

# RainScapes

## Options for on-site stormwater controls



RainScapes.org

May 8, 2023



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DD15  
EA9

## What is a RainScape?



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## Slide 1

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**RD15** Since this class is geared to homeowners, a photo at a residence would be better than one of a planting next to a parking lot  
Robbins, Darlene, 3/1/2022

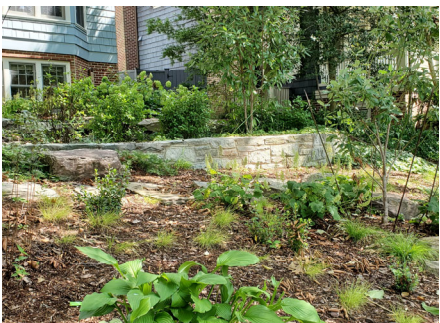
**EA9** this is St James  
English, Ann, 3/9/2022

## RainScapes Gardens

- Slow the flow of stormwater
- infiltrate stormwater
- designed and planted with 75+% Native Plants
- support pollinators
- sequester carbon



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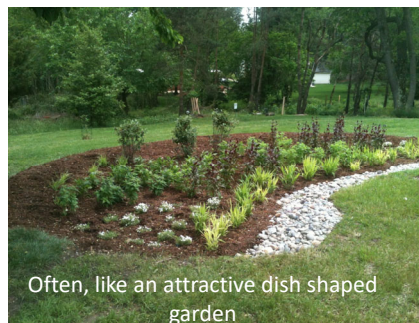


Combining project types  
for a complete solution

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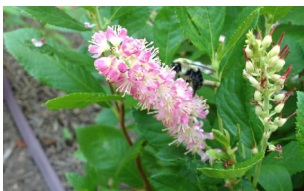
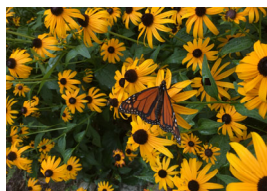
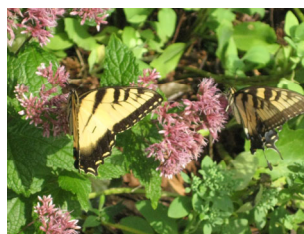


## Many forms to manage stormwater



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## What can you find in a RainScape Garden?



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## Our Watersheds and Stormwater Runoff

What are we dealing with?



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## How do RainScapes work?



Eroded lawn



Improve soil health



Stable plantings

Restore hydrology  
Slow it down,  
spread it out,  
soak it in

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## What does a RainScape Look Like?



Before – thin  
grass/ erosion

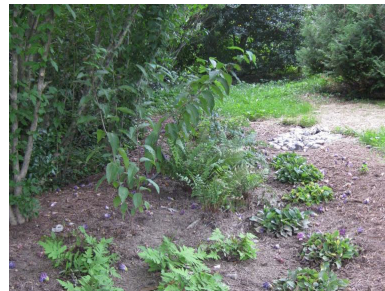


After – densely  
planted/ stable

### Examples

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RainScapes convert yard spaces into attractive and functional spaces that soak up the rainwater



What was lawn is now a Rain Garden



Asphalt Drive  
before



Permeable Interlocking Concrete Pavement  
after

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## Sometimes it looks like part of the hardscape



Rain garden/ stormwater planter



Permeable Interlocking Concrete Pavement Driveway



Water harvesting: Cistern or Rain Barrels

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## Driveways can feel like patios



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## Connecting the house to the environment



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## Same aesthetic, better function



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Sometimes it looks like a big garden



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Integrated into the landscape

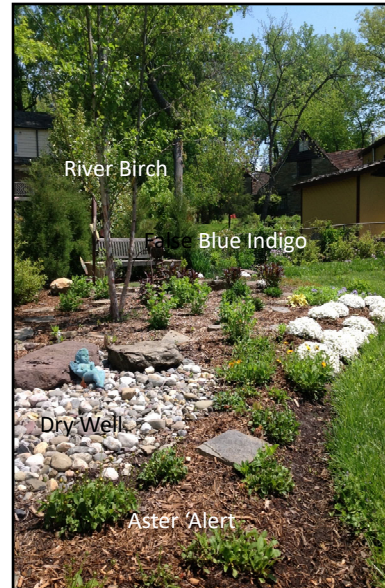


No lone kidney bean-shaped  
gardens in the middle of the yard!

