DEPARTMENT OF THE ARMY
SAVANNAH DISTRICT, CORPS OF ENGINEERS
100 WEST OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3640

REPLY TO
ATTENTION OF

DECEMBER 26 2012

Regulatory Division
SAS-2012-00323

JOINT PUBLIC NOTICE
Savannah District/State of Georgia

The Savannah District has received an application for a Department of the Army Permit, pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344), as follows:

Application Number: SAS-2012-00323

Applicant: City of Savannah
5515 Abercorn Street
Savannah, Georgia 31402

Agent: Mr. William Huffman
H+K Engineering Group
306 Commercial Drive, Suite B
Savannah, Georgia 31406

Location of Proposed Work: The project site is located in the Forest River at 14915 Coffee Bluff Road in Savannah, Chatham County, Georgia (Latitude 31.9359, Longitude -81.1544).

Description of Work Subject to the Jurisdiction of the US Army Corps of Engineers: The proposed project is to modify an existing marina including the store, boat storage building, community park and paved parking for cars and trailers. The proposed marina improvements would include a new concrete floating dock supported by concrete piling, an aluminum gangway supported by timber piling, a new boat hoist with concrete piling and steel members, a timber observation pier supported by concrete piling, a vinyl sheet bulkhead with a concrete cap and a kayak launch area consisting of sand lain on filter fabric. The proposed structures would have an impact of approximately 15,232 square feet. The proposed concrete floating dock would have 36 slips and would be 188 feet long and 277 feet wide at its widest point. The proposed docks would have approximately 2,162 feet of mooring space. The proposed aluminum gangway would extend from the shoreline approximately 45 feet to the proposed dock and is approximately 43 feet wide at its widest point. The proposed hoist would be approximately 20 feet wide and 100 feet long. The timber observation pier would be approximately 77 feet long and 40 feet wide at its widest point. The proposed kayak launch area would be located at the area of the abandoned boat ramp. It would be approximately 87 feet long, 43 feet wide at the shoreline and 17 feet wide at its upland origin. The existing fuel tank and dispenser along with two foam filled abandoned fuel tanks would be removed. The upland fueling system would

connect to the fueling station on the dock via piping installed in conduits cast into the dock. The Forest River is 600 feet wide from mean low water (MLW) to MLW at this location and the structure would extend 200 feet beyond MLW. No dredging is proposed. The applicant is not proposing compensatory mitigation.

BACKGROUND

This Joint Public Notice announces a request for authorizations from both the US Army Corps of Engineers and the State of Georgia. The applicant's proposed work may also require local governmental approval.

The existing marina at Coffee Bluff consists of a dock, gangway, boat hoist, abandoned boat ramp, rip rap lined bank, marina store and a fuel tank with dispensers. The existing marina structures cover an area of approximately 3,500 square feet. The existing dock is a wooden floating dock supported by wooden piling. The dock is approximately 164 feet long and 86 feet wide at its widest point. It has approximately 824 feet of mooring space and 20 boat slips. The existing gangway is a wooden structure with wood piles and an aluminum ramp. The wooden decking extends from the shore approximately 47 feet to the docks and is 12 feet wide at its widest point. The existing hoist is a wooden structure approximately 10 feet wide and extends 74 feet from the shoreline. All structures are in various stages of deterioration.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division, intends to certify this project at the end of 30 days in accordance with the provisions of Section 401 of the Clean Water Act, which is required for a Federal Permit to conduct activity in, on, or adjacent to the waters of the State of Georgia. Copies of the application and supporting documents relative to a specific application will be available for review and copying at the office of the Georgia Department of Natural Resources, Environmental Protection Division, Water Protection Branch, 4220 International Parkway, Suite 101, Atlanta, Georgia 30354, during regular office hours. A copier machine is available for public use at a charge of 25 cents per page. Any person who desires to comment, object, or request a public hearing relative to State Water Quality Certification must do so within 30 days of the State's receipt of application in writing and state the reasons or basis of objections or request for a hearing. The application can be reviewed in the Savannah District, US Army Corps of Engineers, Regulatory Division, 100 West Oglethorpe Avenue Savannah, Georgia 31401-3640.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

Marshland Protection: This notice also serves as notification of a request to alter coastal marshlands (under the provision of the Coastal Marshlands Protection Act, Georgia Laws, 1970, p. 939 and as amended), if required. Comments concerning this action should be submitted to

the Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

Georgia Coastal Management Program: Prior to the Savannah District Corps of Engineers making a final permit decision on this application, the project must be certified by the Georgia Department of Natural Resources, Coastal Resources Division, to be consistent with applicable provisions of the State of Georgia Coastal Management Program (15 CFR 930). Anyone wishing to comment on Coastal Management Program certification of this project should submit comments in writing within 30 days of the date of this notice to the Federal Consistency Coordinator, Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, One Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

US ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army Permit.

Cultural Resources Assessment: Review of the latest published version of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion are located at the site or in the area affected by the proposed work. Presently unknown archaeological, scientific, prehistorical or historical data may be located at the site and could be affected by the proposed work. We request information from the Historic Preservation Division, Georgia Department of Natural Resources or any other interested party, on whether any resources may be present in the area.

Essential Fish Habitat (EFH): This notice initiates the EFH consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of approximately 0.87 acre of EFH utilized by various life stages of species comprising the red drum, shrimp, bluefish or snapper grouper management complexes. Our initial determination is that the proposed action would not have an individual or cumulatively substantial adverse impact on EFH or federally managed fisheries in the Atlantic Ocean. Our final determination relative to project impacts to EFH and the need for mitigation measures are subject to review by and coordination with the NMFS and the South Atlantic Fisheries Management Council.

Endangered Species: Pursuant to Section 7(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.), we request information from the US Department of the Interior, Fish and Wildlife Service (USFWS), the US Department of Commerce, the National Oceanic and Atmospheric Administration, and the National Marine Fisheries Service; or, any other interested party, on whether any species listed or proposed for listing may be present in the area. Based on information from the USFWS website (http://www.fws.gov/endangered), wood stork (*Mycteria americana*), frosted flatwoods salamander (*Ambystoma cingulatum*), piping plover (*Charadrius melodus*), red-cockaded woodpecker (*Picoides borealis*), shortnose sturgeon (*Acipenser brevirostrum*), North Atlantic right whale (*Eubalaena glacialis*), West Indian

manatee (*Trichechus manatus*), eastern indigo snake (*Drymarchon corais couperi*), gopher tortoise (*Gopherus polyphemus*), green sea turtle (*Chelonia mydas*), Kemp's Ridley sea turtle (*Lepidochelys kempii*), leatherback sea turtle (*Dermochelys coriacea*), and loggerhead sea turtle (*Caretta caretta*) have the potential to occur at the site.

Public Interest Review: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

Consideration of Public Comments: The US Army Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Native American Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the US Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

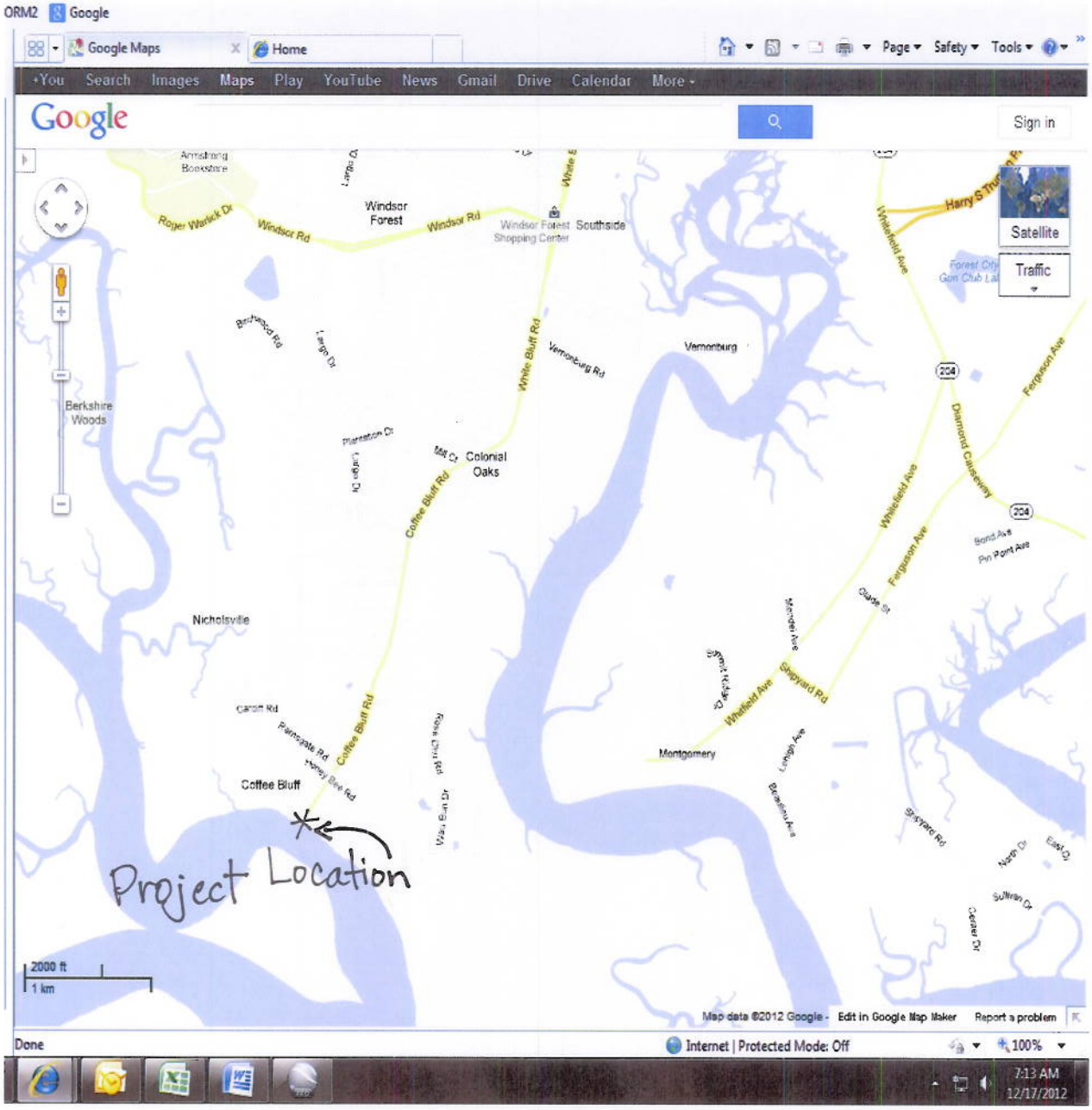
Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army Permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

Comment Period: Anyone wishing to comment on this application for a Department of the Army Permit should submit comments in writing to the Commander, US Army Corps of Engineers, Savannah District, Attention: Mrs. Lisa S. Lovvorn, 100 West Oglethorpe Avenue Savannah, Georgia 31401-3640, no later than 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mrs. Lisa Lovvorn, Regulatory Specialist, Coastal Branch, at 912-652-5558.

