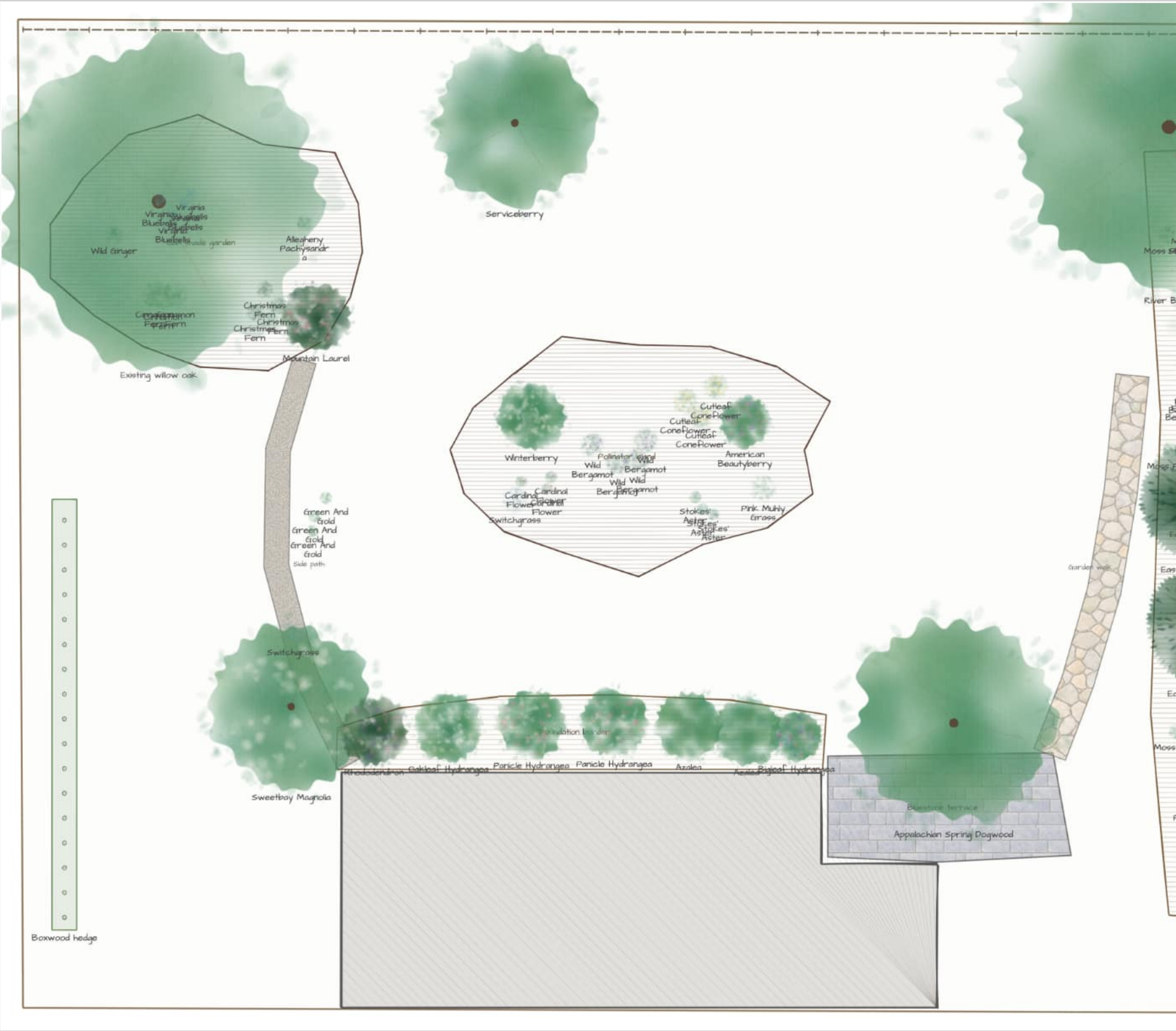


Willow Oak — Backyard Master Plan

Exported 7/11/2026 · Lot: 150' x 120' (18,000 sq ft) · Soil: Loam



Willow Oak — Backyard Master Plan — Plant List & Details

New plantings

Plant	Scientific Name	Category	Qty	Size (WxH)	Light	Water	Bloom	Traits
Allegheny Pachysandra	Pachysandra procumbens	Groundcover	1	2'x0.75'	partial shade, full shade	medium	Mar, Apr	Native, Deer Resistant
American Beautyberry	Callicarpa americana	Shrub	1	6'x6'	full sun, partial sun, partial shade	medium	Jun, Jul	Native, Deer Resistant, Drought Tolerant, Pollinator
Appalachian Spring Dogwood	Cornus florida "Appalachian Spring"	Tree	1	25'x25'	full sun, partial sun, partial shade	medium	Apr, May	Native, Pollinator
Azalea	Rhododendron periclymenoides	Shrub	2	8'x8'	partial sun, partial shade	medium	Apr, May	Native, Pollinator
Bigleaf Hydrangea	Hydrangea macrophylla	Shrub	1	6'x5'	partial sun, partial shade	high	Jun, Jul, Aug	Pollinator
Boxwood	Buxus sempervirens	Shrub	17	6'x6'	full sun, partial sun, partial shade	medium	—	Deer Resistant, Evergreen
Cardinal Flower	Lobelia cardinalis	Herbaceous	3	1.5'x3'	full sun, partial sun, partial shade	high	Jul, Aug, Sep	Native, Deer Resistant, Pollinator
Christmas Fern	Polystichum acrostichoides	Fern	3	2'x2'	partial shade, full shade	medium	—	Native, Deer Resistant, Drought Tolerant, Evergreen
