The ASHANTILLY CENTER
DARIEN, GA
ENVIRONMENTAL STEWARDSHIP, COMMUNITY INTEGRATION + CULTURAL LEGACY

MICHAEL BOHAN. PROF STEFFENS. LAND 4900. SPRING 2015
ASHANTILLY ECOSYSTEM

TERTIARY + QUATERNARY CONSUMERS

PRIMARY + SECONDARY CONSUMERS

TIDAL CREEK

MUD FLATS

THREATENED SPECIES: WOOD STORK

OUTLOOK

GUEST HOME

BLUFF

ASHANTILLY CENTER

OLD HARDWOOD FOREST

DEMONSTRATION FOREST

SALT MARSH

62%

50 ACRES

MARITIME FOREST

17.5%

14 ACRES

LONG LEAF PINE FOREST

20%

16 ACRES

PERCENTAGE OF LAND TYPE AT ASHANTILLY
ASSOCIATED GRANTS:

ENVIRONMENTAL EDUCATION (EE) GRANT:
2 MIL - 3.5 MIL A YEAR

COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND:
25% PAID BY STATE

NORTH AMERICAN WETLANDS CONSERVATION ACT
1:1 MATCH

NATIONAL COASTAL WETLANDS CONSERVATION GRANTS
ALTAMAHA PLANTATION ACQUISITION [ON-GOING PROJECT]
COMMUNITY INTEGRATION:
EDUCATION PROGRAMS

LEGEND
A: ASHANTILLY
1: MCINTOSH COUNTY MIDDLE SCHOOL, OAK GROVE INTERMEDIATE SCHOOL
   + DARIEN PUBLIC SCHOOL: 1.5 MILES
2: OGLETORPE ACADEMY: 1.9 MILES
3: TODD GRANT ELEMENTARY SCHOOL: 2.2 MILES
I: ALTAMAHA RIVER CORRIDOR
II: HIGHLANDER GREENWAY CORRIDOR

SCALE: 1" = 3/4 MILE

TEACHING OPPORTUNITIES
ED. SIGNAGE
ART: PRINT + PAPER
EXCERSIZE: NATURE TRAIL
ENVIRONMENTAL STEWARDSHIP, COMMUNITY INTEGRATION + CULTURAL LEGACY

The design of Ashantilly will embody the legacy left by the Spalding + Haynes families, one of agricultural + architectural innovation and the desire to share that knowledge with the community. The design balances the conservation of wildlife habitats with eco-tourism opportunities, with the intent to educate the public through environmental interaction. The Site is at the threshold for numerous systems [the Altamaha River, East Coast Trail, Ga Hwy 99] and seeks to capitalize on these corridors to facilitate visitors, while creating programs and visitor groups that will sustain the Ashantilly Center.

MISSION STATEMENT:

TO CONNECT ASHANTILLY WITH THE NATIVE, COASTAL GEORGIA ECOLOGY THROUGH ENVIRONMENTAL STEWARDSHIP, EDUCATION, + OPPORTUNITY.
- Increase public awareness of ecosystems on site [saltmarsh, maritime forest, long leaf pine forest]
  - Nature Trails + Signage
  - Access to water with Boardwalks + Docks
  - Waterfowl Research Center
  - Link to National Refuges in area + current Environmental Ed. Centers
- Promote Eco - Tourism
  - Kayak + Fishing Opportunities
  - Camping Opportunities [Primative, Lodge + Yurts on water]
  - Bicycling + Walking Trails

TO ENCOURAGE + FACILITATE FUTURE VISITORS TO INTERACT WITH THE SITE, WHILE SUSTAINING THE ASHANTILLY CENTER PROGRAM.
- Designate Event space [provide for 100-200 people]
- Define circulation
  - Entrance will emphasize Front Facade
- Repurpose historic fountain + Garden + handmade material
- Designate bonfire location [tabby creation display] + classroom space

PROVIDE FEASIBLE + SUSTAINABLE IMPLEMENTATION + MAINTENANCE
- Obtain Grants
- Create Staff position that lives on residence
- Programs that generate revenue
- Connect to School programs [cross country + Ed.] and boys + girls clubs [Boy Scouts of America]
Conceptual Designs:

Importance:
- Road corridor that puts focus on the front facade
- Connect Highlander Trail to Ashantilly Center
- Connect to Saltmarsh + Tidal Stream
- Programs that limit land disturbance [campgrounds + trails]
- Event space near Center
- Convenient parking
ASHANTILLY ENTRANCE AT DAWN:
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>SYMBOL</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>REMARKS</th>
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<tr>
<td>20</td>
<td>UP</td>
<td>UNICOLA PANICULATA</td>
<td>INLAND SEA OATS</td>
<td>3 GALLONS</td>
<td>3' SPACING</td>
<td>12 EACH : 240.00</td>
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<td>6</td>
<td>HQ</td>
<td>HYDRANGEA QUERCIFOLIA</td>
<td>OAKLEAF HYDRANGEA</td>
<td>3 GALLONS</td>
<td>5' SPACING OC</td>
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<td></td>
<td>LI</td>
<td>LANTANA CAMARA</td>
<td>DWARF LANTANA</td>
<td></td>
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<td>GROUNDCOVERS</td>
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<tr>
<td>43</td>
<td>TA</td>
<td>TRACHELOSPERMUM ASIATICUM</td>
<td>ASIAN JASMINE</td>
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<td>18&quot; SPACING</td>
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<td>3</td>
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<td>CUPRESSUS SEMPERVIRENS</td>
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<td>TOTAL : 1020.00</td>
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</table>
Red, tin roof
Tabby Concrete
Opening to emit light
1' x 1' x 8" cavity space to hold Cambria 230 Flood Uplight
Sand colored, Sand Blasted Stone Veneer
1" Mortar
1' x 8" CMU
Concrete Foot, below 12" Frost line depth

TABBY ENTRANCE LIGHT PILLAR
SCALE: 1" = 2'
CENTRAL EVENT SPACE:

- ASHANTILLY CENTER TABBY ENTRANCE WALK
- HALF CIRCLE DRIVE
- TEMPORARY EVENT TENT SPACE ON DRIVE

- COLORFUL SHADE LOVING PLANT MOSAIC
- OPEN CURVILINEAR CEDAR BENCHES
- INSIGNIA OF SCOTTISH KNOT COMPASS
- TABBY BONFIRE DEMONSTRATION SPACE
- CANARY PALMS ARE THE ENTRANCE TO THE SALTMARSH VISTA
- LINEAR TABBY PAVING TO DENOTE CROSSWALK
- BIOMORPHIC "ISLAND CHAIN" SEATING
- AROMATIC, FORMAL PLANTINGS
- CURVILINEAR CEDAR BENCHES WITH BACK REST
CENTRAL EVENT SPACE

[TENT SPACE AVAILABLE] [LIGHTING] [ACTIVE + PASSIVE SEATING] [TABBY DEMONSTRATION COURTYARD] [PLANTINGS TO EMPHASIZE ASHANTILLY FACADE + DEFINE SPACE]
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>SYMBOL</th>
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<th>COMMON NAME</th>
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<th>REMARKS</th>
<th>COST</th>
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<td>165</td>
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<td></td>
<td>CD</td>
<td>CYDONIA DACTYLON</td>
<td>BERNUDA GRASS</td>
<td>SOD</td>
<td>0.35 PER 50 SQ FOOT</td>
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<td>128</td>
<td>MC</td>
<td>HELLEBORUS ORIENTALIS</td>
<td>LENTEN ROSES</td>
<td>1 GALLON</td>
<td>24&quot; SPACING</td>
<td>8 EACH : 1584.00</td>
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<td>PV</td>
<td>DRYOPTERIS ERYTHROSORA</td>
<td>BRILLIANCE</td>
<td>1 GALLON</td>
<td>24&quot; SPACING</td>
<td>3.75 EACH : 341.25</td>
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<tr>
<td>32</td>
<td>GJ</td>
<td>GARDENIA JASMINOIDES</td>
<td>GARDENIA</td>
<td>7 GALLON</td>
<td>50 EACH : 1600.00</td>
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<td>54</td>
<td>RI</td>
<td>RHODODENDRON INDICUM</td>
<td>AZALEA, FORMOSA</td>
<td>3 GALLON</td>
<td>6.65 EACH : 359.10</td>
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<tr>
<td></td>
<td></td>
<td>&quot;FORMOSA RED&quot;</td>
<td>RED</td>
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<td>TREES</td>
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<td>6</td>
<td>CS</td>
<td>CUPRESSUS SEMPERVIRENS</td>
<td>ITALIAN CYPRESS</td>
<td>25 GALLON</td>
<td>200 EACH : 1200.00</td>
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<td></td>
<td>PC</td>
<td>PHOENIX CANARIENS</td>
<td>CANARY PALM</td>
<td>25 GALLON</td>
<td>215 EACH : 430.00</td>
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<td>TOTAL : 8430.35</td>
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**CENTRAL EVENT SPACE PLANT SCHEDULE**
Site Furnishing [Investigation]

