

Depot Park Update

October 9, 2008
Gainesville CRA



Cade Museum

- Organizers selected Depot Park
- “Inspiration, Invention, Innovation”
- Interactive, community process
- Planning is moving forward



Proposed site



Cade Museum – Design Team

- Architect - E. Verner Johnson and Associates
- Exhibit Design - Amaze Design
- Landscape Architect – Carol R. Johnson Associates (CRA consultant)
- CRA participates in planning and coordinates between designers
- Firms chosen based on ability to unify all park elements



E. Verner Johnson

40 year history of museum design

- Boston Museum of Science: one of the first modern science museums
- St. Louis Science Center
- Great Lakes Science Center (Cleveland)
- Virginia Aquarium and Marine Science Center
- Museum of Discovery and Science (Ft. Lauderdale)
- Museum of Science and Industry (Chicago)



E. Verner Johnson

Project Profile: Great Lakes Science Center – Cleveland, Ohio

- Project is on 6.6 acres on Lake Erie
- Building area: 165,000 square feet
- IMAX dome theater has 320 seats
- Outdoor exhibits: 12,000 square feet



E. Verner Johnson

Project Profile: Great Lakes Science Center – Cleveland, Ohio



E. Verner Johnson

Project Profile: Great Lakes Science Center – Cleveland, Ohio



Amaze Design

Amaze Design creates exhibitions that compliment the project architecture, create a strong institutional identity, engage learners of all types, provide opportunities for public programming and showcase emerging technologies of the arts, sciences and entertainment.

Portfolio

- National Museum of Australia
- Birmingham Civil Rights Institute
- Longyear Museum
- American Jazz Museum



Amaze Design

Project Profile: American Jazz Museum, Kansas City

- 11,000 square feet of exhibits
- Exhibits: recorded music, artifacts, concerts, dance performances
- “Discovery Room” teaches children how to dance, make instruments



Amaze Design

Project Profile: American Jazz Museum, Kansas City



Amaze Design

Project Profile: American Jazz Museum, Kansas City



Carol R. Johnson & Associates

50 year history of landscape architectural practice

- One of the most respected LA practices in the country
- Woman owned firm
- International reputation: office in Abu Dhabi
- Dedicated to public service and quality in design and construction



Carol R. Johnson & Associates

Project Profile: Chinatown Park, Boston





Stormwater Ponds and Wetlands

Phase I Stormwater Ponds – Current Conditions



Downtown stormwater quality characteristics,
currently no pre-treatment*, public-water interaction amenities proposed

Phase I Stormwater Ponds – Current Conditions



April – September: long hydraulic residence time (3+ weeks), increased sunlight and photosynthesis, shallow/hot water, increased nutrient cycling, algae growing season, excessive eutrophication

Phase I Stormwater Ponds – Current Conditions



Invasive aquatic vegetation –
hydrilla at approximately 95% cover

Mitigated Wetland - Functions



- Wetland Classifications
 - Littoral zone
 - Enhanced hardwood wetland
 - Pond overflow conveyance ditch
- Wetland Functions
 - Habitat
 - Sediment trapping
 - Potential nutrient uptake and temporary sequestration
 - Aesthetics
- Phase I Wetlands
 - Constructed 2006
 - Strict permit requirements for % exotic/nuisance species
 - Littoral zone < 5%
 - Hardwood < 1%

Phase I Wetlands – Littoral Zone Wetland



Invasive littoral zone vegetation – Cattail (nutrient loving)

Phase I Wetlands – Enhanced Hardwood Wetland



Long dry periods, hydrologic connection to ponds at low elevation point, lacking hydric soils, differing maintenance goals
Permit requires “wetland species reproducing naturally, hydrology sufficient to maintain mixed hardwood wetland”

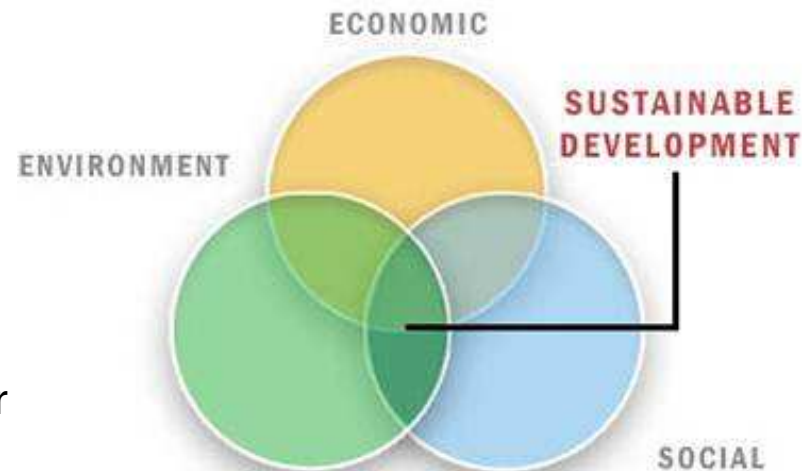
Phase I Wetlands – Ditch



Mitigated wetland, overflow conveyance to Sweetwater Branch

Stormwater Pond and Wetland – Challenge

- Improve stormwater pond and wetland...
 - Functioning
 - Aesthetics
 - Permit compliance
- Minimize
 - Costs
 - Maintenance
- The Perfect Study!
 - Comparison: Phase I ponds vs. RTS
 - Environmental conditions similar
 - Different water quality characteristic inputs
 - Different system outcomes
- Adaptive management approach
 - Learn from Phase I
 - Apply lessons to Phase II



