

Conceptual Planning & Design Presentation



Landscape Architect/Planners
Architects
Civil Engineers
Architectural Renderings

Roy T. Dufreche & Associates, L.L.C.
Holly and Smith Architects
Angelette-Pisciola Consulting Engineers
Redfish Renderings

LAKE FIELDS OUTDOOR FACILITY MASTER PLAN

LAFOURCHÉ PARISH, LA

LAFOURCHÉ PARISH GAME & FISH COMMISSION

ROY T. DUFRECHE + ASSOCIATES
HAMMOND, LA

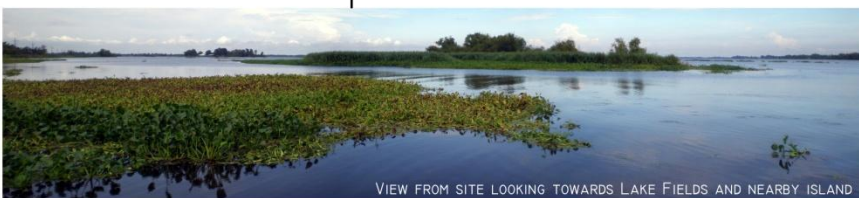
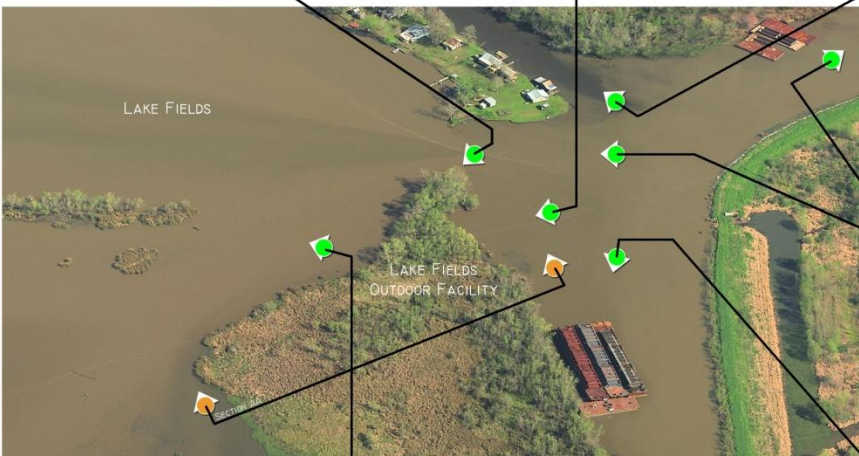
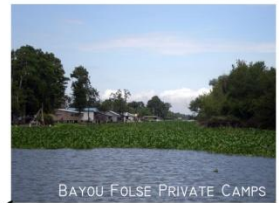
LANDSCAPE ARCHITECTS
AND PLANNERS



DECEMBER 14, 2009



REGIONAL ANALYSIS



SITE IMAGERY AND CONTEXT



LAKE FIELDS OUTDOOR FACILITY MASTER PLAN

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SITE ANALYSIS

SITE IMAGERY

OCTOBER 12, 2009



REGIONAL VEGETATION

- BALD CYPRUS
- LIVE OAK
- BLACK WILLOW
- WAX MYRTLE
- YAUPOIN
- ASSORTED UNDERSTORY SHRUBS

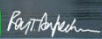
REGIONAL INVENTORY AND ANALYSIS



SITE INVENTORY AND ANALYSIS

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SITE ANALYSIS
SITE INVENTORY

OCTOBER 12, 2009



OPPORTUNITIES

- 1 ADJACENT ISLAND HAS THE POTENTIAL TO BE INCORPORATED INTO THE SITE DESIGN.
- 2 SITE IS CONVENIENTLY LOCATED WITHIN A 5 MINUTE BOAT RIDE FROM LOCKPORT BOAT LAUNCH.
- 3 OPPORTUNITIES EXIST TO EDUCATE THE BOATING PUBLIC ON THE NATIVE FLORA/FAUNA OF THE COASTAL MARSH ENVIRONMENT.
- 4 ELECTRICAL POWER EXIST AT SITE.
- 5 SITE LOCATED (AT BEND OF COMPANY CANAL) PRESENTS OPPORTUNITY TO SHOWCASE FACILITY BY BEING VISABLE FROM HWY 1 BRIDGE IN LOCKPORT.
- 6 SITE GIVES PATRONS AT NEARBY CAMPS AN ADDITIONAL RECREATIONAL AREA TO ENJOY THE BEAUTY OF THE LAKE AND SCENERY OF SOUTH LOUISIANA.

CONSTRAINTS

- 1 COMPANY CANALS FREQUENT USAGE BY LARGE VESSELS MAY PREVENT ANY SORT OF PIER TO BE PLACED.
- 2 SITE IS ONLY ACCESSIBLE BY BOAT.
- 3 TIDAL FACTORS ALONG WITH WIND AND EROSION HAVE CONTRIBUTED TO THE DETERIORATION OF THE SITE. SITE NEEDS TO BE BULKHEADED AND FILLED TO SUPPORT RECREATIONAL USES AND QUALITY PLANT LIFE.
- 4 EXISTING BARGES PARKED ALONG COMPANT CANAL CREATE AN EYE SORE AND NEED TO BE REMOVED.
- 5 EXISTING SUNKEN BARGE AT SITE NEEDS TO BE REMOVED.
- 6 REMOTENESS OF SITE MAY COMPLICATE POLICING OF AREA.



