

Completing Shanes Creek's Stream Restoration: Part 2

By Greg Sykes (greg@grsykes.com)

[Part 1](#) of this series examined some of the main features found in the newly restored sections of Shanes Creek. Let's start this installment with a look at the biggest artificial wetland in the project. The figure numbers resume where they last left off.



Figure 5. The planners dubbed the project's largest, multi-pooled artificial wetland, "Frog Disneyland" (A, during construction, and B, after). It is 900 feet east of Roberts Road. Instead of being fed by the creek's floods, Frog Disneyland's water comes from a large storm drain outfall—one that was a major source of pollutants entering Shanes Creek and the reason for so much work at this location. After exiting the outfall, water collects in front of a berm (C, arrow) that separates the pool from Shanes Creek before making a 90° turn into the wetland. The plant roots here, including this black willow (*Salix nigra*) sprouting from a livestake in the ground (D), filter pollutants and clean the effluent before it enters the creek. Reducing usage of pesticides and other chemicals that contaminate runoff will improve the environment even more! Frogs are breeding in these artificial depressions as they do in [vernal pools](#). Amphibian populations help gauge a habitat's health because they are [sensitive to environmental changes](#).

One of the most frequent community member complaints still stemming from this project is the tree loss. In fact, areas around streams should be open because they historically saw beaver activity and increased biodiversity around beaver ponds. Generations ago, local beavers were nearly trapped to extinction and today we forget how waterways should appear. There are gripes about spending the money and having construction disrupt the park. This project responded to a problem—poor water quality—and addressed the symptoms but not the root cause. The runoff from paved roads is hard to tackle with the current storm drain system. Actions that people, schools, and businesses can take to support waterways before they become too imperiled include replacing lawns with native gardens, having roof downspouts extend no more than 10 feet from the house (*i.e.*, not emptying water onto sidewalks or streets), and installing rain barrels, cisterns, or [rain gardens](#). When adding a deck, patio, driveway, or house expansion, have a water capture system or absorption bed to compensate for the additional runoff. Now is the time to act.



Figure 6. The final steps involve reestablishing Shanes Creek’s [riparian buffer](#). To aid native plant repopulation, a subcontractor first used power tools and herbicides to remove invasive plants within and 20 feet outside of the boundary fence. Treated areas might look like dead zones (A, arrow pointing to what was a [multiflora rose](#) patch). Invasive weeds love dug-up soil (one reason why no-till farming is gaining popularity) so the subcontractor’s work lowers invasive competition and improves native survival rates. In addition to livestaking branches near the waterways, other natives were added as seeds, plugs, or potted plants (B). The plant species lists are attached to the end of this article. Several places are still fenced (C). These areas are habitat restoration super clumps, aka “nucleated plantings.” These test sites will be closely monitored. Elsewhere, only the tallest saplings have tree cages (D). Some of the other plants are hard to spot and are easily trampled, so staying on the official trail is the best way to help the habitat heal.

Overall, Meadville Land Service, LLC, the primary contractor in this stream restoration, made the best out of a bad situation. The crews did a good, timely job at what they were hired to do and without cutting corners. Some of the subcontractors fell a bit short, but the managers at DPWES overseeing this restoration are making sure that those jobs get done right, too. Invasive species and native plant contractors will be present over the next year. County staff and volunteers will continue their stewardship, guiding this site to further recovery. For people and the environment, the Shanes Creek restoration is for a better future both here and downstream.

References and additional background:

- The official project page: <https://www.fairfaxcounty.gov/publicworks/stormwater/plans-projects/rabbit-branch-tributary-restoration-project-collingham-drive>
- DPWES’ post-construction presentation: https://www.fairfaxcounty.gov/publicworks/sites/public-works/files/assets/documents/projects/2023-11-09_rabbit-branch-at-collingham-dr.pdf
- Q/As About Shanes Creek and Royal Lake (April 2019). https://www.grsykes.com/pdf/eco-articles/90_2019-04.pdf
- “Shanes Creek” Is Official! (August 2020). https://www.grsykes.com/pdf/eco-articles/100_2020-08.pdf

Emergency Restoration to Rabbit Branch (September 2020). Discusses the stream restoration process and techniques. https://www.grsykes.com/pdf/eco-articles/101_2020-09.pdf
Quick Points About the Shanes Creek Restoration Project (June 2022).
https://www.grsykes.com/pdf/eco-articles/114a_2022-06.pdf

