

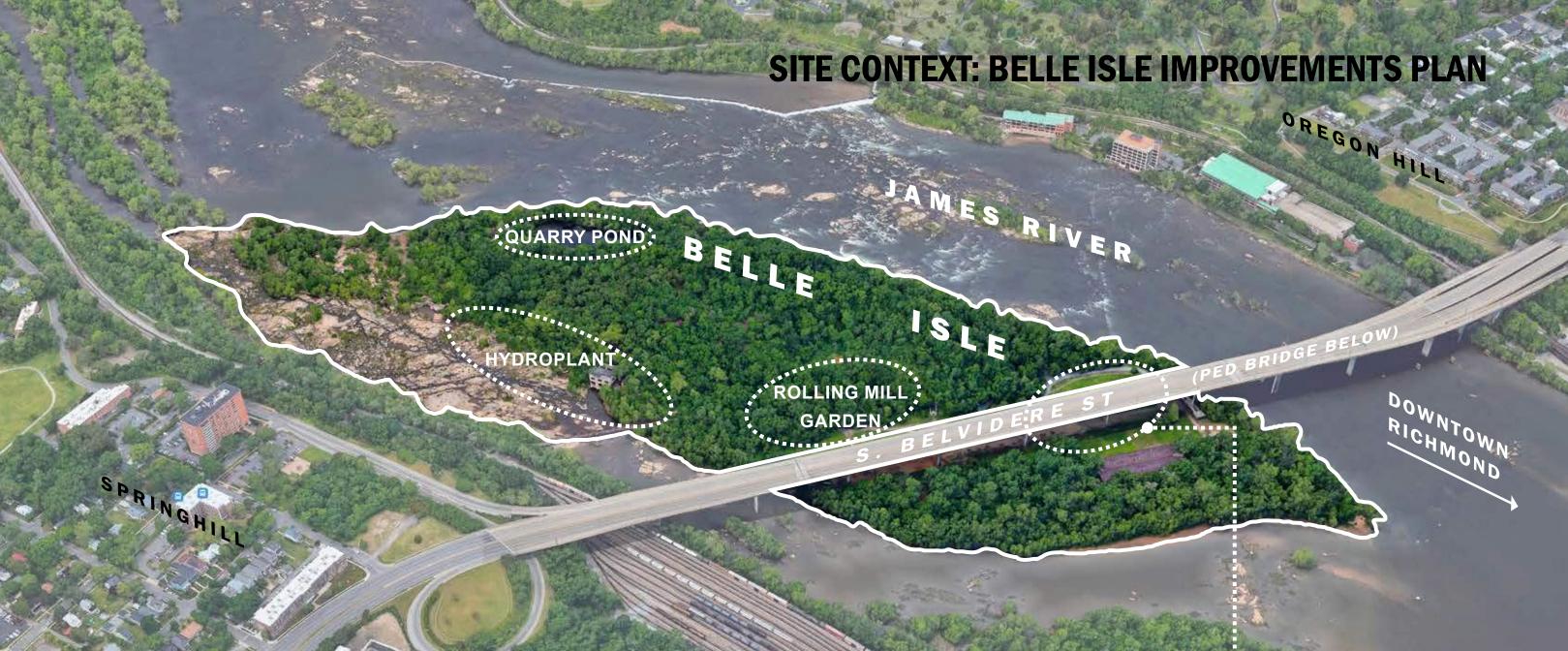
In November 2023, the Belle Isle Improvements
Plan was created. The James River Parks
System and Friends of James River Park
have worked alongside Marvel to construct a
safer and more welcoming Belle Isle, one that
celebrates both its wild nature and its industrial
past. The project completes the island loop with
four key areas to better serve the recreational

and conservation needs of the community by providing visitor amenities, conserving native species and habitats, and refurbishing old structures to be safer and universally accessible. The four key areas are the Hydroplant, Belle Isle Gateway, Rolling Mill Garden, and the Quarry Pond.