OPPORTUNITIES AND CONSTRAINTS

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SITE ANALYSIS

SITE OPPORTUNITIES
 & CONSTRAINTS

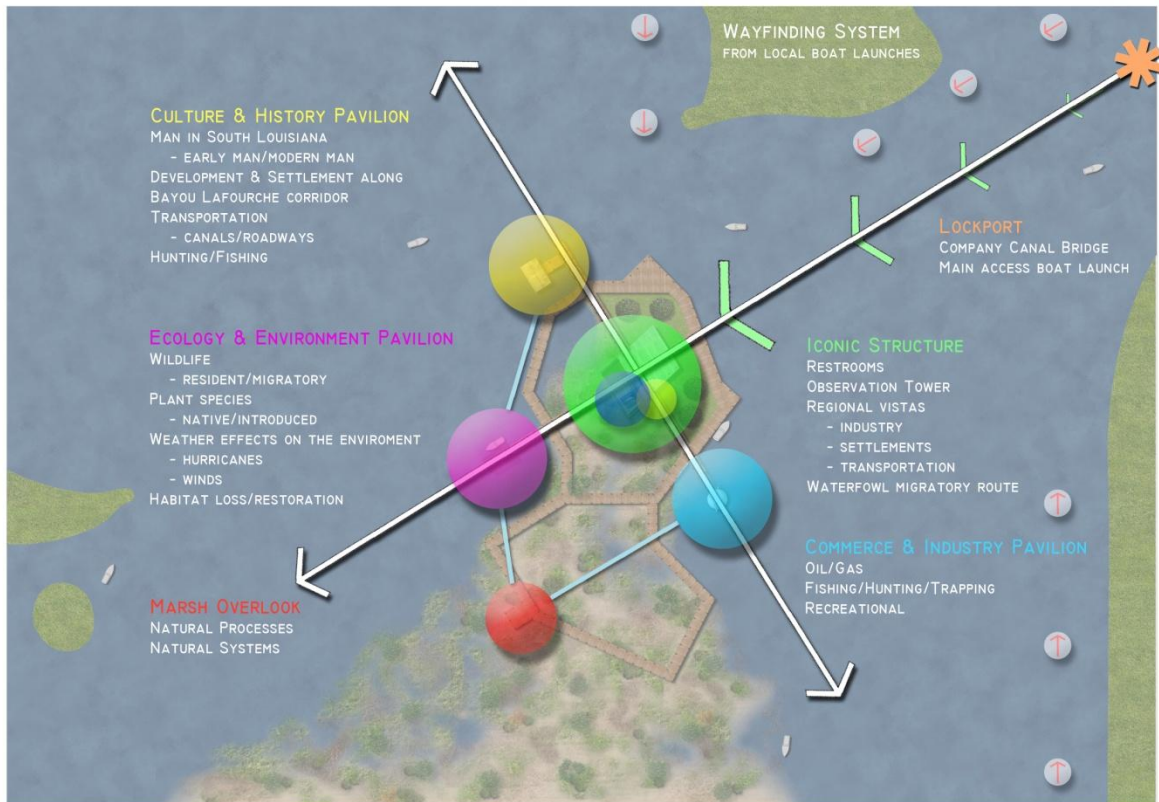
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SITE PROGRAM

MASTER PLAN PROGRAM ELEMENTS:

-  - ONE MAIN SHELTER
-  - SEVERAL SMALLER SHELTERS
-  - OBSERVATION TOWER
-  - RESTROOMS
-  - FISHING PIERS ALONG BOARDWALKS FOR USE IN RECREATIONAL AND INTERPRETIVE USES
-  - FACILITY TO ALLOW FOR USE BY MORE THAN ONE GROUP
-  - FACILITIES TO BE VANDALISM PROOF AND MADE OF MAINTENANCE FREE MATERIALS
-  - OVERALL DESIGN TO CONSIDER LONG TERM MAINTENANCE
-  - INCLUDE LIGHTING FOR SECURITY REASONS
-  - BESIDES RECREATION USES, FACILITY TO PROVIDE INTERPRETIVE OPPORTUNITIES FOR USERS (EX: STUDY OF THE REGION'S CULTURAL HERITAGE, PLANT SPECIES AND WILDLIFE)
-  - SITE TO BE BUILT IN PHASES, WITH THE MAIN FACILITY TO BE BUILT ON THE 100' X 200' ZONE DISCUSSED
-  - PROVIDE WAYFINDING SYSTEM FROM ALL BOAT LAUNCH LOCATIONS (GRAPHICS, LOGO, DIRECTIONAL MAP AND PYLON SYSTEM ALONG COMPANY CANAL)
-  - CONSIDER USE OF RECYCLED MATERIALS, SUSTAINABLE DESIGN AND GREEN ENERGY PRODUCTION



CONCEPT DIAGRAM

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SITE PROGRAM

CONCEPT DIAGRAM

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MASTER PLAN ELEMENTS



MAIN PAVILION	2688 SF
- RESTROOMS	
- OBSERVATION TOWER	284 SF
- COVERED GATHERING AREA	
- WIND TURBINE	
CULTURE & HISTORY PAVILION	390 SF
- PIER	
ECOLOGY & ENVIRONMENT PAVILION	225 SF
- FLOATING PIER	
COMMERCE & INDUSTRY PAVILION	314 SF
- PIER	
BOARDWALK SYSTEM	2000 LF
- BOAT ACCESSIBLE/STEP-UP ACCESS	
- VIEWING AREAS	