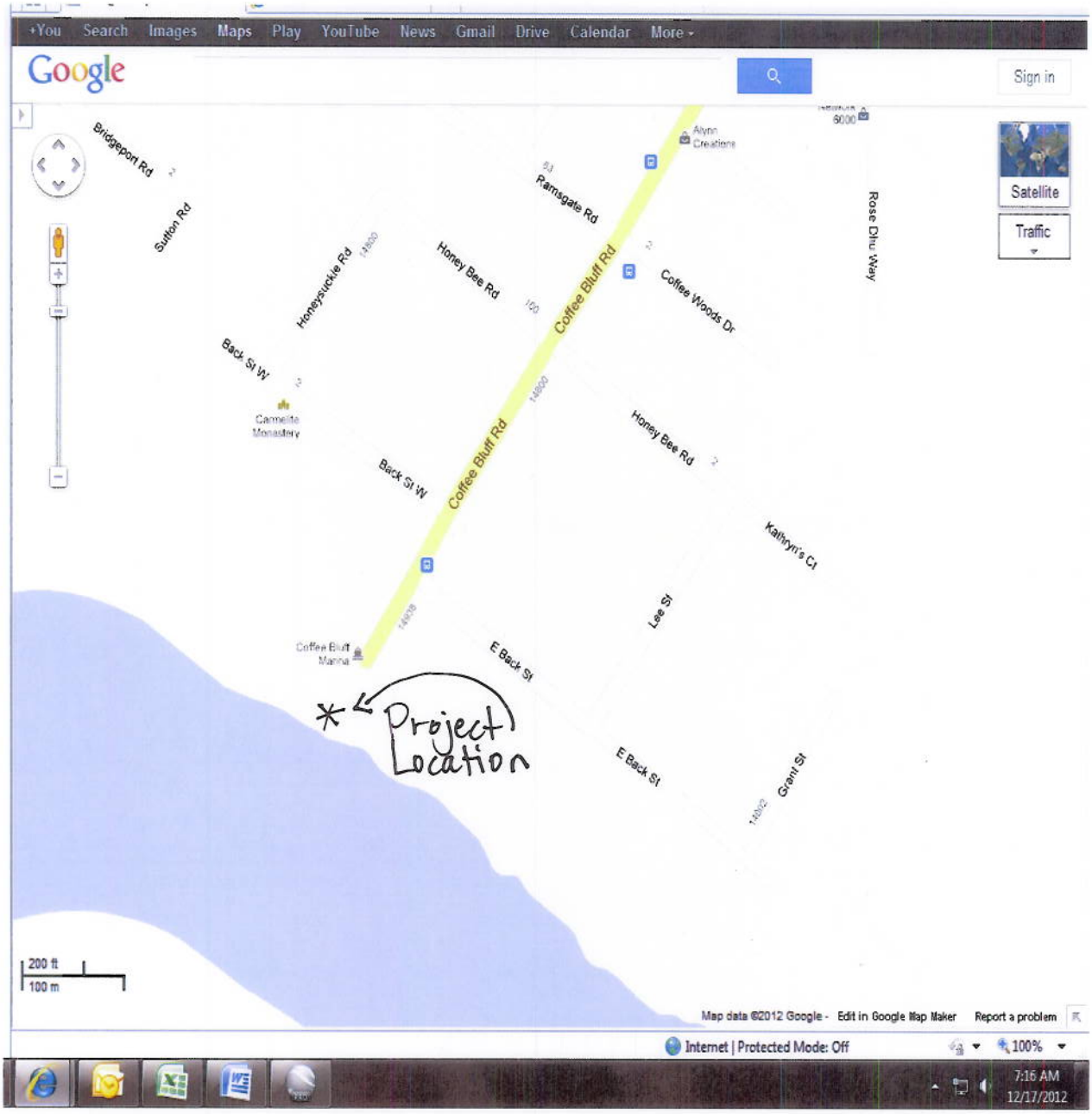
23 Encls
1. Vicinity Map
2. Location map
3. Existing Property Lines and Owners
4. Exisitng Conditions Upland
5. Existing Conditions Marshlands
6. Proposed Layout Uplands
7. Proposed layout marshlands
8. Dock Dimensions and Piles
9. Cross Sections for Proposed Dock
10. Cross Sections for Proposed Dock
11. Proposed Gangway Dimensions and Piles
12. Proposed Gangway Sections
13. Proposed Bulkhead
14. Proposed Bulkhead Sections and Details
15. Proposed Boat Hoist Dimensions and Piles
16. Proposed Boat Hoist Section
17. Proposed Boat Hoist Dimensions and Piles
18. Proposed Boat Hoist Dimensions and Piles
19. Observation Pier Details
20. Kayak Launch Details
21. Stormwater Drain Areas
22. Fuel System Plan
23. Fuel System Details



Coffee Bluff Marina

SAS-20012-00323

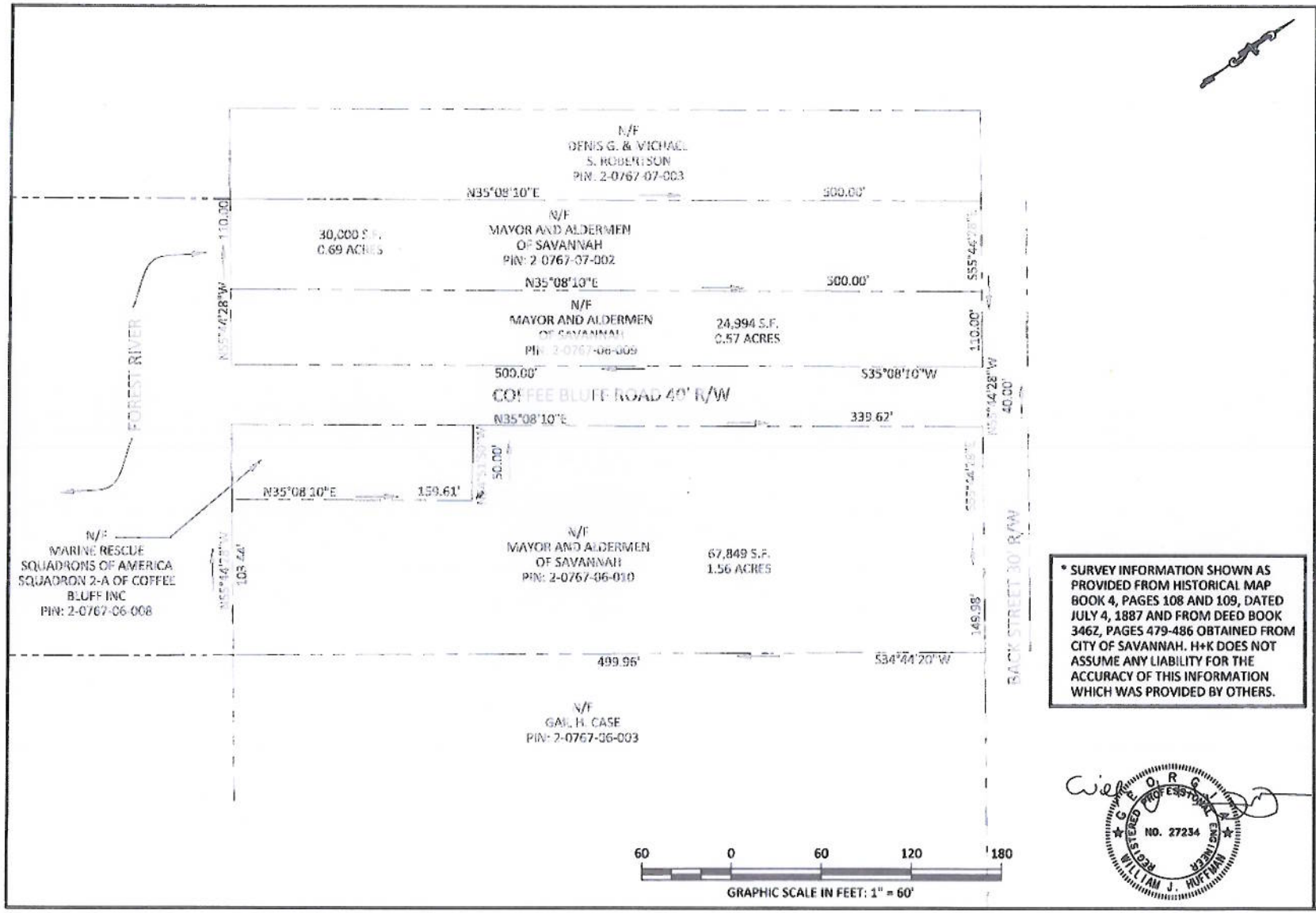
Location Map



Coffee Bluff Marina

SAS-2012-00323

Close-up Location Map



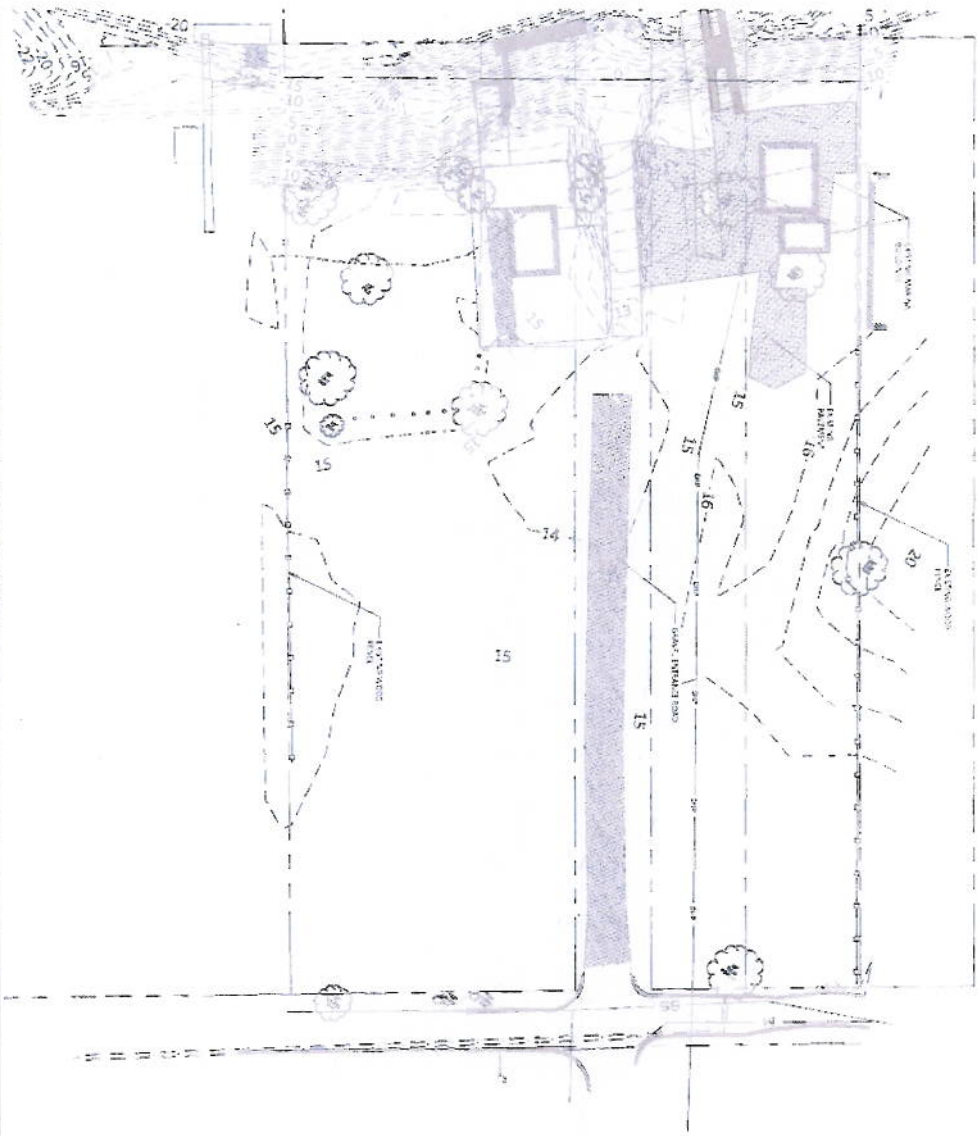
* SURVEY INFORMATION SHOWN AS PROVIDED FROM HISTORICAL MAP BOOK 4, PAGES 108 AND 109, DATED JULY 4, 1887 AND FROM DEED BOOK 346Z, PAGES 479-486 OBTAINED FROM CITY OF SAVANNAH. H+K DOES NOT ASSUME ANY LIABILITY FOR THE ACCURACY OF THIS INFORMATION WHICH WAS PROVIDED BY OTHERS.

