



Chesapeake RiverWise Communities Financial Incentive Program Rebate Guidelines

Rebate Structure:

- For installation of rain barrels, you will receive \$1 per gallon up to \$250.
- For the installation of trees, you will receive 75% of the cost of the tree.
- For installation of a rain garden, you will receive 75% of costs up to \$1,500 for reimbursement of your material expenses.
- For installation of a BayScape, you will receive 75% of costs up to \$1,500 for reimbursement of your material expenses.

Steps to Complete *Before* Project Construction:

- Put together a Site Design for project construction and estimated project cost (please see Site Design Guidelines for your project type(s))
- Submit your Site Design to the Alliance for the Chesapeake Bay.
- Take *Before* pictures (digital)
- Sign and submit the *Maintenance Agreement*

You will receive a pre-construction approval form to begin construction (if your project needs revisions you will be notified). **Construction must be completed within 4 months of the date of the Pre-Construction approval notification.** Once the work is completed the Alliance for the Chesapeake Bay at 804-775-0951 and schedule a post construction inspection.

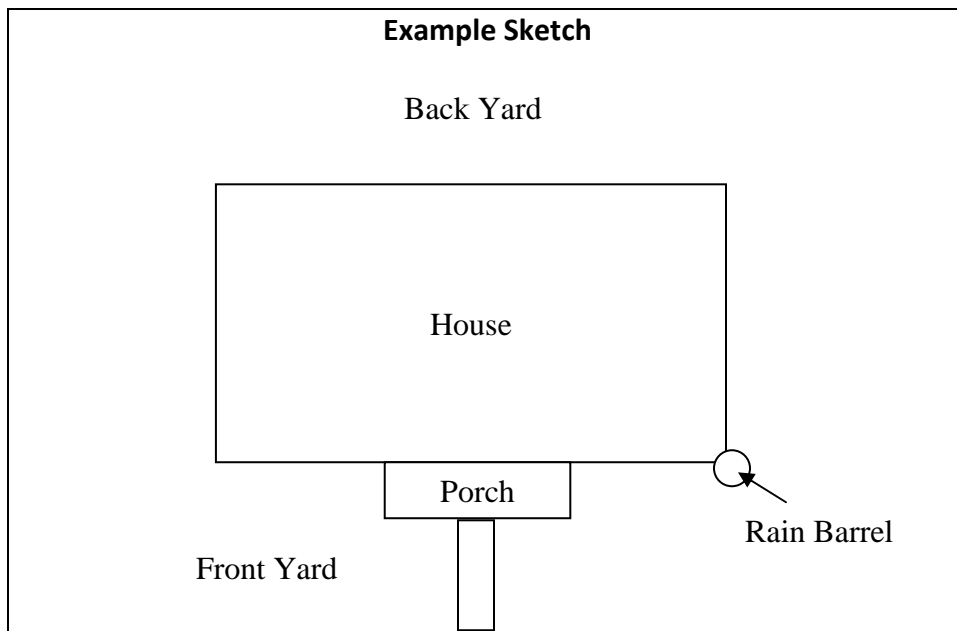
Please note that you may be able to receive a credit on your City of Richmond stormwater utility bill for implementing some of these practices on your property. According to the website (<http://www.richmondgov.com/dpu/StormwaterCredits.aspx>), rain barrels and rain gardens are eligible as long as they meet certain criteria. BayScapes may also be eligible for the “vegetated filter strip” practice credit if they meet the City’s criteria. Please see the Single-Family Residential Manual (<http://www.richmondgov.com/dpu/documents/SWcreditmanual.pdf>) for installation criteria and application guidelines.

Site Design Guidelines Checklist for Rain Barrel Installation

Please use the Alliance's "Rain Barrels: Capturing and Using Roof Runoff" for installation tips. Please email a document that includes the following Site Design Specifications for pre construction approval.

