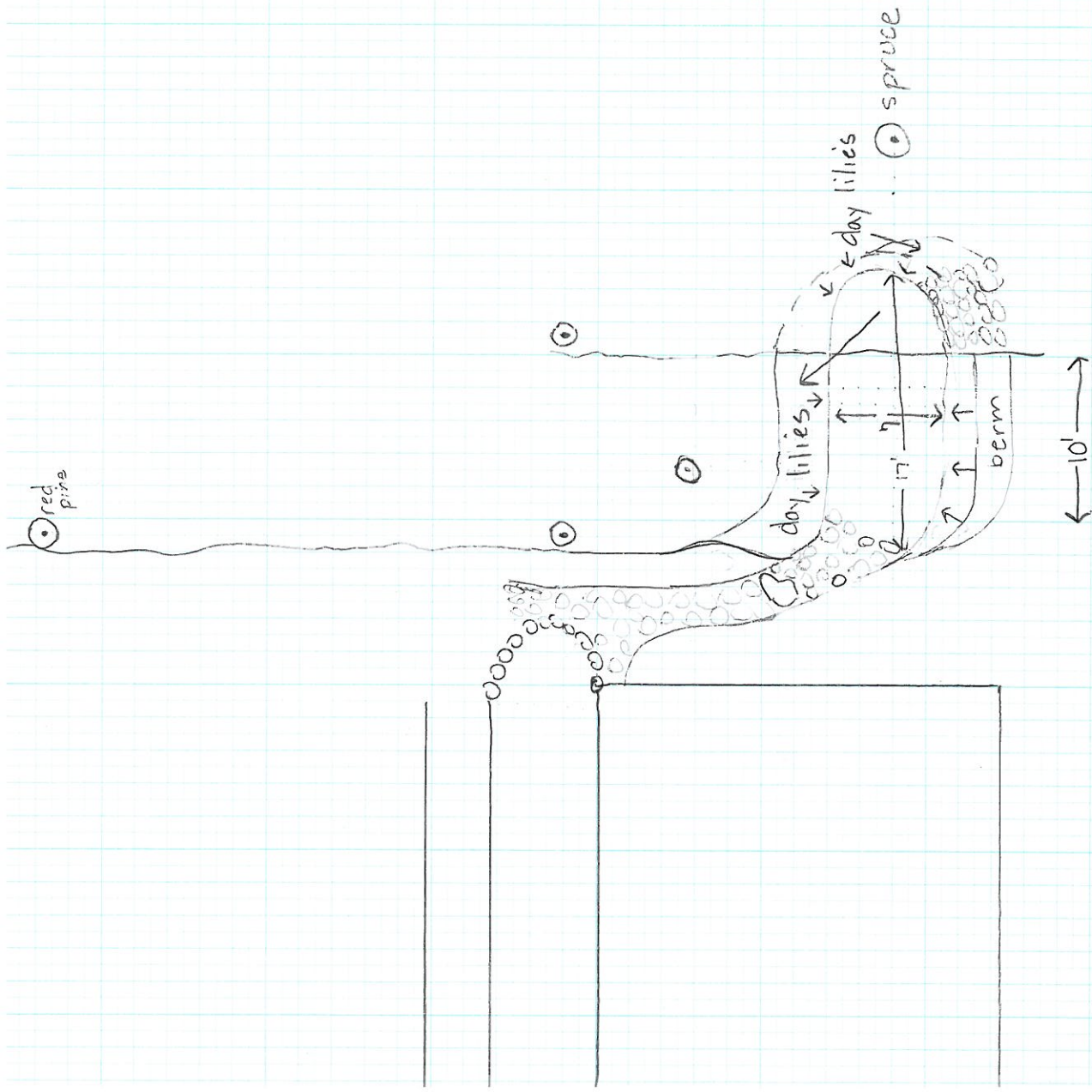
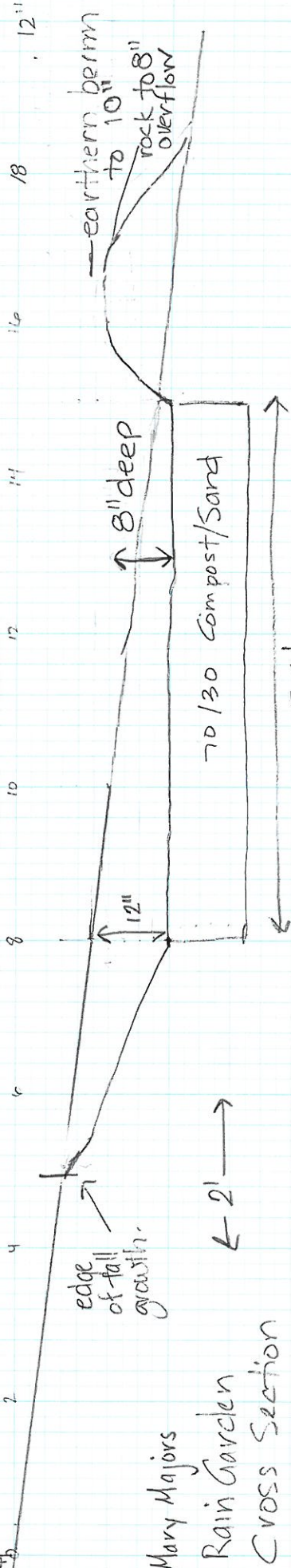