GEORGIA REGISTERED PROFESSIONAL ENGINEER
WILLIAM J. HUFFMAN
NO. 27234

H+K ENGINEERING GROUP

EXISTING PROPERTY LINES AND OWNERS
PROJ. NO.: E1000.001
SCALE: 1" =60'
DATE: AUGUST 2012
SHEET 3

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA



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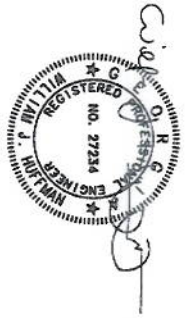
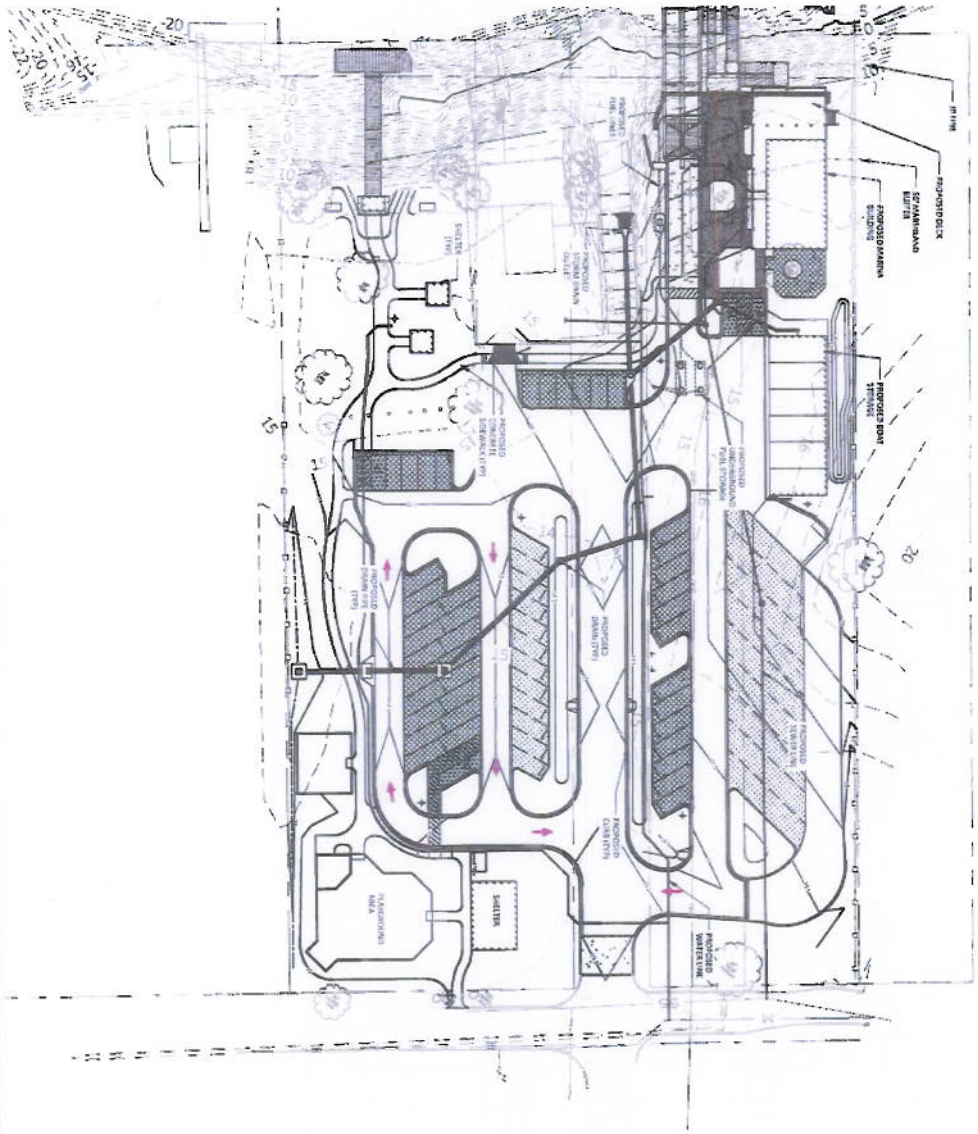


ENGINEERING GROUP
300 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1007
FAX: (912) 201-1705

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

FIGURE:
EXISTING CONDITIONS UPLANDS
PROJ. NO.: E1000.001
SCALE: 1" =60'
DATE: AUGUST 2012
SHEET 4

HENGINEERING GROUP 306 COMMERCIAL DRIVE, SUITE B SAVANNAH, GEORGIA 31406 PHONE: (912) 201-1827 FAX: (912) 201-1703	PROJECT TITLE: PLANS FOR COASTAL MARSHLANDS PERMIT APPLICATION FOR COFFEE BLUFF MARINA	FIGURE: EXISTING CONDITIONS MARSHLANDS PROJ. NO.: E1000.001 SCALE: 1" =60' DATE: AUGUST 2012 SHEET 5



GRAPHIC SCALE IN FEET: 1" = 60'

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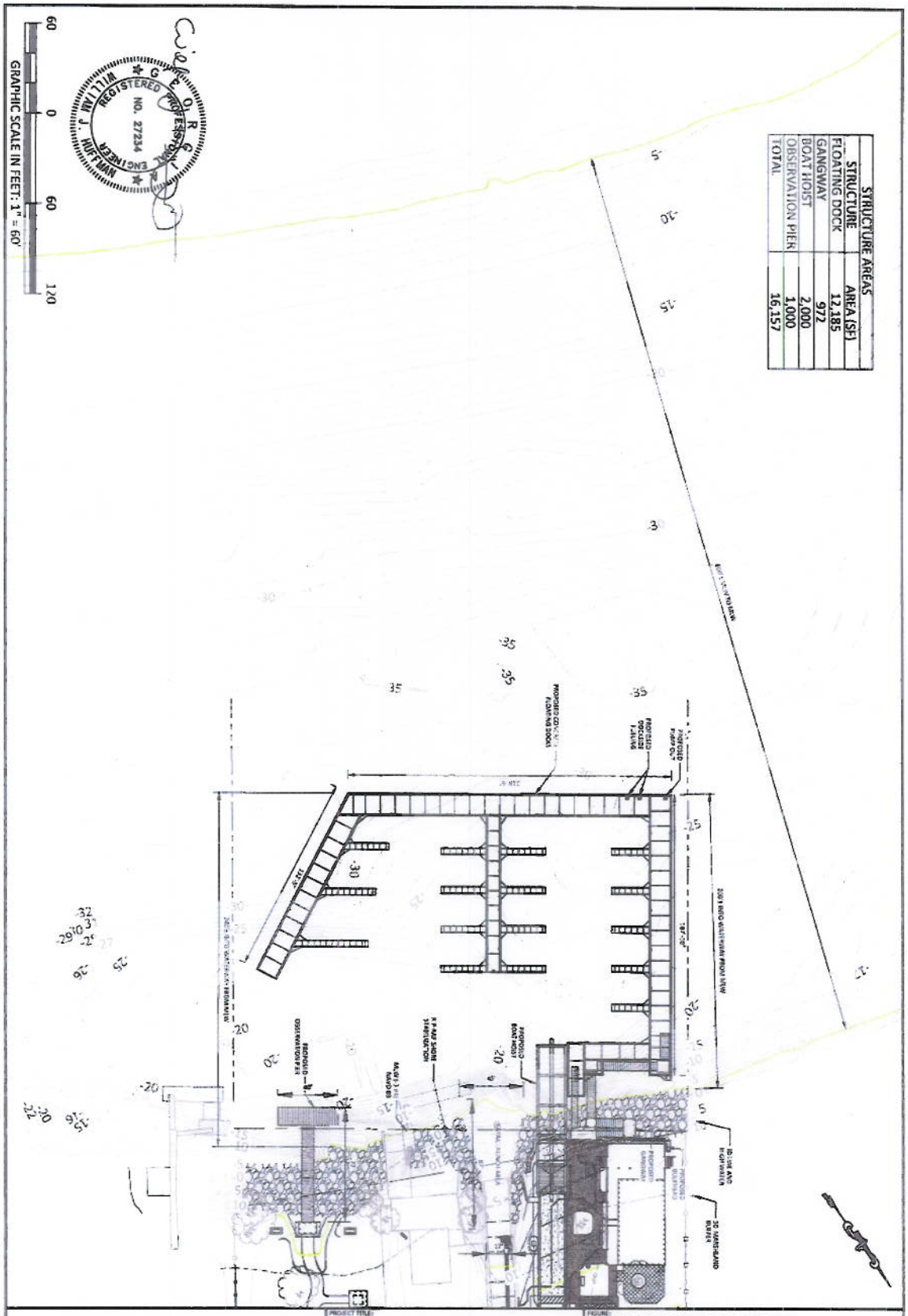
STORM DRAINAGE AND PARKING LAYOUT AS PROVIDED BY EMC ENGINEERING. H+K ENGINEERING DOES NOT ASSUME ANY LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS NOR ANY OF THEIR DRAINAGE ASSUMPTIONS OR CALCULATIONS

GEORGIA REGISTERED PROFESSIONAL ENGINEER WILLIAM J. HUFFMAN NO. 27234

H+K ENGINEERING GROUP
706 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1027
FAX: (912) 201-1703

