



Pioneer Park Playground

Design Update - September 2020



Playground Plan (approximately 41,200 square feet area)

- ① 5-12 YO Play Area
 - Updated alligator structure with improved accessibility
- ② 2-5 YO Play Area
 - Larger river schooner structure (Spinner removed to accommodate larger schooner)
- ③ Water Play Area
 - Shorter water channel
 - Larger spray play area
- ④ Chalkwall area
 - Chalkwall inside play area
 - Living/Green wall outside play area
- ⑤ Swing Area
 - Increased to 4 bays
 1. Two nest swings
 2. Two belt swings
 3. One You and Me Swing
 4. One toddler swing
- ⑥ Revised Entry Feature
- ⑦ Pump station equipment added
- ⑧ Fire pit area (by others)
- ⑨ Lookout Hill shape modified (by others)
- ⑩ Perimeter fence added
- ⑪ Tortoise sculpture location changed
- ⑫ Extended textured design on walkway
- ⑬ Pour-in-place surface river form design added
- ⑭ Jungle Dome (no changes)
- ⑮ Sand Area (minor changes)
- Seating locations
- Musical instrument stations



Updates to Playground Concept Plan





Alligator Play Sculpture (5-12 YO)



Coco Pendulum Swing (5-12 YO)

Updates:

- Alligator structure designed to be more accessible with wider access ways and more open design
- Alligator structure slightly larger with more climbing access
- Open areas along alligator body and bottom added to increase transparency and visibility

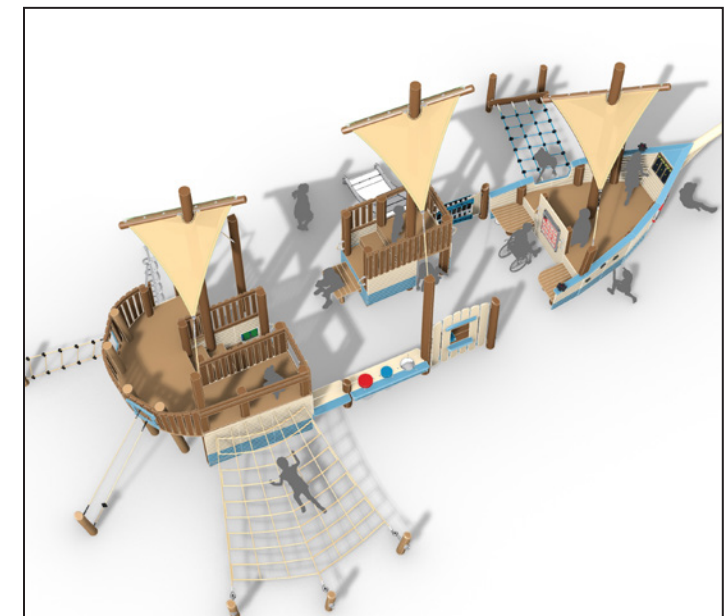


① Updated 5-12 Year-old Play Area





Schooner Play Structure (2-5 YO)



Schooner Play Structure (2-5 YO)

Updates:

- River Schooner play structure expanded with more activities added for bigger children (Spinner removed to accommodate larger schooner)
- Schooner structure designed to be more accessible with wider access ways and more open design



② Updated 2-5 Year-old Play Area





Updates:

- Expanded water spray play area
- Smaller creek play area



Wading Stream



Elevated Water Play

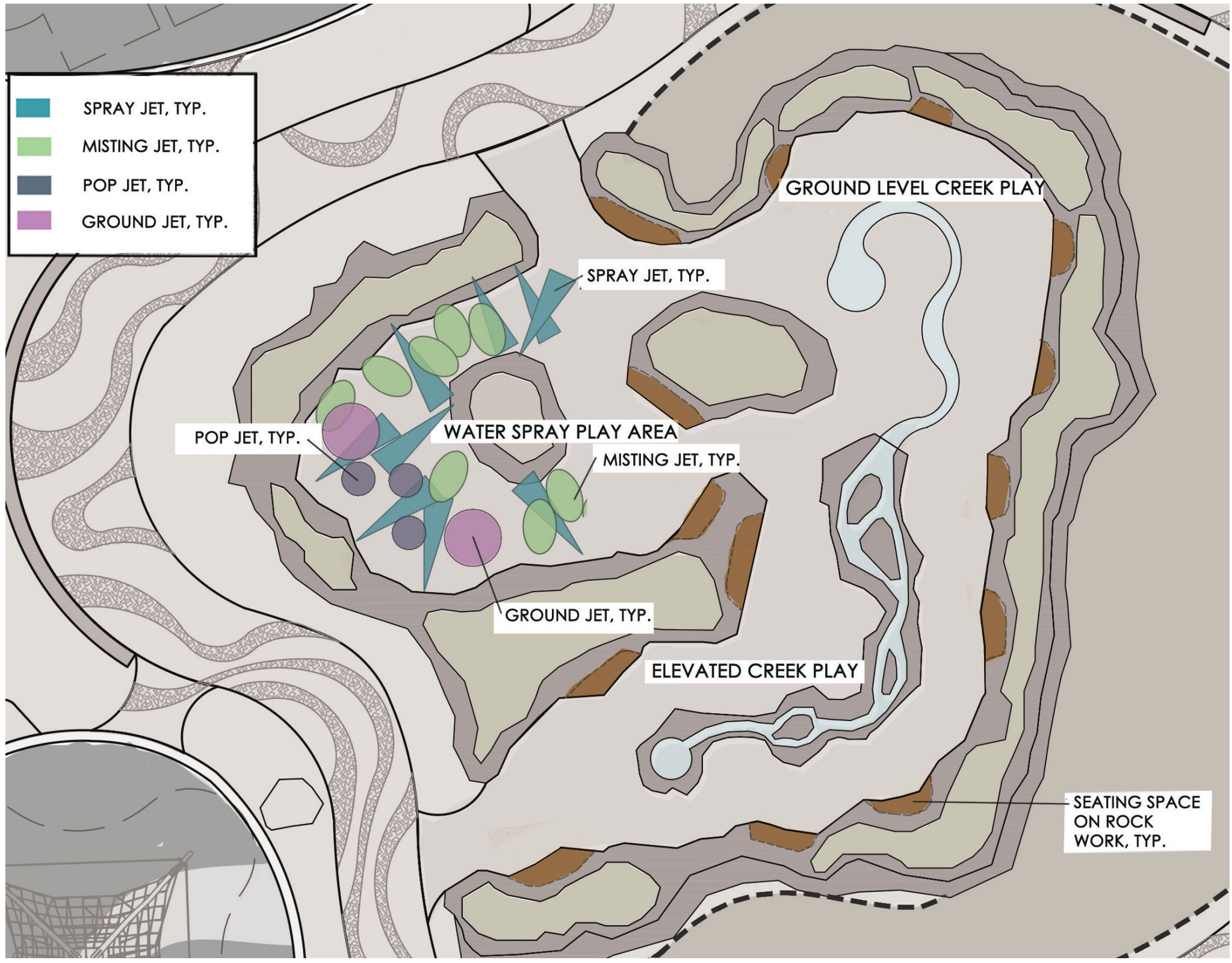


Water Spray

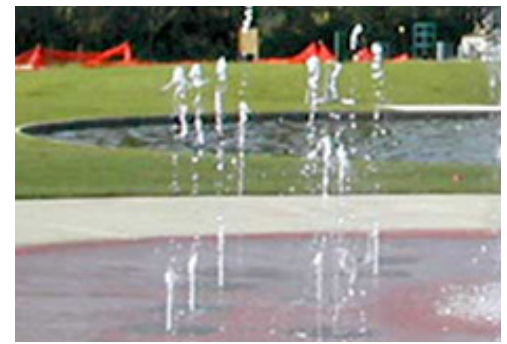


③ Updated Water Play Area





Water Jet Layout



Pop Jet



Spray Jet



Ground Jet



Misting Jet



3 Water Play Area Details





View from inside playground



View from outside playground

Features:

- Creative play space for children
- Living/Green wall to help buffer the playground from the botanical garden
- Park gateway feature on outside



④ Chalkwall Area





Nest Swing



You and Me Swing



Belt Swings



4 -Bay Robinia Wood Swing set



Toddler swing

Updates:

- Additional 4th bay was added with extra nest swing



⑤ Updated Swing-set Area





Perspective View

Updates:

- Revised design for support trees evoking Live Oak form
- Relocation of tortoise sculpture to open up walkway and provide 'Instagramable' view



⑥ + ⑪ Updated Main Entry Feature





Fence locations



Welded wire fence, black, 48 inch height



Dark color and thin wire material to blend with landscaping



10 Updated Perimeter Fence





Perspective view



Jungle Dome Overview



Detail View



14 Jungle Dome Area





Perspective view

Updates:

- Accessible entry relocated to allow buffering to pump equipment for water play area