Cinnamon Fern	Osmundastrum cinnamomeum	Fern	3	3'x4'	partial sun, partial shade, full shade	high	—	Native, Deer Resistant
Cutleaf Coneflower	Rudbeckia laciniata	Herbaceous	3	3'x6'	full sun, partial sun	medium	Jul, Aug, Sep	Native, Deer Resistant, Pollinator
Eastern Red Cedar	Juniperus virginiana	Tree	2	15'x40'	full sun, partial sun	low	—	Native, Deer Resistant, Drought Tolerant, Evergreen
Foxglove Beardtongue	Penstemon digitalis	Herbaceous	3	2'x4'	full sun, partial sun	low	May, Jun	Native, Deer Resistant, Drought Tolerant, Pollinator
Green And Gold	Chrysogonum virginianum	Groundcover	3	1.5'x0.5'	partial sun, partial shade	medium	Apr, May, Jun	Native, Deer Resistant, Pollinator, Evergreen
Maximilian Sunflower	Helianthus maximiliani	Herbaceous	3	3'x8'	full sun	low	Aug, Sep, Oct	Native, Drought Tolerant, Pollinator
Moss Phlox	Phlox subulata	Groundcover	3	2'x0.5'	full sun, partial sun	low	Mar, Apr, May	Native, Deer Resistant, Drought Tolerant, Pollinator, Evergreen
Mountain Laurel	Kalmia latifolia	Shrub	1	8'x8'	partial sun, partial shade	medium	May, Jun	Native, Deer Resistant, Pollinator, Evergreen
Oakleaf Hydrangea	Hydrangea quercifolia	Shrub	1	8'x8'	partial sun, partial shade	medium	Jun, Jul	Native, Pollinator
Panicle Hydrangea	Hydrangea paniculata	Shrub	2	8'x10'	full sun, partial sun	medium	Jul, Aug,	Pollinator

