Doolers	Date:	
Designer: Location:		
	Sketch the Site Be sure to include permanent fixtures including the house, garage, sheds, large trees, driveway, sidewalks, and fences. Indicate which direction is north, downspout locations, low-lying areas in the yard, the general direction stormwater flows across the yard and the sun exposure in different areas of the yard. Highlight or hatch the areas where you plan to divert rainfall runoff to your rain garden.	

Rain Garden Design Worksheet

SIEP 2.	to the Rain Garden
	Length of House x Width of House = Total Square Feet of Drainage
	ft x ft = sq ft
STEP 3.	Determine the Drainage Area for Each Downspout by Dividing the Total Square Feet of House Drainage by the Number of Downspouts
	Total Square Feet of House I Number of Downspouts = Drainage Area per Downspout
	sq ft I downspouts = sq ft/downspout
STEP 4.	Determine how many Downspouts will be Directed to the Rain Garden and Multiply by the Result from STEP 3
	# of Downspouts to Garden x Drainage Area/Downspout = Drainage Area to Rain Garden
	downspouts x sq ft = sq ft
STEP 5.	Add Drainage Areas of Other Locations that will Flow to the Rain Garden (Driveways, Sidewalks, etc.)
	Square Footage of Other Areas + Roof Drainage Area to Garden = Total Drainage Area
	sq ft
STEP 6.	Divide the Result of STEP 5 by the Infiltration Rate of the Soil
	Assume for this example that the water level dropped 1 inch in 6 hours during the infiltration test
	1 inch
STEP 7.	Divide STEP 5 Result by the Recommended Depth from STEP 6 to Determine the Rain Garden Size
	Total Drainage Area x (1 (inch) I Depth of Garden (inches)) = Rain Garden Size
	sq ft x (1 inch I inches) = sq ft
STEP 8.	Determine the Length of the Sides by Taking the Square Root of the Rain Garden Size from STEP 7
	√ Rain Garden Size = X ft X
STEP 9.	Determine the Number of Plants Needed by Dividing Rain Garden Size from STEP 7 by 2.5
	Rain Garden Size I 2.5 sq ft = Number of Plants Needed
	sq ft