

Forest Estates Stormwater Controls

November 14th, 2011

Dear neighbor,

The Department of Environmental Protection (DEP) has proposed stormwater controls such as rain gardens and bioretention areas in your neighborhood. These facilities will collect and filter rain water runoff in an effort to improve water quality and stream conditions in your local Wheaton Branch tributary of Sligo Creek, as well as the Chesapeake Bay.

Since our March public meeting and April field walk, the County is planning to install 24 of the original 40 facilities. **As the design continues to be refined, the number of proposed facilities may continue to change. One or more of these facilities may be planned in front of or adjacent to your property, in the County right-of-way (see attached maps).**

The rain gardens and bioretention areas are currently designed to be mulched and planted with native plants (see attached conceptual planting plan).

DEP will maintain these facilities at least once a year and will be weeding and replacing mulch and plants along with other necessary maintenance. DEP requests that homeowners help keep trash out of the facility if possible.

Since Forest Estates is one of the first neighborhoods to be updated with these types of stormwater facilities, the County is still working out an appropriate maintenance frequency. You and your neighbors can help by providing feedback to us over time. Please contact us if you would like to learn more about the landscapes of these facilities.

DEP plans to begin construction of these facilities mid to late November. DEP is coordinating with the Department of Transportation's (DOT) road and sidewalk renewal work, so that the facilities will be installed along with new sidewalks and roads. DOT's schedule may be slightly ahead of or behind the stormwater controls, but we are in close communication so we are able to work around each other.

Please do not hesitate to contact us with questions or for updates to the design:

Jennifer St. John, Watershed Planner
240-777-7740

jennifer.st.john@montgomerycountymd.gov

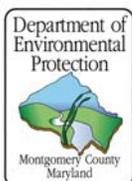
Or visit our Forest Estates Project Website:

<http://www.montgomerycountymd.gov/dectmpl.asp?url=/content/dep/water/forestestates.asp>

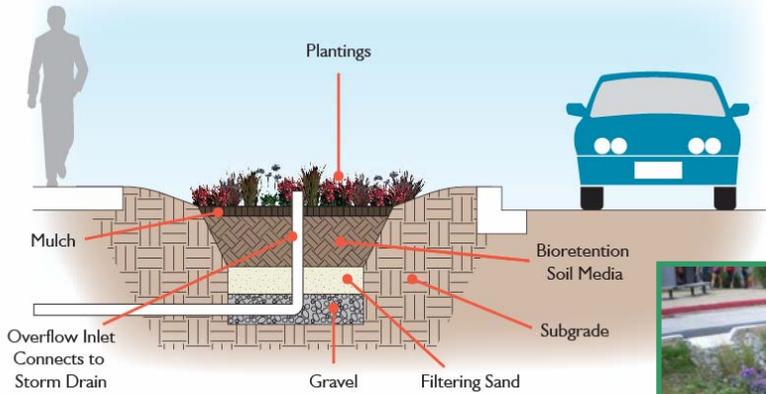
Sincerely,



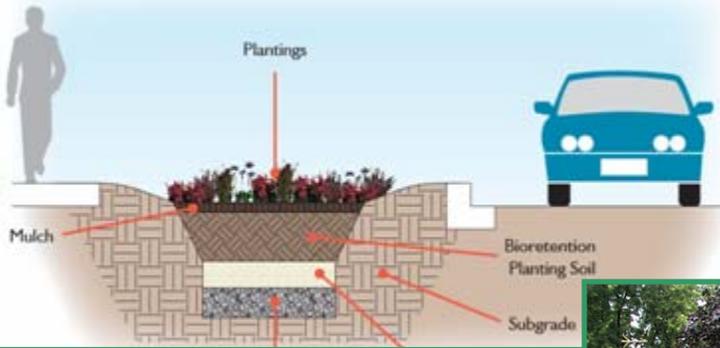
Jennifer St. John, Watershed Planner
Watershed Restoration Program



Examples of Low Impact Design (LID)



