

the Harrington School

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Professor Steffens
LAND 4900
Spring Semester 2014
Senior Capstone Project



SITE HISTORY

+ HISTORY

Once a proud and cultural landmark, the Harrington School House sits abandoned and alone off a small road on St. Simons Island, Georgia. Windows are either broken or boarded up and the large holes in the walls have been somewhat hastily, if not carelessly, covered. To passers by, it must seem like just a condemned building, waiting to be torn down to make room for more residential development. However, the large notices and signs posted around the site, upon a second glance, reveal the historical significance and former glory of the school.

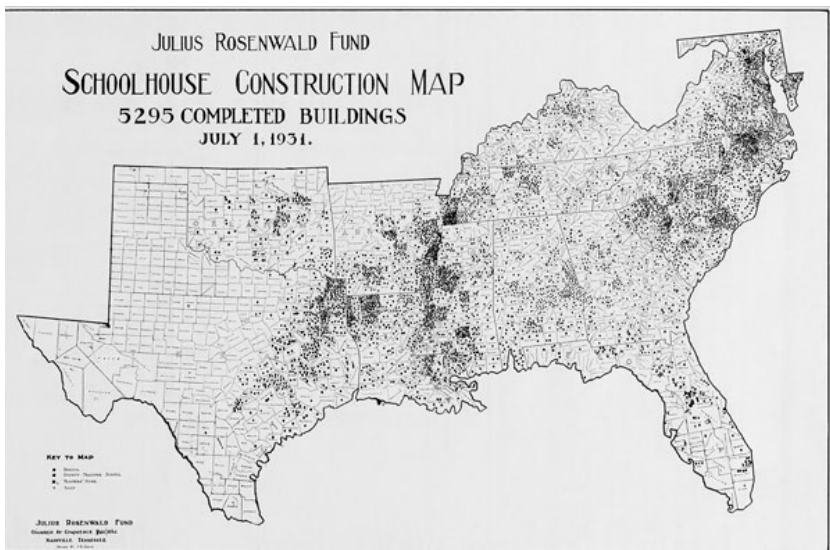
Orgins of the site date back to the early 1900's, when philanthropist Julius Rosenwald teamed up with Booker T. Washington to fund schools that would educate African American children throughout the segregated South. Thusly known as one of the 'Rosenwald Schools', The Harrington School was built in 1925 and served as a school house for the Gullah Geechee Community of St. Simons Island. In 1954, when the Supreme Court ruled for the desegregation of schools, the School House became a community center and day care until 1970. In 2009, restoration and preservation efforts began to save the school and turn it into as a musuem to show case its cultral heritage.

the Harrington School House, St. Simons Island, Georgia

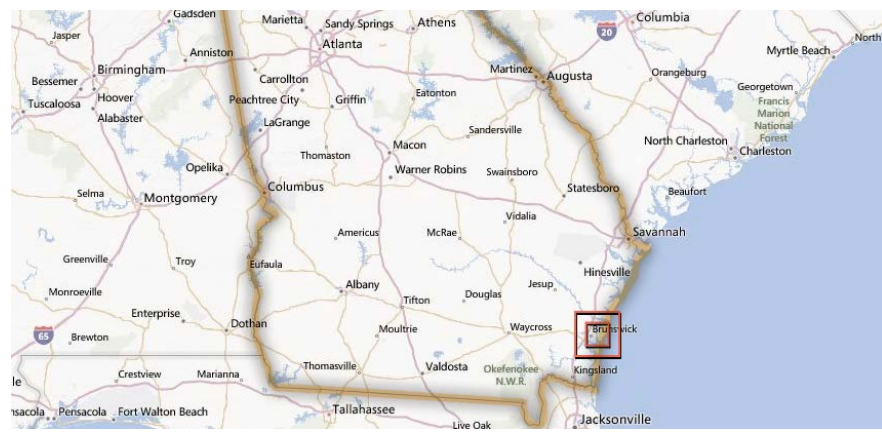
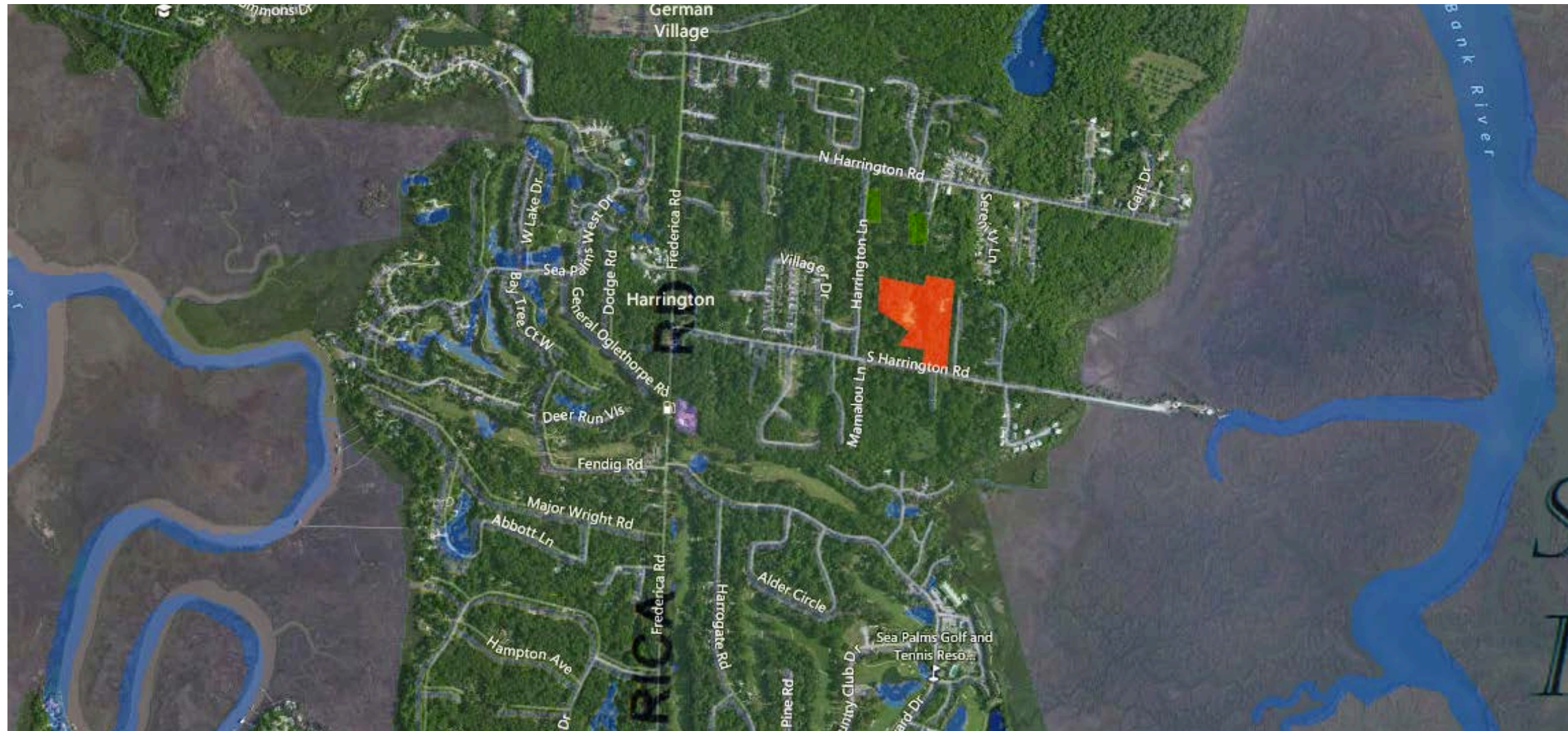


Gullah-Geechee Heritage Corridor
(Above)
The Harrington School Community are part of the Gullah-Geechee Heritage Corridor, a collection of establishments from North Carolina - Florida that has been able to maintain their unique and distictive African cultures.

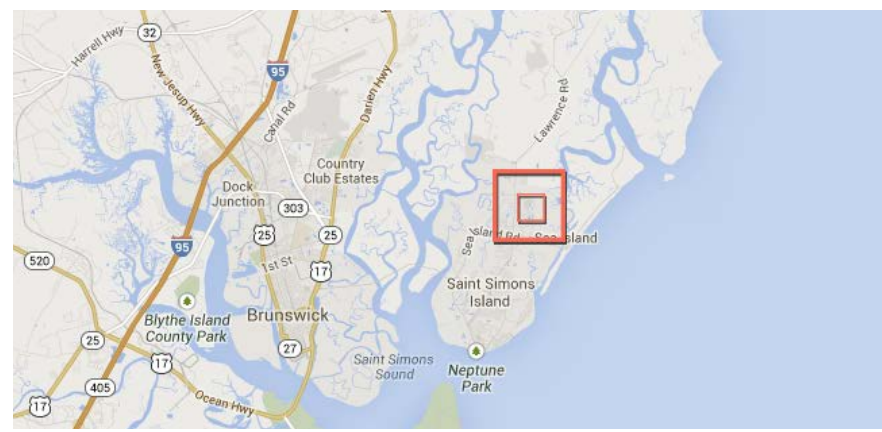
(Left)
A Class standing in front of the old Harrington School House



Booker T. Washington (left) & Julius Rosenwald (right)
In 1912, philanthropist Julius Rosenwald noticed the need for school to educate the African American youth in the segregated South.