* * * * *

Rabbit Branch at Collingham Drive Stream **Restoration**

Habitat Restoration Seed Mixes—Species Lists

RIPARIAN FOREST SEED MIX

<i>Agrimonia parviflora</i> (harvestlice)	<i>Geum canadense</i> (white avens)
<i>Anemone virginiana</i> (thimbleweed)	<i>Helenium autumnale</i> (common sneezeweed)
<i>Bidens frondosa</i> (beggar ticks)	<i>Juncus tenuis</i> (path rush)
<i>Carex pensylvanica</i> (Pennsylvania sedge)	<i>Leersia oryzoides</i> (rice cutgrass)
<i>Carex squarrosa</i> (sugarrose sedge)	<i>Lolium perenne</i> spp. <i>multiflorum</i> (annual ryegrass)
<i>Chamaecrista nictitans</i> (sensitive partridge pea)	<i>Monarda fistulosa</i> (wild bergamot)
<i>Clematis virginiana</i> (virgin's bower)	<i>Parthenocissus quinquefolia</i> (Virginia creeper)
<i>Coleataenia anceps</i> (beaked panic grass)	<i>Penstemon digitalis</i> (penstemon)
<i>Desmodium glabellum</i> (Dillenius' tick-trefoil)	<i>Senna hebecarpa</i> (wild senna)
<i>Dichanthelium clandestinum</i> (deer tongue grass)	<i>Solidago rugosa</i> (wrinkleleaf goldenrod)
<i>Elymus riparius</i> (riverbank wild rye)	<i>Symphotrichum dumosum</i> (rice button aster)
<i>Elymus virginicus</i> (Virginia wild rye)	<i>Verbesina alternifolia</i> (wingstem)
<i>Eupatorium perfoliatum</i> (common boneset)	<i>Vernonia noveboracensis</i> (New York ironweed)
<i>Eurybia divaricata</i> (white wood aster)	

WETLAND SEED MIX

<i>Asclepias incarnata</i> (swamp milkweed)	<i>Leersia oryzoides</i> (rice cutgrass)
<i>Bidens cernua</i> (nodding beggar ticks)	<i>Lobelia cardinalis</i> (cardinal flower)
<i>Bidens frondosa</i> (beggar ticks)	<i>Lolium perenne</i> spp. <i>multiflorum</i> (annual ryegrass)
<i>Carex lurida</i> (shallow sedge)	<i>Ludwigia alternifolia</i> (seedbox)
<i>Carex pensylvanica</i> (Pennsylvania sedge)	<i>Mimulus ringens</i> (Alleghany monkeyflower)
<i>Carex scoparia</i> (blunt broom sedge)	<i>Panicum dichotomiflorum</i> (fall panic grass)
<i>Carex squarrosa</i> (sugarrose sedge)	<i>Penthorum sedoides</i> (ditch stonecrop)
<i>Carex vulpinoidea</i> (fox sedge)	<i>Phyla lanceolata</i> (lanceleaf frogfruit)
<i>Chamaecrista nictitans</i> (sensitive partridge pea)	<i>Polygonum pensylvanicum</i> (Pennsylvania smartweed)
<i>Chelone glabra</i> (white turtlehead)	<i>Senna hebecarpa</i> (wild senna)
<i>Coleataenia anceps</i> (beaked panic grass)	<i>Solidago rugosa</i> (wrinkled goldenrod)
<i>Dichanthelium clandestinum</i> (deer tongue grass)	<i>Symphotrichum puniceum</i> (purple-stemmed aster)
<i>Elymus riparius</i> (riverbank wild rye)	<i>Verbena hastata</i> (blue vervain)
<i>Elymus virginicus</i> (Virginia wild rye)	<i>Vernonia noveboracensis</i> (New York ironweed)
<i>Eupatorium fistulosum</i>	
<i>Impatiens capensis</i> (jewelweed)	
<i>Leersia virginica</i> (white grass)	

TURF GRASS SEED MIX

-For use near entrances-

Improved Perennial Ryegrass
Kentucky 31 or Turf Type Tall Fescue
Kentucky Bluegrass

WSSC MBE, SBE # SB11-3517, City of Baltimore MWBOO, Federal WOSB/EDWOSB, VA DBE/WBE SWaM #691714, VDot DBE/WBE # 691714, MWAA LDBE, MWUCP/WMATA DBE # 1028, DC DOT, PG County DBE, Montgomery Cty LSBRP & MFD, Howard Cty MBE, Delaware DOT DBE #2077, DE WBE #DE19063253, DE SBE #SBF19061301,

