

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
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* 3. Date Received: <input type="text" value="09/12/2014"/>	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
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8. APPLICANT INFORMATION:

* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="57-6000286"/>	* c. Organizational DUNS: <input type="text" value="073701591"/>
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d. Address:

* Street1:	<input type="text" value="217 Fort Johnson Road"/>
Street2:	<input type="text" value="PO Box 12559"/>
* City:	<input type="text" value="Charleston"/>
County:	<input type="text" value="Charleston"/>
* State:	<input type="text" value="SC: South Carolina"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="29422-2559"/>

e. Organizational Unit:

Department Name: <input type="text" value="SC Dept. of Natural Resources"/>	Division Name: <input type="text" value="Marine Resources Division"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Mr."/>	* First Name: <input type="text" value="Scott"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Meister"/>	
Suffix: <input type="text"/>	

Title:

Organizational Affiliation:

* Telephone Number: <input type="text" value="843-953-9062"/>	Fax Number: <input type="text" value="843-953-9353"/>
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* Email:

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9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Fish and Wildlife Service

11. Catalog of Federal Domestic Assistance Number:

15.622

CFDA Title:

Sportfishing and Boating Safety Act

*** 12. Funding Opportunity Number:**

F14AS00241

* Title:

Boating Infrastructure Grants Tier 2

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

City: Daniel Island
County: Charleston
State: South Carolina

*** 15. Descriptive Title of Applicant's Project:**

SC BIG 2015 Tier 2 - River Landing Marina at Daniel Island, South Carolina

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,496,250.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="23,750.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="2,169,759.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="3,689,759.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

- Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

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*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 06/30/2014

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. BIG 2015 Tier 2	15.622	\$ <input type="text"/>	\$ <input type="text"/>	\$ 1,496,250.00	\$ 2,193,509.00	\$ 3,689,759.00
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Totals		\$ <input type="text"/>	\$ <input type="text"/>	\$ 1,496,250.00	\$ 2,193,509.00	\$ 3,689,759.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	BIG 2015 Tier 2	N/A			
a. Personnel	\$ 44,713.00	\$ 14,905.00	\$	\$	\$ 59,618.00
b. Fringe Benefits	16,991.00	5,663.00			22,654.00
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual	1,425,000.00	2,169,759.00			3,594,759.00
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	1,486,704.00	2,190,327.00			\$ 3,677,031.00
j. Indirect Charges	9,546.00	3,182.00			\$ 12,728.00
k. TOTALS (sum of 6i and 6j)	\$ 1,496,250.00	\$ 2,193,509.00	\$	\$	\$ 3,689,759.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	BIG 2015 Tier 2	\$ <input type="text"/>	\$ 23,750.00	\$ 2,169,759.00	\$ 2,193,509.00
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input type="text"/>	\$ 23,750.00	\$ 2,169,759.00	\$ 2,193,509.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text"/>				
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input type="text"/>				

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
17. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20. TOTAL (sum of lines 16 - 19)	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: <input type="text"/>	22. Indirect Charges: <input type="text"/>
23. Remarks: <input type="text"/>	

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Eileen Heyward</p>	<p>TITLE</p> <p>Director, SC Department of Natural Resources</p>
<p>APPLICANT ORGANIZATION</p> <p>South Carolina Department of Natural Resources</p>	<p>DATE SUBMITTED</p> <p>09/12/2014</p>

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PROJECT STATEMENT

Introduction

Daniel Island is an award-winning island town located within historic Charleston, South Carolina. While technically a part of the City of Charleston, Daniel Island is physically separate and unique. Bordered by the Wando River on the east and the Cooper River on the west, Daniel Island is a 4,000 acre island oasis that has been nationally recognized for smart growth and development by entities including the Urban Land Institute, Travel & Leisure Magazine, and the National Association of Home Builders.

Originally home to the Etiwan Indian tribe and formerly owned by English colonialists in the 17th century and later the Guggenheim Family in the 20th century, the land was sold to The Daniel Island Company in 1997. Since that time The Daniel Island Company has initiated development on a master planned community development model that includes traditional neighborhoods, community parks, schools, churches, retail businesses, a library, corporate offices, a private country club, and two professional sports facilities.

As of 2013 approximately 1,765 single family homes had been constructed on Daniel Island with 239 townhomes, 916 condominium units, and 586 apartment units. Approximately 9,000 residents currently call Daniel Island home. This number will grow to 15,000 under the current development program.

Project Background and Need

While the recreational amenities and attractions on Daniel Island abound, including wonderful parks, stadiums, bicycle and walking paths, nature preserves, special events, etc., there is very limited connectivity with the water. No marina facilities currently exist within the Daniel Island community development. This is a critical element of the development for residents and visitors alike.

While a recreational marina is part of the overall master plan for Daniel Island and has been permitted through the United States Army Corps of Engineers and the State of South Carolina, the recent recession and economic challenges have prevented such development to date. NEMO, LLC, in conjunction with The Daniel Island Company and Scout Boats, feel strongly that the Boating Infrastructure Grant program will enable the development of marina facilities to serve the island. This will not only afford local/regional residents access to the water, but it will provide visiting transient boaters a doorway to Daniel Island.

Unlike many marina facilities that are merely waypoints for passing transient boaters, a marina at Daniel Island will become a *destination*.

In conjunction with the proposed marina development, the applicant intends to undertake an aggressive upland development program adjacent to the marina site that will create a synergy

between water-side and land-side components. The upland development will enhance the appeal of the marina and the marina will enhance the appeal of the upland.

Project Objectives

The proposed marina development is intended to accomplish a number of objectives:

- Provide recreational marina access to Daniel Island
- Create a new, vibrant transient boating destination that offers full-service marina amenities and affords visiting boaters access to all that Daniel Island has to offer
- Provide approximately 1,263 linear feet of flexible use side tie dockage to enable access to Daniel Island for a wide variety of visiting transient boaters, from the 30-ft. sailboats to 200-ft. megayachts
- Provide state-of-the-art marina utilities, including shore power, potable water, marine fuel, pumpout, and fire protection for visiting transient and long-term boaters
- Provide marina wet slip berthing opportunities for local/regional boaters

Project Results and Benefits

The proposed project will yield extraordinary benefits to transient boaters in the project region. These include:

1. Establishment of a new and exciting transient boating destination that enables access to Daniel Island and all her amenities, attractions, and events
2. Operation of a new, full-service marina facility that serves the many boaters who traverse the upper Wando River
3. Provide protected, state-of-the-art marina dockage and utilities that will benefit transient boaters as they travel through the project region
4. Establish a complementary boating destination in the Charleston area to other area marinas and enable access to other important areas and experiences of the Lowcountry of South Carolina
5. Enhance the overall boating experience in the project region by creating a new and highly attractive marina destination that will appeal to local, regional, and transient boaters

Project Approach & Activity Description

Project Approach and Anticipated Schedule

Development on Daniel Island has been ongoing for a number of years and includes residential, commercial, corporate offices, retail, restaurants, and municipal works. Regulatory permits for the proposed marina were obtained in 2007 (state) and 2009 (federal), but due to the economic impacts of the global recession, marina development was tabled.

With improving macroeconomic conditions and a surge in regional boating activity, development interests in the proposed marina have been rekindled. A step-wise, phased approach is being considered to realize this marina development as highlighted in this application. Specific development tasks included in this application for BIG funding include:

- Final engineering analysis and wave study (July 2014-December 2014)
 - Necessary to confirm and specify orientation and sizing of floating docks, attenuators, and anchorage
- Regulatory Permit Modification (September 2014-September 2015)
 - Necessary to modify slip mix and phasing plan to meet post-recession slip demand trends
- Anticipated notification of BIG Funding (~April 2015)
 - Funding critical to implementation of the project
- Engineering Design and Specification (April 2015-September 2015)
- Project Bidding to Local/Regional Marine Contractors (September 2015-November 2015)
- Construction of marine improvements (November 2015-April 2016)
- Begin operations in time for 2016 Family Circle Tennis Tournament in April 2016

Activity Description

As mentioned above, the proposed marina development has been permitted through the US Army Corps of Engineers and the State of South Carolina. Permit documents are attached hereto for reference.

The proposed floating wave attenuators will be heavy duty concrete pontoons that are specifically designed for this project site. Flotation will be fully-encased. Interior floating docks will likely consist of timber or aluminum frame floating docks with fully-encased polytub flotation. Timber decking will be provided on the interior floating docks and may include hardwood decking to eliminate the need for preservative treatment.

Premium quality power pedestals with integrated potable water, communications connections, and LED dock lighting will be utilized. Marine fuel systems will provide both gas and diesel dispensers for a variety of users. A marine pumpout will also be provided (pumpout not included in this application).

Estimated Costs

The estimated BIG-eligible costs for the proposed project are **\$3.59M**. The requested federal cost share is **\$1.425M** or 40% of the BIG-eligible total. Please refer to the Budget Justification section for additional information.

Project Location

The proposed project is located along the eastern shore of Daniel Island on the Wando River. Specifically, the site is at the end of River Landing Drive at 32°51'15" N, 79°54'08" W. Please refer to the attached location map, Figure 1 for details.

Contacts

Contact information for the key project team members is provided below:

Applied Technology & Management (Consultant, BIG Application)

P.O. Box 20336
Charleston, South Carolina 29413-0336
(843) 414-1040
kmarshall@appliedtm.com

Partner 1 – NEMO, LLC

Attn.: Mr. Mason Holland, Jr.
125 Fairchild Street, Suite 100
Charleston, SC 29492
(843) 284-1175

Partner 2 – The Daniel Island Company

Attn.: Mr. Matt Sloan
230 Seven Farms Drive
Daniel Island, SC 29492
(843) 971-3500
matt.sloan@danielisland.com

Partner 3 – Scout Boats, Inc.

Attn.: Mr. Steve Potts
2531 Highway 78 West
Summerville, SC 29483
(843) 821-0068

Project Cost Estimate and Funding Summary

NEMO, LLC

Proposed Wetslip Marina Facility - Daniel Island, SC

8/27/2014

Phase 1

Preliminaries							
Marina Components	Quantity	Units	Cost/Unit	Item Cost	% for Transient Use	Total Eligible for BIG Funding	Pro-Rating Assumptions
Contractor Mobilization	1	LS	\$75,000	\$75,000	24%	\$18,000	% of BIG-eligible construction costs
Preliminaries Sub-Total				\$75,000		\$18,000	
Access Pier							
Marina Components	Quantity	Units	Cost/Unit	Item Cost	% for Transient Use	Total Eligible for BIG Funding	Pro-Rating Assumptions
Timber Access Pier	3,300	sf	\$70	\$231,000	13%	\$30,030	% Transient Slips to Overall Slip Total
8'x80' Aluminum ADA Gangway	1	ea	\$50,000	\$50,000	13%	\$6,500	% Transient Slips to Overall Slip Total
Fixed Timber Office/Restroom Platform	3,364	sf	\$70	\$235,480	13%	\$30,612	% Transient Slips to Overall Slip Total
Marina Office/Restrooms	1,225	sf	\$250	\$306,250	13%	\$39,813	% Transient Slips to Overall Slip Total
Fire Standpipe System	275	lf	\$75	\$20,625	13%	\$2,681	% Transient Slips to Overall Slip Total
Access Pier Sub-Total				\$843,355		\$109,636	
Floating Docks and Appurtenances							
Marina Components	Quantity	Units	Cost/Unit	Item Cost	% for Transient Use	Total Eligible for BIG Funding	Pro-Rating Assumptions
Northern Attenuator	13,560	sf	\$200	\$2,712,000	33%	\$894,960	1/3 for dedicated slips, 1/3 for marina attenuation, 1/3 for access to Eastern Floating Dock and Assoc. Protection for Transient Slips
Northern Attenuator Finger Piers	2,380	sf	\$125	\$297,500	0%	\$0	Long Term Berthing Use
Marina Utilities (30A/50A Power, Water, Communications)	34	slip	\$7,500	\$255,000	0%	\$0	Long Term Berthing Use
Fire Cabinets	5	ea	\$1,000	\$5,000	0%	\$0	Long Term Berthing Use
Fire Standpipe System	682	lf	\$75	\$51,150	0%	\$0	Long Term Berthing Use
Northern Attenuator Sub-Total				\$3,320,650		\$894,960	
Eastern Floating Dock	8,637	sf	\$140	\$1,209,180	100%	\$1,209,180	Dedicated for Transient Dockage
Marina Utilities (30A/50A Power, Water, Communications) Outside	14	slip	\$7,500	\$105,000	100%	\$105,000	Dedicated for Transient Dockage
Megayacht Utilities (100A 3ph power, Water, Communications) Outside	2	slip	\$40,000	\$80,000	100%	\$80,000	Dedicated for Transient Dockage
Marina Utilities (30A/50A Power, Water, Communications) INSIDE	15	slip	\$7,500	\$112,500	100%	\$112,500	Dedicated for Transient Dockage
Fire Cabinets	5	ea	\$1,000	\$5,000	100%	\$5,000	Dedicated for Transient Dockage
Fire Standpipe System	675	lf	\$75	\$50,625	100%	\$50,625	Dedicated for Transient Dockage
Eastern Floating Dock Sub-Total				\$1,562,305		\$1,562,305	
Southern Attenuator	12,124	sf	\$200	\$2,424,800	5%	\$121,240	Provide tranquil conditions for interior transient boat slips AND the remainder of the marina, also provide long term dockage space
Southern Attenuator Finger Piers	1,480	sf	\$125	\$185,000	0%	\$0	Long Term Berthing Use
Marina Utilities (30A/50A Power, Water, Communications)	21	slip	\$7,500	\$157,500	0%	\$0	Long Term Berthing Use
Fire Cabinets	3	ea	\$1,000	\$3,000	0%	\$0	Long Term Berthing Use
Fire Standpipe System	238	lf	\$75	\$17,850	0%	\$0	Long Term Berthing Use
Southern Attenuator Sub-Total				\$2,788,150		\$121,240	
Main Access Dock	8,241	sf	\$125	\$1,030,125	12%	\$123,615	2,275 sf lies north of gangway access; prorate this amount based on % of transient vs. long-term slips serviced by this dock (29 of 63 slips)
Marina Utilities (30A/50A Power, Water, Communications)	15	slip	\$5,000	\$75,000	0%	\$0	Long Term Berthing Use
Fire Cabinets	5	ea	\$1,000	\$5,000	0%	\$0	Long Term Berthing Use
Fire Standpipe System	689	lf	\$75	\$51,675	0%	\$0	Long Term Berthing Use
Main Access Dock Sub-Total				\$1,161,800		\$123,615	
Fuel Dock	6,360	sf	\$75	\$477,000	25%	\$119,250	Based on Projected Usage
Main Walkway and T-Head	5,250	sf	\$75	\$393,750	0%	\$0	Long Term Berthing Use
Finger Piers	36	slip	\$7,500	\$270,000	0%	\$0	Long Term Berthing Use
Marina Utilities (30A/50A Power, Water, Communications)	4	ea	\$1,000	\$4,000	6%	\$240	Assume 1 Fire Pedestal on T Head
Fire Cabinets	330	lf	\$75	\$24,750	0%	\$0	Long Term Berthing Use
Fire Standpipe System							
Fuel Dock Sub-Total				\$1,169,500		\$119,490	
Small Vessel Dock	5,357	sf	\$75	\$401,775	0%	\$0	Long Term Berthing Use
Main Walkway and T-Head	1,440	sf	\$75	\$108,000	0%	\$0	Long Term Berthing Use
Finger Piers	37	ea	\$12,000	\$444,000	0%	\$0	Long Term Berthing Use
Jet Docks	61	slip	\$5,000	\$305,000	0%	\$0	Long Term Berthing Use
Marina Utilities (30A/50A Power, Water, Communications)	3	ea	\$1,000	\$3,000	0%	\$0	Long Term Berthing Use
Fire Cabinets	217	lf	\$75	\$16,275	0%	\$0	Long Term Berthing Use
Fire Standpipe System							
Small Vessel Dock Sub-Total				\$1,278,050		\$0	

Project Cost Estimate and Funding Summary - Continued

NEMO, LLC

Proposed Wetslip Marina Facility - Daniel Island, SC

Phase 1 - Continued

Miscellaneous							Pro-Rating Assumptions
Marina Components	Quantity	Units	Cost/Unit	Item Cost	% for Transient Use	Total Eligible for BIG Funding	
Marine Sewage Pumpout	N/A	N/A	N/A	N/A	N/A	N/A	Will be subject of separate CVA grant application with SCDNR and USFWS
Marine Fueling System	1	ls	\$350,000	\$350,000	25%	\$87,500	Based on Projected Usage
Navigational Aids/signage/misc. lighting	1	ls	\$20,000	\$20,000	13%	\$2,600	% Transient Slips to Overall Slip Total
Miscellaneous Sub-Total				\$370,000		\$90,100	

Soft Costs							Pro-Rating Assumptions
Marina Components	Quantity	Units	Cost/Unit	Item Cost	% for Transient Use	Total Eligible for BIG Funding	
Initial Planning, Permitting, Environmental Studies	1	LS	\$2,000,000	\$2,000,000	24%	\$480,000	
Permitting, Engineering, Construction Phase Services (Assume 2.5% of total value)	1	%	2.5%	\$314,220	24%	\$75,413	% of BIG-eligible construction costs
Soft Costs Sub-Total				\$2,314,220		\$555,413	

Project Total	\$14,883,030
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Total Eligible for BIG FUNDING	\$3,594,759
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Proposed Federal Cost Share for Marina Improvements	\$1,425,000
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Proposed Local Match	\$2,169,759
-----------------------------	--------------------

Total Construction Costs (sans preliminaries and soft costs)	\$12,493,810
Total BIG-Eligible Construction Costs (sans preliminaries and soft costs)	\$3,021,346
Percentage of BIG-Eligible Construction Costs	24.2%

Local BIG Match Components	Nemo, LLC	\$1,589,759
	Daniel Island Company	\$480,000
	Scout Boats, Inc.	\$100,000

**Boating Infrastructure Grant Program Tier 2
River Landing Marina at Daniel Island
Daniel Island, South Carolina**

Administrative Budget /Narrative

September 2014

Total Administrative Cost: \$ 95,000

Total Federal Cost: \$ 71,250

Non-Federal Cost: \$ 23,750

	<u>Federal</u>	<u>Non-Federal</u>
<u>Personnel</u>		
● BIG PI (Scott Meister)	\$ 44,713	
● SCDNR Engineering		\$ 14,905
● Fringe (38%)	\$16,991	\$ 5,663
● Indirect (21.35%)	\$ 9,546	\$ 3,182
	<u>Federal</u>	<u>Non-Federal</u>
TOTAL	\$ 71,250	\$ 23,750

Personnel support (BIG Principal Investigator) is needed to coordinate all aspects of the grant project including solicitation and selection of proposals, oversight of awarded projects, and long term monitoring for project compliance.

BIG Principal Investigator base salary is \$ 73,300 (includes 38% Fringe and 21.35% Indirect).

It is anticipated that 15.0% of the PI's time per year (over 4 years) will be spent on this project.

The SCDNR Engineering Section will be utilized to provide consultation on project construction objectives.

BUDGET JUSTIFICATION

The proposed project is substantial and includes numerous cost items. Several parts of marina infrastructure benefit both transient and long term boaters. With this in mind we have attached a detailed pro-rating schedule and cost estimate. Below is a summary of key elements:

- Contractor mobilization – Prorated at 24%. Based on percentage of BIG-eligible costs of physical marina infrastructure.
- Access Pier Elements – Will serve the entire marina. Pro-rated at 13%. This is based on the number of transient slips as a percentage of the total slips in the proposed development.
 - 29 dedicated transient slips
 - 152 interior dedicated long term slips
 - 100 LF of side tie berthing in the basin T-Head (2 slips)
 - 496 LF of side tie berthing on the shore-side of the main floating access dock for smaller vessels (25 slips)
- Floating attenuator on north side of marina was pro-rated at 33%.
 - This structure will provide multiple benefits
 - Wave attenuation for the marina (eligible transient slips and long term slips)
 - It will provide access to integrated long-term slips
 - It will provide access to all of the proposed transient slips
 - The long term slips and infrastructure on this attenuator are not eligible.
- All of the proposed transient slips will be located on the easternmost floating dock. As such 100% of costs for this structure are eligible.
- 5% of the wave attenuator on the south side of the marina is included as eligible as this will provide tranquil berthing for the 15 transient slips located on the inside of the marina basin on the eastern floating dock ($15/208 = 7.2\%$ [pro-rating is conservative]), but this structure will also provide protection for the rest of the marina and access to integrated long term slips.
 - The long term slips and infrastructure on this attenuator are not eligible.
- The main access dock along (parallel to) shore was pro-rated at 12%. Approximately 2,275 square feet of this structure is located north of the shore/gangway access. Pro-rating based on number of slips serviced by this portion of shore-parallel dock (29 transient slips vs. 63 total).
 - $2,275 \text{ square feet} \times \$125/\text{square foot} = \$284,375 \times 46\% \text{ transient} = \sim \$130,000.$
\$123,000 claimed as eligible.

- Elements on the shore-parallel access dock that are south of the shore access are not eligible.
- 25% of the cost of the T-head on the fuel dock was included as eligible based on anticipated usage. Other elements of this dock were not eligible as they will serve long-term slip holders.
 - 6% of the fire cabinet cost on this dock will occur on the T-head and provide some benefit to transient vessels. This small amount was included as eligible.
- The small vessel dock in the marina basin (with Jet Docks shown) will cater to long-term slip takers and is not eligible.
- Miscellaneous costs include:
 - Marine Fueling System – Pro-rated based on percentage of anticipated use
 - Navigational Aids – Pro-rated based on percentage of transient slips
 - Note: Pumpout costs will be subject of separate CVA grant application
- Soft costs pro-rated based on value of BIG-eligible improvements vs. overall project infrastructure costs.
 - These soft costs include detailed planning studies, state and federal regulatory permitting, preliminary engineering (including wind and wave analyses, geotechnical, preliminary structural design, etc.)

Overall project costs are estimated at \$14.8M. BIG-eligible costs are estimated at \$3.59M. Requested federal cost share is \$1,425,000 or 40% of BIG-eligible total.

Program Revenue

It is not anticipated that the proposed project will generate any program revenue.

LETTERS OF COMMITMENT



NEMO, LLC

June 24, 2014

Mr. Scott Meister
South Carolina Department of Natural Resources
217 Fort Johnson Road
PO Box 12559
Charleston, SC 29412-2559

Re: Proposed Marina – River Landing Marina at Daniel Island, South Carolina, Boating Infrastructure Grant

Dear Mr. Meister,

On behalf of NEMO, LLC, it is my pleasure to express our support for the proposed marina development project highlighted in this Boating Infrastructure Grant application. As you see, a substantial portion of the proposed project will directly benefit transient boaters in this region. These boaters represent a critical part of our marina business, as well as vital patrons to the accompanying resort hotel.

By way of this letter I would like to express our commitment to provide \$1,589,759 in matching funds for the BIG grant request as well as the funding for the overall marina Project.

As boaters and residents of Daniel Island, SC we recognize the need for this marina facility. The River Landing Marina at Daniel Island will serve the needs of boaters traveling to Daniel Island as a resort destination as well as those traveling through the region on their way to New England, Florida, or the Caribbean.

Should you have any questions or require any additional information please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mason R. Holland, Jr.', written in a cursive style.

Mason R. Holland, Jr.

President

NEMO, LLC



The Daniel Island C O M P A N Y

June 6, 2014

Mr. Scott Meister
South Carolina Department of Natural Resources
217 Fort Johnson Road
PO Box 12559
Charleston, SC 29412-2559

Re: Daniel Island Marina

Dear Mr. Meister:

On behalf of the Daniel Island Company I am pleased to express my support for the Daniel Island Marina project. This project will provide a much needed boon to the local community and will create a new and important link for transient boaters to access all that Daniel Island has to offer. We believe that assistance from the BIG program is critical to help us realize the project.

By way of this letter I would like to confirm that the Daniel Island Company has expended a substantial amount of time, money, and effort to obtain the current regulatory permits for the project and conduct other vital pre-development activities such as wind/wave analyses, marine geotechnical investigations, hydrographic surveying, and preliminary engineering. Funds directly expended on these activities total upwards of \$2,000,000.

We feel that this project meets the stated goals of the Boating Infrastructure Grant program exceptionally well and represents a unique opportunity to expand transient boating opportunities in the South Atlantic region.

Thank you for considering the project for funding under the BIG program.

Sincerely,





June 27, 2014

Mr. Scott Meister
South Carolina Department of Natural Resources
217 Fort Johnson Road
PO Box 12559
Charleston, SC 29412-2559

Re: Proposed Marina – Daniel Island, South Carolina, Boating Infrastructure Grant

Dear Mr. Meister,

On behalf of STTOP LLC it is my pleasure to express our support for the proposed marina development project highlighted in this Boating Infrastructure Grant application. As you see, a substantial portion of the proposed project will directly benefit transient boaters in this region. These boaters represent a critical part of our business.

By way of this letter I would like to express our commitment to provide the matching funds for the grant request in the amount of \$100,000.

As the founder and manufacture of Scout Boats in South Carolina, I have first hand experience in the need to expand boating infrastructure and marinas in the Charleston area. The addition of a marina in the Daniel Island area would make a meaningful positive impact for the community.

Should you have any questions or require any additional information please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Steve Potts".