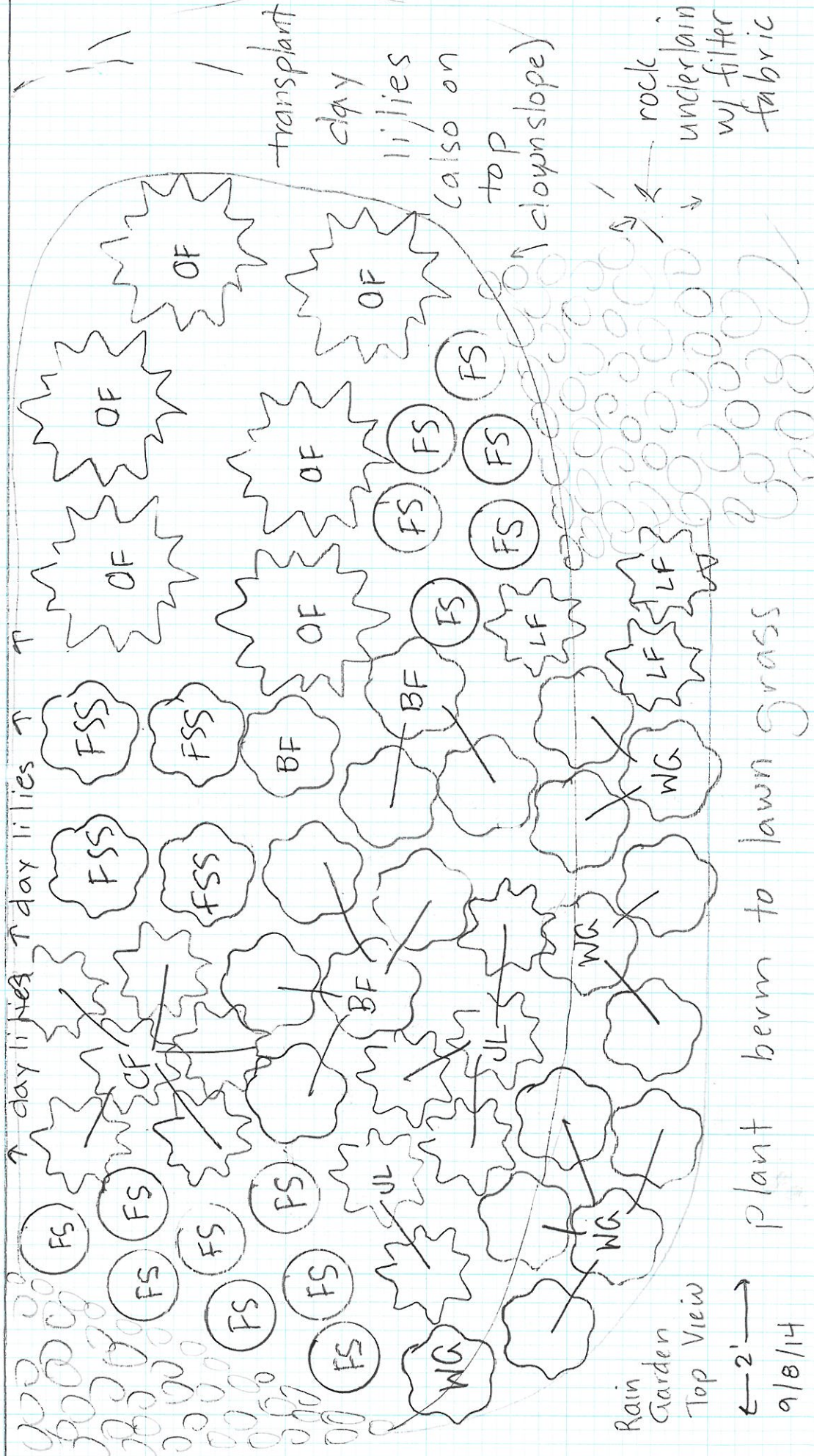
Mary Majors
1670 Patterson Ct

CClemens
9/8/14





Mary Majors
 Rain Garden
 Cross Section



plant berm to lawn grass

Rain Garden Plant List - Majors

	Common Name	Scientific Name	Height	Bloom Time	Bloom Color	
Flowers						
CF	Cardinal flower	<i>Lobelia cardinalis</i>	to 36 inches	July to October	Red	
WG	Wild geranium	<i>Geranium maculatum</i>	18 inches	May to June	Pink	
FSS	False solomon's seal	<i>Smilacina racemosa</i>	to 36 inches	May to July	White	
JL	Jacob's ladder	<i>Polemonium reptans</i>	18 inches	May to June	Blue	
BF	Blue flag iris	<i>Iris versicolor</i>	to 36 inches	June to July	Blue	
Ferns						
CN	Cinnamon fern	<i>Osmundo cinnamomes</i>	36 in	None	None	sub
LF	Lady fern	<i>Athyrium filix-femina</i>	24 in	None	None	
OF	Ostrich fern	<i>Matteuccia struthiopteris</i>	24 in	None	None	
Sedges and Grasses						
FS	Fox Sedge	<i>Carex vulpinoidea</i>	12 to 36 in	NA	NA	

Rain Garden Plant Quantities - Majors

	Common Name	Scientific Name	Seedlings	2" Pots	3" Pots	4-6" Pots
Flowers						
CF	Cardinal flower	<i>Lobelia cardinalis</i>		6		