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

FIGURE:
PROPOSED LAYOUT UPLANDS
PROJ. NO.: E1000.001
SCALE: 1" =60'
DATE: AUGUST 2012
SHEET 6

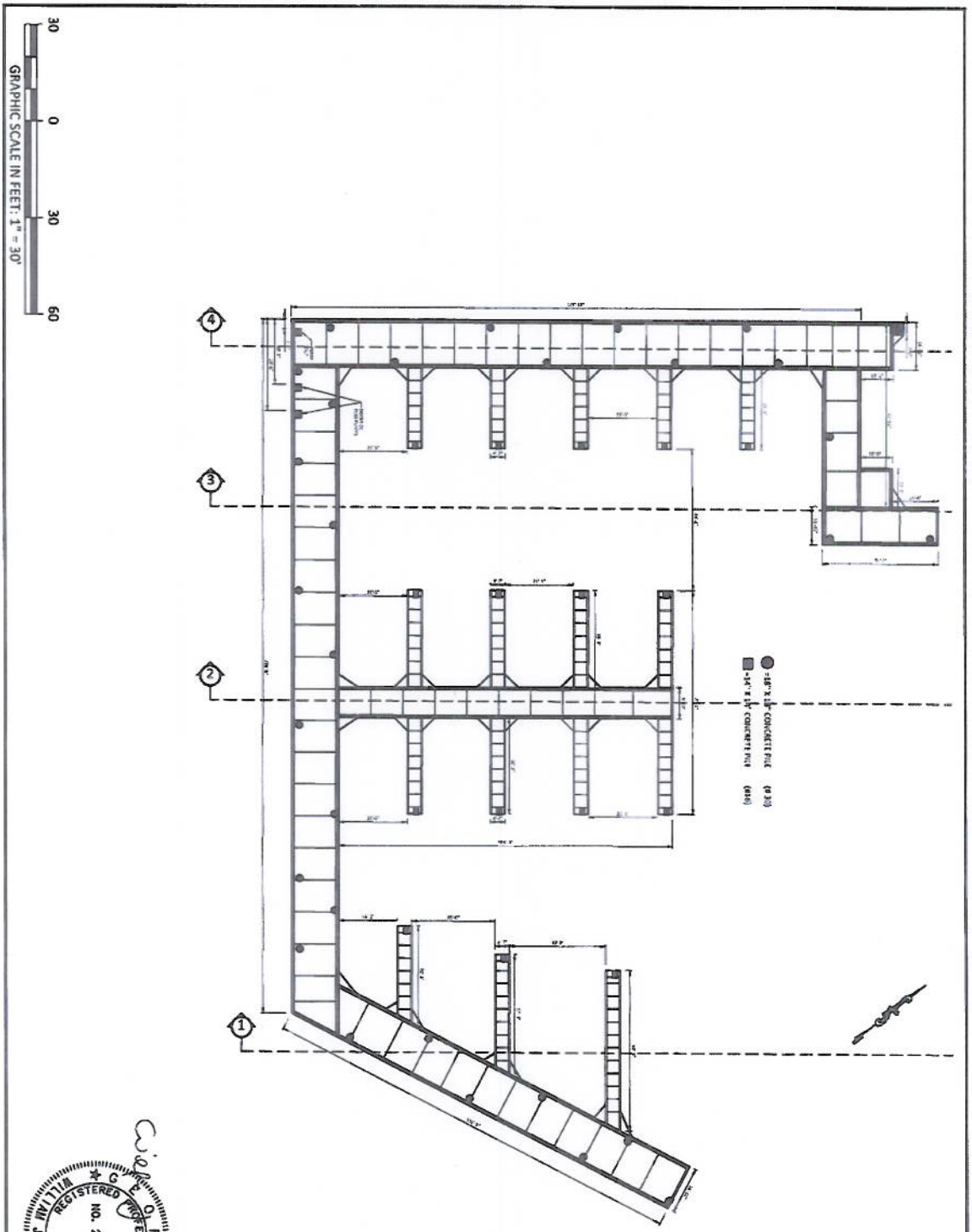


HK ENGINEERING GROUP
306 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1807
FAX: (912) 201-1705

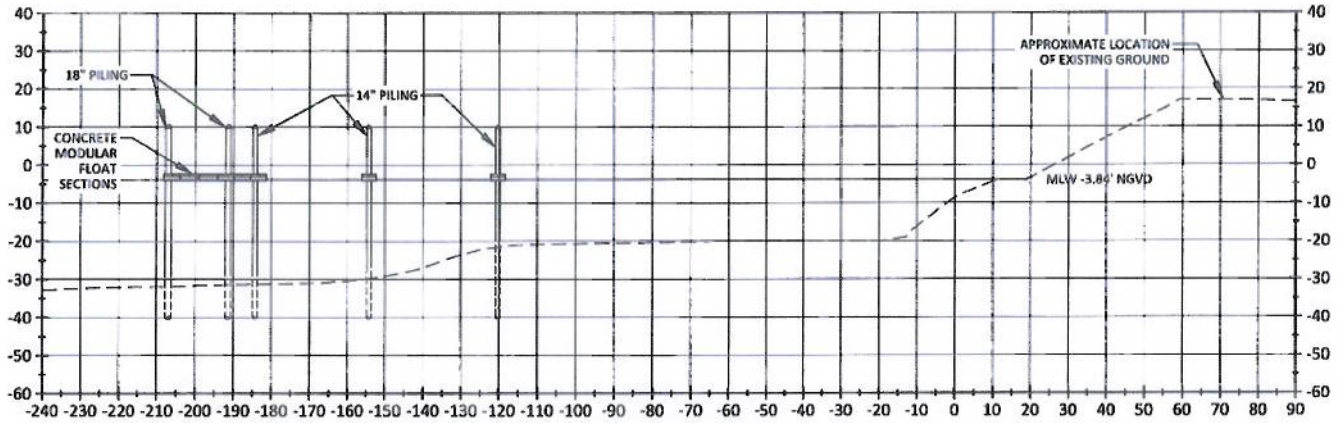
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

PROPOSED LAYOUT MARSHLANDS
PROJ. NO.: E1000.001
SCALE: 1" =60'
DATE: AUGUST 2012
SHEET 7

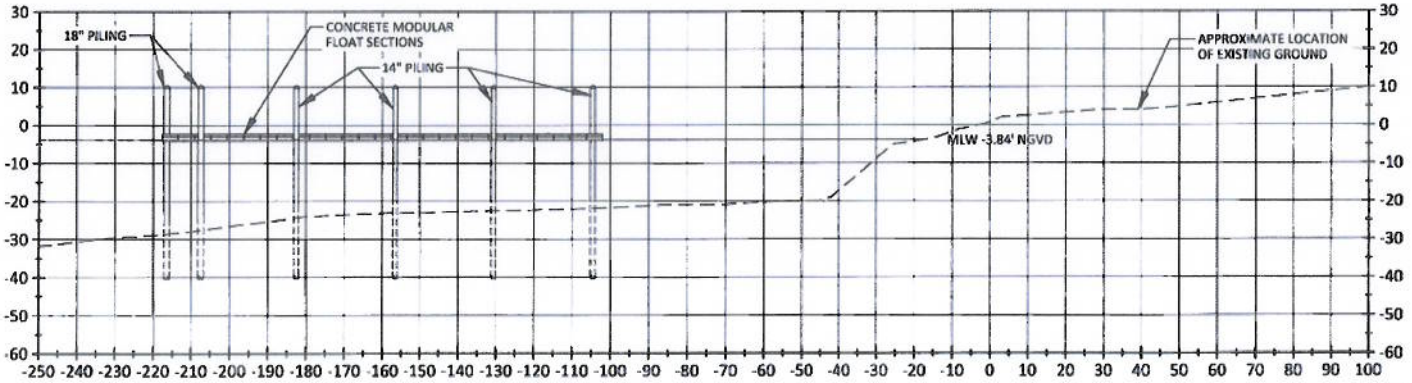
Revision Date: October 16, 2012



HK ENGINEERING GROUP 306 COMMERCIAL DRIVE, SUITE B SAVANNAH, GEORGIA 31406 PHONE: (912) 201-1027 FAX: (912) 201-1703	PROJECT TITLE: PLANS FOR COASTAL MARSHLANDS PERMIT APPLICATION FOR COFFEE BLUFF MARINA	FIGURE: PROPOSED DOCK DIMENSIONS AND PILES PROJ. NO.: E1000.001 SCALE: 1" =30' DATE: AUGUST 2012 SHEET 8



1 CROSS SECTION
Scale: 1"=30'



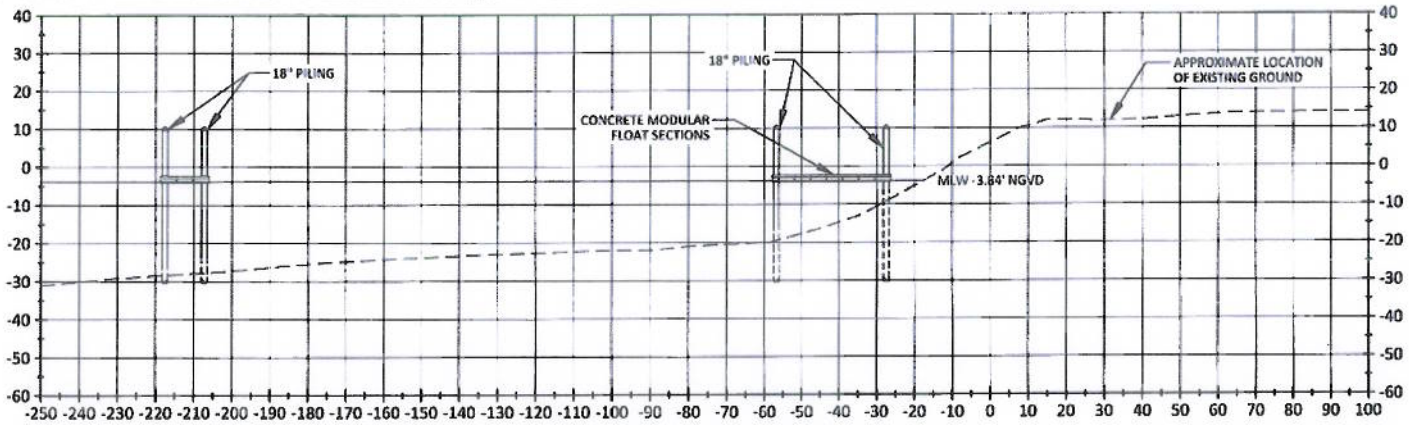
2 CROSS SECTION
Scale: 1"=30'

REGISTERED PROFESSIONAL ENGINEER
WILLIAM J. HUFFMAN
NO. 27234

CROSS SECTIONS FOR PROPOSED DOCK
PROJ. NO.: E1000.001
SCALE: AS SHOWN
DATE: AUGUST 2012
SHEET 9

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

ENGINEERING GROUP



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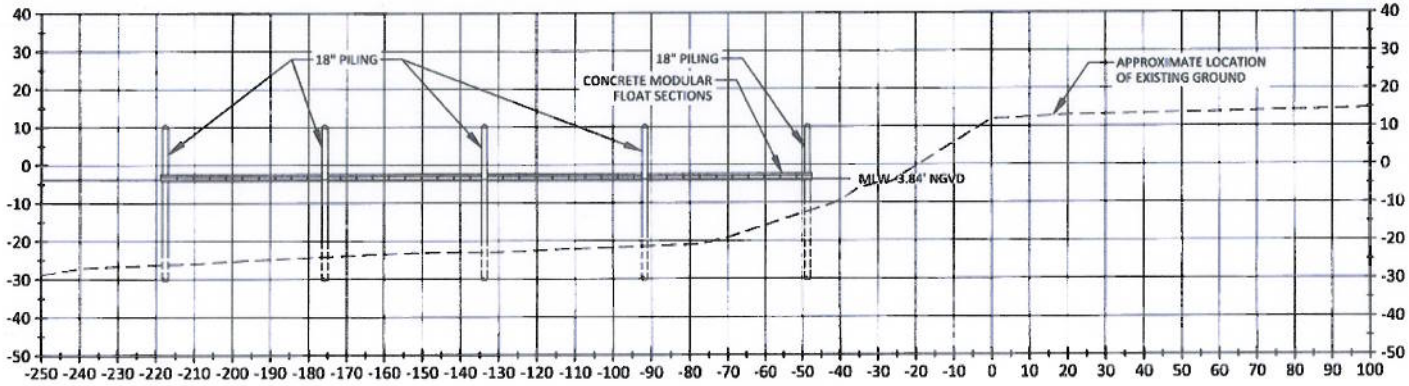


