

Walter Rodriguez Meyer, PLA

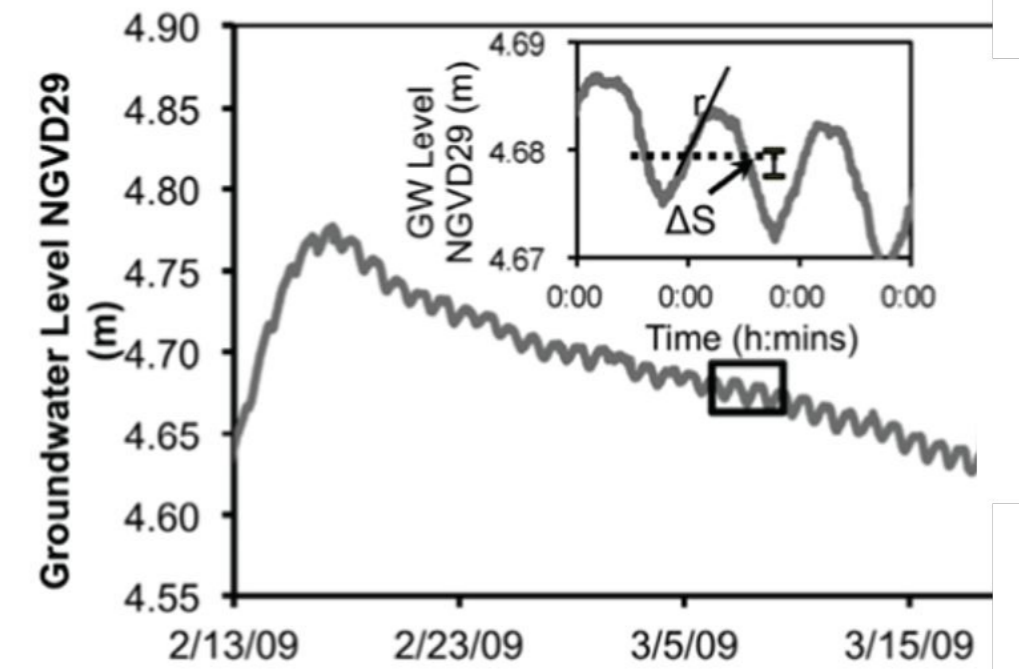
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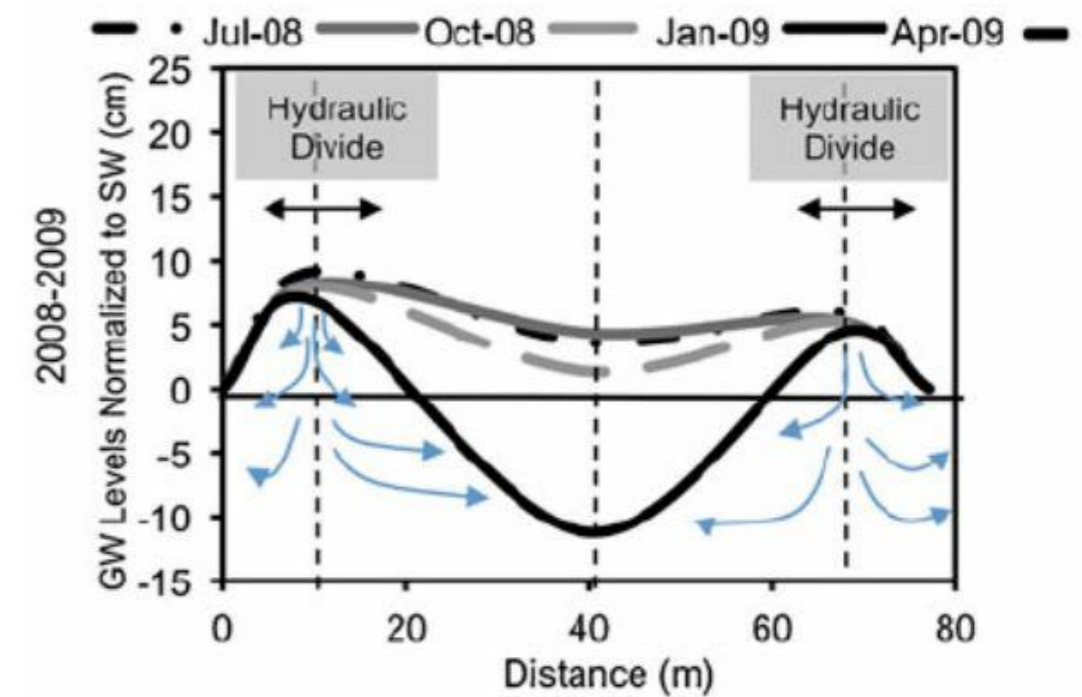
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Tree Islands of the Everglades



The Microforest of the Tree Islands can lower groundwater by almost a foot per season, or $\frac{1}{4}$ " per day.