Plant	Scientific Name	Category	Qty	Size (WxH)	Light	Water	Bloom	Traits
Sep								
Pink Muhly Grass	Muhlenbergia capillaris	Grass	3	3'x4'	full sun	low	Sep, Oct	Native, Deer Resistant, Drought Tolerant
Rhododendron	Rhododendron catawbiense	Shrub	1	8'x8'	partial sun, partial shade	medium	May, Jun	Native, Pollinator, Evergreen
River Birch	Betula nigra	Tree	1	40'x50'	full sun, partial sun	medium	Apr	Native, Deer Resistant
Serviceberry	Amelanchier canadensis	Tree	1	20'x25'	full sun, partial sun, partial shade	medium	Mar, Apr	Native, Pollinator
Stokes' Aster	Stokesia laevis	Herbaceous	3	1.5'x1.5'	full sun, partial sun	medium	Jun, Jul, Aug	Native, Deer Resistant, Drought Tolerant, Pollinator
Sweetbay Magnolia	Magnolia virginiana	Tree	1	20'x30'	full sun, partial sun, partial shade	medium	May, Jun, Jul	Native, Deer Resistant, Pollinator
Switchgrass	Panicum virgatum	Grass	2	3'x5'	full sun	low	Jul, Aug	Native, Deer Resistant, Drought Tolerant
Virginia Bluebells	Mertensia virginica	Herbaceous	4	1.5'x2'	partial sun, partial shade	medium	Mar, Apr, May	Native, Deer Resistant, Pollinator
Wild Bergamot	Monarda fistulosa	Herbaceous	4	3'x4'	full sun, partial sun	low	Jun, Jul, Aug	Native, Deer Resistant, Drought Tolerant, Pollinator
Wild Ginger	Asarum canadense	Groundcover	1	2'x0.5'	partial shade, full shade	medium	Apr, May	Native, Deer Resistant
Winterberry	Ilex verticillata	Shrub	1	8'x8'	full sun, partial sun	high	May, Jun	Native, Deer Resistant, Pollinator

Existing on site

Plant	Scientific Name	Category	Qty	Size (WxH)	Light	Water	Bloom	Traits
Willow Oak	Quercus phellos	Tree	1	40'x60'	full sun, partial sun	medium	—	Native

Materials estimate

To purchase

Plant	Qty	Unit price	Line total
Allegheny Pachysandra	1	\$9.00	\$9.00
American Beautyberry	1	\$46.00	\$46.00
Appalachian Spring Dogwood	1	\$189.00	\$189.00
Total	75	—	\$2601.00

Plant	Qty	Unit price	Line total
Azalea	2	\$46.00	\$92.00
Bigleaf Hydrangea	1	\$46.00	\$46.00
Boxwood	17	\$46.00	\$782.00
Cardinal Flower	3	—	—
Christmas Fern	3	\$13.00	\$39.00
Cinnamon Fern	3	\$13.00	\$39.00
Cutleaf Coneflower	3	—	—
Eastern Red Cedar	2	\$189.00	\$378.00
Foxglove Beardtongue	3	—	—
Green And Gold	3	\$9.00	\$27.00
Maximilian Sunflower	3	—	—
Moss Phlox	3	\$9.00	\$27.00
Mountain Laurel	1	\$46.00	\$46.00
Oakleaf Hydrangea	1	\$46.00	\$46.00
Panicle Hydrangea	2	\$46.00	\$92.00
Pink Muhly Grass	3	\$15.00	\$45.00
Rhododendron	1	\$46.00	\$46.00
River Birch	1	\$189.00	\$189.00
Serviceberry	1	\$189.00	\$189.00
Stokes' Aster	3	—	—
Sweetbay Magnolia	1	\$189.00	\$189.00
Switchgrass	2	\$15.00	\$30.00
Virginia Bluebells	4	—	—
Total	75	—	\$2601.00

Plant	Qty	Unit price	Line total
Wild Bergamot	4	—	—
Wild Ginger	1	\$9.00	\$9.00
Winterberry	1	\$46.00	\$46.00
Total	75	—	\$2601.00

Existing (reference only)

Plant	Qty	Notes
Willow Oak	1	On site
Total	1	—

Plant beds

Bed	Area	Perimeter	Surface	Soil	Water	Drainage	Mulch (est.)	Existing
Foundation border	476 sq ft	130'	Brown mulch	Loam	Moderate	Good	~4.4 cu yd @ 3"	No
Pollinator island	942 sq ft	119'	Bark nuggets	Loam	Dry	Excellent	~8.7 cu yd @ 3"	No
Oak shade garden	870 sq ft	109'	Bark nuggets	Peaty	Moist	Moderate	~8.1 cu yd @ 3"	No
East border	1,041 sq ft	208'	Brown mulch	Loam	Moderate	Good	~9.6 cu yd @ 3"	No
Total	3,329 sq ft	565'	—	—	—	—	~30.8 cu yd @ 3"	—

Soil amendments

Bed	Lot soil	Bed soil	Area	How to amend
Oak shade garden	Loam	Peaty	870 sq ft	Work in 3–4 in. of organic compost or composted bark to raise the organic fraction.

