

Rain Garden Design

Pinewood Avenue & Hackett Boulevard

Presentation for
Helderberg Neighborhood Association
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Shrubs for use in the rain garden



Viburnum dentatum
Arrowwood
Planted as 2 Gal.

Branching shrub to 10 feet, arching branches forming an overall rounded crown. Can be pruned to keep height below 6 feet.



Ilex verticillata
Winterberry
Planted as 2 Gal.

Winterberry is an erect moderate sized shrub, growing to heights of 5 to 10 feet tall. Can be pruned.

Shrubs for use in the rain garden



Hamamelis virginiana

Witch Hazel

Planted as 3 – 4 ft. high

Reaches 8- 10 feet

The witch hazel has dark green foliage from May through December. Yellow flower blooms between mid October and mid November. February through early March is a good time to see many in bloom. Blooming has finished by mid- to late April



Lindera benzoin (L.) Blume

Northern spicebush

Planted as 2 Gal.

Reaches 6+ feet

Easily grown in average, medium, well-drained soils in full sun to part shade.

Fall color is best in sunny areas.

Wildflowers for use in the rain garden



Lobelia siphilitica
Great Blue Lobelia
Planted as 1 quart

Relative of Cardinal Flower is easy to grow, with self-sowing blue spike blooms prolifically in late summer in moist soils and in full sun.



Eupatorium purpureum
Joe Pye Weed
Planted as 1 quart

At home in wetlands in the wild, spotted Joe-Pye weeds are a good choice in rain gardens and they attract butterflies.



Chelone glabra
White Turtlehead
Planted as 1 quart

Turtlehead is a stiffly erect, clump-forming, leafy-stemmed, perennial which typically grows 2-3' tall white flowers from late summer into autumn. Flowers purportedly resemble turtle heads

Ferns for use in the rain garden



Osmunda cinnamomea

Cinnamon Fern

Planted as 1 quart

Typically grows in clumps to 2-3' tall. A Cinnamon Fern has two types of fronds: the big green ones, and smaller ones which start out bright green and then turn a cinnamon color.



Athyrium angustum 'Lady in Red'

'Lady in Red' northern lady fern

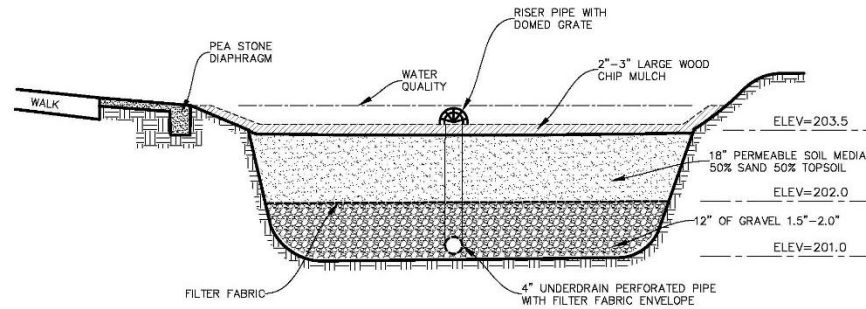
Planted as 1 quart

Strong-growing and dependable, features red stems. New fronds appear in the spring, with new leaves appearing throughout the season for a continuously fresh look.



Rain Garden Plan

RAIN GARDEN PLANT MATERIAL SCHEDULE					
SYM	BOTANICAL NAME	COMMON NAME	SIZE	AMT	COMMENTS
SHRUBS					
V	Ilex verticillata	Winterberry	2 GAL.	7	Container Grown
VD	Viburnum dentatum	Arrowwood Viburnum	1 GAL.	8	Container Grown
_3	Lindera benzoin	Spice bush	1 GAL.	5	Container Grown
11V	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	2'-3' I.T.	3	D & B
HERBACEOUS PLANTS					
GC	Cerastium cinnamomea	Cinnamon Fern	1 GAL.	4	Container Grown
GC	Cheilanthes glabra	White Turtlehead	1 GAL.	4	Container Grown
AA	Athyrium angustum 'Lady in Red'	Lady in Red' northern lady fern	1 GAL.	5	Container Grown
EP	Eupatorium purpureum	Joe Pye Weed	1 GAL.	8	Container Grown
LS	Cerastium cinnamomea	Cinnamon Fern	1 GAL.	8	Container Grown



RAIN GARDEN SPECIFICATIONS

Soil – The composition of the soil media should consist of 50%–70% sand (less than 5% clay content), 50%–30% topsoil with an average of 5% organic material, such as compost or peat, free of stones, roots and woody debris and animal waste. The depth of the amended soil should be approximately 4 inches below the bottom of the deepest root ball.

Construction – Rain gardens should initially be dug out to a 24" depth, then backfilled with a 6-12 inch layer of clean washed gravel (approximately 1.5-2.0 inch diameter rock), and filled back to the rain garden bed depth with the design soil mix. Rain garden should only be installed when surrounding landscapes are stabilized and not subject to erosion.

Plants shall be container-grown with a well established root system, planted on one-foot centers. Rain gardens shall not be seeded as this takes too long to establish the desired root system, and seed may be floated out with rain events. The same limitation is true for plugs. Shredded hardwood mulch should be applied up to 2" to help keep soil in place.

RAIN GARDEN DETAIL
NOT TO SCALE

Rain Garden Plan