Playhouse with Sand Toys



Excavator



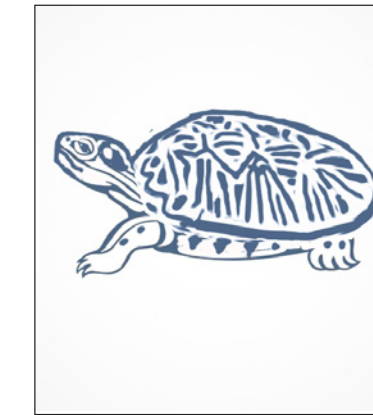
15 Sand Play Area



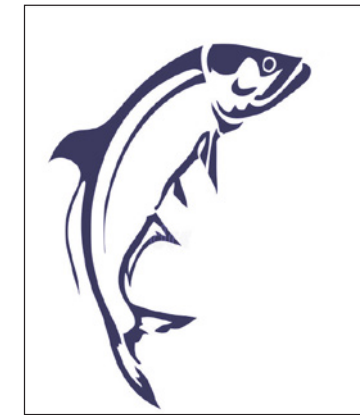


Walkway art element location map

● art element



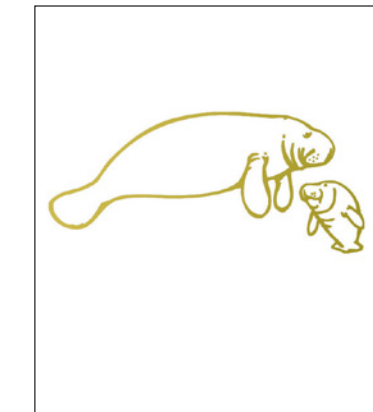
① Florida Box Turtle



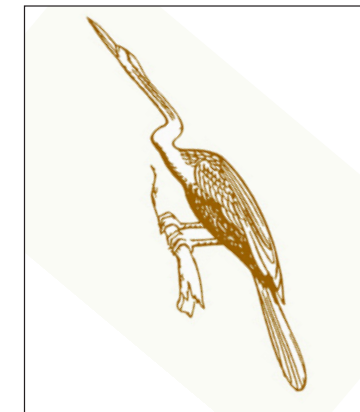
② Tarpon



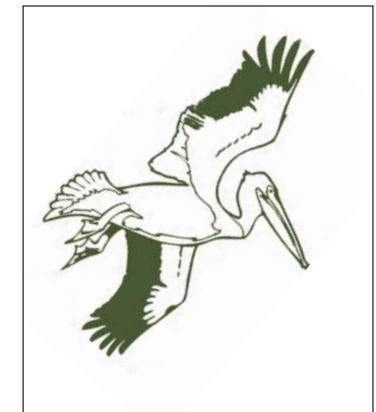
③ River Otter