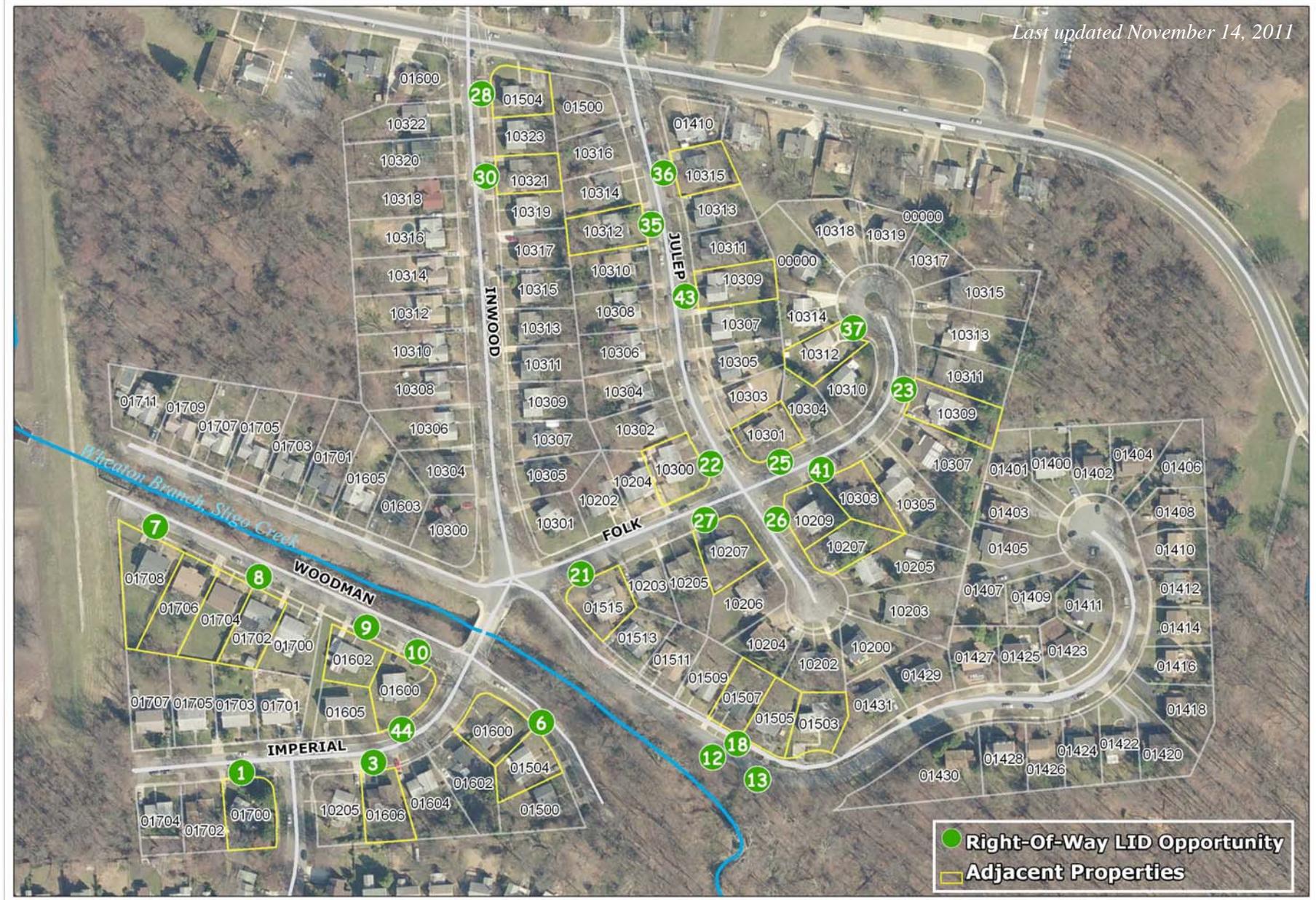
Bioretention



Rain Garden



Forest Estates Proposed Low Impact Design (LID) Stormwater Controls



For more information, contact Jennifer St. John at 240-777-7740

Email: jennifer.st.john@montgomerycountymd.gov

Or visit the Forest Estates Project Website:

<http://www.montgomerycountymd.gov/dectmpl.asp?url=/content/dep/water/forestestates.asp>

Proposed Right-of-Way LID Opportunities

