# Welcome to the 2023 FRPA Conference!



August 28 - 31, 2023 | Orlando, FL









# Chris Hite, FSLA Kody Smith, PLA Sheeba West, PLA

Contact:chite@dixhite.com ksmith@dixhite.com swest@dixhite.com



# **LEARNING OBJECTIVES**

- 1. Design park spaces to multi-task for maximum benefit environmentally, socially, and economically.
- 2. Understand the importance of Parks as Green Infrastructure to address Community Resilience.
- 3. Designing parks to adapt to inland flooding and storm surge.

# Schedule

9:15-10:00 Course Content

10:00-10:15 Q & A

- Introduction
- Case Study One: Solary Park
- Case Study Two: Crest Lake Park



### **OUR PROCESS**

Collaborative, insightful, and curious - who we are is how we work.

We're true believers in the power of the design process. To help clients meet their goals, we apply the "6D" approach: a transparent and scalable process that engages the entire design team in collectively identifying opportunities and constraints.

These steps provide a framework for project management, ensuring that outcome matches the intent and that the results fulfill the vision. As details of the project are uncovered, we adapt our approach to meet specific goals, deliverables, and timeframes.

Dix.Hite team members hold the 6D method integral to the firm's culture and creativity and have applied it successfully to numerous design projects.



### THE 6D PROCESS

The name, "6D," refers to the steps in the process: dream, discover, design, discuss, document and deliver. Each step of the way, progress is checked against the dream, helping ensure that the outcomes meet the intent and that the results fulfill the vision.













### DREAM

At the outset of the project, the Dix.Hite team seeks input from the client and stakeholders to understand needs and aspirations. We uncover the "why" of the project and identify common goals and potential solutions that will inform the design responses. The dream can be elicited through a variety of tools, including kickoff meetings, stakeholder surveys, public meetings, workshops or charrettes. Each remaining step of the 6D process is validated against the dream to ensure the final outcome meets the vision.

### DISCOVER

During this phase, we collect and document the physical, environmental and cultural context that influences the study area. We create digital base data, observe existing conditions and document elements that may inform the next design phase. A SWOT analysis of strengths, weaknesses, opportunities and threats is often created to illustrate the findings. This phase ideally includes an evaluation of funding opportunities.

### DESIGN

With the dream identified and existing conditions and opportunities understood, design begins. Potential solutions are communicated through diagrammatic plans, reports, graphics or other deliverables that address programmatic and spatial relationships, while taking into account critical path permit issues, schedule, existing policies and budget parameters.

### DOCUMENT

The conceptual design is advanced to plans, sections, details and outline specifications. The team coordinates across disciplines to create one cohesive document submittal. This may include a statement of probable cost, updated permit schedule or phasing strategies.

### **DELIVER**

The Dix.Hite team is committed to implementation and provides services to help clients navigate bidding, permitting, and construction. We take great professional pride in being with clients from the initial visioning session all the way through ground breaking and grand opening.

### DISCUSS

Critical to the success of the process, this step validates the options. The design team, client and stakeholders come back together to review the design solutions and collaborate on modifications. This step occurs continually throughout the process.







# **Crest Lake Park**

# **Environmentally**

Closed Basin Capturing Runoff from Neighborhood

# Socially

Gateway Park of Clearwater

# **Economically**

BP Oil Spill Settlement \$6.5 M / 39 Acre Park CMAR



...in many cases the first flush of , stormwater in an urban area may have a level of contamination much higher than normally present in sewage...

