



New Jersey State Cultural Complex

The new Administration in Trenton reached out to Landscape Architecture students to beautify the New Jersey State Capital Cultural Complex in Trenton. The initiative was spearheaded by Roseann Schomberg, Building Manager in the Department of Treasury and supported by Margaret O'Reilly, Executive Director of the NJ State Museum. Design proposals were presented at the State Auditorium on April 16 during World Landscape Architecture Month.

Students were asked to: respond to the complex's mid-century modern architecture; extend the museum exhibits outdoors (art, planetarium, dinosaur exhibits); refer to the larger site context (Delaware River and Trenton neighborhoods). Following are several design proposals.



New Jersey Capital Complex



NJ State Museum
Zoe Orfino, Michael Scott Bey



DINOSAUR DIG AREA

GRASS DISPLAY PLANTING

LEGISLATIVE BUILDING

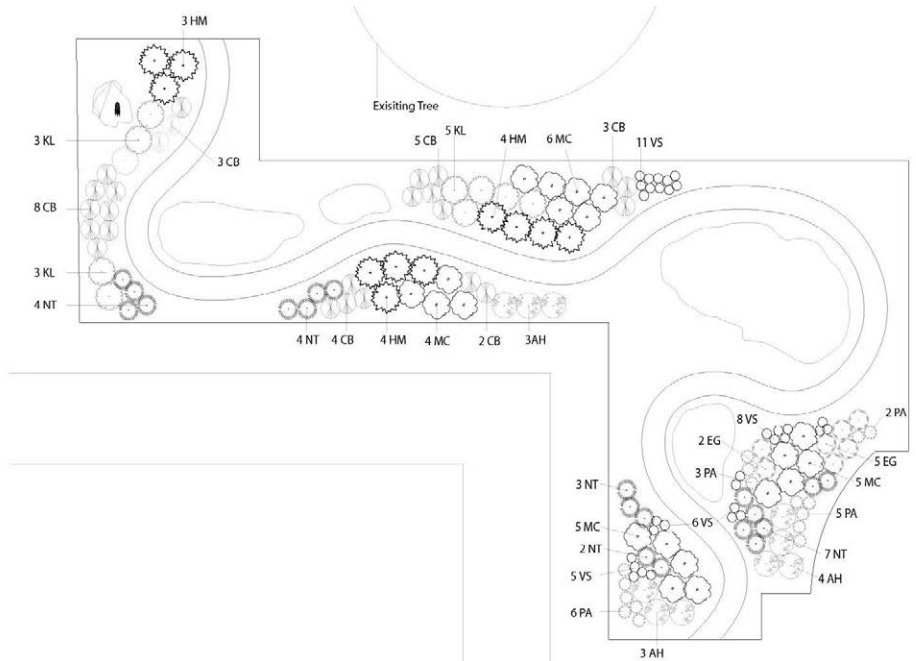
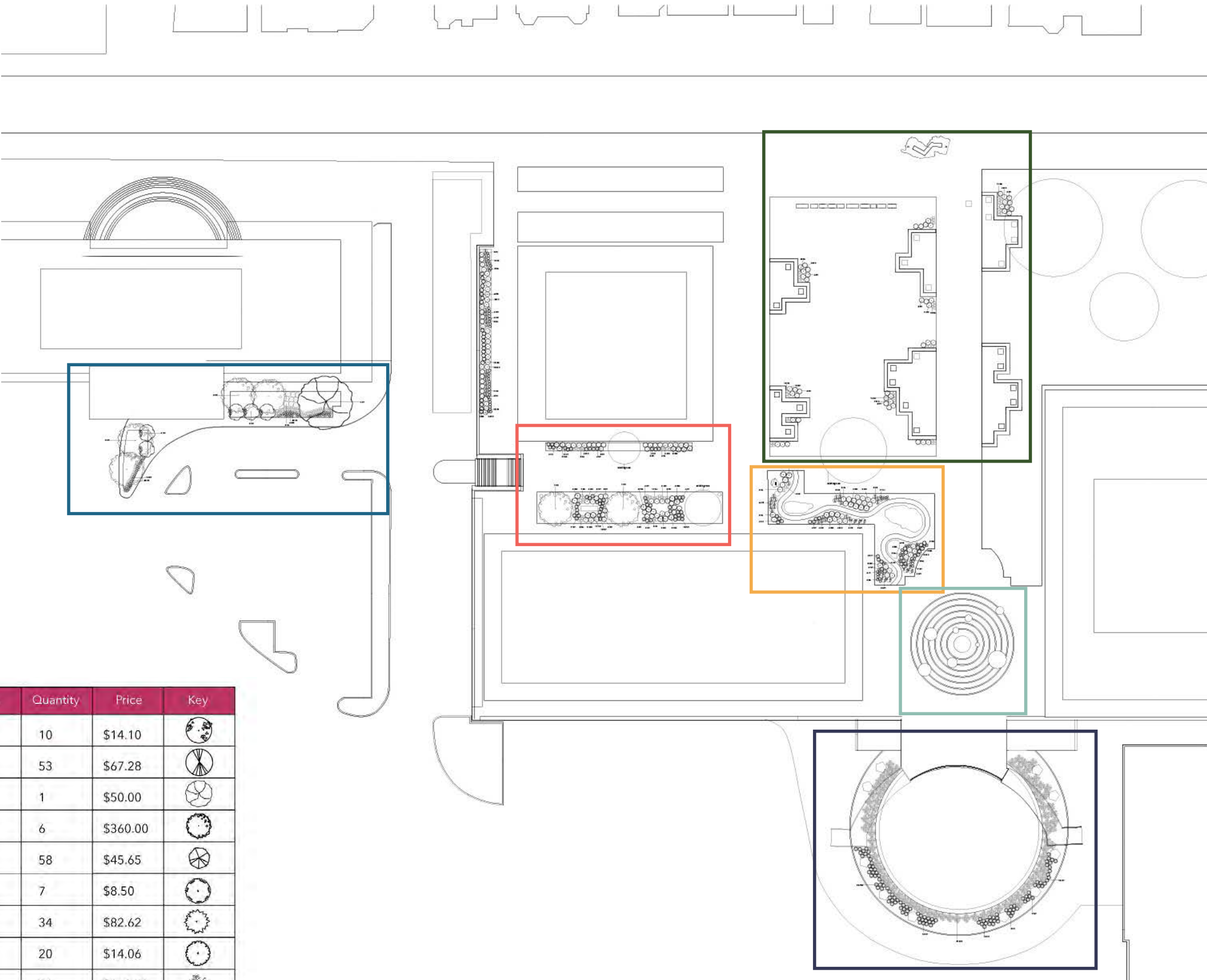
NJ GEOLOGY GARDEN

SOLAR SYSTEM PLAZA

#NJSMuseum & BUS STOP

Botanical Name	Common Name	Spread	Height	Abbr.	Quantity	Price	Key
<i>Amsonia hubrichtii</i>	Threadleaf bluestar	2-3'	3'	AH	10	\$14.10	
<i>Calamagrotis brachytricha</i>	Korean Feather Reed Grass	2'	4'	CB	53	\$67.28	
<i>Cornus florida</i>	Flowering Dogwood	30'	30'	CF	1	\$50.00	
<i>Cornus kousa</i> 'Rutpink'	Scarlet Fire Dogwood	20'	25'	CR	6	\$360.00	
<i>Echinacea purpurea</i> 'PowWow Wildberry'	Purple Coneflower	18"	24"	EP	58	\$45.65	
<i>Euthamia graminifolia</i>	Grass-leaved Goldrod	12-24"	3-4'	EG	7	\$8.50	
<i>Hakonechloa macra</i> 'Aureola'	Hakone Grass	3'	12'	HM	34	\$82.62	
<i>Kalmia latifolia</i> 'Elf'	Mountain Laurel	3'	4'	KL	20	\$14.06	
<i>Matteuccia struthiopteris</i>	Ostrich Fern	5'	4'	MS	86	\$168.56	
<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	2-3'	2-3'	MC	54	\$67.86	
<i>Nassella tenuissima</i>	Mexican Feather Grass	18-24"	18-24"	NT	182	\$212.94	
<i>Panicum virgatum</i> 'Northwind'	Switchgrass	2-3'	4-5'	PV	57	\$89.94	
<i>Pennisetum alopecuroides</i> 'Cassian'	Fountain Grass	18"	24"	PA	110	\$126.50	
<i>Vaccinium corymbosum</i>	Highbush Blueberry	8'	8'	VC	5	\$21.50	
<i>Viola sororia</i>	Common Blue Violet	4'	6"	VS	47	\$35.25	

Our design took inspiration of the idea of a museum and capitalized on the State Museum's exhibits. The museum is located on West State Street in Trenton, NJ. It sits adjacent to the State Library which is East of the Museum and sits directly behind the Museum's Auditorium. The main goal was to create interactive outdoor exhibits relating to the amount of history being told through the Museum. The proposed designs all take inspiration from the existing elements on site and become a memorable way kids and adults experience the New Jersey State Museum. This plan shows the red sign of the entire site. There are 6 separate spaces that have their own theme. The spaces are the dinosaur dig area, the grass display, the legislative building, the NJ geology garden, the solar system plaza, and the NJ Museum Bus stop.



DINOSAUR DIG AREA

The first area is the dinosaur dig area. This was inspired by the existing prehistoric rock showing the foot print of a dinosaur. It was originally located in front of the auditorium, but we proposed to move it closer to them using a path and create a dinosaur-themed path. This path has pockets of sand where kids can explore and see what it is like to be an archaeologist to discover faux bones of dinosaurs that are native to New Jersey.



Mexican Feather Grass



Hakone Grass



Common Blue Violet



Mountain Laurel



Grass-leaved Goldenrod



Threadleaf Bluestar



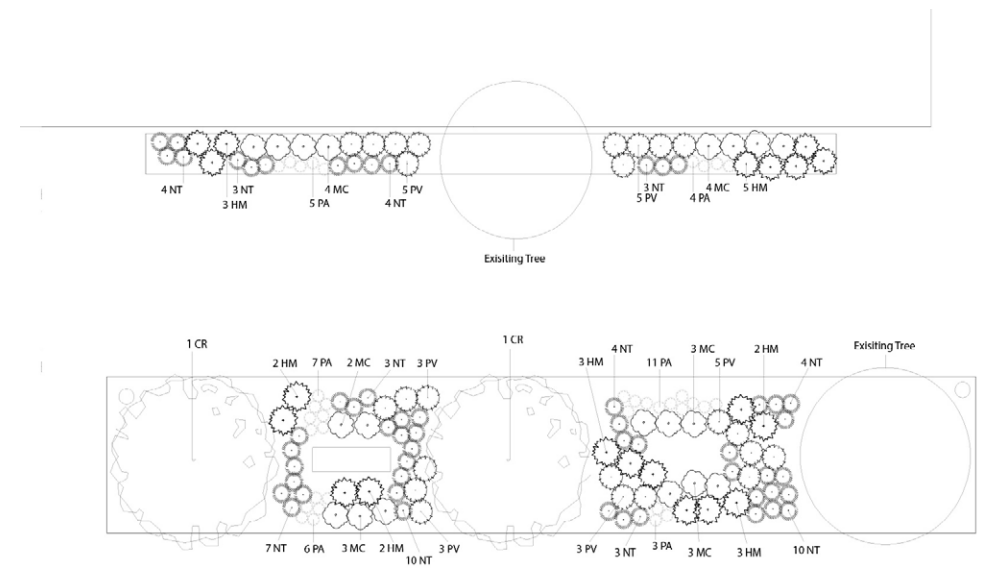
Korean Feather Reed Grass



Pink Muhly Grass



Fountain Grass



GRASS DISPLAY PLANTING



The second design area is located in between the front of the museum and the back of the auditorium. The museum already placed art sculptures and historical artifacts on this strip of lawn. We wanted to compliment the existing elements by proposing ornamental grasses such as pink muhly grass, Mexican feather grass, and Hakone grass to allow the textures and colors to frame the sculptures.



Mexican Feather Grass



Hakone Grass



Scarlet Fire
Dogwood



Mountain Laurel



Pink Muhly Grass



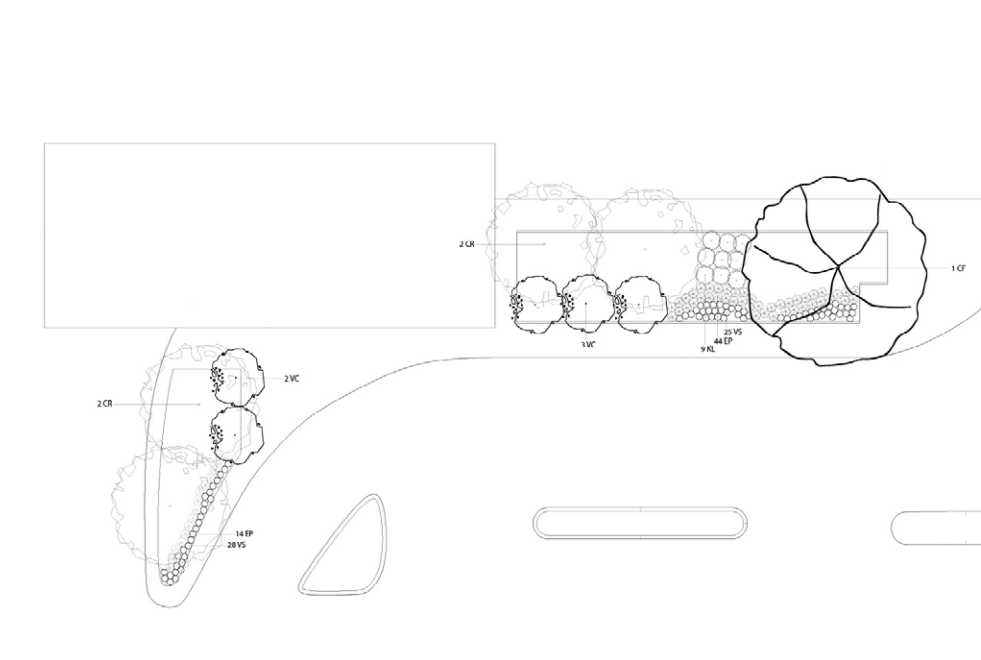
Thred leaf Bluestar



Korean Feather
Reed Grass



Fountain Grass



LEGISLATIVE BUILDING



That her design area isn't part of the museum, but was asked to be looked at since the Governor and the law makers are currently using the building while the state capitol is closed. We felt it still deserved at home and that there be some state pride. To do that, state plants are proposed such as the state ree, which is the flower in dogwood, the state fruit which is the highbush blueberry, and the state flower, which is the common blue violet.