OVERALL SITE PLAN

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MASTER PLAN

OVERALL SITE PLAN

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MAIN PAVILION



VIEW THROUGH MAIN PAVILION



A - VIEW APPROACHING COMPANY CANAL



B - VIEW FROM LAKE FIELDS

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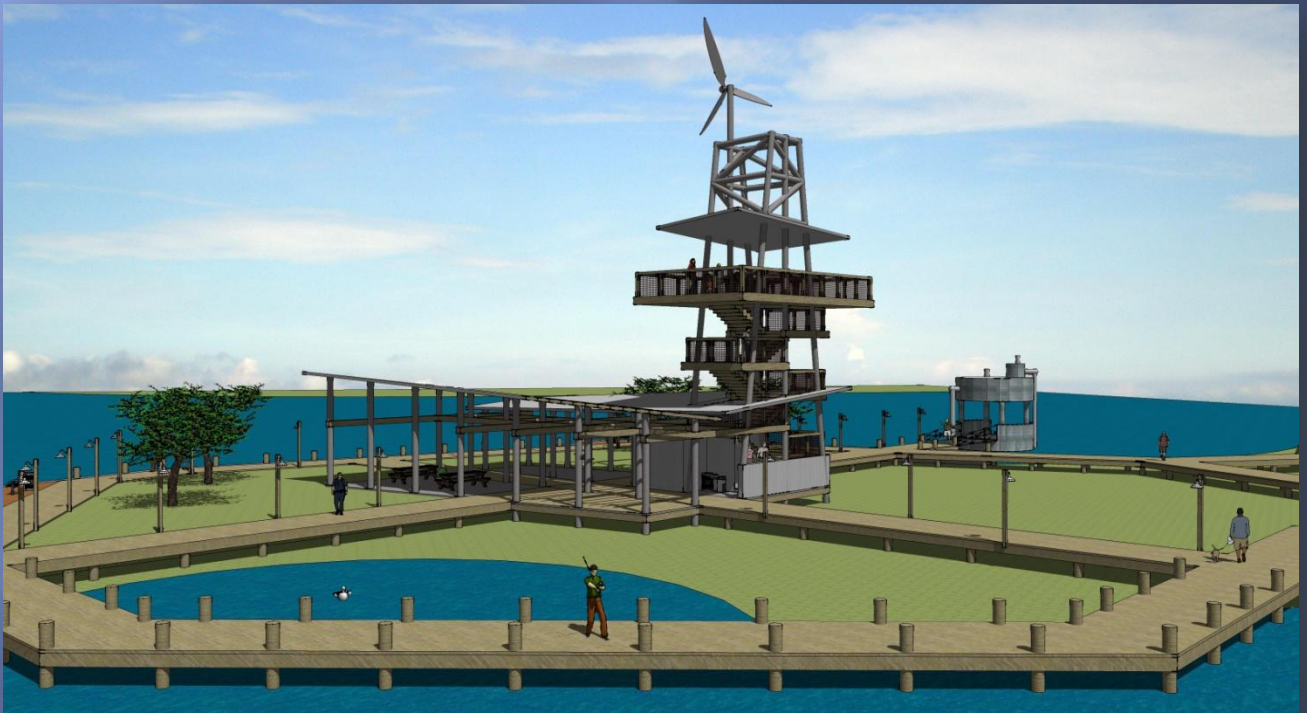
MASTER PLAN

MAIN PAVILION

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View approaching Company Canal