MD Licensed Tree Experts (LTE), ISA, MD Professional Fertilizer Applicator (PFA), MD Pesticide #29275 (1-A) (2) (3-A) (3-C) (4) (5) (6), VA Pesticide #11286, DC Pesticide #119324, MD SHA E&S Responsible Person & Yellow Card, NGICP, NALP (LCA) CLT certified, Maryland Plant Dealer/Broker

FURNISH AS SUBMITTED
D. SETTE, LA III, SWPD 09-22-2023

Rabbits Branch Planting Submittals / Substitution Requests

Source of Supply

Submittal Section	Description	Size	Bid Item Quantity	Supplier	Manufacturer	AcceptanceNotes
	Riparian Forest Planting:					
1.3-A.1	Quercus falcata	.75" Caliper	15	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Clear Ridge Nursery, Inc 217 North Clear Ridge Road Union Bridge, MD 21791 Phone: 410.775.7700 Contact: Jessica	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus alba	.75" Caliper	15	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytownne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus bicolor	.75" Caliper	15	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytownne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus phellos	.75" Caliper	15	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus rubra	.75" Caliper	16	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytownne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus falcata	1 Gallon	40	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus alba	1 Gallon	40	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus bicolor	1 Gallon	41	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytownne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus phellos	1 Gallon	41	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus rubra	1 Gallon	41	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytownne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus falcata Sub <i>Quercus palustris</i>	Tubelings	40	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus alba	Tubelings	40	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4

1.3-A.1	Quercus bicolor	Tubelings	40	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus phellos	Tubelings	41	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Fran	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus rubra	Tubelings	41	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Fran	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Fagus grandifolia Sub: Spread to Celtis occidentalis	.75" Caliper	0	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Jessica	Clear Ridge Nursery, Inc 217 North Clear Ridge Road Union Bridge, MD 21791 Phone: 410.775.7700 Contact: Jessica	Per Transmittal 4 Response
1.3-A.1	Diospyros virginiana	.75" Caliper	9	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Brad Schott	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Celtis occidentalis	.75" Caliper	11	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Brad Schott	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Per Transmittal 4 Response
1.3-A.1	Nyssa sylvatica	.75" Caliper	9	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Platanus occidentalis	.75" Caliper	9	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Brad Schott	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Fagus grandifolia	1 Gallon	5	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Diospyros virginiana	1 Gallon	21	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Celtis occidentalis	1 Gallon	21	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Nyssa sylvatica	1 Gallon	21	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Platanus occidentalis	1 Gallon	21	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Fagus grandifolia Sub: Acer rubrum	Tubelings	5	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Per Transmittal 4 Response
1.3-A.1	Diospyros virginiana	Tubelings	20	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Celtis occidentalis	Tubelings	21	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Nyssa sylvatica	Tubelings	21	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Fran	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Platanus occidentalis	Tubelings	21	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4

1.3-A.1	<i>Carya cordiformis</i> Sub: <i>Carya tomentosa</i>	18-24" Tubelings	26	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Carpinus caroliniana</i>	.75" Caliper	45	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Amelanchier canadensis</i>	.75" Caliper	36	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Acer negundo</i>	.75" Caliper	36	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Ilex opaca</i>	.75" Caliper	9	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Robinia pseudoacacia</i>	.75" Caliper	36	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Magnolia virginiana</i>	.75" Caliper	9	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Carpinus caroliniana</i>	1 Gallon	119	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Ecotone, Inc. 129 Industry Lane Forest Hill, MD 21050 Phone: 410-841-5920 Contact: Scott McGill Sr.	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Amelanchier canadensis</i>	1 Gallon	96	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Acer negundo</i> Sub: <i>Acer rubrum</i>	1 Gallon	96	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Clear Ridge Nursery, Inc 217 North Clear Ridge Road Union Bridge, MD 21791 Phone: 410.775.7700 Contact: Jessica	Per Transmittal 4 Response
1.3-A.1	<i>Ilex opaca</i>	1 Gallon	25	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehores Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Robinia pseudoacacia</i>	1 Gallon	96	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Magnolia virginiana</i>	1 Gallon	25	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Carpinus caroliniana</i>	Tubelings	120	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Amelanchier canadensis</i>	Tubelings	96	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Acer negundo</i>	Tubelings	96	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Ilex opaca</i>	Tubelings	25	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Robinia pseudoacacia</i>	Tubelings	96	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd, Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4

