


# 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)
- ☐ Structures
- ☐ Trees (with dripline)
- ☐ Rain Garden Inlet
- ☐ Rain Garden Outlet
- ☐ Berm
- ☐ Water Flow Direction
- ☐ Slope Direction (of property)
- ☐ Slope Direction (of rain garden)

### Rain Garden Sizing

#### Step 1: Determine Depth of Rain Garden

Rain Garden Slope	Required Depth
0-4%	3-5"

#### Step 2: Perform Soil Infiltration Test

Infiltration Rate (from infiltration test) = \_\_\_\_\_ inches/hour

#### Step 3: Determine Sizing Multiplier

Infiltration Rate	3-5" Depth Sizing Multiplier
>1.25"/hr.	0.19
.75-1.24"/hr.	0.34
.25-.74"/hr.	0.43

#### Step 4: Calculate Required Rain Garden Size

\_\_\_\_\_

Total Area (sq ft) of Impervious Surfaces Draining to Garden (roofs, drives, etc.)

X

\_\_\_\_\_

Sizing Multiplier

=

\_\_\_\_\_

Required Area of the Rain Garden (sq ft)

#### Step 5: Estimate Number of Plants Needed

\_\_\_\_\_

Total Area (sq ft) of Rain Garden

÷

2.25

=

\_\_\_\_\_

Estimated Number of Plants (if using plugs)

#### Step 6: Design Check

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

*\*RainSmart Rebates will reimburse up to an additional 20% of the required rain garden square footage.*

### 1 Block = 1 Square Foot Notes

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