Hakone Grass



Common Blue
Violet



Grass-leaved
Golden od



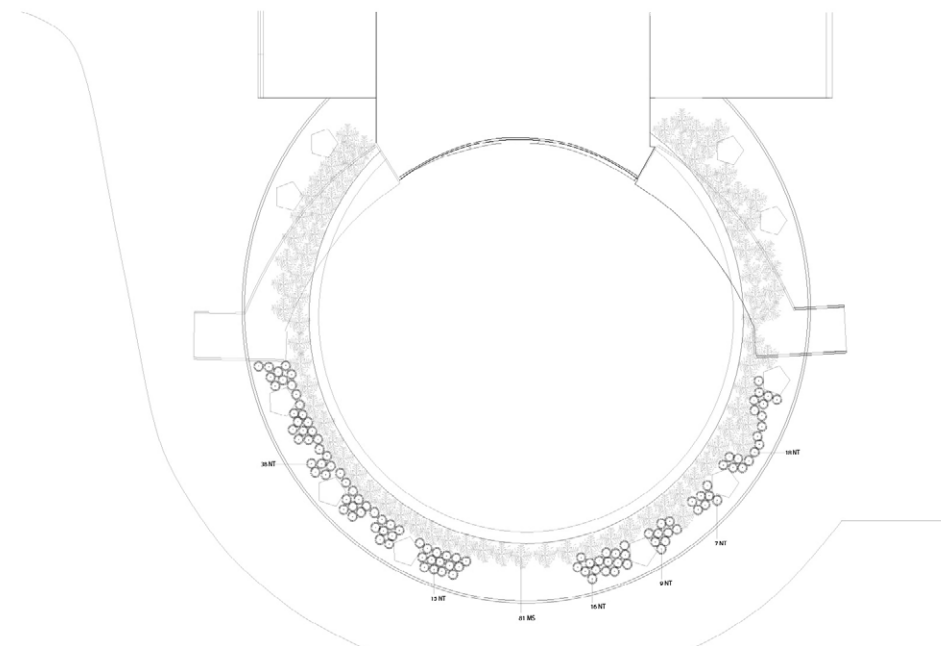
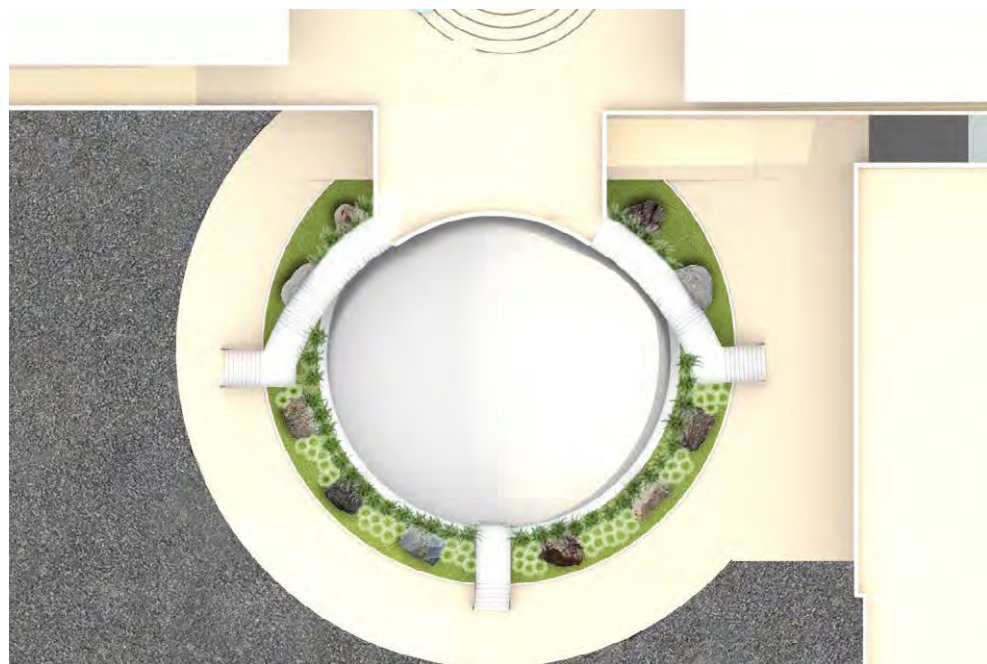
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Pink Muhly Grass



Fountain Grass



NJ GEOLOGY GARDEN

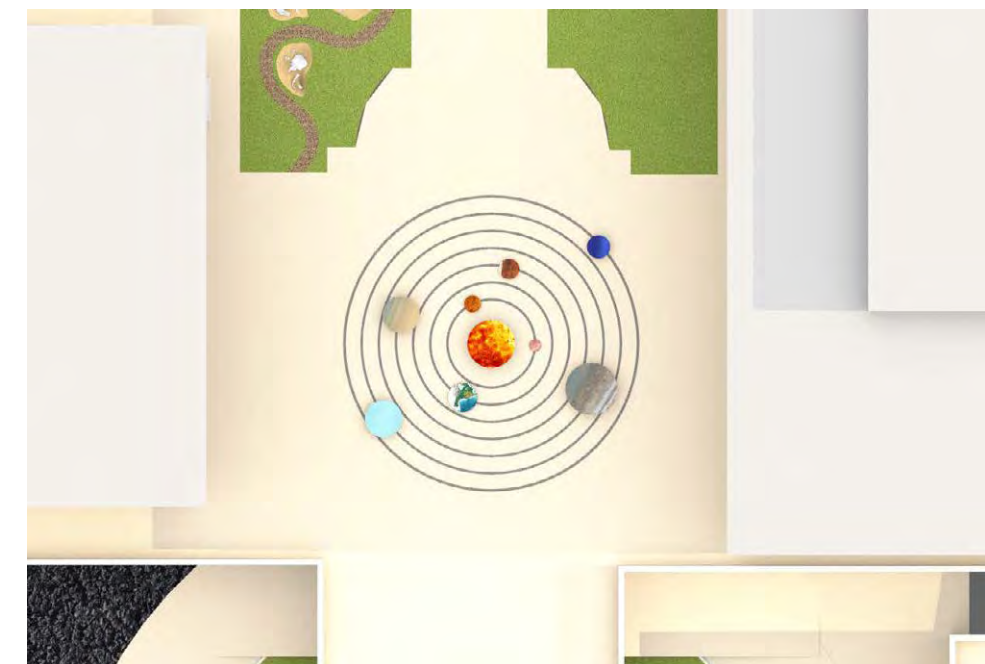
The fourth design area is around the planetarium. Behind the stairs, there are currently sleeper stones from New Jersey's old railways. The museum is currently moving the stones elsewhere so we wanted to extend the idea of a rock garden given there is very little sun exposure under the stairs. This idea of the rock garden extended around the entire planetarium features boulders of bedrock found all throughout New Jersey. At night, experiential lights can be seen cast on the boulders to create an eye capturing view from route 29.



Ostrich Fern

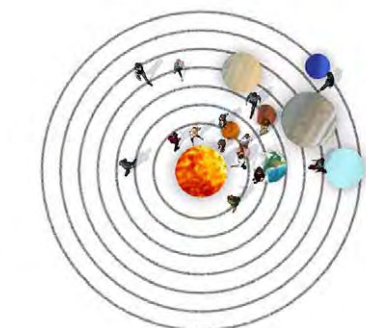


Mexican Feather Grass

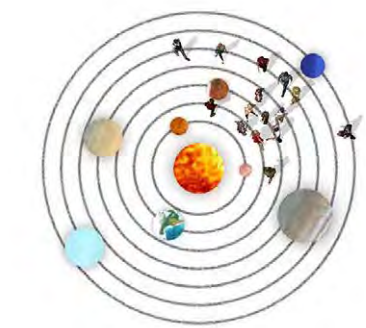


SOLAR SYSTEM PLAZA

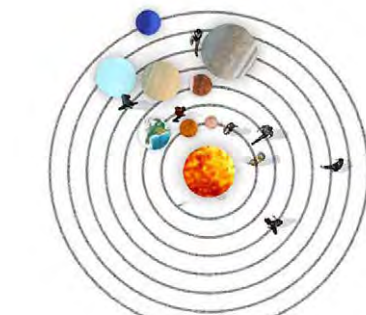
The fifth design area is directly inspired by the planetarium. The solar system plaza is a 3D mural featuring interactive structures where kids can learn about the size and position of the planets in our solar system in relation to each other.



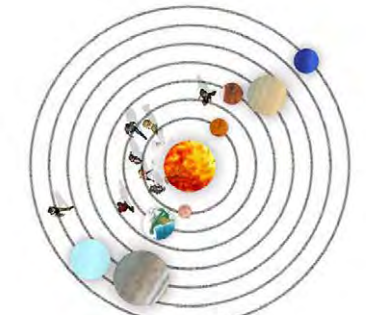
Position 1



Position 2



Position 3



Position 4



Calder Garden

Axel Gonzalez & Jessica Thorning

The Calder Garden is the heart of our idea, inspired by the great American sculptor, Alexander Calder. Inspiration from this site is drawn from the initial exploration of a singular sculpture already on the site, El Sol Rojo by Calder. Delving into this sculpture, more of Calder's work and history was found. Celebrating this New Jersey-educated artist was important for this design. Looking farther back into New Jersey's history, the prehistoric era became a huge factor in our inspiration for plant selection and interactive play structures. These ideas together bring you the Calder Garden.

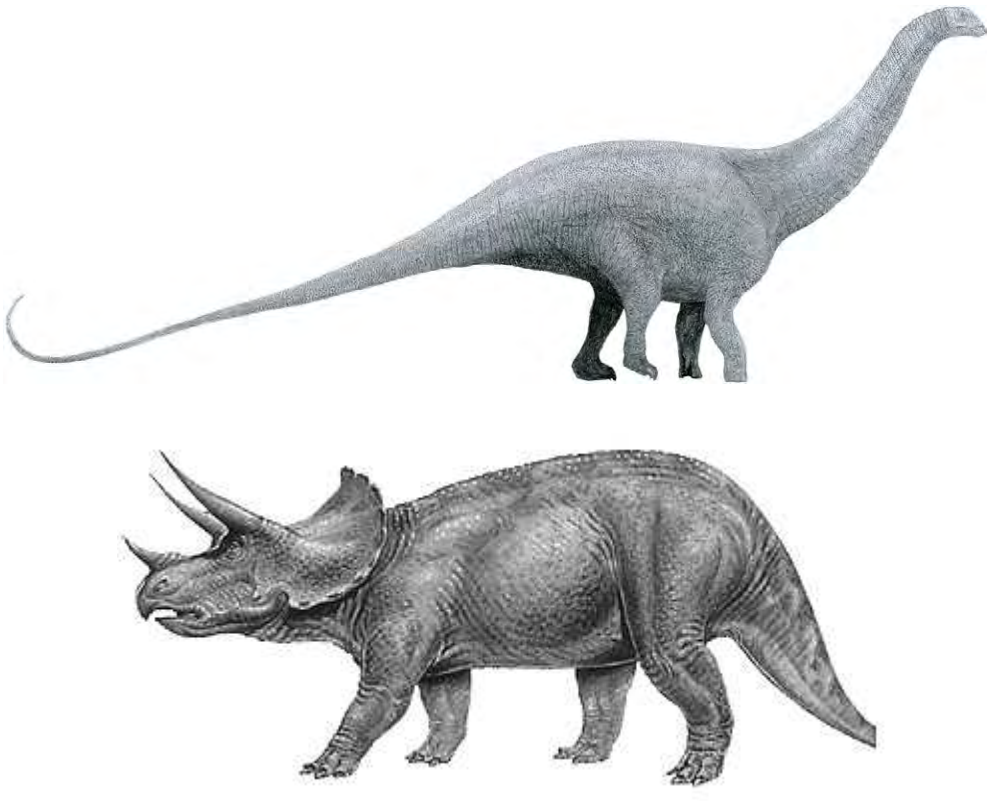
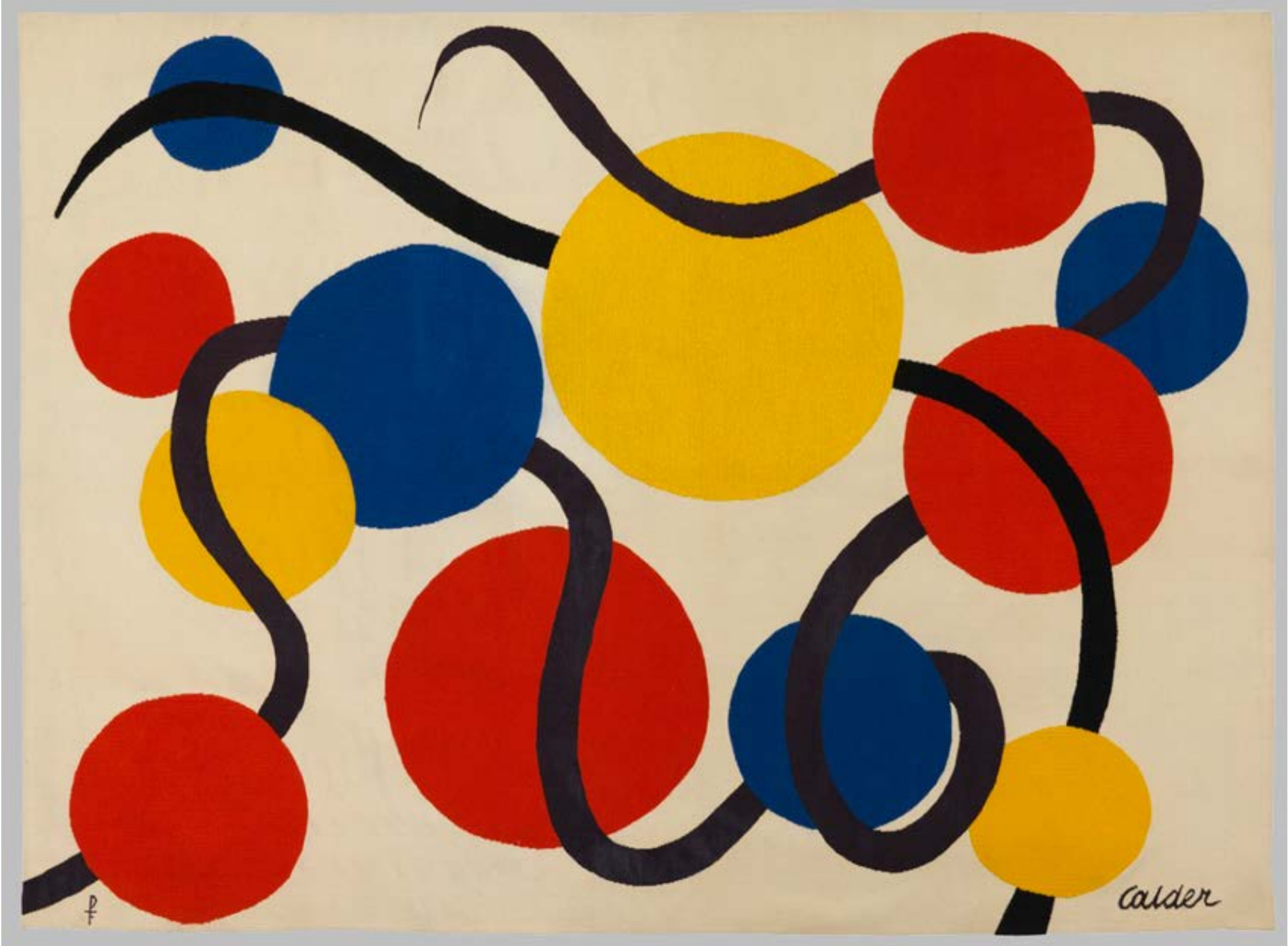