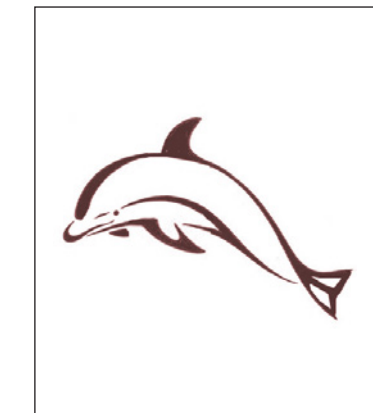
④ Manatee



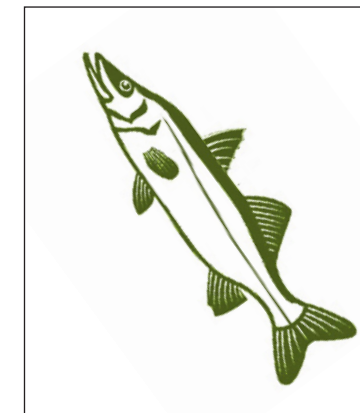
⑤ Anhinga



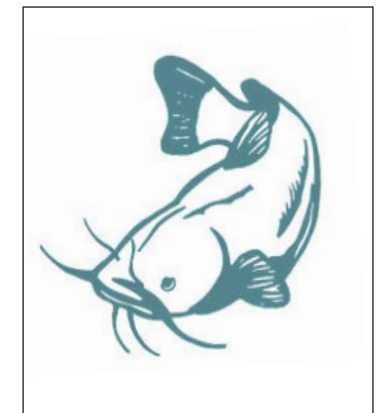
⑥ Brown Pelican



⑦ Dolphin



⑧ Snook



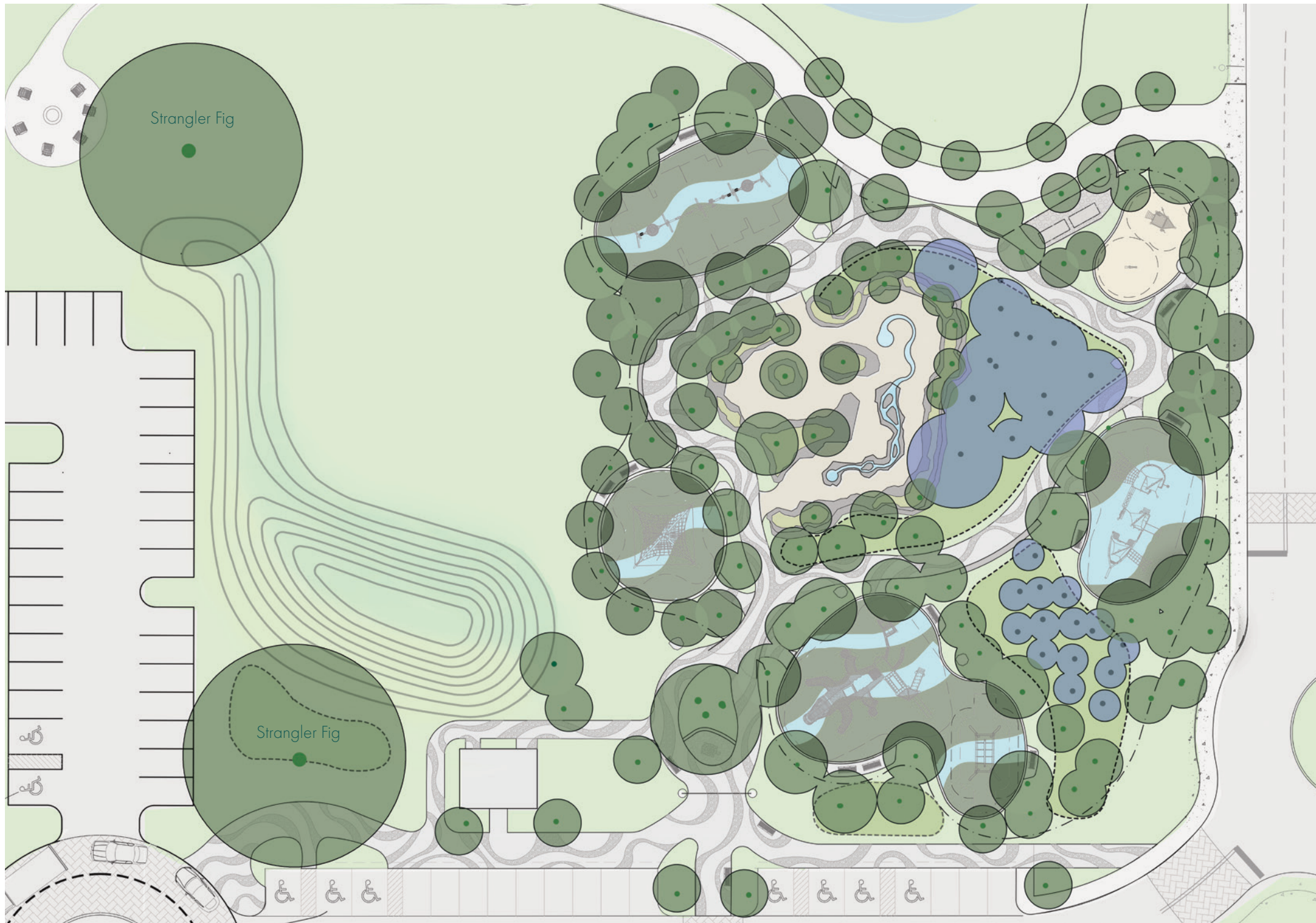
⑨ Catfish

KeySpecies

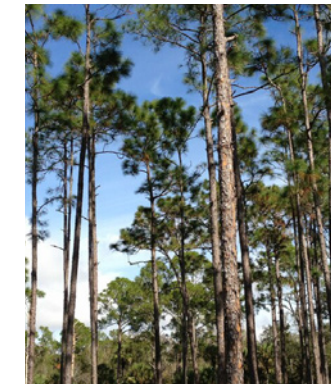


Walkway Bronze River Animal Art Elements (by artist Michael Waller)