Site Location in relation to Georgia



Zoomed in View of the Brunswick/ St. Simons Area



Harrington Neighborhood

+ THE SITE

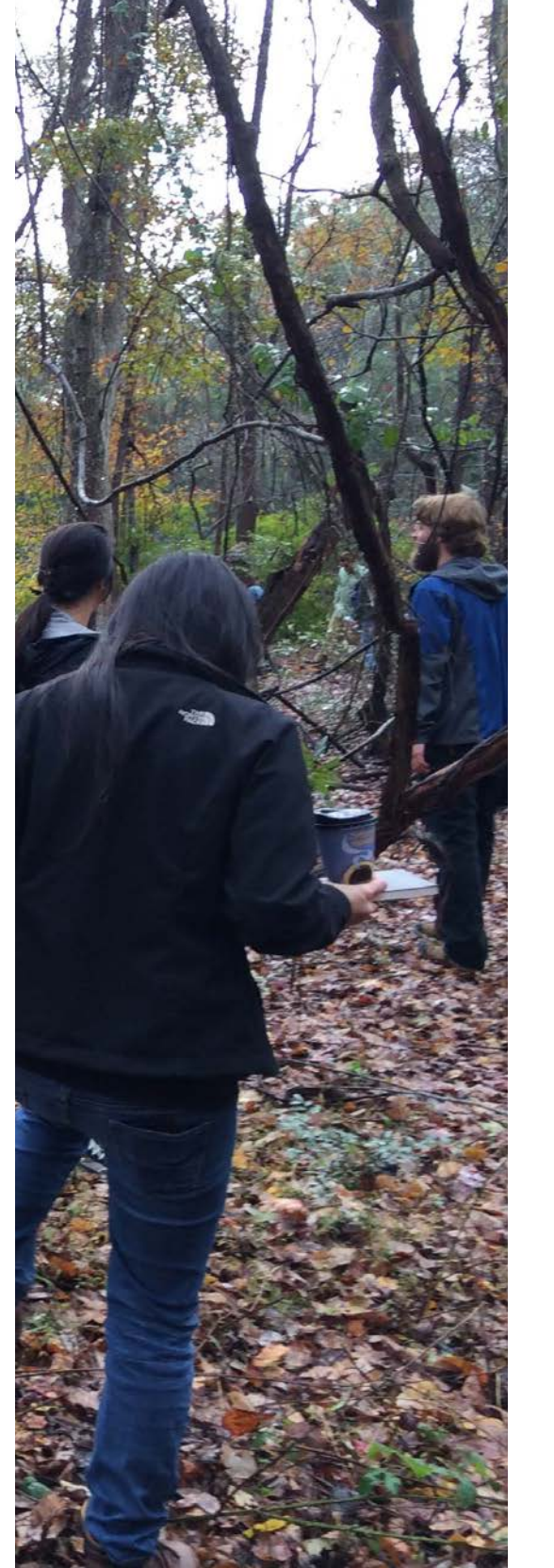
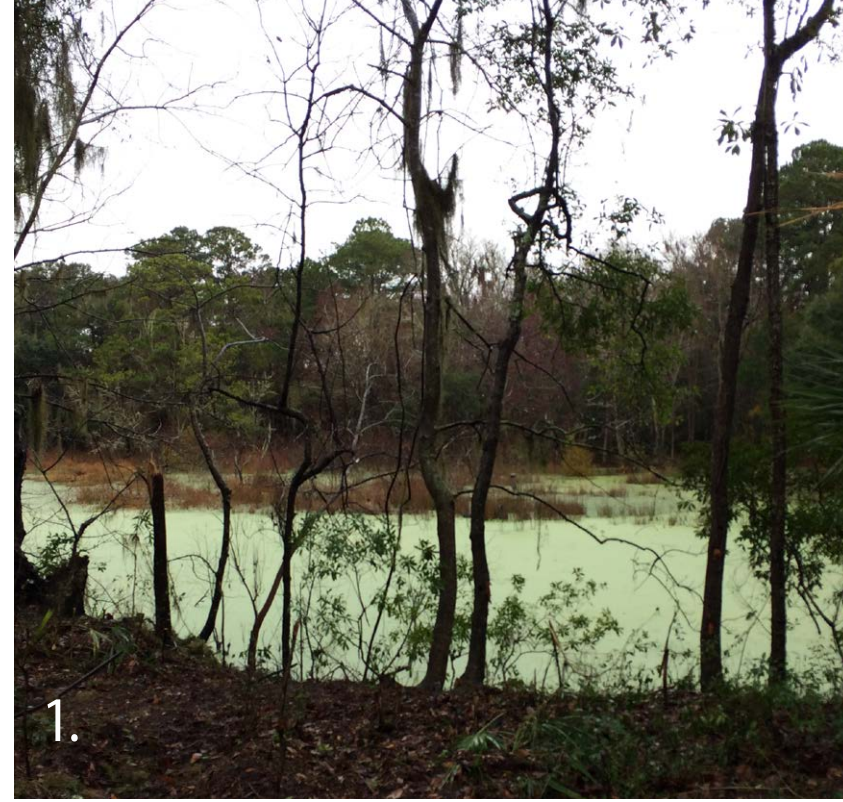
- Location
 - S. Harrington St
 - St Simons Island, Georgia
 - Glynn County
- Size
 - 13 acres
- Surrounding Land Use
 - Single Family Residential
- Currently
 - Abandoned & Overgrown
- Landowners
 - 1 acre around the house is owned by the Land Trust
 - 12 acres surrounding the 1 acre site is owned by Glynn County



+ EXISTING USE

-Grounds

-The grounds are currently overgrown and hard to navigate by foot. There were two “ponds” on the premises, which, upon further investigation, turned out to be “borrow pits” to house both ground water & the recent rainwater. At one point, we had to navigate through the trash and debris that was overflowing from a neighborhood junkyard. Large heaps of tires, tv’s, and even boats were scattered across a back corner of the site and sinking into the bog.





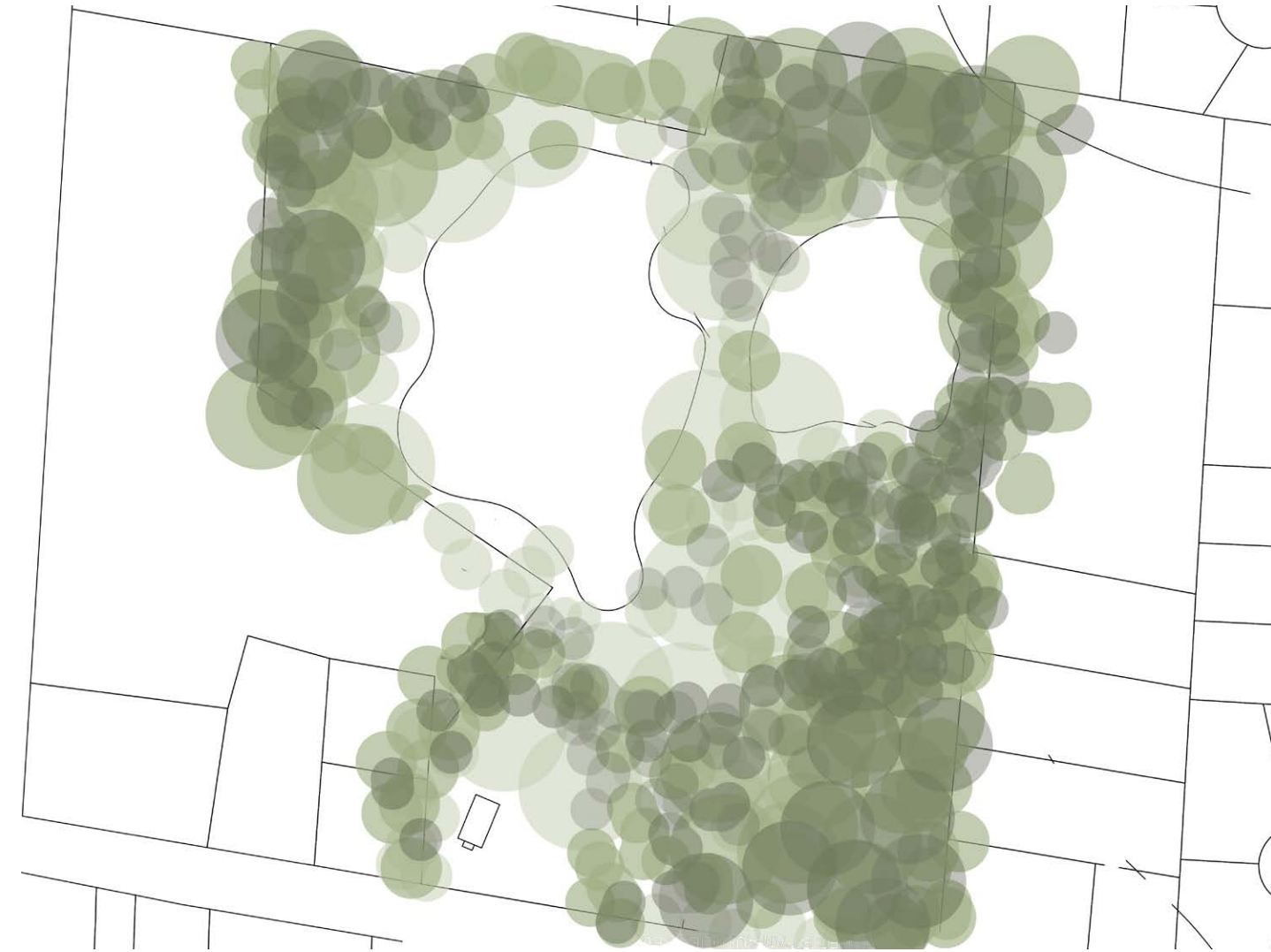
+ EXISTING USE

-School House Structure

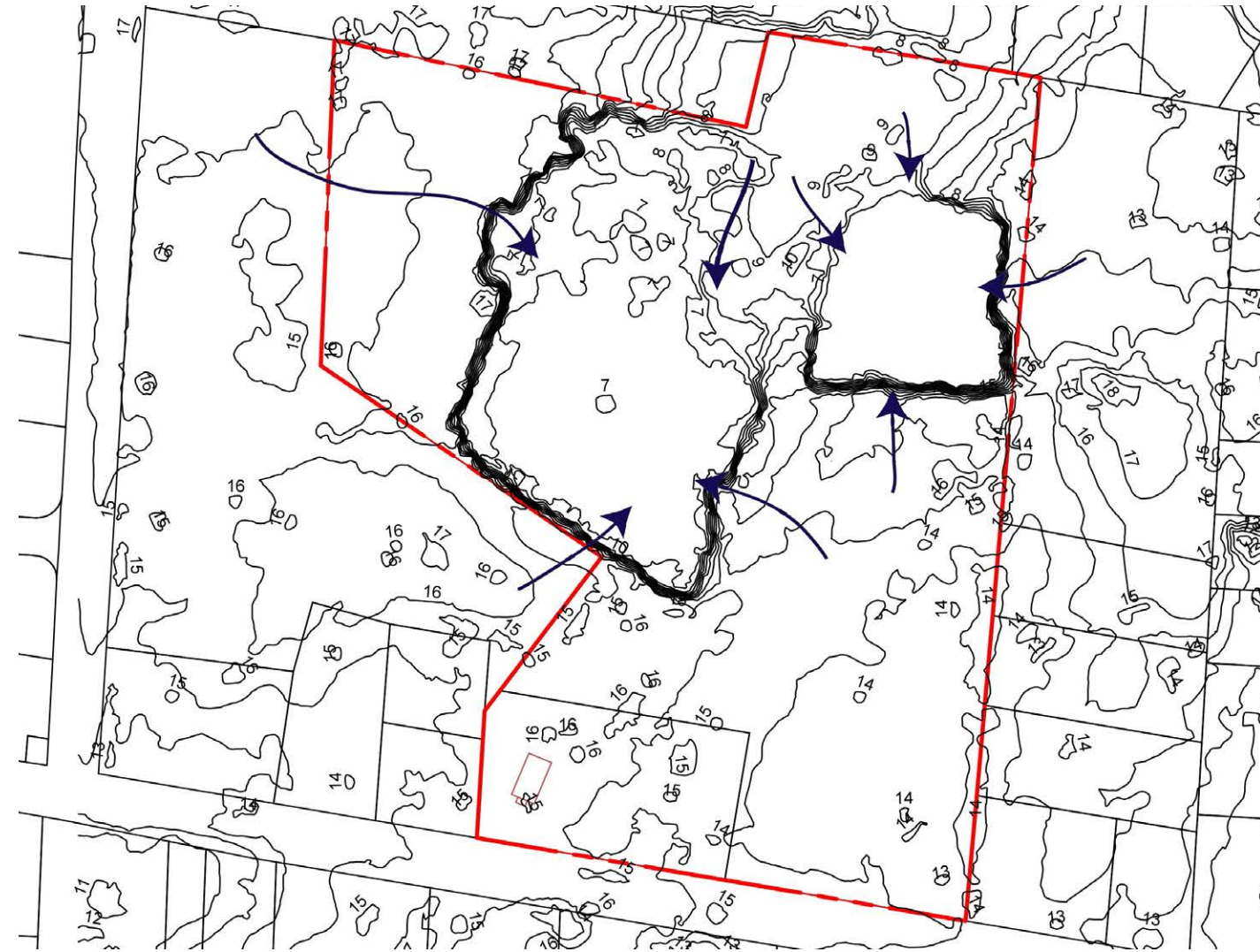
The school house has been vacant since the early 70's and is in need of a lot of repair. While the school house and foundation itself have been deemed structurally sound, it has been exposed to severe damage in the walls and roof that have led to rot, mold, and termite damage within the structure. In May of 2010, a full assessment of the site was taken and planning began on how to approach and deal with the issues. The roof was redone in order to preserve what remained inside and to prevent any further deterioration.