View from Lake Fields

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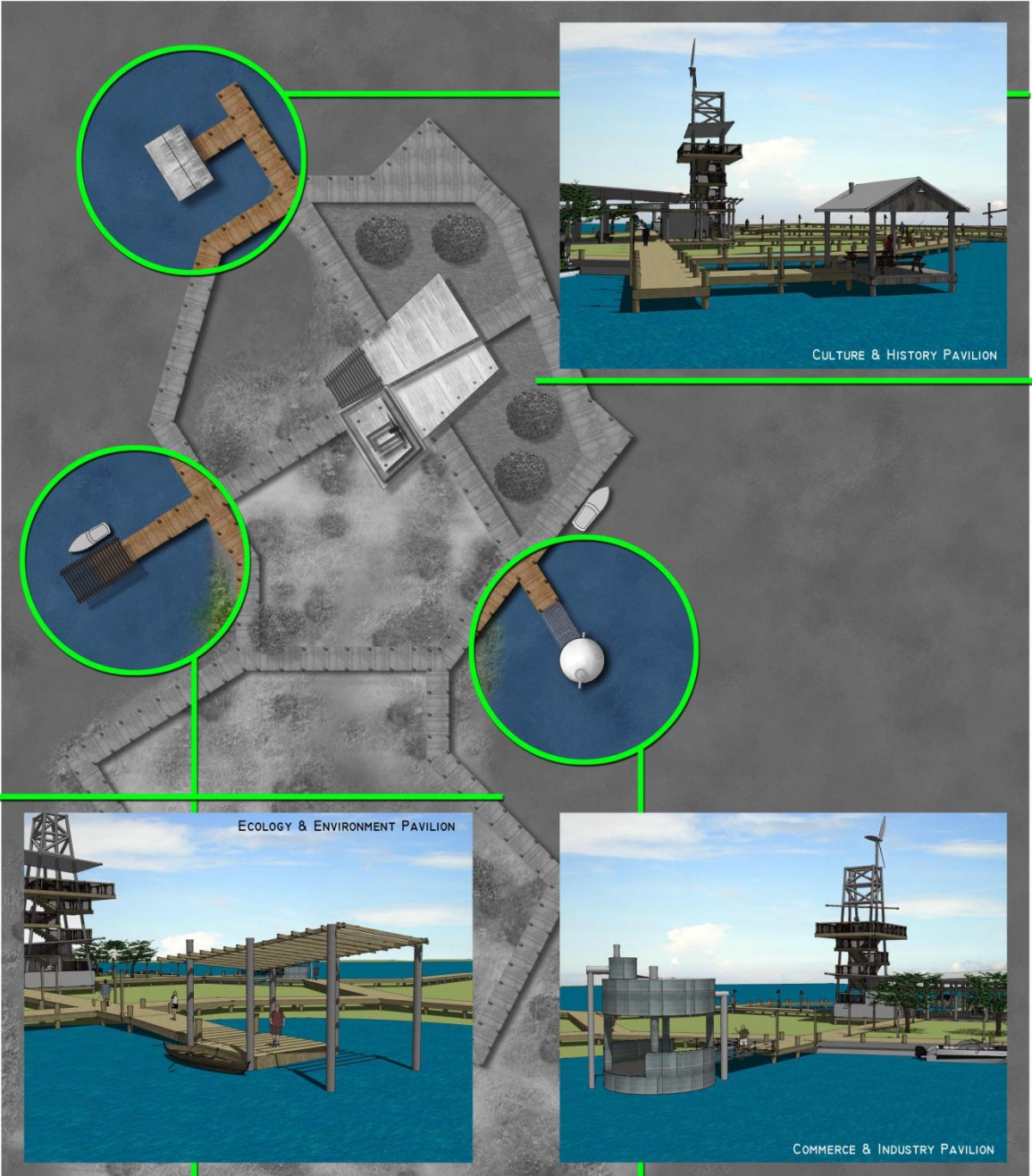
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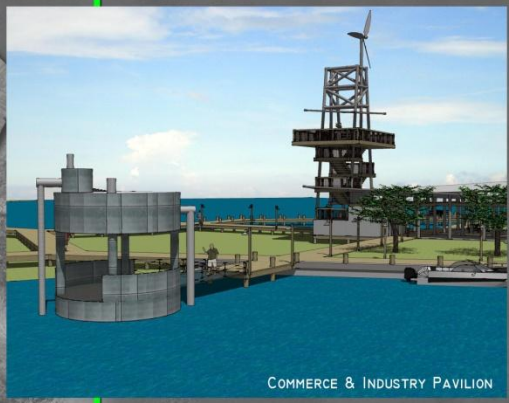
INTERPRETIVE PAVILIONS



CULTURE & HISTORY PAVILION



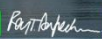
ECOLOGY & ENVIRONMENT PAVILION



COMMERCE & INDUSTRY PAVILION

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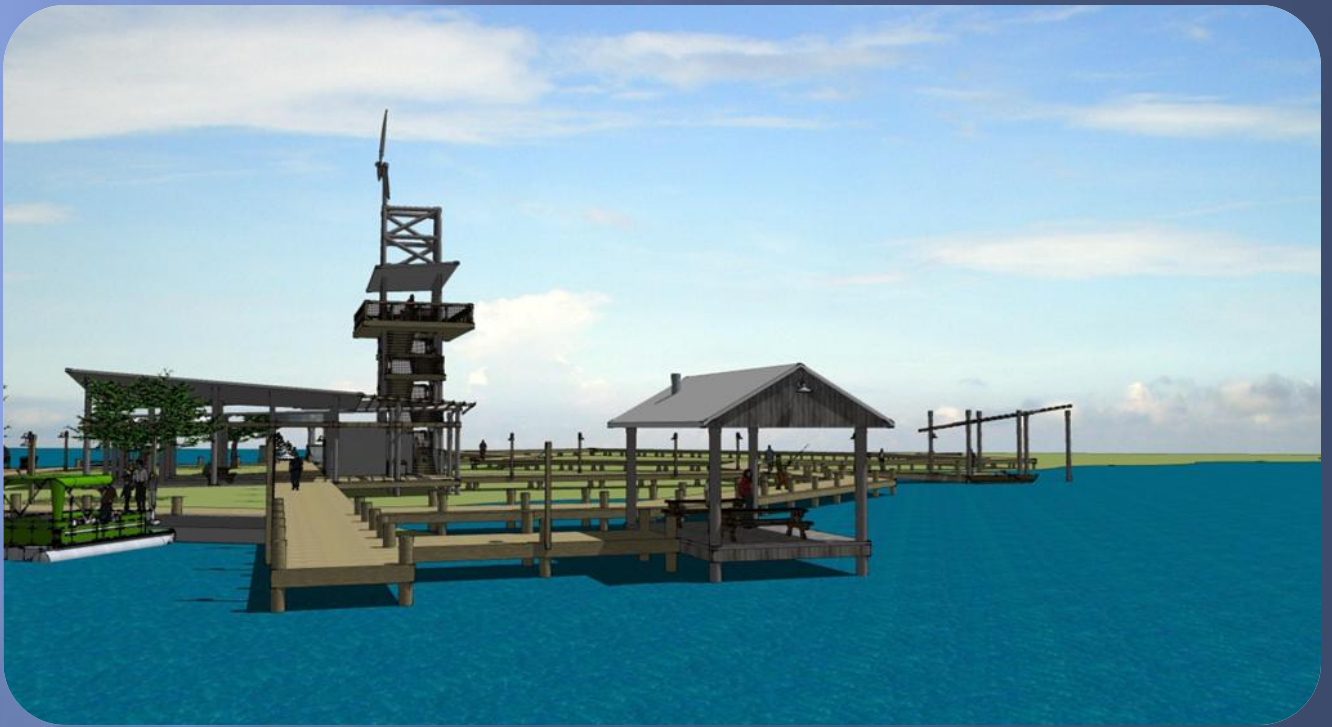
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MASTER PLAN