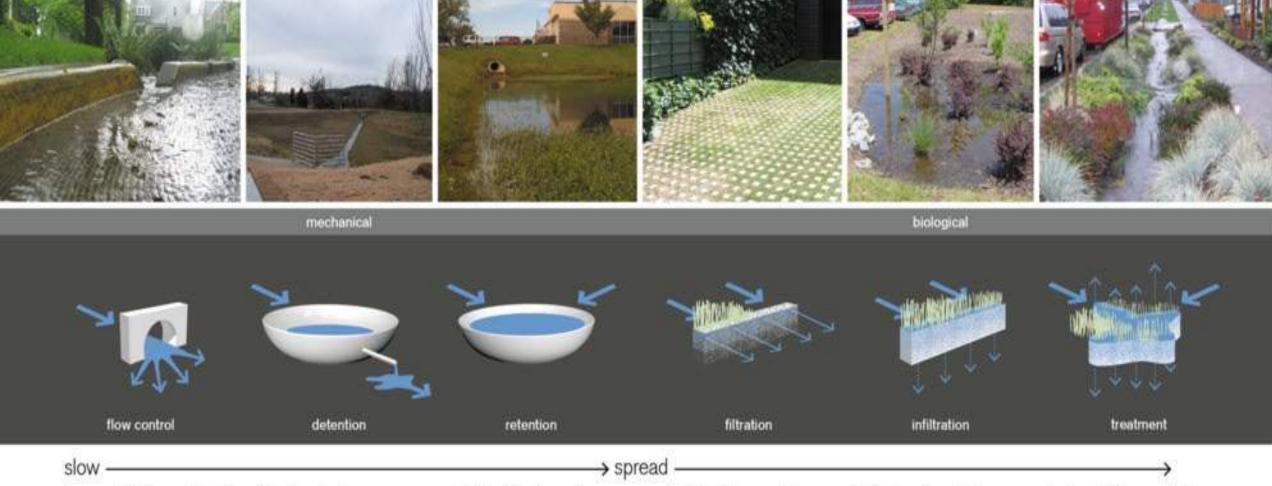
99

Cong Congress and Microel Ogite

What if urban stormwater infrastructure enhanced ecological tunctioning to serve as a civic asset rather than an environmental

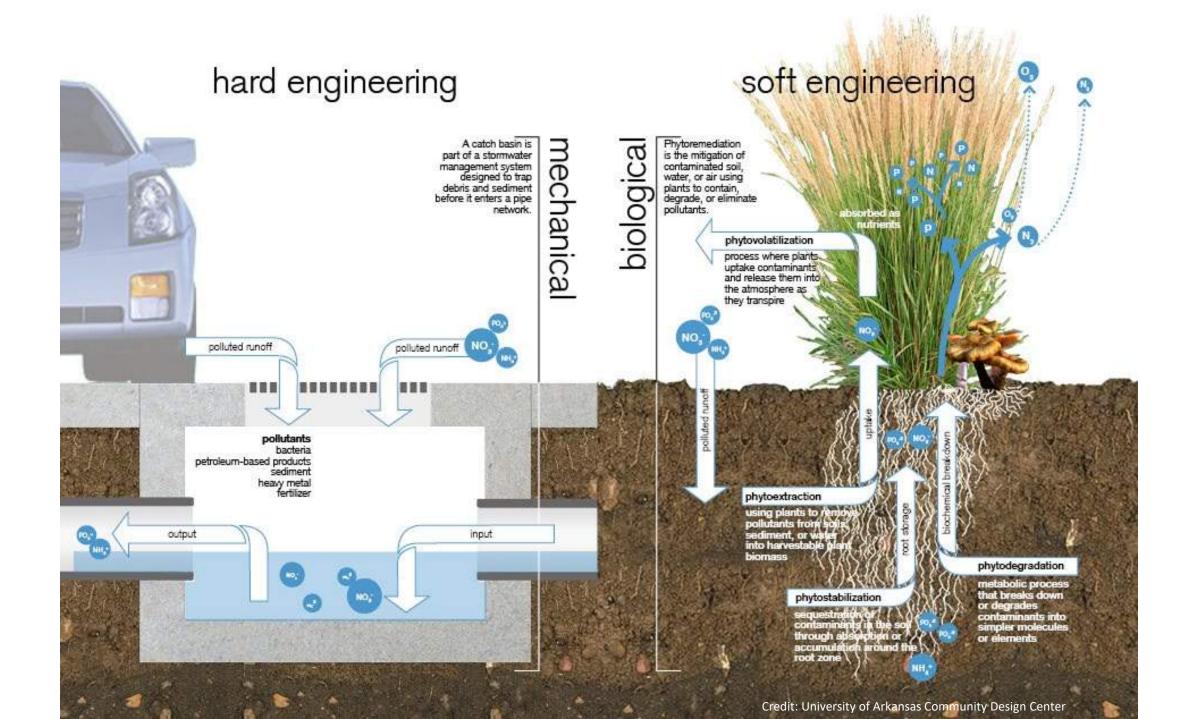
impervious surfaces

Credit: University of Arkansas Community Design Center



flow control: The regulation of stormwater runoff flow rates.