Stormwater Pond, Wetland – Path to Solutions

- Consult peer-review resources experienced in large stormwater park/development projects
 - **Carol R. Johnson and Associates**
 - **Nitsch Engineering**
- Review Phase I and II pond/wetland design
- Explore design modifications and retrofit opportunities
- Align maintenance goals and requirements
- Public Works and Parks are assisting
- Recommendations anticipated in December



*Carol R
Johnson Inc.,
Upper Charles
River Project*



*Nitsch
Engineering,
The Dell
regional
stormwater
master plan*

Photo by Nelson Byrd Woltz Landscape Architects

Design of Park Elements

- Request for Qualifications for park design services in process
- Selected firm will design all major park elements and complete construction documents
- Design/Build approach will be pursued



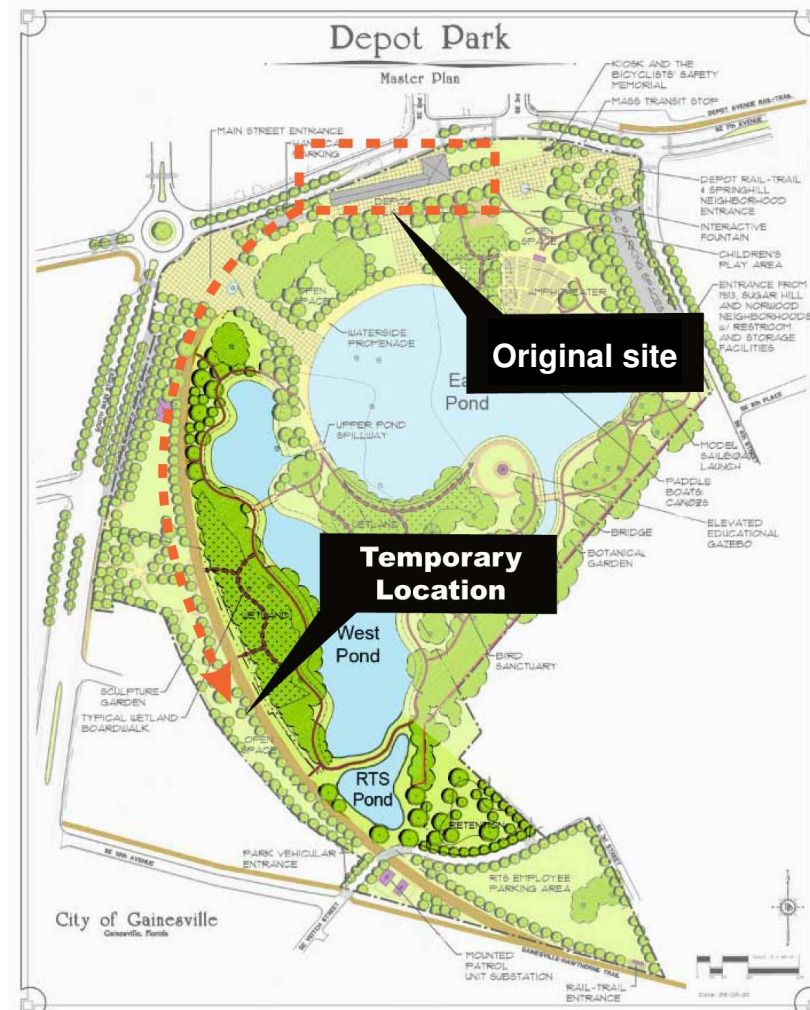
Design and Technical Standards

- Contract with Carol R. Johnson and Associates
- Public process
- CRJA, E. Verner Johnson and Amaze coordinating on design approach
- Standards will bring all park elements into agreement



Depot Relocation & Rehabilitation

- Move is underway
- Contamination cleanup is needed beneath the building
- Stored in southwest corner of the park off of the rail trail
- Unclear on remediation start and completion dates



Depot Building Rehabilitation

- Request for Qualifications is in process for rehab design services
- To produce final construction documents



Depot Ave Reconstruction

- CRA has budgeted for incremental costs to construct sidewalk paving and lighting enhancements



Remediation - GRU

- GRU to present results of soil testing and revised site remediation alternatives