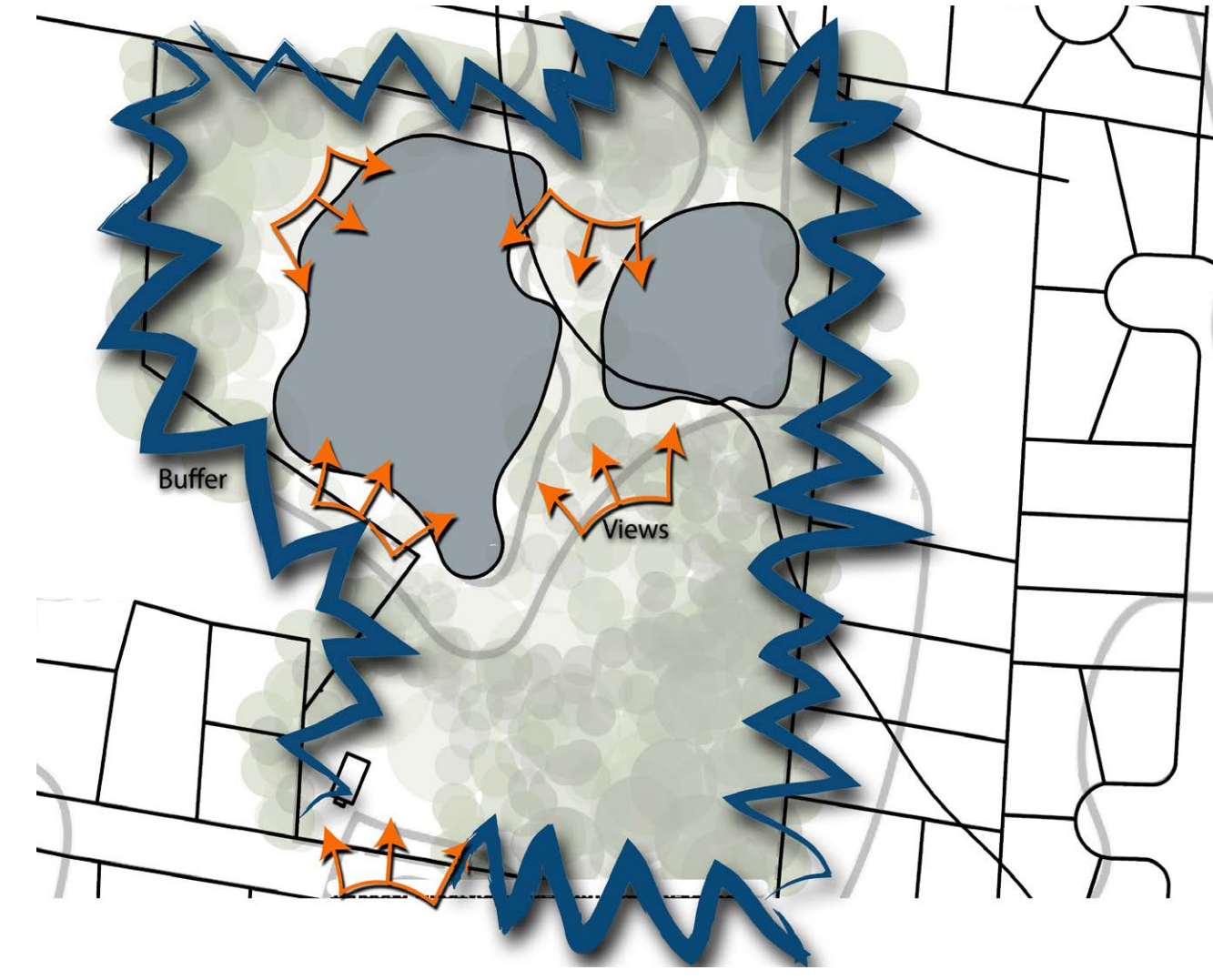
DESIGN CONCEPTS



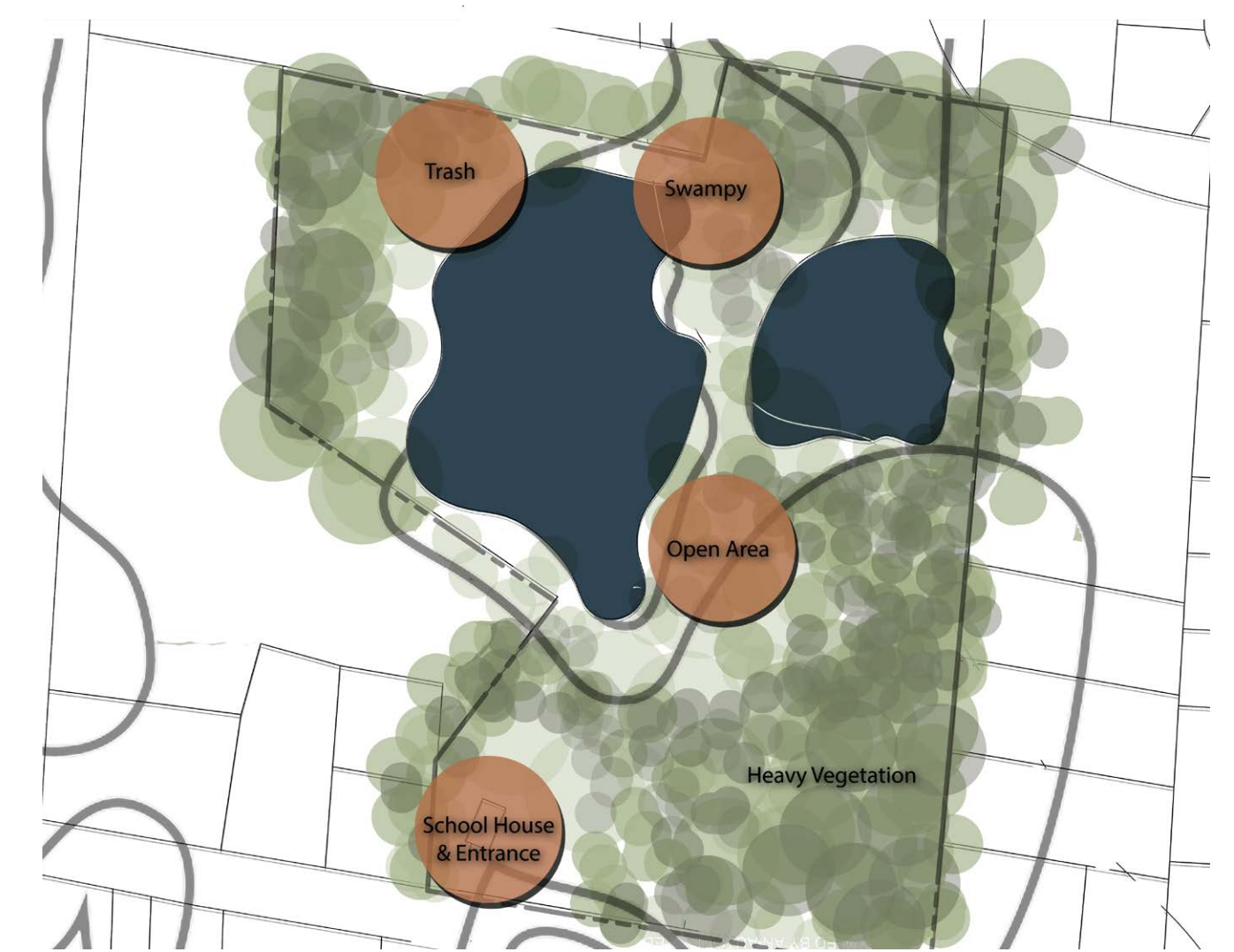
VEGETATION



TOPOGRAPHY



VIEWS AND BUFFERS

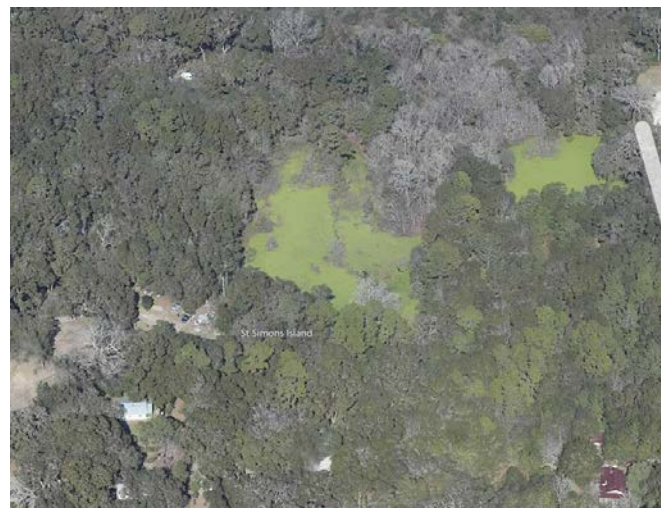


EXISTING CONDITIONS AND LIMITATIONS

Vegetation Map

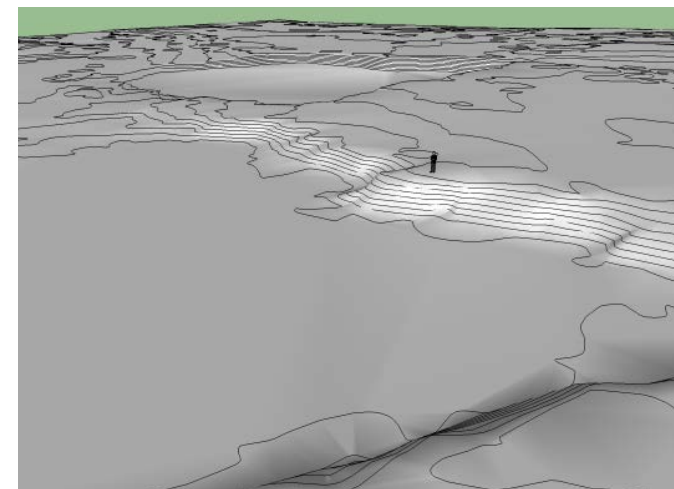
While the site is primarily all vegetated & over-grown, the map above shows the varying density of the site. The lighter the green, the lighter the vegetation and the easier it is to navigate. The darker the green, the thicker the vegetation is and the harder it is to navigate.

(Left) A bird's eye view of the site. Showing the thick vegetation and the borrow pits.



These two maps show the current topography and how it affects the drainage of the site.

To the Right.
A topography study I used to quickly demonstrate the current topography of the site.