Steve Potts

Managing Member

DRAWINGS/MAPS/PHOTOGRAPHS

- Figure 1 – Project Location Map & Existing Conditions
- Figure 2 – Proposed Marina Layout
- Figure 3 – Attraction Location Map (Overview)
- Figure 4 – Attraction Location Map (Detail/Zoom)
- Figure 5 – Daniel Island Area Photographs & Images



**FIGURE 1 – PROJECT LOCATION MAP & EXISTING
CONDITIONS**



FIGURE 1 – PROJECT LOCATION MAP & Existing Conditions (via GoogleEarth™)

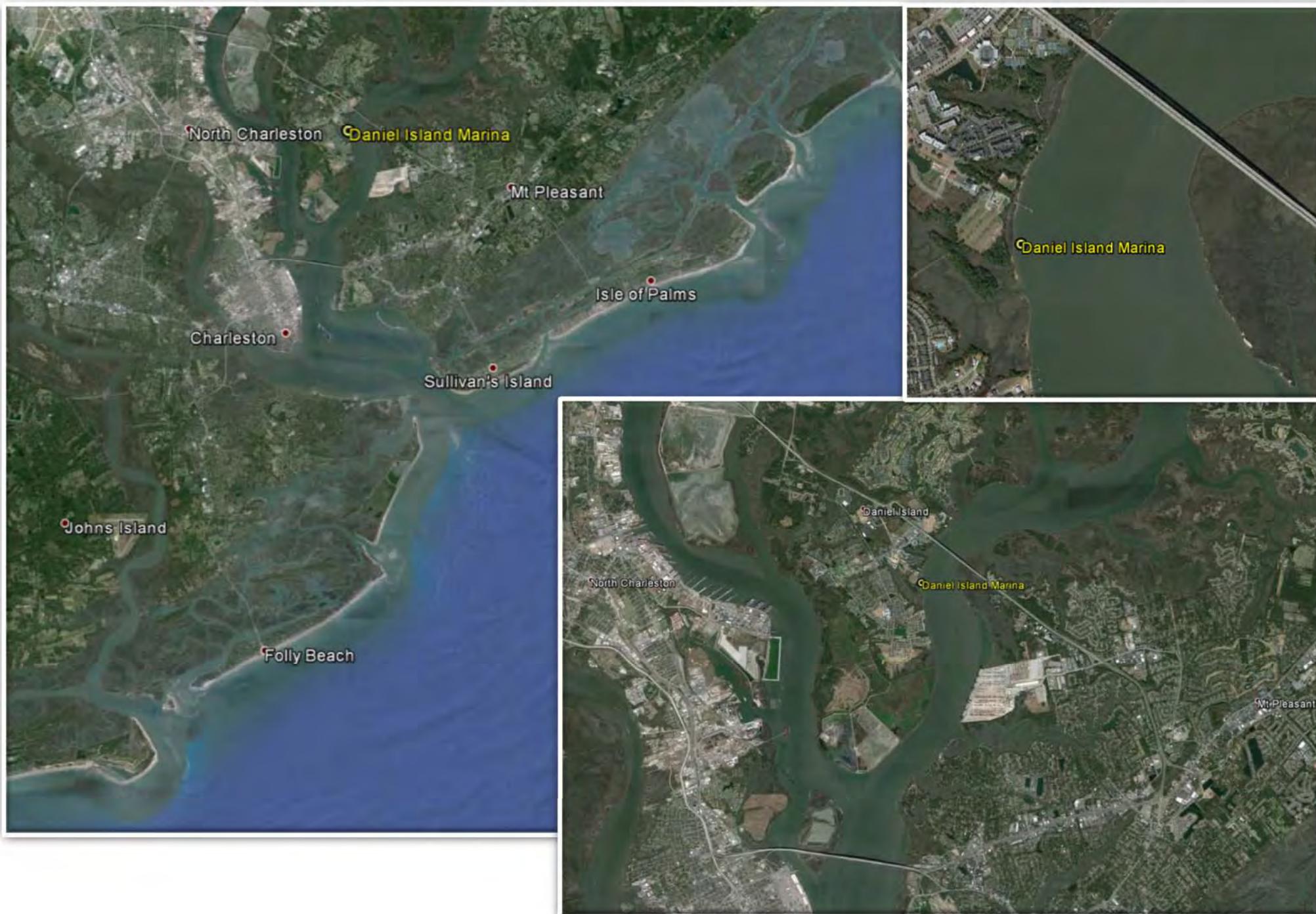
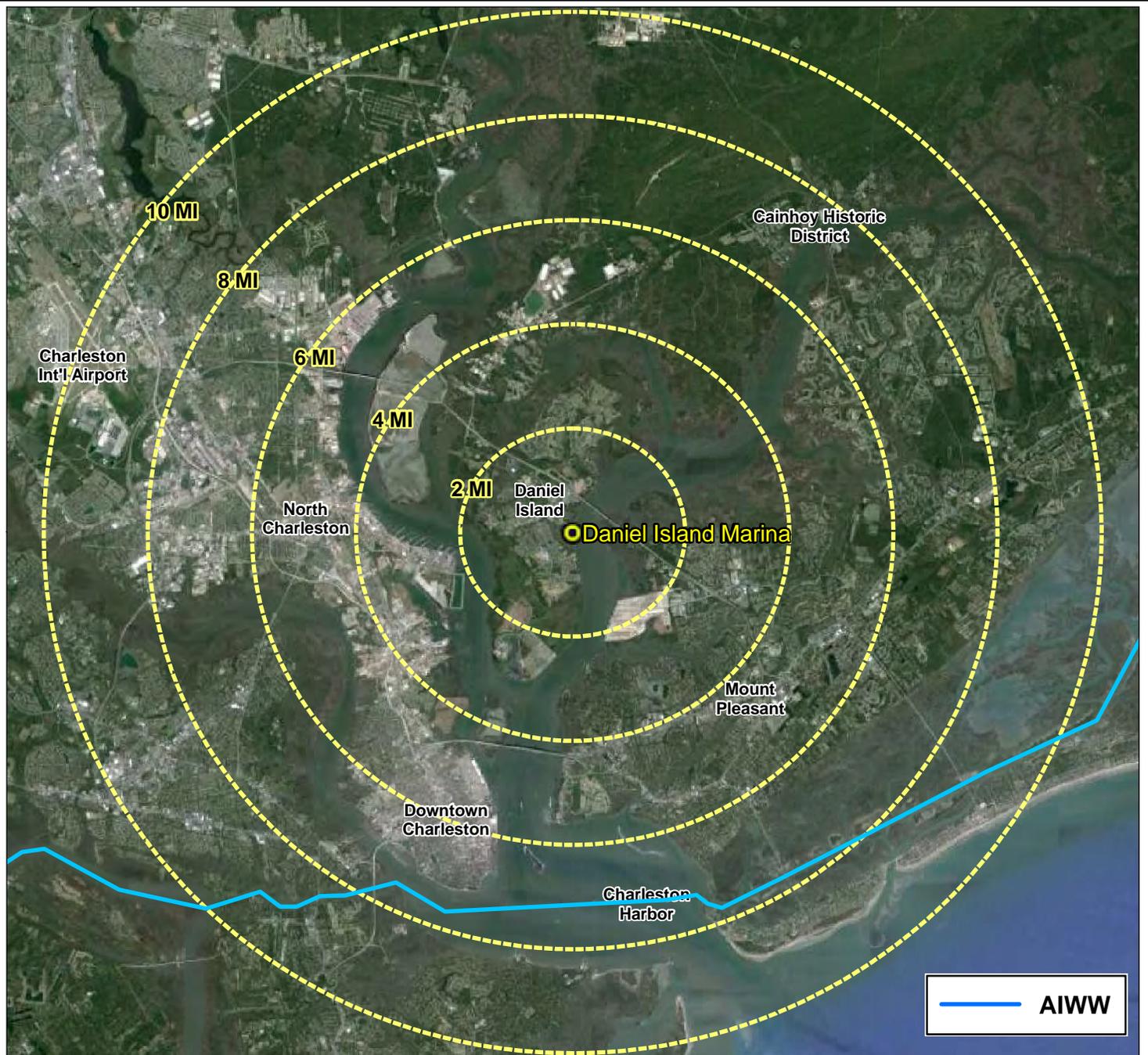


FIGURE 2 – PROPOSED MARINA IMPROVEMENTS



FIGURE 3 – ATTRACTION LOCATION MAP (OVERVIEW)





NEARBY ATTRACTIONS AND TRANSPORTATION OPTIONS (OVERVIEW)
Daniel Island Marina - Daniel Island, SC

<i>Destination</i>	<i>Approximate Distance from Subject Facility</i>	<i>Transportation Options</i>
Atlantic Intracoastal Waterway (AIWW)	6.5 Miles	Boat
Mount Pleasant	1.8 Miles	Car
North Charleston	4 Miles	Car
Downtown Charleston	10 Miles	Car
Cainhoy Historic District	10 Miles	Car
Charleston Harbor	3 Miles	Boat
Charleston International Airport	8 Miles	Car

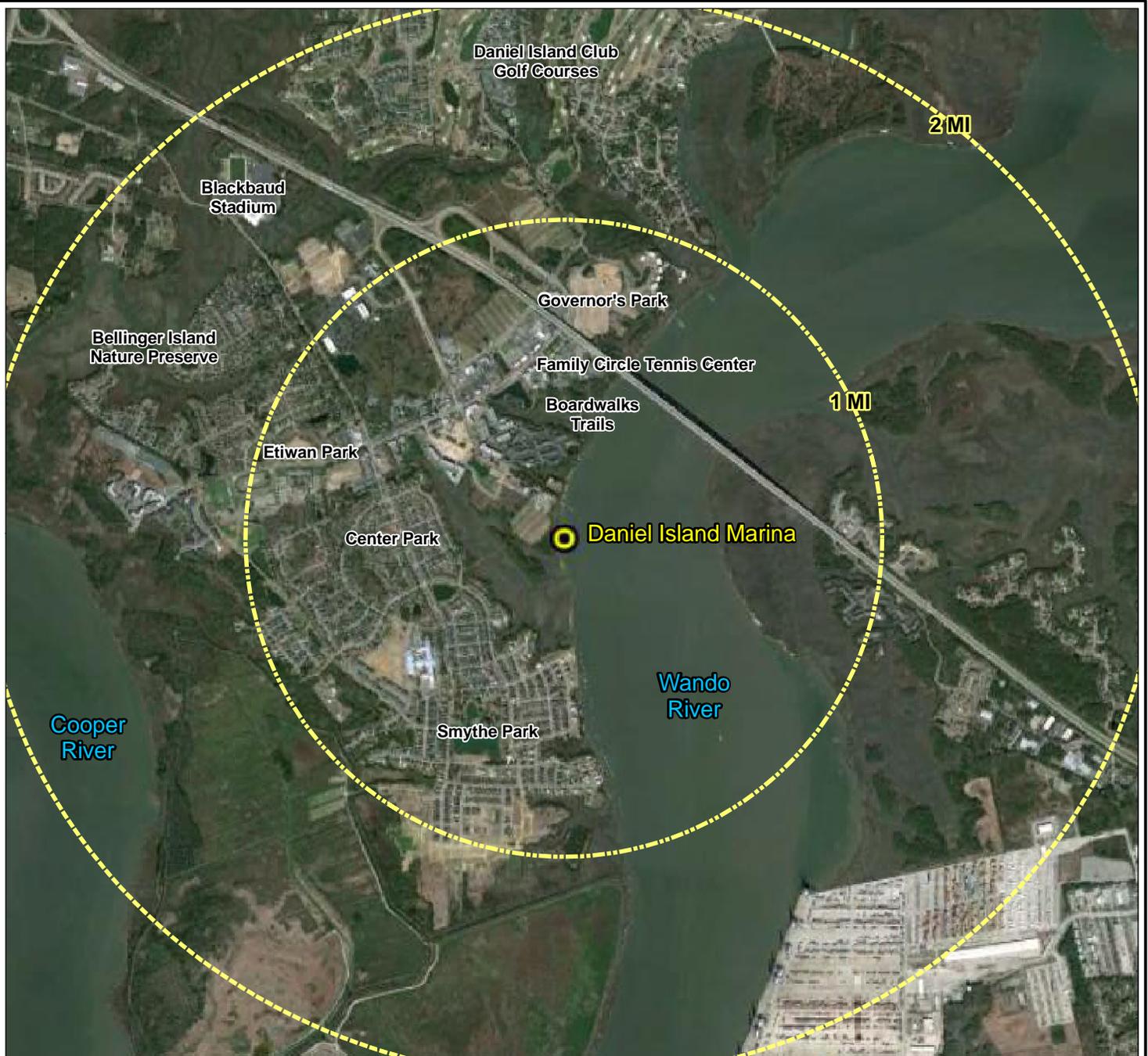
ATM
 APPLIED TECHNOLOGY & MANAGEMENT
 PO Box 20336
 Charleston, SC 29413-0336
 (843) 414-1040

Daniel Island Marina
Daniel Island, SC

BIG Application

FIGURE 4 – ATTRACTION LOCATION MAP (DETAIL/ZOOM)





NEARBY ATTRACTIONS AND TRANSPORTATION OPTIONS
Daniel Island Marina - Daniel Island, SC

<i>Destination</i>	<i>Approximate Distance from Subject Facility</i>	<i>Transportation Options</i>
Family Circle Tennis Center	700 Yards	Walk, Bike, Car
Boardwalks and Trails	120 Yards	Walk, Bike, Car
Governor's Park	1 Mile	Walk, Bike, Car
Etiwan Park	1 Mile	Walk, Bike, Car
Center Park	0.75 Miles	Walk, Bike, Car
Smythe Park	1 Mile	Walk, Bike, Car
Blackbaud Stadium	1.7 Miles	Walk, Bike, Car
Bellinger Island Nature Preserve	1.8 Miles	Walk, Bike, Car
Daniel Island Club Golf Courses	1.9 Miles	Walk, Bike, Car



PO Box 20336
 Charleston, SC 29413-0336
 (843) 414-1040

Daniel Island Marina
Daniel Island, SC

BIG Application

FIGURE 5 – DANIEL ISLAND AREA PHOTOGRAPHS & IMAGES



Daniel Island, South Carolina



Daniel Island Waterfront Trail, Wando River





Daniel Island Waterfront Trail, Wando River



Downtown Daniel Island





Family Circle Cup Tennis Tournament



Former Family Circle Cup Champion



Charleston Battery Professional Soccer



Charleston Battery Professional Soccer/Blackbaud Stadium





Bellinger Island Nature Preserve, Daniel Island



Daniel Island Golf Course





Daniel Island Golf Course



Hootie & The Blowfish Annual Concert at Daniel Island, Family Circle Cup Stadium



Southern Ground Music & Food Festival (Zac Brown Band) at Blackbaud Stadium



Pirate Ship Park at Daniel Island



Daniel Island Park Day



Daniel Island Park Day Entertainment



Daniel Island Park Day Train Rides



George R. Sanders House, Cainhoy, SC circa 1866 (NRHP)



Mary Lessene House, Cainhoy, SC circa 1790 (NRHP)



Lewis Fogartie House, Cainhoy, SC circa 1798 (NRHP)



Downtown Charleston, South Carolina



Downtown Charleston, South Carolina



Rendering of Proposed Upland Improvements (Rear Elevation)



Rendering of Proposed Upland Improvements (Front Elevation)



EXHIBIT D – TOURISM ECONOMIC IMPACT ANALYSIS



ESTIMATION OF TOURISM ECONOMIC IMPACTS IN THE CHARLESTON AREA 2011

	2007	2008	2009	2010	2011
Charleston Visitor Center Traffic	1,029,399	900,511	832,909	778,408	704,001
Charleston Area Attraction Attendance Total	1,694,875	1,514,129	1,543,429	1,583,664	1,654,289
Total Admission Tax Collected (5%)	\$5,001,921	\$5,436,271	\$5,577,385	\$5,253,456	\$5,832,766
Berkeley County	\$510,873	\$466,363	\$588,119	\$482,615	\$483,813
Charleston County	\$4,268,095	\$4,657,645	\$4,704,023	\$4,511,152	\$5,055,661
Dorchester County	\$222,953	\$312,263	\$285,243	\$259,688	\$293,292
Average Expenditure Per Visitor Per day	\$235	\$212	\$170	\$183	\$194
Average Occupancy of Charleston County	72%	69%	63%	69%	70%
Average Daily Rate of Charleston County	\$117	\$120	\$115	\$115	\$117
Hotel/Motel Inventory*	15,450	16,625	16,830	16,867	17,009
Charleston County Total	13,520	14,549	14,754	14,784	15,017
Peninsula of Charleston	3,382	3,381	3,368	3,356	3,356
Charleston/West of the Ashley River (incl. West Islands)	1,577	1,498	1,597	1,594	1,581
North Charleston Area	5,902	6,620	6,743	6,795	6,914
East of the Cooper River (Mt. Pleasant and East Islands)	1,708	1,937	2,026	2,149	2,148
Beach Properties	951	1,113	1,019	1,018	1,018
Dorchester County	686	783	783	781	688
Berkeley County	1,244	1,293	1,293	1,302	1,304
Total Lodging Sales	\$520,502,789	\$513,502,328	\$451,682,873	\$489,079,490	\$541,269,910
Berkeley County	\$25,618,309	\$24,418,053	\$19,191,970	\$18,701,906	\$19,044,685
Charleston County	\$487,831,883	\$482,597,314	\$426,855,094	\$464,920,311	\$516,991,050
Dorchester County	\$7,052,598	\$6,486,961	\$5,635,809	\$5,457,273	\$5,234,175
Revenue per Available Room	\$31K	\$29K	\$27K	\$29K	\$30K
Annual Number of Visitors	4.33 Million	4.12 Million	3.93 Million	4.22 Million	4.51 Million
Total Economic Impact	\$3.09 Billion	\$3.05 Billion	\$2.80 Billion	\$3.03 Billion	\$3.22 Billion
Percentage of Sales Attributable to Tourism	12%	11%	11%	11%	10%
Berkeley County	3%	2%	2%	2%	1%
Charleston County	16%	15%	15%	16%	16%
Dorchester County	2%	1%	2%	1%	1%
Earnings of Jobs	\$1.1 Billion	\$1.0 Billion	\$1.0 Billion	\$1.1 Billion	1.2 Billion

* Data are estimated.

Notes: Average Daily Rate and Occupancy Rate are calculated based on participating hotel only. Total lodging sales are based upon the State's 2% lodging tax, which includes all paid forms of commercial lodging including rental villas, beach houses and bed & breakfasts which are large sectors in this market. Economic impacts, the numbers of jobs and their earnings of 2008 are based on the IMPLAN model which might not be comparable to previous years. Data Sources: Charleston Area Convention and Visitors Bureau, Smith Travel Research, South Carolina Department of Parks, Recreation and Tourism, Charleston Metro Chamber of Commerce, South Carolina Department of Revenue, Office of Tourism Analysis

Copyright @ 2012 Office of Tourism Analysis, College of Charleston

Top Origin States of Visitors

1. North Carolina	6. Illinois
2. South Carolina	7. Pennsylvania
3. Georgia	8. Tennessee
4. Florida	9. California
5. New York	10. Kentucky

About 4.3% are international visitors, mostly from Canada and UK.

Top Metropolitan Areas

1. Charlotte	6. Raleigh-Cary, NC
2. New York City	7. Chicago
3. Atlanta	8. Philadelphia
4. Columbia, SC	9. Cincinnati
5. DC/Baltimore	10. Greenville, SC

Charleston Area's Greatest Assets

1. Food	5. Local Hospitality
1. History	6. Beach/Waterfront
3. Ambiance/Atmosphere	7. Tours
4. Shopping	8. Attractions

Average Expenditures in Charleston

Accommodations	\$94
Dining/Food	\$51
Local Transportations	\$31
Tours/Attractions	\$22
Shopping	\$36
Other Expenses	\$17
Expenditure per Person per Day	\$194

Based on overnight visitors. The sum does not equal total expenditure because each is calculated based on non-zero values.

RANKING CRITERIA DISCUSSION

Criteria #1 – Partnerships

Project will include three partners other than the Service and the Lead State Agency. These partners include:

- NEMO, LLC
- The Daniel Island Company
- Scout Boats, Inc.

Commitment letters from each partner are attached hereto.

Criteria #2 – Innovation

The proposed marina project will utilize cutting edge coastal engineering technology and the efficient integration of multiple, sustainable materials to realize a cost-effective marina development solution in a challenging environment.

The area of the Wando River where the marina is located is expansive and the proposed marina site is exposed to substantial fetches (reaches of open water over which waves can propagate). While the site was selected to minimize impacts to critical habitats and eliminate the need for dredging, it is a challenge to protect the marina against potential wave activity.

As such, The Daniel Island Company previously commissioned two detailed wave studies for the subject site which helped define the required perimeter protection for the facility to ensure long-term sustainability. The findings of these efforts have been considered in the original, permitted marina plan as well as the revised/phased development plan that is included in this application.

The use and integration of these detailed analyses is unique in that many other marina developments in the area rely on standard “off the shelf” dock products that are not designed to consider site-specific environmental conditions. The width, draft, and mass of the docks on this project will be carefully considered against projected site (i.e. storm) conditions to ensure appropriate service and protection.

In addition, the proposed marina will utilize a mixture of dock products: heavy-duty floating concrete attenuators on the northern and southern boundaries to protect against the heaviest projected wave activity; heavy-duty concrete floating docks on the eastern and western boundaries that provide massive/stable access, but at a reduced cost to floating attenuators; and timber or aluminum frame floating docks on the interior of the marina basin that will provide basic, sustainable service in the protected basin at an efficient price point.

Utility services at the proposed marina will include new, purpose-designed shore power that will be specifically designed to accommodate the electrical needs of today’s more complex vessels (i.e. three phase power, etc.). Further, power pedestals will provide lighting for the docks via LED technology which provides long-lasting, efficient service (over traditional illumination).

Lastly, the marina will be integrated into the upland resort development (costs for which are not included in this application). This will provide boaters access to resort-style amenities, adding another level of attraction to and comfort at the marina.

Criteria #3 – Non-Federal Match

The total project costs that will directly support visiting transient boaters with vessels in excess of 26-ft. are estimated at \$3,594,759. The non-federal match is \$2,169,759 and equates to ~60% of the total eligible project cost.

Criteria #4 – Cost Efficiency

The proposed marina facility will be a new, but critically necessary development. The transient portion of the project will provide approximately 29 boat slips over 1,263 linear feet of dock space. With a federal cost share of \$1.425M this equals a per slip cost of \$49,137.

Criteria #5 - Link to Prominent Destinations and Way Points

Metropolitan Centers

As mentioned previously, Daniel Island is a separate and unique part of the City of Charleston. Removed from the traditional downtown core of Charleston, there is currently no direct transient boating access to the Daniel Island community. The proposed project would rectify this critical shortcoming and establish a key linkage to the area. Specifically, this would open an entirely new and highly attractive facet of the Charleston area and the Southeast United States for transient boaters to explore and enjoy.

Cultural Opportunities

A special part of Daniel Island are the many concerts, fairs, sporting events, and exhibitions held on the island each year. These are part of what have established Daniel Island's essential place in the palette of South Carolina's Lowcountry. Key cultural opportunities on Daniel Island include:

- **Annual Family Circle Cup Tennis Tournament**
 - This is an annual premier women's professional tennis event (WTA Tour event)
- **Southern Ground Music & Food Festival**
 - Annual festival featuring (in 2014) the Zac Brown Band, Blues Traveler, Big Head Todd and the Monsters, The Wailers, and others. Location: Blackbaud Stadium.
- **Komen Race for the Cure**
 - Large, annual 5k race that raises awareness and fund related to breast cancer and associated cure research. Location: Family Circle Tennis Center.
- **Charleston Battery Professional Soccer at Blackbaud Stadium**
 - USL Professional Soccer Team that hosts ~20 games per year on Daniel Island

Natural Opportunities

As mentioned previously, Daniel Island is being smartly developed by a highly experienced development team. Great care has been taken to preserve the island's natural environment. This is evidenced through the numerous parks and open greenspace. Daniel Island is also home

to numerous biking and walking paths that weave through the developed and undeveloped portions of the island.

In addition, the Bellinger Island Nature Preserve is accessible via footbridge from Daniel Island. Part of the overall development on Daniel Island, Bellinger Island presents a peaceful, wooded retreat to observe the deepwater creeks, wildlife, and salt marshes which surround Daniel Island.

Lastly, a series of boardwalks and trails connect the Daniel Island Town Center with Family Circle Cup stadium. These boardwalks and trails traverse coastal pine scrub forests, bypass freshwater lagoons (replete with largemouth bass, bluegill, wading birds, and alligators), skirt the live oak-lined edges of the Wando River, and offer breathtaking views of the coastal marsh and open water of the Wando. Access to a small, public crabbing and observation dock is also provided.

Safe Harbor

The proposed marina is located 8 miles inland from the Atlantic Ocean as the crow flies. By water, the distance from the site, down through Charleston Harbor, and out to the Atlantic is just under 10 miles. This provides good access to blue water for boaters, but also provides some level of protection from tropical cyclone activity.

The proposed marina will also include purpose-designed floating wave attenuators that will provide tranquil marina basin conditions during moderate weather events. This will enable transient boaters a safe and protected docking environment. The attenuators have been sized based on wind and wave analysis for the subject site that was conducted by CS&E and ATM.

Criteria #6 - Access to Recreational, Historic, Cultural, Natural, and Scenic Opportunities

The proposed marina will provide access to a number of significant resources, including access to the many attractions of historic downtown Charleston. These include:

National

- **Annual Family Circle Cup WTA Tennis Tournament (April)**
 - Annual 9-day women's professional tennis tournament hosted at Family Circle Tennis Center on Daniel Island (immediately proximate to the proposed marina)
 - Past champions include: Chris Evert, Martina Navratilova, Steffi Graf, Venus Williams, and Serena Williams

- **Historic Charleston**
 - A short boat or car ride from the marina is historic downtown Charleston. Greater Charleston is home to 91 properties listed on the National Register of Historic Places. A large percentage of these are located in the downtown area. Ranked as the #1 Romantic Escape by Travel + Leisure Magazine and consistently a top choice in Condé Nast magazine's annual rankings, Charleston offers visitors a wide variety of culinary, historic, and cultural attractions. This project will expand the opportunity for visiting boaters to enjoy all that Charleston has to offer.

- **Cainhoy Historic District**
 - A collection of nine major buildings dating back to the mid eighteenth century. Buildings include a blacksmith’s shop, several homes, and a tavern.
 - National Register of Historic Places; National Historic District
 - Offers unique insight into the history of the Daniel Island area. Located approximately 10 miles by car or 7 miles by water from the proposed marina site.

- **Annual Hootie & The Blowfish Homegrown Round Up Concert (August)**
 - Lead singer Darius Rucker of Hootie & The Blowfish and country music fame hails from and resides in Charleston (22.3 million albums sold worldwide)
 - Benefits underprivileged children in the Charleston County School District
 - Hosted at Family Circle Tennis Center

Regional

- **Charleston Battery Professional Soccer (Feb.-Sept.)**
 - Approx. 20-25 annual games against regional and national opponents in Blackbaud Stadium on Daniel Island

- **Southern Ground Music & Food Festival (October)**
 - 2-3 day music and food event held at Blackbaud Stadium annually since 2011. Hosted and headlined by the Zac Brown Band of international acclaim

- **Web.com Golf Tour Championship (formerly Nationwide Tour)**
 - Developmental tour for the PGA tour
 - Annual championship held on the Ralston Course on Daniel Island from 2009-2011

Local

- **Daniel Island Park Day (November)**
 - An immensely popular and well-attended fall tradition in the Lowcountry of South Carolina that supports a diverse range of local charities. Attractions include a food truck rodeo, live entertainment, games, jump castles, train rides, animal exhibits, climbing walls, zip lines, and educational displays. Hosted at Governor’s Park.

It is noted that the events and festivals on Daniel Island occur at various times throughout each year. This will help support the marina on a year round basis and provide greater overall exposure for the facility. Also, the Family Circle Cup tennis tournament is nationally televised. This will serve to highlight the proposed marina facilities as well.

In addition, the proposed upland development program will help establish the marina as a key destination in the project area. The proposed upland improvements (*not included* in this application, but available to visiting transient boaters at the marina) will include: an 80-room boutique hotel, a full service spa, a rooftop pool and bar, multiple restaurants (casual and fine dining), a waterfront lawn for special events, water taxi service to downtown Charleston and

Mount Pleasant, courtesy golf carts available for Daniel Island touring, boaters lounge and locker rooms, and day dockage for restaurant and spa patrons.

Criteria #7 – Economic Impact

Basic Expenditures – Annual

In 2012 the Office of Tourism Analysis at the College of Charleston published a study entitled “Estimation of Tourism Economic Impacts in the Charleston Area 2011.” The study analyzed various aspects of tourism in the Charleston area and calculated that the average visitor to the area spent \$194 per day.

Such expenditures would translate to the proposed transient boat slips at the subject marina. Assuming a very conservative 30% annual occupancy of the 1,263 linear feet of transient dock space (~29 slips) that is included in this application, this would yield approximately in estimated **\$616,047** in expenditures and direct economic impact to the local community (29 slips x 365 days x 30% occupancy x \$194). This conservative estimate assumes that a single person would be aboard each vessel. The realized impact from transient visitation to the marina could easily be much greater, particularly during the many special events held on Daniel Island (Family Circle Cup Tournament, concerts, etc.).

Slip Rentals and Marina Operations – Annual

The proposed transient boat slip project associated with this BIG funding request is anticipated to gross roughly **\$366,491** per year (1,263 LF x 30% occupancy x 365 x \$2.65/ft./night) once the facility becomes established. Fuel sales to eligible transient boaters will add more than **\$178,500** per year (based on projected data). Thus, **~\$545,000** will be injected directly into the local economy as a result of this proposed BIG project. A substantial portion of this includes projected annual salaries, maintenance, fuel purchases, and other expenditures that will quickly trickle down to the local economy. Total annual impacts resulting from transient visitation to the marina are estimated at **\$1.16M**. This does not take into account the economic impact that the non-transient portion of the proposed expansion project will have on the local economy which will add to the impacts described above.

Construction Costs – One Time Influx

Construction costs for the proposed transient boat slip project total **\$3.59M**. Other aspects of the site will also be developed concurrently with the proposed BIG project, including additional long-term marina slips and infrastructure (an additional \$11.28M), upland improvements, etc. This money, including local contractors, labor, equipment, fuel, and other construction-related costs, will be injected directly to the Charleston/Daniel Island economy. Receipt of BIG funding will provide an essential catalyst for this development.

Criteria #8 – Multi-State Efforts

By virtue of location, this project is included in the Boating Infrastructure Grant Program - Southeast Region Cooperative Agreement. The agreement is attached hereto for reference.

BOATING INFRASTRUCTURE GRANT PROGRAM
SOUTHEAST REGION COOPERATIVE AGREEMENT
U.S. Fish and Wildlife Service Region 4

WHEREAS, the fish and wildlife management agencies of the States of Alabama, Florida, Georgia, Mississippi, North Carolina, Tennessee; the Commonwealth of Kentucky and the United States Virgin Islands (“the Parties”) support, seek to increase in number, and maintain recreational boating facilities on their respective waterways and coastal areas; and

WHEREAS, the Boating Infrastructure Grant (BIG) Program provides funds to states to construct, renovate, and maintain tie-up facilities with features for transient boaters in vessels 26 feet or more in length, and to produce and distribute information and educational materials about the program; and

WHEREAS, the BIG Program encourages the states to coordinate information of facilities and services available on the waterways for transient non-trailerable recreational vessels; and

WHEREAS, this coordination amongst states provides an opportunity to promote public/private partnerships and cost-effective, innovative techniques to increase the availability of tie-up facilities within local communities that will provide positive economic impacts; and

WHEREAS, preliminary discussions amongst the Parties at national, regional, and state meetings such as the States Organization for Boating Access (SOBA) and U.S. Fish & Wildlife Service Region 4 Federal Aid Coordinator’s Meetings have generated ideas to promote the BIG Program, including a cooperative, multi-state agreement; and

WHEREAS, a more formal commitment of the Parties to coordinate may serve to advance Program administration and implementation, and further enable the transient boater to enjoy each of the Parties’ transient boating facilities, waterways, living resources, and history; and

WHEREAS, a cooperative agreement between the Parties will facilitate the development, implementation and promotion of the BIG Program within the U.S. Fish and Wildlife Service Southeast Region;

NOW, THEREFORE, we, the undersigned executives representing the Parties of the Cooperative Agreement agree to the following goals and objectives:

- Work cooperatively to provide continuity of public access to the shore by promoting and increasing in number transient boater tie-up facilities and related services for recreational vessels greater than or equal to 26 feet.
- Work cooperatively to promote the BIG Program in a manner which ensures an inclusive, open and comprehensive participation process.

