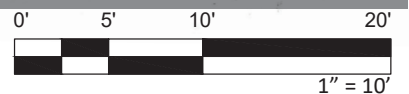


Wild Ones Design Intent - Philadelphia Native Garden
 Donald Pell Gardens | July 8, 2022



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Design Intent

The design intent is to create a resilient garden that responds positively to environmental stress. Plants were chosen for their diverse morphology, cool and warm season characteristics, somewhat equally competitive nature and refined character. The gardens are sculpted to create an immersive experience where visitors explore from seating areas or lawn paths and delight in ever changing perspectives throughout the seasons. Ideally, locally sourced, natural and sustainable materials are used for the built environment like PA flagstone and local gravel.

The garden aids in providing habitat for pollinators, most notably for lepidoptera that in turn will become food for birds. Plants like Vaccinium and Sambucas can be harvested for human consumption while many other plants like Celtis and Aronia provide highly nutritious berries for birds. Dense woody and herbaceous plantings as well as rain gardens will help manage rain water.

Planting specifications

Remove turf grass and fracture soils from 6-24" to less than 200psi. Woody plants should be mulched with a mix of 50% raw wood chips and 50% leaf compost where possible. The herbaceous plants can be installed directly into the prepared soil or any natural mulch at 2" in depth. Gardens should not be mulched annually.

The plant specification for Mix A, Mix B and Mix C was selected for well draining soils with dry to mesic conditions. The Rain Garden Mix was selected for plants that can grow in periods of inundation. A phased approach can be taken by establishing personal priorities. Woody plants should be installed first and herbaceous plants should be planted a maximum of 15" apart in random grouping of 3+ per grouping.

Plant Schedule

Plant Schedule		
Trees		
Plan Code		
CAR	Carpinus caroliniana	American Hornbeam
CO	Celtis occidentalis	Hackberry
CC	Cercis canadensis	American Redbud
CV	Chionanthus virginicus	White Fringetree
CA	Cornus alternifolia	Pagoda Dogwood
DV	Diospyros virginiana	Common Persimmon
HT	Halesia tetraptera	Common Silverbell
IO	Ilex opaca	American Holly
LT	Liriodendron tulipifera	Tulip Tree
OV	Ostrya virginiana	American Hophornbeam
QM	Quercus macrocarpa	Bur Oak
SA	Sassafras albidum	Sassafras
Shrubs		
Plan Code		
AA	Aronia arbutifolia	Red Chokeberry
SC	Sambucus canadensis	American Elderberry
VC	Vaccinium corymbosum	Highbush Blueberry

Mix A (shade)		%
Cool season grass / sedge		
	Carex albicans	20
Warm season grasses		
	Deschampsia cespitosa	10
Early spring		
	Aquilegia canadensis	5
	Iris cristata	5
	Polemonium reptans	10
	Phlox divaricata	10
Late Spring		
	Achillea millifolium	5
	Monarda bradburiana	10
Early Summer		
	Chrysogonum virginianum	5
	Penstemon smallii	5
Late Summer		
	Aster macrophyllus	5
	Chelone lyonii	5
Autumn		
	Solidago flexicaulis	5
		100
		100