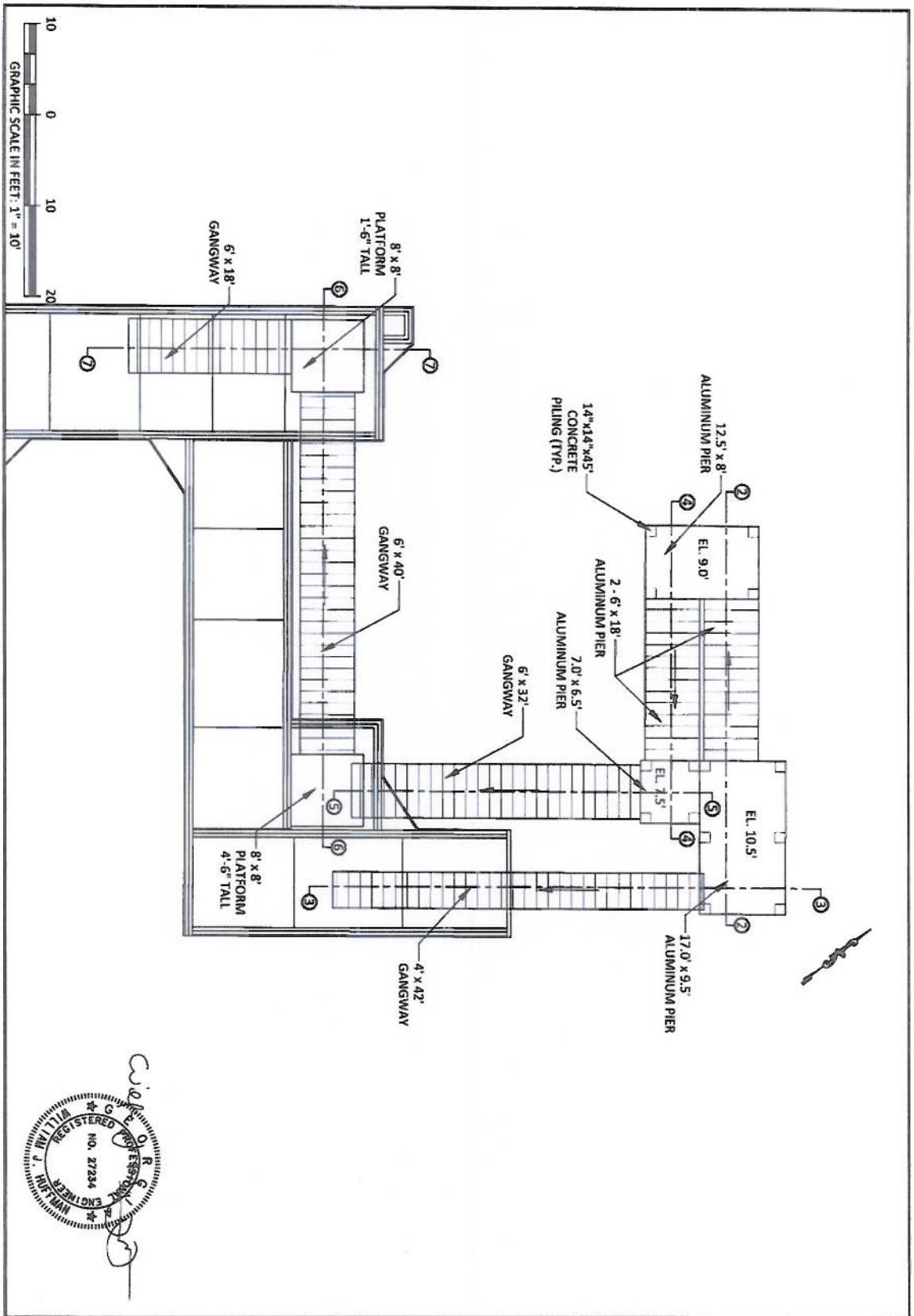
4 CROSS SECTION
Scale: 1"=30'

REGISTERED PROFESSIONAL ENGINEER
WILLIAM J. HUFFMAN
NO. 27234
STATE OF GEORGIA

CROSS SECTIONS FOR PROPOSED DOCK
PROJ. NO.: E1000.001
SCALE: AS SHOWN
DATE: AUGUST 2012
SHEET 10

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

ENGINEERING GROUP



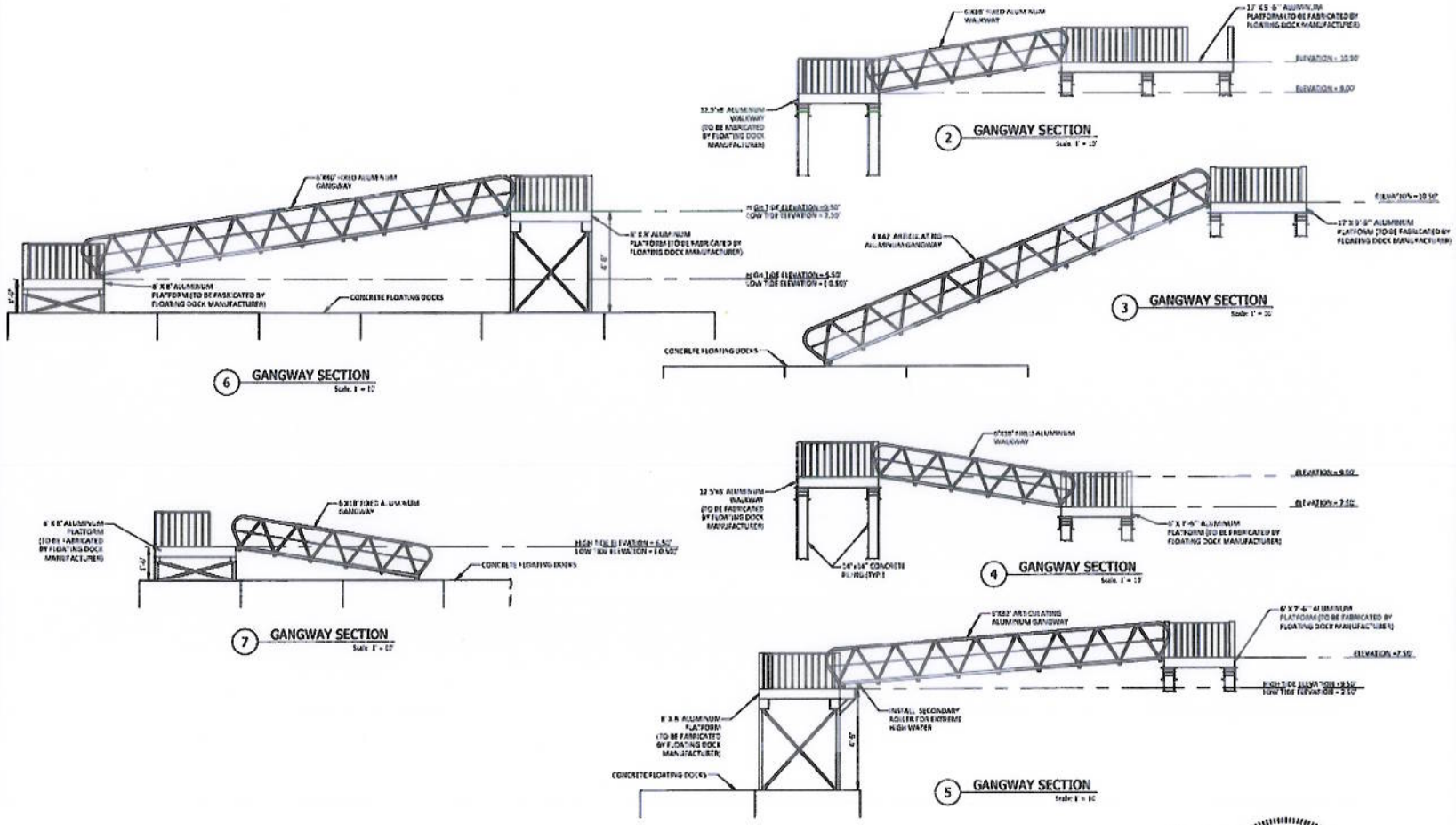
ENGINEERING GROUP
306 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1807
FAX: (912) 201-1703

PROJECT TITLE:

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

FIGURE:

PROPOSED GANGWAY DIMENSIONS AND PILES
PROJ. NO.: E1000.001
SCALE: 1" =10'
DATE: AUGUST 2012
SHEET 11

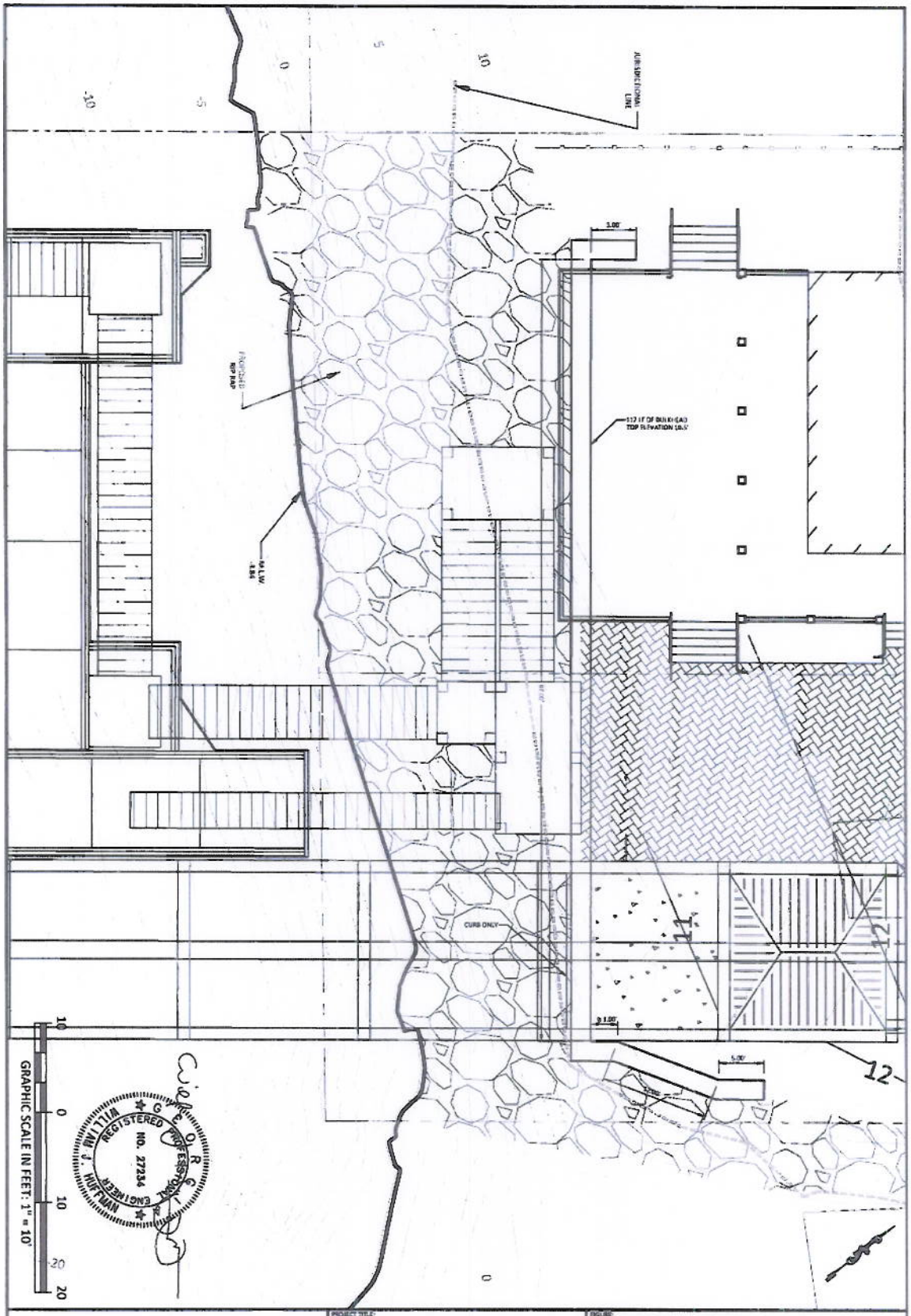


PROPOSED GANGWAY SECTIONS
PROJ. NO.: E1000.001
SCALE: AS SHOWN
DATE: AUGUST 2012
SHEET 12

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

ENGINEERING GROUP

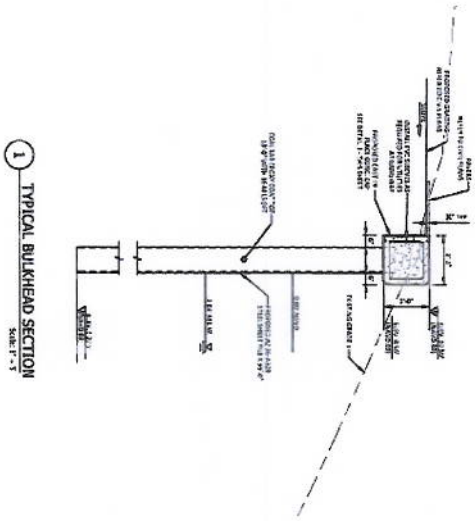
REGISTERED PROFESSIONAL ENGINEER
NO. 27234
WILLIAM J. HUFFMAN



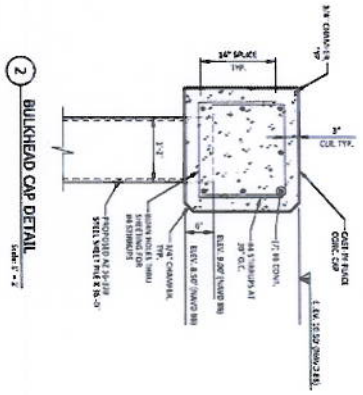
HK ENGINEERING GROUP
106 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1807
FAX: (912) 201-1703