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## Natives in the landscape – function and beauty and more! infiltration and carbon sequestration



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## RainScapes help to manage lot-to-lot drainage



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## We encourage layers



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## Designing Your Garden

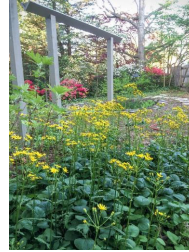
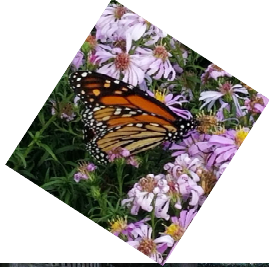
*"Experientially rich, ecologically sound  
& "of the place"- dynamic"* Darrel Morrison,  
FASLA

- Think big, but start small
- Avoid invasive species and plan to use at least 75% native plants
- Have your soil tested before you begin



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RainScapes transform yards for  
people and pollinators



people turn challenges into opportunities

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Are you looking at something  
like this?



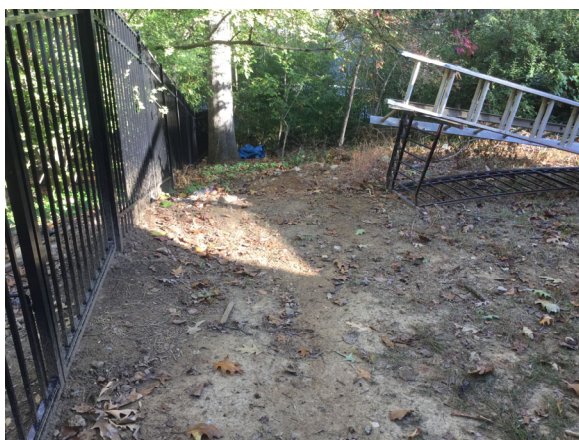
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Prioritize your projects, Solve problems first



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### Rain Garden size:

Usually 100 - 300 sf soaking in water from a roof, patio, walk or drive (typically 2000 SF of impervious or less)

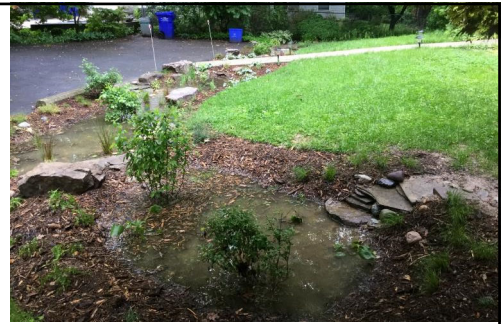
### Conservation Landscapes size:

Usually 600-900 sf and may help to slow and direct the flow as well as absorb some of the water

The target is to capture between 1.2" and 2.7" of rain

Why?

- Provides water quality protection at the lower end, and channel protection at the higher end
- 90% of rainstorms in this area are less than an inch



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## RainScapes Rewards Incentive Program through Feb 2022

Project Type	Average project size	Average cost per SF or Gal	Range of cost per SF or Gal	Average rebate cost share
Cistern	643 Gal	\$1.31 Gal	\$0.20 - \$4	51%
Conservation Landscape	984 SF	\$9.63 SF	\$0.18 - \$86	32%
Permeable Pavers	520 SF	\$30.90 SF	\$5.70 - \$121.64	24%
Pavement Removal	703 SF	\$11.20 SF	\$2.81 - \$47.05	24%
Rain Barrels	204 Gal	\$1.80 Gal	\$0.35 - \$7.03	49%
Rain garden	246 SF	\$22.08 SF	\$2.52 - \$171.69	38%
Green Roof	249 SF	23.50 SF	\$10.72 - \$44.15	31%

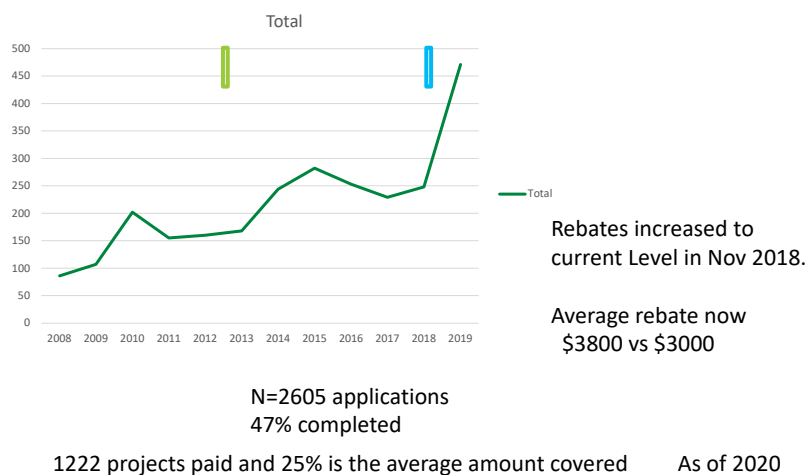
NOTE: these cost figures include DIY and Professionally installed; about half of our projects are DIY so these costs may be generally low if you hire a professional