- Communicate and coordinate on the development and use of environmentally friendly marine construction activities, outreach/educational materials and mechanisms, public/private partnerships, and other innovative measures.
- Communicate and coordinate in regard to administrative and management issues important to the Parties and exchange information that assists in the betterment of the overall BIG administrative process and project development.
- Compile an inventory of BIG facilities and services available in each state, providing this information on each state's BIG Program website, and providing links to each other's websites.
- Create common outreach materials to raise interest and awareness of the BIG Program and Southeast Region BIG sites.
- Develop BIG Program implementation goals and strategies for the Southeast Region.
- Communicate bi-annually to report progress on the goals of this Agreement; discuss Program administration/implementation issues; refine priorities, management goals, and tasks of the Cooperative; and identify resources (funds, personnel, supplies, etc.) that the Parties will contribute towards tasks to be accomplished.
- Work cooperatively toward our goals, welcome new ideas, pursue fairness and equity, seek the most cost effective solutions, foster collaborative approaches and commit to the common vision of the BIG Program with respect to projects undertaken pursuant to this Agreement.

This Agreement shall terminate upon written agreement of the Parties. Any Party may withdraw from the Agreement for any reason, without cause, upon 30 days written notice to the other Parties, which shall result only in the termination of that Party's participation in the cooperative effort.

Each Party to this Agreement shall maintain independent budgets in accordance with federal and their respective state laws and no BIG Program funds shall be commingled by the Parties as a result of this Agreement.

Nothing herein requires or prohibits additional contractual relationships among or between the Parties to this Agreement. Furthermore, nothing herein is intended to conflict with any requirement of any federal or state law, rule, regulation, policy or directive. If terms of this Cooperative Agreement are deemed to be inconsistent with the policies or programs of any Party hereto, then those specific terms shall be deemed not binding on that Party.

This Agreement represents the entire agreement of the parties. This Agreement may be modified or amended at any time upon the written agreement of the Parties.

The parties hereto have caused this Cooperative Agreement to be executed through their duly authorized signatories on the day and year last written on each signature page attached as:

State of Alabama	State of Florida	State of Georgia	Commonwealth of Kentucky
State of Mississippi	State of North Carolina	State of Tennessee	United States Virgin Island

**ADDENDUM to
BOATING INFRASTRUCTURE GRANT PROGRAM
SOUTHEAST REGION COOPERATIVE AGREEMENT
U.S. Fish and Wildlife Service Region 4**

WHEREAS, the fish and wildlife management agencies of the States of Alabama, Florida, Georgia, Mississippi, North Carolina, Tennessee; the Commonwealth of Kentucky and the United States Virgin Islands ("the Parties") entered into an agreement dated September 11, 2009, referred to as the ORIGINAL AGREEMENT, and

WHEREAS, this ORIGINAL AGREEMENT was entered into to encourage the states within the Southeast Region to coordinate information of facilities and services available on the waterways for transient non-trailerable recreational vessels for the Boating Infrastructure Grant (BIG) Program; and

WHEREAS, at the time the ORIGINAL AGREEMENT was executed the State of South Carolina did not consent to be a Party, but does now elect to be included as a Party to this cooperative agreement to facilitate the development, implementation and promotion of the BIG Program within the U.S. Fish and Wildlife Service Southeast Region;

NOW, THEREFORE, this ADDENDUM is being duly executed to add the State of South Carolina as a Party to the Agreement. The State of South Carolina agrees to the terms of the ORIGINAL AGREEMENT.

FOR THE STATE OF SOUTH CAROLINA



Signature

2-6-13

Date

Alvin A. Taylor

Print Name

Director

Title

SC Department of Natural Resources

Agency - Department



United States Department of the Interior

INTERIOR BUSINESS CENTER
Indirect Cost Services
2180 Harvard Street, Suite 430
Sacramento, CA 95815



August 26, 2014

Mr. Alvin A. Taylor, Director
State of South Carolina
Department of Natural Resources
c/o State Budget and Control Board
Office of State Budget
1205 Pendleton St., Suite 529
Columbia, SC 29201-3757

RECEIVED

SEP 02 2014

Budget Control Board
OFFICE OF STATE BUDGET

Dear Mr. Taylor:

Enclosed is the signed original negotiated indirect cost rate agreement that was processed by our office. If you have any questions concerning this agreement, please refer to the signature page for the name and contact number of the negotiator.

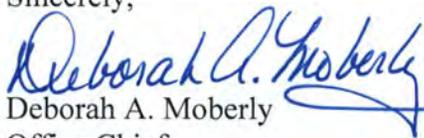
As a recipient of federal funds, you are required to submit Indirect Cost Proposals on an annually basis. Proposals are due within 6 months after the close of your fiscal year end and are processed on a first-in, first-out basis.

Common fiscal year end dates and proposal due dates are listed below:

Fiscal Year End Date	Proposal Due Date
September 30 th	March 31 st
December 31 st	June 30 th
June 30 th	December 31 st

Please visit our Web site at http://www.doi.gov/ibc/services/Indirect_Cost_Services for guidance and updates on submitting future indirect cost proposals. The website includes helpful tools such as a completeness checklist, indirect cost and lobbying certificates, sample proposals, excel worksheet templates, and links to other Web sites.

Sincerely,


Deborah A. Moberly
Office Chief

Ref: J:\States & Local Gov\South Carolina\South Carolina Department of Natural Resources (Scdnh142)\FY 2015\Scdn-IssueLtr.FY15.doc

Phone: (916) 566-7111
Fax: (916) 566-7110

Email: ICS@ibc.doi.gov
Internet: http://www.doi.gov/ibc/services/Indirect_Cost_services

Revised 3/27/13

**State and Local Governments
Indirect Cost Negotiation Agreement**

EIN: 57-0882454 (Marine Division)
57-6000286 (Other DNR)

Organization:

State of South Carolina
Department of Natural Resources
c/o State Budget and Control Board
Office of State Budget
1205 Pendleton St., Suite 529
Columbia, SC 29201-3757

Date: August 26, 2014

Report No(s) .: 14-A-1059

RECEIVED
SEP 02 2014

Filing Ref.:

Last Negotiation Agreement
dated June 25, 2013

Budget & Control Board
OFFICE OF STATE BUDGET

The indirect cost rate contained herein is for use on grants, contracts, and other agreements with the Federal Government to which 2 CFR 225 (OMB Circular A-87) applies, subject to the limitations in Section II.A. of this agreement. The rate was negotiated by the U.S. Department of the Interior, Interior Business Center, and the subject organization in accordance with the authority contained in 2 CFR 225.

Section I: Rate

Type	Effective Period		Rate*	Locations	Applicable To
	From	To			
Fixed Carryforward	07/01/14	06/30/15	25.09%	All	PR/DJ
Fixed Carryforward	07/01/14	06/30/15	21.35%	All	All Other

*Base: Total direct salaries and wages, excluding fringe benefits.

Treatment of fringe benefits: Fringe benefits applicable to direct salaries and wages are treated as direct costs; fringe benefits applicable to indirect salaries and wages are treated as indirect costs.

Section II: General

Page 1 of 3

A. Limitations: Use of the rate(s) contained in this agreement is subject to any applicable statutory limitations. Acceptance of the rate(s) agreed to herein is predicated upon these conditions: (1) no costs other than those incurred by the subject organization were included in its indirect cost rate proposal, (2) all such costs are the legal obligations of the grantee/contractor, (3) similar types of costs have been accorded consistent treatment, and (4) the same costs that have been treated as indirect costs have not been claimed as direct costs (for example, supplies can be charged directly to a program or activity as long as these costs are not part of the supply costs included in the indirect cost pool for central administration).

B. Audit: All costs (direct and indirect, federal and non-federal) are subject to audit. Adjustments to amounts resulting from audit of the cost allocation plan or indirect cost rate proposal upon which the negotiation of this agreement was based will be compensated for in a subsequent negotiation.

C. Changes: The rate(s) contained in this agreement are based on the organizational structure and the accounting system in effect at the time the proposal was submitted. Changes in organizational structure, or changes in the method of accounting for costs which affect the amount of reimbursement resulting from use of the rate(s) in this agreement, require the prior approval of the responsible negotiation agency. Failure to obtain such approval may result in subsequent audit disallowance.

D. Rate Type:

1. **Fixed Carryforward Rate:** The fixed carryforward rate is based on an estimate of the costs that will be incurred during the period for which the rate applies. When the actual costs for such periods have been determined, an adjustment will be made to the rate for future periods, if necessary, to compensate for the difference between the costs used to establish the fixed rate and the actual costs.

2. **Provisional/Final Rates:** Within 6 months after year end, a final indirect cost rate proposal must be submitted based on actual costs. Billings and charges to contracts and grants must be adjusted if the final rate varies from the provisional rate. If the final rate is greater than the provisional rate and there are no funds available to cover the additional indirect costs, the organization may not recover all indirect costs. Conversely, if the final rate is less than the provisional rate, the organization will be required to pay back the difference to the funding agency.

3. **Predetermined Rate:** The predetermined rate contained in this agreement is based on estimated costs which will be incurred during the period for which the rate applies and is normally not subject to subsequent carry-forward adjustments. However, if material changes occur in the grantee/contractor's cost structure, adjustments to the rate may be necessary to compensate for the effects of such changes.

E. Agency Notification: Copies of this document may be provided to other federal offices as a means of notifying them of the agreement contained herein.

F. Record Keeping: Organizations must maintain accounting records that demonstrate that each type of cost has been treated consistently either as a direct cost or an indirect cost. Records pertaining to the costs of program administration, such as salaries, travel, and related costs, should be kept on an annual basis.

G. Reimbursement Ceilings: Grantee/contractor program agreements providing for ceilings on indirect cost rate(s) or reimbursement amounts are subject to the ceilings stipulated in the contract or grant agreements. If the ceiling rate is higher than the negotiated rate in Section I of this agreement, the negotiated rate will be used to determine the maximum allowable indirect cost.

H. Use of Other Rate(s): If any federal programs are reimbursing indirect costs to this grantee/contractor by a measure other than the approved rate(s) in this agreement, the grantee/contractor should credit such costs to the affected programs, and the approved rate should be used to identify the maximum amount of indirect cost allocable to these programs.

I. Central Service Costs: Where central service costs are estimated for the calculation of indirect cost rate(s), adjustments will be made to reflect the difference between provisional and final amounts.

J. Other:

1. The purpose of an indirect cost rate is to facilitate the allocation and billing of indirect costs. Approval of the indirect cost rate does not mean that an organization can recover more than the actual costs of a particular program or activity.
2. Programs received or initiated by the organization subsequent to the negotiation of this agreement are subject to the approved indirect cost rate if the programs receive administrative support from the indirect cost pool. It should be noted that this could result in an adjustment to a future rate.
3. New indirect cost proposals are necessary to obtain approved indirect cost rate(s) for future fiscal or calendar years. The proposals are due in our office 6 months prior to the beginning of the year to which the proposed rate(s) will apply.

Section III: Acceptance

Listed below are the signatures of acceptance for this agreement:

By the State & Local Government:

By the Cognizant Federal Government Agency:

State of South Carolina
Department of Natural Resources
State/Local Government

U.S. Department of the Interior
Agency

 /s/

 /s/

ALVIN A TAYLOR
Name (Type or Print)

Deborah A. Moberly
Name

DIRECTOR
Title

Office Chief
Office of Indirect Cost Services
Title

8-21-14
Date

U.S. Department of the Interior
Interior Business Center
Agency

AUG 26 2014

Date
Negotiated by Muberra Guvenc
Telephone (916) 566-7007

EXHIBIT B- STATE AND FEDERAL PERMIT AUTHORIZATIONS





C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

July 9, 2007

Ken Hance
Newkirk Environmental, Inc.
P.O. Box 746
Mount Pleasant, South Carolina 29465

Re: **2007-407-2IG-P**
The Daniel Island Company

SEE SPECIAL
CONDITIONS(S)

Dear Mr. Hance:

The SCDHEC Office of Ocean and Coastal Resource Management has reviewed your application to construct a commercial marina and an upland dry stack facility on and adjacent to the Wando River, south of the terminus of River Landing Drive, Daniel Island, City of Charleston, Berkeley County, South Carolina, and has issued a permit for this work. You should carefully read the description of the authorized project and any special conditions that have been placed on the permit, as these conditions may modify the permitted activity. In addition, there are a series of general conditions that should be reviewed. The original and one photocopy of the permit, as issued, are enclosed. After carefully reading the permit, if you wish to accept the permit as issued, sign and date in the signature block entitled "PERMITTEE" on the original version of the permit and return it to this Department. Keep the photocopy for your records.

PLEASE READ CAREFULLY: You are required to sign and return the original version of your permit to this Department. If this permit is not signed and returned within thirty (30) days of issuance, OR appealed within 15 days as described on the enclosed "Notice of Appeal Procedure", the Department reserves the right to cancel this permit. Please carefully review the enclosed "Notice of Appeal Procedure" for information and deadlines for appealing this permit.

We have also enclosed a "request for a construction placard" card. You must send in this card before the time you wish to start construction. At that time a construction placard will be sent to you to post at the construction site.

PLEASE NOTE: You are not authorized to commence work under the permit until we have received the original version of the entire permit signed and accepted by you, and a construction placard has been issued and posted at the construction site. The receipt of this permit does not relieve you of the responsibility of acquiring any other federal or local permits that may be required.

Sincerely,

Curtis Joyner
Manager, Critical Area Permitting
Enclosure

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Ocean and Coastal Resource Management

Charleston Office • 1362 McMillan Avenue, Suite 400 • Charleston, SC 29405

Phone: 843-953-0200 • Fax: 843-953-0201 • www.scdhec.gov



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Notice of Appeal Procedure

The following procedures are in effect beginning July 1, 2006, pursuant to 2006 Act No. 387:

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393.

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201
3. The request for final review should include the following:
 - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
 - b. a statement of any significant issues or factors the Board should consider in deciding how to handle the matter
 - c. a copy of the Department's decision or action under review
4. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due.
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.
6. The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.
7. If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Ocean and Coastal Resource Management

Charleston Office • 1362 McMillan Avenue, Suite 400 • Charleston, SC 29405

Phone: 843-953-0200 • Fax: 843-953-0201 • www.scdhec.gov

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT

CRITICAL AREA PERMIT / COASTAL ZONE CONSISTENCY CERTIFICATION / WATER
QUALITY CERTIFICATION

Permittee(s): **The Daniel Island Company**

Permit Number(s): **2007-407-2IG-P**

Date of Issuance: **July 9, 2007**

Expiration Date: **July 9, 2012**

Location: **On and adjacent to the Wando River, south of the terminus of River
Landing Drive, Daniel Island, City of Charleston, Berkeley County,
South Carolina. (Latitude: 32.85429 – Longitude: 79.90275)**

SEE SPECIAL
CONDITIONS(S)

This permit/certification is issued under the provisions of 25A S.C. Code Ann. Regs. 61-101 (Supp. 2005), et seq., and 23A S.C. Code Ann. Regs. 30-1 through 30-18 (Supp. 2005). Additionally, as required by R.61-101, Department staff have reviewed plans for this project and determined there is a reasonable assurance the project will be conducted in a manner consistent with Certification requirements of Section 401 of the Clean Water Act. We also certify that this project, subject to the indicated conditions, is consistent with applicable provisions of Section 303 of the Clean Water Act, as amended, that there are no applicable effluent limitations under Sections 301(b) and 302, and that there are no applicable standards under Sections 306 and 307.

This permit contains required certification pursuant to Section 401 of the Clean Water Act. Work may not commence under this permit until thirty (30) days after final signature by an OCRM official. PLEASE CAREFULLY READ THE ENCLOSED "NOTICE OF APPEAL PROCEDURE."

Please carefully read the project description and any special conditions, which may appear on this permit/certification, as they will affect the work that is allowed. If there are no special conditions, then the work is authorized as described in the project description and as modified by general conditions. The general conditions are also a part of this permit/certification and should be read in their entirety. The S. C. Contractor's Licensing Act of 1999, enacted as Section 40-11-5 through 430, requires that all construction with a total cost of \$5,000 or more be performed by a licensed contractor with a valid contractor's license for marine class construction, except for construction performed by a private landowner for strictly private purposes. Your signature on and acceptance of this permit denotes your understanding of the stated law regarding use of licensed contractors. **All listed special and general conditions will remain in effect for the life of the project if work commences during the life of the permit. This applies to permittee, future property owners, or permit assignees.**

DESCRIPTION OF THE PROJECT, AS AUTHORIZED

The plans submitted by you, attached hereto, show the work consists of constructing a marina facility will include 341 wet slips in the Wando River providing moorage for boats from 35' to 115' in length, including, 288 designated commercial slips with finger piers and timber mooring piles, 20 designated public slips with finger piers and 33 designated commercial slips along approximately 3,894 linear feet of side tie moorage, a harbormaster's office, fuel and sewage pump out facilities, dry stack

storage operation and floating breakwater. Upland support facilities will include bathrooms, showers, laundry facility and parking for a minimum of 183 vehicles. The dry stack storage operation will consist of one building for the storage of up to 208 boats 15' to 30' in length. Forklifts will be utilized to move boats to and from the building and the launch and retrieve pier in the marina basin. Proposed moorage for staging of boats for dry stack operations is approximately 530 linear feet (LF). No fill or excavation in wetlands or the Wando River is proposed with this application. The purpose of this project is to construct and operate a commercial marina facility in the Wando River on Daniel Island, to provide boat moorage and marina services to the residents of Daniel Island and members of the general public.

CRITICAL AREA PERMIT SPECIAL CONDITIONS

1. Provided the operations of the marina shall be reviewed by the Department as deemed appropriate, but at least every five years. Based on this review, the Department may require, among other things, changes or additions to the Operations and Maintenance Manual (manual) to address any water quality or other environmental problems, and a reduction in the size of, or a change in the configuration of, the marina. Such action may be taken at any time the Department determines that significant state water quality compliance or other problems exist, at the time the Department enlarges the closure area, or at the time of a review. The manual submitted for this facility is made a part of this permit and must be followed in the operation of this facility unless otherwise amended in writing by OCRM. The manual must be reviewed and revised to keep it up-to-date with existing facilities and operations. The manual must be in accordance with R. 30-12(E)(6) or the Rules and Regulations for Permitting in the Critical Areas of the Coastal Zone and with OCRM's Marina/Commercial Dock Operations And Maintenance Manual Requirements.
2. Provided a stormwater plan for the marina, associated parking area, and other facilities must be submitted to and approved in writing by the OCRM staff before any work is performed under this permit.
3. Provided a functional wastewater pumpout system must be provided at the marina and must be adequate to handle all wastewater generated at the marina. The design and installation of the pumpout and disposal system must be approved by SCDHEC's Division of Domestic Wastewater, Construction Management Section. No dock may be occupied until the pumpout and disposal system has been built and given a final permit to operate by SCDHEC.
4. Provided that wastewater pumpout services are provided to permanent tenants and transients or other users of the marina.
5. Provided the discharge of any kind of waste into state waters, including, but not limited to, garbage, refuse, trash or debris, will be prohibited at the marina. Any lease agreement used to rent dock space shall include a statement prohibiting the discharge of these items or general garbage or other deleterious substances into the waters of the marina. It will also stress the need to maintain good water quality within the marina.
6. Provided the storage or disposal of new or used batteries, oil or lubrication containers, fuel containers, solvents, toxic cleaners, paint cans, etc., on the marina docks is prohibited.

7. Signs must be posted on all docks, piers and areas adjacent to the facility stating the following:

"It is against both Federal and State Laws to discharge raw, untreated sewage from any description of watercraft into the waters of South Carolina."

Signs should be at least 14" by 18" in size so they can be read clearly.
8. Provided the marina must provide adequate bathroom facilities at a location to encourage their use.
9. Provided that plans for any potable water supplied to the marina docks must be approved in writing by SCDHEC.
10. Provided the marina must have adequate booms available to isolate any oil or fuel spill around the fuel dock, a leaking boat, or a sunken boat. These booms must be stored in a location where they are quickly and easily accessible.
11. Provided the marina must have absorbent pads available for boat use and for removing incidental spills during fueling operations.
12. Provided an experienced operator shall be in charge of the marina and be responsible for compliance with the issued Operations and Maintenance Manual and with all conditions of the permit.
13. Provided the marina lease agreement with boat owners must include a provision requiring that boat owners comply with all applicable State and federal regulations. The marina shall ensure that violations are reported promptly to the proper authorities.
14. Provided a complete copy of the marina permit, including the Operations and Maintenance Manual and all conditions or requirements placed on the permit, shall be readily available at the marina.
15. Provided the marina shall prominently display and distribute material pertaining to the maintenance of water quality standards at the marina and report violations of such standards to the proper authorities.
16. Provided the applicant must develop a spill prevention and clean up plan for this project. The plan should contain the names of appropriate officials to contact in case of a reportable spill and outline measures to be taken. Clean up materials, such as absorbent pads and booms, must be kept at the project site for small spills. This plan must be submitted to the Department for review and approval prior to initiation of the project. In most cases, this will be a part of the O & M Manual.
17. Provided all parts of the docking structure are used for water dependent purposes only. No food or beverage service, vending machines, T-shirt sales, concessions, etc. are allowed on or across these dock facilities.

18. Provided all facilities and services within the marina are the responsibility of the marina owner/operator (permittee) unless otherwise legally authorized.
19. Provided that if dock boxes are allowed at the marina then they should be of a type that is leak- proof so that any material that spills or leaks inside the box will not leak out onto the marina docks and into the waters of the marina.
20. Provided that nonwater dependent structures, including buildings, houses, or offices that float, shall be prohibited at the marina unless specifically authorized by OCRM. OCRM shall at its discretion determine on a case-by-case basis whether or not a floating structure is a boat and thus exempt from the Act or in fact is a nonwater dependent structure. This shall be based upon the primary function of the floating structure. The mere fact that a structure is registered as a vessel or capable of being propelled does not mean it is exempt from the Department regulations.
21. Provided no materials are allowed to be stored in the critical area adjacent to the construction site and that all debris, litter, concrete spillage, etc be cleaned up at least weekly.
22. Provided that an as-built survey of the marina must be submitted to the Department within 90 days of the expiration date of the final construction placard. The survey must be performed by a registered land surveyor, must show all components of the marina in the SC State Plane Coordinate System, which can be obtained by survey-grade Global Positioning System equipment.
23. Provided that in the event that archaeological or paleontological remains are found during the course of work, the applicant should notify the South Carolina Institute of Archaeology and Anthropology (Mr. James Spirek at 803-777-8170) pursuant to South Carolina Underwater Antiquities Act of 1991, (Article 5 Chapter 7, Title 54, Code of Laws of South Carolina, 1976). Archaeological remains consist of any materials made or altered by man, which remain from past historic or prehistoric times (ie, older than 50 years). Examples include old pottery fragments, metal, wood, arrowheads, stone implements or tools, human burials, historic docks, structures, or non-recent vessel remains. Paleontological remains consist of old animal remains, original or fossilized, such as teeth, tusks, bone, or entire skeletons.

WATER QUALITY SPECIAL CONDITIONS

1. All necessary measures must be taken to prevent oil, tar, trash, debris and other pollutants from entering the adjacent waters or wetlands during construction.
2. Construction activities must avoid to the greatest extent possible, encroachment into any wetland areas not designated as impact areas.
3. The applicant must implement best management practices, in upland areas, that will minimize erosion and migration of sediments on and off the project site during and after construction. These practices should include the use of appropriate grading and sloping techniques, mulches, hay bales, silt fences, or other devices capable of preventing erosion, migration of sediments and bank

failure. All disturbed land surfaces and sloped areas must be stabilized and sloped with a minimum 3/1 slope upon project completion.

4. All efforts must be made to protect existing native riparian vegetation in and along shoreline areas.
5. This walkway and pierhead must be located and constructed to minimize disturbance to shellfish beds and direct encroachment on shellfish beds should be avoided.
6. Sections of the proposed walkway over marsh must be located to minimize shading impacts on emergent marsh vegetation.
7. Litter receptacles must be located near the walkway and pierhead.
8. Only clean earthen material free of all potential sources of pollution must be used as backfill.
9. The floating dock must be constructed with encased or encapsulated floatation devices.

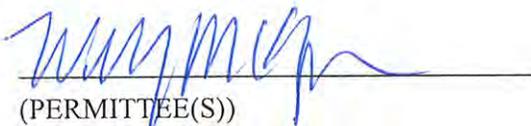
**SEE SPECIAL
CONDITIONS(S)**

PERMITTEE'S ATTENTION IS DIRECTED TO GENERAL CONDITIONS NUMBERS FOUR (4) AND FIVE (5). BY ACCEPTANCE OF THIS PERMIT, PERMITTEE IS PLACED ON NOTICE THAT THE STATE OF SOUTH CAROLINA, BY ISSUING THIS PERMIT, DOES NOT WAIVE ITS RIGHTS TO REQUIRE PAYMENT OF A REASONABLE FEE FOR USE OF STATE LANDS AT A FUTURE DATE IF SO DIRECTED BY STATUTE.

THE PERMITTEE, BY ACCEPTANCE OF THIS PERMIT AGREES TO ABIDE BY THE TERMS AND CONDITIONS CONTAINED HEREIN AND TO PERFORM THE WORK IN STRICT ACCORDANCE WITH THE PLANS AND SPECIFICATIONS ATTACHED HERETO AND MADE A PART HEREOF. ANY DEVIATION FROM THESE CONDITIONS, TERMS, PLANS AND SPECIFICATIONS SHALL BE GROUNDS FOR REVOCATION, SUSPENSION OR MODIFICATION OF THIS PERMIT AND THE INSTITUTION OF SUCH LEGAL PROCEEDINGS AS THE DEPARTMENT MAY CONSIDER APPROPRIATE.

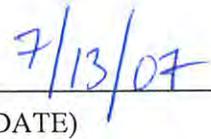
Permit Number: 2007-407-2IG-P

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



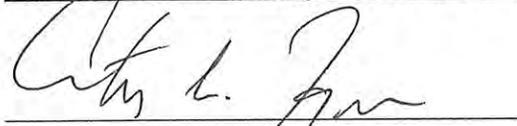
(PERMITTEE(S))

The Daniel Island Company



(DATE)

This permit becomes effective when the State official, designated to act for the Office of Ocean and Coastal Resource Management, has signed below.



