

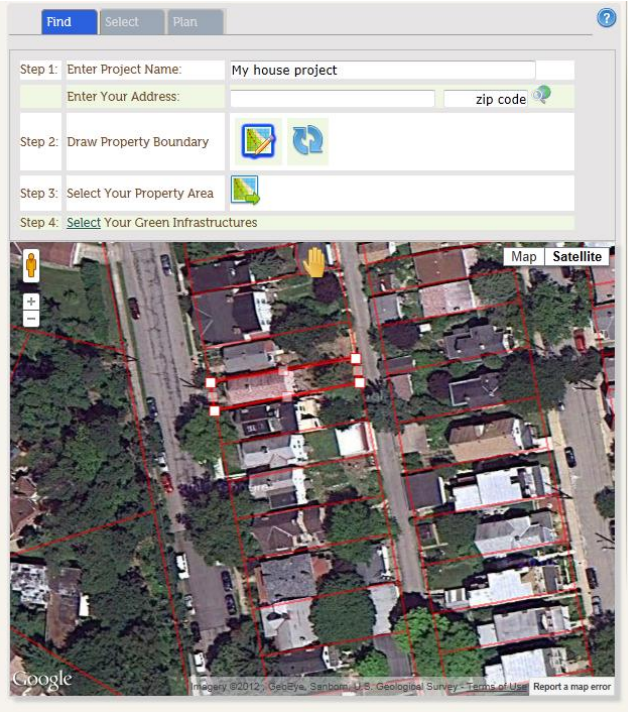


# 1 Property Owner Tool

| Screen Example   | Description   |
|--|---|
|  | <p>The homeowner's tool allow property owners or planners to select their property and plan GI projects. The home page allows a logged in user to view saved projects or to start a new project by click Start Home Owners Tool</p> |

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|  | <p>If the user is starting a new project they will be directed to the Find Tab that allows them to find a project using either the map or by entering in an address. If the user uses the map to locate the project the system will reverse geocode and provide the address for the center of the property. There is no limit to the size of property a user can select so theoretically a plan can select a block of homes to determine basic GI plans.</p> <p>Once the user has drawn their property they go to Step 3 and select the property to delineate the area selected. After the area is selected they review their property information and move on to select the GIs for their site.</p> |
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Find Select Plan


Step 1: Enter Project Name: My house project  
Enter Your Address: 218 Meadow St 15206

Step 2: Draw Boundary Step 3: Select Your Property Area to Determine

Step 4: Verify Your Property Information and Address is Correct  
Step 5: Go and Select Your Gl's

Annual Runoff: 68,298 gal.




Reduction: 0 gals.  
Area Treated: 0 sq. ft.

|       | Reduction (gals.) | Area (sq.ft) | % area treated |
|-------|-------------------|--------------|----------------|
| Yard  | 0                 | 0            | 0              |
| Paved | 0                 | 0            | 0              |
| Roof  | 0                 | 0            | 0              |

Total Green Practices: 0  
Total Costs(\$):

Roof Area: 2067 SQ.FT  
Yard Area: 5882 SQ.FT  
Paved Area: 717 SQ.FT  
Downspouts on Roof:



Once the user has highlighted the property they click the delineate button to select the property and pull the property information. Note that the property information for Yard, Roof and Paved and annual runoff for each is dynamically calculated based on HRU and does not use the county parcel information.


Once the user has selected the property the Select and Plan Tab are enabled along with the user to move on to Select Gl's.

Prior to moving forward a user should review that the total area for Roof, Yard and Paved is appropriate and if it is not change according.


Find Select Plan
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Using the address you provided, the tool was able to find your location and build your Property Profile, which includes information like average annual rainfall, total parcel acres, slope, and soil type. This data is then used to determine which green infrastructure (GI) projects are best for your home. The highlighted green infrastructure below is recommended for your area but you can select any of the GIs listed below. If you need additional information about these GIs and more click on the [Green Solutions](#) tab on the top menu.


Roof Paved Yard

**Green Roof**  



Green roofs are a thin layer of living plants growing on top of a roof and an extension of a conventional roof which involves installation of a

**Rain Barrels**  


Rain barrels, or cisterns, are aboveground water storage vessels. They capture rain runoff from a building's roof using the gutter and downspout system.