Views & Buffers

The thick vegetation around the site provides a nice, heavy buffer between the site and the surrounding homes. And despite the overall density, there are a few open areas around the site that provide nice views of the burrow pits and school house

Conditions & Limitations

- In addition to the vegetation, there are a few obvious site conditions and restraints
1. Borrow pits and their varying water levels
 2. The swampy area in back, a result of the borrow pits
 3. The overflow litter and trash from the Neighboring yard



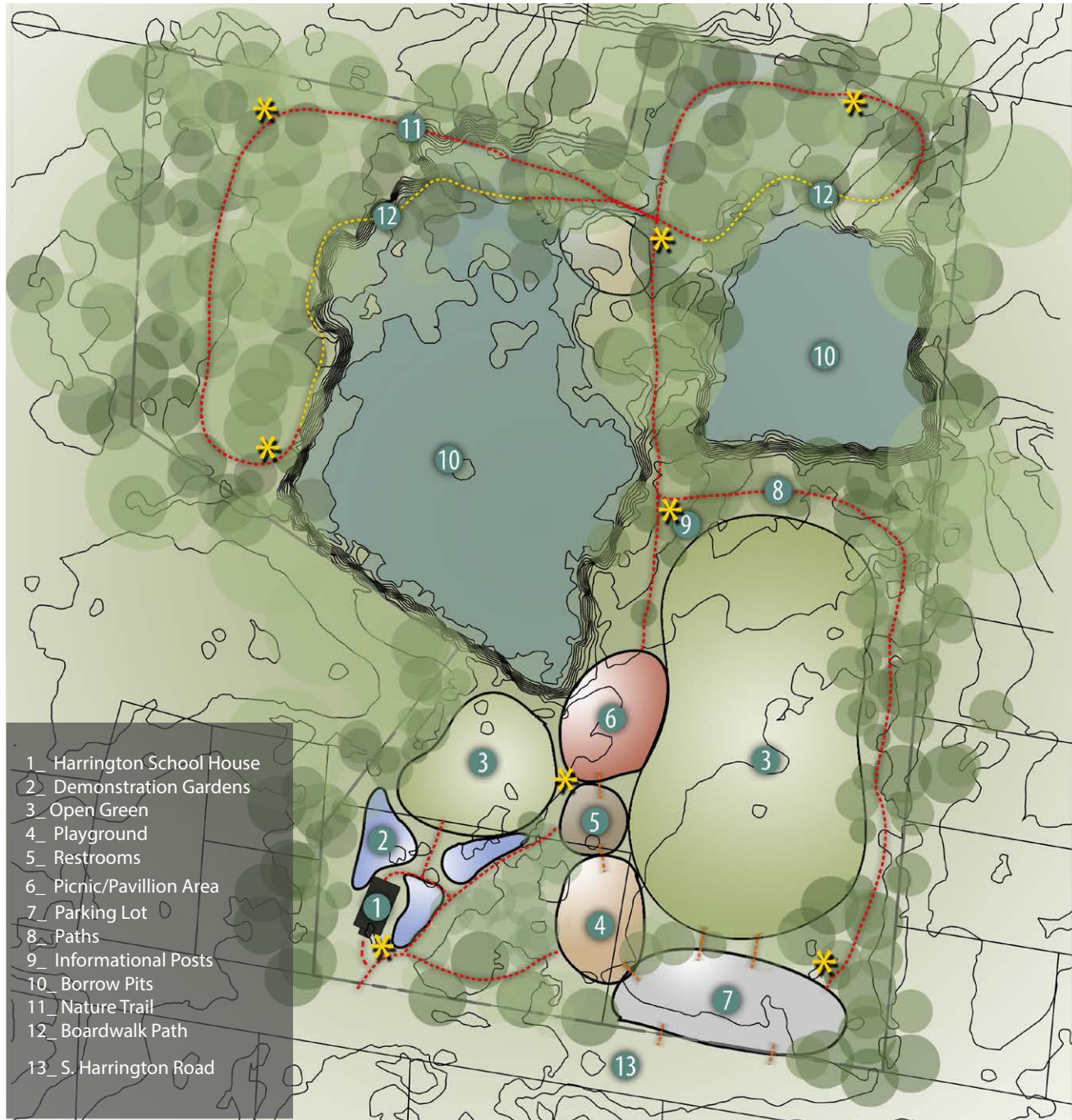
+ PROGRAM GOALS

Aside from restoring the School House to its former glory and creating a museum, the overall goal the St. Simons African American Heritage Coalition wants to provide an area that can be used not only to pay homage to the historic heritage of the site, but one that would also act as a relaxing park for the community.

The list of Wants and Needs include:

- Trails
 - to provide patrons with the history of the site
- Education/Interactive Opportunities for Kids/ Public
- Parking
- Picnic Area
- Improved Access
- Free Standing Restroom Buildings
 - Sanitary Service
 - Domestic Water
- Clear Cut Trees for Open Passive Recreation Area
- Low Impact and Easily Sustainable Design
 - native plant selection
- ADA accessible
- Cost Friendly

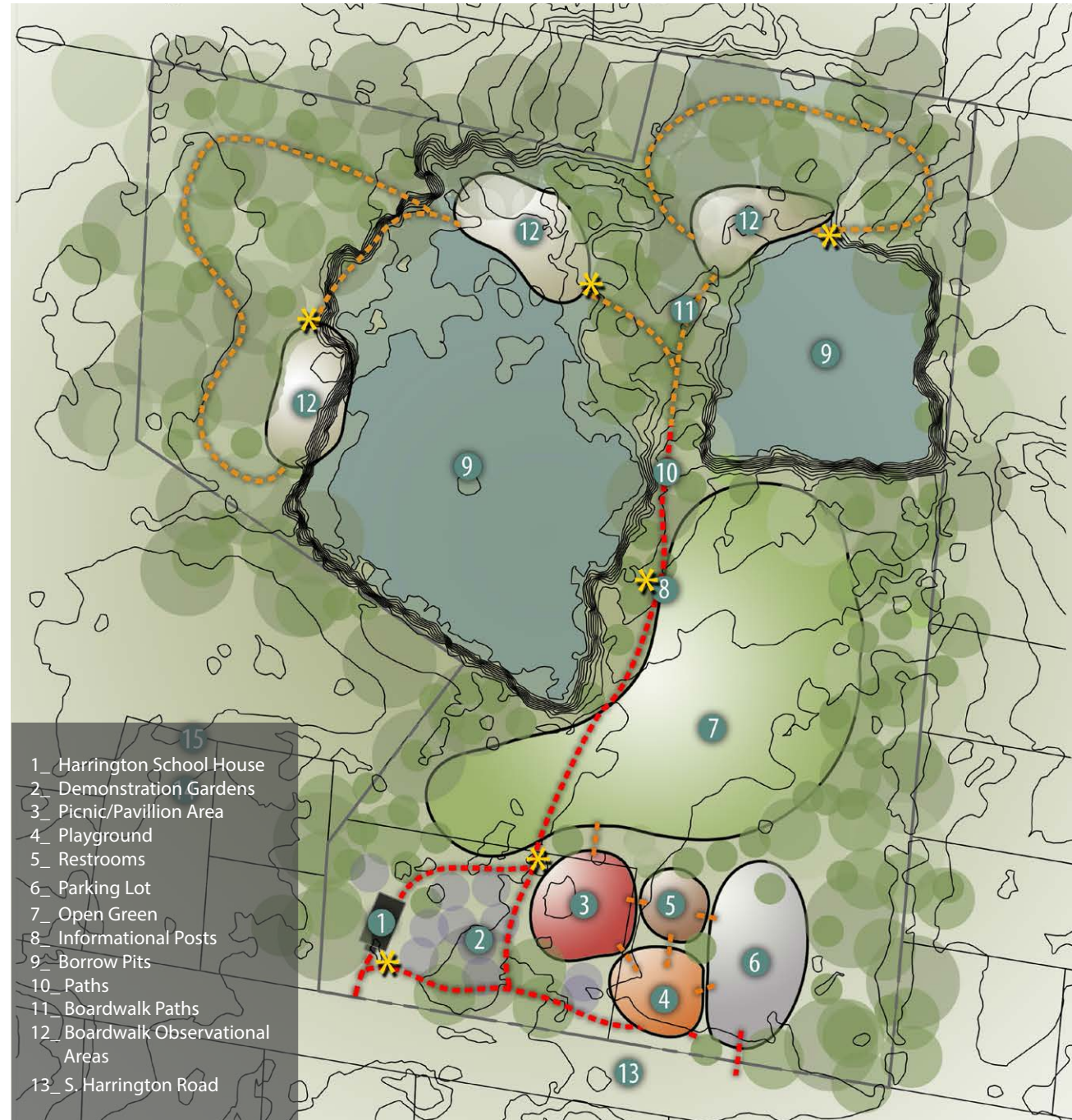




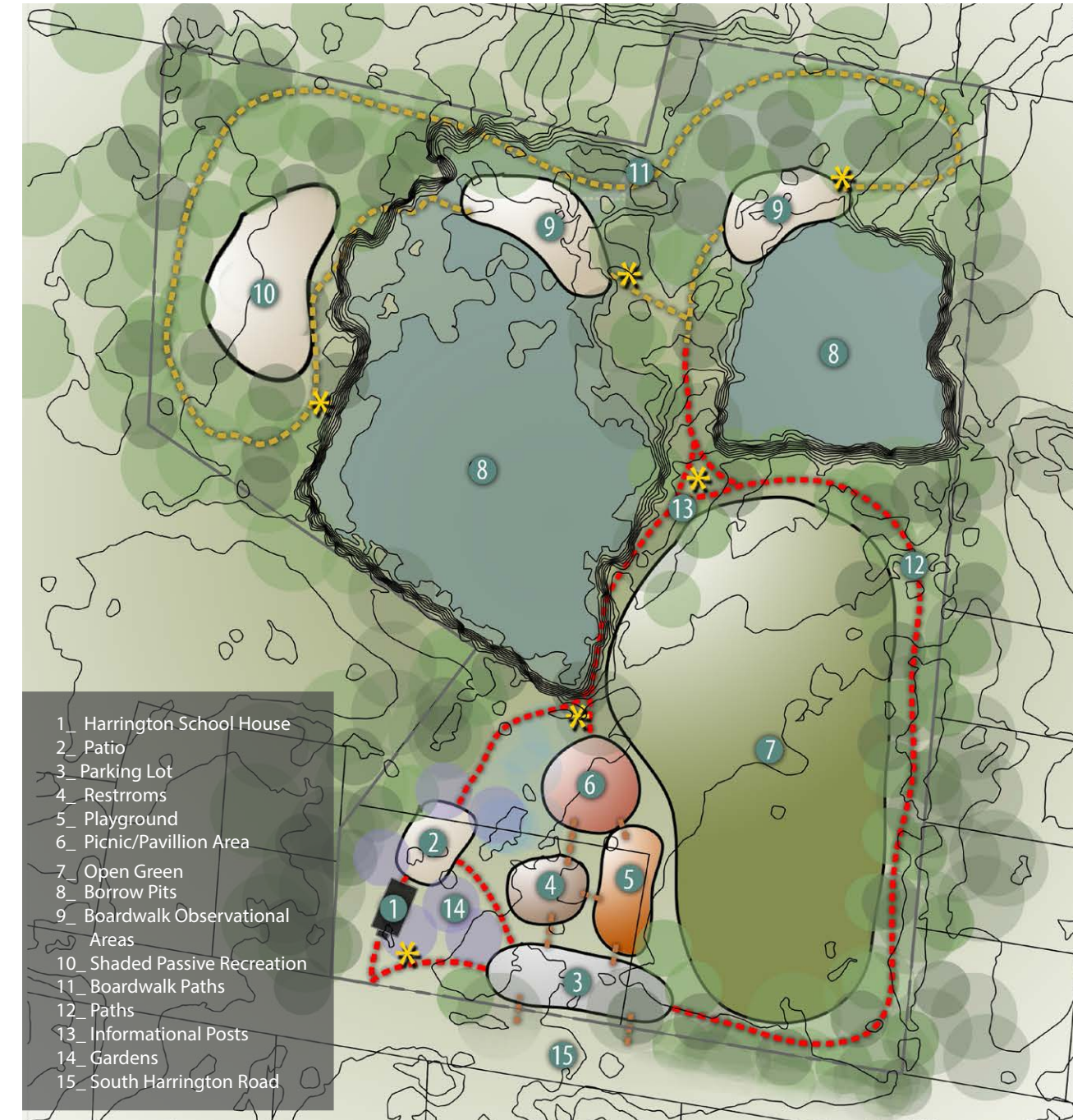
The idea for concept one was to try to maintain a relatively low-impact design. Ideally, I would like to try to clean up as much brush and understory debris as possible in order to give the site a more polished look. For the most part, I wanted the area closest to the road to be more developed, and the back of the site to be more natural. This is primarily for three reasons:

1. Development near the road would attract people better
2. For safety reasons and convenience to the parking lot.
3. I wanted some areas to be more natural, which should be located furthest from a road

The addition of a pavillion, demonstration garden, and playground would attract the neighborhood families into the site, and hopefully the comfortable ambiance will keep them there. Since the Borrow Pits are unreliable in temrs of their waterlevels, I've left them as they are but added a boardwalk type path through parts of the back "nature walk" to deal with the occasional flooding those parts may recieve.



Concept two is similar to concept one, but instead of just certain parts of the "nature walk" being a raised boardwalk, the entire trail is. Along these boardwalk paths I've also added Observational Deck Areas in order for patrons to take a break and admire the surrounding areas. Once again, these are all raised slightly in order to accomodate for the occasional flooding of the Borrow Pits.



Concept three includes a patio behind the school house which would function as a place to sit near the school, and an additional venue area for events that would be held at the park. Two Observational Decks still exist, but I subbed one out for a more recreational area. This would offer patrons a more be a more secluded, private area to talk or just simply lounge around.

DESIGN CONCEPTS

SPATIAL RELATIONSHIPS

NATURAL ELEMENTS

existing tree canopy
existing understory

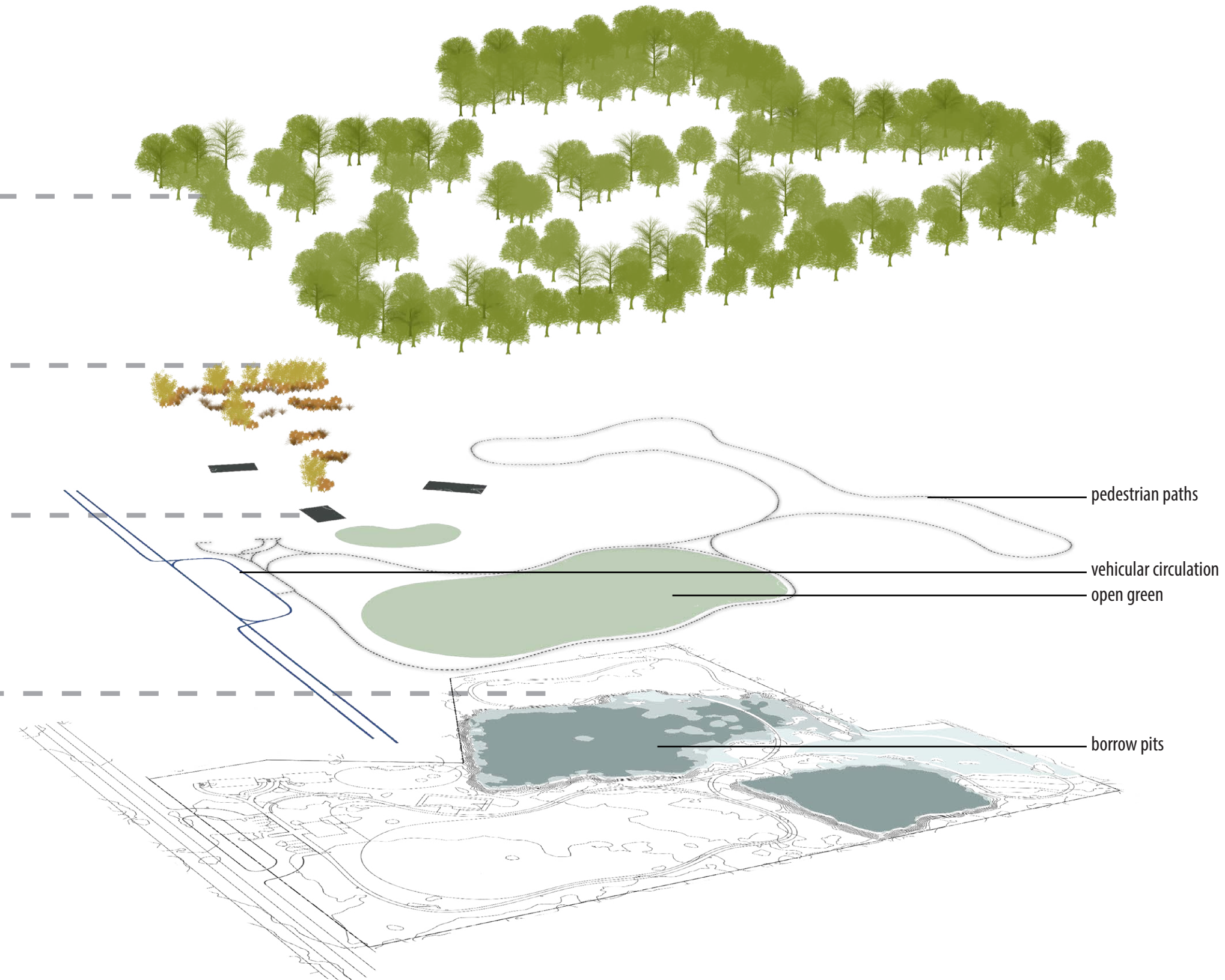
ADDED PLANTING

STRUCTURAL

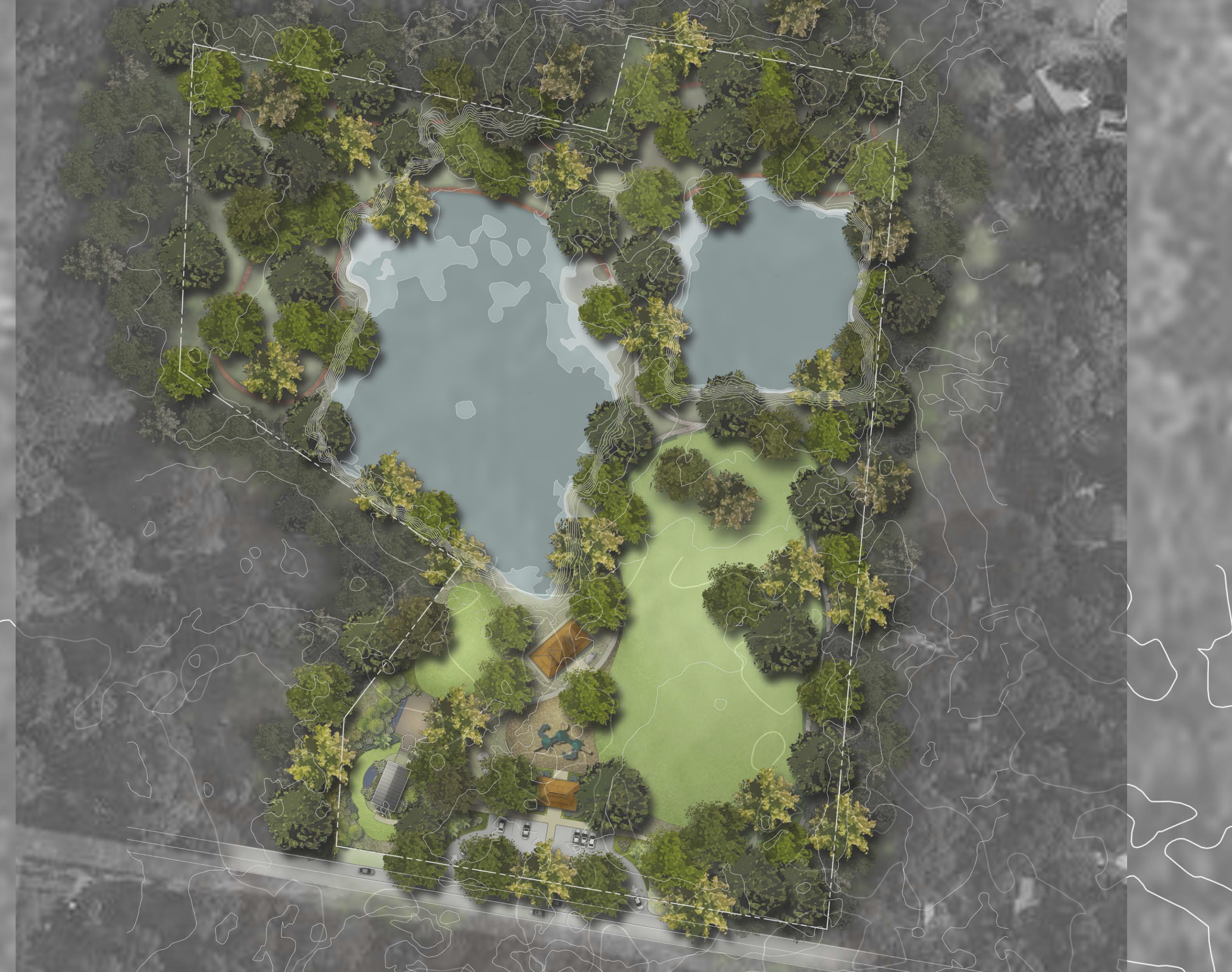
restored schoolhouse
bathrooms
picnic pavillion

