

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.

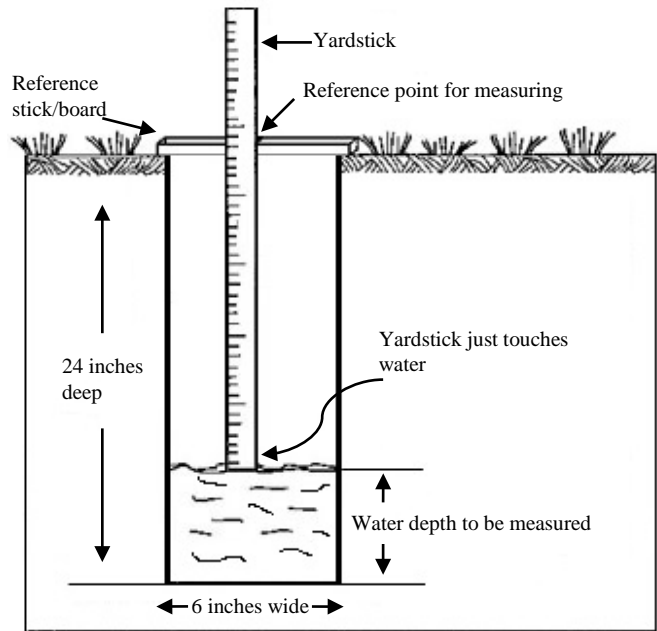
Step 1: Dig a hole that is 24 inches deep and 6 inches wide in the area where the project will be installed.

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)	Depth of Water (inches)	Total Change in Water Level (inches)	Infiltration Rate (inches per hour)
First Fill		12		
Second Fill	1		Subtract water depth at hour 6 from 12 inches: _____	Divide total change in water level by 6 hours: _____
	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 BLOOMINGDALE 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 \$10 per square foot of impervious surface replaced with pervious pavers (a downspout of rain barrel must be extended into the permeable pavement area), upon final inspection and approval of project; and/or
- Provide a rebate awarded at \$5 per square foot for impervious surface converted to vegetated space (downspout extension recommended but not required); and
- Facilitate distribution of free paver materials if relevant.

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 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, understood, and agreed 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





BLOOMINGDALE REBATE PROGRAM FREE PAVER INFORMATION

OVERVIEW:

The 2016 Bloomingdale Rebate Program offers free permeable pavers to homeowners while supplies last. These pavers may only be used for a RiverSmart rebate project located within the Bloomingdale Sewershed (check this map for boundaries: goo.gl/HvhmWo).

Ordering free pavers is part of the project application process. Rebate applications that include free pavers will only be reviewed and approved for construction if the order form (found on the next page) is complete at the time the application is submitted. Contractors must have a PICP Specialist Course completion certificate and are responsible for picking up the pavers at the storage facility in Jessup, MD. **Important note:** paver orders must be placed at least 7-10 days before pick-up date.

FREE PAVER DETAILS:

- **Type:** Aqua-Bric, Type "4" L-shaped permeable pavers from Eagle Bay
- **Quantity:** Pavers are available in whole cubes only
- **Colors:** There are 3 different color options: Nova (grey), Richmond (red/brown), and Jefferson (grey/tan)



- **Border Stone:** 6"x9" border stone is available to order in the same 4 colors, but must be paid for out-of-pocket. The cost is \$375 per pallet. They are not required by the manufacturer.
- **Sample photos:**



Color: *Nova*



Color: *Richmond*



Color: *Jefferson*

INSTALLATION REQUIREMENTS:

- These pavers must be installed to meet the project requirements of the RiverSmart Bloomingdale Rebate Program, as well as the minimum depth requirements for each stone layer outlined in the spec sheet from Eagle Bay (last page of application packet).
- Border must be poured concrete only, not concrete edging, or any other type of edging.
- All project designs and proposals must be approved by the Alliance for the Chesapeake Bay **prior to the start of construction**. If this is not done, the project may not receive funding and the free pavers cannot be used!

FOR FURTHER INFORMATION PLEASE CONTACT:

Sarah Davidson at the Alliance for the Chesapeake Bay
sdavidson@allianceforthebay.org . 202-817-9672





BLOOMINGDALE REBATE PROGRAM FREE PAVER ORDER FORM

Homeowner Name: _____ Homeowner Address: _____

Contractor Name: _____ Contractor Address: _____

Contractor Phone: _____ Pick-up Date & time: _____

STORAGE LOCATION

All free pavers are being stored at *First Impression Hardscapes, LLC*. Your contractor will need to pick up your order at this location on a pre-scheduled day and time. There will be someone on-site to help load and provide a material ticket for the order.

- **Address:** 7154 Montevideo Road, Jessup, MD 20794
- **Phone:** 410-799-0299

INSTRUCTIONS FOR PLACING AND PICKING UP AN ORDER

- **Step 1:** Complete and submit this rebate application packet, including the free paver order form, to the Alliance for the Chesapeake Bay (contact Sarah Davidson at sdavidson@allianceforthebay.org)
- **Step 2:** Receive project approval from the Alliance for the Chesapeake Bay (the Alliance).
- **Step 3:** Confirm pick-up date with the Alliance.
- **Step 4:** Provide a copy of the order form to whoever is in yard to load at First Impression Hardscapes.
- **Step 5:** Pick-up pavers at storage facility in Jessup, MD and get material ticket (verifying amount of material) signed by whoever is there from First Impression Hardscapes. Send a copy of this ticket to the Alliance.
- **IMPORTANT:** Schedule in advance! If no one is there to load the pallets, you're out of luck. If running late, call the First Impression Hardscapes office and let them know (410-799-0299).

Material:	Color:	Number of Cubes/Pallets:
Aqua-Bric, Type "4" L-shaped permeable pavers from Eagle Bay		

Special Notes:

Please direct questions to Sarah Davidson at the Alliance for the Chesapeake Bay (sdavidson@allianceforthebay.org).