Existing Tree New Tree



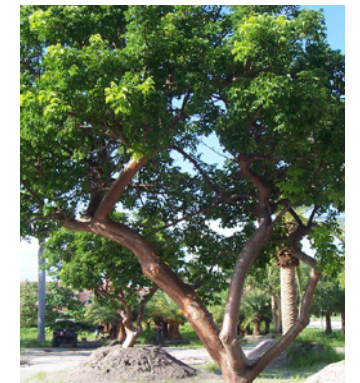
Florida Slash Pine



Strangler Fig



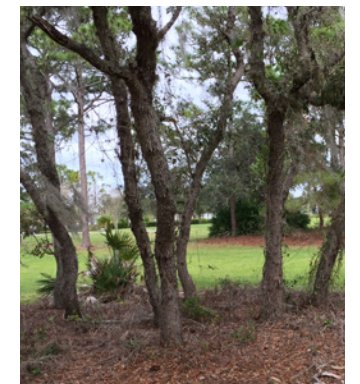
Live Oak



Gumbo Limbo



Sabal Palm
KeySpecies



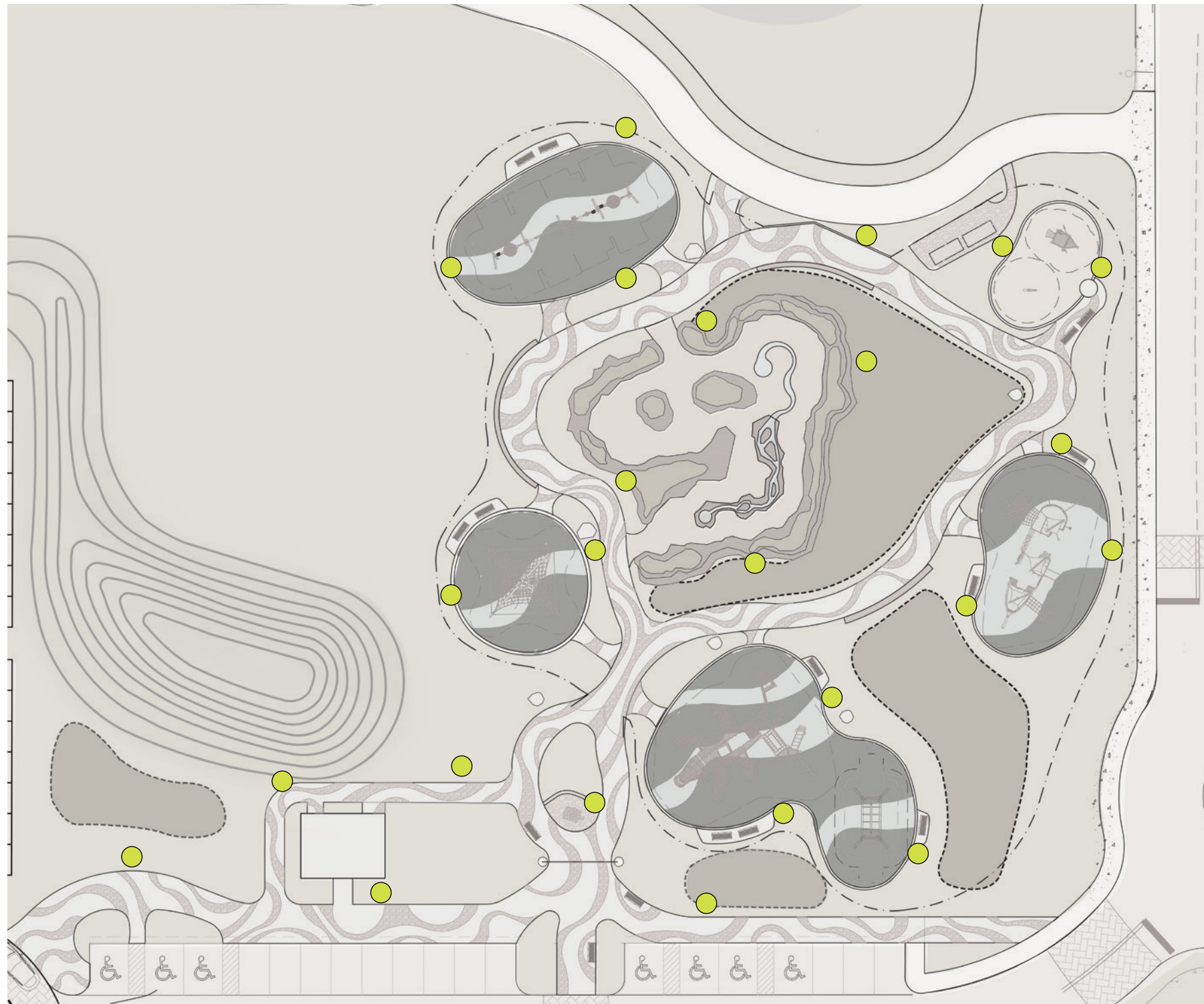
Sand Oak

Tree canopy locations



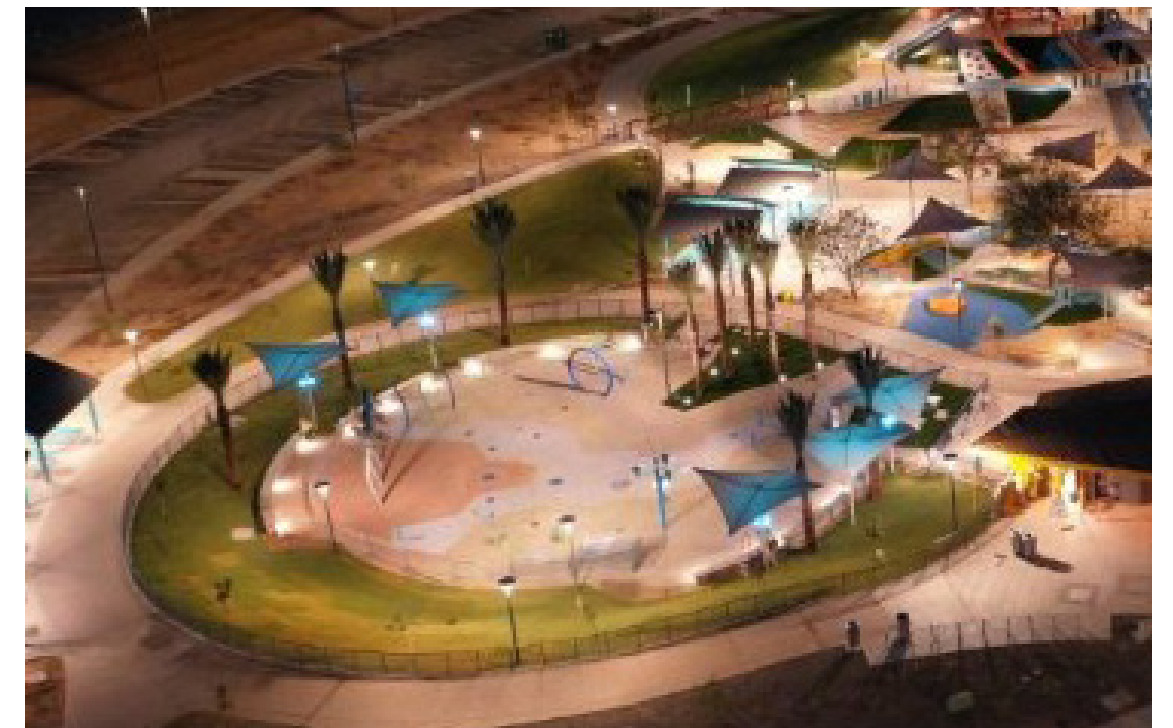
Updated Conceptual Plan with Tree Canopy