Cedar Wood Benches

Tabby Night Lighting

Biomorphic Benches
CONSTRUCTION DETAILS:
CENTRAL EVENT SPACE
1. 
**CURVED COMFORT CEDAR + TABBY BENCH**

- 2" X 2" X 4' CEDAR BEAMS, FASTENED WITH GALVANIZED STEEL SCREWS
- TABBY CONCRETE, PRE-CAST

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2. 
**TABBY LIGHT PILLAR**

- Red, tin roof
- Tabby Concrete
- Opening to emit light
- 1' x 1' x 6' cavity space to hold Cambria 230 Flood Uplight
- Sand colored, Sand Blasted Stone Veneer with 1" mortar
- SeaOats Engraved veneer, 1" Mortar
- 1' x 8" CMU
- Concrete Foot, below 12" Frost line depth
- 6" # 57 Stone setting bed
- Compacted Sub Grade

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3. 
**CANCY PALM PLANTING**

- Canary Palm
- Flexible straps to secure tree and allow trunk movement
- Rootball 3" above finish grade
- 3" mulch ring around hole without covering tree roots
- 30" Wooden Stakes
- Remove twine and burlap from top half of rootball
- Diameter of hole to be triple the diameter of the rootball
- Sit rootball on undisturbed soil to prevent settling
CABIN CAMPGROUND:

[TENT SPACE AVAILABLE]  [LIGHTING]  [ACTIVE + PASSIVE SEATING]  [TABBY DEMONSTRATION COURTYARD]  [PLANTINGS TO EMPHASIZE ASHANTI FACADE + DEFINE SPACE]
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<td>67</td>
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<td>UNICOLA PANICULATA</td>
<td>INLAND SEA OATS</td>
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<td>3' SPACING</td>
<td>12 EACH : 804.00</td>
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<td>SHRUBS</td>
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<td>49</td>
<td>RI</td>
<td>RHODODENDRON INDICUM 'FORMOSA RED'</td>
<td>AZALEA, FORMOSA RED</td>
<td>3 GALLON</td>
<td></td>
<td>6.65 EACH : 325.85</td>
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<td>FERNS</td>
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<td>46</td>
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<td>SAW PALMETTO</td>
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<td>GREEN SILVER</td>
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<td>47</td>
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<td>DRYOPTERIS ERYTHROSORA BRILLANCE</td>
<td>BRILLANCE AUTUMN FERN</td>
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<td>3.75 EACH : 176.25</td>
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<td>16</td>
<td>SP</td>
<td>SABAL PALMETTO</td>
<td>SABAL PALM</td>
<td>18' CT</td>
<td></td>
<td>135 EACH : 2160.00</td>
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VIEW OF THE EDUCATIONAL GREENROOF
Meeting Lodge [Investigation]

Building System:
[Capture Rainwater]
[Green Roof]
[Bicycle Rental Facility]
[Parking Deck]
[Cistern]

[Restroom Facility]

Facility:
Parking Deck: 32 Cars per Level [3 level max]
Bicycle Rental
Meeting area [conference room or Classroom]
Green Roof + Garden Space [Green House]
Restrooms

Green Roof will incorporate Dune Plantings

Green Roof Logistics:
- Sweeping Plant Mosaic
- Mulch: to prevent erosion
- Soil: 4 inches
- Drainage: 1 inch aggregate
- Waterproof membrane
- Parking Deck Structure

Roof Top Vegetable Gardening:

<table>
<thead>
<tr>
<th>Start Seeds Indoors</th>
<th>Plant Seed/Transplant</th>
<th>Harvest</th>
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<td>Mar</td>
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<td>Dec</td>
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<tr>
<td>Beets</td>
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<td>Broccoli</td>
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<td>Brussels Sprouts</td>
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<td>Tomatoes</td>
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Green Roof Plant Selection:

- Cucumber Sunflower [Helianthus debilis]
- Morning Glory [Ipomoea purpurea]
- Stone Crop [Sedum spurium]
- Glasswort [Salicornia spp]
- Beach Pea [Lathyrus japonicus]
- Prickly Pear [Opuntia humifusa]