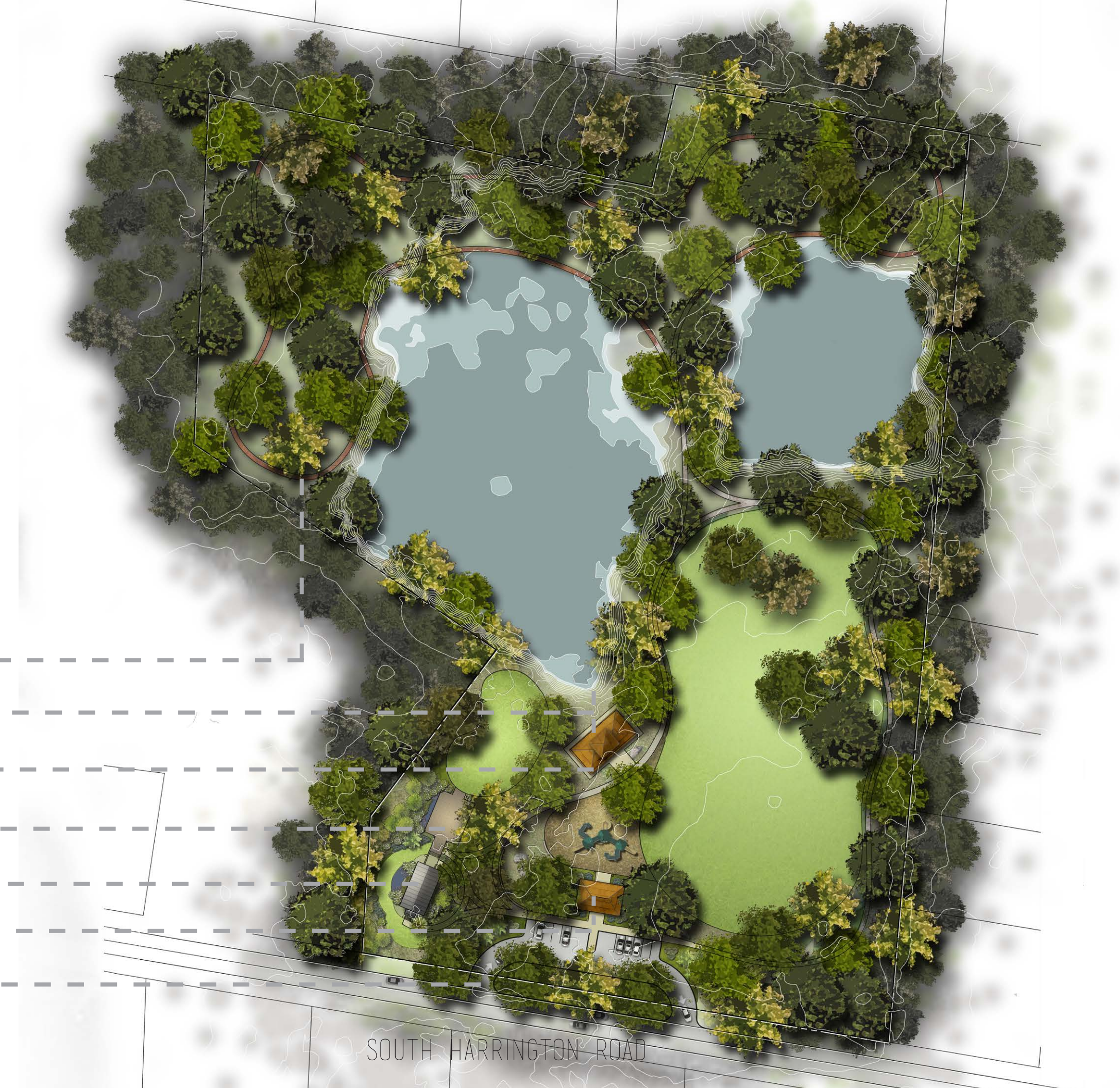
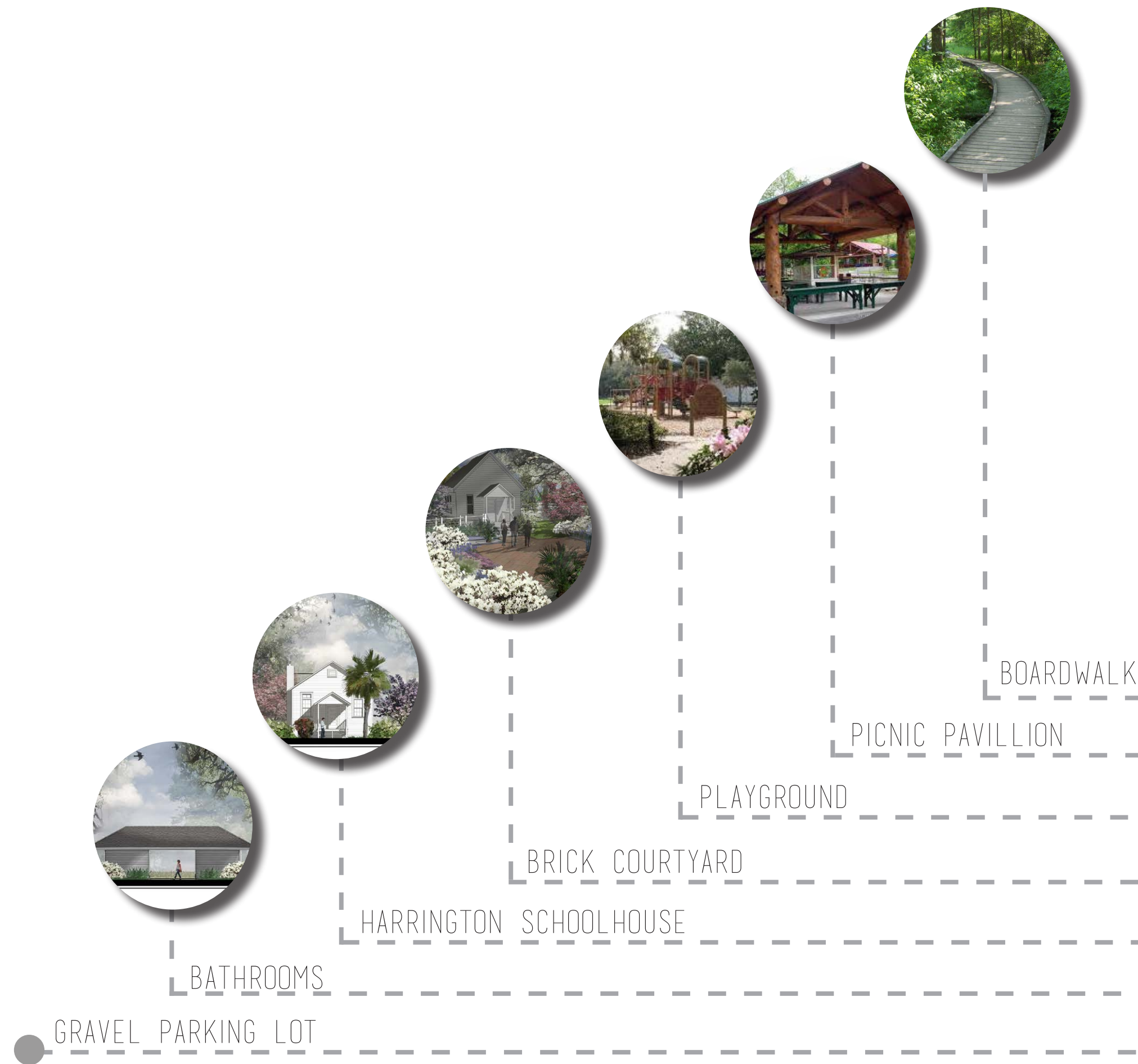
CIRCULATION

pedestrian trails :: boardwalk :: crushed granite :: tabby concrete
vehicular :: gravel parking lot