The Gateway is the most visible and accessible public space on the island and also the least activated. Stemming from the heavy use of the Bike Skills Area, the area seeks to create recreational opportunities for more visitors by placing them closer to the park's entrances. FOJRP & JRPS have identified the following projects for early implementation in the Gateway Area:

- A nature exploration area for children
- An updated pump track / bike skills area
- An arrival area for gathering & passive uses
- · Adaptive reuse of the existing Nail Shed
- A landscape of native plant communities
- A future restroom & ranger station







NATURE EXPLORATION AREA



Zucker Natural Exploration Area in Prospect Park Brooklyn, NY

Belle Isle is a popular destination. For conservation purposes, JRPS would like to concentrate park activities in dedicated areas.

A Nature Exploration Area (NEA) is a safe environment to explore nature for beginners, and an introduction to Belle Isle to new visitors.



Nature Exploration Area at Museum of Life and Science Durham, NC



Nature Exploration Area at Rolph Nicol Park San Francisco, CA





EXISTING SITE CONDITIONS

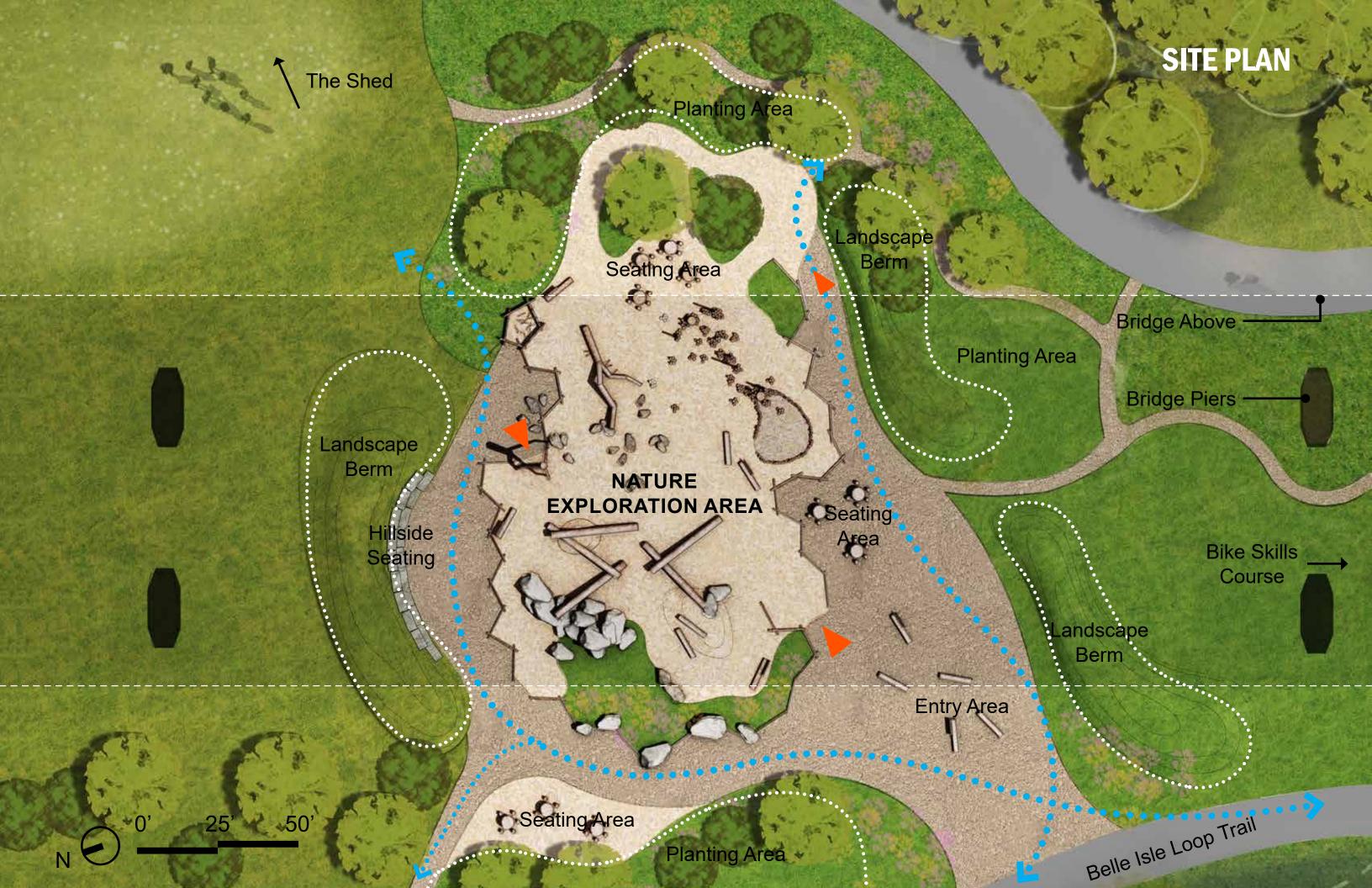












NATURE EXPLORATION AREA PRECEDENTS

LOG JAM & RAPIDS

RIVERBANK

FOREST



Logs | Climb + Balance + Hop + Crawl



Boulders | Climb + Balance + Hop + Run Around



Tall Posts | Hop + Climb + Jump



Rocks | Climb + Balance + Hop + Run Around



Mulch/Gravel Pit | Build + Dig + Sculpt



Short Stumps | Step + Hop + Run Around





NATURE EXPLORATION AREA PRECEDENTS

HILL



Log Amphitheater | Gather + Learn + Hop + Climb



Stump Terrace | Gather + Learn + Hop + Climb

FALLEN TREE



Trunk & Branches | Climb + Balance + Crawl



Loose Materials | Build + Stack + Pretend Play

NATURE EXPLORATION AREA PRECEDENTS

EDGING & SURFACING



Timber edges to contain mulch



Edge as a Play Feature | Balance + Walk

SEATING



Stump Tables & Chairs | Learn + Picnic + Collect



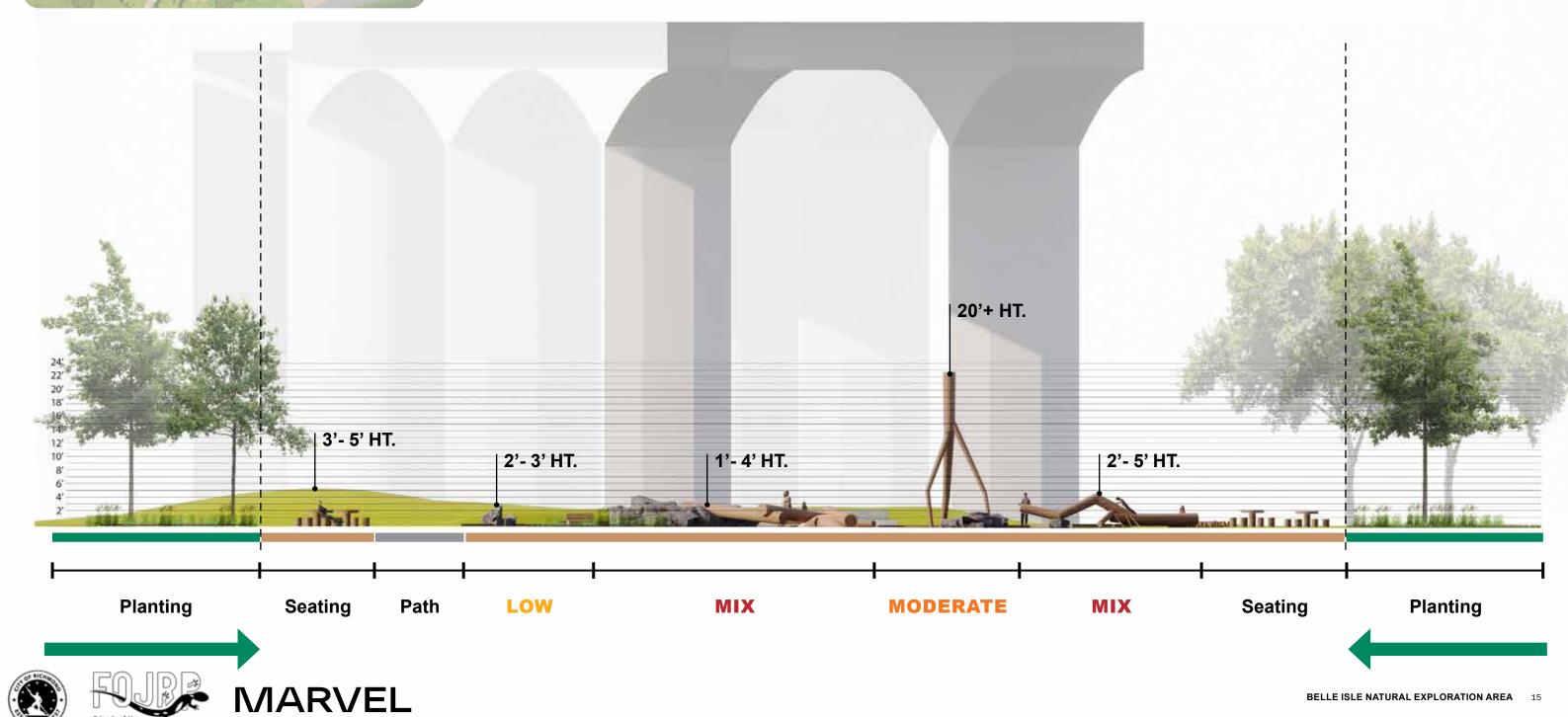
Log Bench | Sit + Climb + Balance





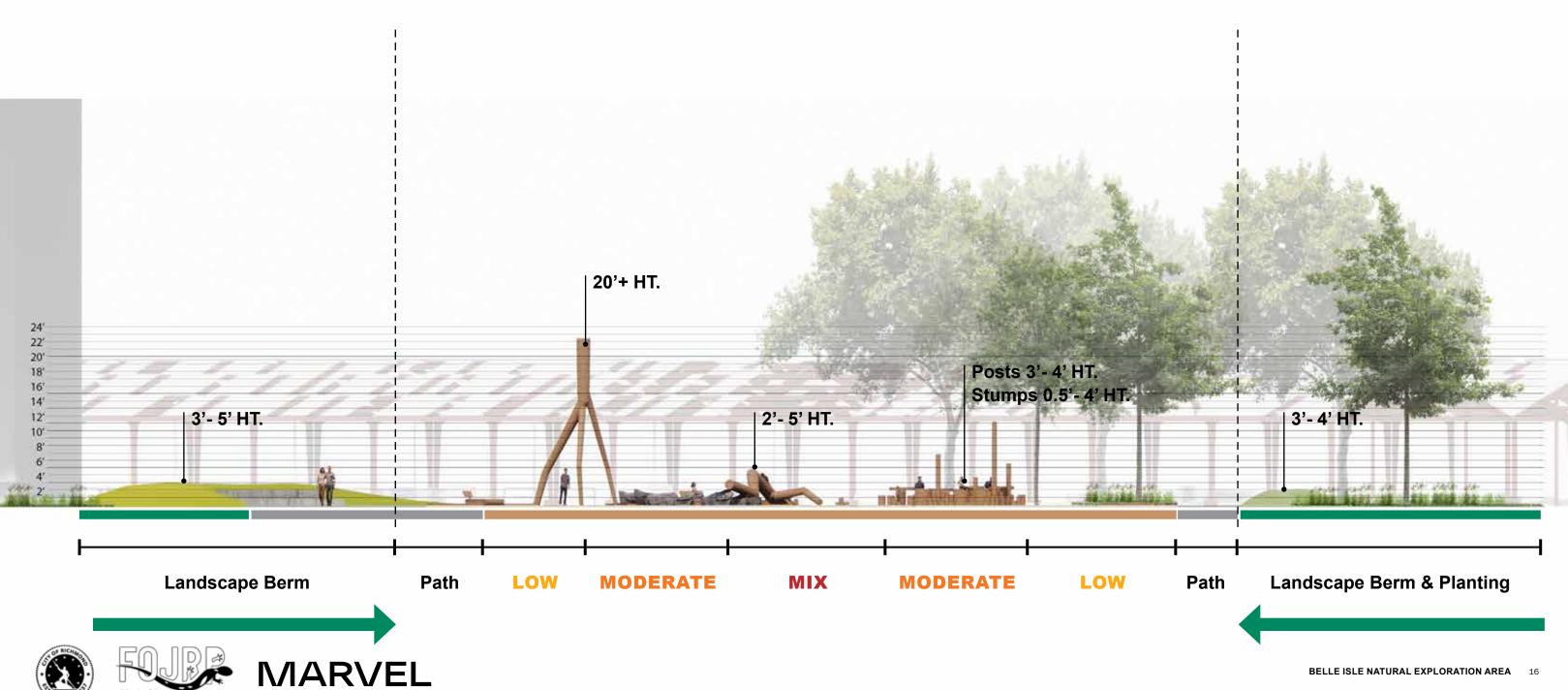
NO

SITE SECTION: EAST-WEST



NO