Hedges

Label	Species	Length	Width	Spacing	Plants	Existing
Boxwood hedge	Boxwood	52'	3'	3'	17	No

Structures, paths & patios

Kind	Name	Style / type	Area	Length	Width	Existing
Patio	Bluestone terrace	Bluestone (texture)	359 sq ft	—	—	No
Path	Garden walk	flagstone	189 sq ft	47'	4'	No
Path	Side path	pea gravel	153 sq ft	51'	3'	No
Fence	Rear fence	Post & rail, 4' high	—	149'	—	No

Maintenance calendar

Month	Tasks
Jan	Prune / shape: American Beautyberry Prune / shape: Appalachian Spring Dogwood Prune / shape: Azalea Prune / shape: Bigleaf Hydrangea Prune / shape: Oakleaf Hydrangea Prune / shape: Panicle Hydrangea Prune / shape: River Birch Prune / shape: Serviceberry Prune / shape: Sweetbay Magnolia Prune / shape: Willow Oak Prune / shape: Winterberry
Feb	Prune / shape: American Beautyberry Prune / shape: Appalachian Spring Dogwood Prune / shape: Azalea Prune / shape: Bigleaf Hydrangea Prune / shape: Boxwood Prune / shape: Eastern Red Cedar Prune / shape: Mountain Laurel Prune / shape: Oakleaf Hydrangea Prune / shape: Panicle Hydrangea Prune / shape: Rhododendron Prune / shape: River Birch Prune / shape: Serviceberry Prune / shape: Sweetbay Magnolia Prune / shape: Willow Oak Prune / shape: Winterberry
Mar	Prune / shape: Allegheny Pachysandra Prune / shape: Boxwood Prune / shape: Cardinal Flower Prune / shape: Christmas Fern Prune / shape: Cinnamon Fern Prune / shape: Cutleaf Coneflower Prune / shape: Eastern Red Cedar Prune / shape: Foxglove Beardtongue Prune / shape: Green And Gold

Month	Tasks
	Prune / shape: Maximilian Sunflower Prune / shape: Moss Phlox Prune / shape: Mountain Laurel Prune / shape: Pink Muhly Grass Prune / shape: Rhododendron Prune / shape: Stokes' Aster Prune / shape: Switchgrass Prune / shape: Virginia Bluebells Prune / shape: Wild Bergamot Prune / shape: Wild Ginger
Apr	Fertilize: Allegheny Pachysandra Fertilize: American Beautyberry Fertilize: Appalachian Spring Dogwood Fertilize: Azalea Fertilize: Bigleaf Hydrangea Fertilize: Boxwood Fertilize: Cardinal Flower Fertilize: Christmas Fern Fertilize: Cinnamon Fern Fertilize: Cutleaf Coneflower Fertilize: Eastern Red Cedar Fertilize: Foxglove Beardtongue Fertilize: Green And Gold Fertilize: Maximilian Sunflower Fertilize: Moss Phlox Fertilize: Mountain Laurel Fertilize: Oakleaf Hydrangea Fertilize: Panicle Hydrangea Fertilize: Pink Muhly Grass Fertilize: Rhododendron Fertilize: River Birch Fertilize: Serviceberry Fertilize: Stokes' Aster Fertilize: Sweetbay Magnolia Fertilize: Switchgrass Fertilize: Virginia Bluebells Fertilize: Wild Bergamot Fertilize: Wild Ginger Fertilize: Willow Oak Fertilize: Winterberry Prune / shape: Allegheny Pachysandra Prune / shape: Cardinal Flower Prune / shape: Christmas Fern Prune / shape: Cinnamon Fern Prune / shape: Cutleaf Coneflower Prune / shape: Foxglove Beardtongue Prune / shape: Green And Gold Prune / shape: Maximilian Sunflower Prune / shape: Moss Phlox Prune / shape: Pink Muhly Grass Prune / shape: Stokes' Aster Prune / shape: Switchgrass Prune / shape: Virginia Bluebells Prune / shape: Wild Bergamot