MASTER PLAN

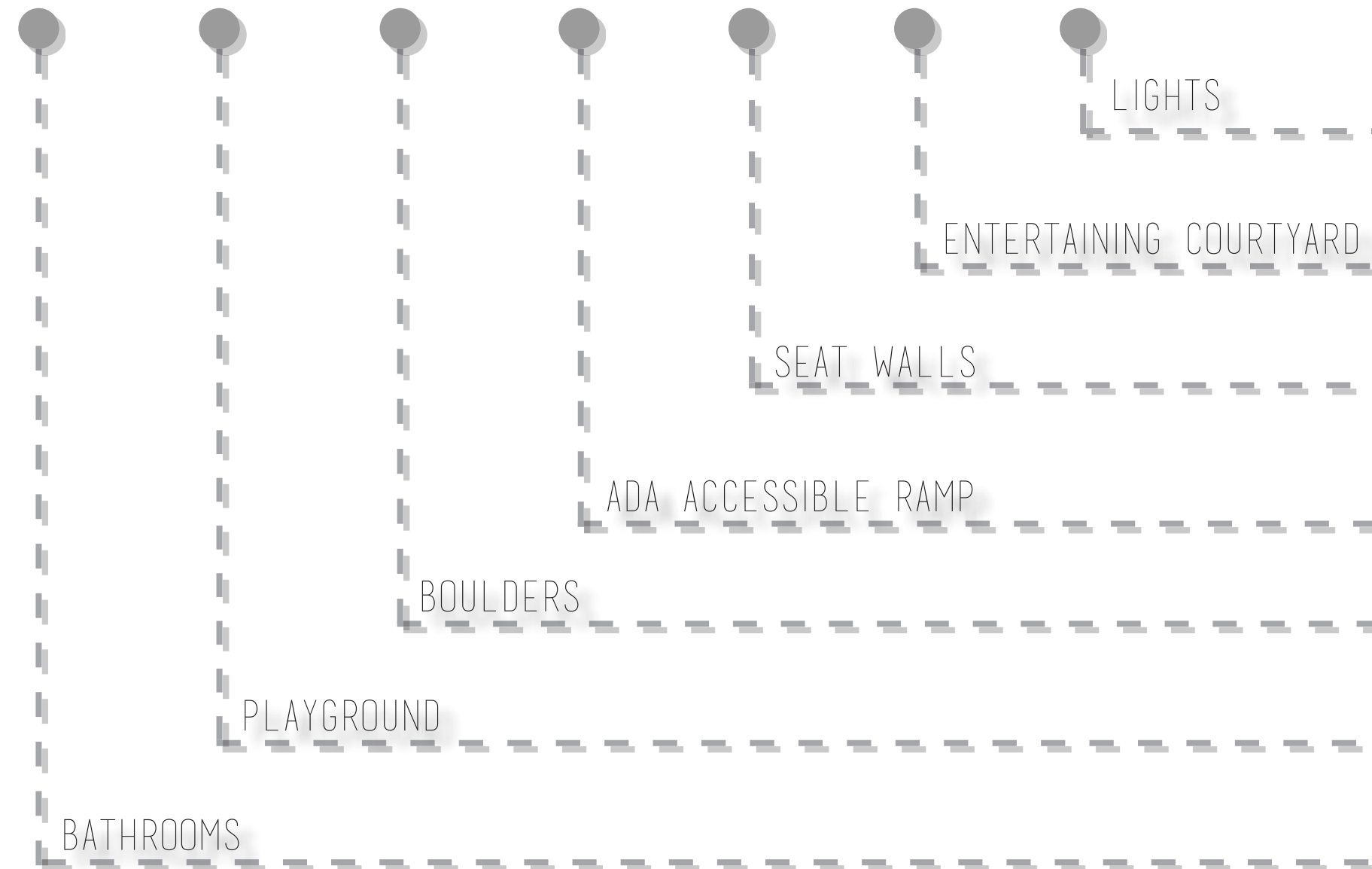






SITE PLAN





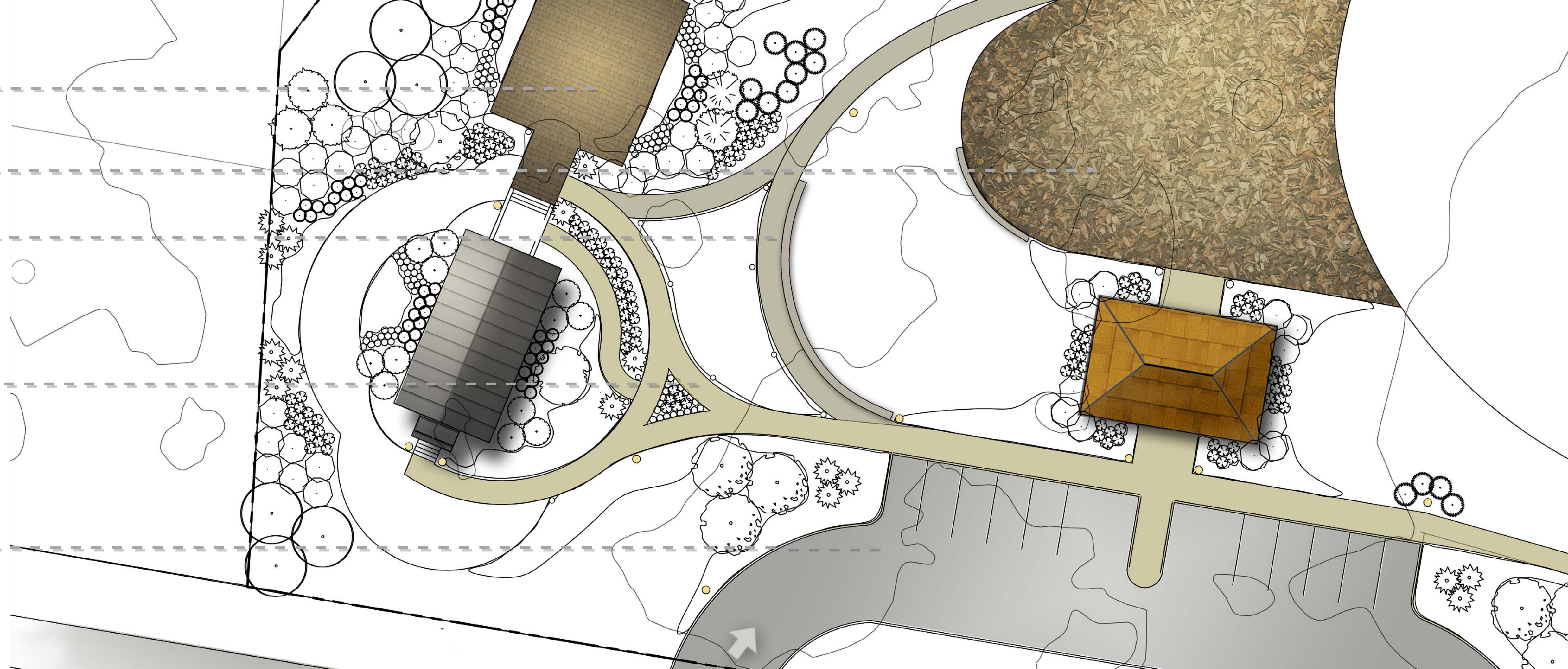
BRICK COURTYARD

WOOD CHIP PLAYGROUND

CRUSHED GRANITE PATHS

TABBY CONCRETE PATHS

GRAVEL PARKING LOT





BRICK PATIO



CRUSHED GRANITE



SEAT WALL

2 x 4 x 8 Brick Pavers

1" Sand Setting Bed

Metal Edging

2" Dense Aggregate Base

6" Aggregate Subbase [Extend 6"]

Compacted Subgrade

1

L2

Brick Pavers w/ Metal Edge

Scale 3/4" = 1'-00"

2" Crushed Granite

Metal Edging and Stakes

6" Aggregate Base [Extend 6"]

Prepared Subgrade

2

L2

Crushed Granite Paving with Metal Edge

Scale 3/4" = 1'-00"

1" Overhang

6" x 6" x 16" concrete block

Stone Facing & Mortar

1" PVC Weep Holes @ 5'-00" oc

2" crushed granite walkway

6" Aggregate

Prepared Subgrade

Concrete footing

#4 Rebar @ 36" oc

3

L2

Stone Facade Seat Wall

Scale 3/4" = 1'-00"

Tree Wrap Main Trunk

Rubber Hose

Galvanized wire, double strand twisted

12" Black Corrugated Plastic Pipe

3" Mulch

2" x 2" Hardwood Stake

Remove Top 1/3 of All Burlap Fabric Around Rootball

6" Diameter Saucer Around Tree

Existing Grade Add to Planter Mix

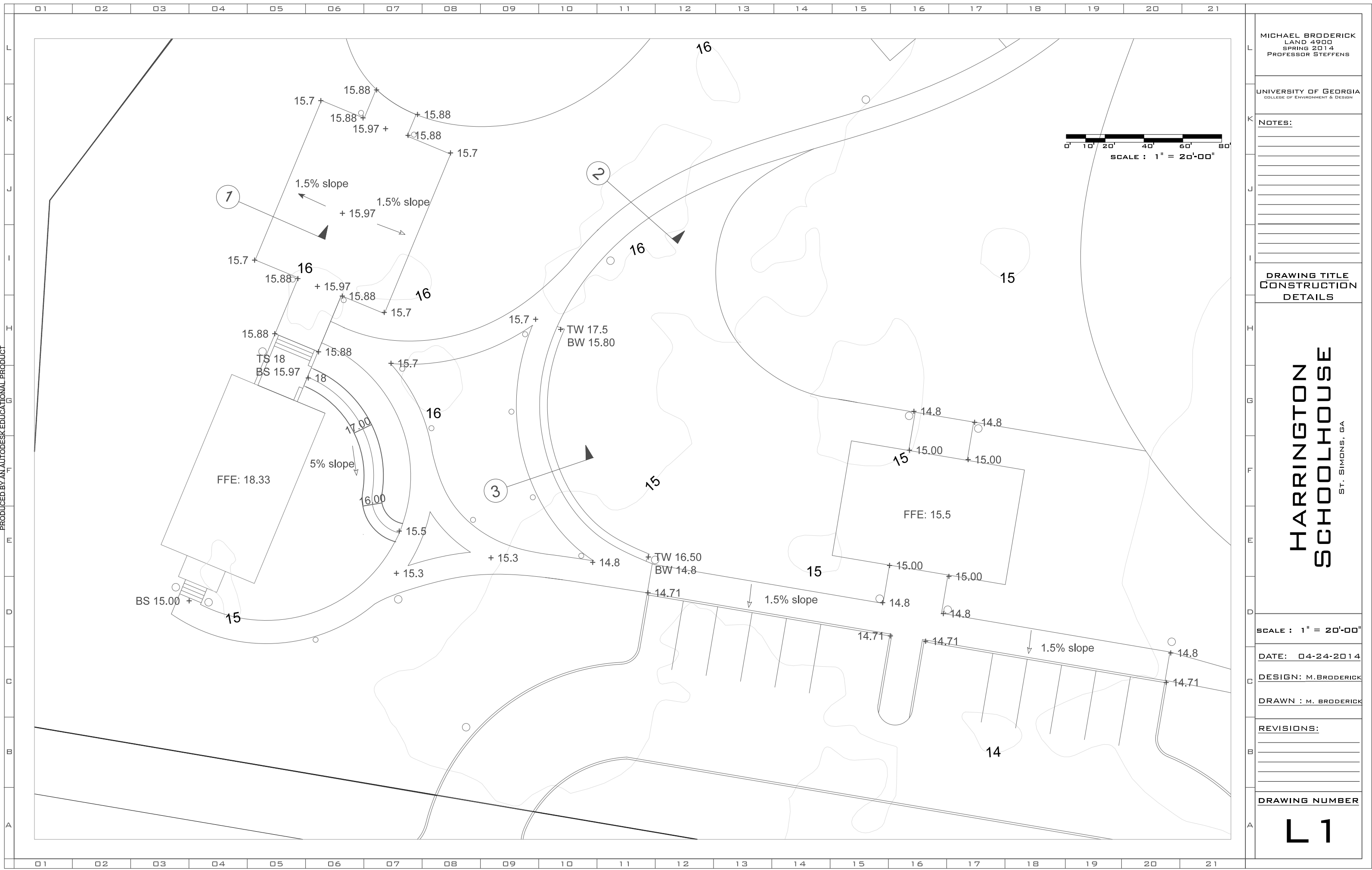
10-6-4 Fertilizer at the Rate of 1/2 bs per 1" of Trunk Diameter

Soil Mix: 2/3 Topsoil and 1/3 Organic Matter

Min. 6" Height Compacted Soil Mound

Guying for large trees

Not to Scale



MICHAEL BRODERICK
LAND 4900
SPRING 2014
PROFESSOR STEFFENS

UNIVERSITY OF GEORGIA
COLLEGE OF ENVIRONMENT & DESIGN

NOTES:

DRAWING TITLE
CONSTRUCTION
DETAILS

HARRINGTON
SCHOOLHOUSE
ST. SIMONS, GA

SCALE : 1" = 20'-00"

DATE: 04-24-2014

DESIGN: M. BRODERICK

DRAWN : M. BRODERICK

REVISIONS:

DRAWING NUMBER
L1



Harrington School

ST. SIMONS ISLAND, GEORGIA
GLYNN COUNTY

PARK RULES PROHIBIT:

- Littering or Dumping of Debris
- Barbequing Except in Designated Areas
- Using Illegal Drugs or Alcohol
- Amplifying Sounds, Except by Permit
- Feeding Birds or Squirrels
- Panhandling or Solicitation
- Entering the Park After it is Closed
- Performing or Rallying, Except by Permit
- Engaging in Commercial Activity, except by Permit
- Obstructing Entrances to the Park
- Rumming Through Trash Receptacles
- Vehicles Without Specific Authorization From Parks & Recreation

THIS PARK CLOSSES AT 9:00PM

For more information about Parks, call the City's Citizen Service Center at 311.
You can also visit us on the web at www.nyc.gov/parks



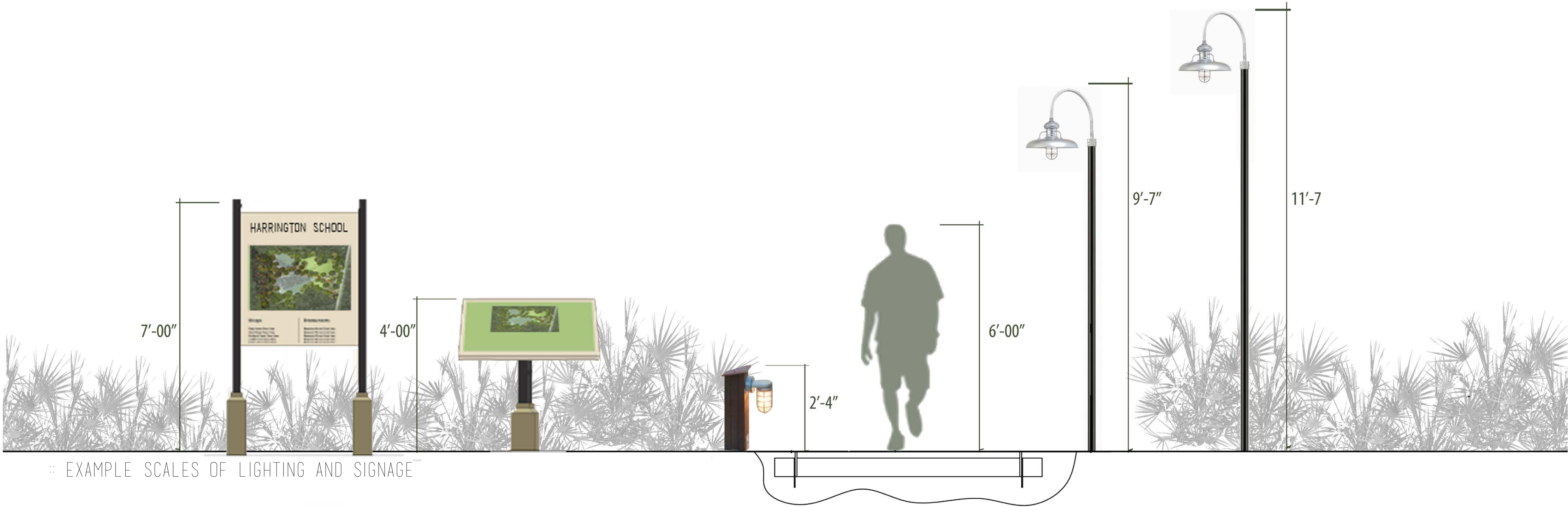









City of New York Parks & Recreation
Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner



EXAMPLE SCALES OF LIGHTING AND SIGNAGE




BARN LIGHTING STREET LIGHTING



LOWER PATH LIGHTING



CAFE LIGHTS FOR COURTYARD



The Harrington School

ST. SIMONS ISLAND, GEORGIA
GLYNN COUNTY

PARK RULES PROHIBIT:



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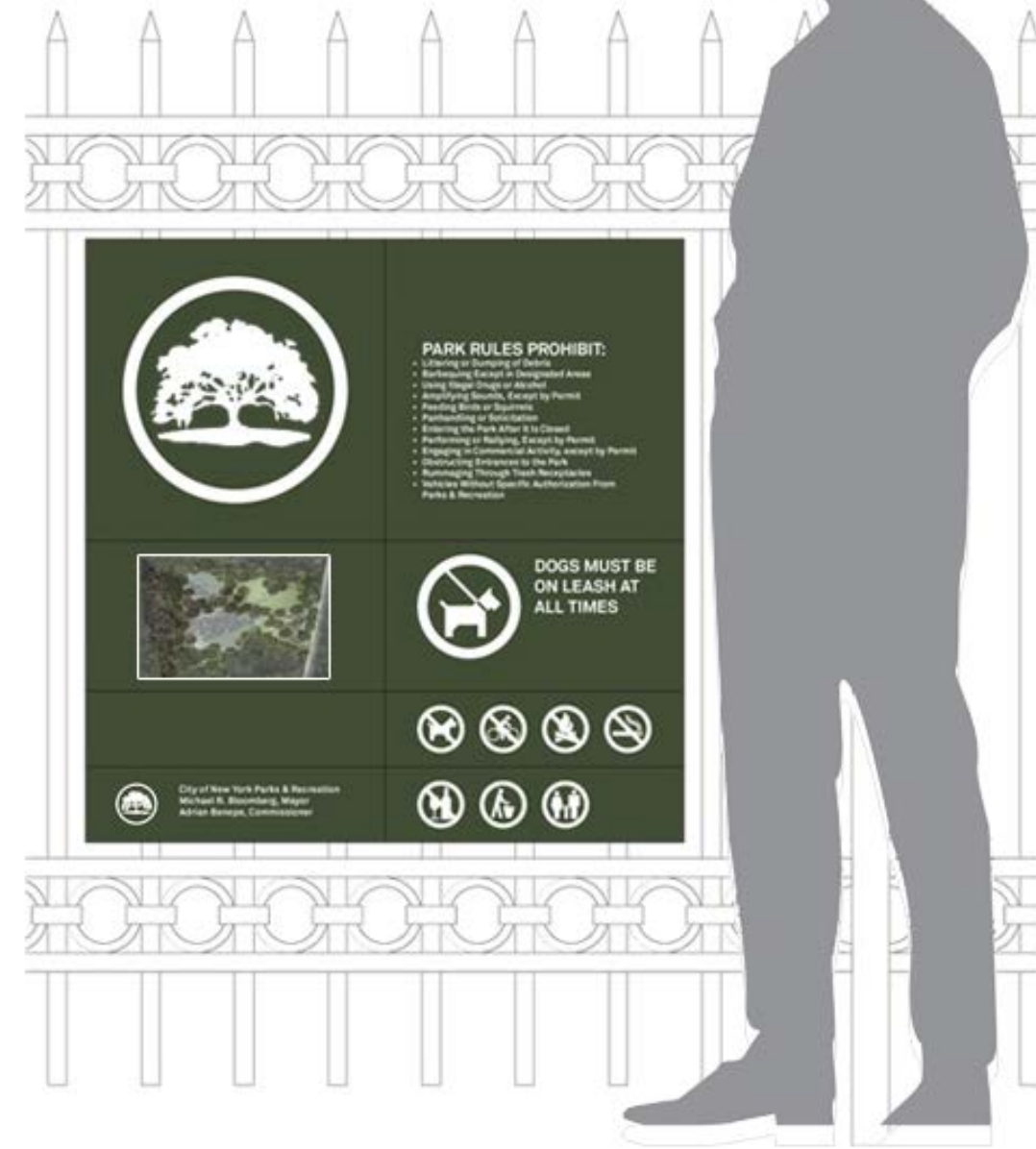
SIGNAGE OPTION 1



SIGNAGE OPTION 2



SIGNAGE OPTION 3

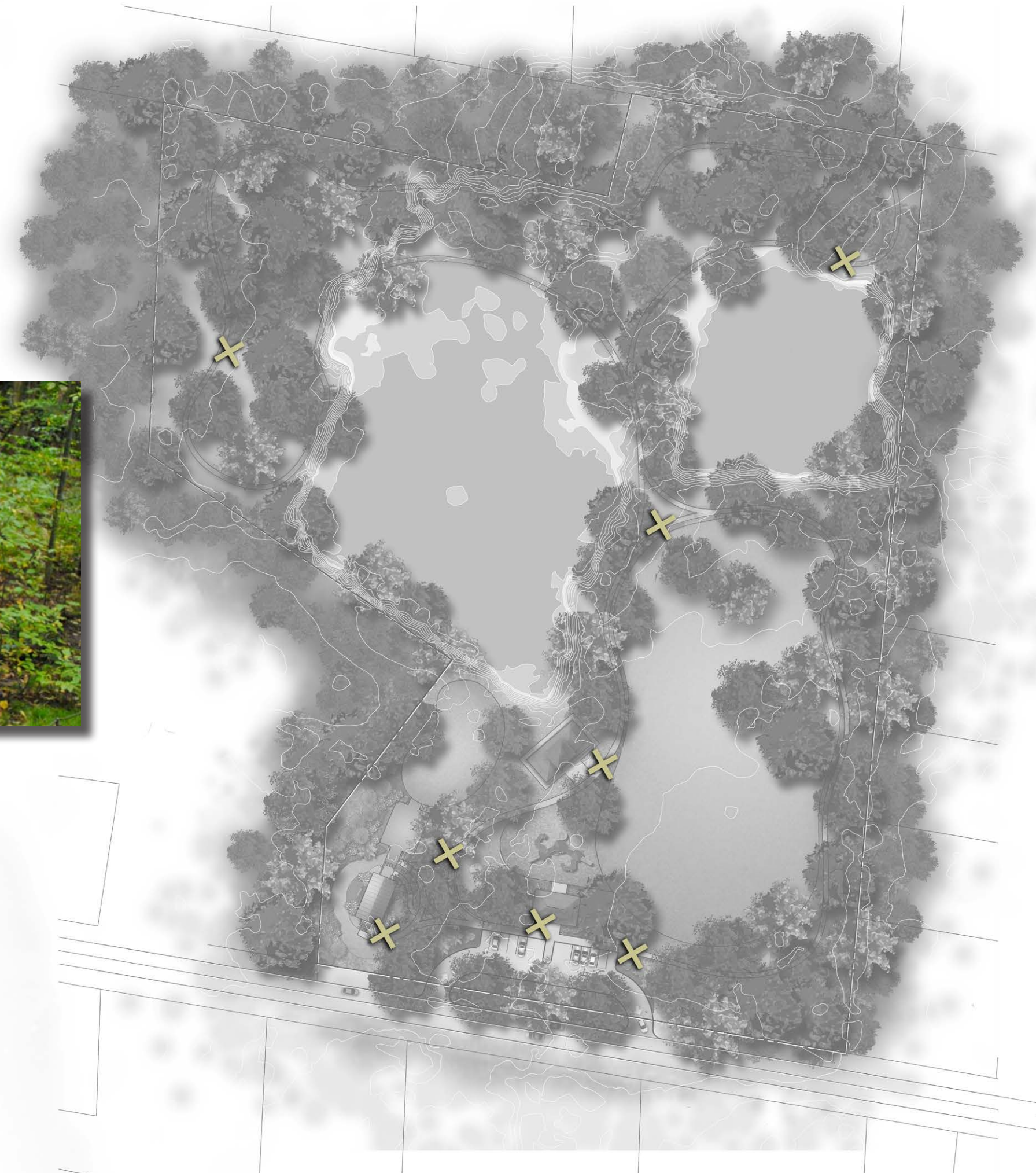


EXAMPLE OF TYPES AND SCALES OF SIGNAGE

INFORMATIONAL SIGNAGE



- about the gullah geechee corridor
- history of the school
- resotartion efforts
- site information
- surrounding site history



PLANT SCHEDULE

TREES					
BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	PRICE	
Cornus florida 'Weaver's White'	Flowering Dogwood	7	45 gal	\$150.00	\$1,050.00
Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Magnolia	10	14' B&B	\$380.00	\$3,800.00
Magnolia x soulangeana	Saucer Magnolia	1	45 gal	&150.00	\$150.00
Myrica cerifera	Wax Myrtle	7	45 gal	\$150.00	\$150.00

SHRUBS					
BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	PRICE	
Aspidistra elatior	Cast Iron Plant	142	1 gal	\$3.50	\$497.00
Camellia sasanqua	Camellia	3	15 gal	\$75.00	\$225.00
Hydrangea quercifolia 'Flemygea'	'Snow Queen' Oakleaf Hydrangea	12	3 gal	\$24.00	\$288.00
Illicium floridanum	Anise Tree	2	15 gal	\$45.00	\$90.00
Rhapidophyllum hystrix	Needle Palm	18	7 gal	\$45.00	\$810.00
Rhododendron minus 'Gable's Form'	Gable's Form Azalea	52	7gal	\$35.00	\$1,820.00
Serona repens	Saw Palmetto	19	7gal	\$45.00	\$855.00

GROUNDCOVERS & PERENNIALS					
BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	PRICE	
Convallaria majus	Lily of the Valley	140 sq ft	1 gal	\$8.00	\$1,120.00
Dryopteris ludoviciana	Southern Shield Fern	51	3 gal.	\$3.95	\$201.45
Iris cristata	Crested Iris	126	1 gal	\$5.00	\$630.00
Pachysandra procumbens	Allegheny Spurge	5,457 sq ft	1 gal	\$2.85	\$15,552.45
Phlox stolonifera	Creeping Phlox	355 sq ft	Flat	\$49.68	\$346.76

SOD					
BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	PRICE	
Stenotaphrum secundatum 'Captiva'	St. Augustine	10, 705 sq ft	Pallet	\$145.00	\$3,104.45
				Overall Price :	\$30,690.11







PARKING LOT/ PATH PERSPECTIVE



COURTYARD PERSPECTIVE