The Site Design Specifications:

- Square footage of roof going to rain barrel
- Simple sketch showing placement of rain barrels
- Estimated project cost



Site Design Guidelines Checklist for Native Tree and Woody Shrubs Plantings

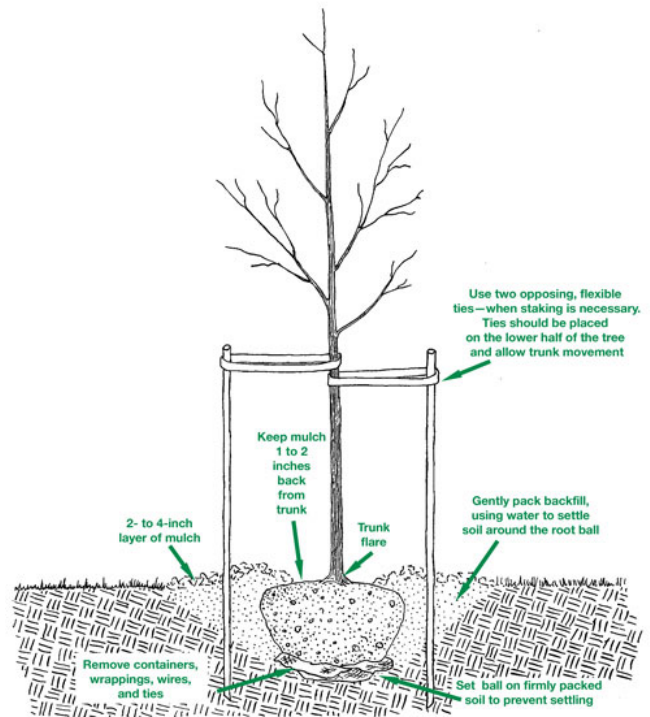
Please email a document that includes the following Site Design Specifications for pre construction approval. Once approved follow the installation tips below for planting.

The Site Design Specifications:

- Simple sketch showing placement of trees
 - o Tree placement:
 - Tall trees (60 ft or more at maturity) should be placed at least 35 feet from buildings
 - Tall trees should be placed at least 65 feet from utility lines
 - Medium trees (40 ft at maturity) should be placed at least 15 feet from utility lines
 - Small trees (20 ft at maturity) may be placed under utility lines
 - o Trees should be located away from all public utilities (above and below ground), with exception to small trees under utility lines (see note above). Contact Miss Utility (1-800-552-7001) to have property marked prior to planning and installation.
 - o Consider the size of the tree at maturity when deciding where to plant. Please contact local arborists with concerns.
- Plant list with quantity, size, and species (common & scientific name)
 - o Trees and woody shrubs must be native species. You can use the following sites to search for native plant ideas:
 - <http://www.nativeplantcenter.net>
 - http://www.dcr.virginia.gov/natural_heritage/np.shtml
 - o Only container trees or bare root seedlings are permitted (no balled and burlapped trees).
- Estimated cost

Installation Tips:

- Remove grass from the area where the tree is to be planted
- Trees should only be planted from October to March
- Planting:
 - o Trees and shrubs in pots should be planted according to the directions at: http://www.treesaregood.com/treecare/tree_planting.aspx
 - o Bare root seedlings are planted as follows:
 - Dig a hole wider, but not deeper, than the roots.
 - Place the seedling in the hole so that it is at the same depth it was planted at the nursery; be sure all roots point down.
 - Fill in with the soil that came from the hole and pack it firmly.
- Water thoroughly.
- Mulch with shredded bark or wood chips. The mulch should be 2-3 inches deep and extend to the dripline of trees and never touch the trunk of the tree.
- Do not fertilize and do not use soil amendments when planting the tree.



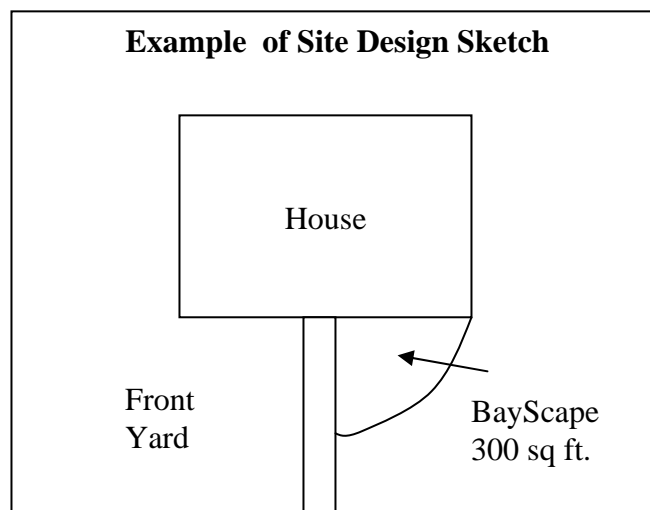
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Site Design Guidelines Check list for BayScapes

Please use the Alliance's "BayScapes: Homeowner's Guide to Designing Your Property" publication to help you with placement and design. Please email a document that includes the following Site Design Specifications for pre construction approval.