Miracle Mile + Giralda Plaza





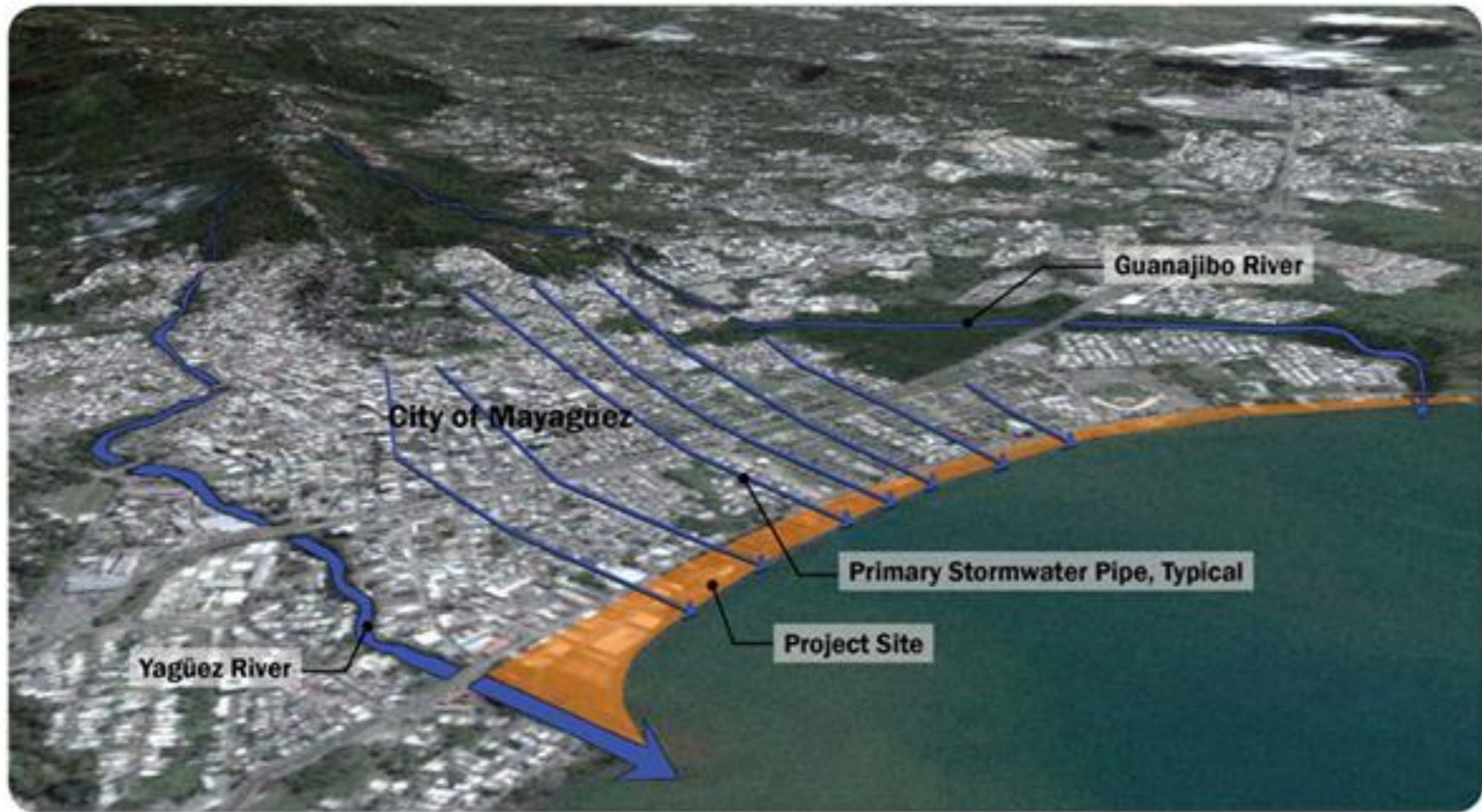
wework

BEAUTY IS ART

BEAUTY IS ART



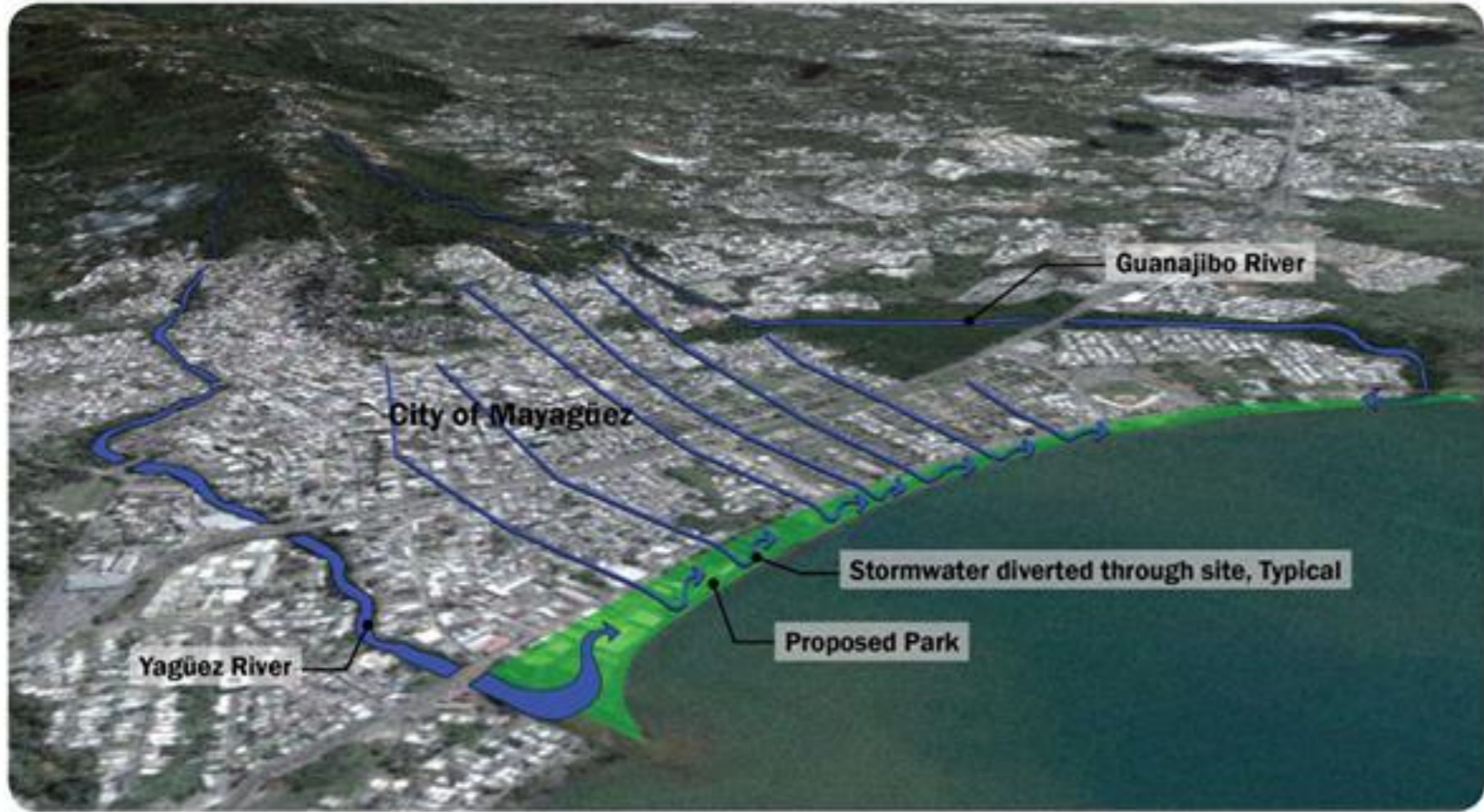