Calder Garden Conceptual Plan

Plan



Inspiration



Section



Calder Garden Perspective



Play Structure Perspective



Planetarium Perspective



Plant Palette



Sassafras albidum
Sassafras



Metasequoia glyptostroboides
Dawn Redwood



Cotinus obovatus
Smoke Tree



Leucothoe fontanesiana
Drooping Laurel



Viburnum rhytidophyllum
Leatherleaf Viburnum



Hosta plantaginea
Hosta



Dicentra eximia
Bleeding Heart



Berginia cordifolia
Pigsqueak



Aruncus dioicus
Goat's Beard



Heuchera Americana
Coral Bells



Ginkgo biloba
Ginkgo Tree



Polystichum acrostichoides
Christmas Fern



Asimina triloba
Pawpaw



Iris cristata
Dwarf Crested Iris



Iris versicolor
Blue Flag Iris



Iris germanica
German Bearded Iris



Blechnum spicant
Deer Fern



Actaea racemosa
Black Cohosh



Agastache foeniculum
Anise Hyssop



Liatris spicata
Blazing Star



Rhus typhina
Stag Horn Sumac



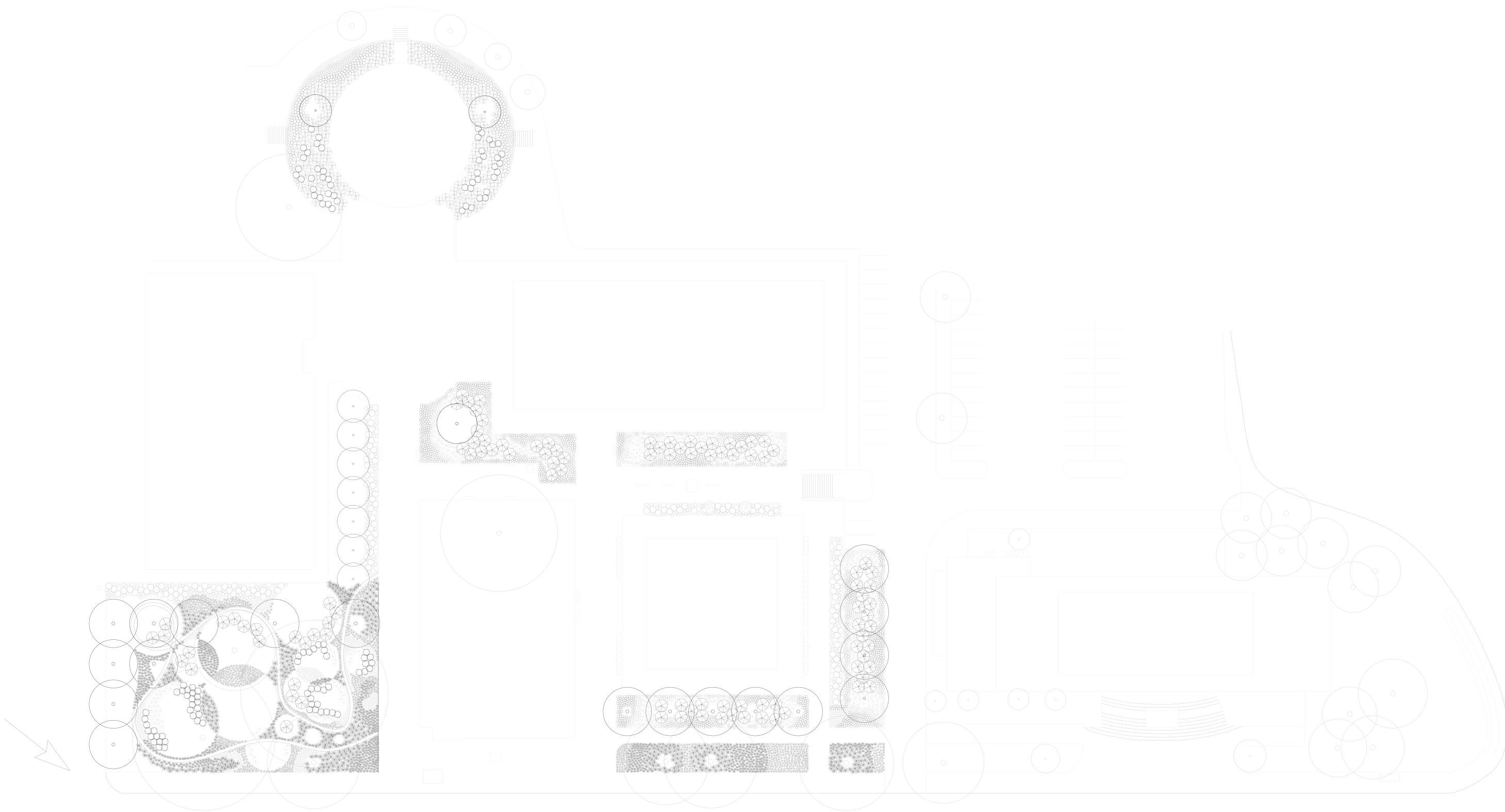
Dennstaedtia punctilobula
Hay-scented Fern

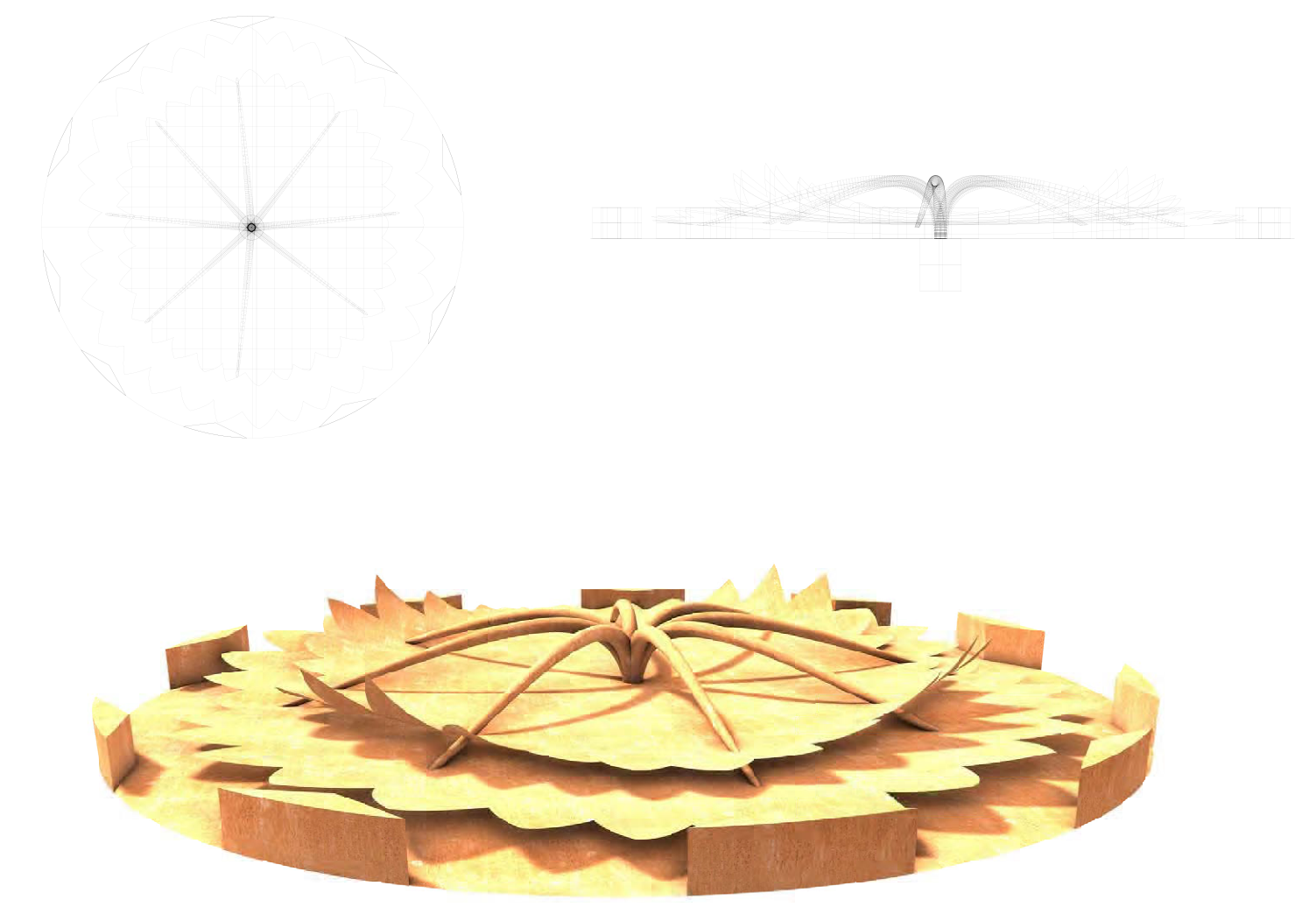
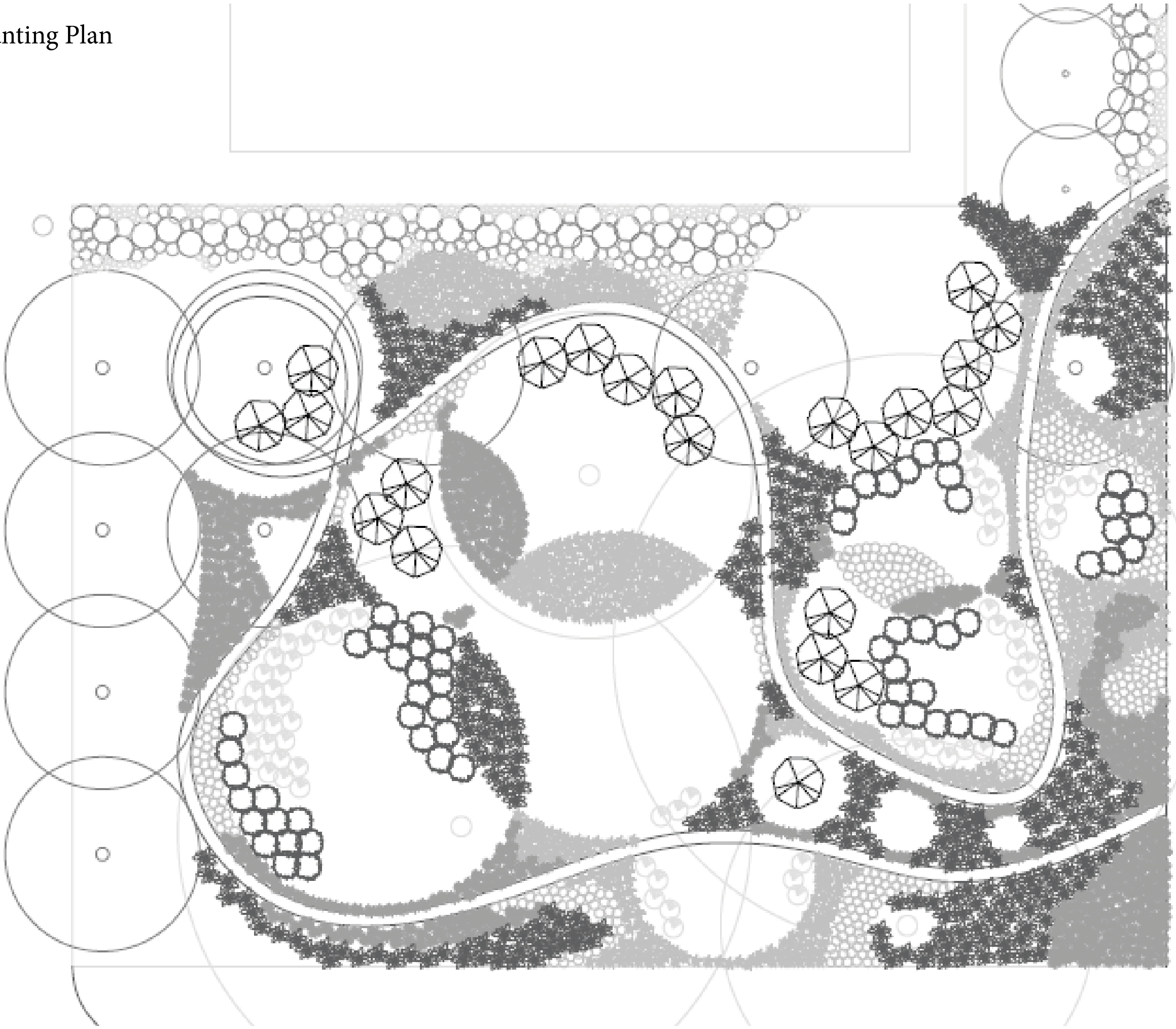
Plant Schedule