**Dry Wells**  


A drywell is an underground perforated pipe surrounded with gravel that collects stormwater runoff and infiltrates it into the ground.

**Disconnected Downspouts**  


Downspout disconnection is the process of detaching a downspout from the storm drain system so that the volume of water entering the storm drain pipes is reduced.

**Annual Runoff: 68,298 gal.**




**Reduction: 0 gals.**  
**Area Treated: 0 sq. ft.**

|              | Reduction (gals.) | Area (sq.ft) | % area treated |
|--------------|-------------------|--------------|----------------|
| <b>Yard</b>  | 0                 | 0            | 0              |
| <b>Paved</b> | 0                 | 0            | 0              |
| <b>Roof</b>  | 0                 | 0            | 0              |

Total Green Practices: 0  
Total Costs(\$): \$0

Roof Area:  SQ.FT.  
Yard Area:  SQ.FT.  
Paved Area:  SQ.FT.  
Downspouts on Roof :



The select tab highlights the appropriate Yard, Paved or Roof GI that is recommended for installation. The user has the option to choose additional GIs they feel are suited for their property.

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**Find Select Plan**

You have ed the following RainWays Best Practices. Click to size each Green Practices and view the costs. Click on the RainWays Improvements to see details on how you are improving the community. To view vendor information check the appropriate Green Practices and click Vendors button at the bottom.

**Green Roof**

Install Cost(\$): 1220  
Maintenance Cost(\$): 320  
Vendor Used: Bob  
Date installed: 01/02/2011  
Vendor Address: 123 Route 1  
Vendor Rating: ★★★★★

Area to be Managed: 40 %  
Covered Area: 827 ft<sup>2</sup>  
Total Cost(\$): 26900.00

**Rain Barrels**

Area to be Managed: 50 %  
Total Tank Volume: 1160 gallons (21x 55 gal. tanks)  
Total Cost(\$): 701.00

**Bioretention**

Area to be Managed: 0 %  
Covered Area: 0 ft<sup>2</sup>

**Annual Runoff: 68,175 gal.**

**Reduction: 28,299 gals.**  
**Area Treated: 3,197 sq. ft.**

You have exceeded the treated area for Roof. Use the sliders for Roof projects to reduce the area treated otherwise your projects will be over sized.

|       | Reduction (gals.) | Area (sq.ft) | % area treated |
|-------|-------------------|--------------|----------------|
| Yard  | 0                 | 0            | 0              |
| Paved | 0                 | 0            | 0              |
| Roof  | 28,299            | 3,197        | 144.9          |

Total Green Practices: 3  
Total Costs(\$): \$71,595  
Roof Area: 2205 SQ.FT.  
Yard Area: 5904 SQ.FT.  
Paved Area: 570 SQ.FT.

The last step in the tool is the Plan Tab. The user can toggle between this and the Select tab to add additional GI projects.

The following are the key functional features of the page.

1. The slider allows a user to size the GI. Each GI is increased by 5% intervals as they move the slider.
2. Based on the slider the area managed shows how much of the total area is managed as you increase the size. The covered are is the actually size of the GI with the exception of Rain Barrels and Downspout Disconnects which are measured in volume captured.
3. As you move the slider the benefits rain barrels empty and fill the first value in the rain barrel shows the overall percent reduction for this entire property roof, yard or paved area. The second number shows the volume reduction as it relates to the entire property.
4. Once a user is ready to install the GI they click the link to show the cost, date and vendor installation information. This should only be completed if the GI was installed.
5. As the user adjusts the values the amount captured and the total area treated increases. The total area treated can extend past the property size but the user is provided that information in the table below.
6. The table is a breakout of the reduction, area treated and then the overall % area treated for roof, yard and paved. If the value is above 100% a message will alert the user they have over treated the property.
7. The tool allows the user to set the total square feet for the roof, yard and paved area if the calculations by the tool they do not feel are accurate. Based on these changes the GI sizing, flow and reduction to and from the property are adjusted.
8. Once the user is completed they can either close the window or click save. If at this point if they have not logged in they will be prompted to login to the tool. Once they are logged in they will be



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|  | asked whether they want to publish the project and after they respond the project is saved. |
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