



# Rain Garden

## Pre-Installation Form

Please complete this pre-installation form after your stormwater consultation site visit with a Central Lake Erie Basin Collaborative (CLEB) representative and before installation begins. Use the guide and resources included to complete the form and supplemental materials. Include the following materials with your completed form:

*We do not sell or share contact data.*

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Design sketch | <input type="checkbox"/> Planting plan                | <input type="checkbox"/> Itemized invoice estimate |
| <input type="checkbox"/> Before photos | <input type="checkbox"/> Signed Maintenance Agreement |  |

Submit your completed form to [stormwaterrebates@crwp.org](mailto:stormwaterrebates@crwp.org).  
Submit within 45 days of receiving your stormwater consultation recommendations.  
Adjustments to the form may be submitted with CLEB approval after this date.

Full Name: \_\_\_\_\_

Site Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_

Contractor (if applicable): \_\_\_\_\_

Drainage Area (ft<sup>2</sup>): \_\_\_\_\_ x Impermeable Surface Multiplier: \_\_\_\_\_

= Rain Garden Area (ft<sup>2</sup>): \_\_\_\_\_ Rain Garden Depth (in): \_\_\_\_\_





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## Percolation Test Guide

The size of your rain garden will be determined by the size of the runoff area and the permeability of your soil. Soil permeability is the rate in which water runs through the soil. Follow these steps to perform a soil percolation test for soil permeability.

### 1. Dig a hole

After consulting with a CLEB representative on rain garden placement, dig a hole about 6 inches wide and 18 inches deep within your proposed rain garden site.

### 2. Fill the hole with water

Fill the hole completely with water and allow it to drain. This step will allow the soil to saturate and prep the soil for the percolation test.

### 3. Perform the percolation test

Fill the hole completely with water again and note the time. Check back on your hole in 24 hours to see if the water has drained



Water that drains in **less than 24 hours**, is well-draining (e.g. sand, silt).

Water that drains in **more than 24 hours**, is poorly-draining (e.g. clay).

Use the chart below to determine what percentage of the drainage area to use to calculate the size and depth of the rain garden.

Time to Drain	Impermeable Surface Multiplier	Ponding Depth
Less than 24 hours	20% (0.2 x Drainage area)	4 – 6 inches
More than 24 hours	30% (0.3 x Drainage area)	3 inches

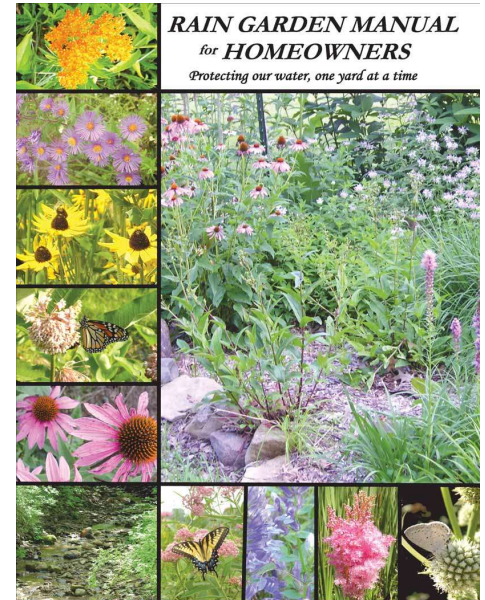


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## Installation Resources

### Rain Garden Manual for Homeowners

This guide was developed by regional organizations and agencies in cooperation with the Northeast Ohio Public Involvement Public Engagement (NEO PIPE) work group. In this manual you will find information to help guide you on how to design, install, and maintain rain gardens on your property. [See the Rain Garden Manual for Homeowners.](#)



**MASTER  
RAIN  
GARDENER**

### Master Rain Gardener Program

The Northeast Ohio Master Rain Gardener Program is a 5-class course that teaches participants how to design, install, and maintain residential rain gardens. Master Rain Gardeners earn

their certification by completing the course content and building a rain garden. This course is taught by experienced instructors who will walk you through every step to putting your rain garden in the ground. Visit [neomasterraingardener.org](http://neomasterraingardener.org) for course options and to learn more.

### Prefer to Hire a Pro? Consider a Professional Rain Gardener!

Professional Rain Gardeners are certified landscaping professionals who have completed the Professional Rain Gardener course as part of the Master Rain Gardener Program. [See the List of Professional Rain Gardeners.](#) Inclusion on this list does not constitute an endorsement.





# Rain Garden

## Itemized Cost Estimate Example

The following is an example of an itemized cost estimate for rain garden materials. This is an example and the values presented should not be considered an actual estimate of any items' cost, nor should it be considered a comprehensive list of supplies and materials needed to successfully install a rain garden. If you are hiring a contractor to install the rain garden, you may request that they provide you with an itemized invoice. Once you receive approval for installation, please remember to save any receipts and invoices you receive to be included along with your Rain Garden Rebate Application.