INTERPRETIVE PAVILIONS

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Culture & History Pavilion

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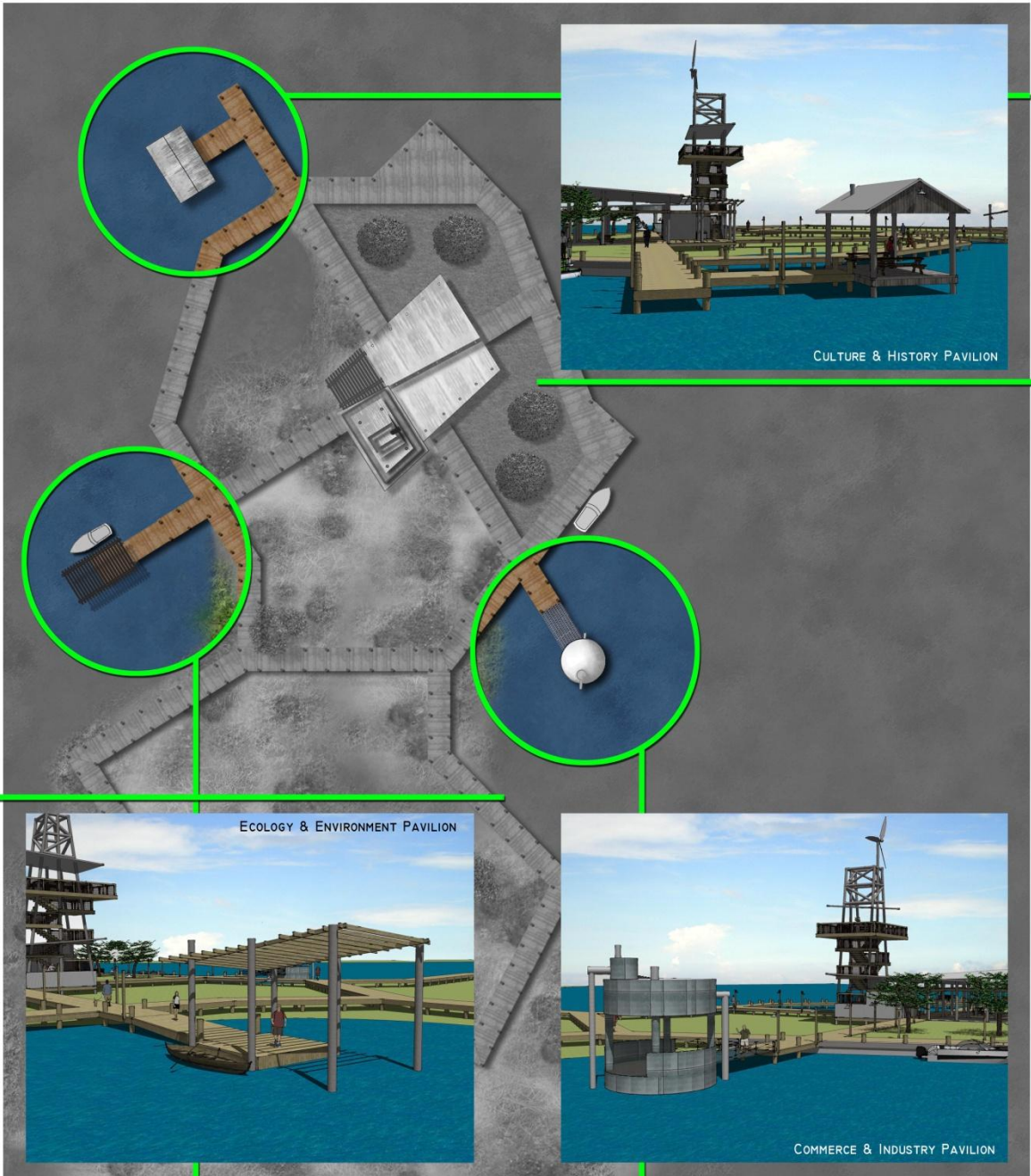
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INTERPRETIVE PAVILIONS



CULTURE & HISTORY PAVILION



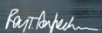
ECOLOGY & ENVIRONMENT PAVILION



COMMERCE & INDUSTRY PAVILION

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MASTER PLAN

INTERPRETIVE PAVILIONS

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Ecology & Environment Pavilion

