass seed/sod



Leonard Park, Morris County

TOOLS NEEDED

- Work crew (5-10 people)
- Back hoe or bobcat (optional)
- Shovels (flat and round)
- Soil rakes
- Rototiller (\$500 - \$1,000 investment, or rent one)
- Survey equipment or string level with stakes and mason string
- Knives to cut root balls
- Hand trowels
- Wheelbarrows
- Rakes (for spreading mulch)



Hurffville Elementary School, Gloucester County

Remove Existing Grass



Gloucester County 4-H Fairgrounds

Q: What do you do with the existing grass before starting the rain garden?

A: Remove the turf as sod pieces. You can reuse it on the berm or another area of the yard.

Excavate to the Desired Depth



Leonard Park, Morris County



Gloucester County 4-H Fairgrounds

Excavate to the Desired Depth

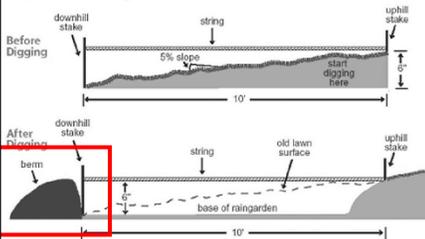


Reeves-Reed Arboretum, Union County

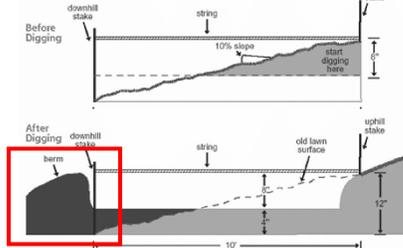
**Remember not to compact
the rain garden's soil while excavating!**

Prepare the Berm, if necessary

a. Between 3% and 8% slope lawn



b. Greater than 8% slope lawn



Leonard Park, Morris County

Add Soil Amendments, if necessary



Gloucester County 4-H Fairgrounds

Prepare the Overflow



Gloucester County 4-H Fairgrounds



Leonard Park, Morris County

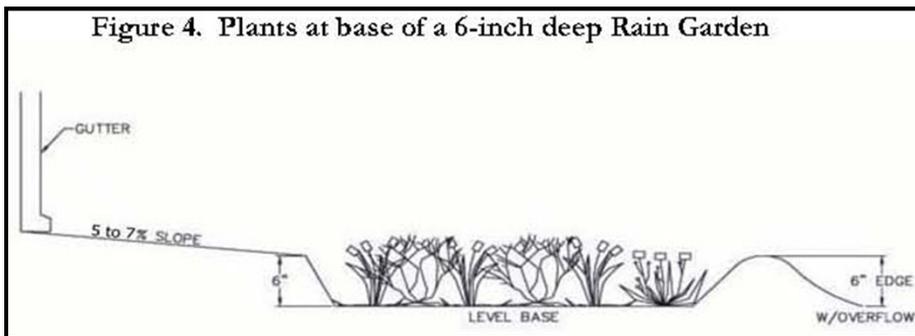
Level the Lowest Zone (Base)



Wheaton Arts and Cultural Center, Cumberland County

Level the Lowest Zone (Base)

Figure 4. Plants at base of a 6-inch deep Rain Garden



Plant the Vegetation



ReBuilder's Source, South Bronx, New York

Planting Hole Same Depth as Root Ball



Hockman Farm, Winchester, Virginia

Plant the Native Plants



Ulster County, New York

Apply the Mulch



**Protect Small Plants
when Mulching**



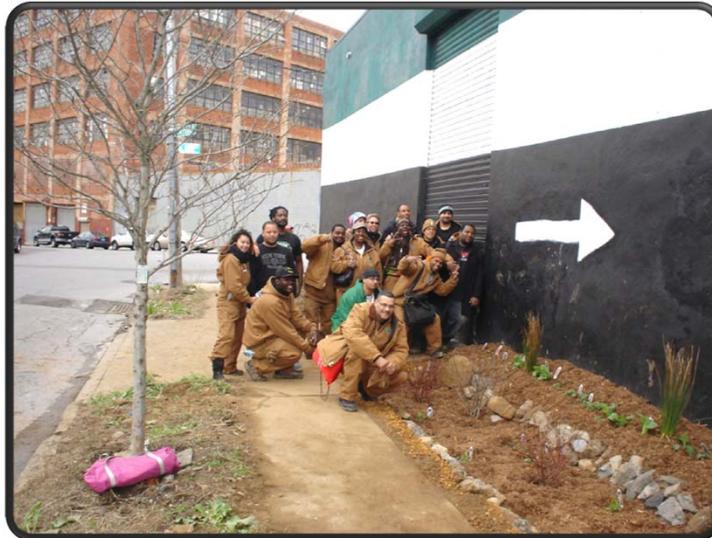
*Ulster County,
New York*

Water the Vegetation



Hockman Farm, Winchester, Virginia

Appreciate a Job Well Done!



ReBuilder's Source, South Bronx, NY

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