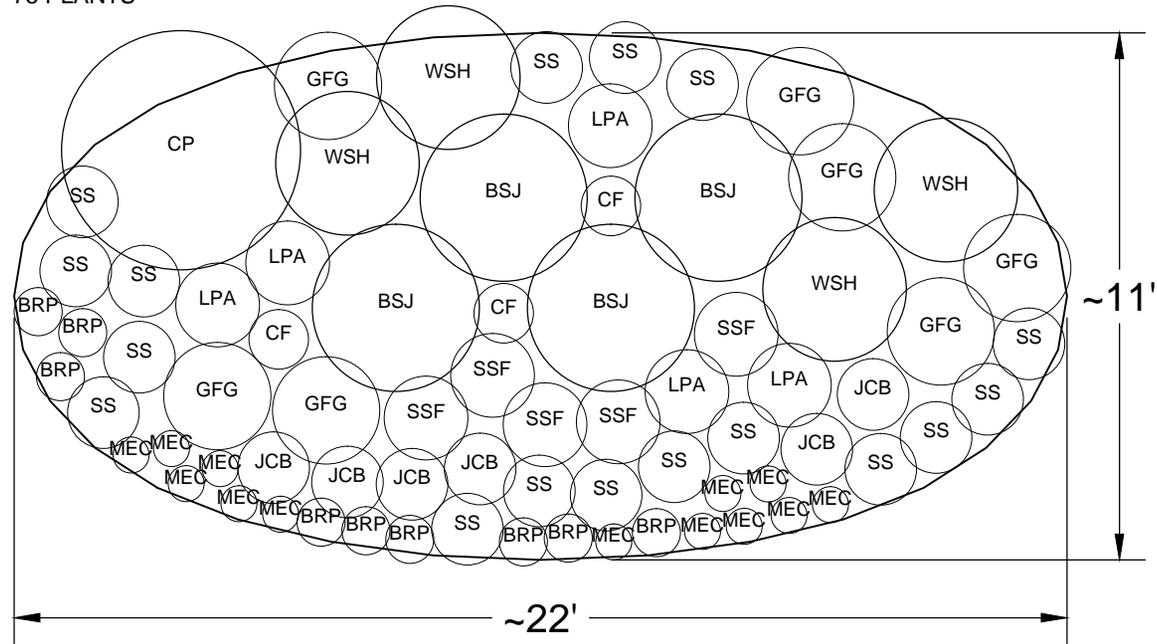


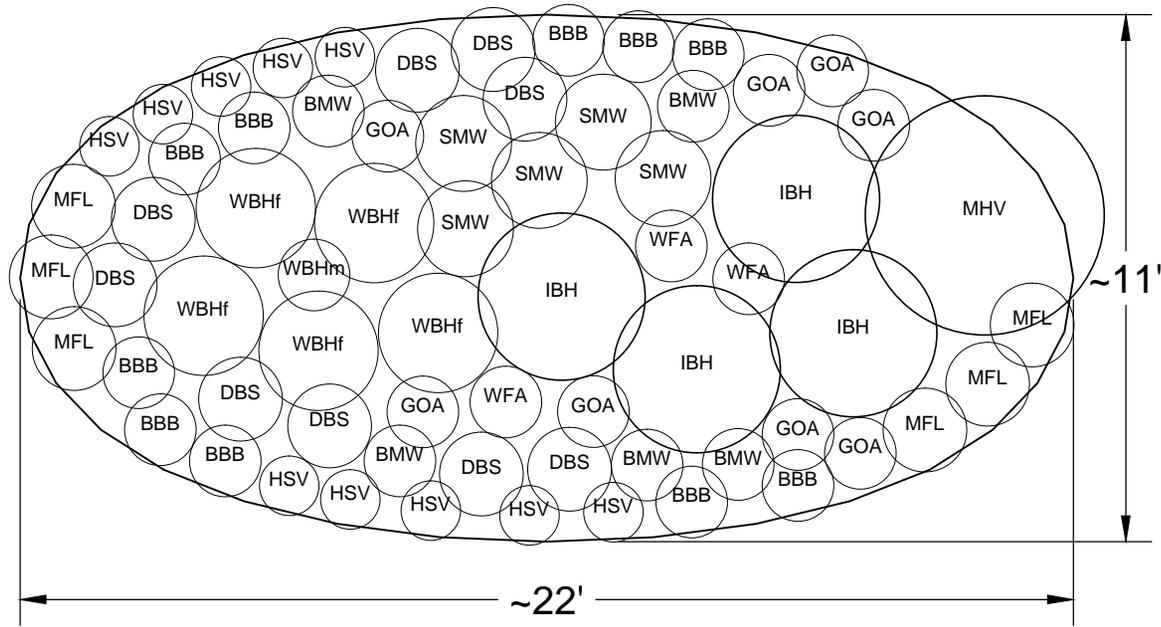
LARGE (200 S.F.) RAIN GARDEN FOR PARTIAL SHADE AND POLLINATORS
75 PLANTS



Plant Matrix

SYMB	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	NOTES	LOCAL SOURCES
Woody Species								
WSH	4	Hydrangea arborescens	Wild Smooth Hydrangea	2 gal	4-5'	pot	Avoid rootbound stock; Straight species preferable; any cultivars with "doubled" flowers may inhibit use by pollinators	
BSJ	4	Hypericum densiflorum	Bushy St. John's Wort	2 gal	3-5'	pot	Avoid rootbound stock	
CP	1	Prunus angustifolia	Chickasaw Plum	2 gal	5-6'	pot	Straight species acceptable; "Guthrie" acceptable cultivar	GroWild
Herbaceous Species								
SS	17	Carex squarrosa	Squarrose Sedge	3 or 4" pot	1.5-2'	pot	Avoid rootbound stock; buy from only qualified vendors to ensure that species is "squarrosa;" sedges are difficult to differentiate and some Carex species are highly invasive and illegal to cultivate	Trailhead
MEC	13	Coreopsis auriculata	Mouse-eared Coreopsis	plug or 3" pot	6-12"	pot	Avoid rootbound stock; Straight species preferable. "Nana" acceptable, or other low-growing coreopsis	
SSF	5	Helianthus angustifolius	Swamp Sunflower	1 gal	2-2.5'	pot	Avoid rootbound stock	Trailhead
CP	3	Lobelia cardinalis	Cardinal Flower	4" pot	1.5'	pot	Avoid rootbound stock	
JCB	6	Monarda didyma 'Jacob Cline'	Jacob Cline Bee Balm	3 or 4" pot	1.5-2'	pot	Avoid rootbound stock; other acceptable cultivars should be red-flowered and mildew-resistant	Common
BRP	9	Phlox stolonifera 'Blue Ridge'	Blue Ridge Phlox	3 or 4" pot	1-2'	pot	Avoid rootbound stock	Sunlight Gardens
GFG	7	Solidago sphaelata 'Golden Fleece'	Golden Fleece Goldenrod	2" cal.	2.5-3'	pot	GroWild	
LBA	5	Symphotrichum patens	Late-Blooming Aster	4" pot	2.5'	pot	Avoid rootbound stock	