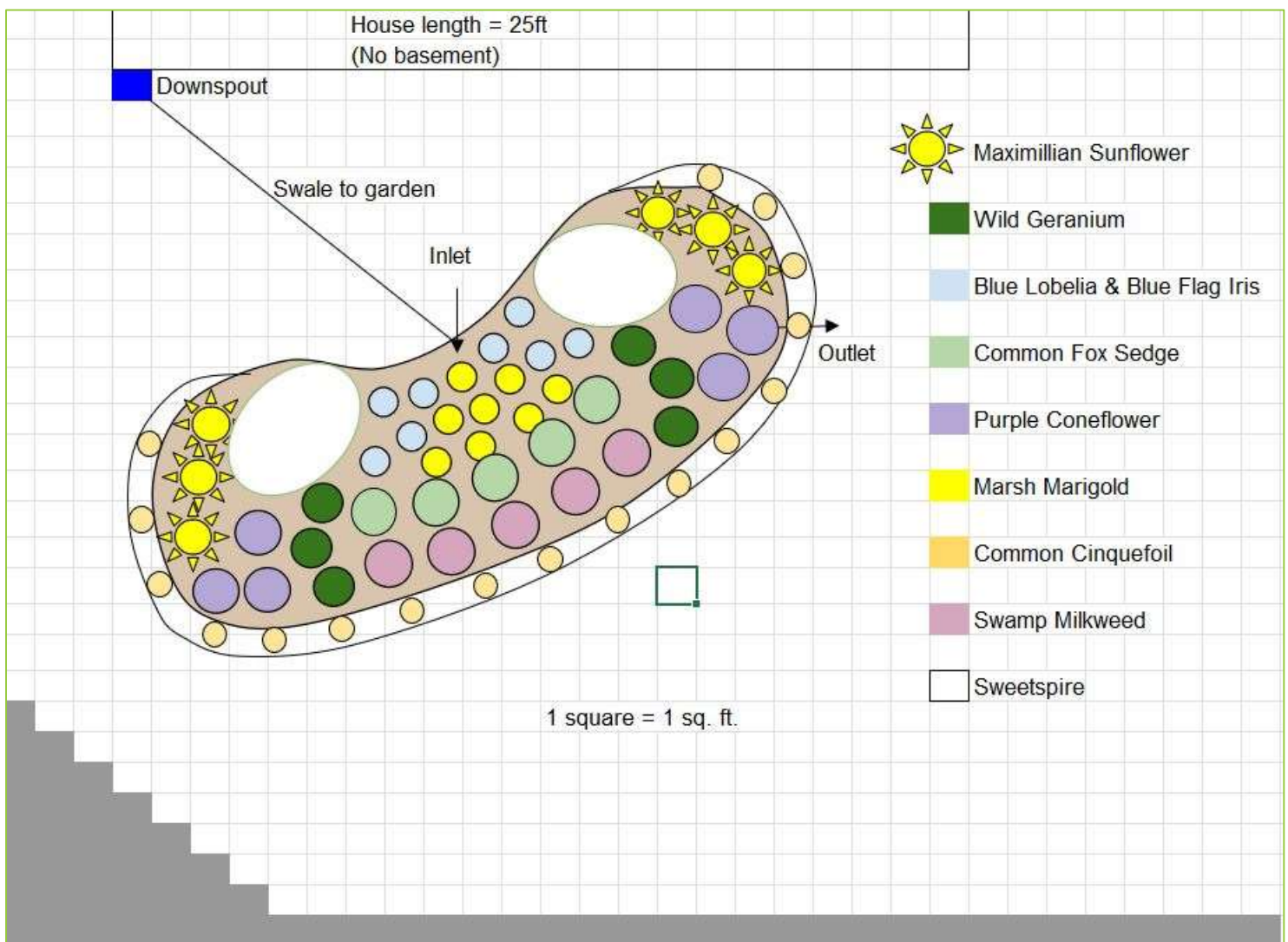
Item Type	Item Description	Estimated Cost	Estimated Subtotals
Tools	40" Digging Shovel	\$ 15.00	\$ 115.00
	Level	\$ 10.00	
	Wheelbarrow	\$ 90.00	
Earth material	Compost	\$ 26.00	\$ 47.00
	Mulch	\$ 21.00	
Plants	Assorted Native Species	\$ 500.00	\$ 500.00
Drainage Equipment	PVC Pipe	\$ 10.00	\$ 35.00
	Pop-up drain emitter	\$ 15.00	
	River rock	\$ 10.00	
Total Cost Estimate			\$ 697.00



# Rain Garden

## Design Sketch Examples

The following are examples of rain garden design sketches. Design sketches can be done in a variety of formats by hand or digitally. In your sketch, please be sure to include and label any houses, fences, trees, utility lines, or any other relevant structures near the proposed rain garden. Please include a scale and indicate the location of the water source as well as the rain garden inlet and outlet location. Please provide an approximate planting plan and a list of plants that you plan to use. If you are hiring a contractor to install the rain garden, you may request that they provide you with a design sketch to submit.