Month	Tasks
	Prune / shape: Wild Ginger
May	Fertilize: Allegheny Pachysandra Fertilize: American Beautyberry Fertilize: Appalachian Spring Dogwood Fertilize: Azalea Fertilize: Bigleaf Hydrangea Fertilize: Boxwood Fertilize: Cardinal Flower Fertilize: Christmas Fern Fertilize: Cinnamon Fern Fertilize: Cutleaf Coneflower Fertilize: Eastern Red Cedar Fertilize: Foxglove Beardtongue Fertilize: Green And Gold Fertilize: Maximilian Sunflower Fertilize: Moss Phlox Fertilize: Mountain Laurel Fertilize: Oakleaf Hydrangea Fertilize: Panicle Hydrangea Fertilize: Pink Muhly Grass Fertilize: Rhododendron Fertilize: River Birch Fertilize: Serviceberry Fertilize: Stokes' Aster Fertilize: Sweetbay Magnolia Fertilize: Switchgrass Fertilize: Virginia Bluebells Fertilize: Wild Bergamot Fertilize: Wild Ginger Fertilize: Willow Oak Fertilize: Winterberry Water (high need): Bigleaf Hydrangea Water (high need): Cardinal Flower Water (high need): Cinnamon Fern Water (high need): Winterberry Water (medium need): Allegheny Pachysandra Water (medium need): American Beautyberry Water (medium need): Appalachian Spring Dogwood Water (medium need): Azalea Water (medium need): Boxwood Water (medium need): Christmas Fern Water (medium need): Cutleaf Coneflower Water (medium need): Green And Gold Water (medium need): Mountain Laurel Water (medium need): Oakleaf Hydrangea Water (medium need): Panicle Hydrangea Water (medium need): Rhododendron Water (medium need): River Birch Water (medium need): Serviceberry Water (medium need): Stokes' Aster Water (medium need): Sweetbay Magnolia Water (medium need): Virginia Bluebells Water (medium need): Wild Ginger Water (medium need): Willow Oak

Month	Tasks
Jun	Fertilize: Allegheny Pachysandra Fertilize: American Beautyberry Fertilize: Azalea Fertilize: Bigleaf Hydrangea Fertilize: Boxwood Fertilize: Cardinal Flower Fertilize: Christmas Fern Fertilize: Cinnamon Fern Fertilize: Cutleaf Coneflower Fertilize: Foxglove Beardtongue Fertilize: Green And Gold Fertilize: Maximilian Sunflower Fertilize: Moss Phlox Fertilize: Mountain Laurel Fertilize: Oakleaf Hydrangea Fertilize: Panicle Hydrangea Fertilize: Rhododendron Fertilize: Stokes' Aster Fertilize: Virginia Bluebells Fertilize: Wild Bergamot Fertilize: Wild Ginger Fertilize: Winterberry Water (high need): Bigleaf Hydrangea Water (high need): Cardinal Flower Water (high need): Cinnamon Fern Water (high need): Winterberry Water (low need): Eastern Red Cedar Water (low need): Foxglove Beardtongue Water (low need): Maximilian Sunflower Water (low need): Moss Phlox Water (low need): Pink Muhly Grass Water (low need): Switchgrass Water (low need): Wild Bergamot Water (medium need): Allegheny Pachysandra Water (medium need): American Beautyberry Water (medium need): Appalachian Spring Dogwood Water (medium need): Azalea Water (medium need): Boxwood Water (medium need): Christmas Fern Water (medium need): Cutleaf Coneflower Water (medium need): Green And Gold Water (medium need): Mountain Laurel Water (medium need): Oakleaf Hydrangea Water (medium need): Panicle Hydrangea Water (medium need): Rhododendron Water (medium need): River Birch Water (medium need): Serviceberry Water (medium need): Stokes' Aster Water (medium need): Sweetbay Magnolia Water (medium need): Virginia Bluebells Water (medium need): Wild Ginger Water (medium need): Willow Oak
Jul	Water (high need): Bigleaf Hydrangea Water (high need): Cardinal Flower