Parque Litoral Mayaguez, PR



Hydrology Analysis . 9 sources of city stormwater outflow directly through site



Existing stormwater outflow pipe on site

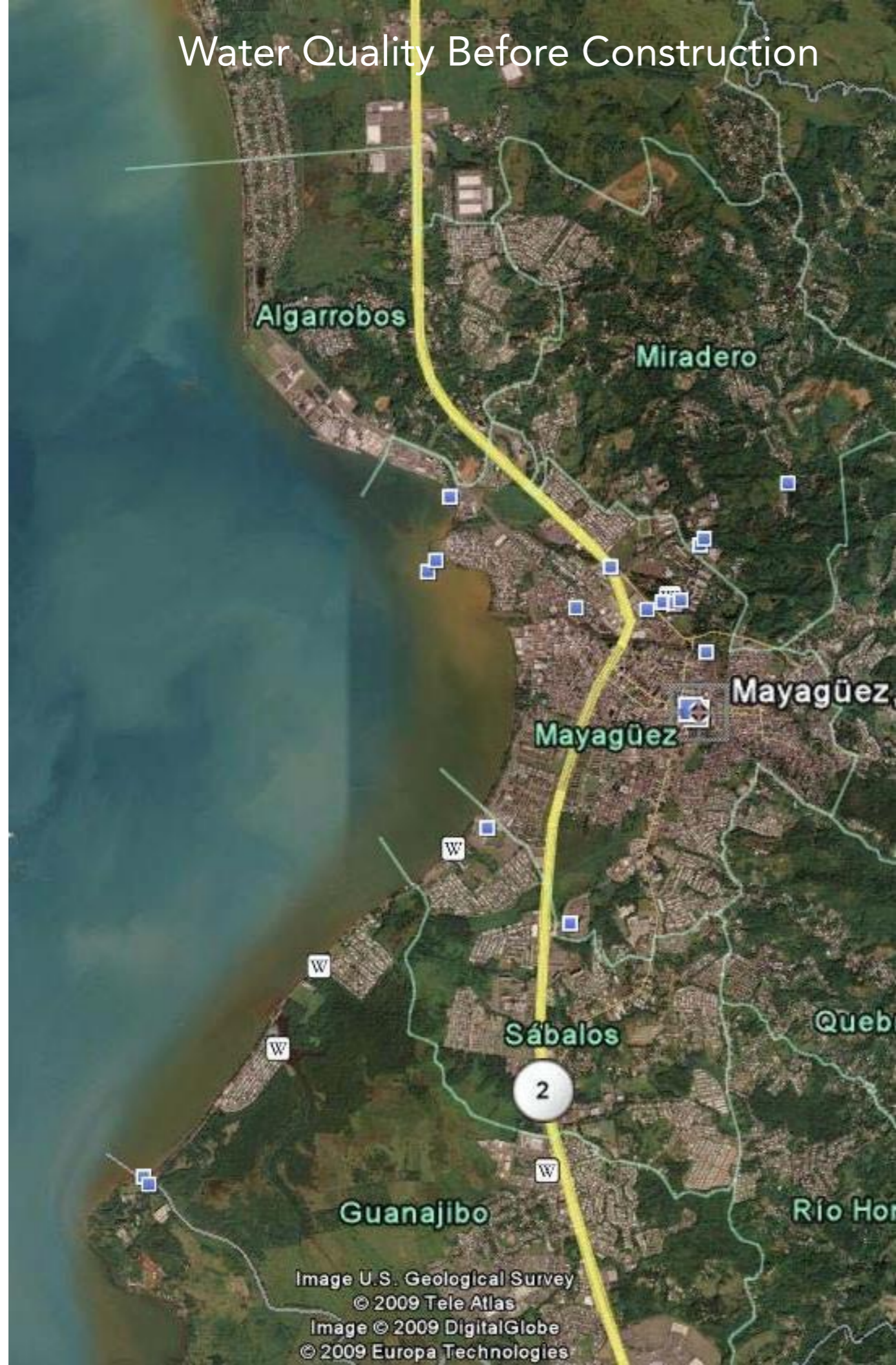


Park Hydrology Proposal . Divert stormwater through the site, slowing and cleansing it before it reaches the ocean reef