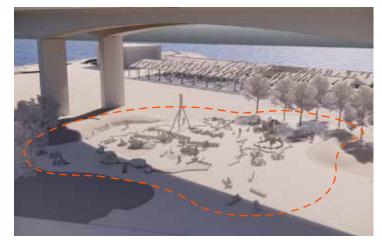
SITE SECTION: NORTH-SOUTH



SOLAR ORIENTATION



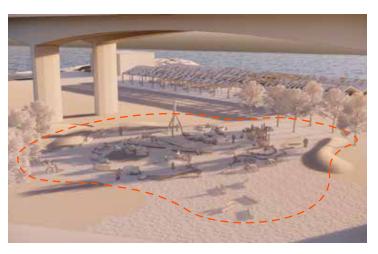
8am, March 21



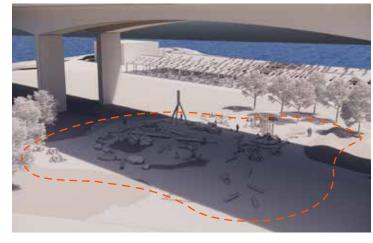
8am, June 21



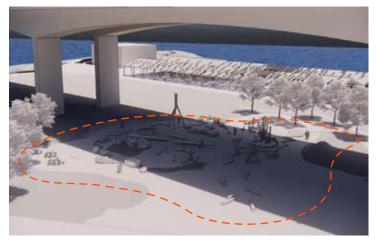
8am, September 21



8am, December 21



12pm, March 21



12pm, June 21



12pm, September 21



12pm, December 21



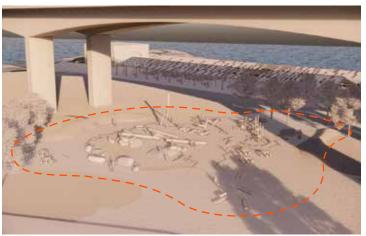
4pm, March 21



4pm, June 21



4pm, September 21



4pm, December 21





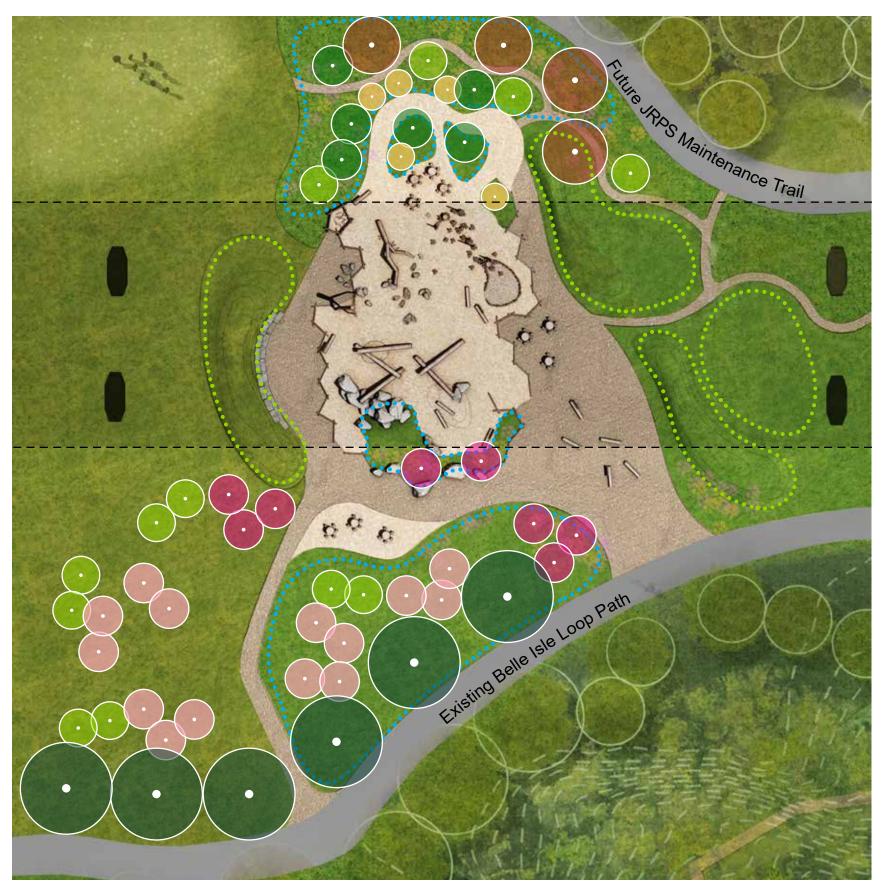
PLANT COMMUNITIES

	VAWAS						
	Alluvial Swamp	Forested Wetland	Wet Meadow	Floodplain Forest	Rich/Mesic Upland Forest	Savannah	Riverside Meadow
Tree	Quercus alba (White Oak) Magnolia virginiana (Sweetbay magnolia) Liriodendron tulipifera (Tulip Poplar) Nyssa sylvatica (Blackgum) Acer rubrum (Red Maple)	(Eastern ceder) Betula nigra (River Birch) - Cercis canadensis	Quercus alba (White Oak) Quercus falcata (Southern Red Oak) Acer rubrum (Red Maple) Liriodendron tulipifera (Tulip Poplar) Cercis canadensis (Redbud)	 Quercus alba (White Oak) Asimina triloba (Pawpaw) Staphylea