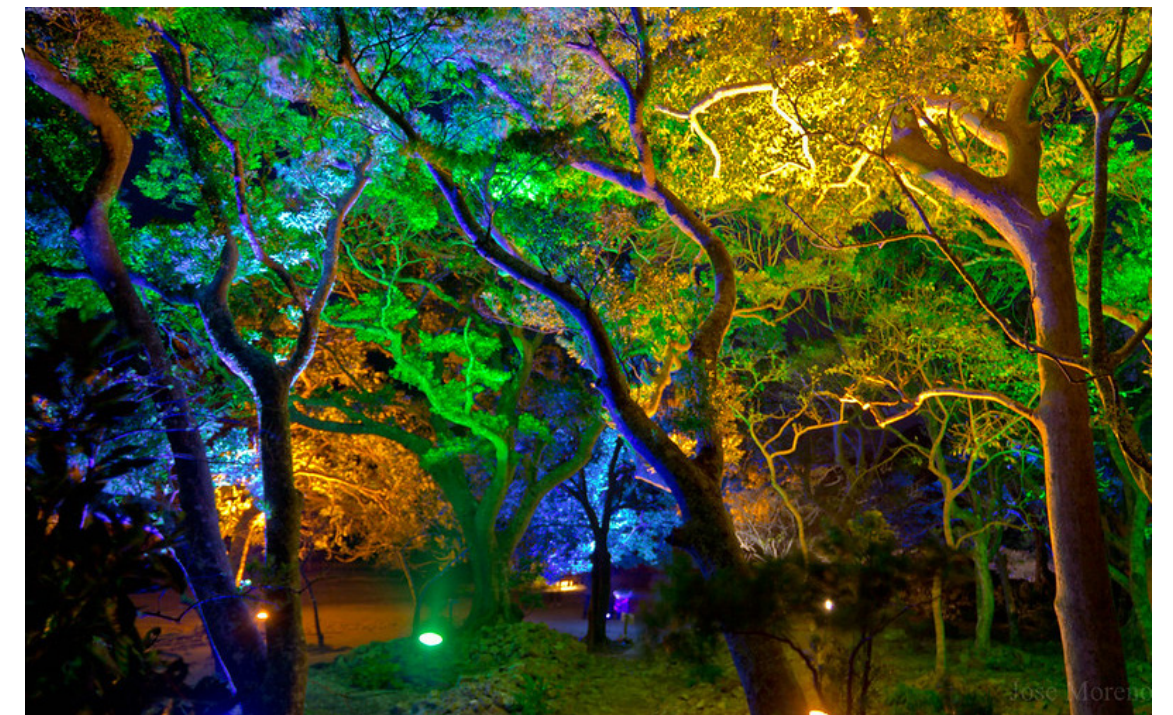


Light pole location map

● Light poles



Well lit play spaces



Decorative tree uplighting with color change capability

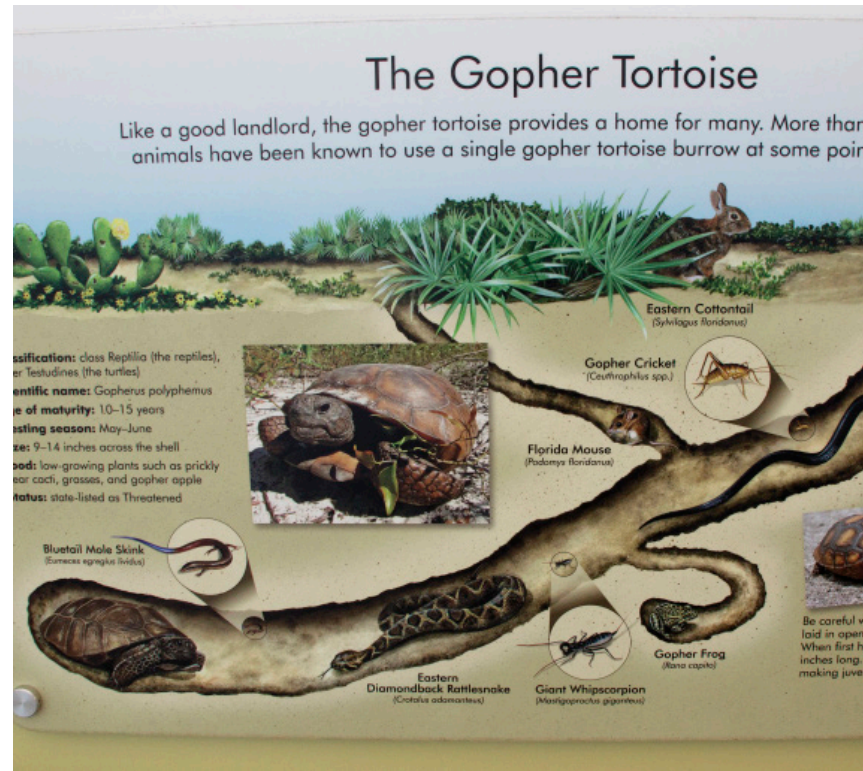


Lighting Plan





Ipe Bench



Educational Signs



Waste Receptacle



Ipe Adirondack Chair



Directional Signs



Welded Wire Barrier Fence



Site Furnishings Review





Large Chimes



Tuned Drums



Bar Metallaphone



Pagoda Bells



Musical Instruments Review



Pioneer Park- Prepared by: Landscape DE, LLC				9/5/2020		
Park Development, to include: Playground LIGHTED w/connecting walkway and park furniture, connecting walkway and allowances for Drainage, and Landscaping Improvements		Quantity	Unit of Measure	Unit Price	Total Cost	Unfunded Item Probable Cost
Div.1 General Conditions and General Requirements						
General Condition & General Requirements as a percentage of Direct Cost.		1	JOB	10%	\$290,512.34	
Div.1 General Conditions and General Requirement, Subtotal						
Div. 2 Site Construction						
General:						
Demolition		1	LS	\$10,000.00	\$10,000.00	
Temporary protection		1000	LF	\$3.00	\$3,000.00	
Fill top soil and grade improvements		1000	CY	\$70.00	\$70,000.00	
Equipment mobilization and demobilization		1	LS	\$10,000.00	\$10,000.00	
Finish grading		50,000	SF	\$0.80	\$40,000.00	
Decorative concrete walkway		11,033	SF	\$25.00	\$275,815.00	
Concrete slabs for seating areas		480	SF	\$18.00	\$8,640.00	
Gravel areas		430	SF	\$3.00	\$1,290.00	
Decorative walkway inlay elements (annual forms)		1	LS	\$30,000.00	\$30,000.00	
Playground Area:						
Concrete curb		863	LF	\$25.00	\$21,575.00	
Sand for play		2700	CF	\$1.00	\$2,700.00	
Pour-in-place safety surfacing		9,387	SF	\$18.00	\$168,966.00	
4"H #57 Stone base layer		10,292	SF	\$2.00	\$20,584.00	
Playground Equipment						
Kompan Custom Alligator		1	LS	\$400,000.00	\$400,000.00	
Kompan Custom River Schooner		1	LS	\$270,000.00	\$270,000.00	
4-Bay Swing		1	LS	\$14,690.00	\$14,690.00	
Sand Play House		1	LS	\$21,690.00	\$21,690.00	
Excavator		1	LS	\$4,050.00	\$4,050.00	
Cocowave Swing		1	LS	\$11,060.00	\$11,060.00	
Jungle Dome		1	LS	\$50,397.20	\$50,397.20	
Harmony Free Notes Merry		1	LS	\$3,183.00	\$3,183.00	
Harmony Free Notes Pagoda		1	LS	\$3,939.00	\$3,939.00	
Harmony Free Notes Tuned Drums		1	LS	\$3,900.00	\$3,900.00	
Harmony Free Notes Contrabass Chimes		1	LS	\$5,869.00	\$5,869.00	