CERCIS CANADENSIS
APPROVED

1.3-A.1	Magnolia virginiana Sub: Cercis canadensis, or spread to other species	Tubelings	25	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Sub Request - No Response Within Transmittal 4
1.3-A.1	Corylus americana Sub to Physocarpus opulifolius	1 Gallon	60	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Lindera benzoin	1 Gallon	61	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum dentatum	1 Gallon	61	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Hamamelis virginiana	1 Gallon	61	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum prunifolium	1 Gallon	61	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	ARRC 12506 Susquehanna Trail S New Freedom, PA, 17349 Phone: 717-428-9368 Contact:	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Corylus americana	#3	30	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Lindera benzoin	#3	30	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum dentatum	#3	30	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Hamamelis virginiana	#3	31	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum prunifolium	#3	31	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taneytowne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
	Shrub Layer (Superclump Only):					
1.3-A.1	Vaccinium corymbosum	1 Gallon	49	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Sassafras albidum	1 Gallon 3 Gallon	49	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Per Transmittal 4 Response, only 3 gal available at Pinelands, Empire will provide in kind
	Fern Layer:					
1.3-A.1	Onoclea sensibilis	Quart	150	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Babikow Greenhouses 7838 Babikow Road Baltimore, MD 21237 Phone: 800.835.7617 Contact:	Per Transmittal 4 Response
1.3-A.1	Thelypteris noveboracensis Sub: Spread to other Species	Quart	0	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Babikow Greenhouses 7838 Babikow Road Baltimore, MD 21237 Phone: 800.835.7617 Contact:	Per Transmittal 4 Response
1.3-A.1	Osmunda regalis	Quart	150	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Babikow Greenhouses 7838 Babikow Road Baltimore, MD 21237 Phone: 800.835.7617 Contact:	Per Transmittal 4 Response

1.3-A.1	Osmundastrum cinnamomeum	Quart	150	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Babikow Greenhouses 7838 Babikow Road Baltimore, MD 21237 Phone: 800.835.7617 Contact:	Per Transmittal 4 Response
1.3-A.1	Polystichum acrostichoides	Quart	150	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Babikow Greenhouses 7838 Babikow Road Baltimore, MD 21237 Phone: 800.835.7617 Contact:	Per Transmittal 4 Response
	Stream Bank:					
1.3-A.1	Alnus serrulata	1 Gallon	768	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Aronia arbutifolia	1 Gallon	768	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Schott Nurseries Inc. 2932 Basehore Mill Road Taney- towne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Cephalanthus occidentalis	1 Gallon	768	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Schott Nurseries Inc. 2932 Basehore Mill Road Taney- towne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Ilex verticillata	1 Gallon	768	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Schott Nurseries Inc. 2932 Basehore Mill Road Taney- towne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum dentatum	1 Gallon	768	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
	Stream Edge: Tubel- ings or Livestakes					
1.3-A.1	Alnus serrulata	18-24" Livestake ½" to 1-½" Diam- eter	1397	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	ARRC 12506 Susquehanna Trail S New Freedom, PA, 17349 Phone: 717-428-9368 Contact:	Per Transmittal 4 Response
1.3-A.1	Cephalanthus occidentalis	18-24" Livestake ½" to 1-½" Diam- eter	1397	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	ARRC 12506 Susquehanna Trail S New Freedom, PA, 17349 Phone: 717-428-9368 Contact:	Per Transmittal 4 Response
1.3-A.1	Cornus amomum	18-24" Livestake ½" to 1-½" Diam- eter	1383	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Ernst conservation Seed 8884 Mercer Pike Meadville, PA 16335 Phone: 1-800-873-3321 Contact: Nikki	Per Transmittal 4 Response
1.3-A.1	Sambucus canadensis	18-24" Livestake ½" to 1-½" Diam- eter	1398	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Ernst conservation Seed 8884 Mercer Pike Meadville, PA 16335 Phone: 1-800-873-3321 Contact: Nikki	Per Transmittal 4 Response
	Livestakes:					
1.3-A.1	Salix nigra (upstream)	18-24" Livestake ½" to 1-½" Diam- eter	173	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Per Transmittal 4 Response
1.3-A.1	Salix nigra (downstream)	18-24" Livestake ½" to 1-½" Diam- eter	1038	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Ernst conservation Seed 8884 Mercer Pike Meadville, PA 16335 Phone: 1-800-873-3321 Contact: Nikki	Per Transmittal 4 Response
	Wetland Planting:					
1.3-A.1	Quercus bicolor	Tubelings 1 Gallon	448 100	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taney- towne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Per Transmittal 4 Response