Quantity	Symbol	Botanical Name	Common Name	Height	Spread	Price per Plant	Total	Phase 1	Phase 1 Sum
7	AT	Asimina triloba	Paw Paw	15-30	15-30	\$41.00	\$287.00	7	\$287.00
9	SA	Sassafras albidum	Sassafras	30-60	25-40	\$41.00	\$369.00	9	\$369.00
2	RT	Rhus typhina	Staghorn Sumac	15-25	20-30	\$41.00	\$82.00		
1	MG	Metasequoia glyptostroboides	Dawn Redwood	70-100	15-25	\$41.00	\$41.00		
5	GB	Ginkgo biloba	Ginkgo	50-80	30-40	\$41.00	\$205.00		
4	CO	Cotinus obovatus	American Smoke Tree	20-30	20-30	\$18.50	\$74.00		
332	LF	Leucothoe fontanesiana "Rainbow"	Rainbow Drooping Laurel	2-3	2-3	\$18.50	\$6,142.00	441	\$8,158.50
102	VR	Viburnum rhytidophyllum	Leatherlead Viburnum	6-10	6-10	\$18.50	\$1,887.00	22	\$407.00
346	HA	Heuchera americana	Coral Bells	1-2	1-1.5	\$9.25	\$3,200.50		
1038	HP	Hosta plantaginea	Hosta	1-1.5	1.5-2	\$9.25	\$9,601.50	467	\$4,319.75
892	DE	Dicentra eximia	Bleeding Heart	1-1.5	1-1.5	\$9.25	\$8,251.00		
782	BC	Bergenia cordifolia	Pigsqueak	1-1.5	1-1.5	\$9.25	\$7,233.50		
144	AD	Aruncus dioicus	Goat's Beard	2-4	4-6	\$9.25	\$1,332.00		
976	IC	Iris cristata	Dwarf Crested Iris	.5-.75	.5-1	\$9.25	\$9,028.00	328	\$3,034.00
372	IV	Iris versicolor	Blue Flag Iris	3	2	\$9.25	\$3,441.00		
42	IG	Iris germanica	German Bearded Iris	3	2	\$9.25	\$388.50	23	\$212.75
113	AR	Actaea racemosa	Black Cohosh	4-6	2-4	\$9.25	\$1,045.25	62	\$573.50
127	AF	Agastache foeniculum	Anise hyssop	2-4	1.5-3	\$7.00	\$889.00	74	\$518.00
291	LS	Liatris spicata	Blazing Star	3-5	2	\$7.00	\$2,037.00	163	\$1,141.00
495	DP	Dennstaedtia punctilobula	Hay-scented Fern	1.5-2	2-3	\$7.00	\$3,465.00	348	\$2,436.00
1098	PA	Polystichum acrostichoides	Christmas Fern	1-2	1-2	\$7.00	\$7,686.00	736	\$5,152.00
823	BS	Blechum spicant	Deer Fern	.75-1.5	1-2	\$7.00	\$5,761.00	546	\$3,822.00
\$72,446.25								\$30,430.50	

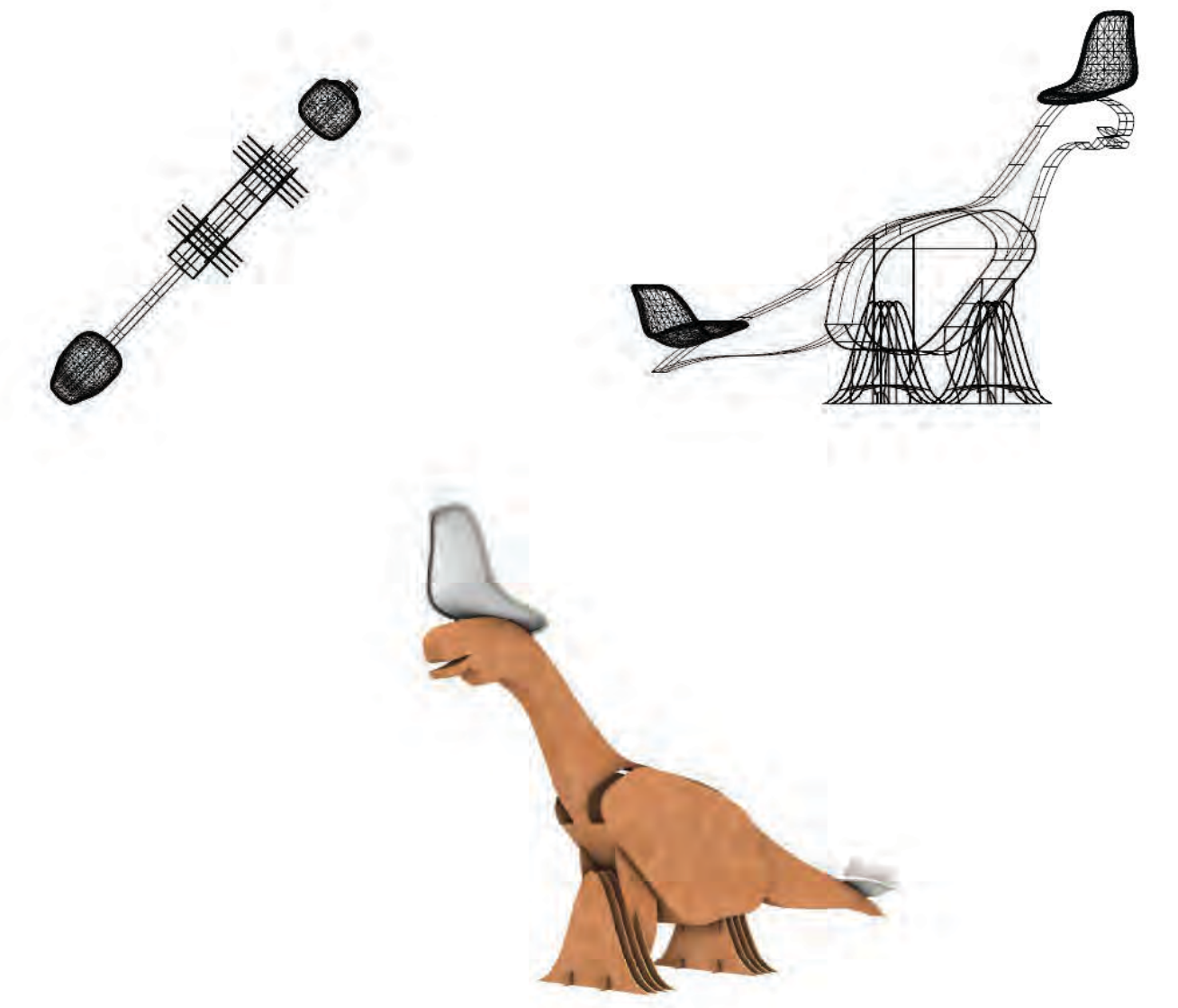
This plan is designed to be phased in. Phase one specifically includes the entire Calder Garden and Paw Paw Grove plant material. Since this is the anchor of our site, it would be the first plan to elad off construction, while other gardens start to fill in and blend the exisitng and proposed site in.

Planting Plan





The front lawn features a Triceratops merry-go-round, an interactive play sculpture that ties in the inspiration from the prehistoric era with the style and form of Calder's sculptures. The Triceratops merry-go-round has layers of seating and surfaces to hang on to, as well as protective measures from falling off of the play equipment.



The Brachiosaurus seesaw was created to make a comfortable and accesible play experience. The seesaw features seats with backing, specifically inspired by the Eames chair, that sit on top of a dino seesaw body. These two sculptures were created to further inspire more artists to participate in the movement of playful art in this area and hopefully spark interest in the strong history of New Jersey.

Re-Emerging History

Katherine Rodriguez & Adriana Hall

Our inspiration for this design is the Mid-Century Modernist Architecture of the Cultural Complex and the urban history of the community of Trenton. Trenton today is a majority minority city with the demographics being 50% Black, 37% Hispanic. White flight occurred after the Holy Week Uprising, a wave of civil disobedience following Martin Luther King's assassination in 1968. The Trenton uprising was centered at the Battle Monument neighborhood (half a mile away) and right here in downtown.

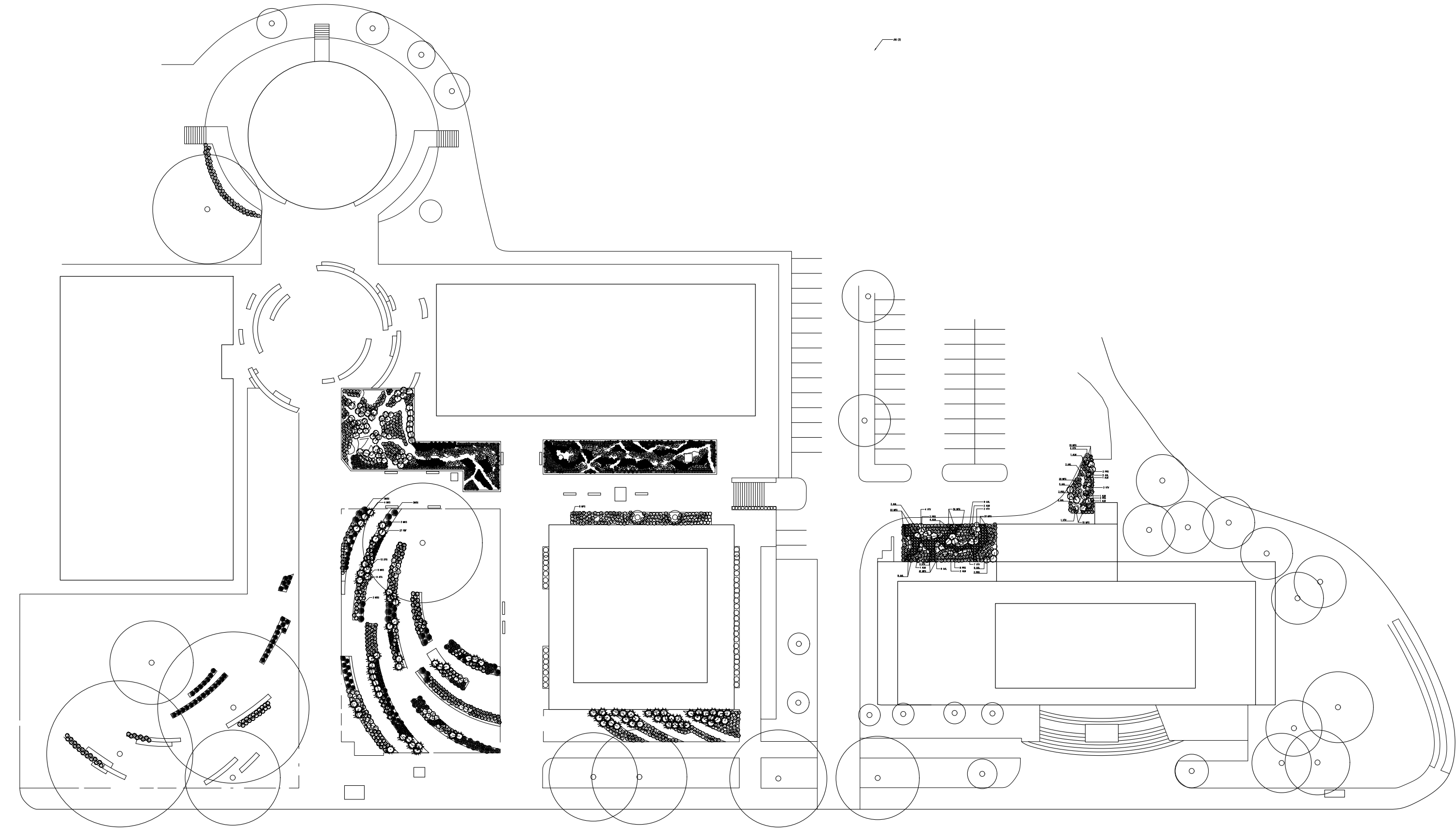
Mid-century modernist architecture is associated with urban renewal which occurred during that time period in the U.S. Urban renewal projects often uprooted minority neighborhoods, so our design addresses the often uncomfortable connection between Mid-Century Modernist architecture and these communities. Typically, a designer would take the material of the buildings, white marble, and extend that white marble into the landscape. Instead, we turn this history inside out--extending the black marble of the Council of the Arts building into the front yard of the NJ Cultural Complex. This black marble has light brown veining that represents the demographics of Trenton today.