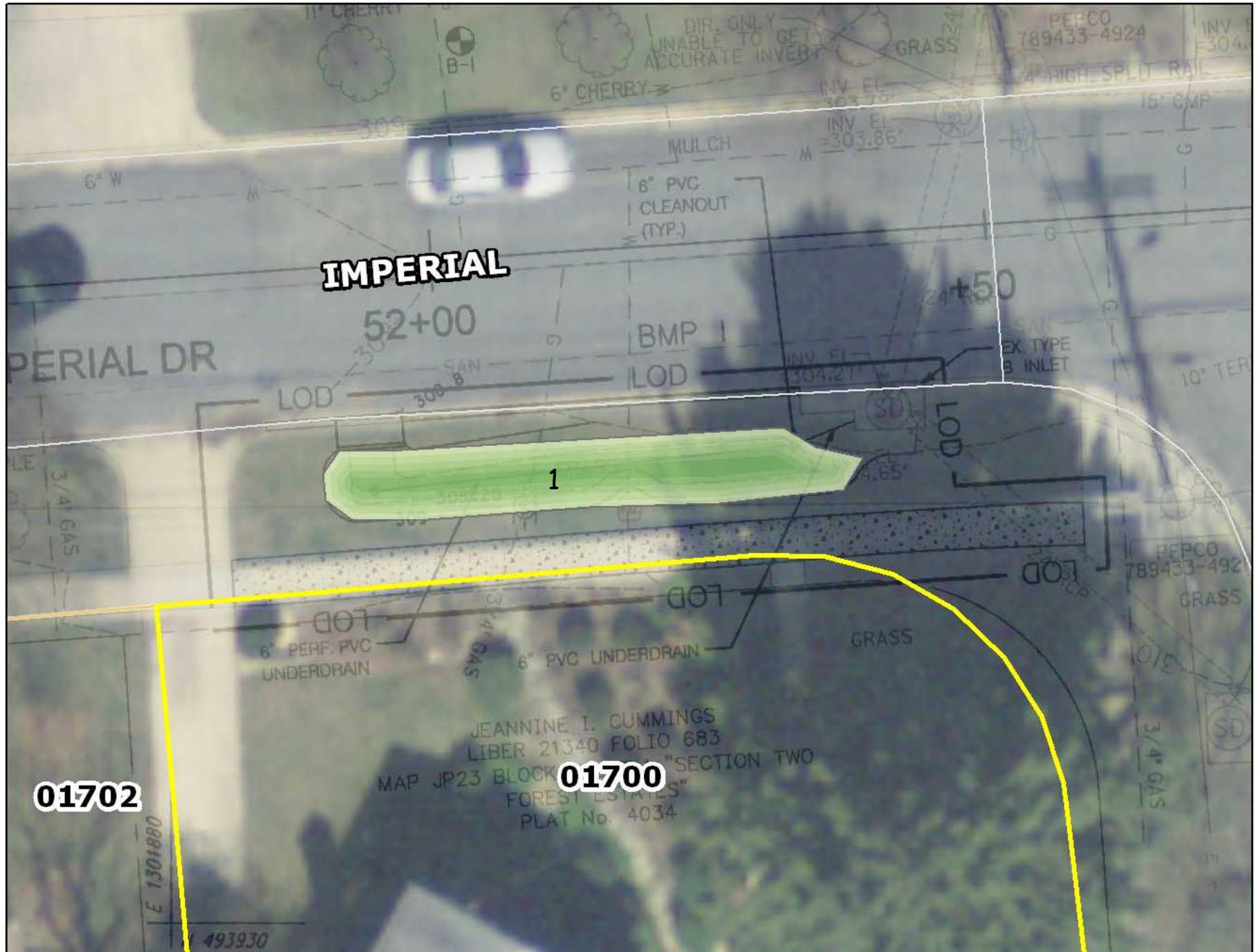
ID	Proposed LID		ID	Proposed LID
1	Bioretention		23	Rain Garden
3	Rain Garden		25	Rain Garden
6	Bioswale & Rain Garden		26	Rain Garden
7	Bioretention		27	Rain Garden
8	Bioretention		28	Rain Garden
9	Bioretention		30	Rain Garden
10	Bioretention		35	Rain Garden
12	Bioretention		36	Rain Garden
13	Bioswale		37	Rain Garden
18	Bioretention		41	Rain Garden
21	Bioretention		43	Rain Garden
22	Rain Garden		44	Rain Garden