(MANAGER, CRITICAL AREA PERMITTING) (DATE)

Curtis M. Joyner

Or his Designee

Other Authorized State Official

SEE SPECIAL
CONDITIONS(S)

GENERAL CONDITIONS:

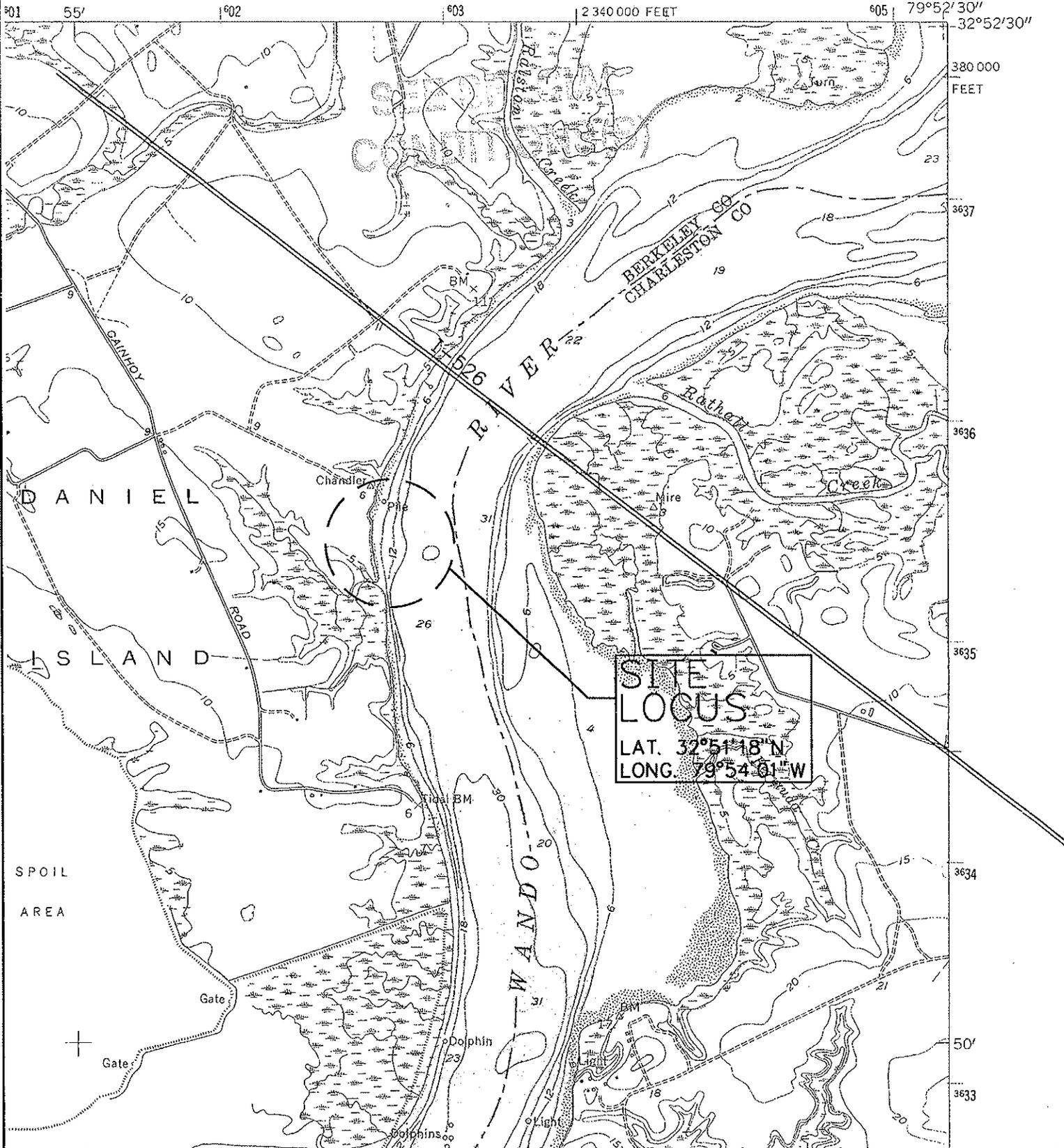
This construction and use permit is expressly contingent upon the following conditions which are binding on the permittee:

1. That the permittee, in accepting this permit, covenants and agrees to comply with and abide by the provisions and conditions herein and assumes all responsibility and liability and agrees to save OCRM and the State of South Carolina, its employees or representatives, harmless from all claims of damage arising out of operations conducted pursuant to this permit.
2. That if the activity authorized herein is not constructed or completed within five years of the date of issuance, this permit shall automatically expire. A request, in writing, for an extension of time shall be made not less than sixty days prior to the expiration date.
3. That all authorized work shall be conducted in a manner that minimizes any adverse impact on fish, wildlife and water quality.
4. That this permit does not relieve the permittee from the requirements of obtaining a permit from the U. S. Army Corps of Engineers or any other applicable federal agency, nor from the necessity of complying with all applicable local laws, ordinances, and zoning regulations. This permit is granted subject to the rights of the State of South Carolina in the navigable waters and shall be subject, further, to all rights held by the State of South Carolina under the public trust doctrine as well as any other right the State may have in the waters and submerged lands of the coast.
5. That this permit does not convey, expressly or impliedly, any property rights in real estate or material nor any exclusive privileges; nor does it authorize the permittee to alienate, diminish, infringe upon or otherwise restrict the property rights of any other person or the public; nor shall this permit be interpreted as appropriating public properties for private use.
6. That the permittee shall permit OCRM or its authorized agents or representatives to make periodic inspections at any time deemed necessary in order to ensure that the activity being performed is in accordance with the terms and conditions of this permit.
7. That any abandonment of the permitted activity will require restoration of the area to a satisfactory condition as determined by OCRM.
8. That this permit may not be transferred to a third party without prior written notice to OCRM, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit and thereby agreeing to comply.
9. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and special signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.
10. That the permit construction placard or a copy of the placard shall be posted in a conspicuous place at the project site during the entire period of work.
11. That the structure or work authorized herein shall be in accordance with the plans and drawing attached hereto, and shall be maintained in good condition. Failure to build in accordance with the plans and drawings attached hereto, or failure to maintain the structure in good condition, shall result in the revocation of this permit.
12. That the authorization for activities or structures herein constitutes a revocable license. OCRM may require the permittee to modify activities or remove structures authorized herein if it is determined by OCRM that such activity or structures violates the public's health, safety, or welfare, or if any activity is inconsistent with the public trust doctrine. Modification or removal under this condition shall be ordered only after reasonable notice stating the reasons therefore and provision to the permittee of the opportunity to respond in writing. When the Permittee is notified that OCRM intends to revoke the permit, Permittee agrees to immediately stop work pending resolution of the revocation.
13. That OCRM shall have the right to revoke, suspend, or modify this permit in the event it is determined the permitted structure (1) significantly impacts the public health, safety and welfare, and/or is violation of Section 48-39-150, (2) adversely impacts public rights, (3) that the information and data which the permittee or any other agencies have provided in connection with the permit application is either false, incomplete or inaccurate, or (4) that the activity is not in compliance with the drawings submitted by the applicant. That the permittee, upon receipt of OCRM's written intent to revoke, suspend, or modify the permit has the right to a hearing. Prior to revocation, suspension, or modification of this permit, OCRM shall provide written notification of intent to revoke to the permittee, and permittee can respond with a written explanation to OCRM. (South Carolina Code Section 1-023-370 shall govern the procedure for revocation, suspension or modification herein described).
14. That any modification, suspension or revocation of this permit shall not be the basis of any claim for damages against OCRM or the State of South Carolina or any employee, agent, or representative of OCRM or the State of South Carolina.
15. That all activities authorized herein shall, if they involve a discharge or deposit into navigable waters or ocean waters, be at all times consistent with all applicable water quality standards, effluent limitations and standards of performance, prohibitions, and pretreatment standards established pursuant to applicable federal, state and local laws.
16. That extreme care shall be exercised to prevent any adverse or undesirable effects from this work on the property of others. This permit authorizes no invasion of adjacent private property, and OCRM assumes no responsibility or liability from any claims of damage arising out of any operations conducted by the permittee pursuant to this permit.

7/29

CHARLESTON QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)

5049 IV NE
(GAINHOY)



SITE LOCUS
LAT. 32°51'18" N
LONG. 79°54'01" W

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL=0.67' (2.70')

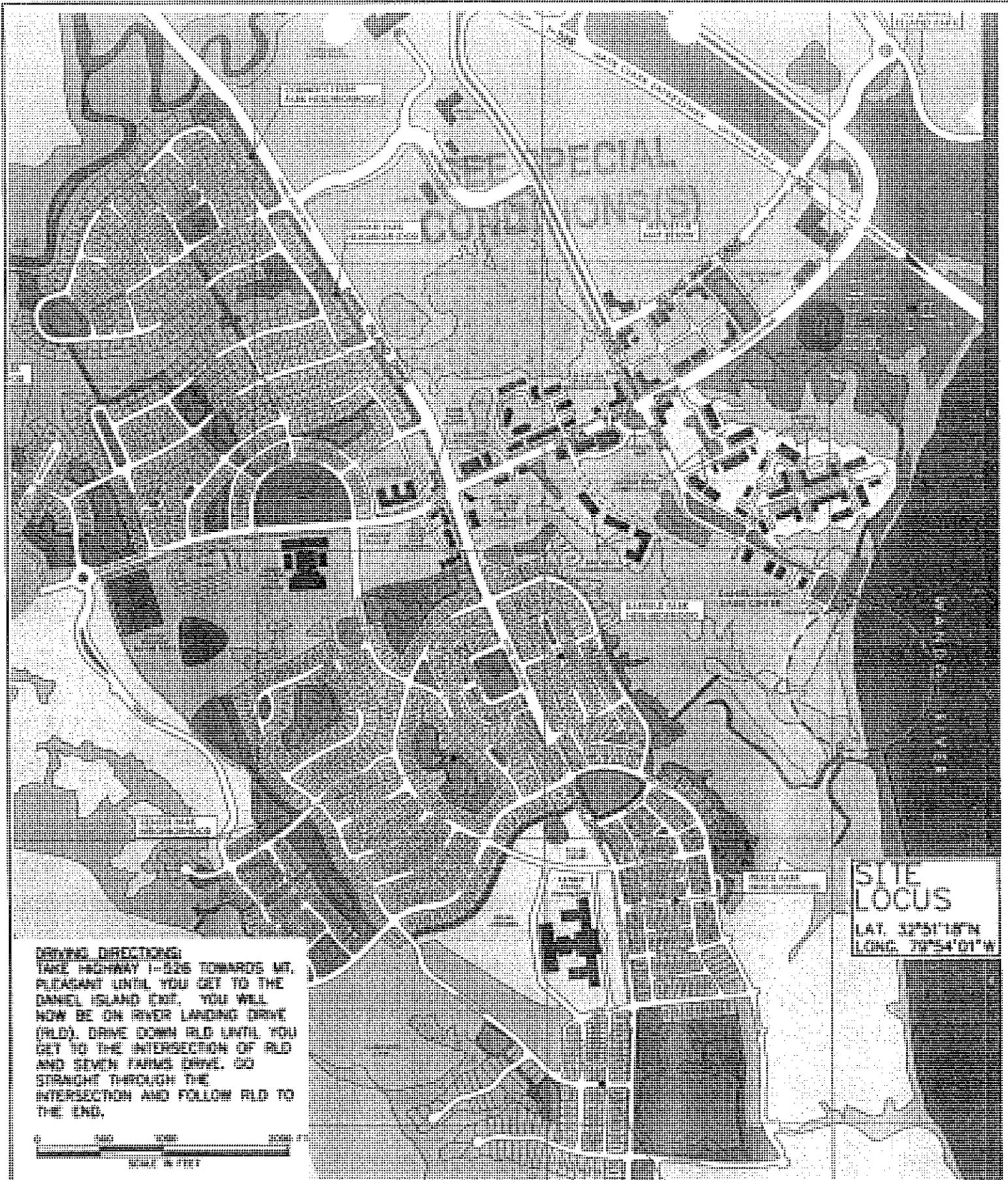
VICINITY
MAP

USGS QUADRANGLE
MAP # 32079-G8-TF-024
1:25000

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007





DRIVING DIRECTIONS:
 TAKE HIGHWAY I-95 TOWARDS MT. PLEASANT UNTIL YOU GET TO THE DANIEL ISLAND EXP. YOU WILL NOW BE ON RIVER LANDING DRIVE (RLD). DRIVE DOWN RLD UNTIL YOU GET TO THE INTERSECTION OF RLD AND SEVEN FARMS DRIVE. GO STRAIGHT THROUGH THE INTERSECTION AND FOLLOW RLD TO THE END.



SUE LOCUS
 LAT. 32°51'18"N
 LONG. 78°54'01"W

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

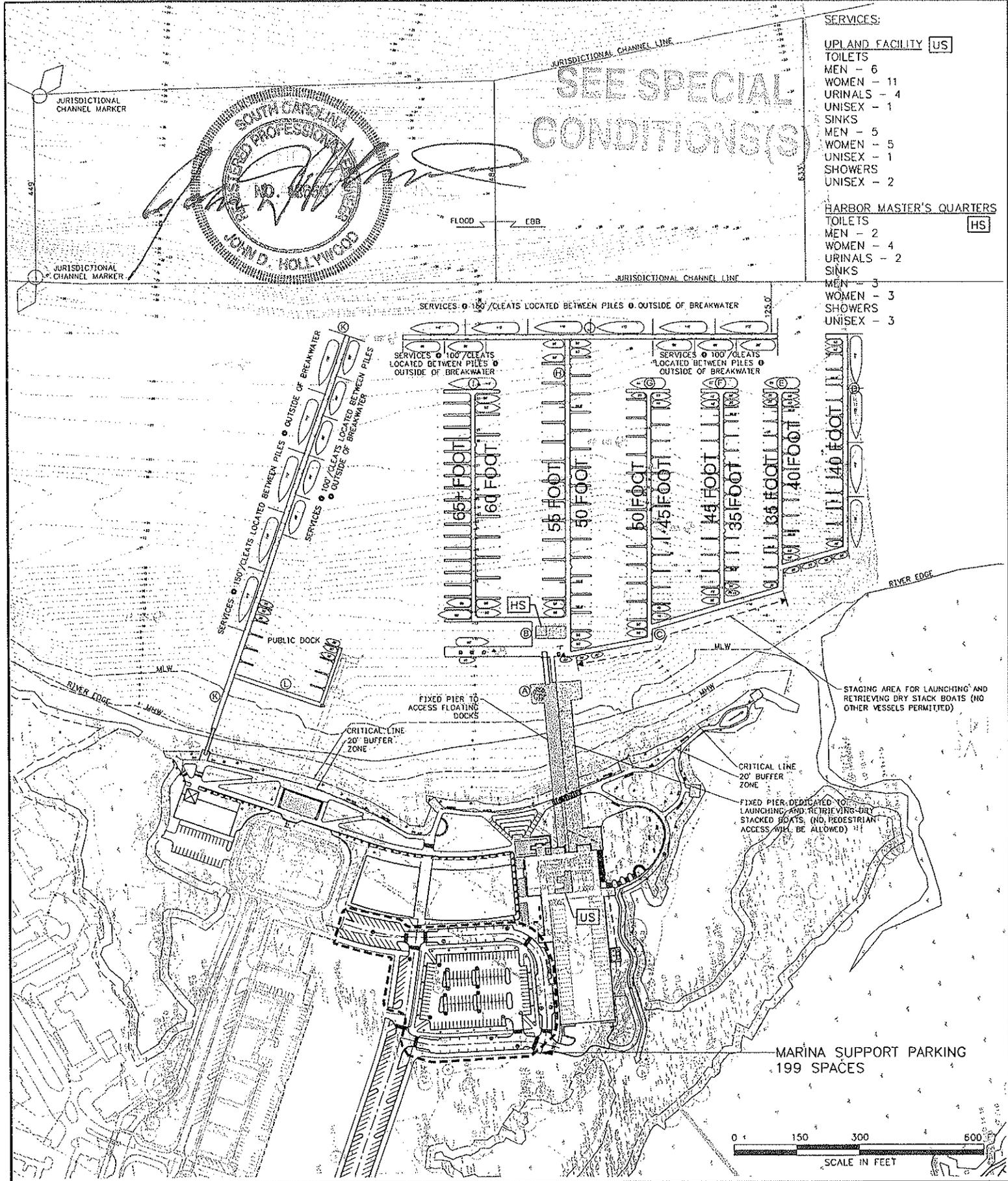
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COUNTY ROAD MAP

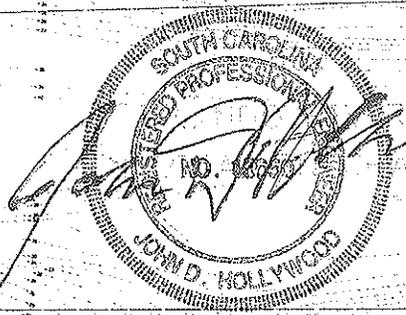
PROPOSED MARINA PLAN IN: WANDO RIVER AT: DANIEL ISLAND COUNTY: BERKELEY, SC APPLICANT: DANIEL ISLAND COMPANY DATE: FEBRUARY 2007



SHEET 2 OF 22



SEE SPECIAL
CONDITIONS



- SERVICES:
- UPLAND FACILITY **US**
 - TOILETS
 - MEN - 6
 - WOMEN - 11
 - URINALS - 4
 - UNISEX - 1
 - SINKS
 - MEN - 5
 - WOMEN - 5
 - UNISEX - 1
 - SHOWERS
 - UNISEX - 2
- HARBOR MASTER'S QUARTERS **HS**
- TOILETS
 - MEN - 2
 - WOMEN - 4
 - URINALS - 2
 - SINKS
 - MEN - 3
 - WOMEN - 3
 - SHOWERS
 - UNISEX - 3

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

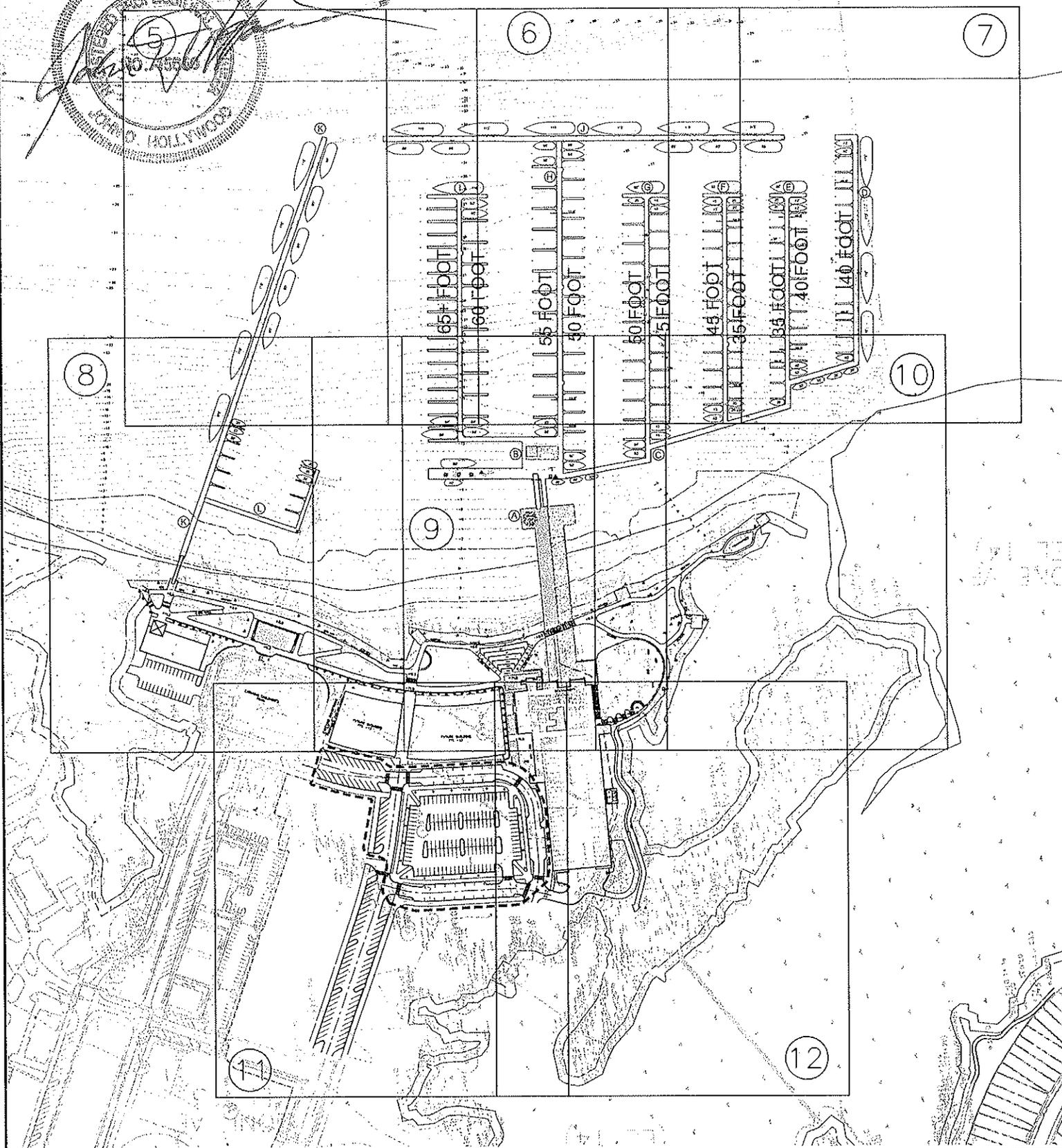
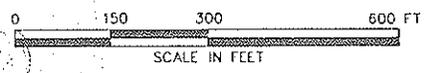
PROPOSED MARINA
FULL PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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 MTL=0.67' (2.70')

PROPOSED MARINA KEY PLAN

PROPOSED MARINA PLAN IN: WANDO RIVER

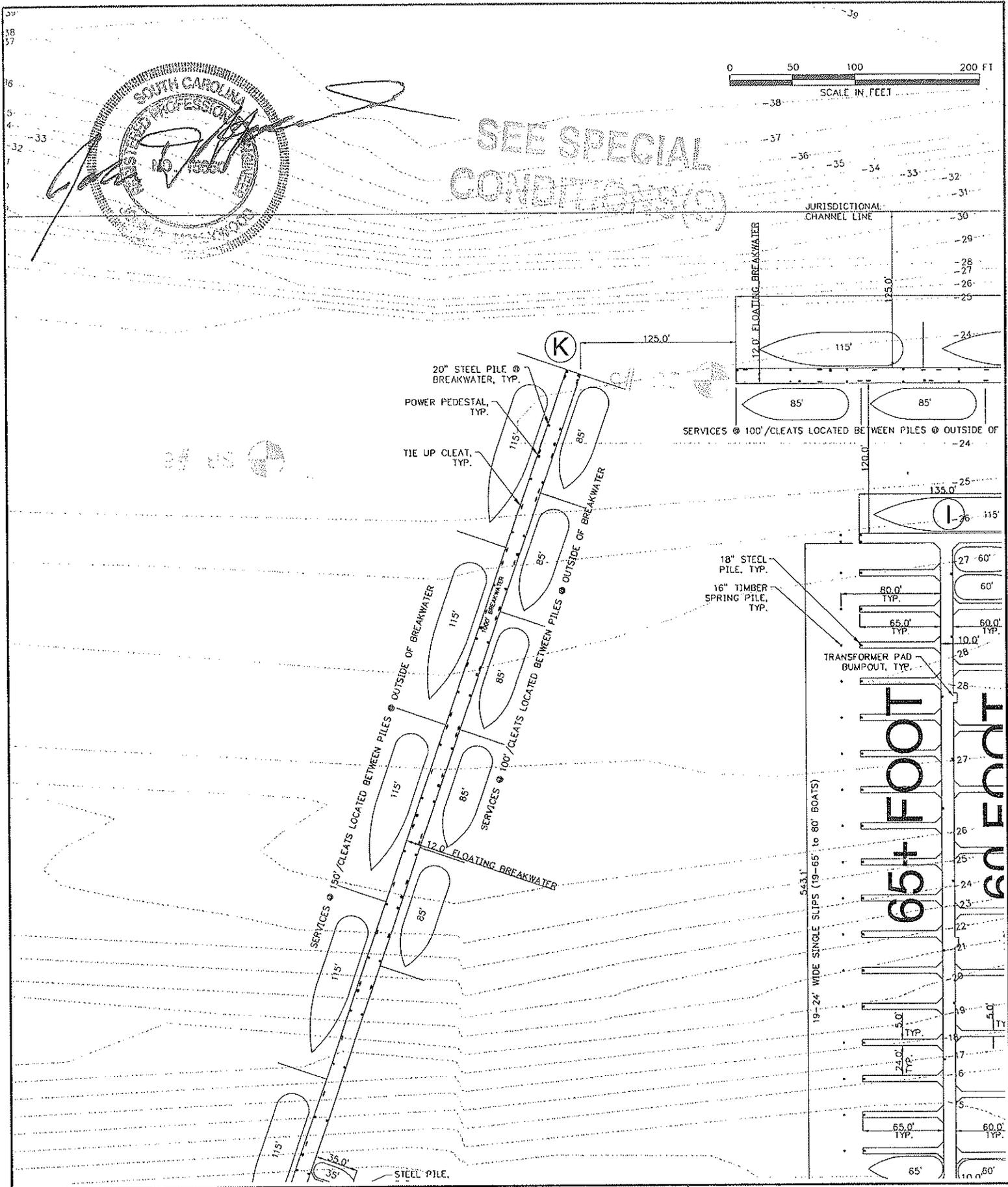
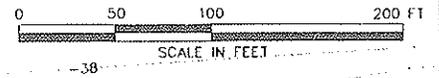
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

SHEET 4 OF 22





SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

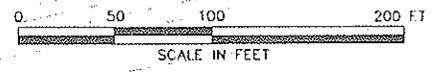
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 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

PROPOSED MARINA PLAN VIEW

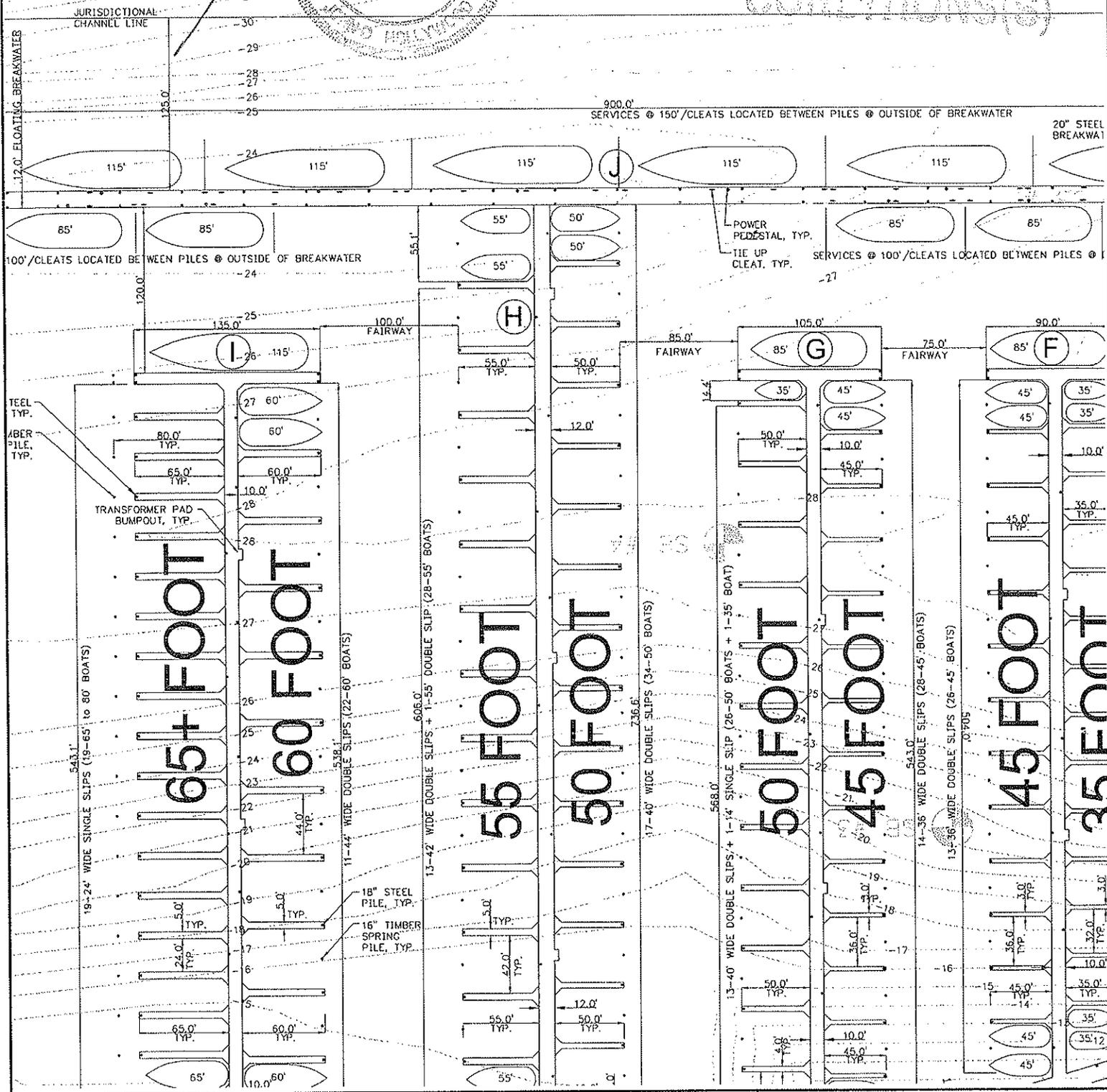
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007





SEE SPECIAL
CONDITIONS (S)



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

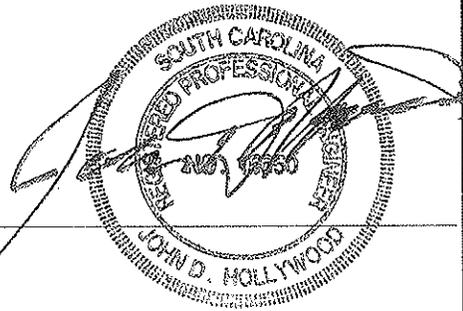
PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

