



Plantings Legend

	Goldfinger Potentilla (15)
	Purple Coneflower (24)
	Switch Grass (12)
	Hostas (12)
	Goldstrum Black-Eyed Susan (24)
	Blue Flag Iris (20)

- ### Design Checklist
- | | |
|---|--|
| <input checked="" type="checkbox"/> Property Lines (label distance) | <input checked="" type="checkbox"/> Berm |
| <input checked="" type="checkbox"/> Structures | <input checked="" type="checkbox"/> Water Flow Direction |
| <input checked="" type="checkbox"/> Trees (with dripline) | <input checked="" type="checkbox"/> Slope Direction (of property) |
| <input checked="" type="checkbox"/> Rain Garden Inlet | <input checked="" type="checkbox"/> Slope Direction (of rain garden) |
| <input checked="" type="checkbox"/> 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 = 0.80 inches/hour (from infiltration test)

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

$(700 + 204) \times .25 = 226$

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

Sizing Multiplier

Required Area of the Rain Garden (sq ft)

Step 5: Estimate Number of Plants Needed

$240 \div 2.25 = 107$

Total Area (sq ft) of Rain Garden

Estimated Number of Plants

Step 5: Design Check

240

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

- ### 1 Block = 1 Square Foot 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.