

Rain Garden Design Plan Template

Owner is responsible to field verify location of all underground utilities prior to any work. Call 811 or 800-482-7171 at least 72 hours (3 business days) before you plan to start your work.



Design Checklist

☐ Property Lines (label distance)	☐ Berm
☐ Structures	☐ Water Flow Direction
☐ Trees (with dripline)	☐ Slope Direction (of property)
☐ Rain Garden Inlet	☐ Slope Direction (of rain garden)
☐ Rain Garden Outlet	

Rain Garden Sizing

Step 1: Determine Depth of Rain Garden

Rain Garden Slope (circle one)	Required Depth
0-4%	3-5"
5-7%	6-7"
8-12%	8"

Step 2: Perform Soil Infiltration Test

Infiltration Rate (from infiltration test) = _____ inches/hour

Step 3: Determine Sizing Multiplier

Infiltration Rate	Sizing Multiplier (circle one)		
	3-5"	6-7"	8"
>1.25"/hr.	0.19	0.15	0.08
.75-1.00"/hr.	0.34	0.25	0.16
.25-.50"/hr.	0.43	0.32	0.20

Step 4: Calculate Required Rain Garden Size

X =

Total Area (sq ft) of Impervious Surfaces Draining to Garden (roofs, drives, etc.)	Sizing Multiplier	Required Area of the Rain Garden (sq ft)
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Step 5: Estimate Number of Plants Needed

÷ 2.25 =

Total Area (sq ft) of Rain Garden	Estimated Number of Plants
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Step 5: Design Check

Total Area (sq ft) of Designed Rain Garden (must be greater than or equal to the required area from Step 4)

Notes

- Drawing is completed to the accuracy of the base information. Slight modifications may be necessary during installation.
- Plants are subject to nursery availability. Substitutions may be made.
- It is the Owner's responsibility to call MISS DIG at least 72 hours (3 business days) before work is planned to start.

1 Block = 1 Square Foot