PLAN SLIDE:
Paving Pattern - The colored pavement (that goes from black to grey) featured in the lawn spaces and painted on the existing concrete represents the communities rising from urban renewal.

Marble - The black and brown River Jack gravel paths shaped like the marble's veins that cut through the flower beds represent the communities that are the "veins" or backbone of Trenton. Alternatively, these river stones also represent the Delaware River and its importance to the site.



PLAN



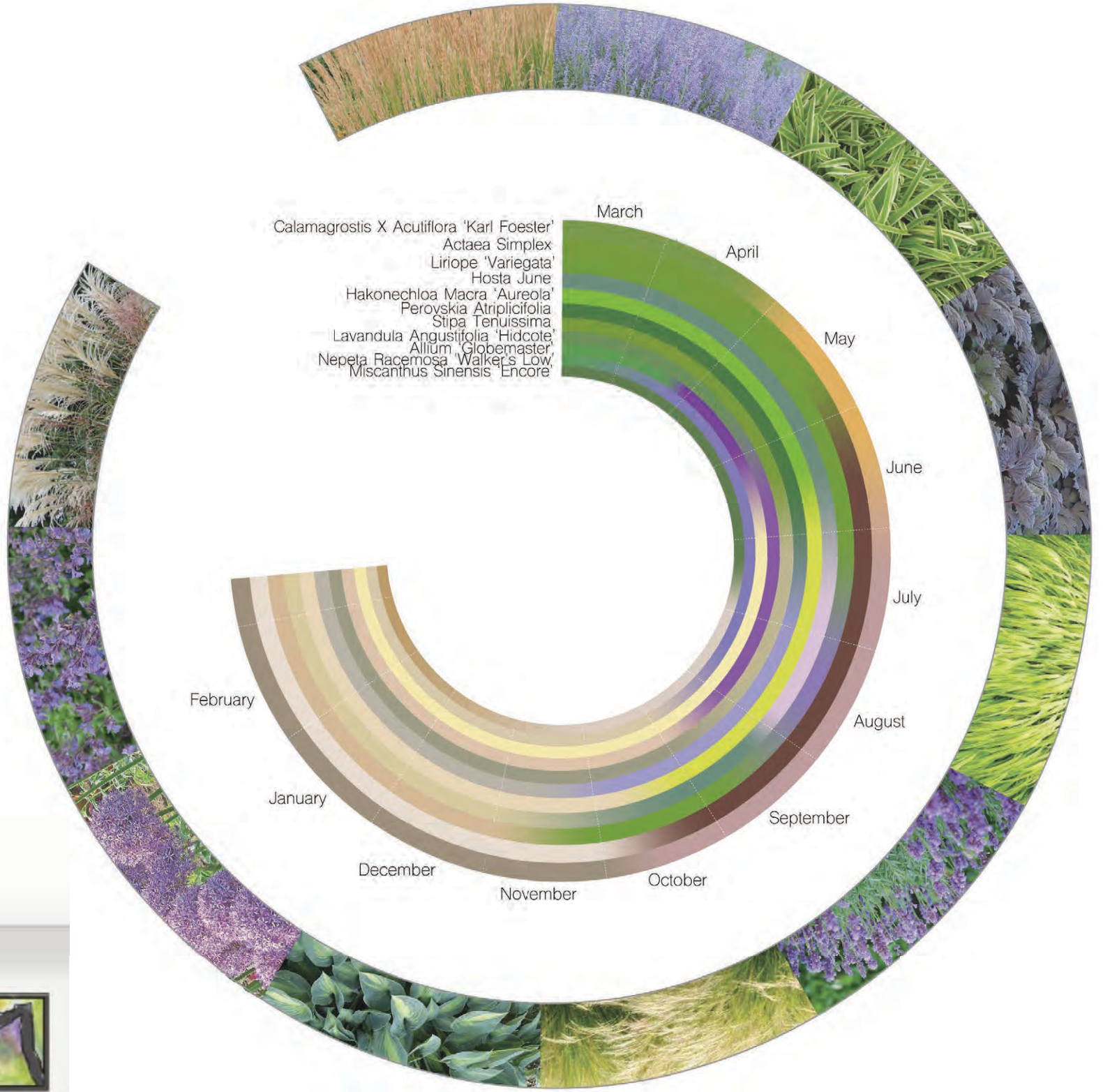
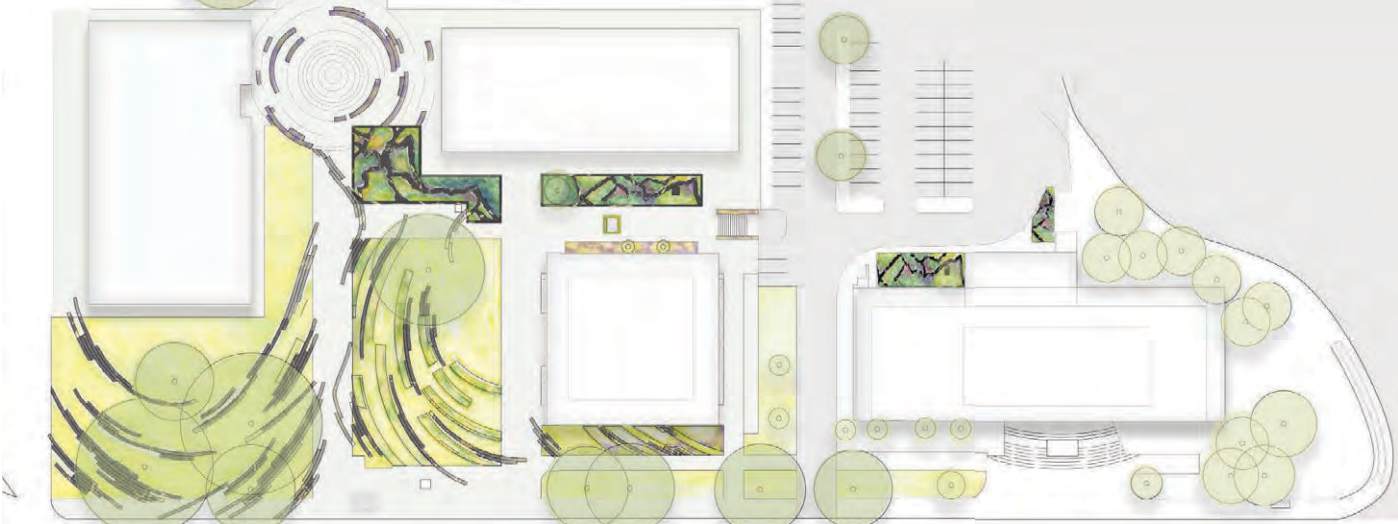
	SYMBOL	BOTANICAL NAME	COMMON NAME	PRICE	HEIGHT, WIDTH	SIZE	SOIL TYPE	TOLERANCE	PLANTING DIRECTIONS	BLOOM COLOR	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY
24	ASB	Actaea simplex "Chocoholic"	Bugbane	\$11.50	3'-4', 2.5'-3'	2 L	Average	Black Walnut	Cut back after flowering and divide congested clumps in autumn or spring.	White						x	x					
54	AAL	Agapanthus "Northern Star"	African Lily	\$12.98	2'-3', 1'-2'		Well-Drained	Heat, Wet, High Humidity	Cut back stems close to ground level from late February through to the end of March.	Bluish Purple				x	x	x						
	AAA	Agapanthus africanus "Albus"	White African Lily	\$12.98	2'-3', 3'-4'		Well-Drained	Deer, Rabbit, Salt	Cut back stems close to ground level from late February through to the end of March.	White					x	x	x					
210	AGO	Allium "Globemaster"	Ornamental Onion		1.5'-2.5', 1'-1.5'		Average	Deer, Drought, Black Walnut	Cut allumdown to ground level after the foliage turns yellow in late summer	Purple			x									
	ASR	Allium sphaerocephalon	Round-Headed Leek		2'-3', 1'-1.5'		Well-Drained	Deer, Drought, Black Walnut	After they have finished blooming let the foliage die back naturally	Fuchsia/Purple				x	x							
	AKW	Anemone x hybrida "Konigin Charlotte"	Windflower	\$9.50	2'-3', 2'-2.5'	2 L	Well-Drained	Deer	Cut back the stalks after the flowers have faded	Pink and White						x	x					
14	ALM	Artemisia lactiflora	White Mugwort	\$6.50	3'-5', 2'-3'	0.7 L	Average	Rabbit, Deer, Drought	Cut back in early summer to prevent legginess. Cut back to basal foliage after flowering in the fall	White						x	x					
	ASH	Asplenium scolopendrium	Hart's Tongue Fern		1'-1.5', 1'-1.5'	1-2 L	Well-Drained	Rabbit, Heavy Shade	Pruning Dead or damaged fronds may be removed as necessary	N/A												
80	AFA	Aster x trikanti "Jungfrau"	Aster	\$7	1.5'-2', 1.5'-2'	2 L	Average	Rabbit, Deer, Drought	Cut stems to the ground in early spring before new growth appears	Purple				x	x	x	x					
	CFA	Calamagrostis x acutiflora	Feather Reed Grass	\$10.25	3'-5', 1.5'-2.5'	3.8 L	Average	Erosion, Wet Soil, Black Walnut, Air Pollution	Cut back to about 6" in late winter or very early spring	Tan			x	x	x	x	x	x	x	x	x	x
165	DTG	Deschampsia cespitosa	Tufted Hair Grass		2'-3', 1'-2'	3.8 L	Well-Drained	Black Walnut, Air Pollution	Cut back old stems to the ground in early spring before growth resumes	Tones of gold, silver, purple and green					x	x	x					
	EC	Echinacea "Secret Pride"	Coneflower	\$7	2'-3', 1'-2'		Well-Drained	Clay Soil, Deer, Drought, Rocky Soil	Remove spent flowers and cut back the stems to encourage further blooms and reduce self-seeding. Deadheading will help them grow and thrive	White				x	x	x	x					
170	FBF	Festuca glauca "Elijah Blue"	Blue Fescue	\$8	0.75'-1', 0.5'-0.75'	4 L	Average	Drought, Rocky Soil, Black Walnut, Air Pollution	Cut back foliage in early spring to 3-4" to tidy clumps and to facilitate emergence of the new leaf blades	White/Tan				x	x							
514	HMA	Hakonechloa macra "Aureola"	Japanese Forest Grass	\$12.95	1'-1.5', 1'-1.5'	3.8 L	Well-Drained	Black Walnut, Air Pollution	Cut back foliage to the ground in late winter or early spring before the new shoots appear. Provide winter mulch	Yellow-green					x	x						
	HRS	Hosta "Royal Standard"	Hosta	\$9.25	1.5'-2', 3'-5'	4.5 in	Well-Drained	Heavy Shade, Black Walnut	Remove spent foliage as required and clear up dead foliage when it dies back at the end of the growing season	White					x	x						
59	HJ	Hosta june	Hosta	\$11.75	0.75'-1', 2'-2.5'	4.5 in	Well-Drained	Heavy Shade, Black Walnut	Remove spent foliage as required and clear up dead foliage when it dies back at the end of the growing season	Pale Lavender					x	x						
400	LEL	Lavandula angustifolia "Hidcote"	English Lavender	\$9	1'-1.5', 1'-1.5'		Average	Rabbit, Deer, Drought, Rocky Soil, Air Pollution	Prune them immediately after flowering by cutting below the flower wands, well into the foliage beneath, leaving 1 to 2 in.	Purple				x	x	x						
	LL	Liriope muscari "Variegata"	Lilyturf	\$5.25	1'-1.5', 1'-2'	2.4 L	Well-Drained	Rabbit, Deer, Drought, Erosion, Air Pollution	As soon as the plant starts to grow, any trimming will cut the new tips and the plant will be disfigured for the rest of the year	Purple						x						
23	MOG	Miscanthus sinensis "Encore"	Ornamental Grass	\$10.25	6'-6.5', 4'	3.8 L	Poor/Average	Salt, Deer	If you leave the trimming until spring try to make sure to cut them back to the ground (you can leave a couple of inches) by late spring, before new growth begins	Tan							x	x				
82	MKG	Miscanthus sinensis "Kleine Silberspinne"	Maiden Grass	\$10.25	3'-4', 2'-3'	3.8 L	Well-Drained	Drought, Salt, Deer, Rabbit	If you leave the trimming until spring try to make sure to cut them back to the ground (you can leave a couple of inches) by late spring, before new growth begins	Pink and tan						x	x	x	x	x	x	x
32	NWL	Nepeta racemosa "Walker's Low"	Catmint	\$7	2'-2.5', 2.5'-3'		Average	Deer, Drought, Rocky Soil, Air Pollution	Cut back just above ground-level in mid-spring after the first flush of blooms	Purple		x	x	x	x	x	x					
71	PCS	Panicum virgatum "Cloud Nine"	Switchgrass	\$10.25	5'-7', 2'-3'	3.8 L	Average	Drought, Erosion, Black Walnut, Air Pollution	Old foliage should be cut back in spring before new growth appears	Golden Yellow					x	x	x	x	x	x	x	x
48	PRS	Perovskia atriplicifolia	Russian Sage	\$8.50	3'-5', 2'-4"	3.5 in	Well-Drained	Rabbit, Deer, Drought, Clay Soil, Air Pollution	When new spring growth emerges, cut the old stems back to just above the lowest set of leaves. If the plant begins to spread open or sprawl in late spring or summer, shear off the top one-third of the stems to encourage upright growth.	Purple					x	x	x	x				
	PSS	Polystichum setiferum	Soft Shield Fern		2'-3', 2'-3'	2 L	Well-Drained	Heavy Shade, Dry Soil	Cut plants back in winter to create space for spring bulbs, or leave in place until April when new fronds appear	N/A							x	x	x	x	x	
15	SLB	Schizachyrium scoparium	Little Bluestem	\$9.25	2'-4', 1.5'-2'	1 L	Well-Drained	Deer, Drought, Erosion, Rocky Soil, Black Walnut, Air Pollution	When to cut back: before the new growth starts to appear, but after the cold weather is over. Cut back to about 3-4" from the crown of the plant	Purplish Bronze						x	x	x	x	x	x	
43	SPD	Sporobolus heterolepis	Prairie Dropseed	\$9	2'-3', 2'-3'	3.5 in	Average	Deer, Drought, Erosion, Rocky Soil, Black Walnut, Air Pollution	It should not be cut back until early spring, before new growth begins. At that time, it can be cut down to the ground	Pink and brown-tinted						x	x	x				
	SFG	Stipa barbata	Silver Feather Grass	\$16.84	2'-3', 1'-3'	2 L	Well-Drained	Drought, Deer	Cut back once to keep more compact	Silver					x	x	x					
548	MFG	Stipa tenuissima	Mexican Feather Grass	\$6.95	1'-2', 1'-2'	2 L	Well-Drained	Drought, Rabbit, Deer	Deep watering once or twice monthly is a good idea during the summer. Cut down old foliage in early spring.	Silvery White			x	x	x	x	x	x				
63	VTV	Verbena bonariensis	Tall Verbena	\$15	3'-6', 1'-3'	3.5 in	Well-Drained	Drought, Rabbit, Deer	Cut back all stems by half or, if the plants have become bare at the base, prune hard to within 15cm (6in) of ground level.	Pinkish Purple				x	x	x	x	x	x	x		
Additional Information																						
Spaces left in between the plantings (i.e. the marble "veins") are to be filled with black and brown river stone pebbles to commemorate minority communities being the backbone of Trenton																						