1700 Imperial Dr - Bioretention

Approximate footprint shown below.
Designs are subject to change.

Facility # 1

Last updated November 1, 2011

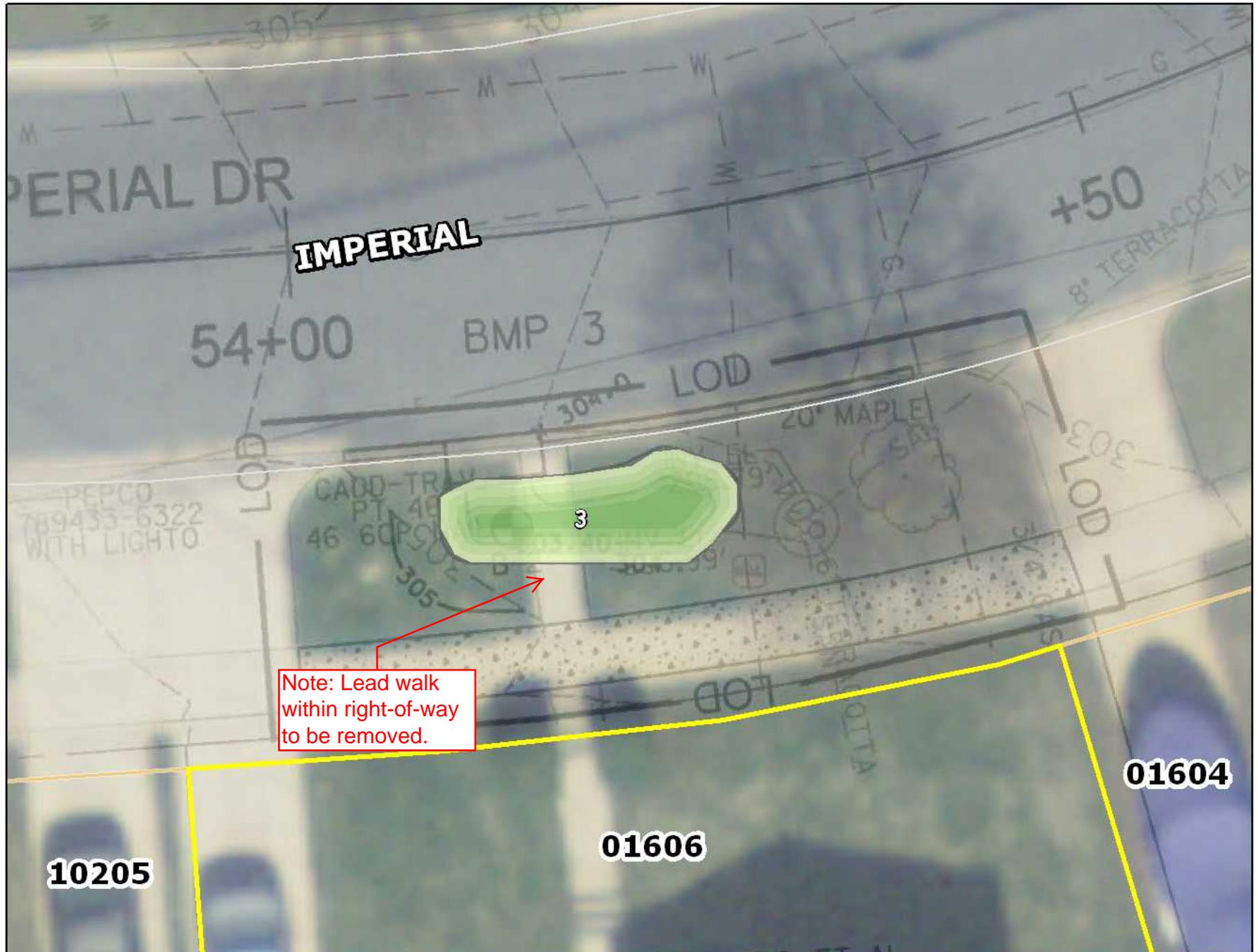


1606 Imperial Dr - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 3

Last updated November 1, 2011



1706 & 1708 Woodman Ave - Bioretention

Approximate footprint shown below.
Designs are subject to change.

Facility # 7

Last updated November 14, 2011



1702 & 1704 Woodman Ave - Bioretention

Approximate footprint shown below.
Designs are subject to change.

Facility # 8

Last updated November 14, 2011



1600 Woodman Ave - Bioretention (10) & Rain Garden (44)

Approximate footprint shown below.
Designs are subject to change. Last updated November 1, 2011

Facility # 10



1505 & 1507 Woodman Ave - Bioretention

Approximate footprint shown below.
Designs are subject to change.

Facilities # 12 & 18

Last updated November 14, 2011

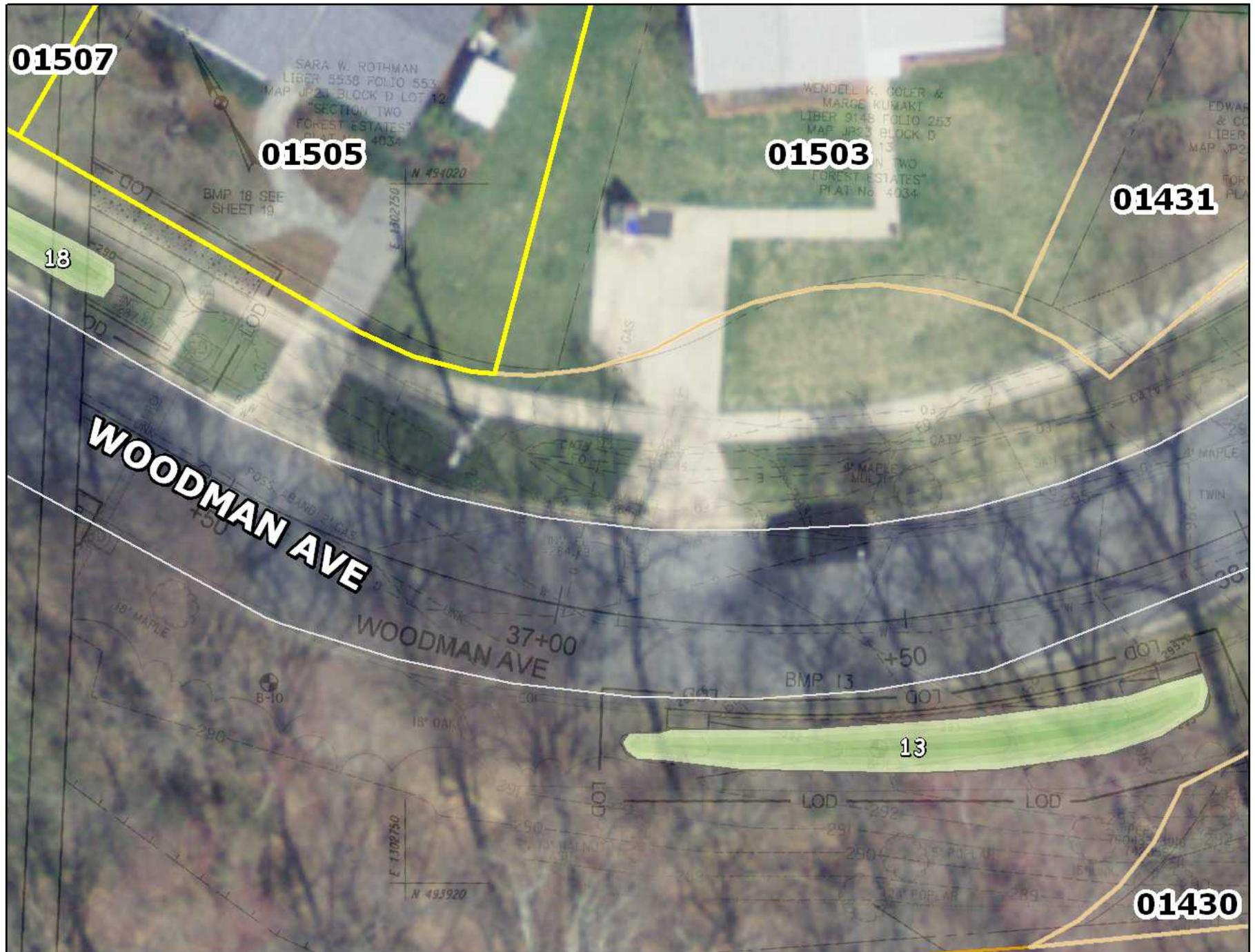


1503 Woodman Ave (across street) - Bioswale

Approximate footprint shown below.
Designs are subject to change.

