

RIVERSMART HOMES PERC TEST WORKSHEET

Name: _____ Address: _____

Overview: A percolation test, or perc test, determines how quickly water drains from the soil at a project site. If the soil does not drain within 36 hours, the project will not function properly and may lead to flooding on the property. Please follow steps 1-5 and fill out the Perc Test Table below. Avoid doing the perc test when raining. If the entire yard is paved, the test should be conducted as close to the project site as possible.

Materials Needed:

- Digging tool (shovel or post-hole digger)
- Measuring tool (yard stick/ruler & reference stick)
- Water source (hose or bucket of water)
- Data collection tools (this worksheet & a pencil)

Caution: Make sure you know where utilities are before you start digging! Call Ms. Utility within 48 hours of digging to be sure.

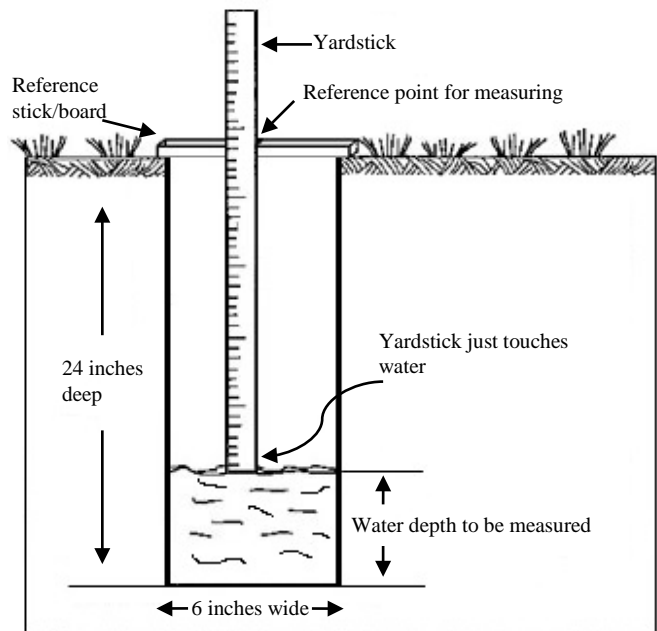
Step 1: Dig a hole that is 24 inches deep and 6 inches wide in the area where the project will be installed.

Step 2: Fill up the hole with 12 inches of water and let it drain completely.

Step 3: Within 12 hours of the first fill, fill the hole again with 12 inches of water. Use the yardstick and reference stick/board to measure the water height every hour for 6 hours and record results in table.

Step 4: Follow the directions in the Perc Test Table to calculate the infiltration rate.

Step 5: Check the next day to make sure that the second filling has drained within 24-36 hours. An optimal infiltration rate is 1.2 inches per hour and minimum acceptable infiltration rate is .3 inches per hour – **if the hole has not drained within 36 hours a rain garden or pervious paver project is not possible.**



PERC TEST TABLE

	Elapsed Time (hours)	Water Depth (inches)	Total Change in Water Level (inches)	Percolation Rate (inches per hour)
Second Fill	0	12	12 inches - water depth at hour 6 = _____	Total change in water level ÷ 6 hours = _____
	1			
	2			
	3			
	4			
	5			
	6			

SEND COMPLETED WORKSHEET AND QUESTIONS TO:
 Sarah Davidson at the Alliance for the Chesapeake Bay
 sdavidson@allianceforthebay.org . 202-817-9672
 501 Sixth Street . Annapolis, MD 21403

RIVERSMART LANDSCAPING REBATE PROGRAM MAINTENANCE AGREEMENT

The District of Columbia Department of Energy & Environment (DOEE) has granted the Alliance for the Chesapeake Bay (ACB) funding to assist District homeowners with the installation of approved replacement of impervious surface projects as part of their RiverSmart Rebate Program.

_____ at _____
(Name of Property Owner) *(Address of Property Owner)*

has voluntarily agreed to:

1. Participate in this program;
2. Maintain the installed green infrastructure project for at least 3 years, including adequate watering of any installed plants, weeding, sweeping/vacuuming pavers, replenishing joint material between pavers, and regular cleaning of filters;
3. Allow an Alliance for the Chesapeake Bay or DOEE representative to conduct a site visit in order to quality check the installation or maintenance of the project; and
4. Provide before and after photos of the project site to be used at the discretion of ACB.

Financial Obligation of the Alliance for the Chesapeake Bay:

- Provide a rebate awarded at \$3.00 per square foot of area that is treated by the installation of a rain garden (not to exceed \$2,200), \$5.00 per square foot of project area for the replacement of impervious surface with vegetation, or \$10.00 per square foot of project area the replacement of impervious surface with permeable pavers, pending final inspection and approval of project

Financial Obligation of the Property Owner:

- Cover any project cost over the rebate amount

Indemnification

The Property Owner agrees to indemnify and hold harmless the Alliance for the Chesapeake Bay and all of its officers, agents and servants against any and all claims of liability or lawsuits arising from or based on, or as a consequence of or result of, any act, omission or default of ACB employees or its subcontractors, in the performance of activities through the RiverSmart Rebate Program.

ALLIANCE FOR THE CHESAPEAKE BAY:

PROPERTY OWNER:

ACCEPTED BY: _____

ACCEPTED BY: _____

SIGNATURE: _____

SIGNATURE: _____

DATE: _____

DATE: _____



RIVERSMART REWARDS SIGN-UP SHEET

OVERVIEW:

As a participant in the RiverSmart Rebate Program, your green infrastructure project may qualify your property for discounts on two water and sewer utility fees: the District Government’s Stormwater Fee and DC Water’s Clean Rivers Impervious Area Charge (CRIAC). With your approval, DOEE can auto-enroll your property for discounts via RiverSmart Rewards. Qualifying properties would receive up to 55% off the Stormwater Fee and up to 4% off the CRIAC. Enrollment is done quarterly and properties must re-enroll every three years. More information about RiverSmart Rewards can be found at <http://doee.dc.gov/riversmartrewards>.

OPT-IN:

In order to participate in RiverSmart Rewards, I _____ (name of DC Water account holder) agree to:

1. Allow DOEE to enroll my property in the Stormwater Fee and CRIAC discount programs;
2. Allow DOEE to inspect the qualifying green infrastructure practices as part of the discount award process;
3. Maintain the qualifying green infrastructure practice over the course of the three-year discount period;
4. Inform DOEE if I remove, alter, or stop maintaining the green infrastructure project; and
5. Grant DC Water permission to share information with DOEE about my water and sewer account.

I understand that DOEE will calculate my discount rate based on the green infrastructure practices reported on this rebate application form and that if I have additional green infrastructure, I must submit a separate RiverSmart Rewards application to DOEE so that my discounts reflect all of the green infrastructure on my property. Contact DOEE for instructions on how to report existing green infrastructure for discount consideration.

I have read, understand, and agree to the terms and conditions listed above.

Property Address: _____

DC Water Account Number: _____

Signature of DC Water account holder: _____ Date: _____

FOR FURTHER INFORMATION PLEASE CONTACT:
Emily Rice at the Department of Energy & Environment
riversmart.rewards@dc.gov . 202-535-2679