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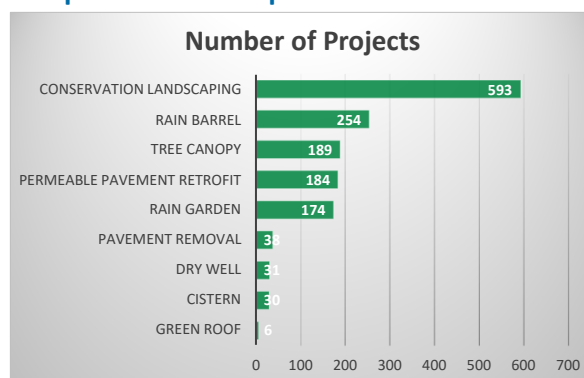


## Impact of increasing rebate levels in 2012 and 2018



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## RainScapes Accomplishments 2008-2022



Over 55 IA treated with RainScapes projects

**1,499 Total Projects**  
**\$3,121,523.87 in rebates paid**  
 583,725 SF (13.4 acres) Conservation landscaping installed  
 95,650 SF (2.2 acres) Permeable Pavement Retrofit installed  
 42,855 (.98 acres) SF Rain Garden installed  
 1,006 Contractor installed projects (67% of projects)

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## Easy Application Process....

**RainScapes Rewards**

Apply for RainScapes Rewards Rebates

Thank you for taking the time to apply for a RainScapes Rewards rebate. What you are doing right now will make a huge difference both to health of your property and the overall health of our watershed.

Follow these steps to make sure you have a successful application:

**Step 1: Are you in the right place?** Have you visited our home page and looked at our project manuals at [www.rainscapes.org](http://www.rainscapes.org) to learn about the RainScapes project types?

**Step 2: What you should know before you start:**

- The application will take approximately 15-20 minutes. Applications should be completed.
- Once you submit your application, someone will typically get back to you within 2-3 days.
- This is what you will need:
  - Your property tax id number: <https://www2.montgomerycountymd.gov/PropertyTax/PropertyTaxInformation.aspx>
  - A specific project type: If you're not sure about the RainScapes project type guidelines, look at the specific project type requirements in the columns on the right.

[Is this a new application for a RainScapes Rewards Rebate?](#)  
(Be sure to record your application submission date and number when you finish.)

[Check the status of your application.](#)

\* With the exception of rain barrels RainScapes projects must be pre-approved prior to installation.  
† The money for rebates is allocated on a first-come, first-served basis.

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### Windows of application

The schedule for accepting applications\*:

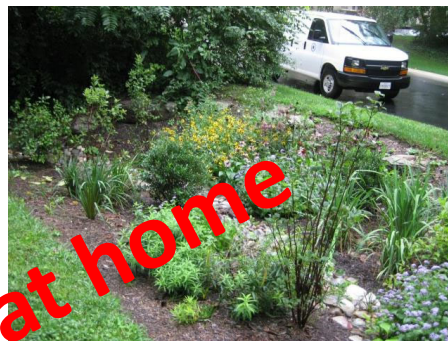
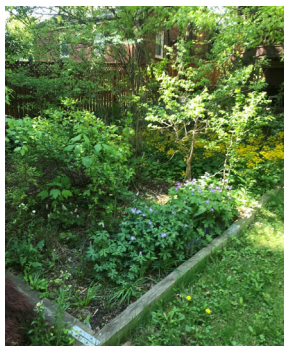
**July 15 – October 15<sup>th</sup>**

**February 1<sup>st</sup> – March 31<sup>st</sup>**

*\*May be adjusted according to demand*

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## Doing your part for Clean Water and Climate Change



Tackling Climate Change is a “there and then” proposition

RainScapes are in the “here and now” specific action which provides some immediate runoff reduction benefits as well as long term environmental benefits

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# RainScapes :



RainScapes.org

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