2017 PERMEABLE SURFACE REBATE PROGRAM

Large Project Supplement

The RiverSmart Permeable Surface Rebate Program defines a "large project" as any project measuring more than 1,200 square feet (sf). All large project rebate applications require the standard *Permeable Surface Rebate Application,* along with the requirements listed in this *Large Project Supplement.* Please send all application documents to the Alliance for the Chesapeake Bay (the Alliance) for review and approval prior to beginning construction. Failure to do so may result is disqualification for funding. Rebate program guidelines can be found in the *Permeable Surface Rebate Program Applicant Guide*. Permeable paver project guidelines can be found in the Department of Energy and Environment's (DOEE's) Stormwater Guidebook. Rebate funding cannot be used to fulfill a DOEE required Stormwater Management Plan.

Large Project Application Requirements

In addition to the documents outlined on page 1 of the Application, large projects require:

- ❑ Signed Maintenance Block from DOEE (page 3 of this supplement)
- ❑ Letter of support from HOA/organization/community leadership (if applicable), indicating that all members are on board and committed to maintaining the project
- ❑ Proposed work schedule (should include but not be limited to: expected date contractor/property owner will obtain required permits, date construction will begin, and date construction will be complete)
- ❑ List of permits required for this project and their status
- ❑ Additional perc test worksheets (page 2 of the application)

Rebate Maximum

The maximum rebate amount for any project falling within the Combined Sewer Overflow (CSO) area of the city is $12,000. There is no maximum rebate amount for projects located in the Municipal Separate Storm Sewer System (MS4) area of the city, but all rebates are subject to available funds. To determine if your project is located in the CSO or MS4 area of the city, see this map.

Funding Availability

All projects are subject to available funding. If the Alliance determines that funds are no longer available, but the project meets all requirements, you will be encouraged to reapply in the future.

Project Timeframe

Project construction must be completed within six months of pre-construction approval, unless a different schedule has been agreed upon in writing, by the Alliance and the applicant.

Access and Maintenance

The property owner:

- Must provide project access to DOEE and the Alliance for inspection.
- May also be asked to make the project site available for a ribbon-cutting event and/or DOEE/Alliance-led tours.
- May be asked to provide future public access on a regular schedule or by appointment.
- Must maintain the project, based on a project-specific maintenance plan agreed upon with the Alliance, to assure continued optimum performance for the life of the project.
- Must be willing to display signage related to the project at the project site.

Design Sketch

See Design Sketch Requirements on page 3 of the Applicant Guide for a detailed list of what to include and a sample sketch. Along with the design sketch, please attach the DOEE Maintenance Block, on page 3 of this supplement.

Percolation Tests

Projects over 1,200 sf require more than one percolation (perc) test. Please refer Table 1 for the number of tests needed on your project and submit a separate Perc Test Worksheet (page 2 of application) for each. More information on perc tests can be found in Appendix O of the DOEE Stormwater Guidebook.

Table 1: Number of Percolation Tests Required Based on Project Size

Area of Practice (sf)	Minimum Number of Perc Tests
< 1,200	1
1,200 – 1,999	2
2,000 – 9,999	3
≥ 10,000	Add 1 test for each additional 5,000 sf

Underdrains/Overdrains

Proposed underdrains and overdrains will be reviewed based on the criteria outlined in Table 2.

Table 2: Underdrain/Overdrain Determination Criteria

Perc Rate	Underdrain/Overdrain Determination
< .5 inches/hour	Required
≤ 1 but ≥ .5 inches/hour	Recommended
> 1	Discouraged

Contributing Drainage Areas

Natural Cover _____ sf
Compacted Cover _____ sf
Impervious Cover _____ sf
BMP Cover _____ sf
Runoff _____ ft^3

Storage Volume

Use this equation to determine the storage volume for the project: **$Sv = Ap\ [(d_p \times \eta_r) + (i/2 \times t_f)]$**

Sv = Storage Volume _____ ft^3
Permeable Pavement surface area (Ap) _____ sf
Depth of reservious layer (d_p) _____ ft
Field verified infiltration rate (i) _____ ft/day (if impermeable liner is used, than i = 0)
Effective porosity (η_r) 0.35
Time to fill (tf) 0.083 days

Additional Information

Will the project have an infiltration sump? _____
Will the project have a water quality filer? _____
Will the project have an underdrain? _____

STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE

The undersigned agrees to maintain and operate the stormwater best management practices (BMPs), stormwater infrastructure, and land covers in such a manner as to comply with the provisions of Chapter 5 of Title 21 of the District of Columbia Municipal Regulations (DCMR).

Responsibility for maintenance and operation may be transferred to another entity upon written notice to the Watershed Project Division of the Department of Energy and Environment from the undersigned and the entity assuming responsibility. This notice must certify that the transfer of responsibility for maintenance and operation is in compliance with 21 DCMR Chapter 5.

_____

Signature of the person responsible for maintenance (it may be the applicant)

_____

Name and Title (please type)

_____

Address _____

Date _____ Phone No: _____