Facility # 13

Last updated November 14, 2011

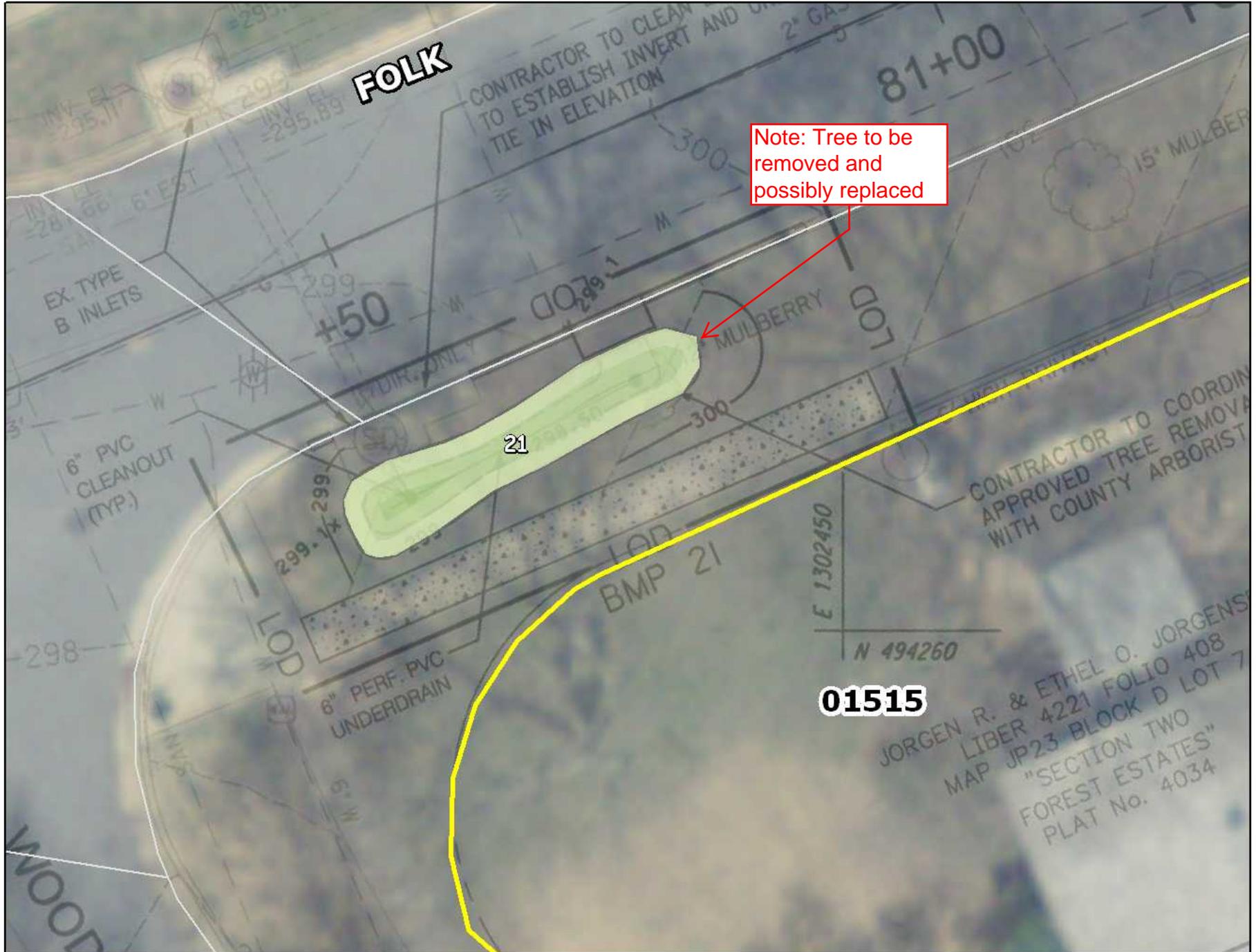


1515 Woodman Ave - Bioretention

Approximate footprint shown below.
Designs are subject to change.