The Site Design Specifications:

- Please prepare a simple sketch of the Site Design
 - Include dimensions, rough outline of BayScapes garden, and location descriptors (front, back, side yard)
 - Must replace existing lawn area or bare soil areas and encompass a minimum of 120 square feet (justification for size constraints must have prior approval from the Alliance)
 - Native plant material must total at least 34 gallons for 120 square feet (size of perennials can be substituted at a 2 quart: 1 gallon equivalency)
- Plant list with quantity, size, and species (common & scientific name)
 - Must be native species. You can use the following to search for native plant ideas:
 - <http://www.nativeplantcenter.net>
 - http://www.dcr.virginia.gov/natural_heritage/np.shtml
 - The plant list on the back of the BayScapes publication.
- Mulch Source and Type (must be 2"-3" of dense material like wood chips or shredded hard wood)
- Contact Miss Utility (1-800-552-7001) to have property marked prior to planning and installation.
- Estimated project cost



Note: You may be able to receive a credit on your stormwater utility bill if your BayScape meets the criteria for vegetative filter strips. To qualify, the following criteria must be met:

- 50% of roof area must drain to vegetated area
- Must be at least 50ft long.
- Runoff from downspouts must be dispersed using a splash block.

For more information, visit: <http://www.richmondgov.com/PublicUtilities/StormwaterCredits.aspx>

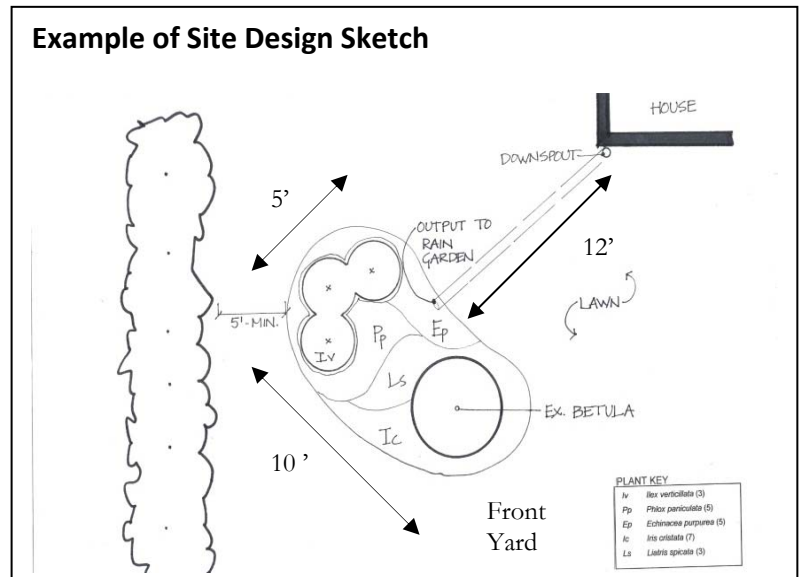
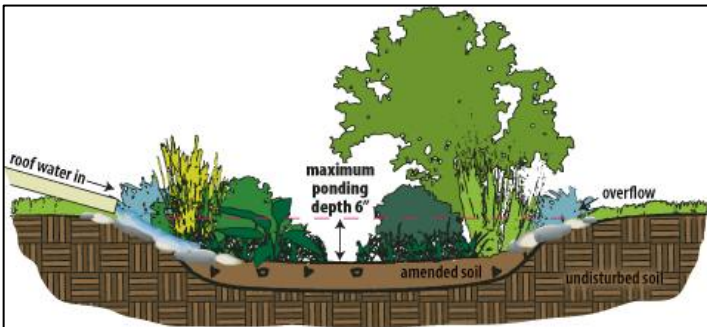
Site Design Guidelines Checklist for Rain Garden Installation

Please use the for design and installation tips. Please email a document that includes the following Site Design Specifications for pre construction approval, including the Rain Garden Calculation worksheet.