FRONT LAWN



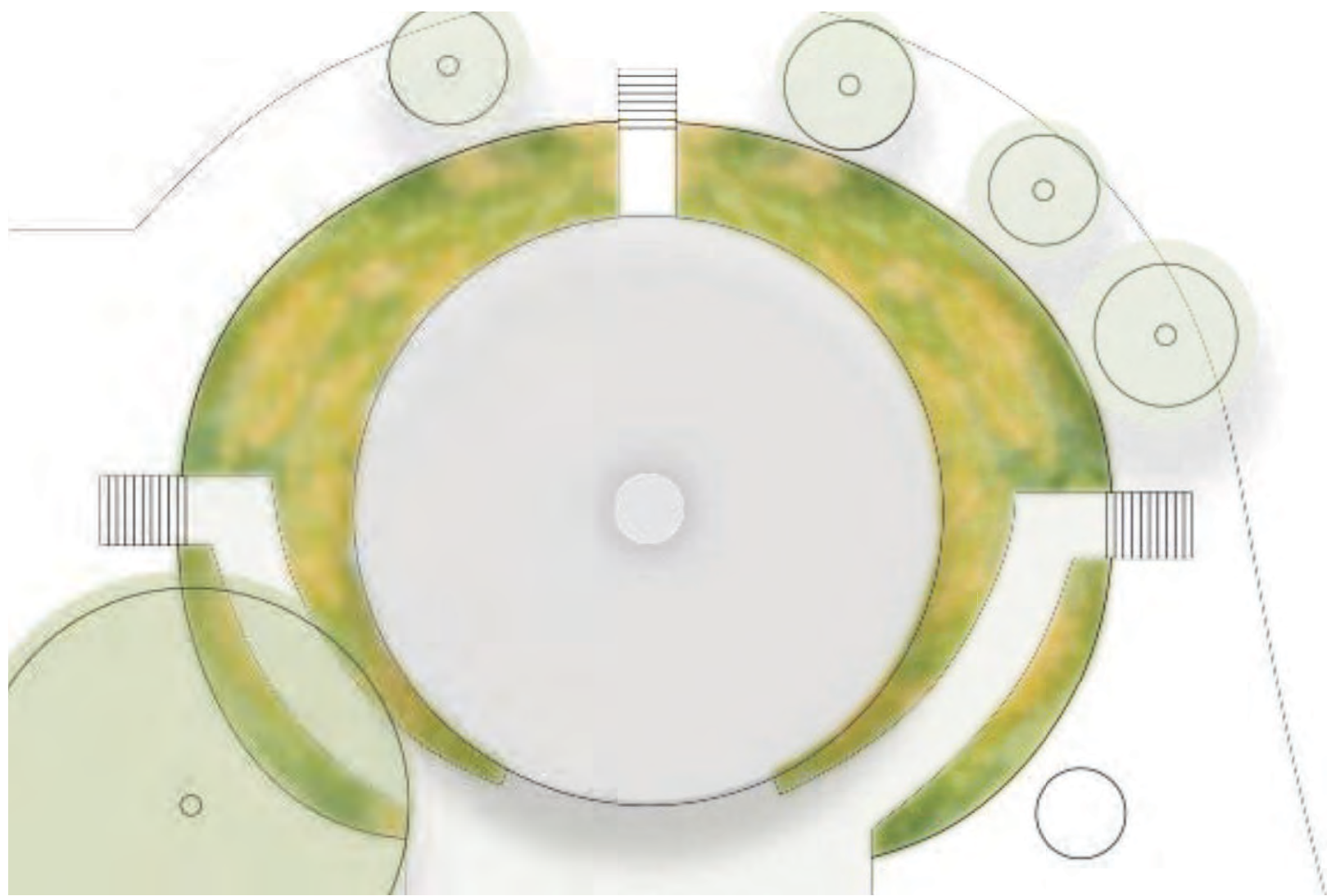
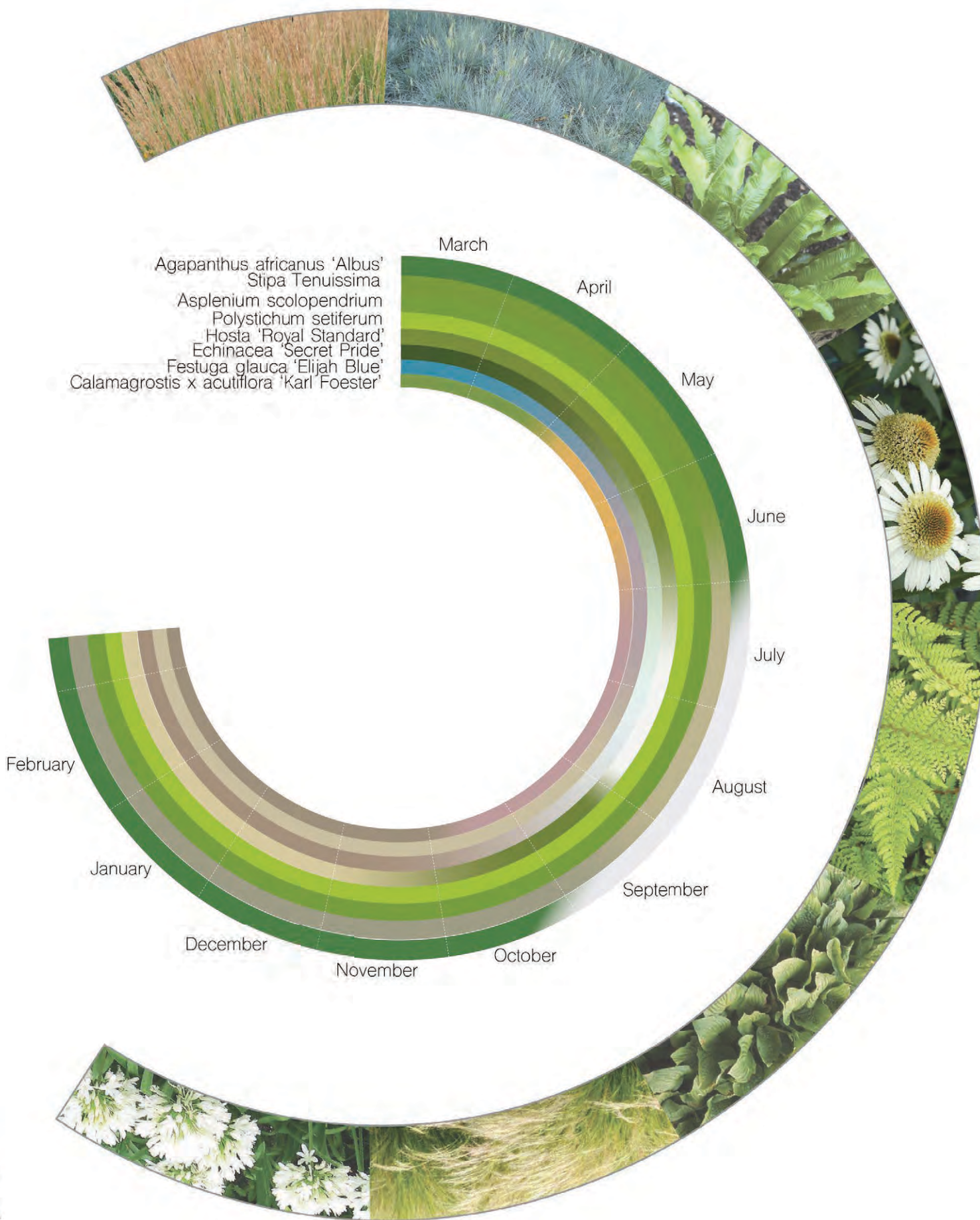
STATE MUSEUM

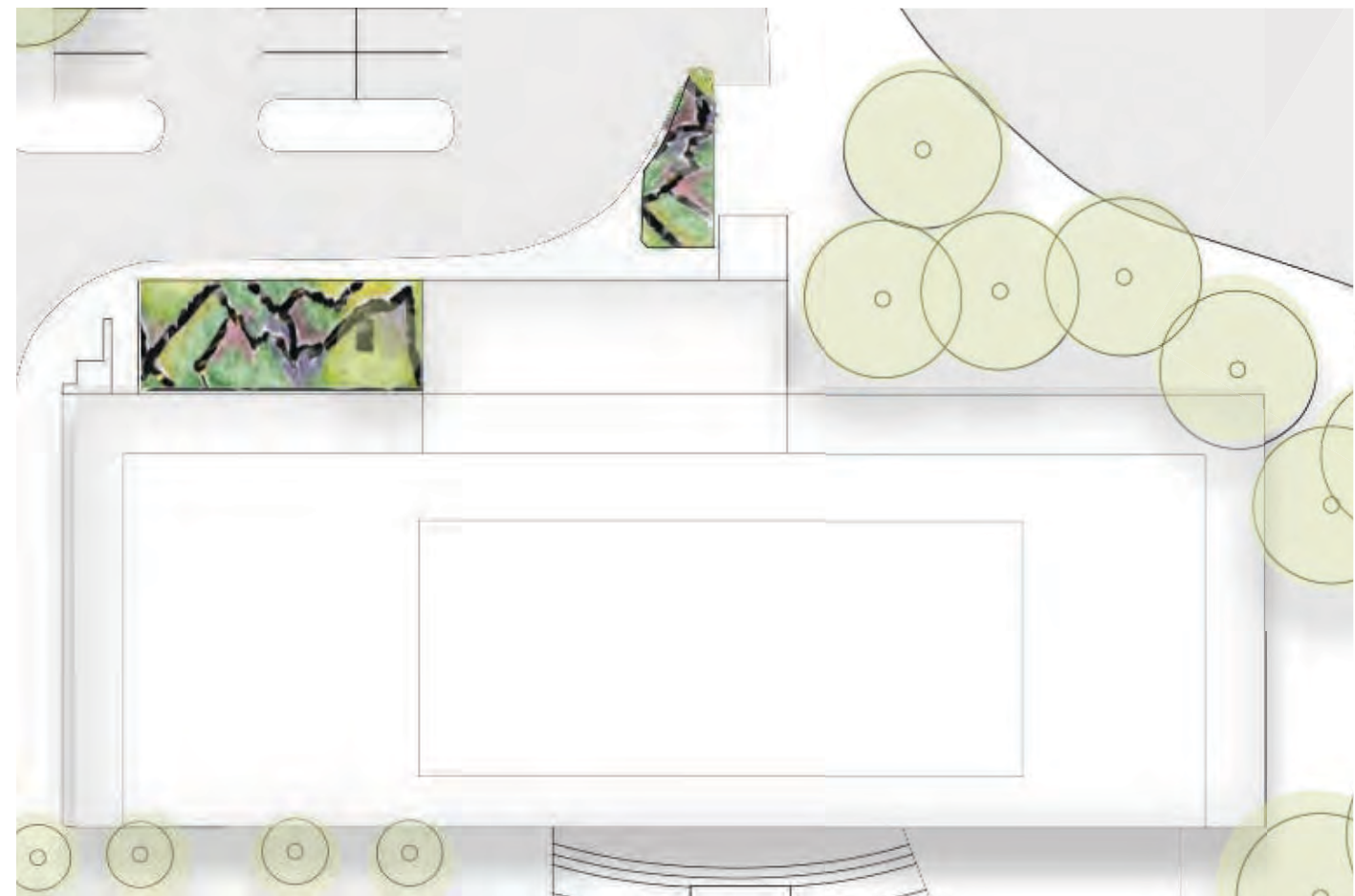


- Calamagrostis X Acutiflora 'Karl Foester'
- Actaea Simplex
- Liriope 'Variegata'
- Hosta June
- Hakonechloa Macra 'Aureola'
- Perovskia Atropurpurea
- Stipa Tenaxissima
- Lavandula Angustifolia 'Hidcote'
- Allium 'Globemaster'
- Nepeta Racemosa 'Walker's Low'
- Miscanthus Sinensis 'Encore'