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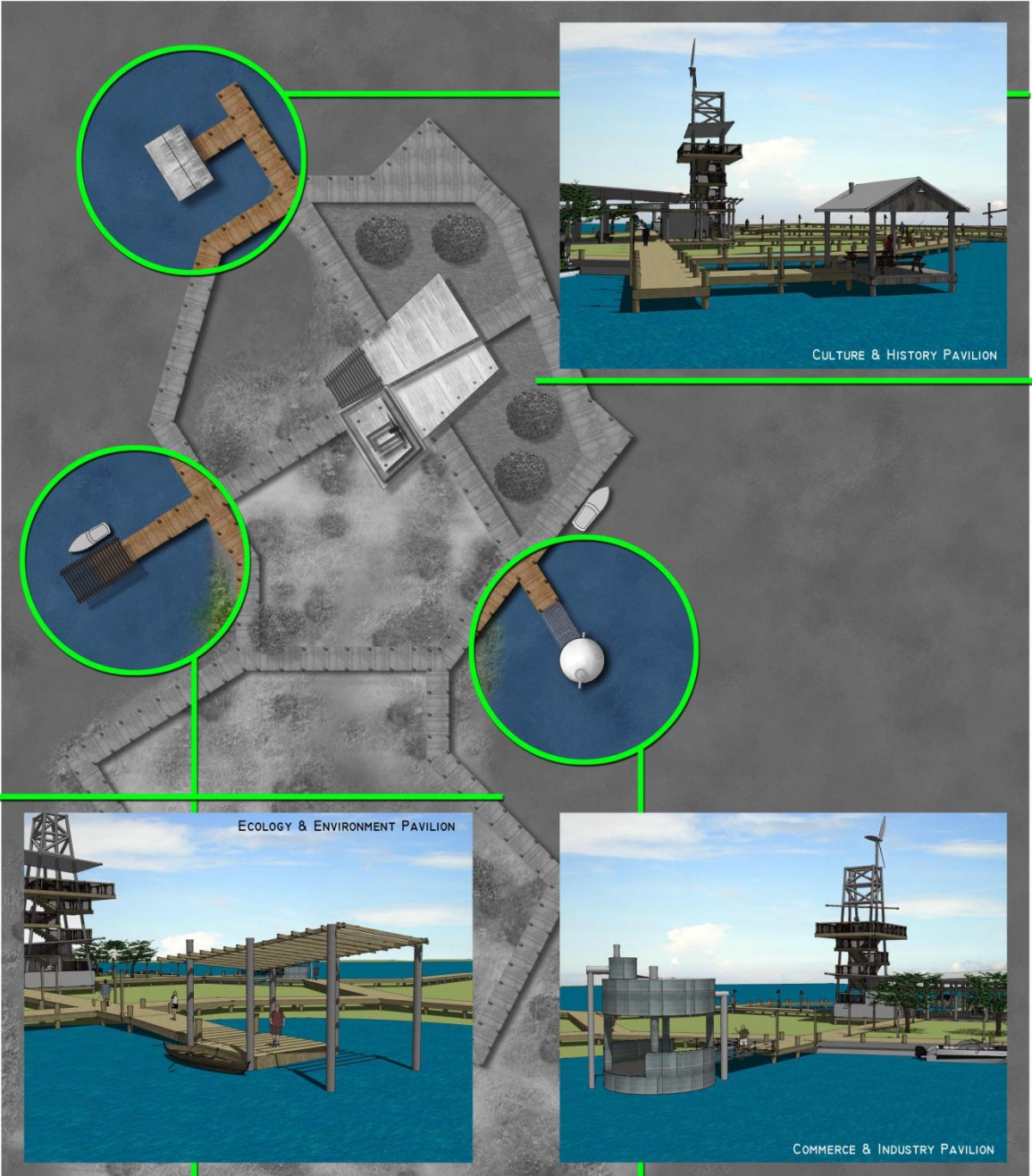
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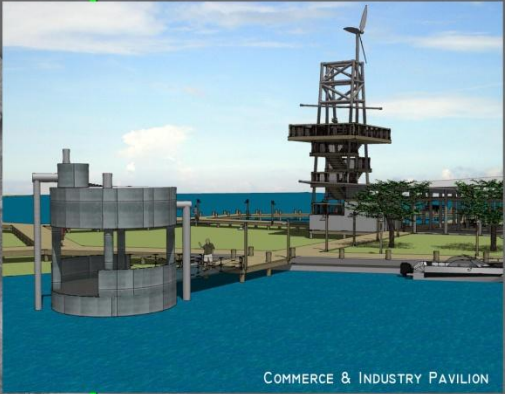
INTERPRETIVE PAVILIONS