Facility # 21

Last updated November 1, 2011



10309 Folk St - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 23

Last updated November 14, 2011



10207 10209 Julep Ct - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 26

Last updated November 14, 2011

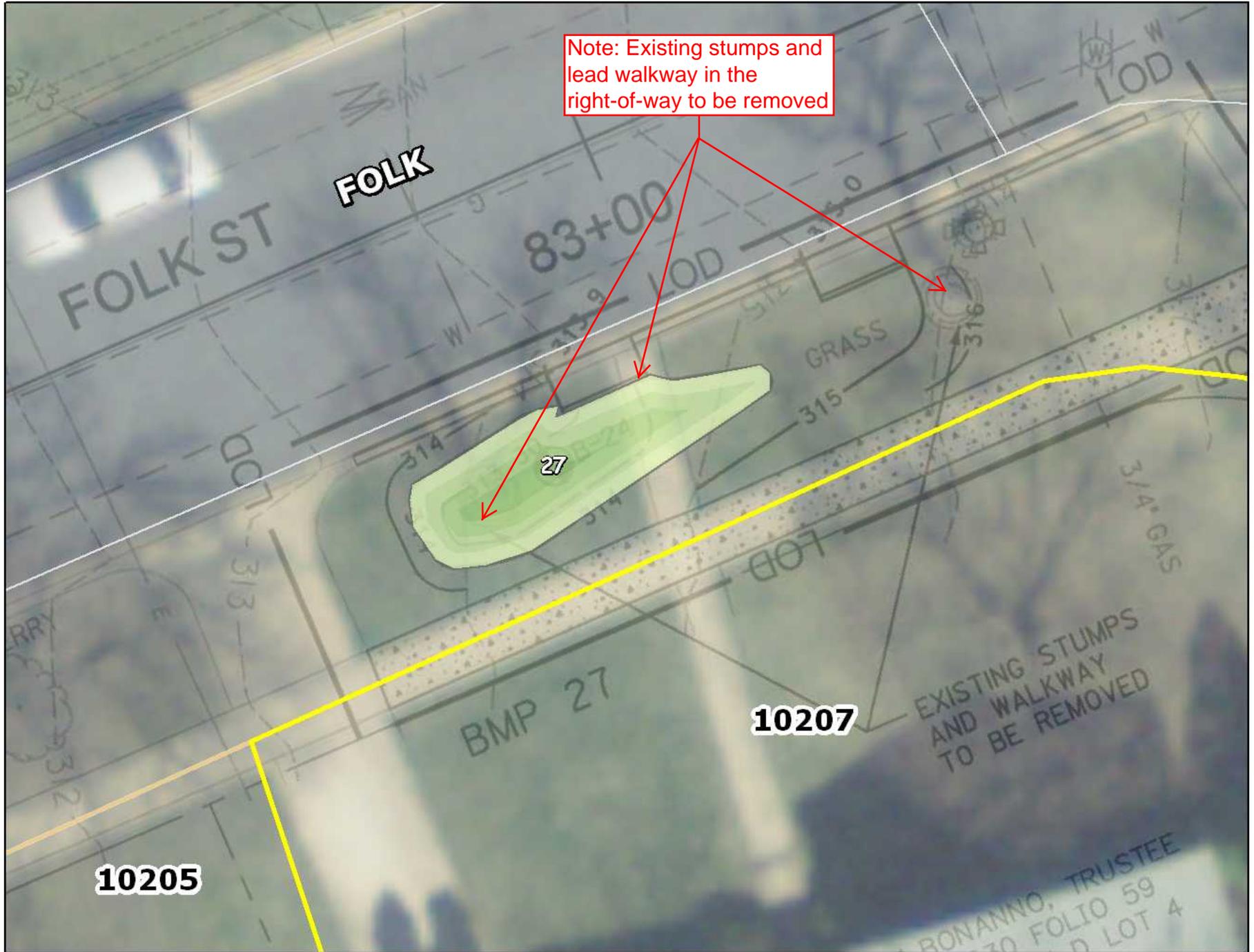


10207 Folk St - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 27

Last updated November 1, 2011



1504 Dennis Ave - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 28

Last updated November 1, 2011



10321 Inwood Ave - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 30

Last updated November 1, 2011



10315 Julep Ave - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 36