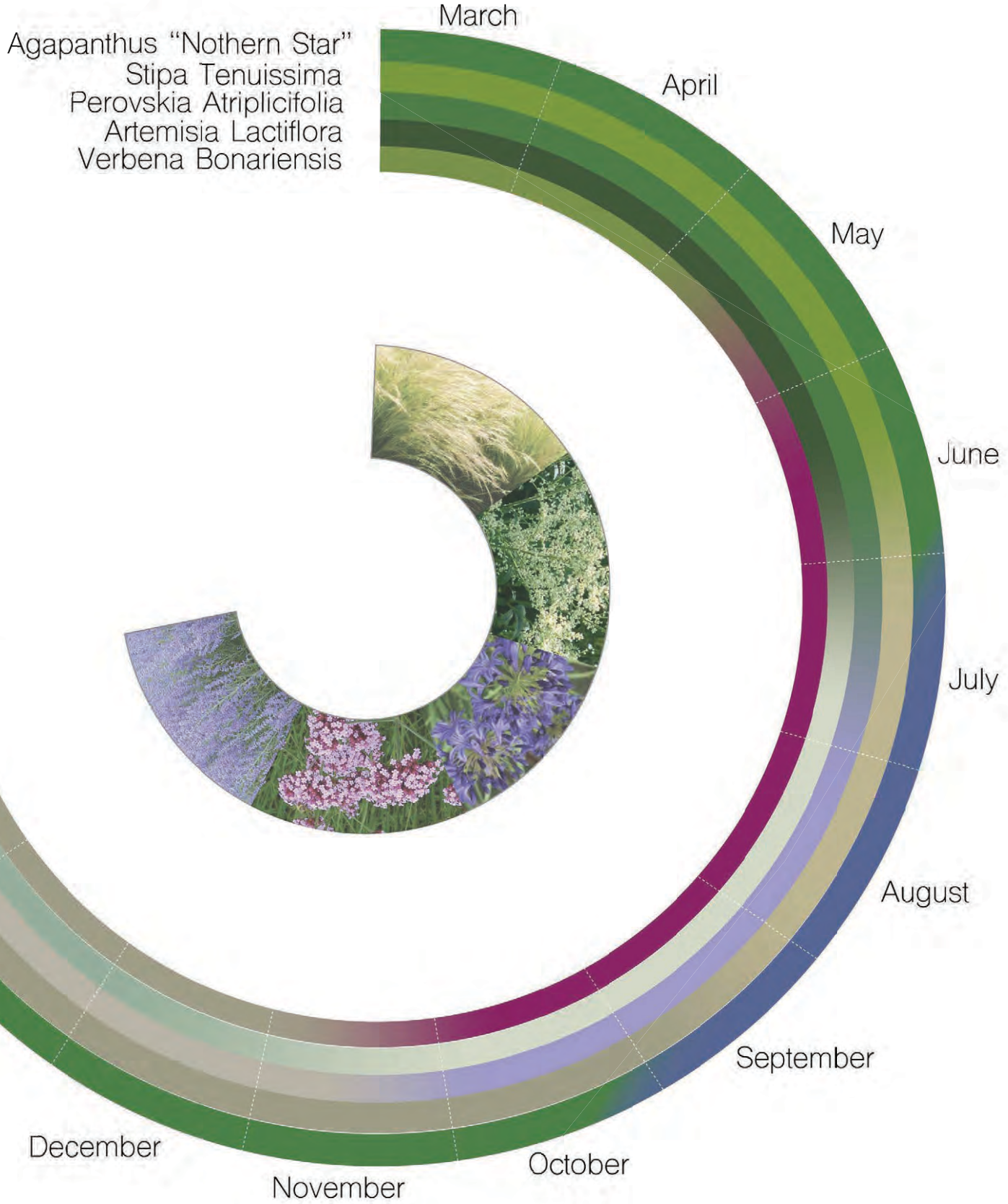


PLANETARIUM



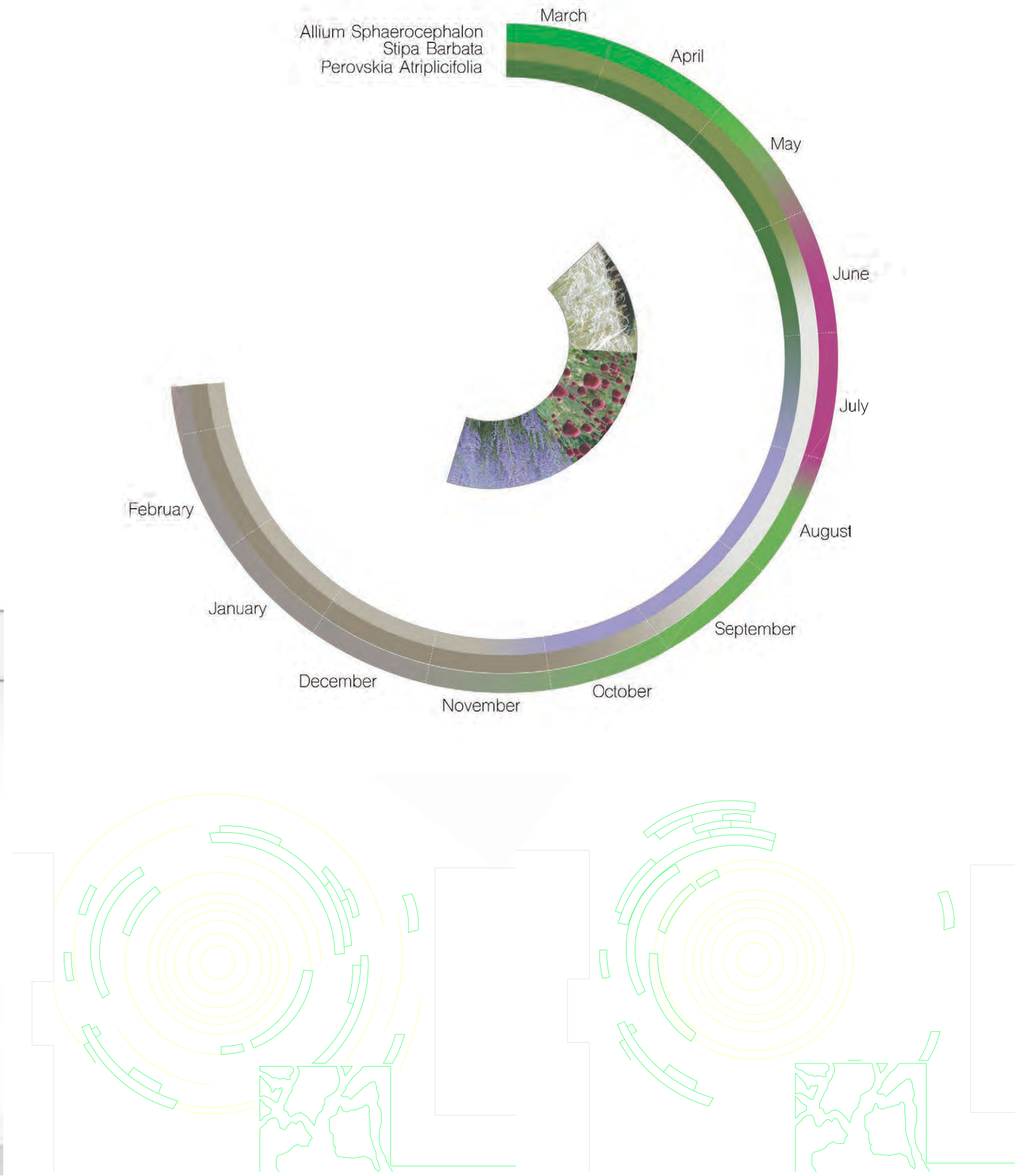


COUNCIL OF THE ARTS





BROKEN CIRCLE



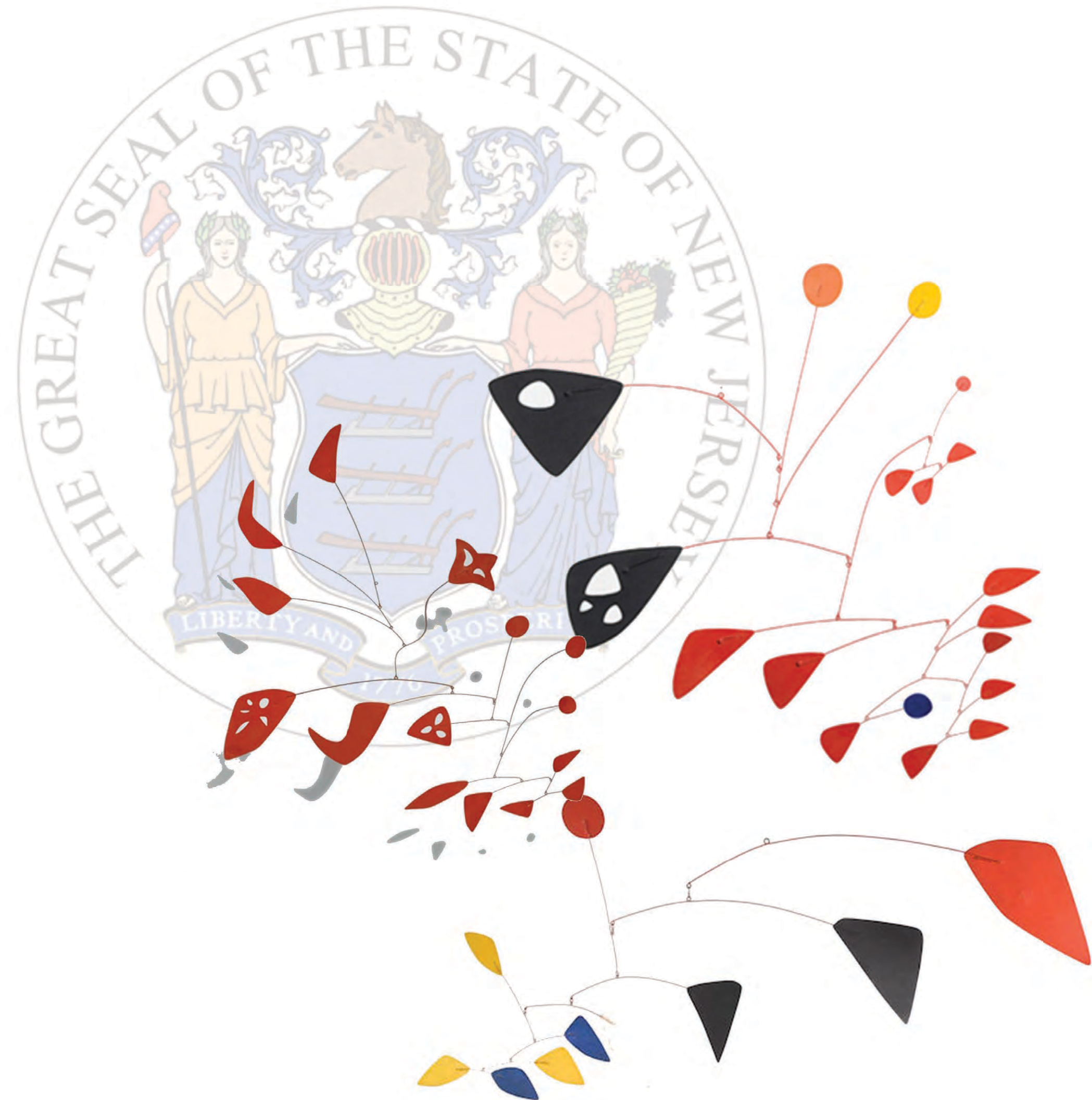
Prosperity Terrace

Yat Chan & Zhaoxuan Wang



Inspiration

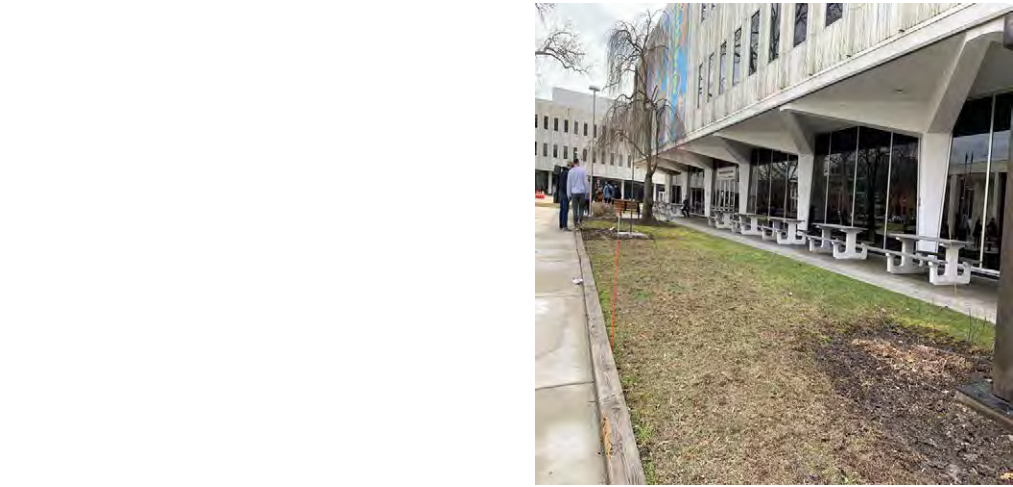
Our design was inspired by the New Jersey State motto “Liberty and Prosperity”, and the mobile art works from an American sculptor called Alexander Calder.