detention: The temporary storage of stormwater runoff in underground vaults, ponds, or depressed areas to allow for metered discharge that reduce peak flow rates. retention: The storage of stormwater runoff on site to allow for sedimentation of suspended solids. filtration: The sequestration of sediment from stormwater runoff through a porous media such as sand, a fibrous root system, or a man-made filter. infiltration: The vertical movement of stormwater runoff through soil, recharging groundwater. treatment: Processes that utilize phytoremediation or bacterial colonies to metabolize contaminants in stormwater runoff.



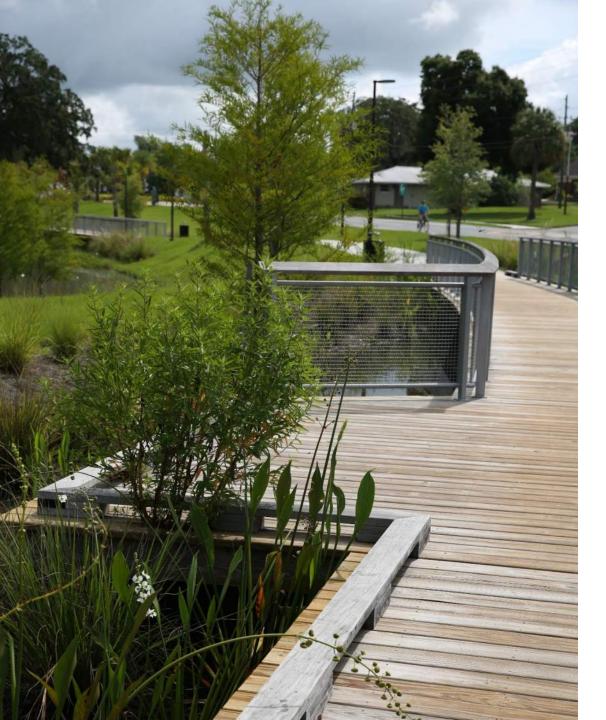








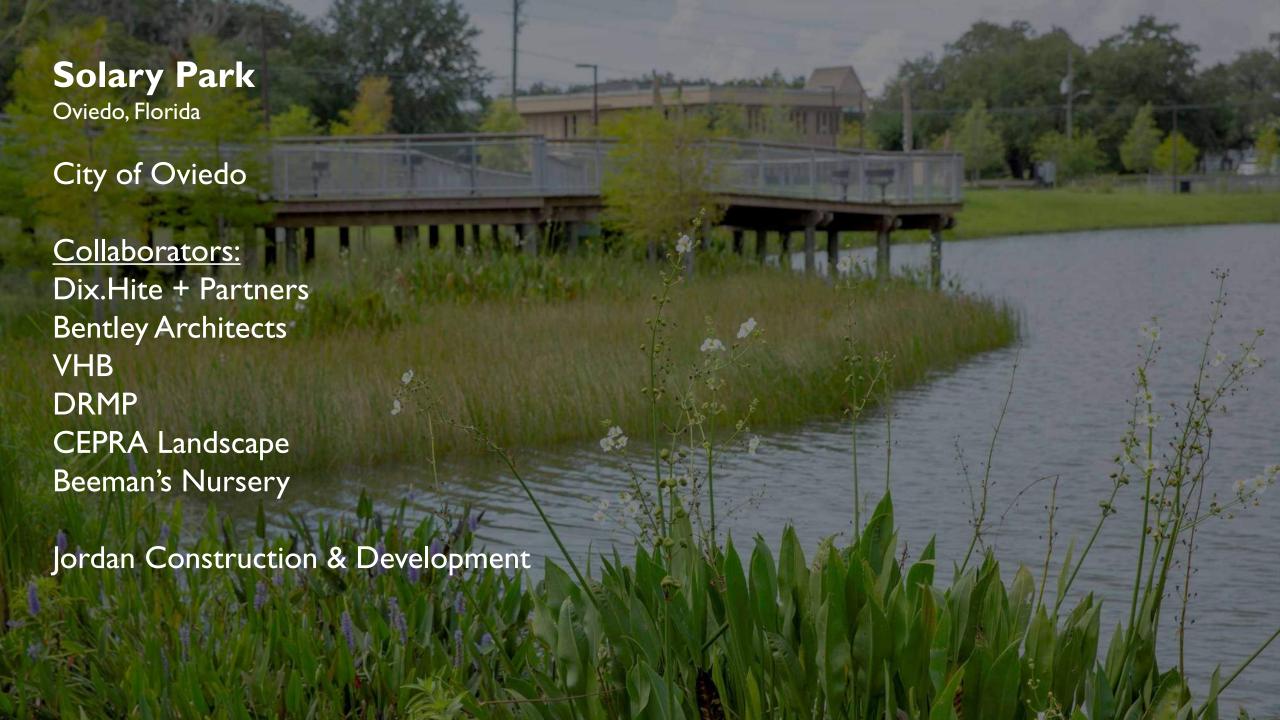
# **TRANSECTING** THE COASTAL OAKS **PRESERVE** 21.3. PINE FLATWOODS -----PALM HAMMOCK OAK HAMMOCK .... MANGROVE FOREST LAGOON EDGE-----