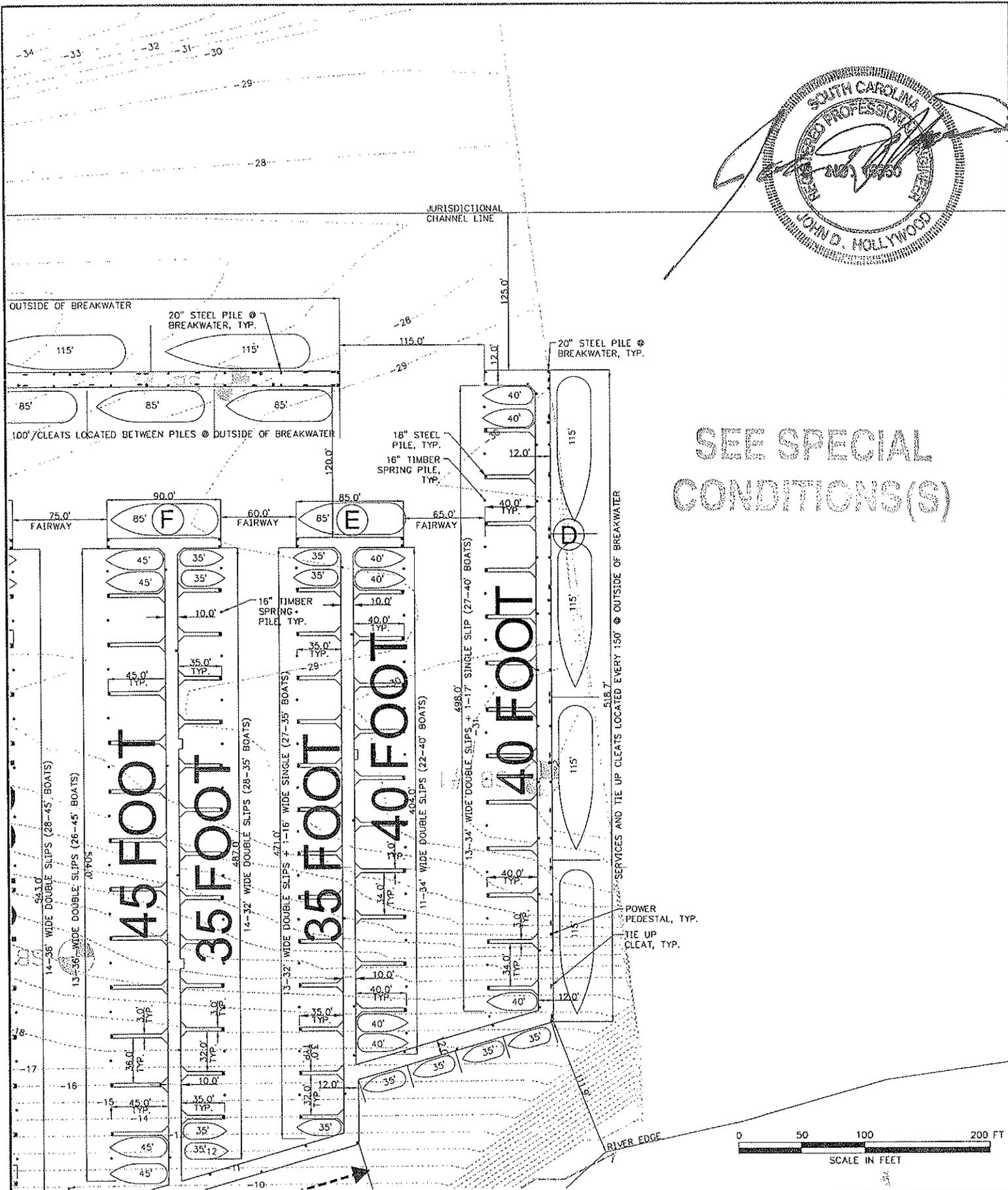
DATUM: NGVD29 (MLW)
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AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007





SEE SPECIAL
CONDITIONS(S)



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



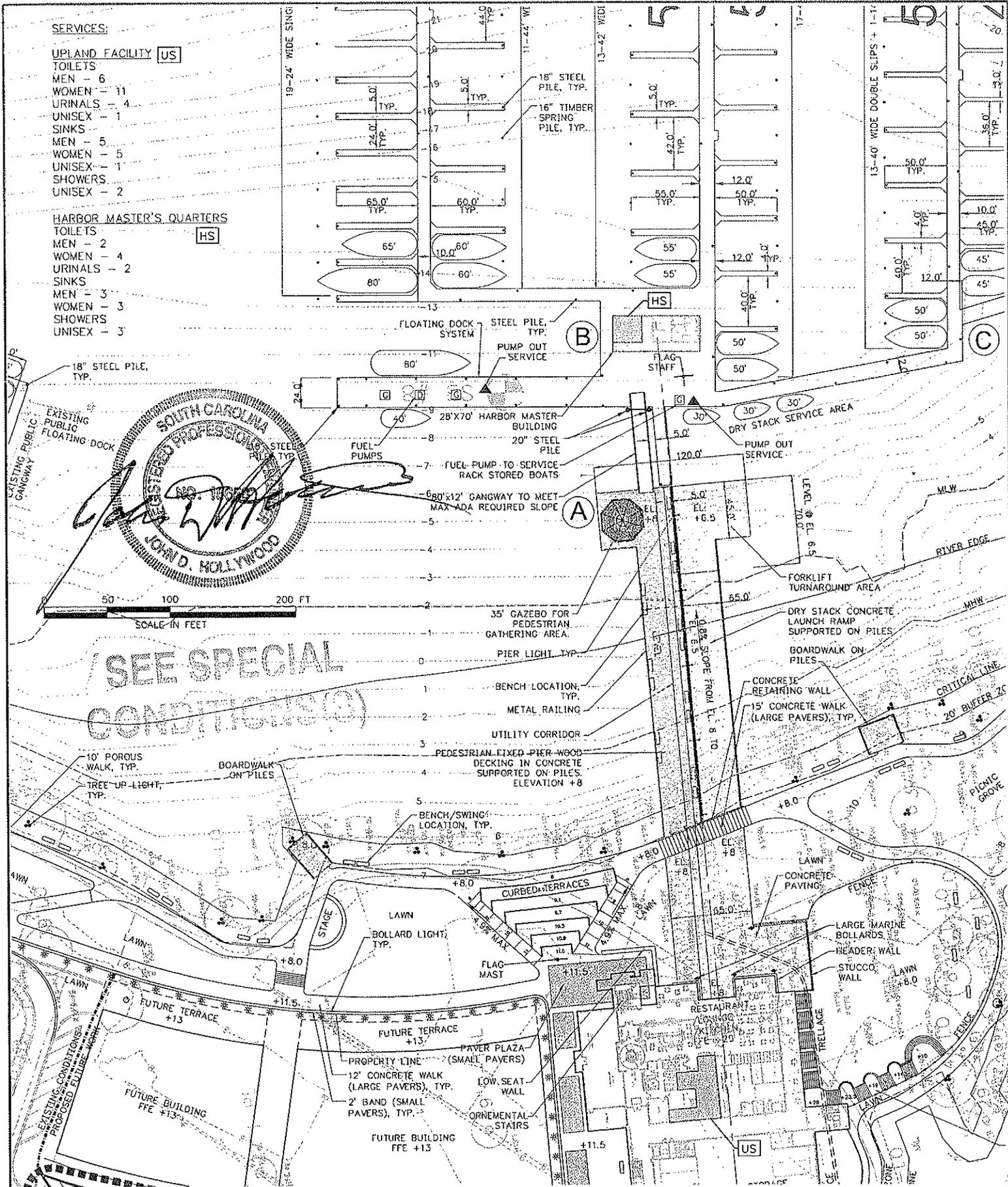
SERVICES:

UPLAND FACILITY [US]

- TOILETS
- MEN - 6
- WOMEN - 11
- URINALS - 4
- UNISEX - 1
- SINKS
- MEN - 5
- WOMEN - 5
- UNISEX - 1
- SHOWERS
- UNISEX - 2

HARBOR MASTER'S QUARTERS [HS]

- TOILETS
- MEN - 2
- WOMEN - 4
- URINALS - 2
- SINKS
- MEN - 3
- WOMEN - 3
- SHOWERS
- UNISEX - 3



SEE SPECIAL CONDITIONS

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)

MHH=3.72' (5.75') MLW = -2.03' (-0.00')

MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')

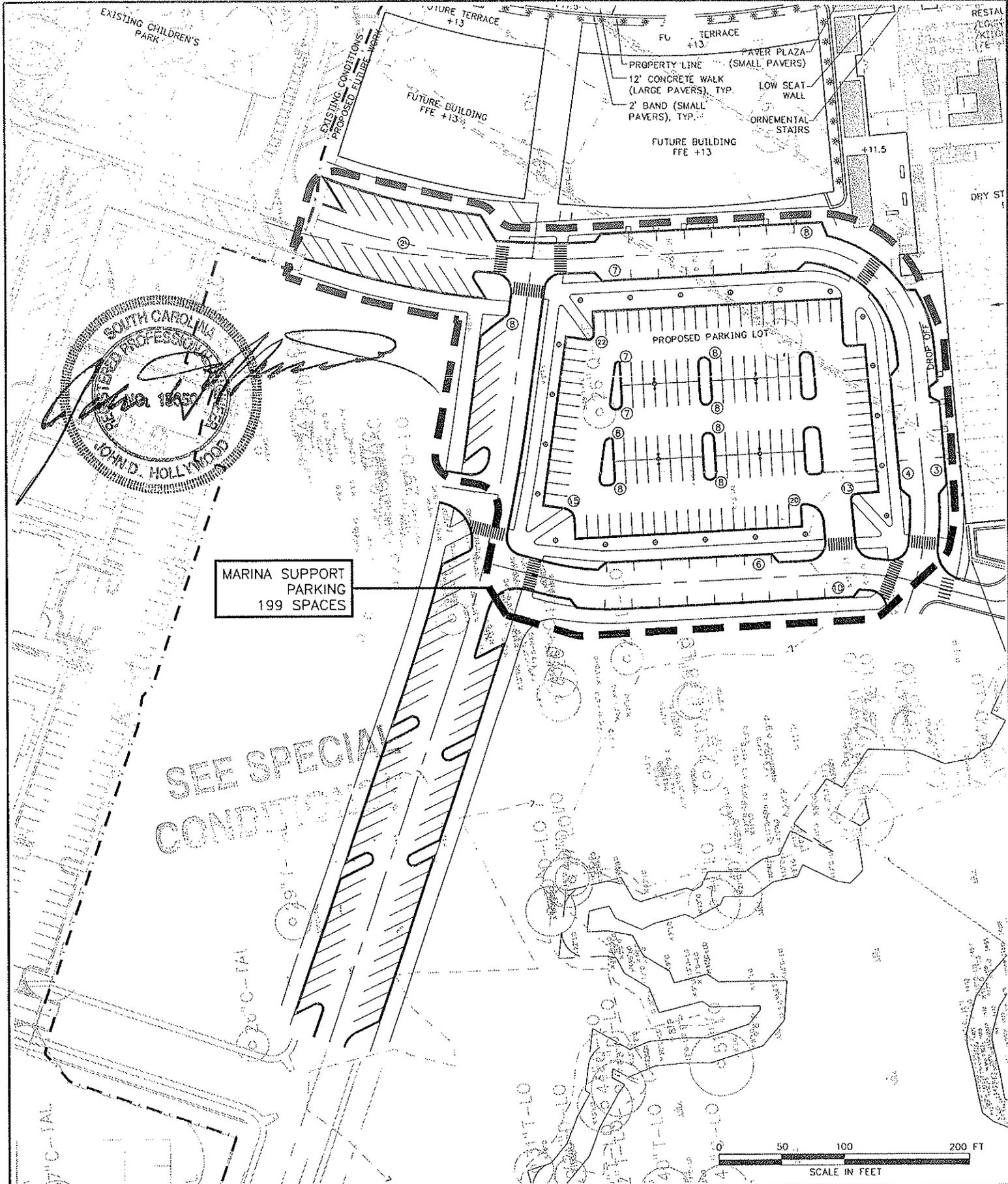
MTL = 0.67' (2.70')

PROPOSED MARINA
PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007





MARINA SUPPORT
PARKING
199 SPACES

SEE SPECIAL
CONDITIONS

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

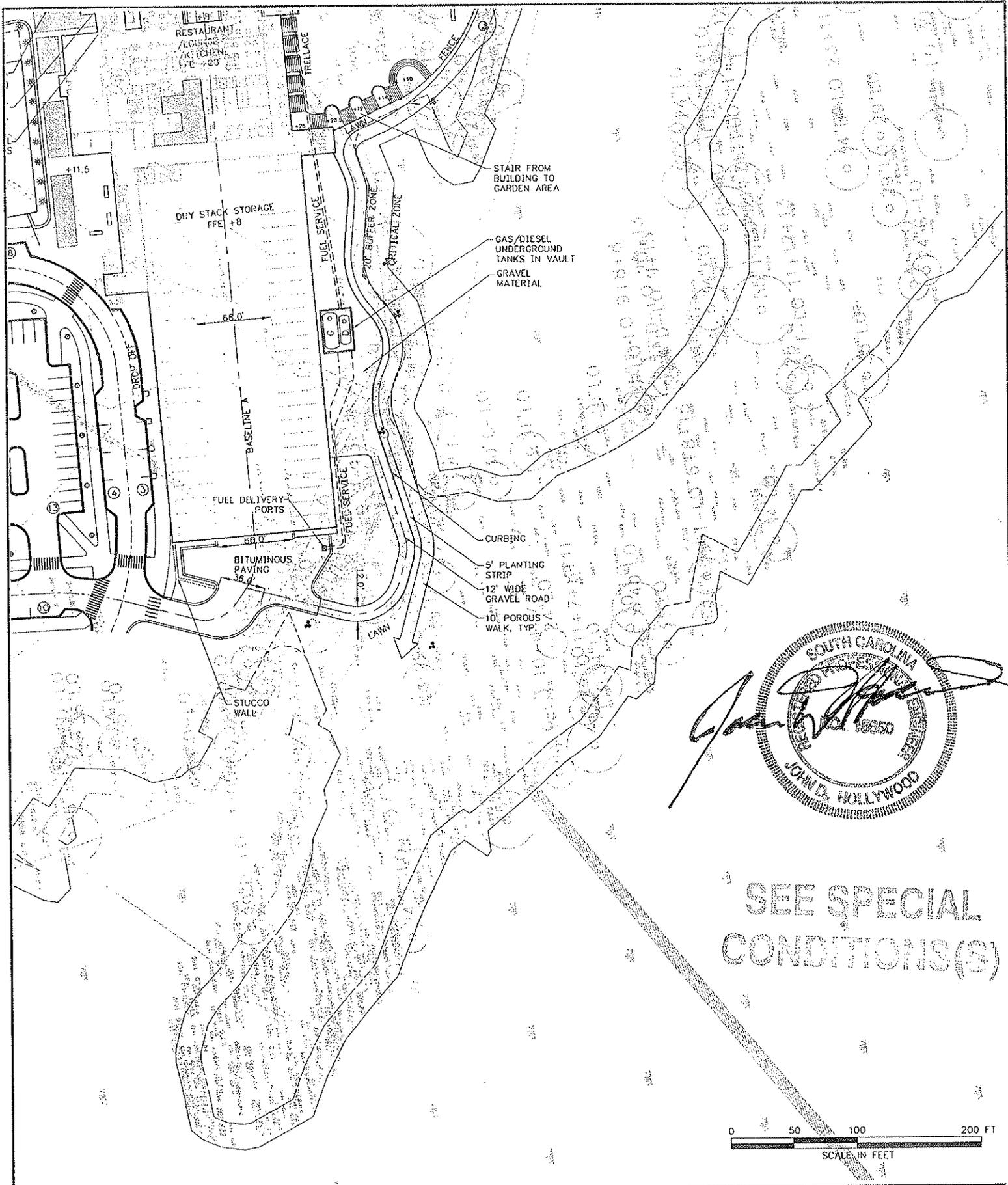
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007





John D. Hollywood

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
19858
JOHN D. HOLLYWOOD

SEE SPECIAL
CONDITIONS(S)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA
PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



SEE SPECIAL
CONDITIONS



WET SLIPS AND DRY RACK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
DRY STACK:								
UP TO 30' IN DRY STORAGE	10'-12'	208	-	-	-	-	-	-
DESIGNATED WET SLIPS W/ FINGER PIERS:								
35'	13'	56	32'	3'	60'	DOUBLE	0.175	30A/30A-125V
40'	14.5'	49	34'	3'	65'	DOUBLE	0.153	30A/30A-125V
45'	16'	54	36'	3'	75'	DOUBLE	0.165	50A-125/250V
50'	18'	60	40'	4'	85'	DOUBLE	0.187	50A/50A-125/250V
55'	19'	28	42'	5'	100'	DOUBLE	0.087	50A/50A-125/250V
60'	20'	22	44'	5'	100'	DOUBLE	0.069	50A/50A-125/250V
65'+	21'	19	25'	5'	--	SINGLE	0.059	50A/50A-125/250V
DESIGNATED WET SLIPS W/ SIDE TIE MOORING:								
LARGE YACHTS, 85'-110'	25'	13	-	@ 12' BREAKWATER	--	PARALLEL	0.041	50A/50A-125/250V
85'-110' BOATS AT INSIDE OF BREAKWATERS AND END OF SLIP PIERS. SERVICES & TIE UPS EVERY 100'								
MEGA YACHTS, 115' AND 150'	27'	16	-	@ 12' BREAKWATER	--	PARALLEL	0.050	CUSTOM
115'+ AT OUTSIDE OF BREAKWATERS. SERVICES & TIE UPS EVERY 150'								
35'	13'	4	-		--	PARALLEL	0.013	30A/30A-125V
35' AT DOCK BETWEEN PIER E AND BREAKWATER 3. SERVICES & TIE UPS EVERY 40'.								

TOTAL: 321

PUBLIC DOCK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
DESIGNATED WET SLIPS W/ FINGER PIERS:								
35'	13'	20	32'	3'	145'	DOUBLE	1.00	30A/30A-125V

TOTAL WET: 20

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

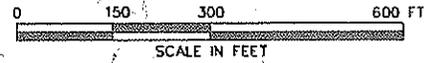
DATUM: NGVD29 (MLW)
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PROPOSED MARINA
BOATING MIX

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



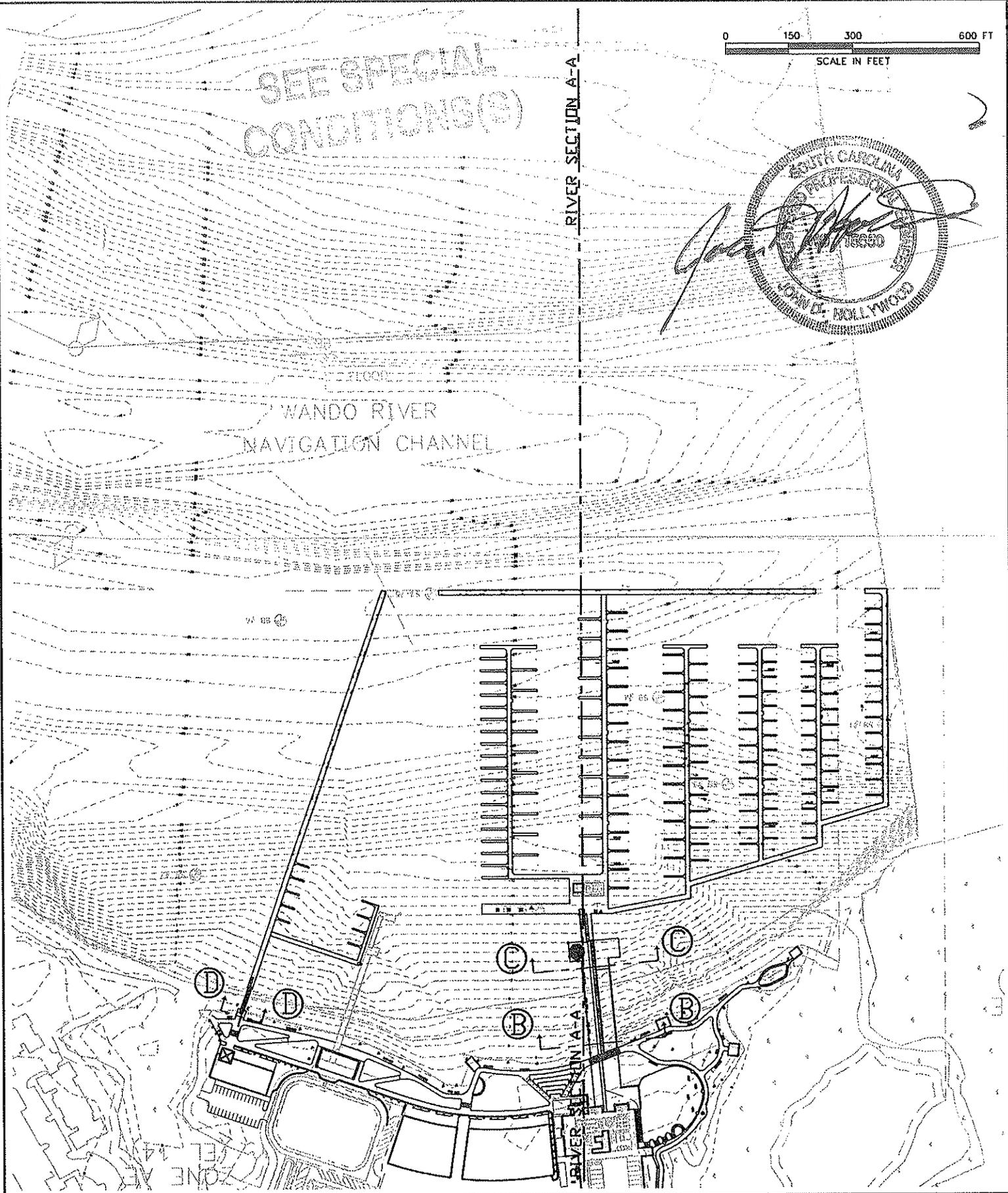


SEE SPECIAL
CONDITIONS (C)

RIVER SECTION A-A



WANDO RIVER
NAVIGATION CHANNEL



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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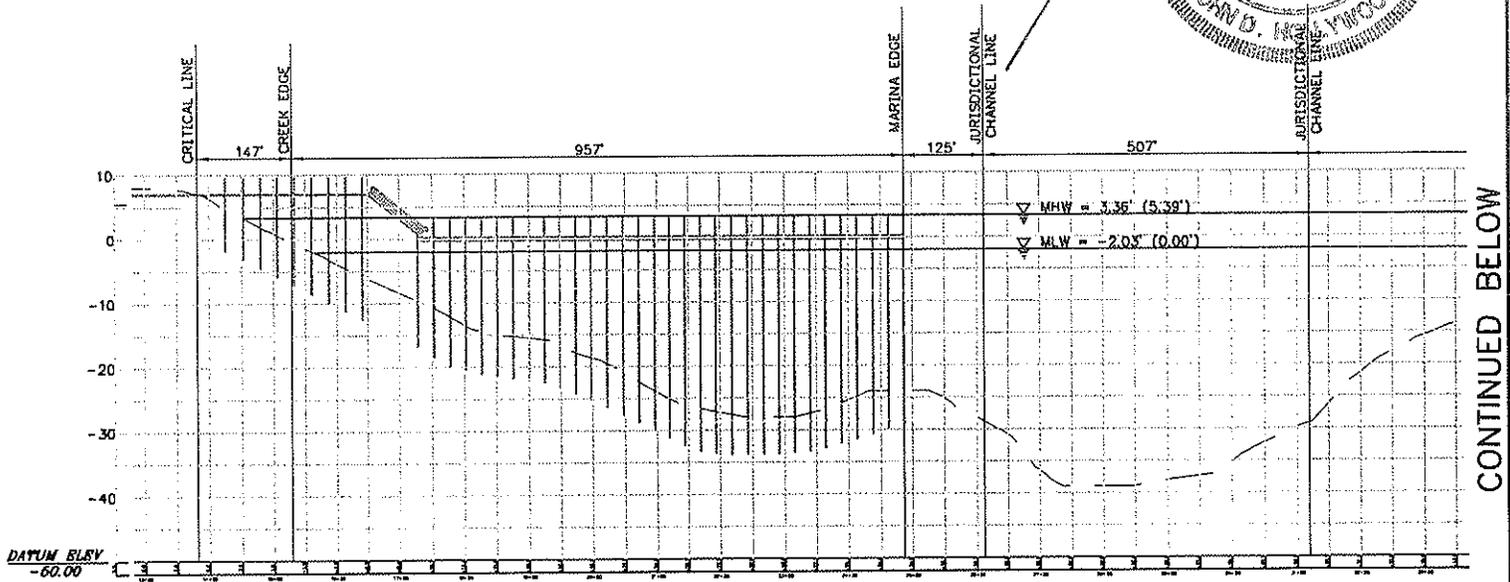
PROPOSED MARINA
REFERENCE PLAN
FOR SECTIONS

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

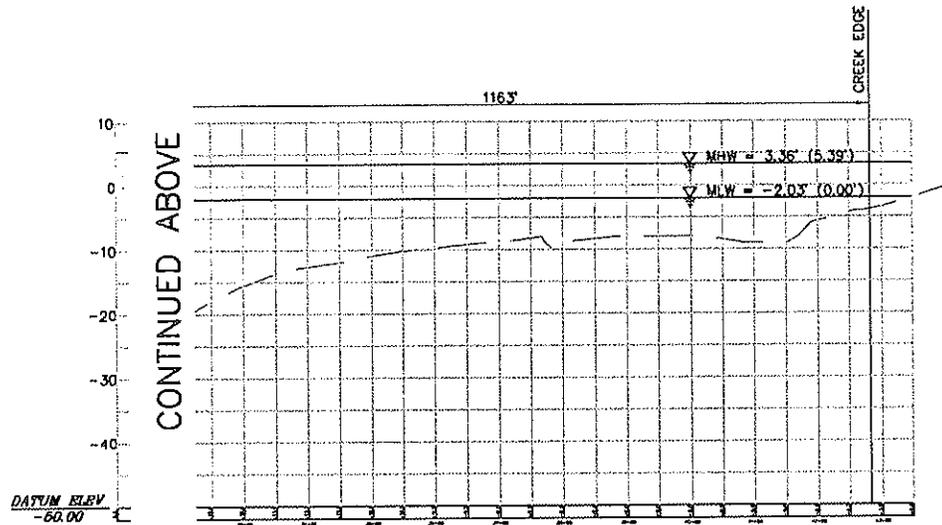
SHEET 14 OF 22

SEE SPECIAL
CONDITIONS (3)



CONTINUED BELOW

HORIZONTAL 1:250
VERTICAL 1:25



CONTINUED ABOVE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

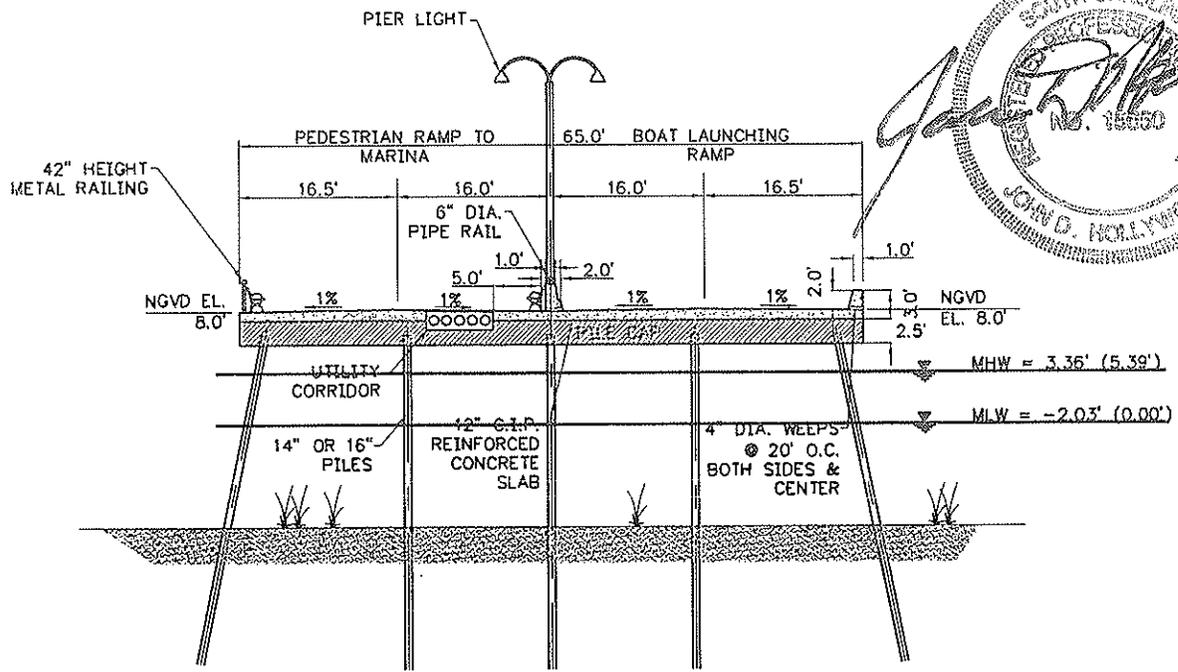
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PROPOSED MARINA
RIVER SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