CULTURE & HISTORY PAVILION



ECOLOGY & ENVIRONMENT PAVILION



COMMERCE & INDUSTRY PAVILION

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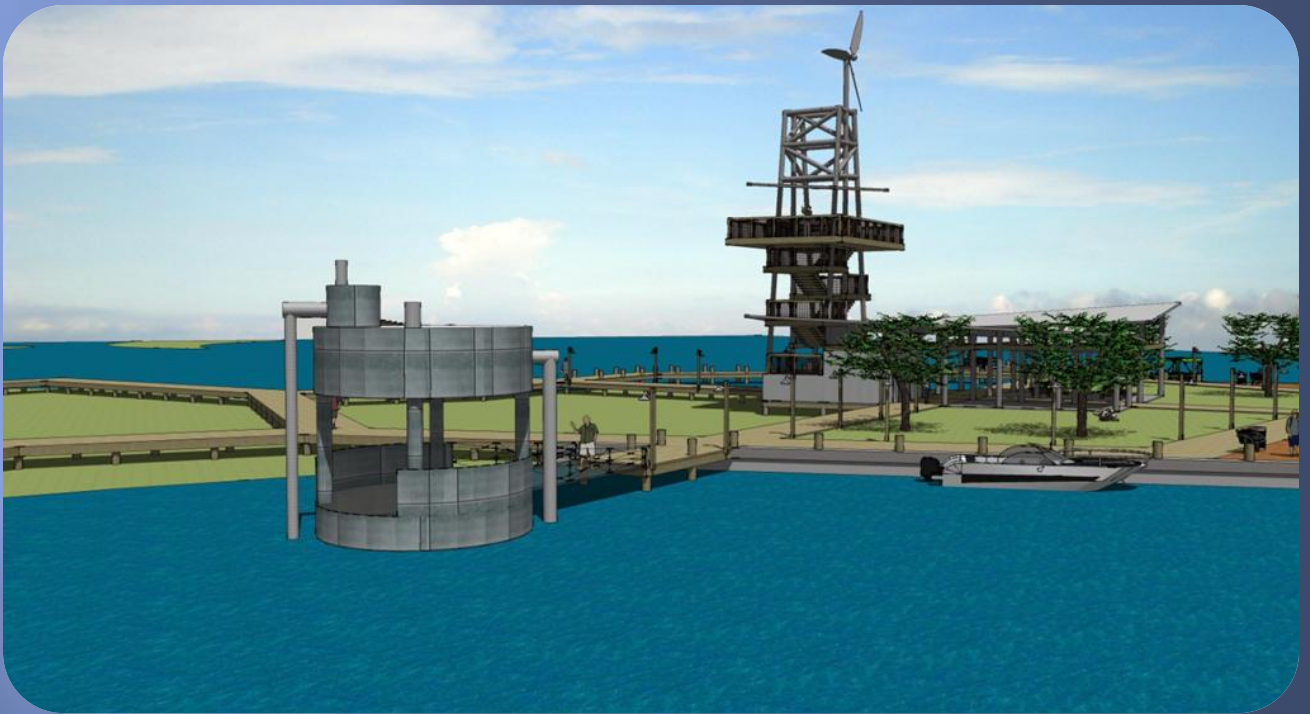
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MASTER PLAN

INTERPRETIVE PAVILIONS

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Commerce & Industry Pavilion

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WAYFINDING SYSTEM



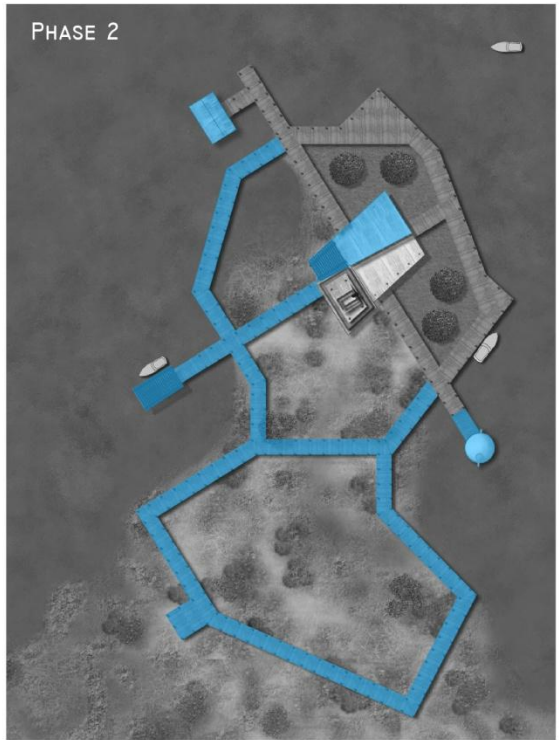
SIGNAGE ALONG COMPANY CANAL



TYPICAL LOGO AND BOAT LAUNCH MAP



PHASE 1



PHASE 2

PHASING PLAN

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WAYFINDING SYSTEM

PHASING PLAN

DECEMBER 14, 2009

Statement of Probable Construction Cost

Lake Fields Outdoor Facility

Master Plan

Lafourche Parish Game and Fish Com.

December 14, 2009

Preliminary Cost Estimate

Site Improvements (Phase One)

Description	quantity	unit	cost	extension	Remarks
Excavation/Foundations and Piling	661	lf	400.00	264,400.00	
Bulkhead Construction	283	lf	475.00	134,425.00	
Main Pavilion (includes restrooms)	925	sf	100.00	92,500.00	
Tower Structure	284	sf	200.00	56,800.00	
Wind Turbine	1	ea	35000.00	35,000.00	
Site Electrical & Lighting	20	ea	1500.00	30,000.00	
Landscaping (Native trees & shrubs)	1	ls	10000.00	10,000.00	
Interpretive Exhibits (plaques and signage)	1	ls	5000.00	5,000.00	
Contingency (+ 10% of above costs)	1	ls		62,812.50	
Design and Engineering	1	ls		62,812.50	
Total Project Cost				690,937.50	