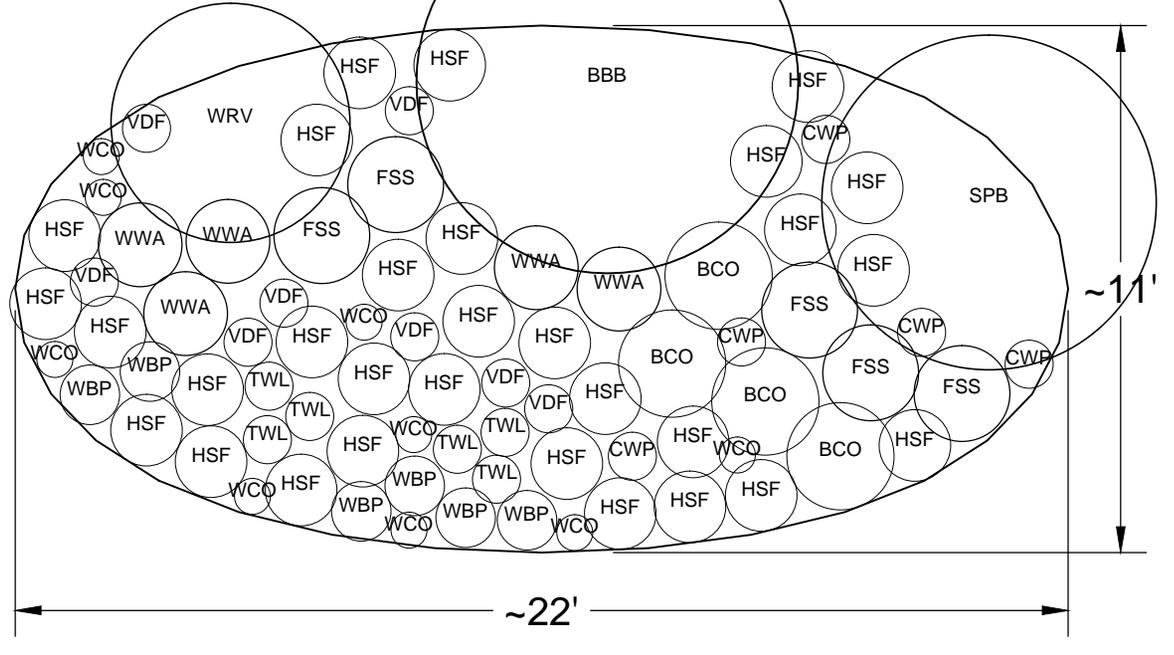
LARGE (200 S.F.) RAIN GARDEN FOR FULL SUN AND POLLINATORS
75 PLANTS



Plant Matrix

SYMB	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	NOTES	SOURC
Woody Species								
MVH	1	Viburnum burkwoodii 'Mohawk'	Mohawk Viburnum	2 gal	5-6'	pot	Avoid rootbound stock; Straight species V. burkwoodii acceptable - 'Mohawk' may be easier to find in trade; avoid any cultivars with "doubled" flowers as this may inhibit use by pollinators	'Mohawk' com
IBH	4	Ilex glabra	Inkberry Holly	2 gal	4-5'	pot	Avoid rootbound stock; dwarf cultivars acceptable; if straight species is used, and a male plant can be found, it will increase berry set	
WBHf	5	Ilex verticillata 'Red Sprite'	Winterberry Holly 'Red Sprite'	1-2 gal	2.5-3.5'	pot	Avoid rootbound stock; this is the Winterberry female - plant near male pollinator; If another cultivar is to be substituted, check that the pollinator used coincides with that female's bloom time. 'Berry Poppins' may be used with 'Mr. Poppins,' or 'Winter Red' may be used with 'Southern Gentleman.'	
WBHm	1	Ilex verticillata 'Jim Dandy'	Jim Dandy Male Winterberry	1-2 gal	2-3'	pot	Avoid rootbound stock; this is the Winterberry male - plant in the middle of females. Can be more closely spaced. See notes on 'Red Sprite' for acceptable substitutions. It is good to mark with permanent tags which plant is the male, and the cultivar name, so that if it dies, it can be easily replaced.	
Herbaceous Species								
SMW	5	Asclepius incarnata	Swamp Milkweed	3-4" pot	2-3'	pot	Avoid rootbound stock; once established, milkweeds do not respond well to transplanting. For Monarch enthusiasts, Common Milkweed (A. syriaca) is the insect's preferred species. However, this species is vigorous and may overtake original bounds.	
BMW	5	Asclepius tuberosa	Butterfly Milkweed	3-4" pot	1.5-2.5'	pot	Avoid rootbound stock; once established, milkweeds do not respond well to transplanting. Butterfly Milkweed cannot tolerate poor drainage and should only be placed on the upper portions of the rain garden.	
WFA	5	Boltonia asteroides	White False Aster	3-4" pot	2-3'	pot	Choose stock with healthy foliage; straight species or 'Snowbank' acceptable. Trimming halfway back in June will help keep this plant from overcrowding the rain garden. May substitute with a light-colored late-blooming aster of 3-4' height.	
MHV	1	Viburnum burkwoodii 'Mohawk'	Mohawk Viburnum	4" pot	1.5'	pot	Avoid rootbound stock	
BBB	10	Monarda bradburiana	Bradbury's Beebalm	3 or 4" pot	1.5-2'	pot	Acceptable cultivars should be red-flowered and mildew-resistant	
HSV	10	Verbena 'Homestead Purple'	Homestead Verbena	3 or 4" pot	1-2'	pot	Choose stock with healthy foliage	
MFL	6	Conoclinium colestinum	Mistflower	3 or 4" pot	1-2'	pot	Choose stock with healthy foliage	
DBS	9	Liatris spicata	Dense Blazing Star	3 or 4" pot	1.5-2.5'	pot	Choose stock with healthy foliage; many acceptable cultivars or alternative Liatris species available	