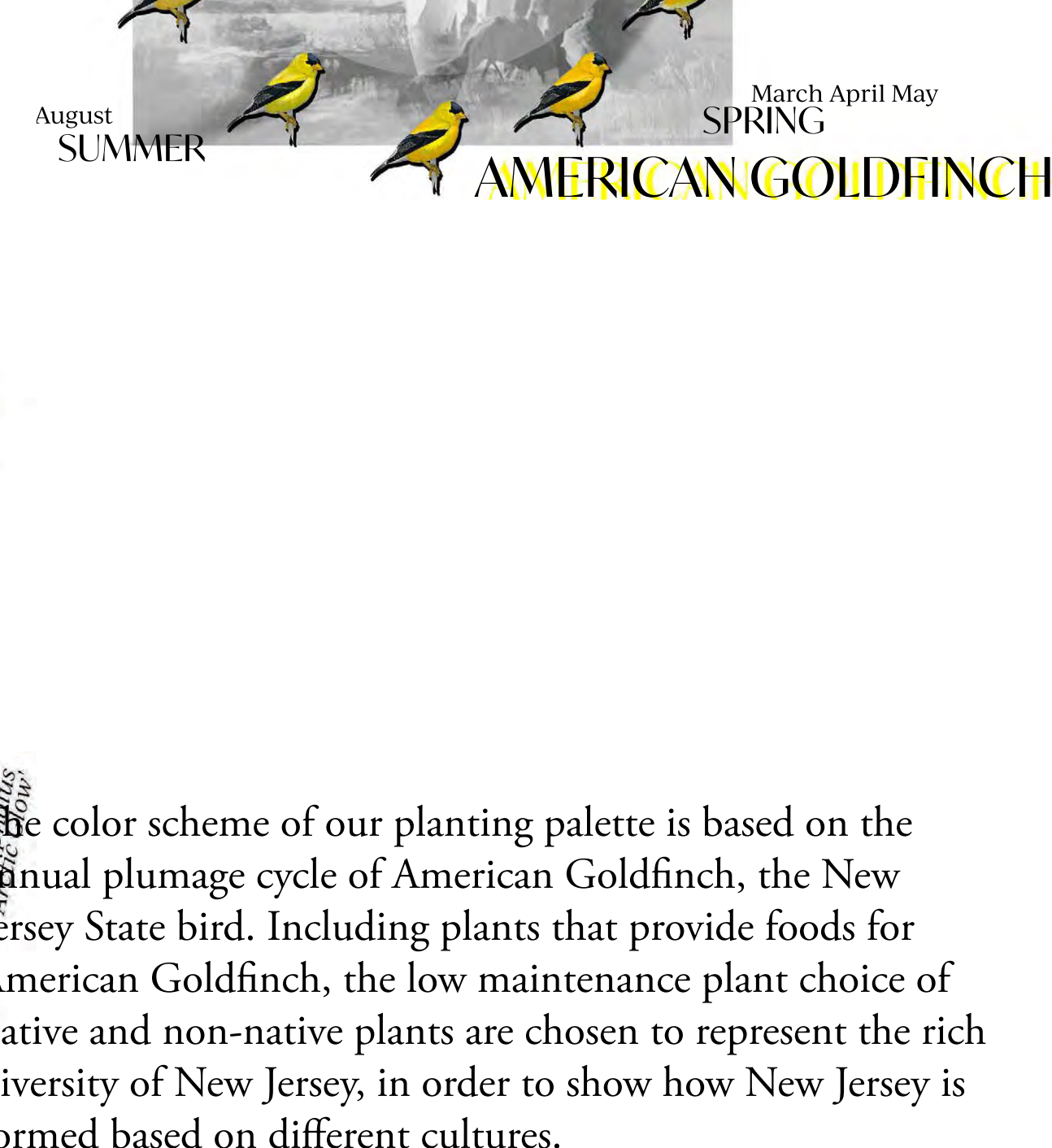
EXISTING CONDITIONS



- 1. BROKEN
CONCRETE
SURFACE
- 2. LACK OF
PLANTING
MANAGEMENT
- 3. LESS
INTERACTION
- 4. SPACE
ARRANGEMENT





















Planting Palette

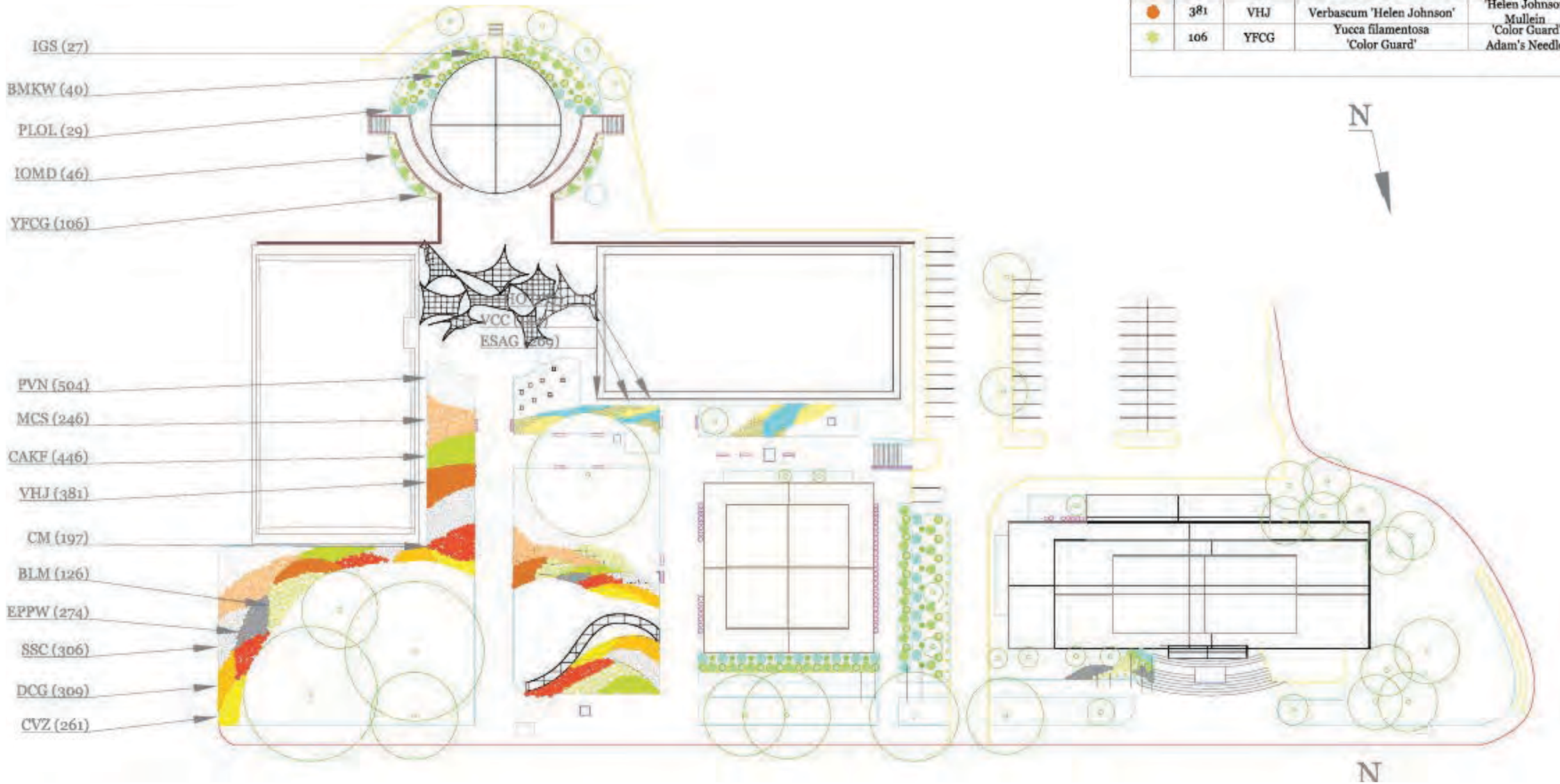


The color scheme of our planting palette is based on the annual plumage cycle of American Goldfinch, the New Jersey State bird. Including plants that provide foods for American Goldfinch, the low maintenance plant choice of native and non-native plants are chosen to represent the rich diversity of New Jersey, in order to show how New Jersey is formed based on different cultures.

Planting Schedule

Planting Schedule											
Key	Quantity	Abbreviation	Botanical Name	Common Name	Spread	Height	Price	Color	Origin	Shade Tolerance	
	40	BMKW	Buxus microphylla var. koreana 'Wintergreen'	Little Leaf Boxwood	60"	48"	\$1.80 x 40 = \$72.00	Green	Korea	Full Sun to Part Shade	
	126	BLM	Baptisia 'Lemon Meringue'	Lemon Meringue	48"	46"	\$1.85 x 126 = \$233.10	Lemon Yellow	North America	Full Sun to Part Shade	
	446	CAKF	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	24"	48"	\$1.20 x 446 = \$535.20	Ivory/Buf	Europe and Asia	Full Sun	
	197	CM	Chrysanthemum 'Matchsticks'	Matchsticks	36"	24"	\$8.50 x 197 = \$1,674.50	Red, Yellow	China	Full Sun	
	261	CVZ	Coreopsis verticillata 'Zagreb'	Hardy Mum 'Zagreb'	24"	18"	\$0.67 x 261 = \$177.48	Yellow	North America	Full Sun	
	309	DCG	Deschampsia cespitosa 'Goldtau'	Threadleaf Tickseed	24"	18"	\$1.97 x 309 = \$608.73	Yellow, Green	North America	Part Shade	
	274	EPPW	Echinacea purpurea 'PowWow White'	Coneflower	18"	24"	\$0.79 x 274 = \$216.46	White	North America	Full Sun to Part Shade	
	269	ESAG	Echinops sphaerocephalus 'Arctic Glow'	Globe Thistle	18"	36"	\$8.25 x 269 = \$2,219.25	White	Europe and Asia	Full Sun	
	177	HO	Helianthus occidentalis	Western Sunflower	24"	48"	\$3.45 x 177 = \$611.45	Yellow	The United States	Full Sun	
	27	IGS	Ilex glabra 'Shamrock'	'Shamrock' Inkberry	36"	48"	\$17.95 x 27 = \$484.65	Green	North America	Full Sun to Part Shade	
	46	IOMD	Ilex opaca 'Maryland Dwarf'	'Maryland Dwarf' American Holly	72"	36"	\$12.50 x 46 = \$575.00	Green	The United States	Full Sun to Part Shade	
	246	MCS	Molinia caerulea 'Skracer'	Purple Moor Grass	36"	72"	\$3.28 x 246 = \$806.88	Ivory/Buf	Europe and Asia	Full Sun	
	29	PIOL	Prunus laurocerasus 'Otto Luykens'	Cherry Laurel	72"	72"	\$15.98 x 29 = \$436.42	White	Europe and Asia	Full Sun to Part Shade	
	504	PVN	Panicum virgatum 'Northwind'	Switchgrass	24"	72"	\$1.24 x 504 = \$624.96	Ivory/Buf	North America	Full Sun to Part Shade	
	306	SSC	Schizachyrium scoparium 'Carousel'	Little Bluestem	30"	30"	\$1.24 x 306 = \$288.62	Silver	North America	Full Sun	
	144	VCC	Verbascum 'Caribbean Crush'	Mullein	24"	48"	\$4.50 x 144 = \$691.20	Orange, Yellow	Europe, Africa, Asia	Full Sun	
	381	VHJ	Verbascum 'Helen Johnson'	Helen Johnson's Mullein	24"	48"	\$4.50 x 381 = \$1714.55	Orange, Brown	Europe, Africa, Asia	Full Sun to Part Shade	
	106	YFCG	Yucca filamentosa 'Color Guard'	'Color Guard' Adam's Needle	24"	24"	\$12.95 x 106 = \$1372.70	Yellow	America/Japan	Full Sun	
											Total = \$13413.10

Planting Plan



Our planting patterns are based on the curvy shape of Delaware river, and the formality of the New Jersey State dance, Square dancing.

These two patterns create a strong contrast between softness and hardness, which add in a fun arrangement of plants for viewers to enjoy.

PERSPECTIVES

Plants are arranged by height; short plants are near pedestrians, so they can also view tall plants from a distance. This takes inspiration from the unique New Jersey Geology, how New Jersey elevation varies from the north to the south.





The fabric structure takes inspiration from mobile artworks. They are made of polyester, light and water-proof. The glass structures create an opportunity for visitors to interact, in order to increase connection between people. They both can emphasize the plaza, which makes visitors to draw attention to the beautiful view of the Delaware River.

The plants surround the planetarium are chosen in order to create harmony by their semi-sphere structure, which adds in a fun imitation between planetarium and shrubs for viewers to enjoy.