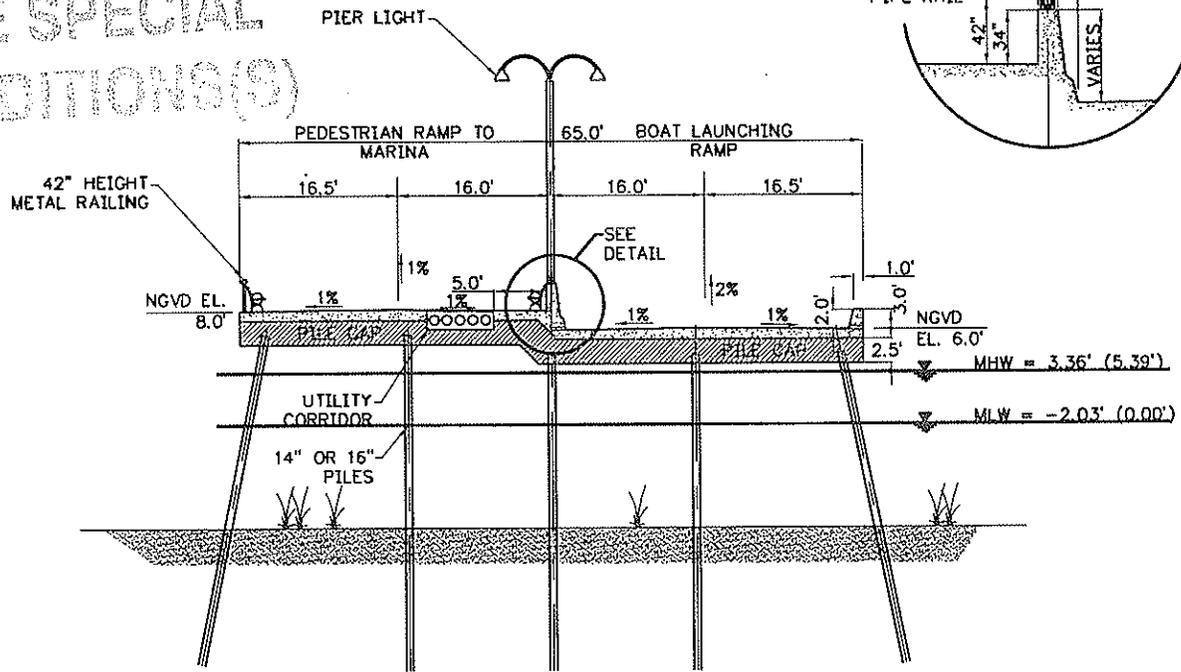
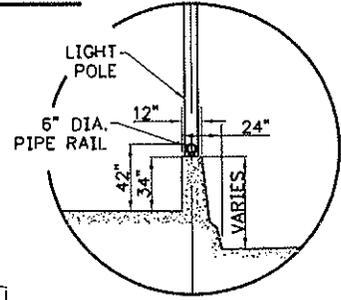
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

02/10/07



○ TYPICAL SECTION FOR FIXED PIER (SECTION B-B)
NOT TO SCALE

SEE SPECIAL
CONDITIONS(S)



○ TYPICAL SECTION FOR FIXED PIER (SECTION C-C)
NOT TO SCALE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

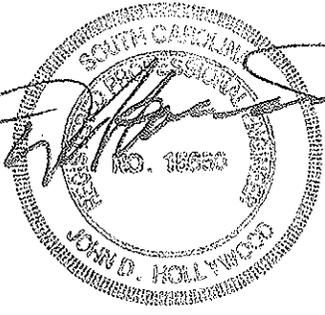
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

PROPOSED MARINA PIER SECTIONS

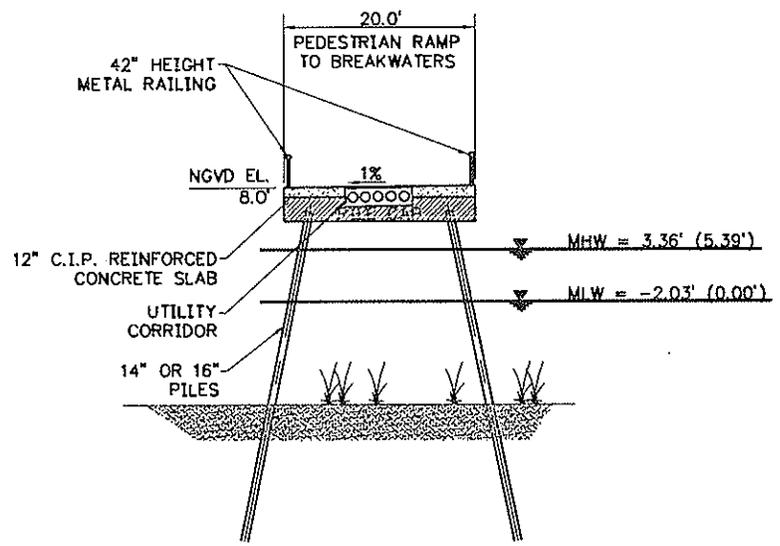
DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

PROPOSED MARINA PLAN IN: WANDO RIVER
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

John D. Hollywood



SEE SPECIAL
CONDITIONS (3)



○ TYPICAL SECTION FOR NORTH END FIXED PIER (SECTION D-D)
NOT TO SCALE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

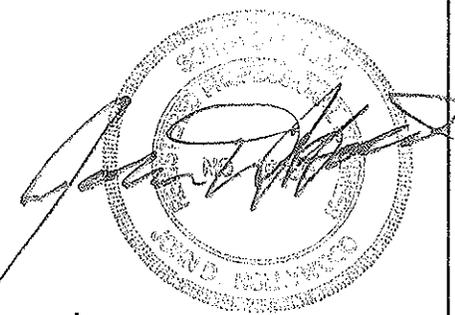
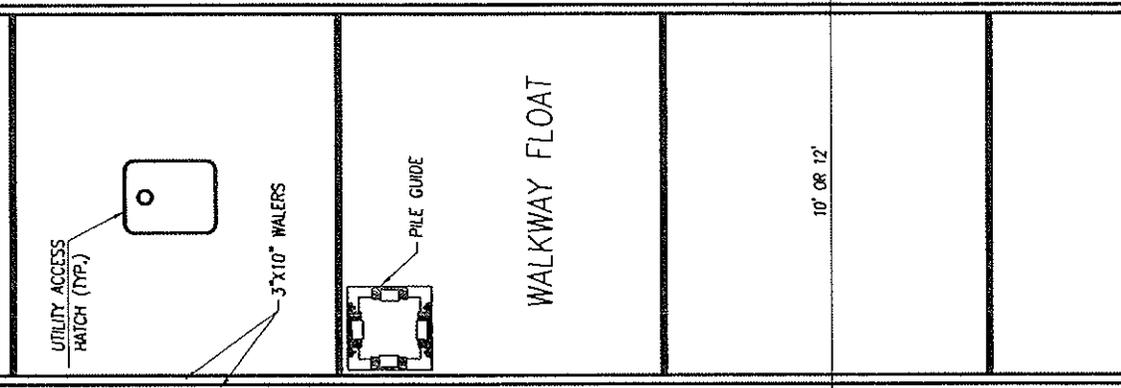
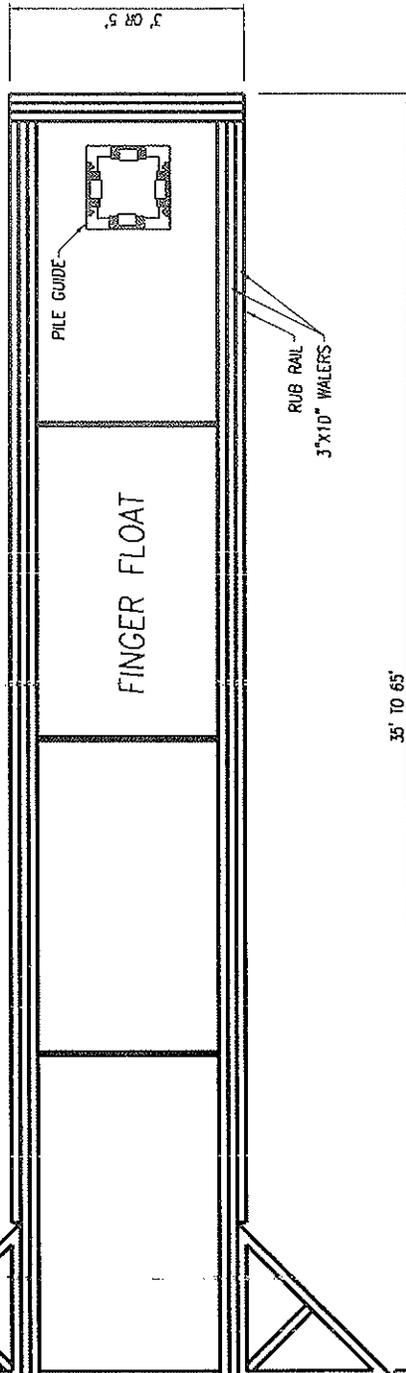
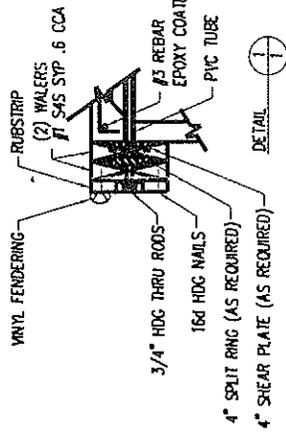
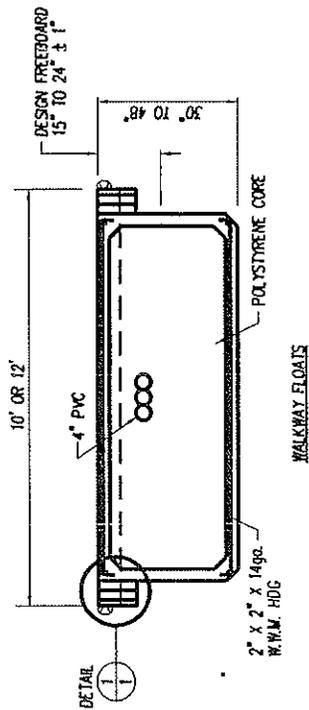
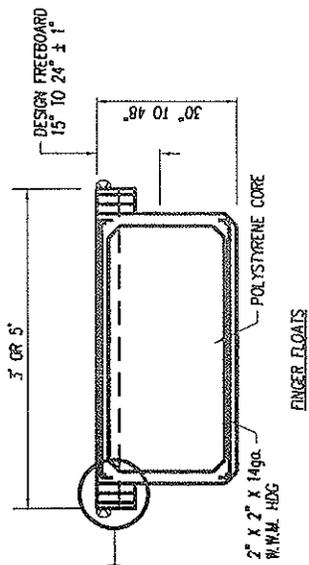
DATUM: NGVD29 (MLW)
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PROPOSED MARINA
NORTH PIER SECTION

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

01/20/07



SEE SPECIAL
CONDITIONS (2)

TYPICAL FLOATING DOCK DETAILS
N.T.S.

NOTE: UTILITY HATCHES ARE TO BE LOCATED
NEAR EACH OF THE POWER PEDESTALS.

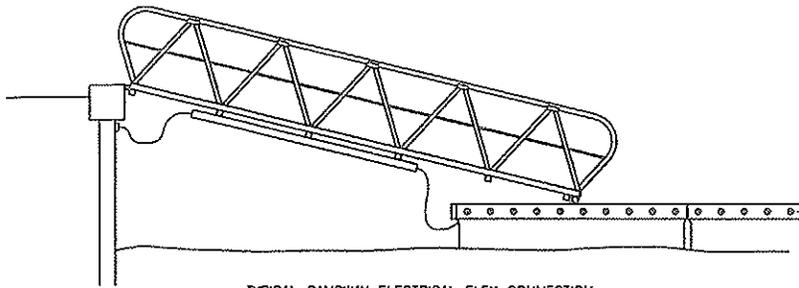
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

PROPOSED MARINA DETAILS

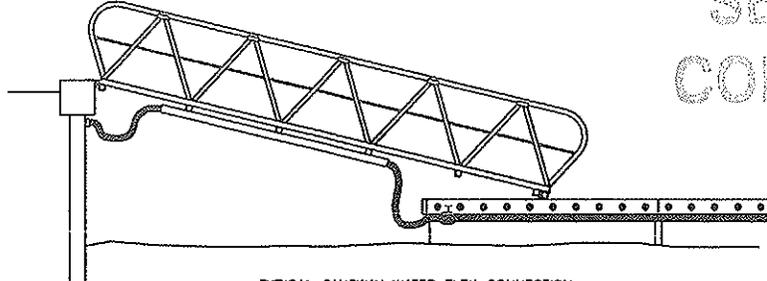
PROPOSED MARINA PLAN IN: WANDO RIVER

DATUM: NGVD29 (MLW)
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MTL=0.67' (2.70')

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007



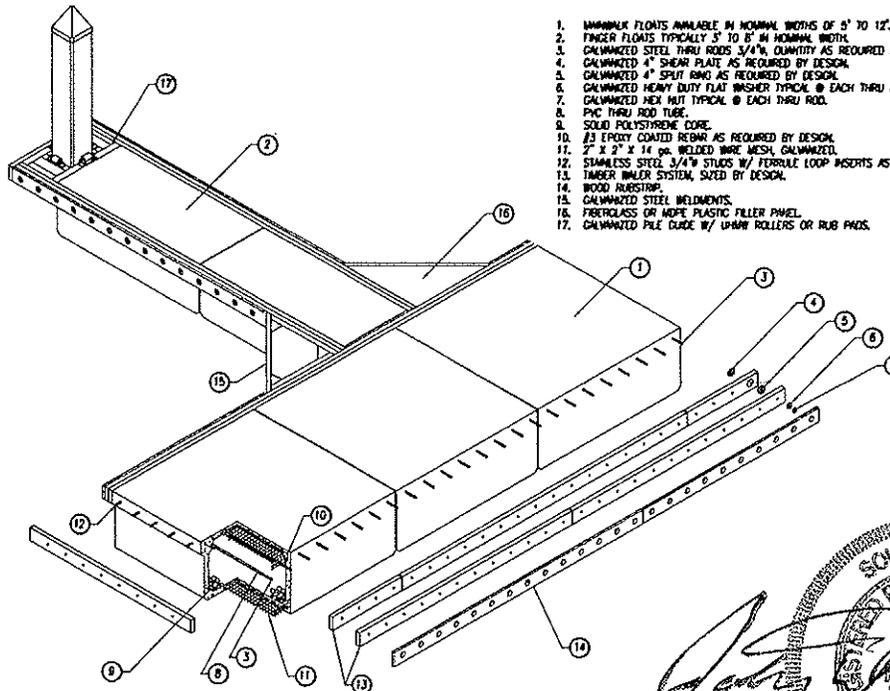
TYPICAL GANGWAY ELECTRICAL FLEX CONNECTION



TYPICAL GANGWAY WATER FLEX CONNECTION

SEE SPECIAL
CONDITIONS(S)

○ TYPICAL GANGWAY CONNECTIONS
N.T.S.



1. DIMENSIONAL FLOATS AVAILABLE IN NOMINAL WIDTHS OF 5' TO 12'.
2. FINGER FLOATS TYPICALLY 5' TO 6' IN NOMINAL WIDTH.
3. GALVANIZED STEEL THRU RODS 3/4" DIA. QUANTITY AS REQUIRED BY DESIGN.
4. GALVANIZED 4" SHEAR PLATE AS REQUIRED BY DESIGN.
5. GALVANIZED 4" SPLIT ROD AS REQUIRED BY DESIGN.
6. GALVANIZED HEAVY DUTY FLAT WASHER TYPICAL @ EACH THRU ROD.
7. GALVANIZED HEX NUT TYPICAL @ EACH THRU ROD.
8. PVC THRU ROD TUBE.
9. SOLID POLYSTYRENE CORE.
10. 23 EPOXY COATED REBAR AS REQUIRED BY DESIGN.
11. 2" X 2" X 14 ga. WELDED WIRE MESH, GALVANIZED.
12. STAINLESS STEEL 3/4" STUDS W/ FERRULE LOOP INSERTS AS REQUIRED.
13. TIMBER BALER SYSTEM, SIZED BY DESIGN.
14. WOOD FLUSTRIP.
15. GALVANIZED STEEL WELDMENTS.
16. FIBERGLASS OR MOPE PLASTIC FILLER PANEL.
17. GALVANIZED PILE GUIDE W/ UPRAW ROLLERS OR RUB PAIDS.

○ TYPICAL DOCK CONSTRUCTION
N.T.S.



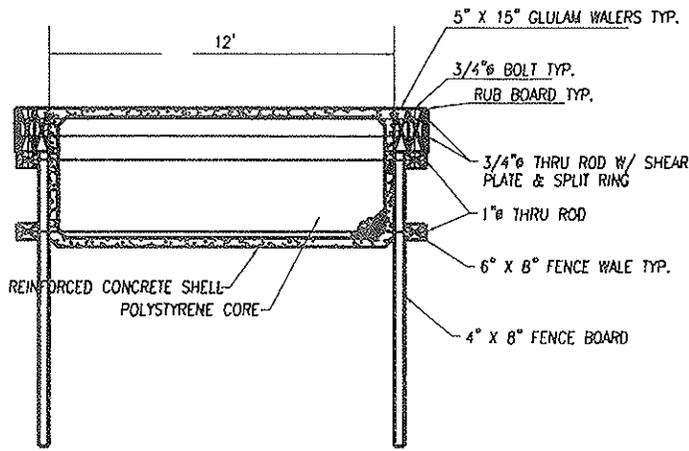
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA
DETAILS

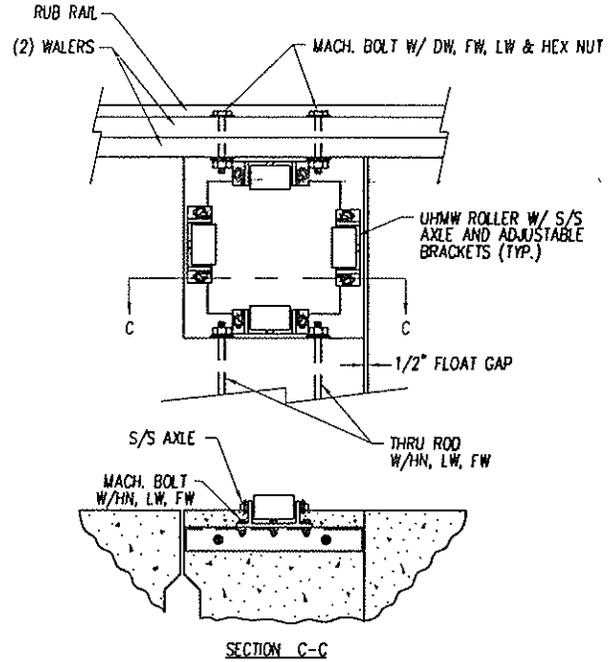
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

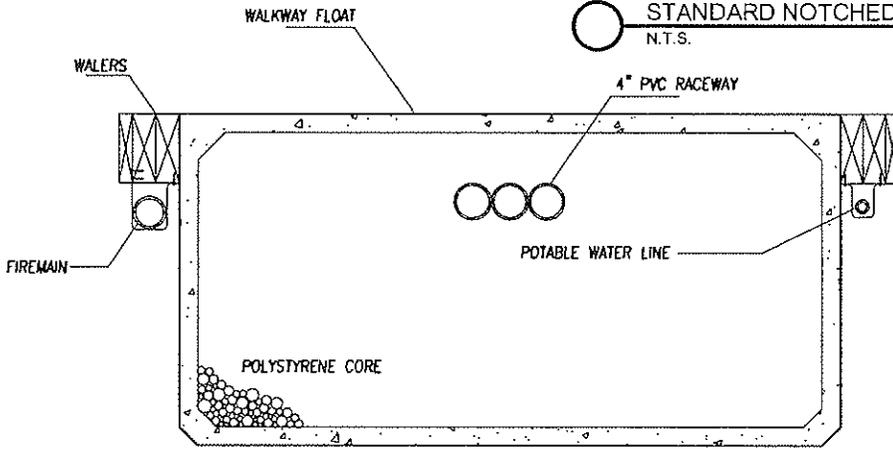


SEE SPECIAL
CONDITIONS(S)

○ TYPICAL WAVE ATTENUATOR FLOAT W/ FENCE (BREAKWATER)
N.T.S.



○ STANDARD NOTCHED PILE GUIDE
N.T.S.



○ TYPICAL UTILITY HANGER DETAIL
N.T.S.



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

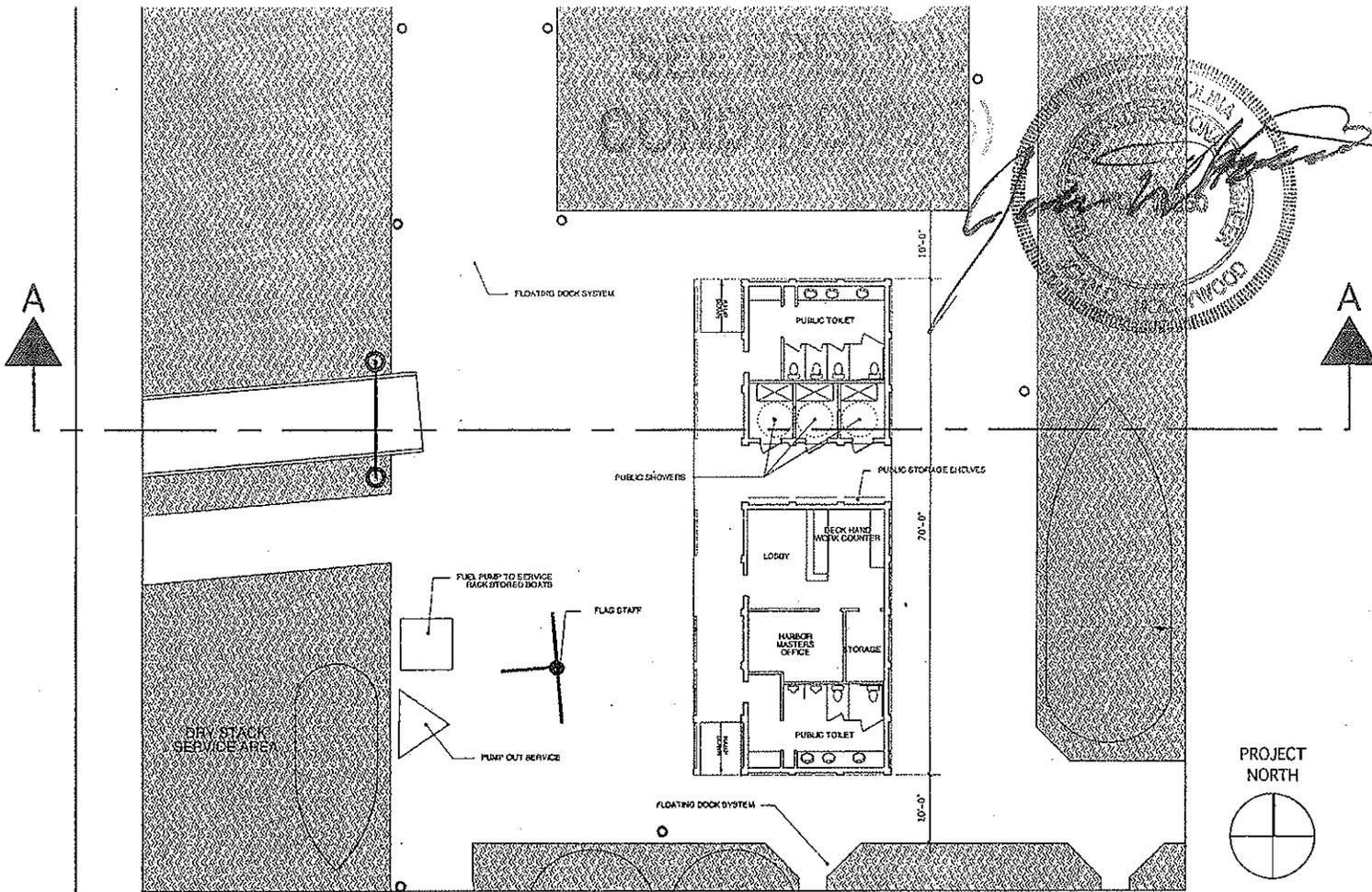
PROPOSED MARINA
DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

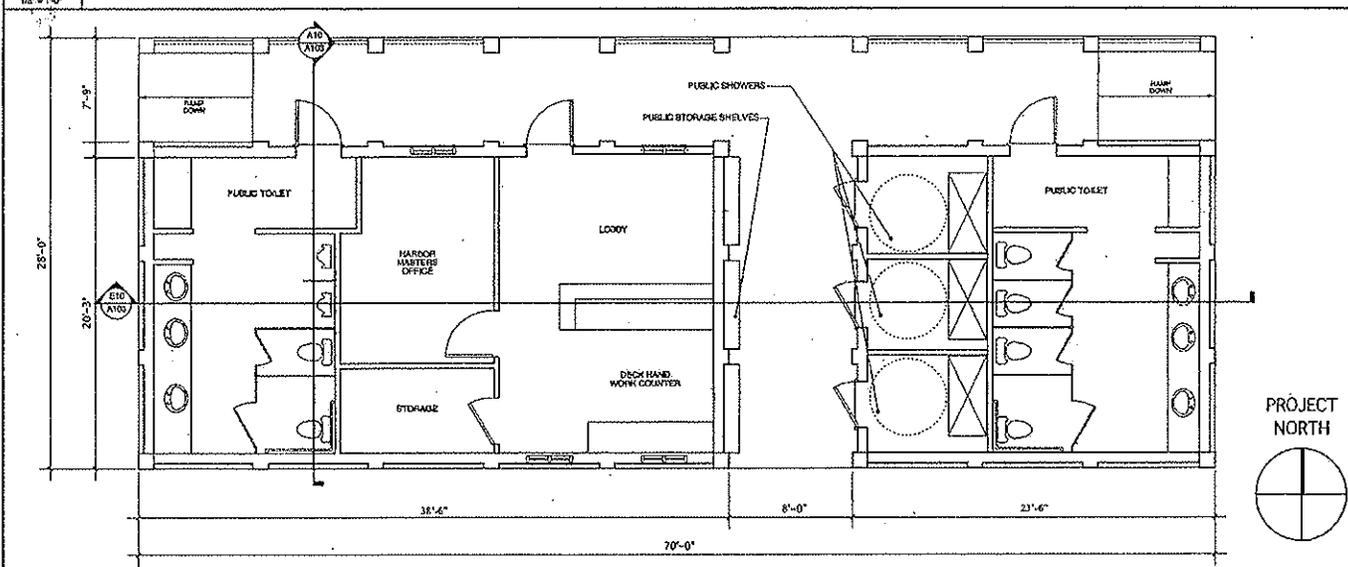
DATUM: NGVD29 (MLW)
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AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

27/09



G1 PARTIAL DOCK PLAN
1/2" = 1'-0"



A1 HARBOR MASTER BUILDING PLAN
1/4" = 1'-0"

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)