WG	Wild geranium	<i>Geranium maculatum</i>			12	
FSS	False solomon's seal	<i>Smilacina racemosa</i>				4
JL	Jacob's ladder	<i>Polemonium reptans</i>		6		
BF	Blue flag iris	<i>Iris versicolor</i>			8	
Ferns						
CF	Cinnamon fern	<i>Osmundo cinnamomes</i>				
LF	Lady fern	<i>Athyrium filix-femina</i>				3
OF	Ostrich fern	<i>Matteuccia struthiopteris</i>				6
Sedges and Grasses						
FS	Fox Sedge	<i>Carex vulpinoidea</i>		14		
			0	26	20	9

Plant 2" pots with 14" spacing with 12" spacing

Plant 3 inch pots with 16" spacing

Plant 6 inch pots with 18-24" spacing

Pot sizes can be substituted with spacing indicated

Project Quantities

Majors
1670 Patterson Ct.

	Materials	Quantity	Cost per unit	Total Cost
	Rain Garden - 119 ft2 + 22 ft2 (slopes)			
	Seedlings	0		
	2" Pots	26		
	3" Pots	20		
	4-6" Pots	9		
	Wood mulch (3")	1 yd		
70%	Sand	3 yds		
30%	Leaf mulch compost	1.3 yds		
	Soil amendment			
	Erosion blanket	100 ft2		
	Excavation			
	Shady grass seed			
6-8" in creek ok	Rock for swales (2-4")	1.25 yard		
	Filter fabric for swales	100 ft2		
	Erosion blanket	200 ft2		