## **Solary Park**

Oviedo, Florida

- Collaborative effort between Parks and Public Works with close cooperation with FDOT and Cross Seminole Trail (funding)
- 9-acre park with \$5M Budget, which included \$1M for arsenic remediation
- Built on City staff's idea of combining FDOT required stormwater and city's need for stormwater as a catalyst for future development
- Led to urban redevelopment plan for Uptown Oviedo
- Collaborated with engineering team to balance capacity and treatment in a dynamic manner
- Won Florida Stormwater Association Award for Stormwater Excellence













































# SCAN

TO SEE SOLARY PARK THRIVING POST HURRICANE SEASON





### **Crest Lake Park Restoration**

Clearwater, Florida

- Joined the Project following the Master Planning process
- Worked with the City to evaluate the process to date and challenges/expectations associated with the budget
- Funded by BP oil spill settlement \$6.5 Million Budget / 39 Acre Park!
- Incorporated LID strategies to treat stormwater coming to the Lake from the surrounding communities
- Collaborated with City on RFP/Interview process for Construction Manager at Risk
- Collaborated with City and CMAR to provide a showcase park, built on budget and on time



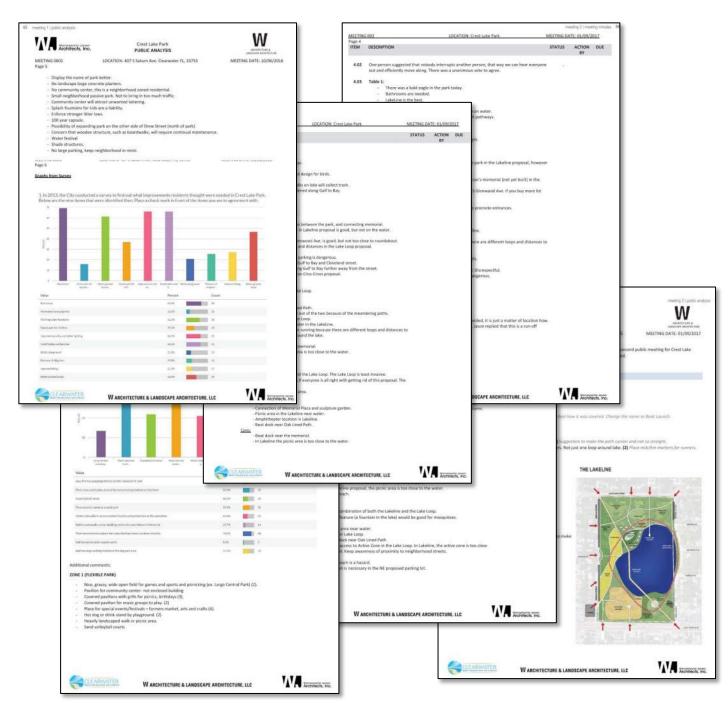


### MASTER PLAN GOALS

- PROTECTION AND ENHANCEMENT OF THE LAKE'S EDGES BY CREATING ENLARGED WETLAND EDGES AND BALD CYPRESS GROVES
- INTEGRATION OF THE LAKE WITH THE PARK,
   WHILE NOT OVERDEVELOPING THE PARK
- INCREASE WATER ACCESS WHILE IMPROVING THE ECOLOGY OF THE LAKE, ESPECIALLY HABITAT FOR BIRDS
- CREATE SEVERAL OPTIONS TO STROLL AROUND THE LAKE
- CREATION OF ACTIVE ZONES, PASSIVE ZONES
   AND FLEXIBLE ZONES



