Last updated November 14, 2011



10312 Folk St - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 37

Last updated November 14, 2011

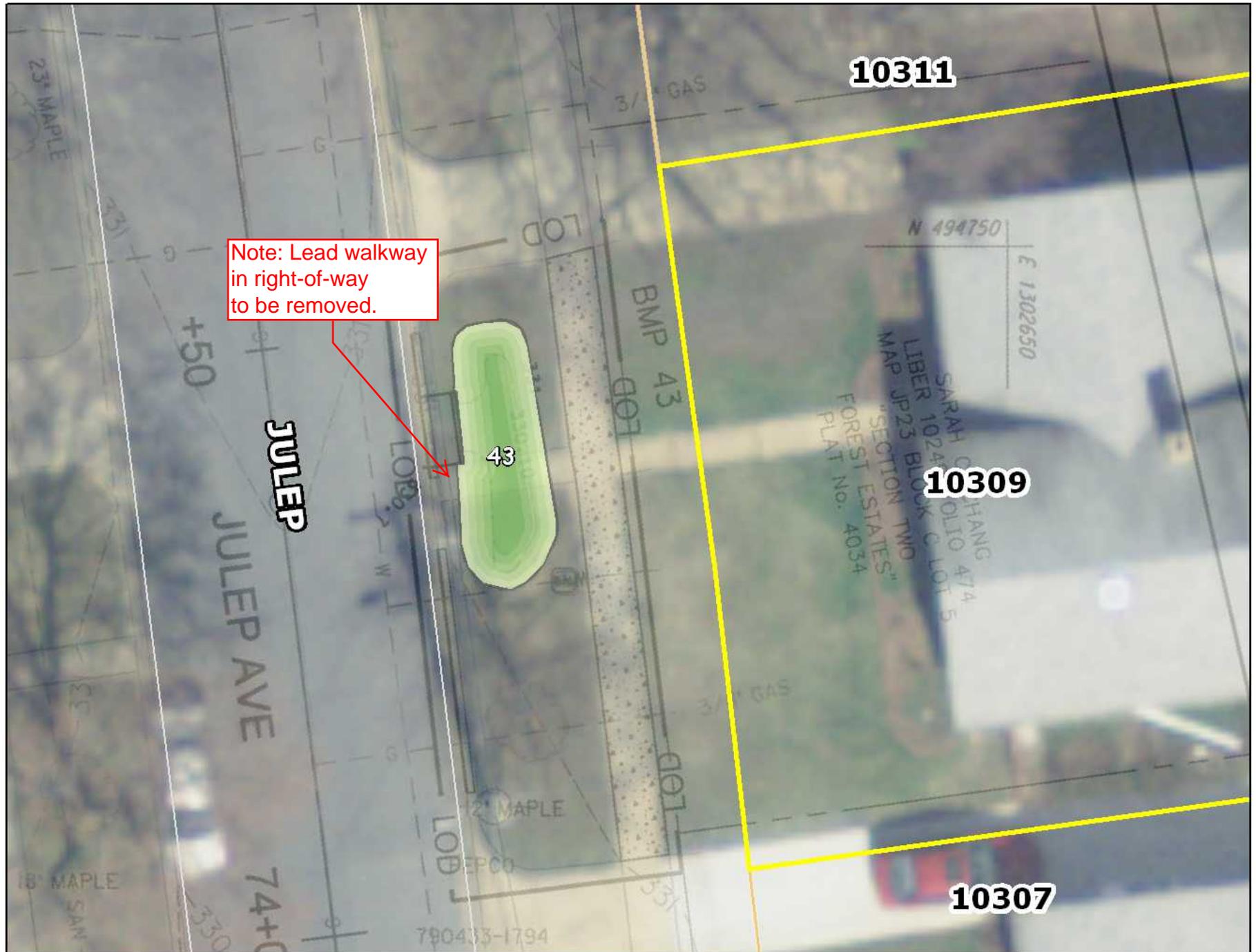


10309 Julep Ave - Rain Garden

Approximate footprint shown below.
Designs are subject to change.

Facility # 43

Last updated November 1, 2011



1600 Woodman Ave - Bioretention (10) & Rain Garden (44)

Approximate footprint shown below.
Designs are subject to change. Last updated November 1, 2011

Facility # 44

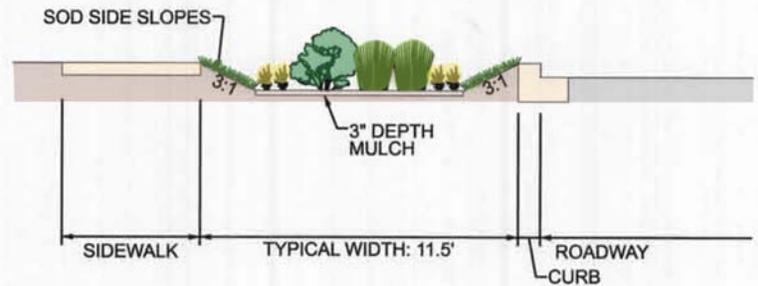




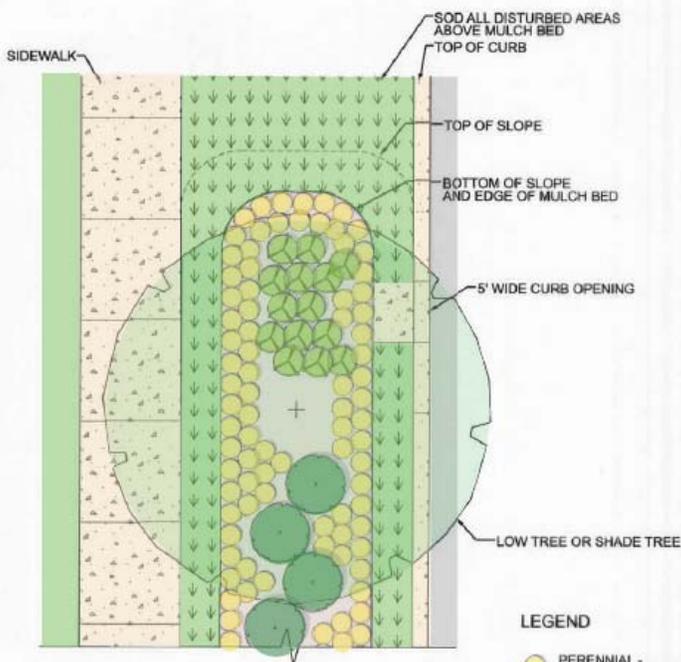
Forest Estates LID Example Planting Plan (Conceptual)