1.3-A.1	<i>Quercus michauxii</i> Sub: <i>Q. palustris</i> , <i>Q. Phellos</i> , <i>Q. rubra</i> , <i>Q. bicolor</i>	Tubelings 1 Gallon	148 100	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Per Transmittal 4 Response
1.3-A.1	<i>Quercus palustris</i>	Tubelings	148	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Quercus phellos</i>	Tubelings 1 Gallon	148 100	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Per Transmittal 4 Response
1.3-A.1	<i>Acer negundo</i>	Tubelings	169	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Betula nigra</i>	Tubelings	169	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Nyssa sylvatica</i>	Tubelings	169	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Platanus occidentalis</i>	Tubelings	169	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Ulmus americana</i> Sub: <i>Nyssa sylvatica</i>	Tubelings	169	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Per Transmittal 4 Response
1.3-A.1	<i>Acer rubrum</i>	Tubelings	53	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Amelanchier canadensis</i>	Tubelings	53	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Asimina triloba</i>	Tubelings	53	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Carpinus caroliniana</i>	Tubelings	54	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Magnolia virginiana</i>	1 Gallon	6	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	American Native Plants 4812 East Joppa Rd. Perry Hall, MD 21128 Phone: 410-529-0552 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Salix nigra</i>	18-24" Livestake ½" to 1-½" Diameter	254	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact: Mike	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Alnus serrulata</i>	Tubelings	72	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Cephalanthus occidentalis</i>	Tubelings	72	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Ilex verticillata</i>	Tubelings	72	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	<i>Cornus amomum</i>	Tubelings	72	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4

1.3-A.1	Rosa palustris	Tubelings	73	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Viburnum dentatum	Tubelings	73	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Physocarpus opulifolius Sub: <i>Lindera benzoin</i>	Tubelings	73	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Pinelands Nursery 323 Island Road Columbus, NJ 08022 Phone: 609.291.9486 Contact: Fran	Per Transmittal 4 Response
	Plugs (Inside pool)					
1.3-A.1	Saururus cernuus	DP50 Plug	110	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Iris virginica	DP50 Plug	108	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Juncus effusus	DP50 Plug	108	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Scirpus cyperinus	DP50 Plug	108	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Sagittaria latifolia	DP50 Plug	108	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Hibiscus moscheutos	DP50 Plug	108	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
	Plugs (Outside pool):					
1.3-A.1	Carex lurida	DP50 Plug	255	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Carex pensylvanica	DP50 Plug	253	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Asclepias incarnata	DP50 Plug	253	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Chelone glabra	DP50 Plug	253	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
	Park Entrance Landscaping:					
1.3-A.1	Cercis canadensis	1.5" Caliper	3	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Clear Ridge Nursery, Inc 217 North Clear Ridge Road Union Bridge, MD 21791 Phone: 410.775.7700 Contact: Jessica	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Cornus florida	1.5" Caliper	3	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Clear Ridge Nursery, Inc 217 North Clear Ridge Road Union Bridge, MD 21791 Phone: 410.775.7700 Contact: Jessica	Approved 9.21.2023 - Transmittal 4

1.3-A.1	Nyssa sylvatica	2.5" Caliper	3	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Ingleside Plantation Nursery 5870 Leedstown Road Oak Grove, VA 22443 Phone: 804.224.7111 Contact: Brent Thomas	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Quercus phellos	2.5" Caliper	3	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Ingleside Plantation Nursery 5870 Leedstown Road Oak Grove, VA 22443 Phone: 804.224.7111 Contact: Brent Thomas	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Hydrangea quercifolia	2 Gallon	6	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	Schott Nurseries Inc. 2932 Basehore Mill Road Taney- towne, MD 21787 Phone: 410.756.9175 Contact: Brad Schott	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Clethra alnifolia	2 Gallon	6	Empire Landscape, LLC 15717 New Hampshire Ave. Silver Spring, MD 20905 Phone: 301-775-8651 Contact:	ARRC 12506 Susquehanna Trail S New Freedom, PA, 17349 Phone: 717-428-9368 Contact:	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Itea virginica	2 Gallon	6	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Cavans Perennials, Inc. 6845 Sunshine Ave, Kingsville, MD 21087 Phone: 410.592.8077 Contact: Sales	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Polystichum acrostichoides	Quart	15	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4
1.3-A.1	Asclepias tuberosa	Quart	15	Direct Nursery Sales, LLC P.O. Box 894 Burtonsville, MD 20866 Phone: 301-525-7261 Contact: Randy Adler	Wicklein's Native Plants 1820 Cromwell Bridge Road Baltimore, MD 21234 Phone: 410.823.1335 Contact: Erik Wicklein	Approved 9.21.2023 - Transmittal 4

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