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

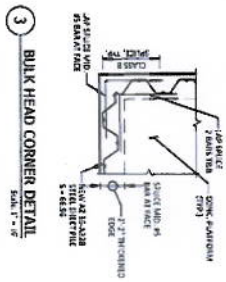
FIGURE:
PROPOSED BULKHEAD
PROJ. NO.: E1000.001
SCALE: 1" =10'
DATE: AUGUST 2012
SHEET 13
Revision Date: December 7, 2012



1 TYPICAL BULKHEAD SECTION



2 BULKHEAD CAP DETAIL



3 BULK HEAD CORNER DETAIL

HK ENGINEERING GROUP 106 COMMERCIAL DRIVE, SUITE B SAVANNAH, GEORGIA 31406 PHONE: (912) 201-1007 FAX: (912) 201-1709	PROJECT TITLE: PLANS FOR COASTAL MARSHLANDS PERMIT APPLICATION FOR COFFEE BLUFF MARINA	FIGURE: PROPOSED BULKHEAD SECTIONS AND DETAILS PROJ. NO.: E1000.001 SCALE: AS SHOWN DATE: AUGUST 2012 SHEET 14

GRAPHIC SCALE IN FEET: 1" = 10'

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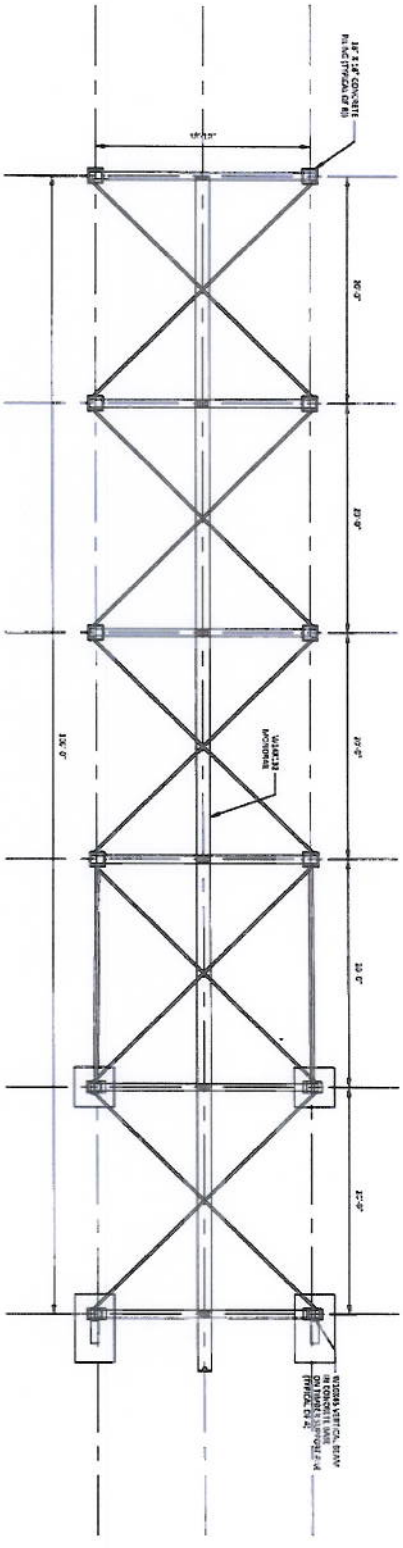
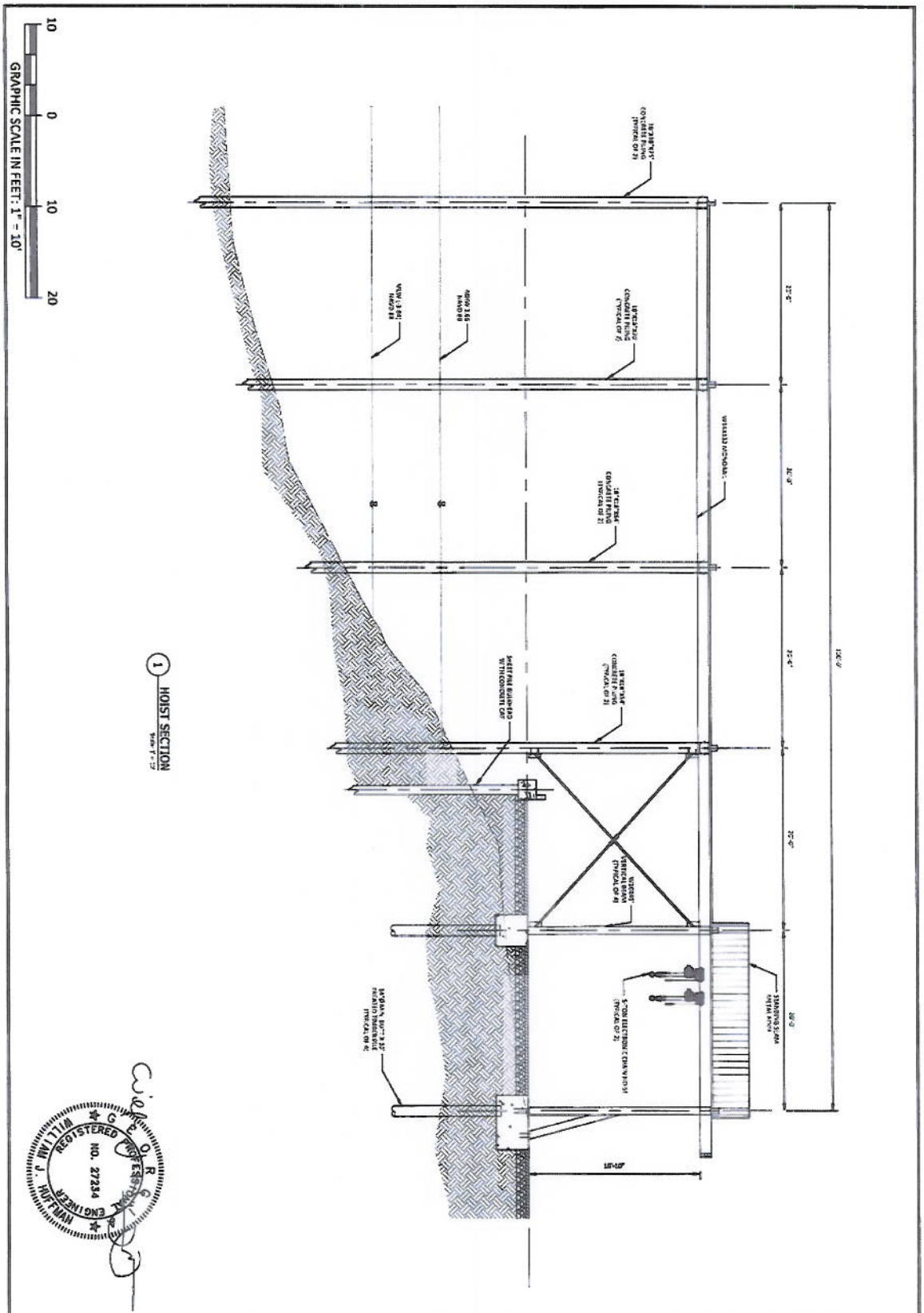


1 HOIST DIMENSIONS AND PILING

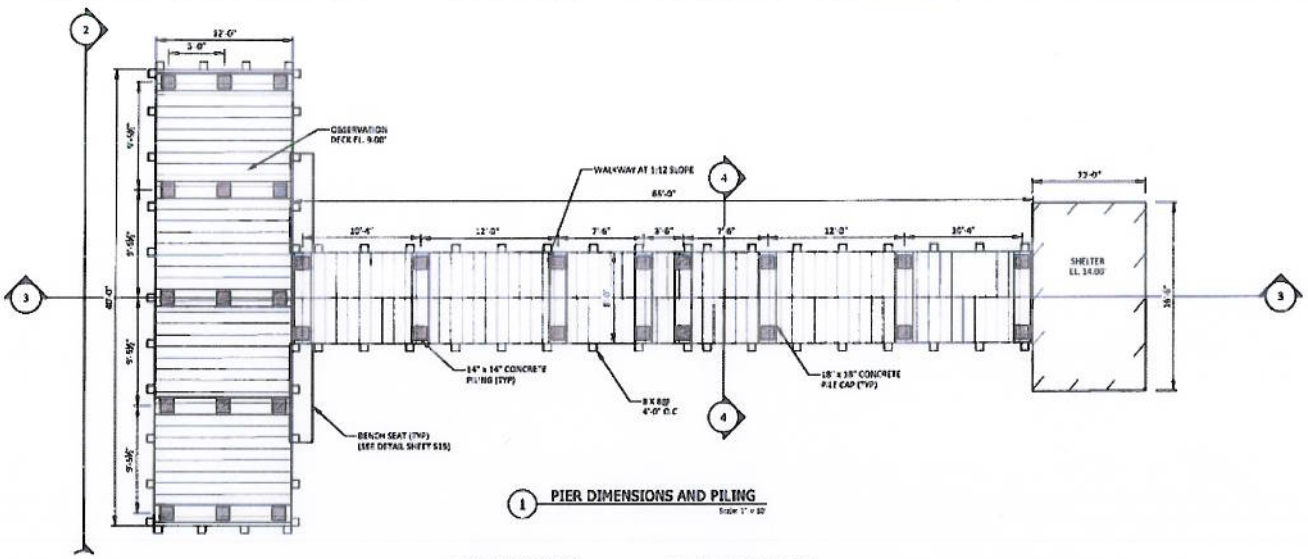
HK ENGINEERING GROUP
306 COMMERCIAL DRIVE, SUITE D
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1807
FAX: (912) 201-1783