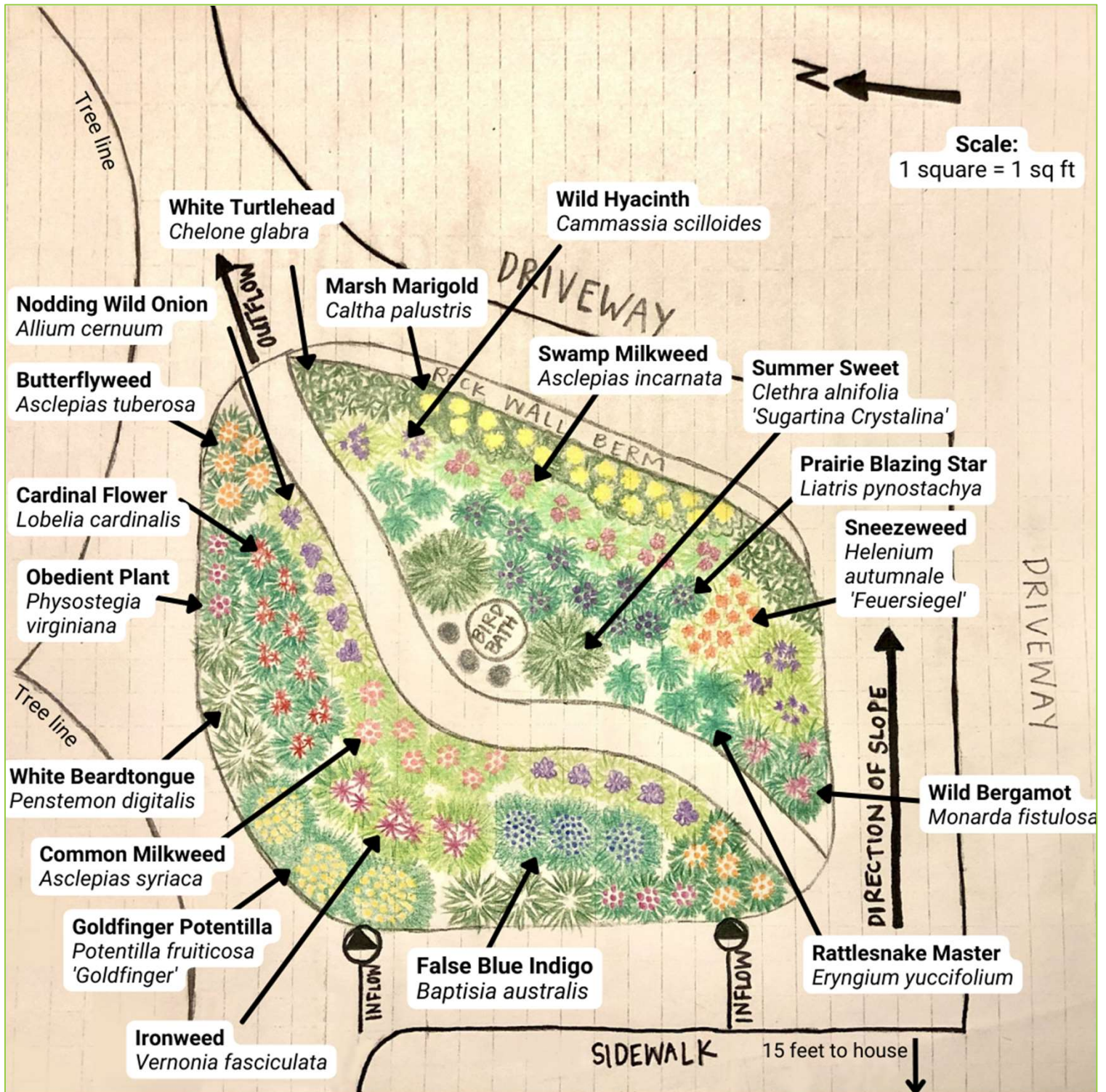
Rain garden sketch designed on a computer using Microsoft Excel





# Rain Garden

## Design Sketch Examples



Rain garden sketch designed by hand using graph paper