trifolia (Bladdernut) Betula nigra (River Birch) Acer rubrum (Red Maple) Carpinus caroliniana (Muscle wood) Liriodendron tulipifera (Tulip Poplar) Cornus florida (Flowering Dogwood) 	 Cornus florida (Flowering Dogwood) Asimina triloba (Pawpaw) Fagus grandifolia (American Beech) Liriodendron tulipifera (Tulip Poplar) Carya cordiformis (Bitternut Hickory) 	- Quercus alba (White Oak) - Quercus falcata (Southern Red Oak) - Carya tomentosa (Mockernut Hickory) - Pinus taeda (Yellow Pine)	- Quercus alba (White Oak) - Quercus falcata (Southern Red Oak) - Carya tomentosa (Mockernut Hickory) - Pinus taeda (Yellow Pine) - Cercis canadensis (Redbud)
	(Possumhaw Viburnum) Ilex verticillata - (Winterberry)	Itea virginica (Virginia - Sweetspire) Amelanchier canadensis (Serviceberry)	Cephalanthus occidentalis (Buttonbush)	 Lindera benzoin (Spicebush) Ilex verticillata (Winterberry) 	 Viburnum prunifolium (Black Haw) Lindera benzoin (Spicebush) 	 Lindera benzoin (Spicebush) Amelanchier canadensis (Serviceberry) 	 Itea virginica (Virginia Sweetspire) Amelanchier canadensis (Serviceberry)