Month	Tasks
	Water (high need): Cinnamon Fern Water (high need): Winterberry Water (low need): Eastern Red Cedar Water (low need): Foxglove Beardtongue Water (low need): Maximilian Sunflower Water (low need): Moss Phlox Water (low need): Pink Muhly Grass Water (low need): Switchgrass Water (low need): Wild Bergamot Water (medium need): Allegheny Pachysandra Water (medium need): American Beautyberry Water (medium need): Appalachian Spring Dogwood Water (medium need): Azalea Water (medium need): Boxwood Water (medium need): Christmas Fern Water (medium need): Cutleaf Coneflower Water (medium need): Green And Gold Water (medium need): Mountain Laurel Water (medium need): Oakleaf Hydrangea Water (medium need): Panicle Hydrangea Water (medium need): Rhododendron Water (medium need): River Birch Water (medium need): Serviceberry Water (medium need): Stokes' Aster Water (medium need): Sweetbay Magnolia Water (medium need): Virginia Bluebells Water (medium need): Wild Ginger Water (medium need): Willow Oak
Aug	Water (high need): Bigleaf Hydrangea Water (high need): Cardinal Flower Water (high need): Cinnamon Fern Water (high need): Winterberry Water (medium need): Allegheny Pachysandra Water (medium need): American Beautyberry Water (medium need): Appalachian Spring Dogwood Water (medium need): Azalea Water (medium need): Boxwood Water (medium need): Christmas Fern Water (medium need): Cutleaf Coneflower Water (medium need): Green And Gold Water (medium need): Mountain Laurel Water (medium need): Oakleaf Hydrangea Water (medium need): Panicle Hydrangea Water (medium need): Rhododendron Water (medium need): River Birch Water (medium need): Serviceberry Water (medium need): Stokes' Aster Water (medium need): Sweetbay Magnolia Water (medium need): Virginia Bluebells Water (medium need): Wild Ginger Water (medium need): Willow Oak
Sep	Fertilize: Pink Muhly Grass Fertilize: Switchgrass

Month	Tasks
	Prune / shape: Allegheny Pachysandra Prune / shape: Cardinal Flower Prune / shape: Christmas Fern Prune / shape: Cinnamon Fern Prune / shape: Cutleaf Coneflower Prune / shape: Foxglove Beardtongue Prune / shape: Green And Gold Prune / shape: Maximilian Sunflower Prune / shape: Moss Phlox Prune / shape: Stokes' Aster Prune / shape: Virginia Bluebells Prune / shape: Wild Bergamot Prune / shape: Wild Ginger Water (medium need): Allegheny Pachysandra Water (medium need): American Beautyberry Water (medium need): Appalachian Spring Dogwood Water (medium need): Azalea Water (medium need): Boxwood Water (medium need): Christmas Fern Water (medium need): Cutleaf Coneflower Water (medium need): Green And Gold Water (medium need): Mountain Laurel Water (medium need): Oakleaf Hydrangea Water (medium need): Panicle Hydrangea Water (medium need): Rhododendron Water (medium need): River Birch Water (medium need): Serviceberry Water (medium need): Stokes' Aster Water (medium need): Sweetbay Magnolia Water (medium need): Virginia Bluebells Water (medium need): Wild Ginger Water (medium need): Willow Oak
Oct	—
Nov	Prune / shape: American Beautyberry Prune / shape: Appalachian Spring Dogwood Prune / shape: Azalea Prune / shape: Bigleaf Hydrangea Prune / shape: Oakleaf Hydrangea Prune / shape: Panicle Hydrangea Prune / shape: River Birch Prune / shape: Serviceberry Prune / shape: Sweetbay Magnolia Prune / shape: Willow Oak Prune / shape: Winterberry
Dec	Prune / shape: American Beautyberry Prune / shape: Appalachian Spring Dogwood Prune / shape: Azalea Prune / shape: Bigleaf Hydrangea Prune / shape: Oakleaf Hydrangea Prune / shape: Panicle Hydrangea Prune / shape: River Birch Prune / shape: Serviceberry

Month	Tasks
	Prune / shape: Sweetbay Magnolia
	Prune / shape: Willow Oak
	Prune / shape: Winterberry

Summary

Plants (individual): 58 new, 1 existing on site
Hedge plants: 17 new, 0 existing on site
Unique species (all): 30
Native species: 27 / 30
Pollinator-friendly: 20 / 30

Total bed area: 3,329 sq ft
Est. mulch needed: ~30.8 cu yd @ 3" depth
Total hardscape area: 359 sq ft
Total path area: ~341 sq ft
Total hedge length: 52'