Freight and Installation of Playground Equipment		1	LS		\$354,950.19	
Water Play Area						
Stone work		1	LS	\$130,000.00	\$130,000.00	
Slip Proof Concrete surface		3500	SF	\$18.00	\$63,000.00	
Water Elements and treatment system		1	LS	\$100,000.00	\$100,000.00	
Park Furnishings:						
Ipe Benches		15	Ea	\$2,535.00	\$38,025.00	
Adirondack Chairs		6	Ea	\$600.00	\$3,600.00	
Chalkwall/green wall		1	LS	\$33,000.00	\$33,000.00	
Custom entry gate		1	LS	\$130,000.00	\$130,000.00	
Gopher tortoise sculpture		1	LS	\$30,000.00	\$30,000.00	
Directional Signage		4	Ea	\$500.00	\$2,000.00	
Educational Signage		1	LS	\$1,800.00	\$1,800.00	
Barrier fence		760	LF	\$35.00	\$26,600.00	
Waste receptacles		3	Ea	\$1,100.00	\$3,300.00	
Landscaping:						
Allowance Planting Improvements		1	LS	\$380,000.00	\$380,000.00	
Decorative Boulders		15	ea	\$500.00	\$7,500.00	
Lighting:						
Play area lighting (post mounted lighting)		1	LS	\$100,000.00	\$100,000.00	
landscape lighting (color uplighting)		1	LS	\$50,000.00	\$50,000.00	
Div. 2 Site Construction, Subtotal						\$2,905,123.39
Direct Cost, Subtotal						
Design Contingency at Planning/Conceptual Phase		10.00%	Job Direct Cost			\$290,512.34
Direct Cost, Subtotal						\$3,486,148.07
General Contractor Overhead & Profit		15.00%	Job			\$435,768.51
General Contractor Performance Bond & Insurance		2.50%	Job			\$72,628.08
Probable Construction Cost, (excluding A/E Design & Inspection Fees, Permit and Inspector General, and Owner's Construction Contingency)						\$3,994,544.66



Cost Estimate



Pioneer Park Playground Schedule

9/8/2020

Activity Name	2019			2020												2021												2022		
	Sept	Oct	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	
Task 1: Project Initiation																														
Task 2: Site Analysis																														
Task 3: Concept Design (with public involvement)																														
Task 4: Design Development																														
Task 5: Construction Documents																														
50% Documents																														
Review (city)																														
100% Documents																														
Review, RFQ, Bidding (city)																														
Task 6: Post Design Services																														
Bid Assistance/Selection																														
Construction Admin																														
Post Construction																														



Current Estimated Schedule