The Site Design Specifications:

- Use the Rain Garden Calculation Worksheet (on next page) to determine size of rain garden based on amount of runoff treated.
- Please prepare a simple sketch of the Site Design (use space on Calculation worksheet)
 - o Include dimensions, rough outline of rain garden, distance from any structures, and location descriptors (front, back, side yard), and overflow area
 - o Must be at least 10' from any foundation.
- Plant list with quantity, size, and species (common & scientific name)
 - o Must be native species. You can use the following to search for native plant ideas:
 - <http://www.nativeplantcenter.net>
 - http://www.dcr.virginia.gov/natural_heritage/np.shtml
 - The plant list from the “Native Plants for Rain Gardens” publication
- Soil Mix Source (must be 50% sand, 25% topsoil, and 25% compost)
- Mulch Source and Type (must be 2”-3” of dense material like wood chips or shredded hard wood)
- Contact Miss Utility (1-800-552-7001) to have property marked prior to planning and installation.
- Estimated project cost

For installation tips, please see: VA Department of Forestry Rain Garden Technical Guide (http://www.dof.virginia.gov/mgt/resources/pub-Rain-Garden-Tech-Guide_2008-05.pdf)



Rain Garden Calculations Worksheet

Drainage area to Rain Garden:

Roof area= _____ft²

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Yard area= _____ft²

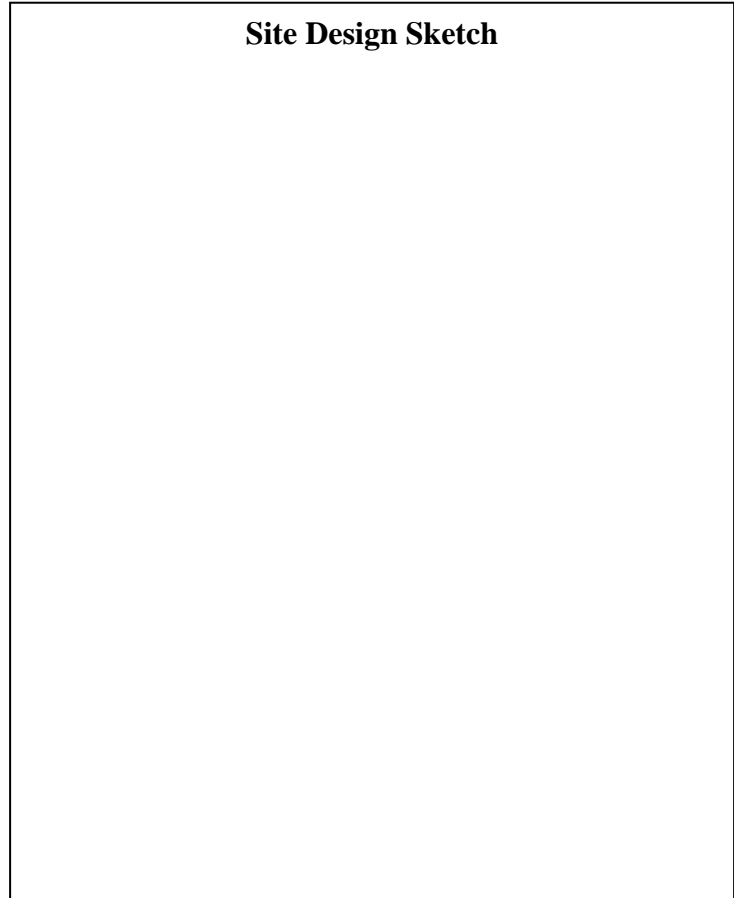
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Total area (TA) = _____ft²

Rain Garden surface area:

5% of TA

.05 X _____ft²= _____ft²



Design Tips:

- Locate outside the dripline of trees and away from utilities.
- If slope allows, create a stabilized outlet (emergency spillway).
- More clay, less infiltration = deeper soil mix.
- Less clay, more infiltration = shallower soil mix layer.
- Ponding area above the mulch layer should be between 3 to 6”.
- If the down spout drains directly into the Rain Garden install 3ft² of fist sized stone.
- No underdrain required.