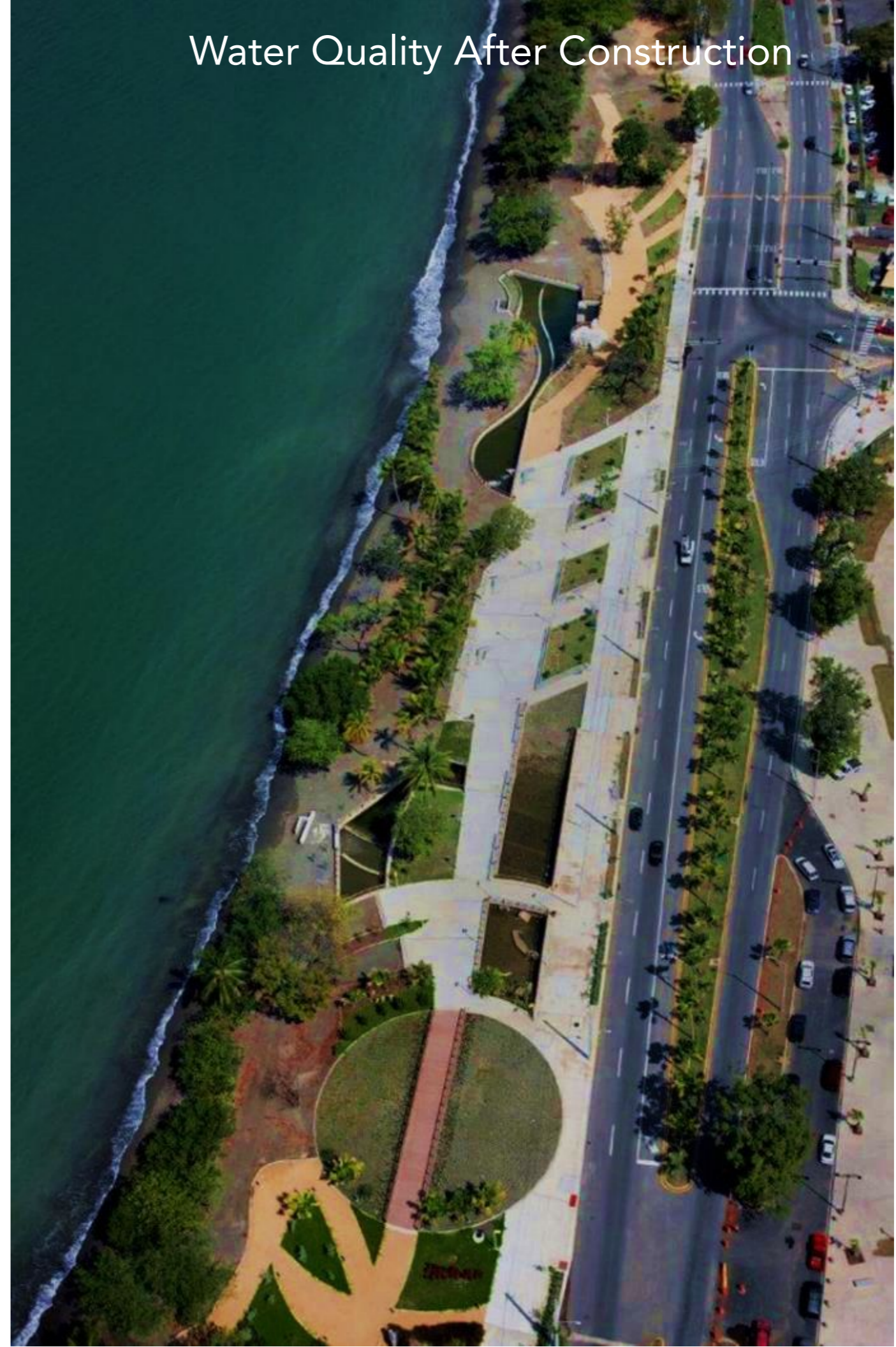


Pre-Columbian River System
La Selva, Puerto Rico

Water Quality Before Construction



Water Quality After Construction







Larchmont Park

Regional Scale - Watersheds

THE STUDY AREA FOR THE EPA GRANT INCLUDES MULTIPLE WATERSHEDS. FOR THIS PROJECT SPECIFICALLY, LARCHMONT PARK, OUR FOCUS IS ON WATERSHED #3.