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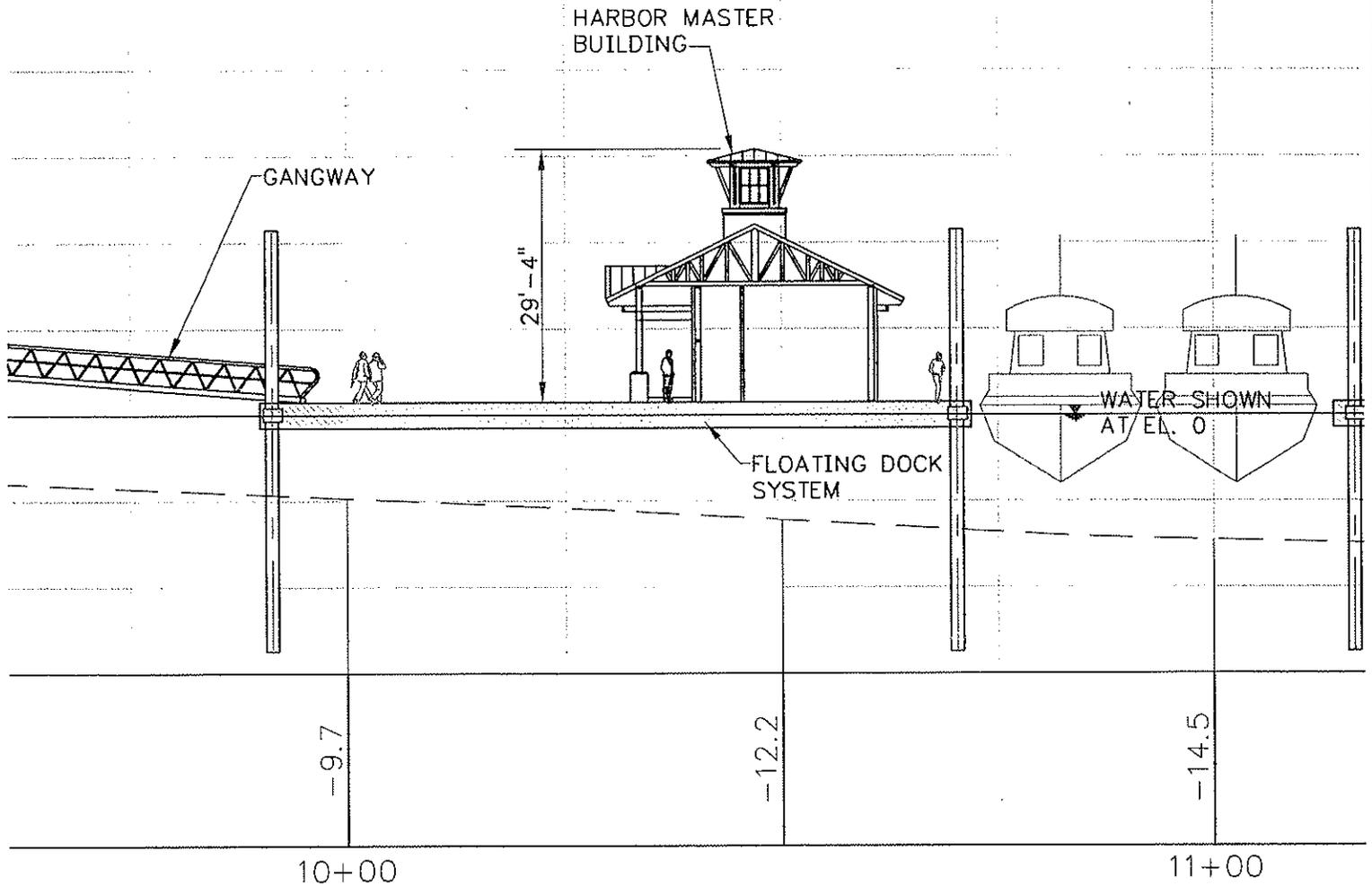
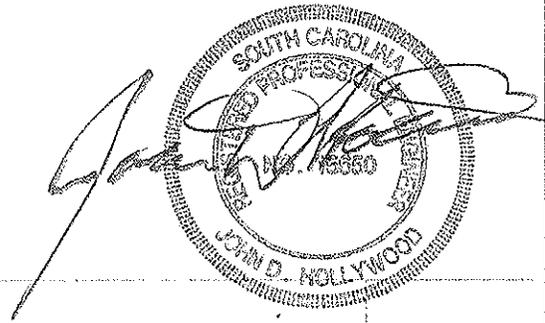
PROPOSED MARINA HARBOR MASTER BUILDING-PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

2.8/09

SEE SPECIAL
CONDITIONS(S)



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)

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PROPOSED MARINA
HARBOR MASTER
BUILDING SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

SHEET 22 OF 22

29/09



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

May 2, 2012

William J. McKenzie
230 Seven Farms Drive, Suite 201
Charleston, SC 29492

Re: P/N# 2007-407-2IG-P
The Daniel Island Company

Dear Mr. McKenzie:

The Department has reviewed your inquiry concerning the above-referenced commercial marina and an upland dry stack facility permit, (Permit# 2007-407-2IG-P), and our records show that this permit is still active. The original expiration date shown on this permit is July 9, 2012.

This permit is captured under H4445. Specifically this new law (H4445) grants automatic extensions of the life of permits that were issued by state agencies such as SCDHEC, SCDOT, etc. as well as local governments and were active and valid at any point after January 1, 2008.

The new law granting automatic extensions of the life of permits that were issued by state agencies applies to your dock permit because it was still active as of January 1, 2008. It is not necessary to submit an extension request as the extension under the new law is automatic. Also, there is no additional fee required.

This new law essentially extends permits an additional five years beyond the expiration date. The new expiration date for your dock permit, (Permit# 2007-407-2IG-P), is July 9, 2017. Please call me at 953-0235 if you have any questions.

Sincerely,

Steven Brooks
Senior Regulatory Project Manager
Regulatory Programs Division

The Daniel Island C O M P A N Y

RECEIVED
MAY 1 2012
DI/EC - DCIM
CHARLESTON OFFICE

May 1, 2012

Mr. Steve Brooks
Wetland Project Manager
1362 McMillan Ave.
Suite 400
Charleston, SC 29405

RE: P/N 2007-407-2IG-P

Dear Steve,

I am writing in regard to the above referenced permit for the construction of a marina in the Wando River. The permit was issued July 9 , 2007. It is our understanding the pursuant to the Permit Extension Joint Resolution of 2010 - H.4445, the tolling period for this permit began January 1, 2008 and restarts on January 1, 2013. Based on the above, we request that you confirm in writing the revised expiration date is January 1, 2018.

Thank you in advance your cooperation. If you need any additional information, please do not hesitate to call at 971-3527.

Sincerely,



William J. McKenzie
VP Development



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
CHARLESTON, SOUTH CAROLINA 29403-5107

February 6, 2009

Regulatory Division

The Daniel Island Company
Mr. Bill McKenzie
c/o Newkirk Environmental, Inc.
Attn: Mr. Kenneth Hance
Post Office Box 746
Mt. Pleasant, South Carolina 29465

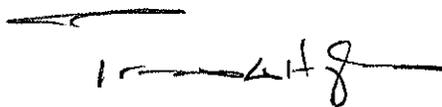
Dear Mr. McKenzie:

This is in response to your application requesting a Department of the Army permit.

Enclosed is your Department of the Army permit 2007-407-2IG. It authorizes you to perform the work specified on the attached drawings. This permit is issued under the provisions of the Federal laws for the protection and preservation of the navigable waters of the United States.

Please notify this office promptly, in writing, when you start and complete the work. The enclosed cards may be used for that purpose. You should also be aware that a special condition has been included in this permit which requires that a copy of the permit and drawings must be available at the work site during the entire time of construction.

Respectfully,


for Tina B. Hadden
Chief, Regulatory Division

Enclosures



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69 A Hagood Avenue
CHARLESTON, SOUTH CAROLINA 29403-5107

REGULATORY DIVISION

TO WHOM IT MAY CONCERN:

In issuing this permit, this office has acted with reliance on the plans which you submitted. As you proceed with your project, please exercise every caution to ensure the work is performed exactly as shown on the approved plans and specifications, as deviations of any nature are expressly prohibited without the **prior** authorization of this office.

With this in mind, you will find this office cooperative in authorizing minor deviations if they are clearly within the scope of the original permit; however, you are placed on any "**unauthorized**" deviation from the approved plans will be constructed as a violation of Federal law and, at a minimum, you will be required to submit as-built plans of any deviations. These as-built plans will have to be prepared by a registered land surveyor. You will not be required to submit as-built drawings unless an "**unauthorized**" deviation is detected by this office or such submittals are required by a special condition in the permit (i.e., certified as-built plans are commonly required for utility crossings and structures adjacent to Federal channels.) If, upon demand, you fail to provide this office with such drawings in the requisite format, this office will request the U.S. Attorney to seek appropriate civil or criminal sanctions in order to maintain the integrity of the Department of the Army permit program.

Please be assured that you will find the Corps of Engineers receptive to minor deviations from the approved plans as long as such deviations are approved **prior** to commencement of work.

NOTICE OF COMMENCEMENT OR COMPLETION
OF WORK AUTHORIZED BY PERMIT

DATE

WORK AUTHORIZED BY DEPARTMENT OF THE ARMY PERMIT 2007-407-216

DATED _____

PERFORM WORK IN _____
(WATERBODY NAME)

WAS COMMENCED
ON _____
WAS COMPLETED (DATE)

(check appropriate box)

SIGNATURE

FL 130
5 MAR. 79



NOTICE OF COMMENCEMENT OR COMPLETION
OF WORK AUTHORIZED BY PERMIT

DATE

WORK AUTHORIZED BY DEPARTMENT OF THE ARMY PERMIT 2007-407-216

DATED _____

PERFORM WORK IN _____
(WATERBODY NAME)

WAS COMMENCED
ON _____
WAS COMPLETED (DATE)

(check appropriate box)

SIGNATURE

FL 130
5 MAR. 79

DEPARTMENT OF THE ARMY PERMIT

Permittee: THE DANIEL ISLAND COMPANY
C/O BILL MCKENZIE

230 SEVEN FARMS DR., STE 201
CHARLESTON, SC 29492

Permit No: 2007-407-2IG

Issuing Office: CHARLESTON DISTRICT

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description:

The work consists of construction of a commercial marina, a dry stack facility and associated amenities to provide boat moorage and marina services to the residents of Daniel Island and members of the general public in accordance with the attached drawings entitled: **At:** Daniel Island; **County:** Berkeley, SC; **Applicant:** Daniel Island Company. Sheets 1 thru 22 of 22 dated March 2008.

Project Location:

This project is located on a water front tract of land on the west shore of the Wando River south of the I-526 bridge on Daniel Island in the City of Charleston, Berkeley County, South Carolina.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on **31 March 2014**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

SEE PAGES 4 & 5.

Further information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
- Section 404 of the Clean Water Act (33 U.S.C. 1344).
- Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

- a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



(PERMITTEE)
THE DANIEL ISLAND COMPANY
C/O BILL MCKENZIE

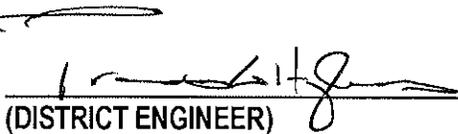
2/2/09

(DATE)



PRINT NAME

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)
J. RICHARD JORDAN III, LTC

FEB - 6 2009

(DATE)

or his Designee

Tina B. Hadden
Chief, Regulatory Division

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE)

(DATE)

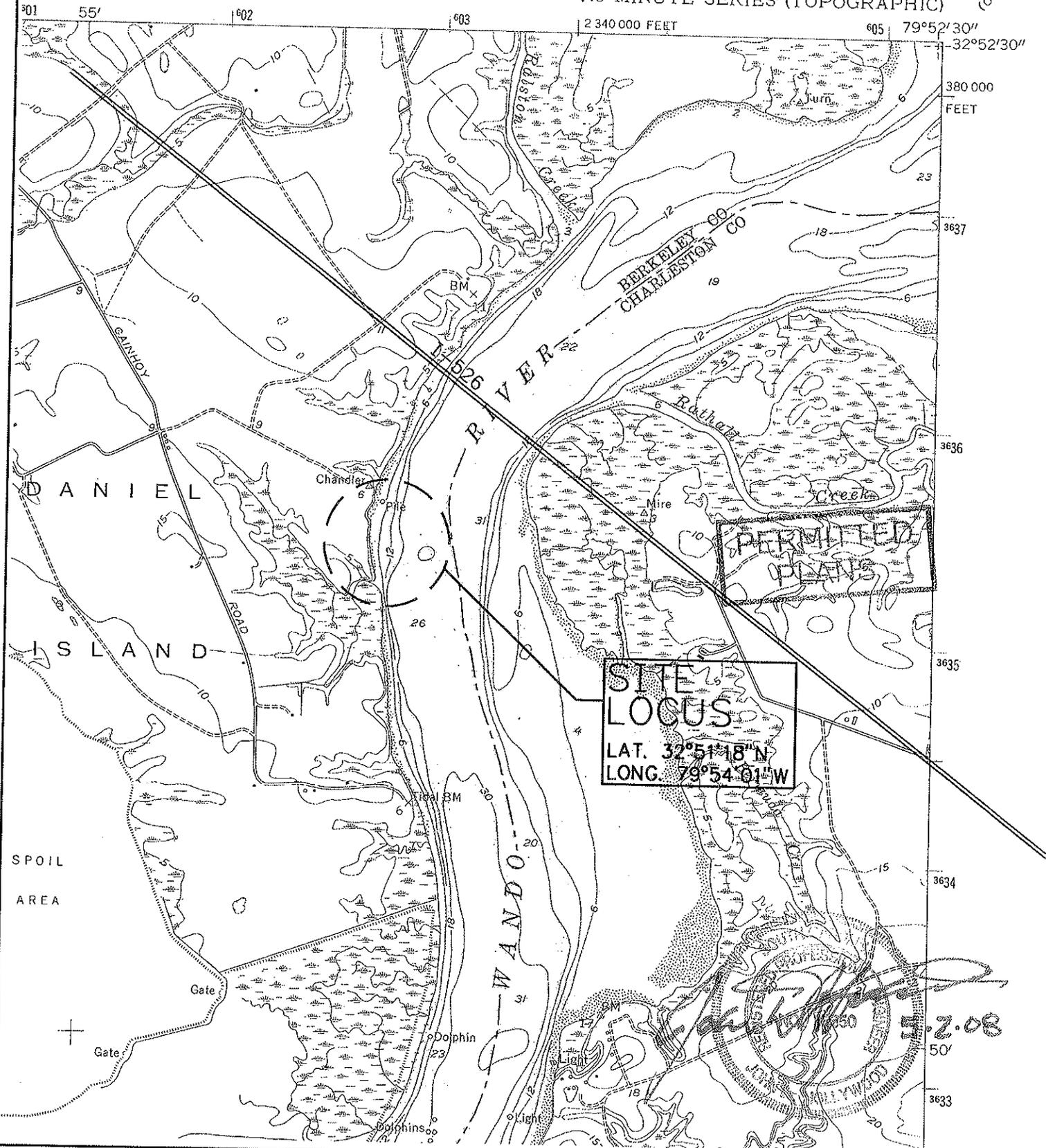
SPECIAL CONDITIONS FOR PERMIT #: 2007-407-2IG

- a. That the permittee agrees to provide all contractors associated with construction of the authorized activity a copy of the permit and drawings. A copy of the permit will be available at the construction site at all times.
- b. That the permittee shall submit a signed compliance certification to the Corps within 60 days following completion of the authorized work and any required mitigation. The certification will include:
 1. A copy of this permit;
 2. A statement that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions;
 3. A statement that any required mitigation was completed in accordance with the permit conditions;
 4. The signature of the permittee certifying the completion of the work and mitigation.
- c. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- d. It is recognized that this structure is to be constructed on/or adjacent to an area subject to a prism and/or disposal easement held by the United States in perpetuity in conjunction with a Congressionally authorized project for the maintenance and improvement of the Federal channel. This permit does not convey any property rights either in real estate or material or any exclusive use privileges; nor does it relinquish any right the United States has for the use of its easement or the maintenance and future widening or deepening of the Atlantic Intracoastal Waterway pursuant to its easement rights.
- e. It is understood and agreed that if the District Engineer determines this structure shall in any way in the future conflict with the improvement, operation, maintenance and widening or deepening of the Federal channel, the owners themselves, their heirs, successors and assigns will remove said structure within 45 days from the date that written notice is given by the District Engineer, and there shall be no entitlement to compensation from the United States for damage or injury.
- f. Conveyance of this permit applies only to the structure authorized and does not authorize the construction of any permanent structure or any structure suitable for habitation or any utility leading either to permanent structures suitable for habitation or to permanent structures within the bounds of areas on which the Corps of Engineers enjoys easement rights.
- g. That permittee agrees that no permanent structures, beyond those authorized by this document, will be placed on the prism easement or on any adjacent disposal easement without written approval of the District Engineer.
- h. That the Secretary of the Army, representing the United States of America, hereby consents to the herein authorized facilities or structures to be located on or across easement lands vested in the United States of America for the construction and operation of the Federal channel. The permittee shall not engage in any act which may interfere with or abridge the easement interests of the United States, except those specifically authorized herein.

- i. That the permittee agrees to provide, as a part of the completion notification, as-built drawings which indicate all dimensions of the structure as well as the distance between the centerline of the Federal channel, and the waterward edge of the authorized structure. These drawings must be prepared by a registered land surveyor and submitted within sixty (60) days of the completion of the structure.
- j. That any Corps of Engineers Waterway Control Monument can not be disturbed without first notifying this office 30 days in advance. After coordination with this office, a decision will be made as to the proper steps to be taken with regard to removing and relocating the monuments(s).
- k. That the permittee recognizes that its commitment to perform and implement the following conditions was a deciding factor towards the favorable and timely decision on this permit and that the permittee recognizes that a failure on its part to both actively pursue and implement these conditions may be grounds for modification, suspension or revocation of this Department of the Army authorization.
 1. That the permittee agrees to complete the work as required by the existing MOA entitled "Memorandum of Agreement Regarding Department of the Army Permit Number 93-2T-154-P" (MOA), executed in 1994. The permittee further agrees that this work will be completed to the satisfaction of this office in consultation with the SHPO.
 2. That the permittee agrees to complete the work as required by the revised treatment plan entitled "Archaeological Site 38BK815 (Southeastern Area) and the Daniel Island Marina Area of Potential Effect, Daniel Island, South Carolina" (by Poplin, Burns and Jateff and dated July 1, 2008). The permittee further agrees that this work will be completed to the satisfaction of this office in consultation with the SHPO.
 3. That the permittee agrees to provide all boaters registered at the marina, both permanent and transient, a copy of the U.S. Coast Guard's "Rules of the Road".
 4. That the permittee agrees to require that all resident boaters must attend a boating safety and awareness course. This instruction shall include information regarding navigating in the Wando River and sharing the waterway with commercial traffic. This requirement must be included in the lease agreement for users of the marina services and facilities.
 5. That the permittee agrees to provide a list of the registered lessees of marina services and facilities (to include all wet slip and dry stack tenants) to the Corps annually, with documentation that the tenant has met the requirements regarding boating safety and awareness noted in these special conditions.

CHARLESTON QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)

5049 IV NE
(GAINHOY)



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL=0.67' (2.70')

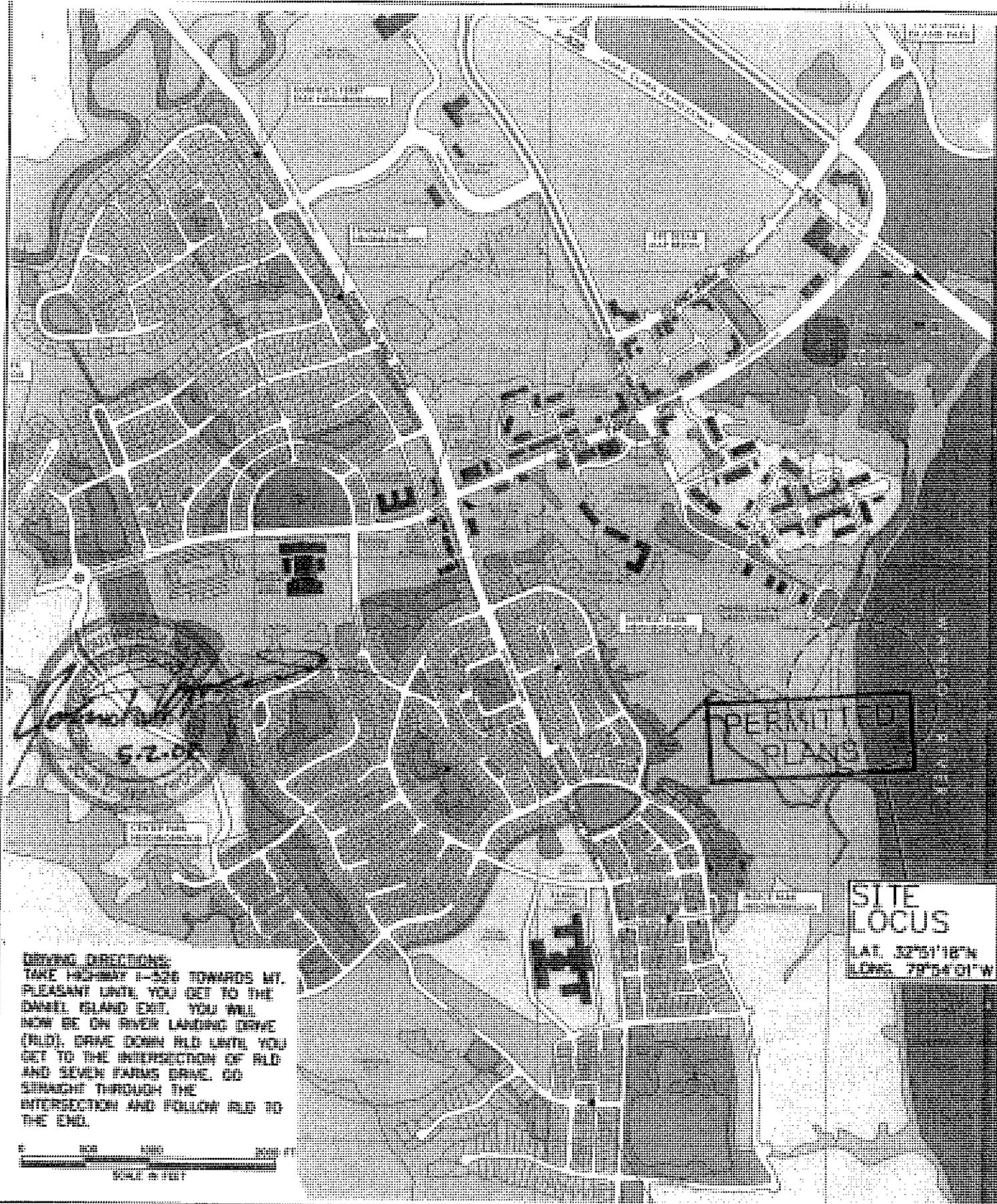
VICINITY
MAP

USGS QUADRANGLE
MAP # 32079-G8-TF-024
1:25000

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G





DRIVING DIRECTIONS:
TAKE HIGHWAY I-526 TOWARDS WY.
PLEASANT UNTIL YOU GET TO THE
DANIEL ISLAND EXIT. YOU WILL
NOW BE ON RIVER LANDING DRIVE
(RLD). DRIVE DOWN RLD UNTIL YOU
GET TO THE INTERSECTION OF RLD
AND SEVEN FARMS DRIVE. GO
STRAIGHT THROUGH THE
INTERSECTION AND FOLLOW RLD TO
THE END.



PURPOSE: COMMERCIAL MARINA AND INLAND
DORY STACK FACILITY

DATE: NOV08 (BLW)
MHH = 3.73' (0.75') MLW = -2.08' (-0.00')
MHW = 3.26' (0.35') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

COUNTY ROAD MAP

PROPOSED MARINA PLAN IN: WANDO RIVER
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-240

SHEET 2 OF 22



SERVICES:

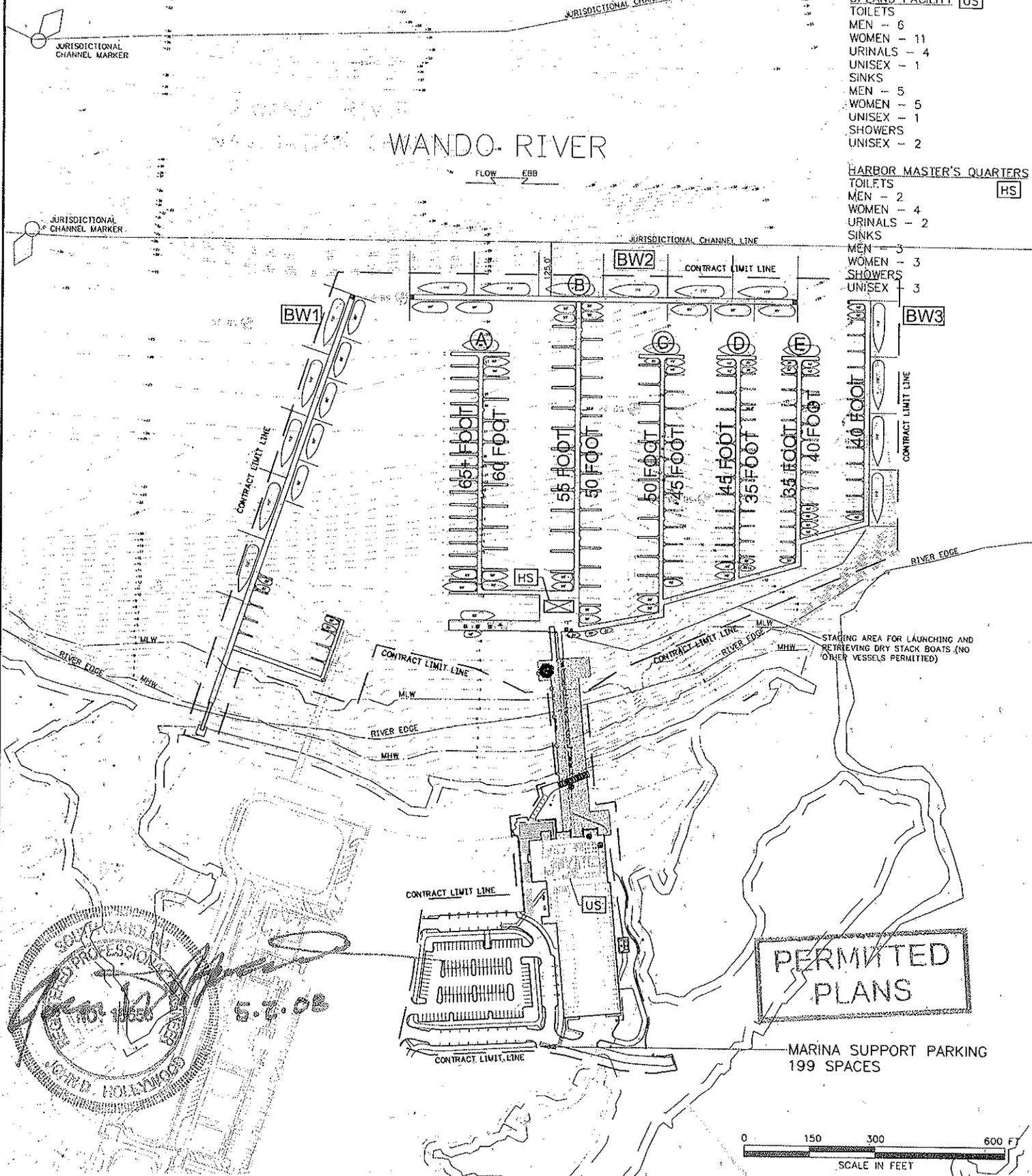
- UPLAND FACILITY** **US**
 TOILETS
 MEN - 6
 WOMEN - 11
 URINALS - 4
 UNISEX - 1
 SINKS
 MEN - 5
 WOMEN - 5
 UNISEX - 1
 SHOWERS
 UNISEX - 2