Site Improvements (Phase Two)

Description	quantity	unit	cost	extension	Remarks
Excavation/Foundations and Piling	988	lf	400.00	395,200.00	
Main Pavilion (Phase 2)	1494	sf	100.00	149,400.00	
Site Electrical & Lighting	10	ea	1500.00	15,000.00	
Commerce & Industry Pavilion	314	sf	100.00	31,400.00	
Cultural & History Pavilion	390	sf	65.00	25,350.00	
Ecology & Environment Pavilion	225	sf	60.00	13,500.00	
Landscaping (Native trees & shrubs)	1	ls	10000.00	10,000.00	
Interpretive Exhibits	1	ls	10000.00	10,000.00	
Contingency (+ 10% of above costs)	1	ls		64,985.00	
Design and Engineering	1	ls		64,985.00	
Total Project Cost				779,820.00	

LAKE FIELDS OUTDOOR FACILITY MASTER PLAN

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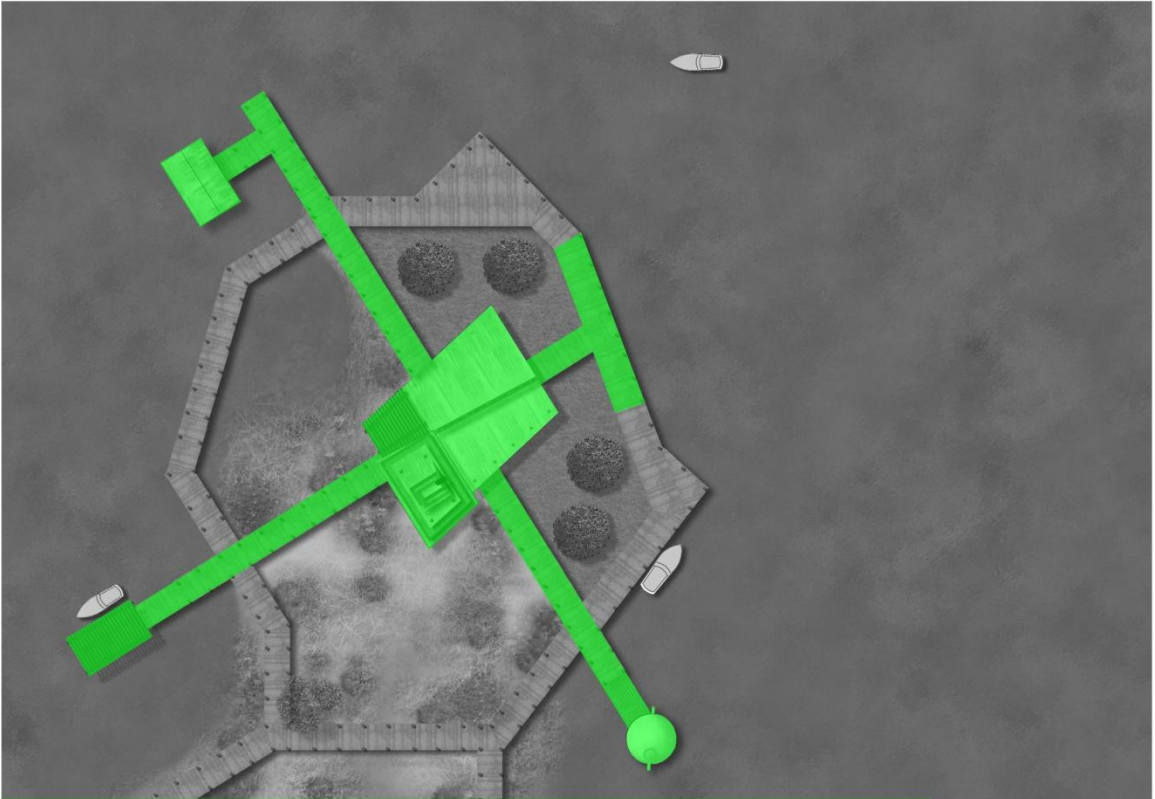
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SITE PLAN OPTION "B"



Statement of Probable Construction Cost

Lake Fields Outdoor Facility

Master Plan

Lafourche Parish Game and Fish Com.

December 14, 2009

Preliminary Cost Estimate

Site Improvements (Option B)

Description	quantity	unit	cost	extension	Remarks
Excavation/Foundations and Piling	454	lf	400.00	181,600.00	
Bulkhead Construction	50	lf	475.00	23,750.00	
Main Pavilion (includes restrooms)	2419	sf	100.00	241,900.00	
Tower Structure	284	sf	200.00	56,800.00	
Wind Turbine	1	ea	35000.00	35,000.00	
Commerce & Industry Pavilion	314	sf	100.00	31,400.00	
Cultural & History Pavilion	390	sf	65.00	25,350.00	
Ecology & Environment Pavilion	225	sf	60.00	13,500.00	
Site Electrical & Lighting	20	ea	1500.00	30,000.00	
Landscaping (Native trees & shrubs)	1	ls	10000.00	10,000.00	
Interpretive Exhibits (plaques and signage)	1	ls	15000.00	15,000.00	
Contingency (+ 10% of above costs)	1	ls		66,430.00	
Design and Engineering	1	ls		66,430.00	
Total Project Cost				730,730.00	

OPTION "B" COST ESTIMATE

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MASTER PLAN

OPTION "B"

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