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

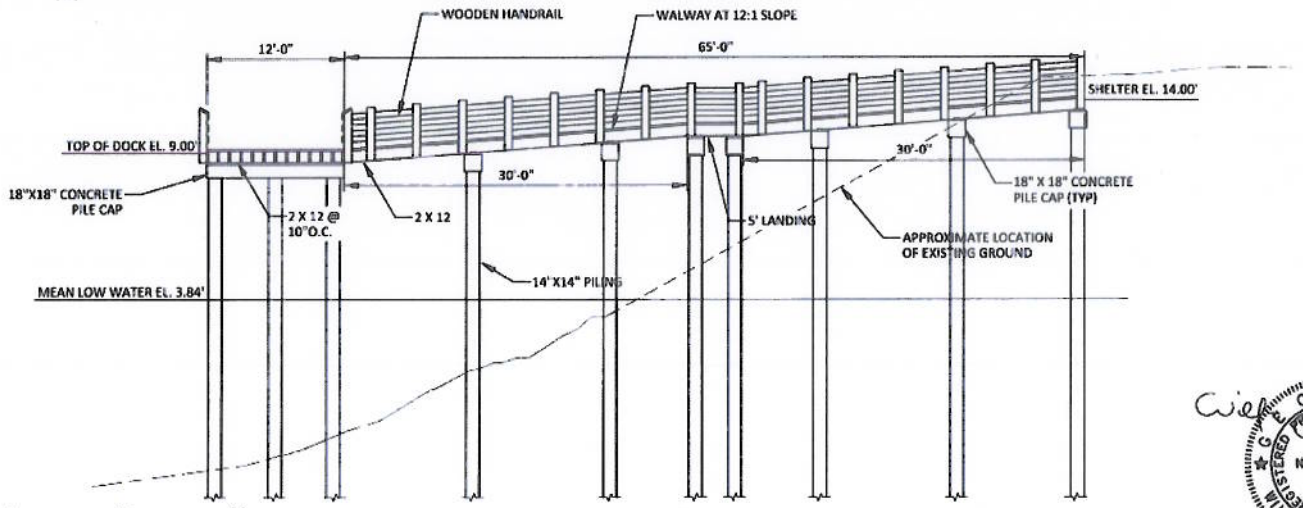
FIGURE:
PROPOSED BOAT HOIST DIMENSIONS AND PILES
PROJ. NO.: E1000.001
SCALE: 1" =10'
DATE: AUGUST 2012
SHEET 15



H+K ENGINEERING GROUP 305 COMMERCIAL DRIVE, SUITE D SAVANNAH, GEORGIA 31406 PHONE: (912) 201-1207 FAX: (912) 201-1705	PROJECT TITLE: PLANS FOR COASTAL MARSHLANDS PERMIT APPLICATION FOR COFFEE BLUFF MARINA	FIGURE: PROPOSED BOAT HOIST SECTION PROJ. NO.: E1000.001 SCALE: 1" =10' DATE: AUGUST 2012 SHEET 16



1 PIER DIMENSIONS AND PILING



2 PIER SECTION

10 0 10 20

GRAPHIC SCALE IN FEET: 1" = 10'

REGISTERED PROFESSIONAL ENGINEER
GEORGIA
NO. 27234
WILLIAM J. HUFFMAN

ENGINEERING GROUP

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

FIGURE
PROPOSED BOAT HOIST DIMENSIONS AND PILES
PROJ. NO.: E1000.001
SCALE: 1" =10'
DATE: AUGUST 2012
SHEET 17

GRAPHIC SCALE IN FEET: 1" = 10'

10 0 10 20

4 PIER SECTION

3 PIER SECTION

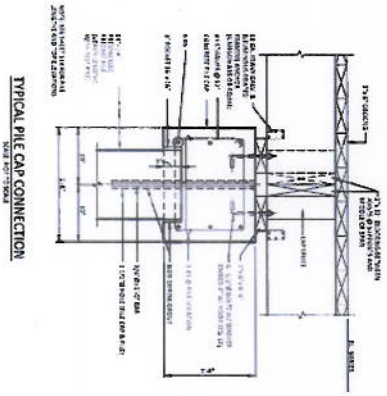
HK ENGINEERING GROUP
706 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1027
FAX: (912) 201-1705

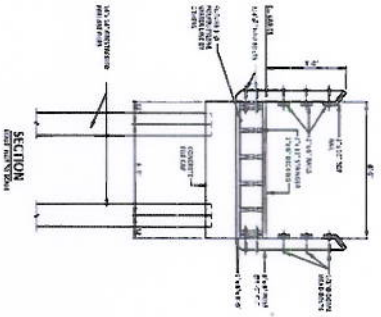
PROJECT TITLE:

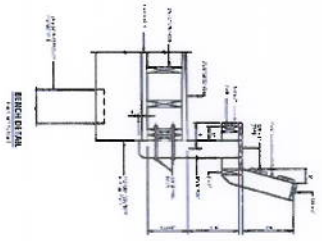
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

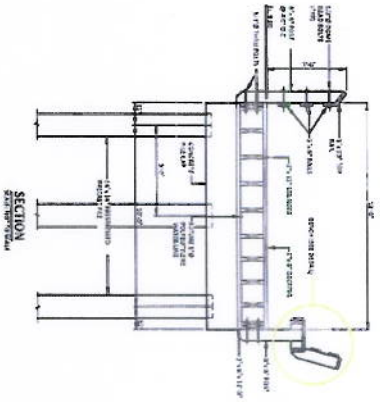
FIGURE:

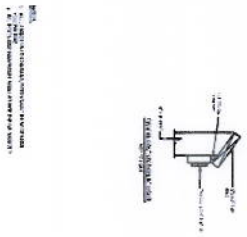
PROPOSED BOAT HOIST DIMENSIONS AND PILES
PROJ. NO.: E1000.001
SCALE: 1" =10'
DATE: AUGUST 2012
SHEET 18

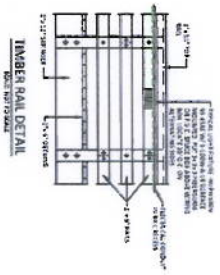








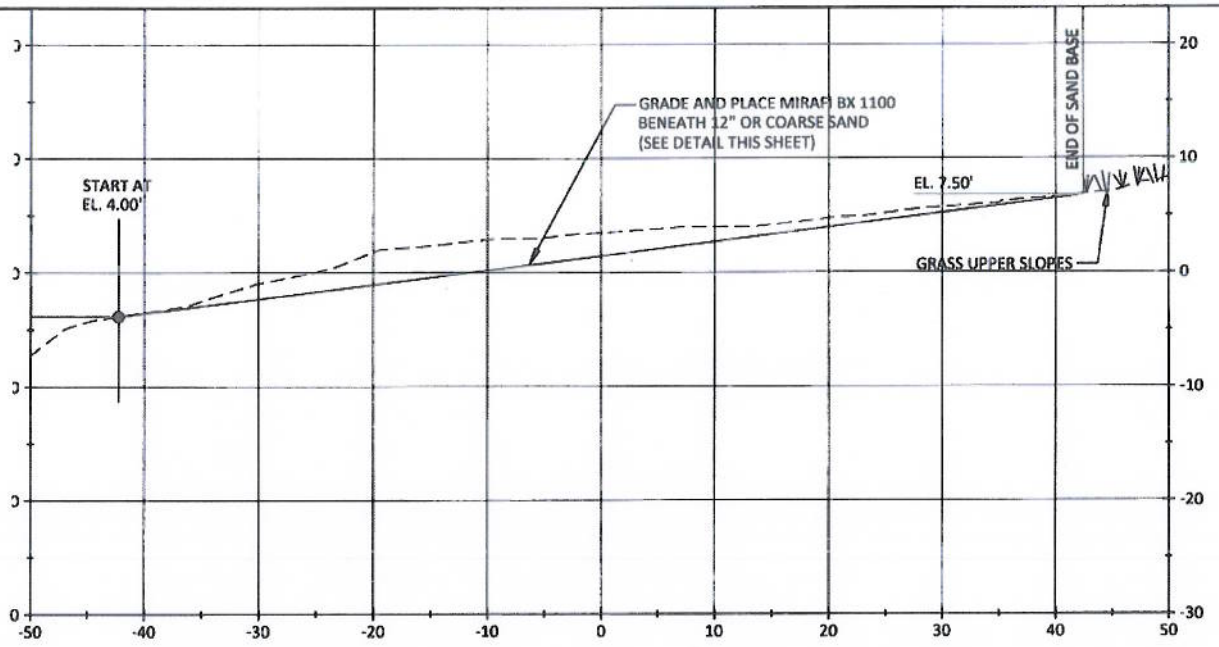




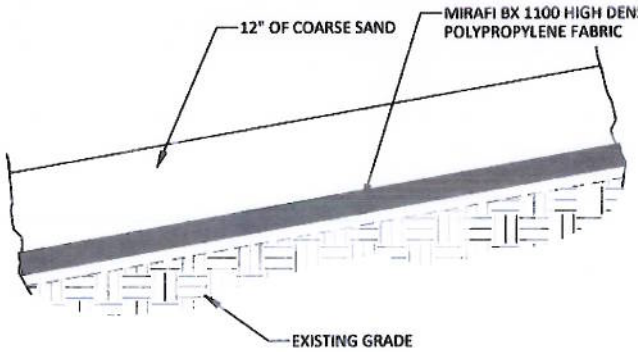
HK ENGINEERING GROUP
106 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-1107
FAX: (912) 201-1703

PROJECT TITLE:
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

FIGURE:
OBSERVATION PIER DETAILS
PROJ. NO.: E1000.001
SCALE: NOT TO SCALE
DATE: OCTOBER 2012
SHEET 19
Revision Date: October 16, 2012



1 **TYPICAL CROSS SECTION**
Scale: 1" = 10'



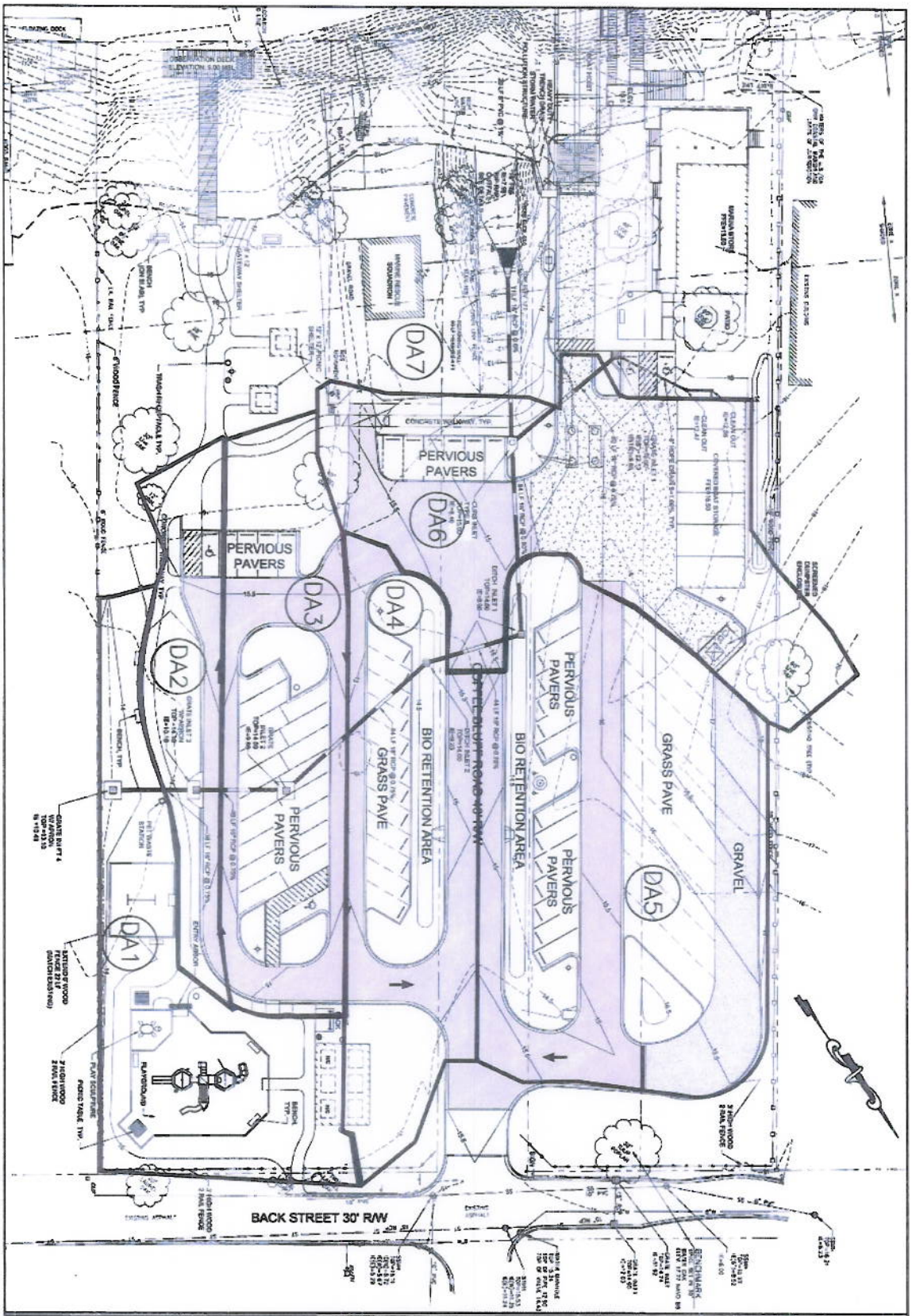
2 **SAND DETAIL**
Scale: NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
NO. 27234
WILLIAM J. HUFFMAN