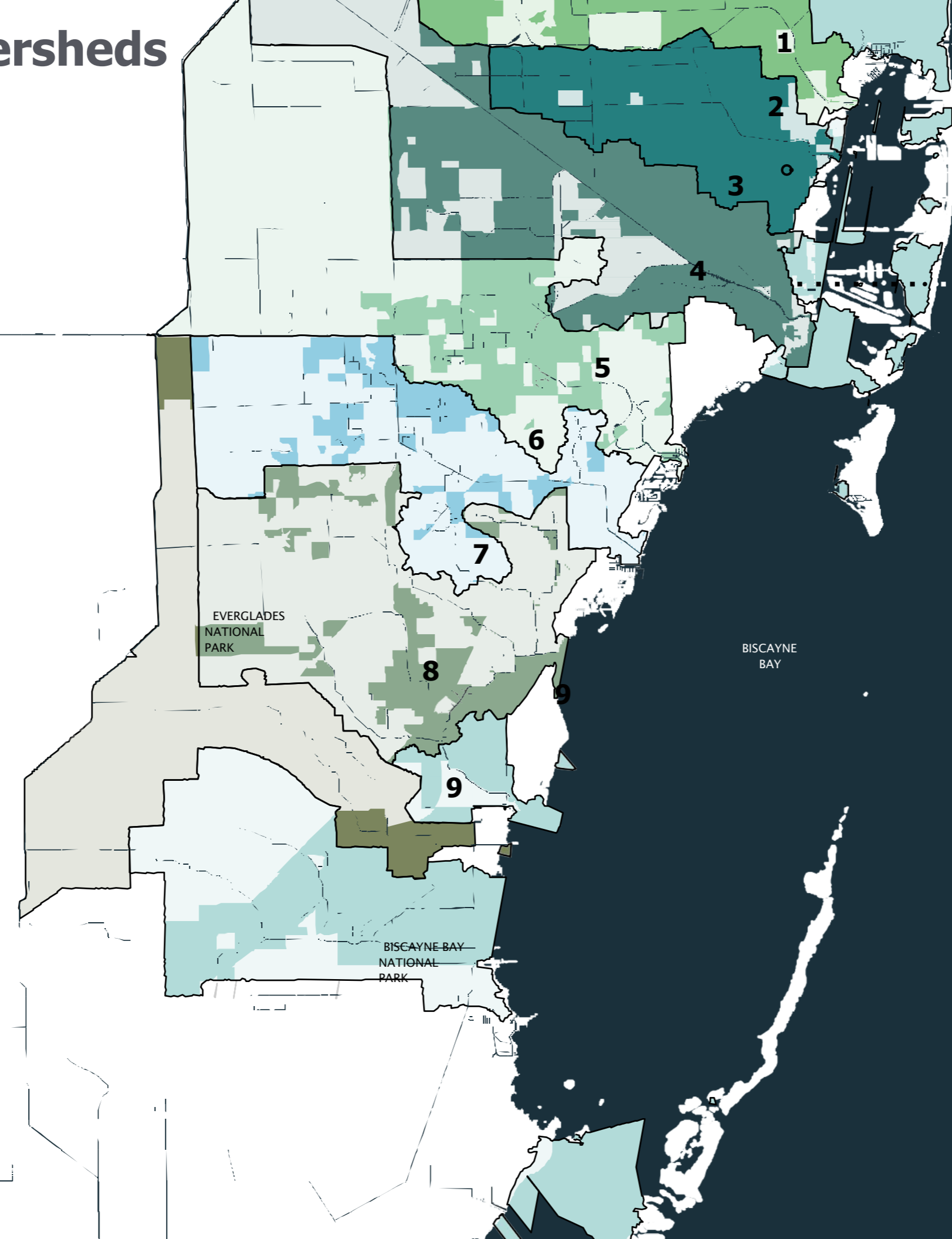
LARCHMONT GARDENS PARK

WATERSHED #3

LEGEND

- 1. Biscayne Bay North
- 2. Biscayne Canal
- 3. Little River Canal
- 4. Miami Canal
- 5. Coral Gables Canal
- 6. Snapper Creek Canal
- 7. Cutler Drain Canal
- 8. Princeton Canal
- 9. Biscayne Bay South
- water