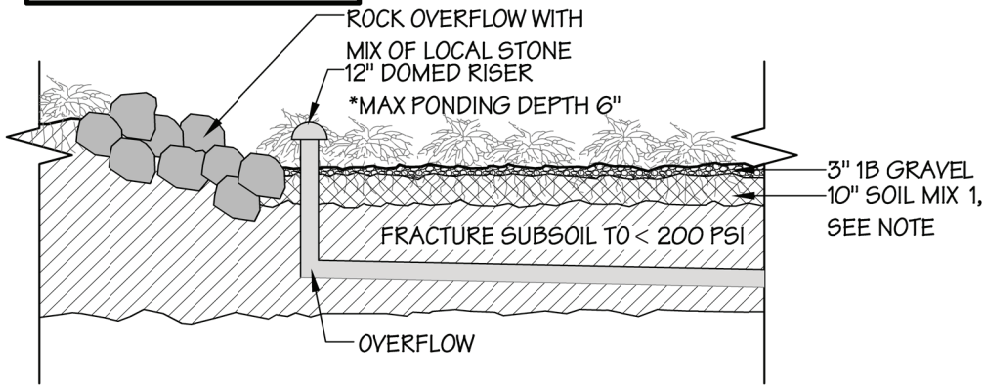
Plant Schedule

Mix B (sun)		%
Cool season grass / sedge		
	Carex molesta	5
Warm season grasses		
	Andropogon gerardii	5
	Schizachyrium scoparium	10
	Sporobolus heterolepis	10
Early spring		
	Baptisia australis var. minor	5
	Waldsteinia fragarioides	5
Late spring	Achillea millefolium	5
	Amsonia hubrichtii	5
	Monarda bradburiana	5
Early Summer		
	Allium cernuum	5
	Asclepias tuberosa	5
	Blephillia ciliata	5
	Echinacea purpurea	10
Late Summer		
	Coreopsis lanceolata	10
	Rudbeckia maxima	5
Autumn		
	Aster laevis	5
		100

Mix C (narrow strip)		%
Cool season grass / sedge		
	Carex flaccosperma	10
Warm season grasses		
	Schizachyrium scoparium	20
	Sporobolus heterolepis	25
Early spring		
	Baptisia australis var. minor	10
Late spring		
	Achillea millefolium	5
Early Summer		
	Allium cernuum	10
	Asclepias tuberosa	5
	Blephillia ciliata	5
	Echinacea purpurea	5
Late Summer		
	Rudbeckia maxima	5
		100

Rain Garden Mix		%
Cool season grass / sedge		
	Carex socialis	25
	Carex vulpinoidea	25
Late spring		
	Amsonia tabernaemontana	5
	Iris fulva	5
	Zizia aurea	5
Early Summer		
	Asclepias incarnata	10
	Conoclinium coelestinum	5
	Monarda didyma	5
Late Summer		
	Chelone lyonii	10
	Helenium autumnale	5
		100

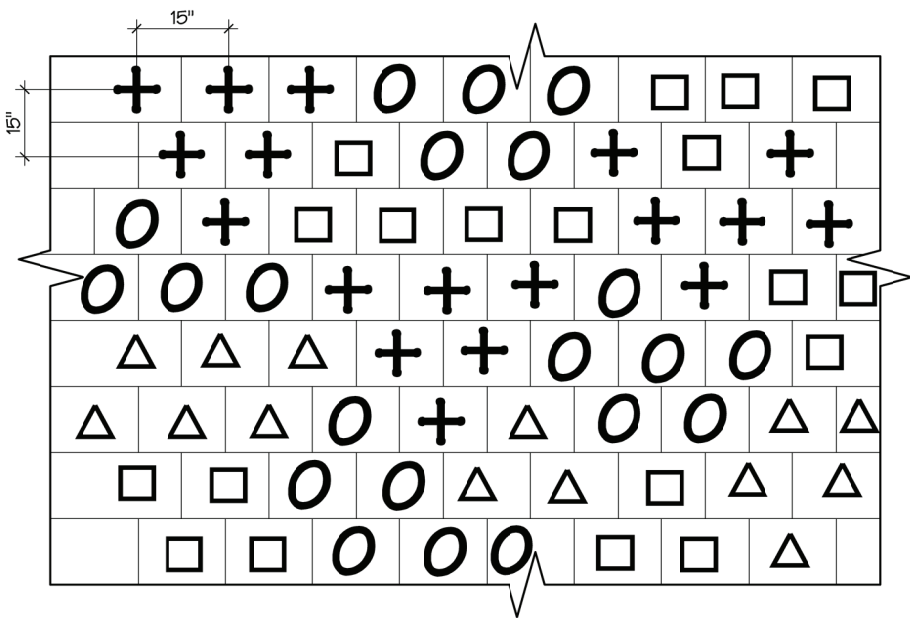
NOTES:
 SOIL MIX 1:
 1% - 5% BIO CHAR
 2% - 10% COMPOST
 85% - 97% NATIVE TOPSOIL



1 RAIN GARDEN DETAIL
 SCALE : 3/16" = 1'-0"
 0' 2' 4' 8' 12'

NOTES:

- MIX IN RANDOM GROUPINGS OF 3-6 PLANTS EACH.
- PLANTS TO BE PLACED AT 15" ON CENTER.



*SYMBOLS REPRESENT INDIVIDUAL SPECIES

2 CONCEPT PLANT LAYOUT
 SCALE : 3/16" = 1'-0"
 0' 2' 4' 8' 12'