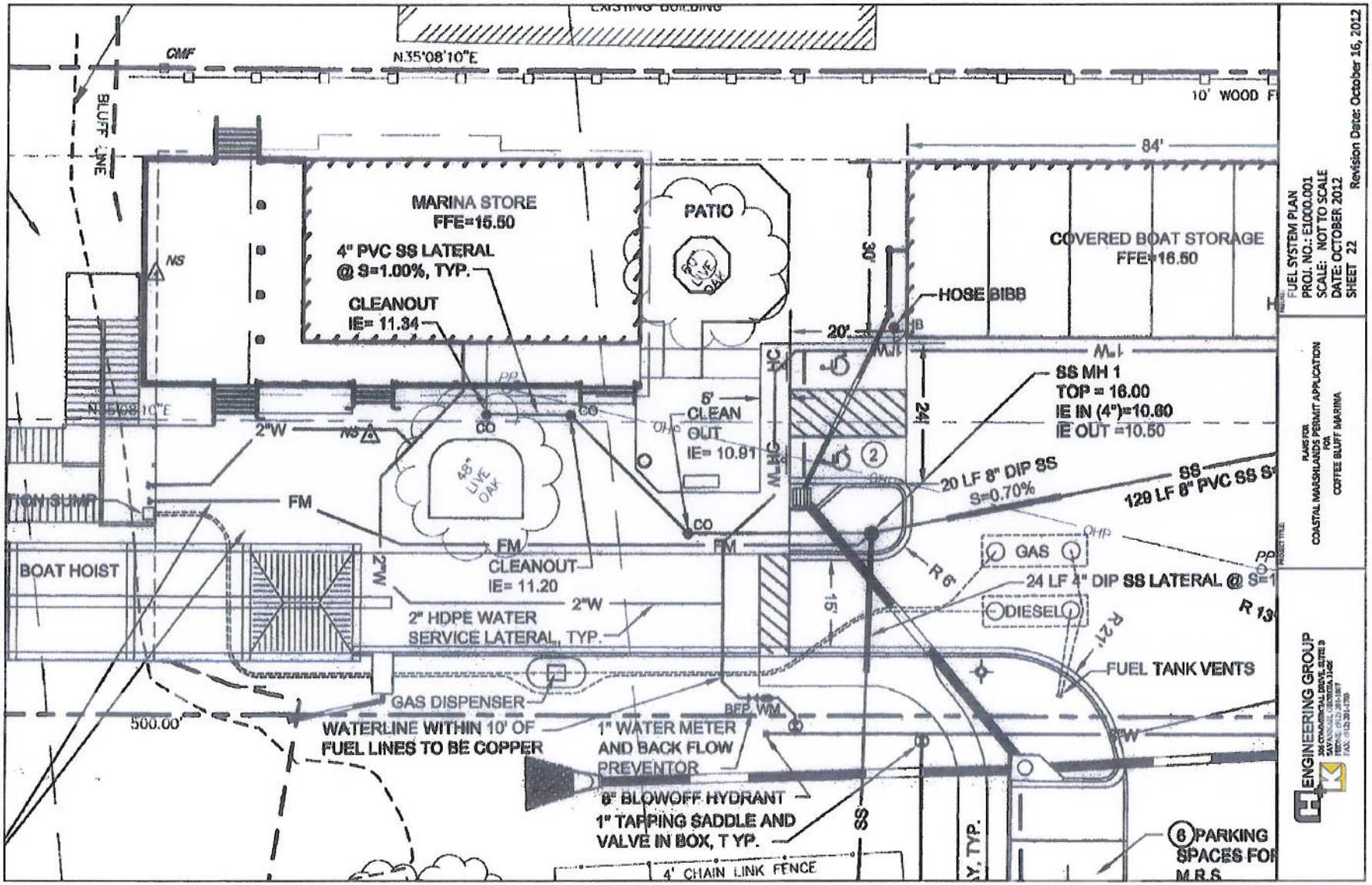
KAYAK LAUNCH DETAILS
PROJ. NO.: E1000.001
SCALE: AS SHOWN
DATE: OCTOBER 2012
SHEET 20
Revision Date: October 16, 2012

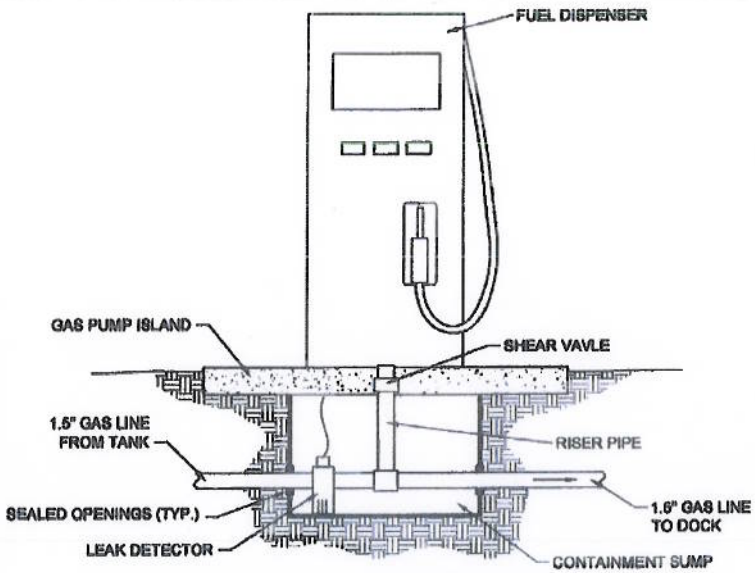
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

ENGINEERING GROUP



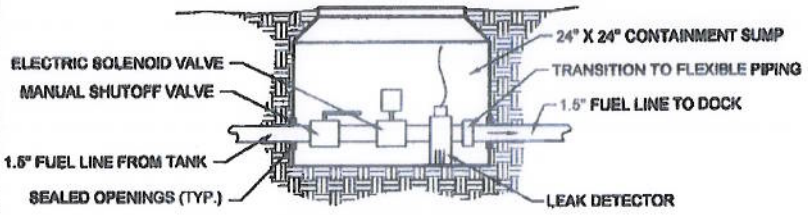
HK ENGINEERING GROUP 106 COMMERCIAL DRIVE, SUITE B SAVANNAH, GEORGIA 31406 PHONE: (912) 201-1807 FAX: (912) 201-1703	PROJECT TITLE: PLANS FOR COASTAL MARSHLANDS PERMIT APPLICATION FOR COFFEE BLUFF MARINA	FIGURE: STORMWATER DRAIN AREAS PROJ. NO.: E1000.001 SCALE: 1"=40' DATE: OCTOBER 2012 SHEET 21 Revision Date: October 16, 2012


CMF
N35°08'10"E
BLUFF LINE
MARINA STORE
FFE=15.50
4" PVC SS LATERAL
@ S=1.00%, TYP.
CLEANOUT
IE= 11.34
PATIO
45" LIVE OAK
COVERED BOAT STORAGE
FFE=16.50
HOSE BIBB
84'
30'
20'
24'
SS MH 1
TOP = 16.00
IE IN (4")=10.60
IE OUT =10.50
5' CLEAN OUT
IE= 10.91
20 LF 8" DIP SS
S=0.70%
129 LF 8" PVC SS
2"W
FM
CLEANOUT
IE= 11.20
BOAT HOIST
2" HDPE WATER
SERVICE LATERAL, TYP.
GAS
DIESEL
24 LF 4" DIP SS LATERAL @ S=1
FUEL TANK VENTS
GAS DISPENSER
WATERLINE WITHIN 10' OF
FUEL LINES TO BE COPPER
1" WATER METER
AND BACK FLOW
PREVENTOR
8" BLOWOFF HYDRANT
1" TAPPING SADDLE AND
VALVE IN BOX, TYP.
4' CHAIN LINK FENCE
6 PARKING
SPACES FOR
M.R.S.
500.00'
10' WOOD F
FUEL SYSTEM PLAN
PROJ. NO.: E1000.001
SCALE: NOT TO SCALE
DATE: OCTOBER 2012
SHEET 22
Revision Date: October 16, 2012
PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA
ENGINEERING GROUP



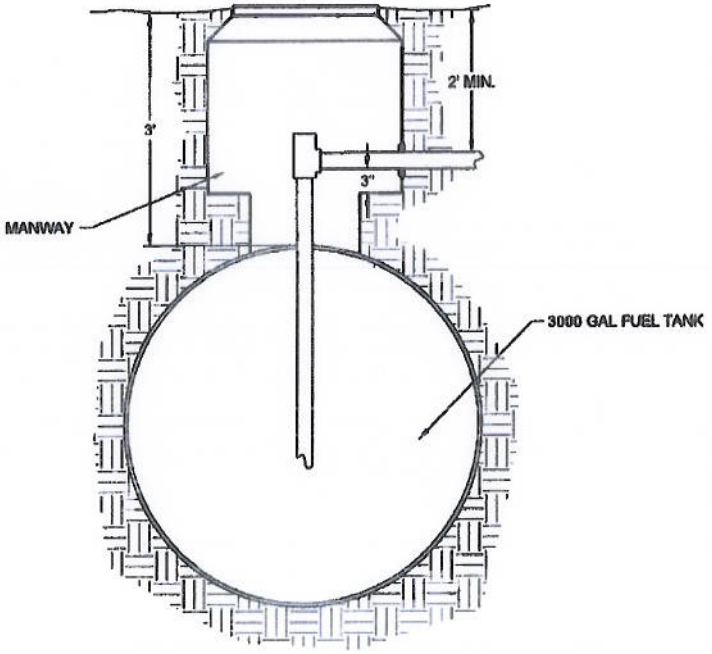
GAS PUMP CONNECTION DETAIL

NOT TO SCALE



TRANSITION SUMP DETAIL

NOT TO SCALE



FUEL TANK CONNECTION DETAIL

NOT TO SCALE

FUEL SYSTEM DETAILS
PROJ. NO.: E1000.001
SCALE: AS SHOWN
DATE: OCTOBER 2012
SHEET 23
Revision Date: October 16, 2012

PLANS FOR
COASTAL MARSHLANDS PERMIT APPLICATION
FOR
COFFEE BLUFF MARINA

ENGINEERING GROUP
384 COMMERCIAL DRIVE, SUITE B
SAVANNAH, GEORGIA 31406
PHONE: (912) 201-2007
FAX: (912) 201-2760