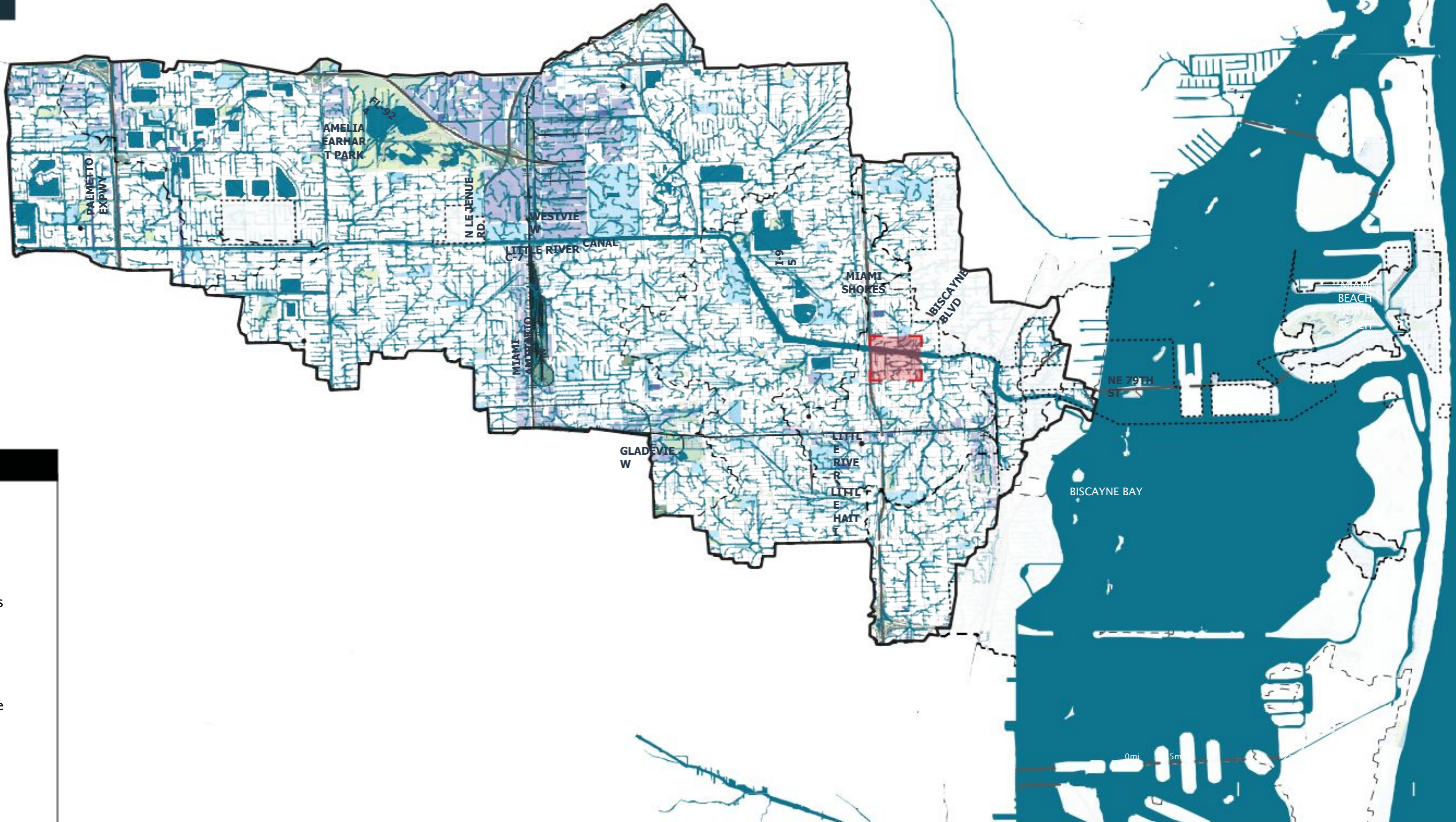
LARCHMONT PARK



C7 : Little River Canal - Hydro & Flood Risk



WATERSHED C7 IS FRAMED BY TWO LARGE ATOLLS TO THE EAST, SO WATER IS EFFECTIVELY CONVEYED DOWN INTO THE CANAL. FLOODING OCCURS BUT IN SMALLER LOCALIZED POCKETS.



LEGEND

- sewer overflow
- sub-basins
- 1% flood
- risk
- institutions
- industrial
- utilities
- focus area
- open space
- transit corridors
- water
- major roads
- roads

ZOOMING IN EVEN FURTHER - WE PROPOSE TO RESURRECT ANCIENT SLOUGHS AND INFORM FUTURE LIVING INFRASTRUCTURE DESIGN. EXAMPLES WOULD INCLUDE PARKS, LIVING STREETS & RESILIENT COMMUNITY HUBS. ALL PILOTS ARE INFORMED BY THIS NETWORK OF ANCIENT SLOUGHS, UPSTREAM AND DOWNSTREAM.



Larchmont Gardens Park

Little River Canal

El-Portal Village Hall

Miami NW Senior High

Miami Tropical Botanic Garden

Hadley Park, Liberty City

1000'

LARCHMONT PARK



Elevated Walkways

- Mussel Gabion
- Educational Signage

Porous Surface Trails & Paths

- >50% Expanded Tree Canopy
- Benches Along Edges
- Enhanced Lighting for Safety

Resurfaced & Flexible Courts

- Modular Canopy w/ Solar Potential

Elevated Walkways

- Mussel Gabion
- Educational Signage

Existing Flood Pump

Existing Flood Pump

1.7' NAVD 88

NW 85th ST

NW 2nd AVE

Filtering & Polishing Swales

1. Forebay: Trees
2. Phytoremediation Chambers: Occasionally Wet Species + Grasses to Wet Species - Reeds, Sawgrass
3. Mussel Gabion Chambers

Active Recreation

"Climb, Swing, Slide & Dig"

Open Lawn

Passive Recreation

Filtering & Polishing Swales

LEGEND

- Porous Paths @ 4'5" (39,800 sqft)
- Elevated Walkways (7,100 sqft)
- Property Fence line
- Existing Trees
- Proposed Trees (approx. 73 ct.)



3. Mussel Gabion Chambers

1. Bioswale Forebay

2. Phytoremediation Chambers

LEGEND

- EL 4'0" (34,200 sqft)
- EL 3'5" (26,000 sqft)
- EL 3'0" (15,000 sqft)
- EL 2'5" (12,000 sqft)
- EL 2'0" (5,000 sqft)
- Water Flow on Site (Proposed)
- Overflow Pipe
- Mussel Chambers (4,500 sqft)

Larchmont Park Concept Plan - section view



Proposed Aerial View

Filtering & Polishing Swales

Elevated Walkways

Resurfaced & Flexible Courts

Modular Canopy w/ Solar Potential

Active Recreation

"Climb, Swing, Slide & Dig"