Perenni	Als/ Grass Chelone glabra (White turtlehead) Lilium superbum (Turk's cap Lily) Hibiscus moscheutos (Swamp Rose-Mallow)	Eutrochium fistulosum - (Hollow Joe Pye) Eutrochium Purpureum - (Sweet Joe Pye) Juncus effusus (Common - Rush) Solidago rugosa - (Goldenrod)	HIbiscus laevis (Halberd Leaf Rose Mallow) Asclepias incarnata (Swamp milkweed) Ludwigia alternifolia (Sweetbox) Carex lupulina (Hop Sedge)	 Commelian erecta (Slender Dayflower) Chasmanthium latifolium (River Oats) Mertensia virginica (Virginia Bluebells) Salvia lyrata (Lyre Leaf Sage) 	 Eurybia divaricata (White Wood Aster) Erythronium americanum (Trout Lily) Claytonia virginica (Spring Beauty) 	 Sorghastrum nutans (Indian Grass) Schizachyrium scoparium (Little Bluestem) Erianthus alopecuroides (Silver Plumegrass) Solidago nemoralis (Grey Goldenrod) Sericocarpus asteroides (Toothed White-top Aster) 	 Sorghastrum elliottii (Slender Indiangrass) Conoclinium coelestinum (Blue Mist Flower) Silene stellata (Starry Campion) Aristida lanosa (Wooly three-Awn Grass) Hieracium gronovii (Hairy Hawkweed)