PICNIC PAVILIONS









PERMANENT SHADE STRUCTURES WITH TEMPORARY MARKET









SHADING WITH SEATING





OBSERVATION PAVILIONS













PEDESTRIAN & BIKE PATHS

FABRIC SHADE STRUCTURES









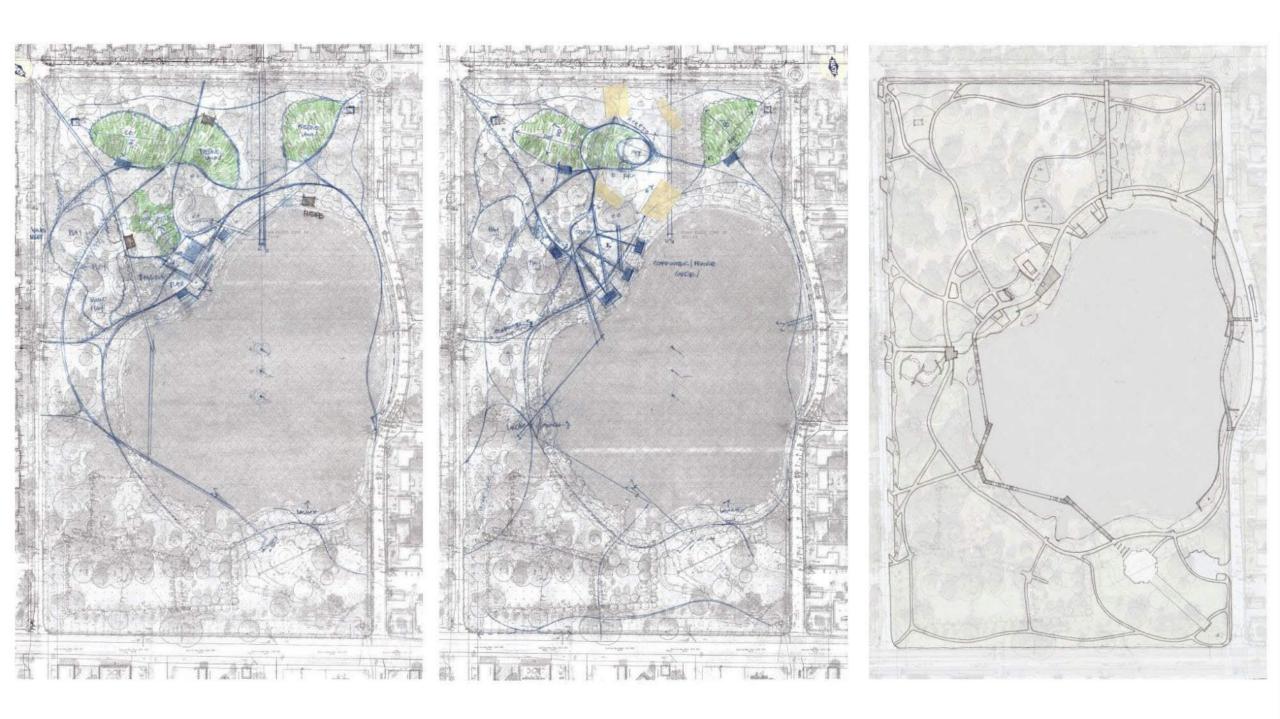




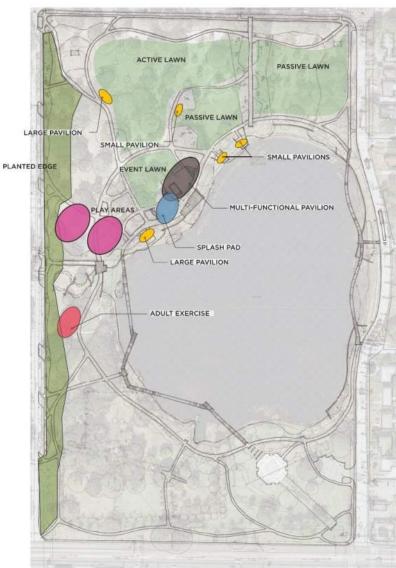
### **OPPORTUNITIES AND CONSTRAINTS**













SCHEMATIC SKETCH PLAN