**RAIN GARDEN PLANTING
TYPICAL SECTION**
NOT TO SCALE

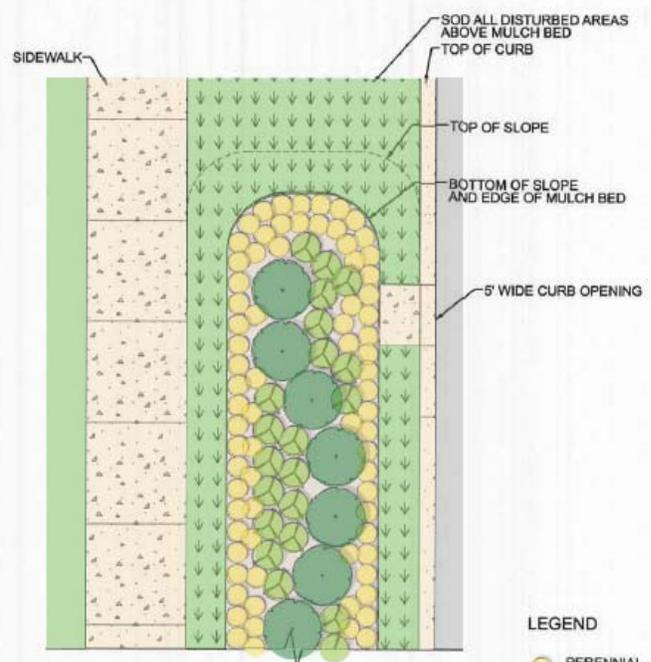


**BIORETENTION PLANTING
TYPICAL SECTION**
NOT TO SCALE



- LEGEND**
- PERENNIAL - PLANT 12" ON CENTER
 - ORNAMENTAL GRASS - PLANT 18" ON CENTER
 - SHRUB - PLANT 3' ON CENTER

**RAIN GARDEN PLANTING
TYPICAL PLAN VIEW**
NOT TO SCALE



- LEGEND**
- PERENNIAL - PLANT 12" ON CENTER
 - ORNAMENTAL GRASS - PLANT 18" ON CENTER
 - SHRUB - PLANT 3' ON CENTER

**BIORETENTION PLANTING
TYPICAL PLAN VIEW**
NOT TO SCALE



Forest Estates LID Example Plant List (Conceptual)



Groundcovers		
1	Turfgrass Sod	
2	Shredded Hardwood Bark Mulch	
Ornamental Grasses		
3	Carex crinita	Fringed sedge
4	Eragrostis spectabilis	Purple love grass
5	Panicum virgatum 'Shenandoah'	Shenandoah switchgrass
6	Panicum virgatum 'Rotstrahlbusch'	Dwarf red switchgrass
Perennials		
7	Asclepias tuberosa	Butterfly milkweed
8	Aster Novi Belgii	Woods pink aster
9	Coreopsis verticillata 'moonbeam'	Moonbeam tickseed
10	Echinacea purpurea	Purple coneflower
11	Rudbeckia fulgida 'Goldstrum'	Black-eyed susan
Shrubs		
12	Clethra alnifolia 'hummingbird'	Dwarf summersweet
13	Ilex glabra 'compacta'	Dwarf inkberry
14	Ilex verticillata 'red sprite'	Dwarf winterberry
15	Ilex verticillata 'jim dandy'	Male winterberry
16	Potentilla fruticosa	Bushy cinquefoil
Low Trees		
17	Amelanchier canadensis	Serviceberry
18	Chionanthus virginicus	Fringe tree
19	Prunus virginiana 'schubert'	Red chokecherry
Shade Trees		
20	Acer rubrum	Red maple
21	Carpinus caroliniana	American hornbeam
22	Quercus phellos	Willow oak



Forest Estates LID Example Plant Photos (Conceptual)



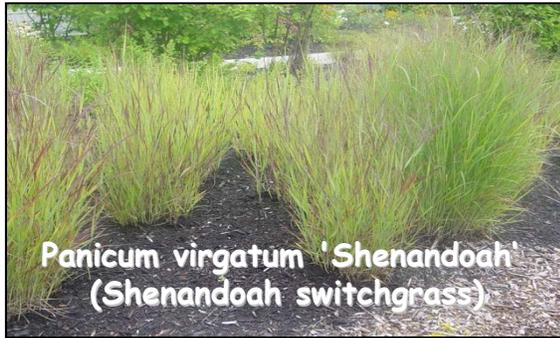
Ornamental Grasses



Carex crinita (Fringed sedge)



Eragrostis spectabilis
(Purple love grass)



Panicum virgatum 'Shenandoah'
(Shenandoah switchgrass)



Panicum virgatum 'Rotstrahlbusch'
(Dwarf red switchgrass)

Perennials



Asclepias tuberosa
(Butterfly milkweed)



Aster Novi Belgii
(Woods pink aster)



Coreopsis verticillata 'moonbeam'
(Moonbeam tickseed)



Rudbeckia fulgida 'Goldstrum'
(Black-eyed susan)



Echinacea purpurea
(Purple coneflower)



Forest Estates LID Example Plant Photos (Conceptual)



Shrubs



Clethra alnifolia 'hummingbird'
(Dwarf summersweet)



Ilex glabra 'compacta'
(Dwarf inkberry)



Ilex verticillata 'red sprite'
(Dwarf winterberry)



Ilex verticillata 'jim dandy'
(Male winterberry)



Potentilla fruticosa
(Bushy cinquefoil)

Low Trees



Amelanchier canadensis
(Serviceberry)



Chionanthus virginicus
(Fringe tree)

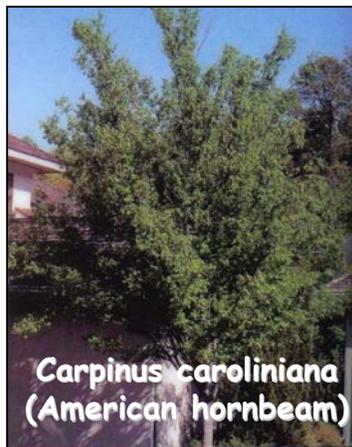


Prunus virginiana 'schubert'
(Red chokecherry)

Shade Trees



Acer rubrum
(Red maple)



Carpinus caroliniana
(American hornbeam)



Quercus phellos
(Willow oak)