LARGE (200 S.F.) RAIN GARDEN FOR FULL SHADE AND POLLINATORS
~70 PLANTS



Plant Matrix

SYMB	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	NOTES	LOCAL SOURCES
Woody Species								
BBB	1	<i>Aesculus pavia</i>	Bottlebrush Buckeye	2 gal	8-12'	pot	Avoid rootbound stock; for a shrub that will not reach the large size of a mature <i>A. pavia</i> , substitute <i>Viburnum cassinoides</i> , <i>dentatum</i> , or <i>acerifolium</i> , or <i>Lindera benzoin</i> , <i>Physocarpus opulifolius</i> , or <i>Hydrangea quercifolia</i> .	
WRV	1	<i>Viburnum cassinoides</i>	Witherod Viburnum	2 gal	5-6'	pot	Avoid rootbound stock; choose multi-stem specimen	
SPB	1	<i>Lindera benzoin</i>	Spicebush	2 gal	6-10'	pot	Avoid rootbound stock; choose single-stem specimen	
Herbaceous Species								
BCH	4	<i>Actaea racemosa</i>	Black Cohosh	1 gal	2-2.5'	pot	Avoid rootbound stock	
WCO	--	<i>Aquilegia canadensis</i>	Wild Columbine	-	n/a	seed	This annual is most cost-effectively added by sowing seed; sow entire package of seeds across rain garden, on top of woody debris, and lightly incorporate to no more than 1/4" depth; Use seeds of straight sp. only, as "double" flowers may be inaccessible by insects; plugs may be used if seed not available	
WWA	5	<i>Aster divaricatus</i>	White Woodland Aster	3 or 4" pot	1.5-2.5'	pot	Avoid rootbound stock; other acceptable cultivars should be red-flowered and mildew-resistant	
VDF	8	<i>Commelina virginica</i>	Virginia Dayflower	4" pot	2.5'	pot	Avoid rootbound stock	
HSF	30	Hay-scented Fern	<i>Dennstaedtia punctilobula</i>	plug, any size	1.5-2'	plug	Avoid rootbound stock; 3" pots may be substituted	
TWL	6	<i>Jeffersonia diphylla</i>	Twingleaf	4" pot	18"	pot	Avoid rootbound stock; do not locate on poor-draining soil	
FSS	5	<i>Maianthemum racemosum</i>	False Solomon's Seal	4" pot	2-2.5'	pot	Avoid rootbound stock; Straight species preferable, "Nana" acceptable, or other low-growing coreopsis	
WBP	6	<i>Phlox divaricata</i>	Wild Blue Phlox	1 gal	18"	pot	Avoid rootbound stock; choose plants with healthy vibrant foliage; <i>P. stolonifera</i> or other low-growing shade tolerant phlox may be substituted.	
CWP	5	<i>Ruellia caroliniensis</i>	Carolina Wild Petunia	4" pot	2.5'	pot	Avoid rootbound stock	