### **DESIGN APPROACH**

### COST TO INTENSITY (PARK CONSTRUCTION AND PROGRAMMING RELATIONSHIPS)









### COST TO INTENSITY (PARK CONSTRUCTION AND PROGRAMMING RELATIONSHIPS)

TOTAL PARK AREA: 39 ACRES

(LAKE AREA) - 12 ACRES

**TOTAL LAND AREA: 27 ACRES** 







## DESIGN APPROACH LETTING THE CANOPY TELL THE STORY



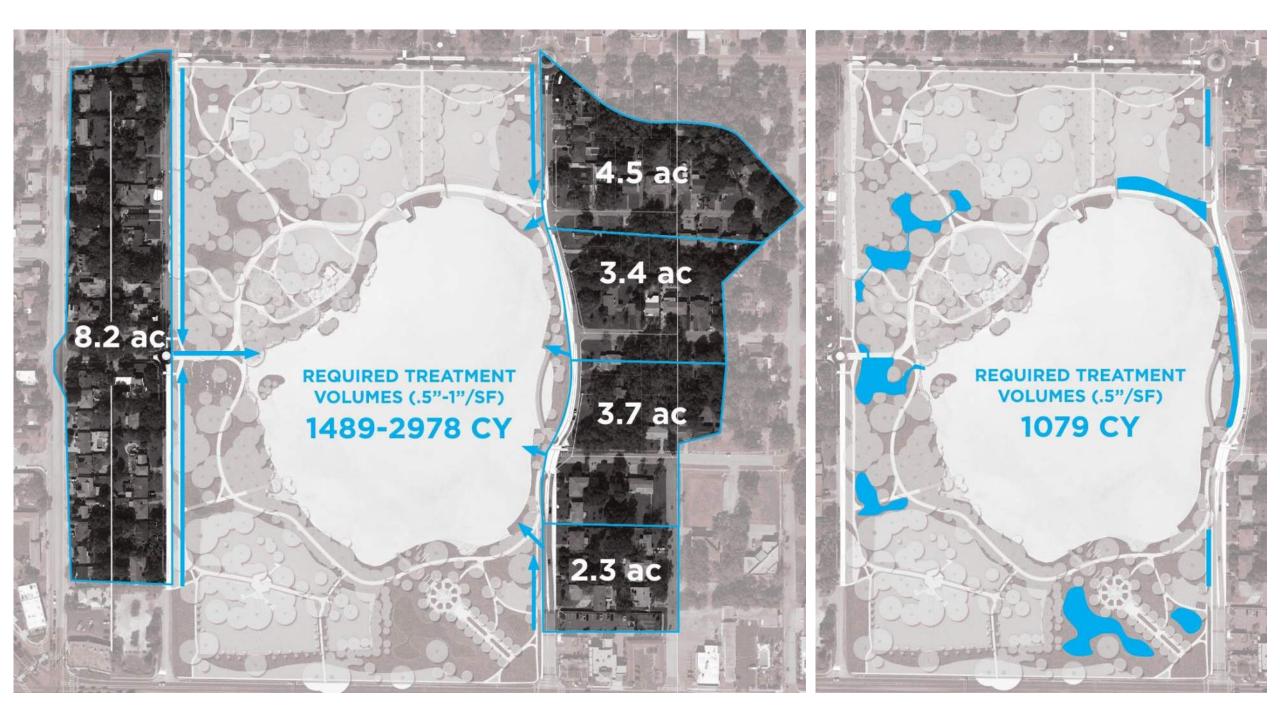


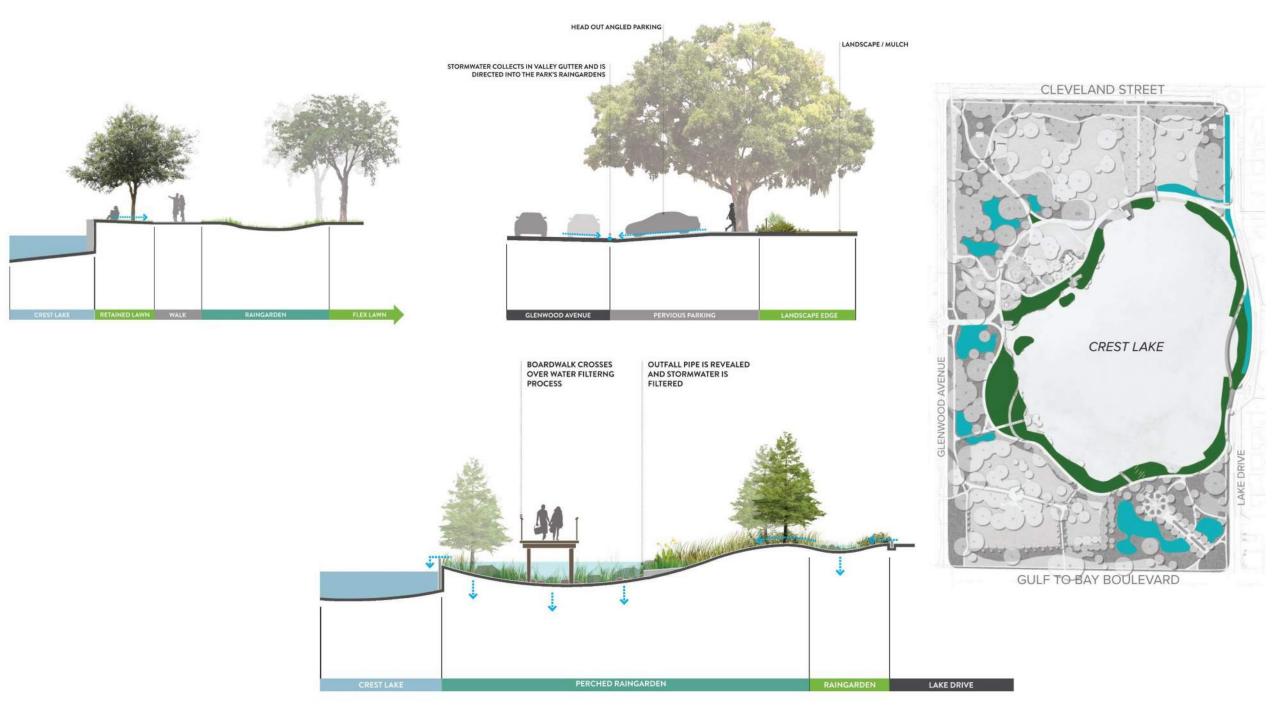




PRIMARILY MULCH WITH SELECT HISTORIC SPECIES





















# SCAN

TO SEE THE RAIN GARDENS AT CREST LAKE PARK IN ACTION































# CHECK IN QR CODE



Chris Hite, FSLA Kody Smith, PLA Sheeba West, PLA

Contact: chite@dixhite.com <u>ksmith@dixhite.com</u> swest@dixhite.com



For more information about the Florida Recreation and Park Association visit frpa.org