Filtering & Polishing Swales

1. Bioswale Tree Forebay
2. Phytoremediation Chambers
3. Mussel Gabion Chambers

Porous Surface Trails & Paths

>50% Expanded Tree Canopy
Benches & Outdoor Furniture

Accessible Elevated Walkways

Railing & Seating
Visibility to the Water



Accessible Elevated Walkways

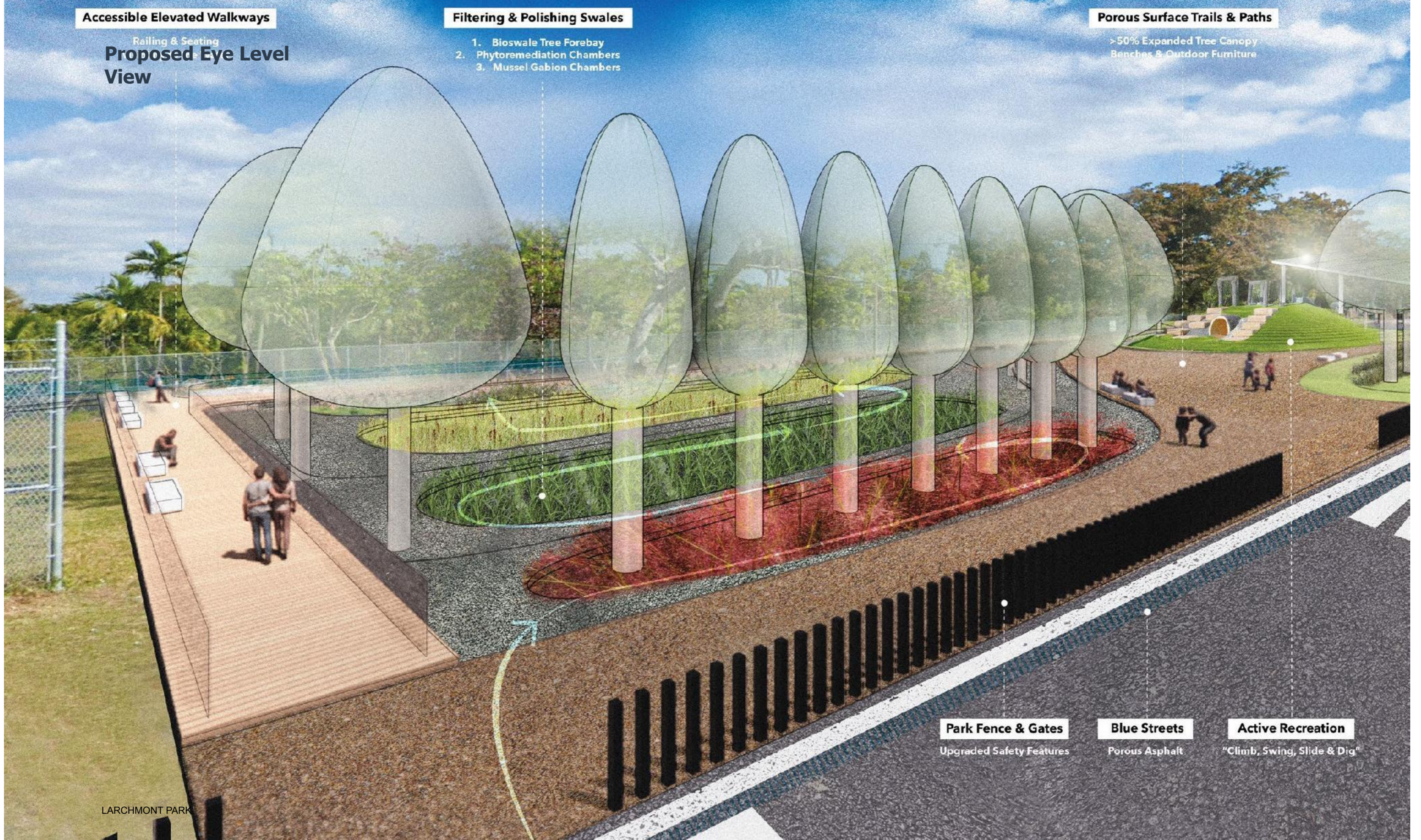
Railing & Seating
Proposed Eye Level View

Filtering & Polishing Swales

1. Bioswale Tree Forebay
2. Phytoremediation Chambers
3. Mussel Gabion Chambers

Porous Surface Trails & Paths

>50% Expanded Tree Canopy
Benches & Outdoor Furniture



Park Fence & Gates

Upgraded Safety Features

Blue Streets

Porous Asphalt

Active Recreation

"Climb, Swing, Slide & Dig"



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