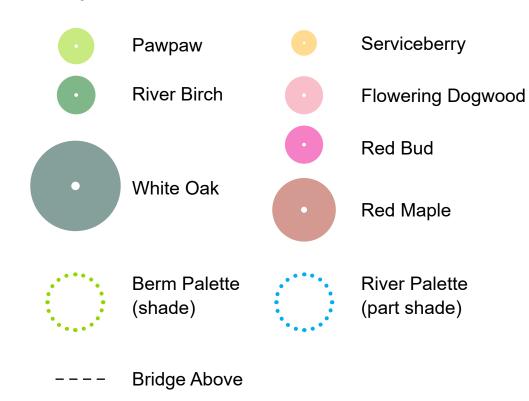


PLANTING PLAN



PLANTING STRATEGY

Floodplain Forest and Riverside Meadow Tree Selections



N O 0' 25' 50'

RIVER PLANTING PALETTE

TREES



Red Maple Acer rubrum



White Oak Quercus alba



Spicebush Lindera benzoin

SHRUBS



PERENNAILS/GRASS

Virginia Bluebells Mertensia virginica



Starry Campion Silene stellata





River Birch Betula nigra



Pawpaw Asimina triloba



Winterberry llex verticillata



Lyre Leaf Sage Salvia lyrata



Blue Mist Flower Conoclinium coelestinum





Flowering Dogwood Cornus florida





Redbud Cercis canadensis





Serviceberry Amelanchier canadensis





Slender Indiangrass Sorghastrum elliottii

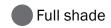


Wooly three-Awn Grass Aristida lanosa











Pollinator plant



BERM PLANTING PALETTE





Creeping Red Fescue 30% Festuca rubra





Chewings Fescue 30%Festuca rubra ssp. commutata



Annual Ryegrass 20%Lolium multiflorum





Kentucky Bluegrass, 'Maverick' 10%Poa pratensis, 'Maverick'



Rough Bluegrass 10%Poa trivialis









NEA MATERIAL PALETTE





Milled Lumber Edging, Balance Structures, and Fencing



Whole Treet Structures Seating / Tables / Exploration Elements



Reclaimed Granite Reclaimed Building Material for Seating



Pea Gravel Loose Material for Manipulative Play



Gravel Paths To mimic other Belle Isle Trails



Mulch Locally Sourced and Natural (not dyed)



Vertical Natural Tree Structures Sculptural Elements for Balance and Exploration



Natural Granite Boulders Locally Sourced and Natural