Meeting Lodge Exterior Plant Selection:

- Formosa red Azalea [Rhododendron Indicum ‘Formosa’]
- Sabal Palm [Sabal palmetto]
- Inland Sea oats [Unicola paniculata]
- Autumn Fern Brilliance [Dryopteris erythrosora ‘Brilliance’]
- Saw Palmetto ‘Silver’ [Serenoa repens ‘Silver’]
- Flowering Dogwood [Cornus Florida]

**GREEN ROOF PLANT SCHEDULE**

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<th>QUANTITY</th>
<th>SYMBOL</th>
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<td>HD</td>
<td>HELIANTHUS DERBUS</td>
<td>CUCUMBER SUNFLOWER</td>
<td>4&quot;</td>
<td>36&quot; SPACING OC</td>
<td>2.50 each : $427.50</td>
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<td>24</td>
<td>CF</td>
<td>CORNUS FLORIDA</td>
<td>FLOWERING DOGWOOD</td>
<td>30G</td>
<td>18&quot; SPACING OC</td>
<td>10 each : $300.00</td>
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**MEETING LODGE EXTERIOR PLANT SCHEDULE**

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<td>5 Gallon</td>
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<td>RHODODENDRON INDICUM</td>
<td>FORMOSA AZALEA</td>
<td>3 Gallon</td>
<td>6.50 each : $232.50</td>
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<td>100</td>
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<td>SERENOAA REPENS</td>
<td>SAW PALMETTO</td>
<td>3 Gallon</td>
<td>16 each : $144.00</td>
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<td>100</td>
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<td>DRYOPTERIS ERYTHROSCARA BRILLIANCE</td>
<td>AUTUMN FERN</td>
<td>1 Gallon</td>
<td>36&quot; SPACING</td>
<td>3.25 each : $251.25</td>
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<td>SABAL PALMETTO</td>
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<td>18&quot; CT</td>
<td>136 each : $1215.00</td>
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<tr>
<td>100</td>
<td>CS</td>
<td>CORNUS FLORIDA</td>
<td>FLOWERING DOGWOOD</td>
<td>30G</td>
<td>14G each : $335.00</td>
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TOTAL: $7058.50
TOTAL: $7678.75
Rookery Island: Habitat Conservation + Eco-tourism
Phase Plan:

**Phase 1:**
- Entrance Designation
- The Central Event Courtyard
- Parking Lot 1
- Vista Walk

**Phase 2:**
- Primitive Campground
- Promenades
- Connecting Trails

**Phase 3:**
- Boy Scout Pavilion
- Cabin Campground
- Long Leaf Pine Ed. Pavilion
- Parking Lot 2
- Complete Trail Network

**Phase 4:**
- Boardwalk
- Island creation

**Phase 5:**
- Research Facility / Boat House
- Parking Lot 3

**Phase 6:**
- Meeting Lodge
  - [Bicycle Rental, Restrooms, Parking Deck, Green Roof]
  - Green House Classroom
THE ASHANTILLY CENTER
DARIEN, GA

LEGEND

1. ASHANTILLY CENTER ENTRANCE
2. P. PROMENADE
3. MEETING LODGE
4. GREEN ROOF, PARKING DECK + BICYCLE RENTAL
5. ASHANTILLY PRINTING PRESS [EXISTING]
6. RESEARCH CENTER + BOAT HOUSE
7. VISITOR’S QUARTERS [ARTIST IN RESIDENCE]
8. BOARDWALK
9. YURT CAMPING IN SALTMARSH
10. DOCK
11. CENTRAL EVENT SPACE
12. OLD TABBY - ASHANTILLY CENTER
13. STORAGE BUILDING [EXISTING]
14. ROOKERY ISLAND
15. CAMPGROUND ENTRANCE
16. PRIMITIVE CAMPGROUND [10 SPOTS]
17. CABIN CAMPGROUND
18. BOY SCOUTS’ WILLOW
19. N. PROMENADE
20. LONG LEAF WILDFLOWER ED. PAVILION
21. HIGHLANDER TRAIL

HABITAT CONSERVATION

ECO TOURISM

SCALE: 1” = 180’

SCALE: 1” = 60’

MASTER PLAN
MICHAEL BOHAN - PROF. STEFFENS - LAND 4900 - SPRING 2015