HARBOR MASTER'S QUARTERS

- HS**
 TOILETS
 MEN - 2
 WOMEN - 4
 URINALS - 2
 SINKS
 MEN - 3
 WOMEN - 3
 SHOWERS
 UNISEX - 3

WANDO RIVER

FLOW EBB



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

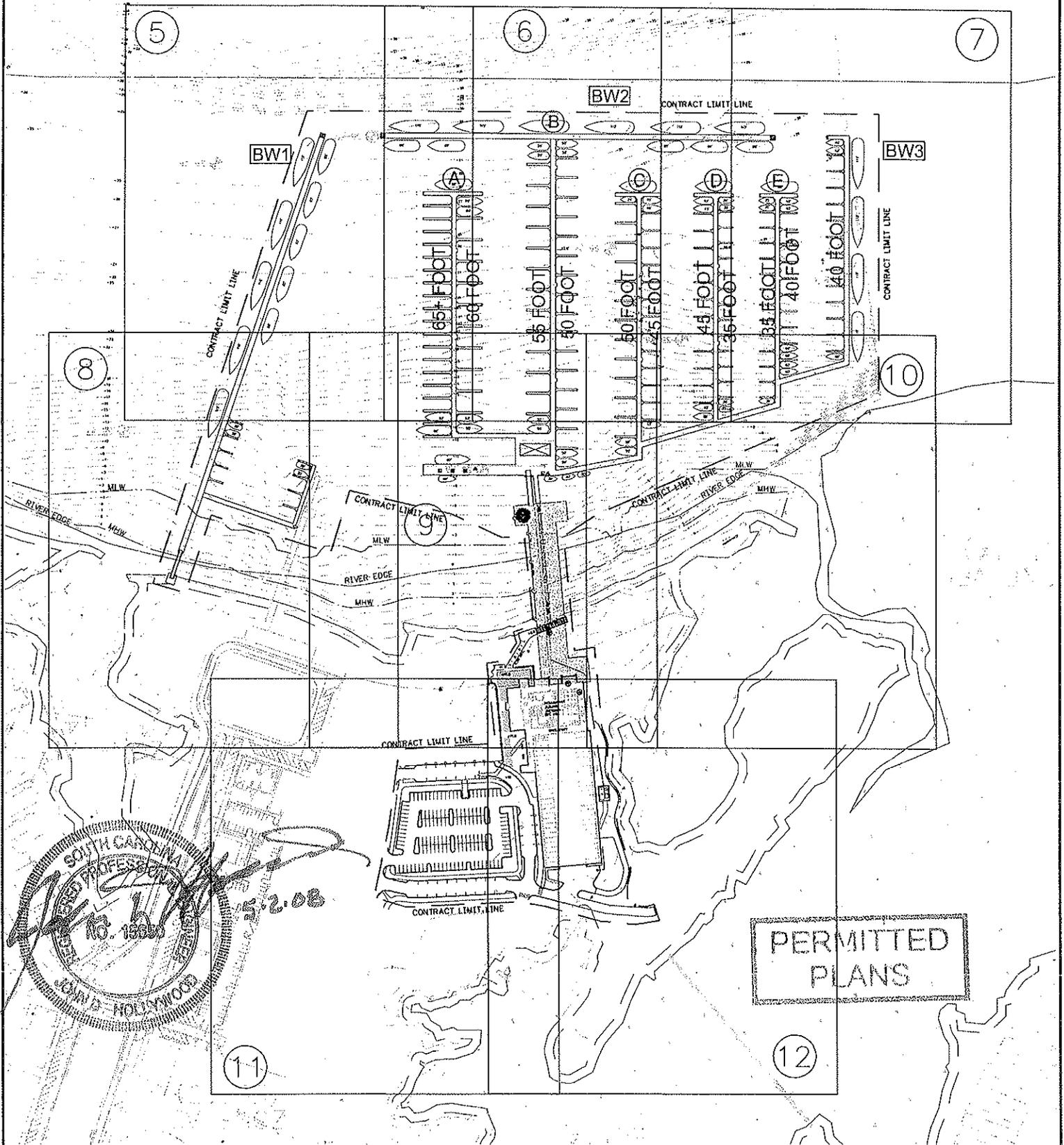
DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW =-2.03' (-0.00')
 MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA
FULL PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G





PERMITTED
PLANS

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

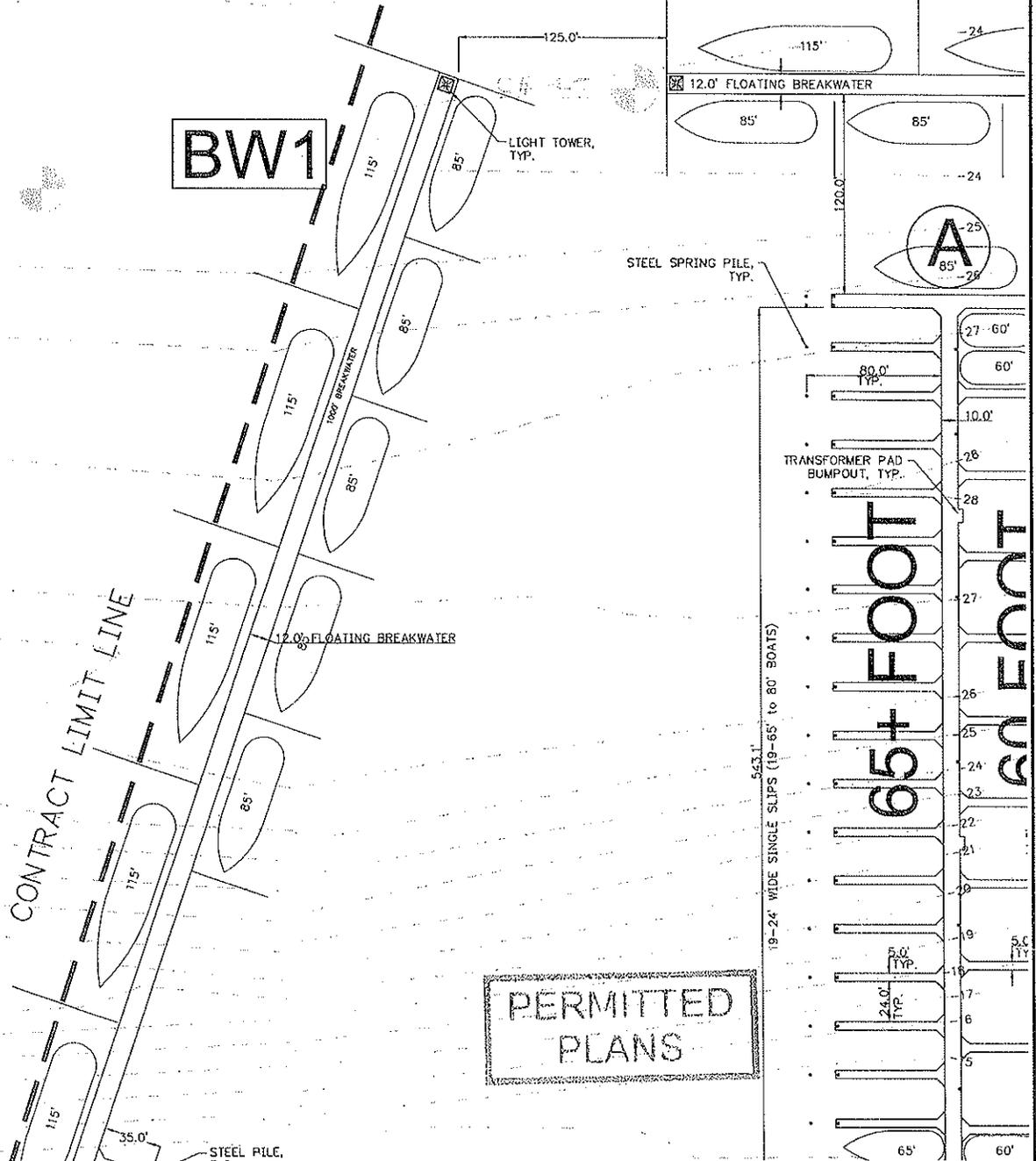
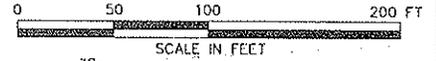
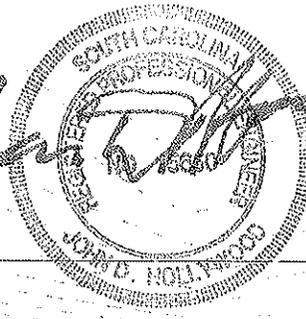
DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW =-2.03' (-0.00')
MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
MTL=0.67' (2.70')

PROPOSED MARINA
KEY PLAN

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G





PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

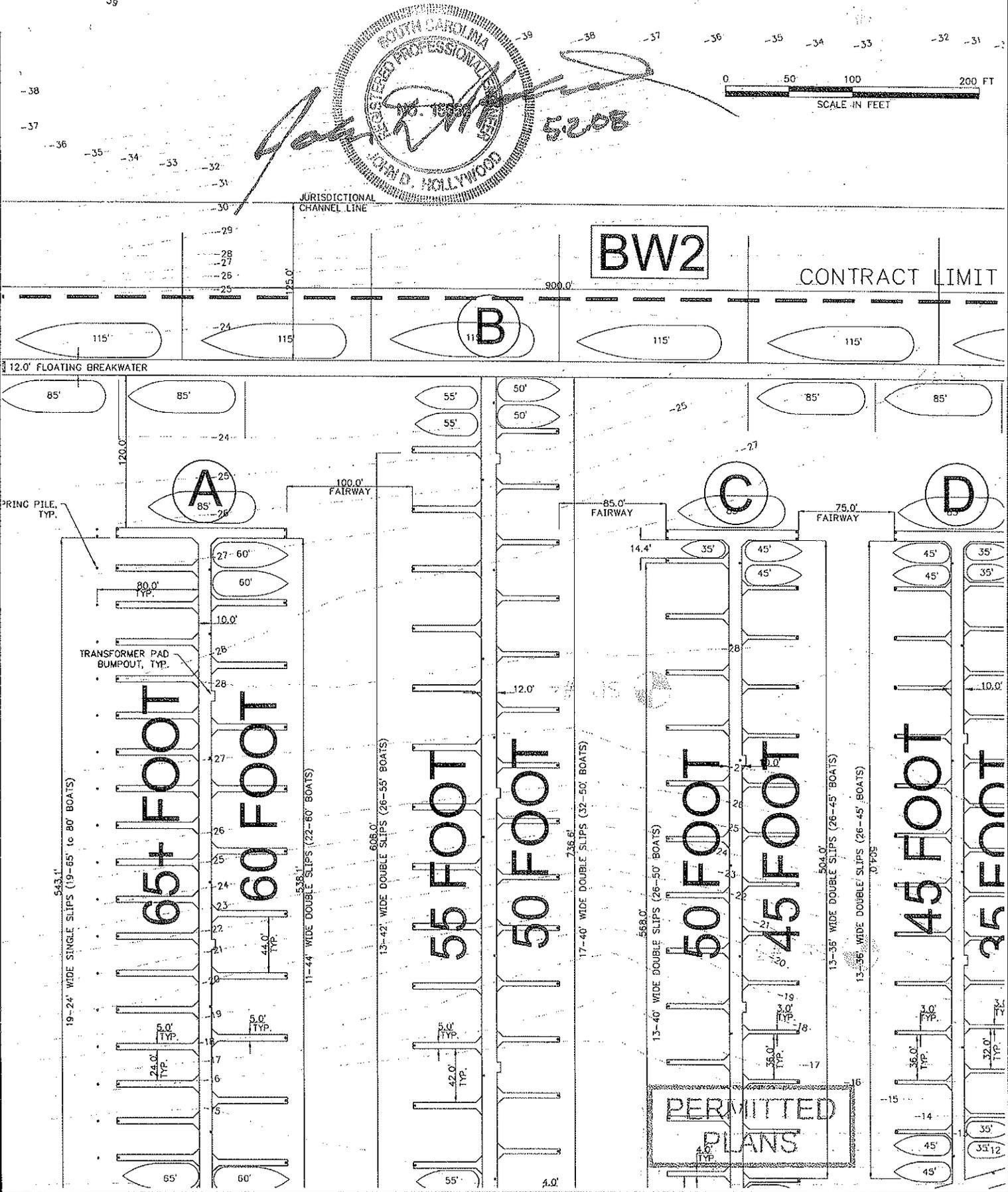
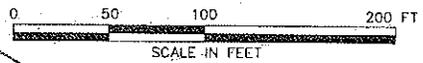
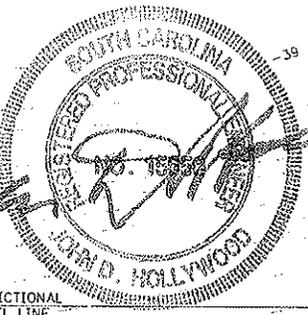
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 8.0' MLW = -2.21' (-0.18')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G





PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G

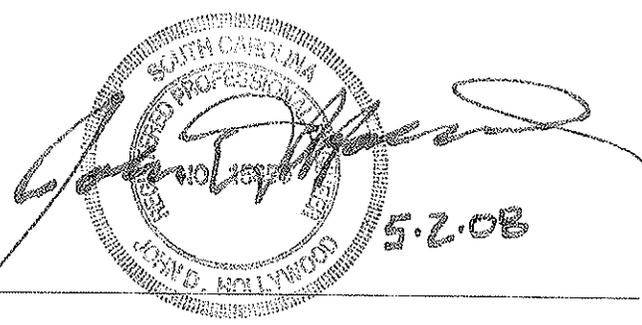
SHEET 6 OF 22



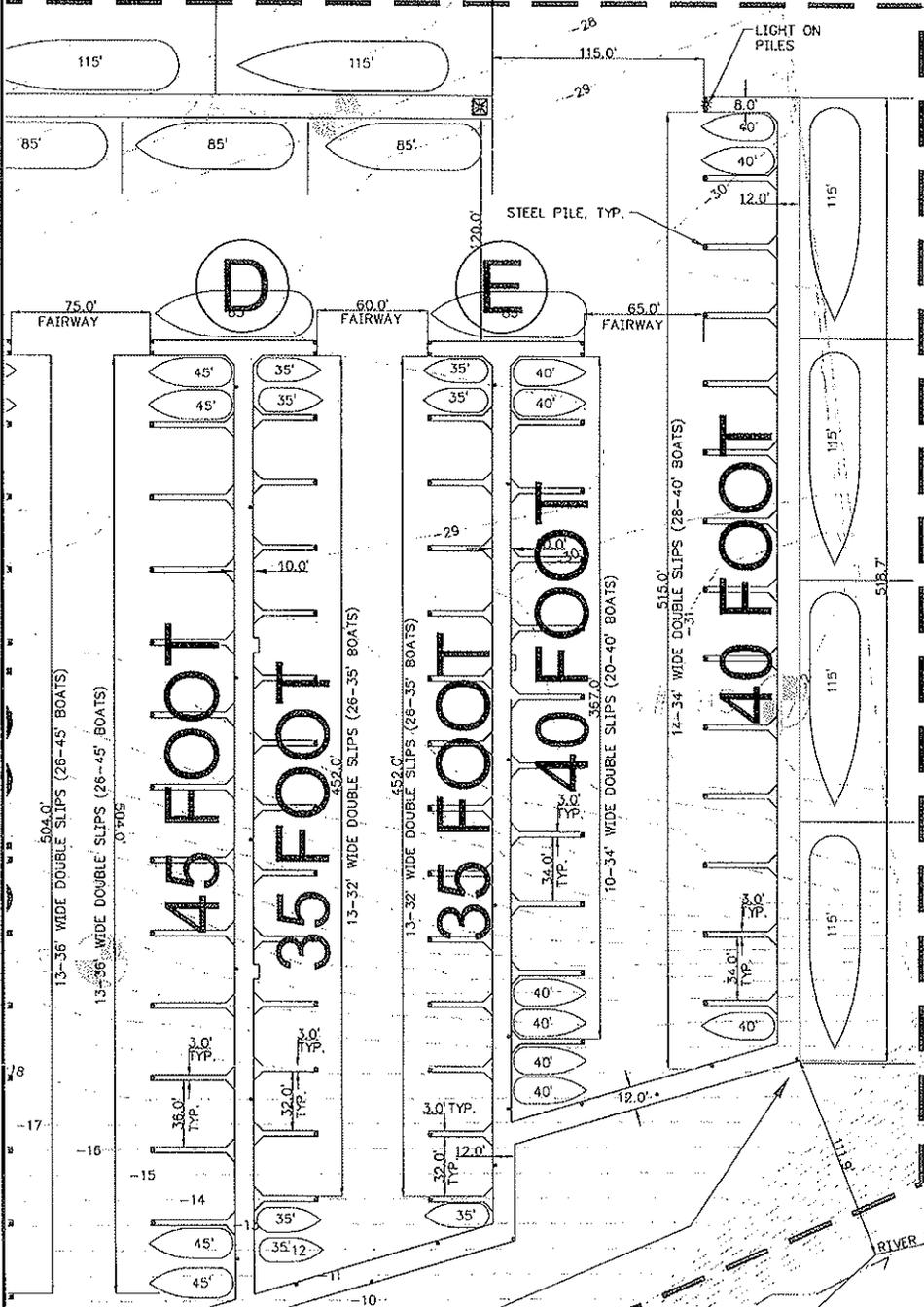
-34 -33 -32 -31 -30

-29

-28



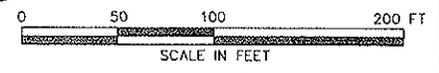
CONTRACT LIMIT LINE



BW3

CONTRACT LIMIT LINE

**PERMITTED
PLANS**



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

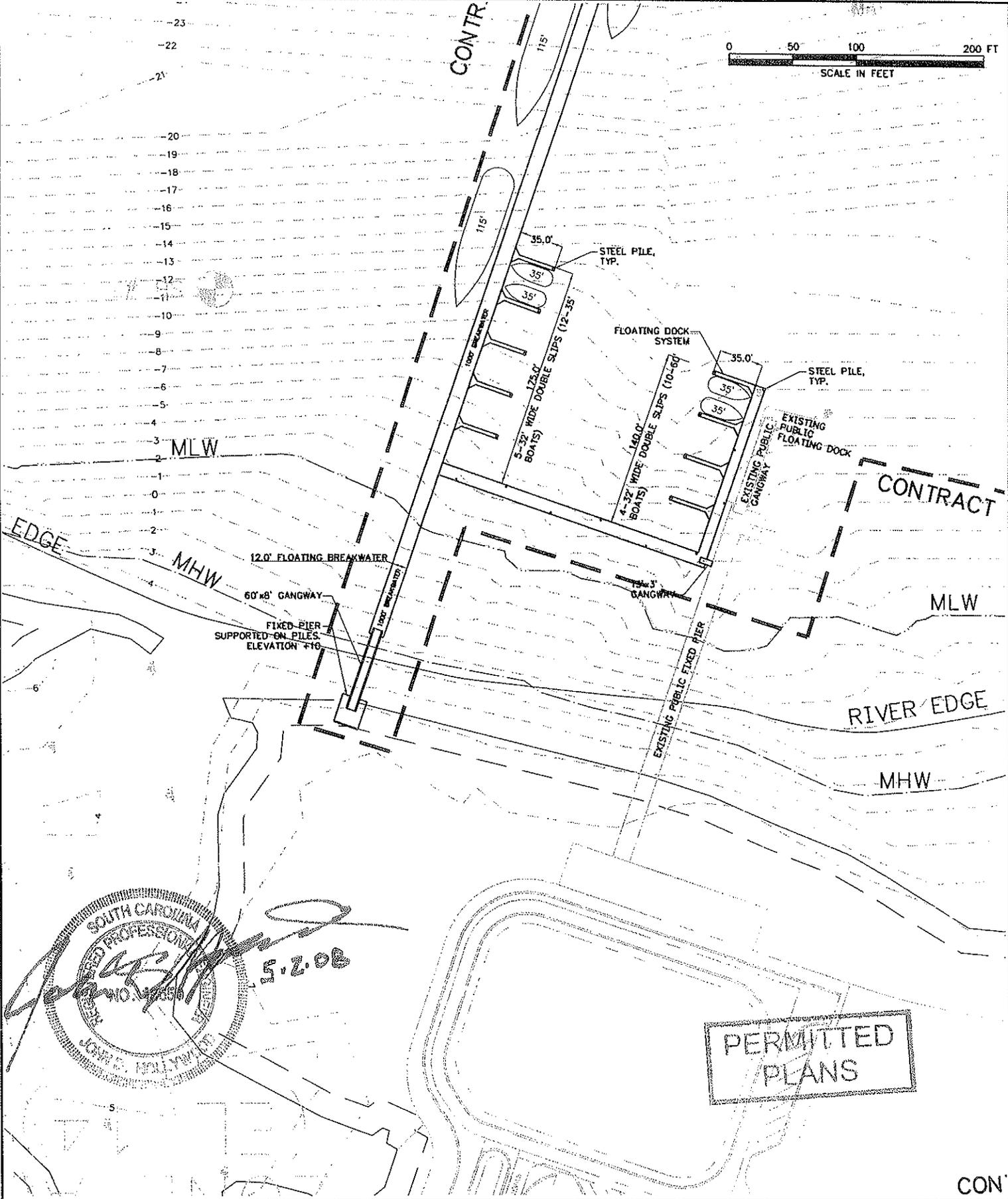
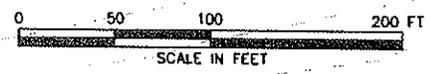
PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G

SHEET 7 OF 22

-23
-22
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3
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5
6



SOUTH CAROLINA
REGISTERED PROFESSIONAL
ENGINEER
5.2.08
DANIEL ISLAND

PERMITTED
PLANS

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

PROPOSED MARINA
PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G

SHEET 8 OF 22



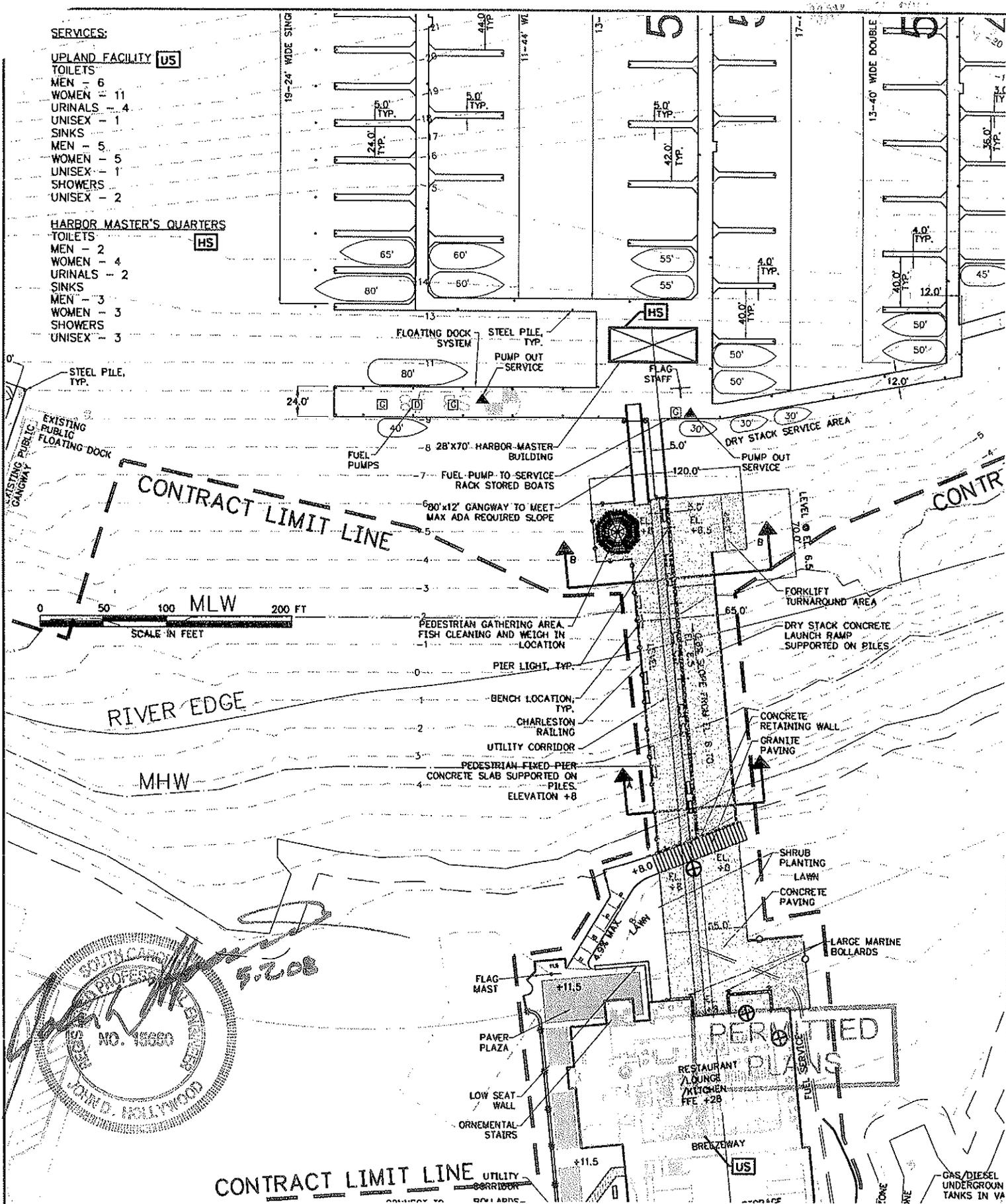
SERVICES:

UPLAND FACILITY [US]

- TOILETS
- MEN - 6
- WOMEN - 11
- URINALS - 4
- UNISEX - 1
- SINKS
- MEN - 5
- WOMEN - 5
- UNISEX - 1
- SHOWERS
- UNISEX - 2

HARBOR MASTER'S QUARTERS [HS]

- TOILETS
- MEN - 2
- WOMEN - 4
- URINALS - 2
- SINKS
- MEN - 3
- WOMEN - 3
- SHOWERS
- UNISEX - 3



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)

MHHE=3.72' (5.75') MLW = -2.03' (-0.00')

MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')

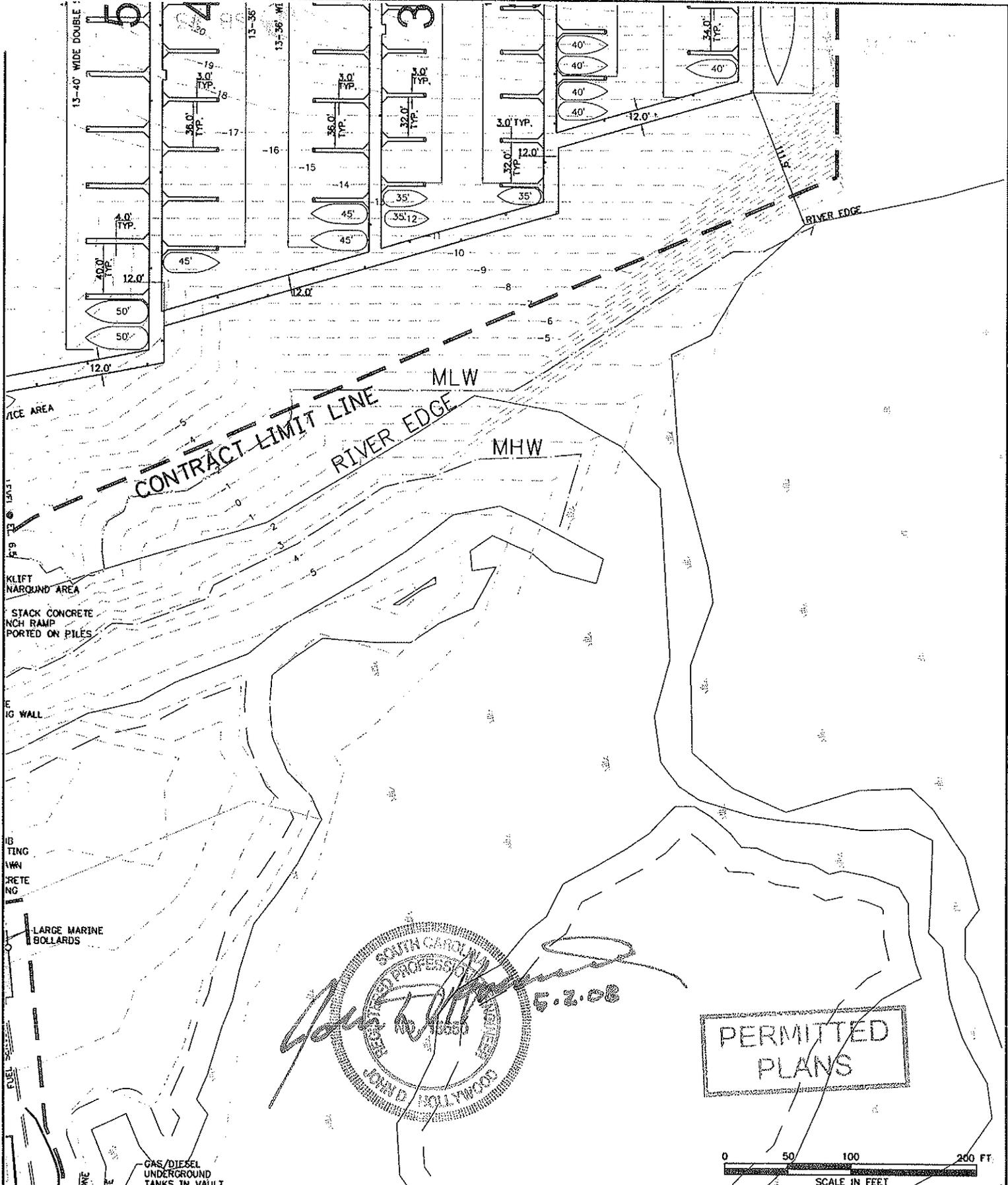
MTL=0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G





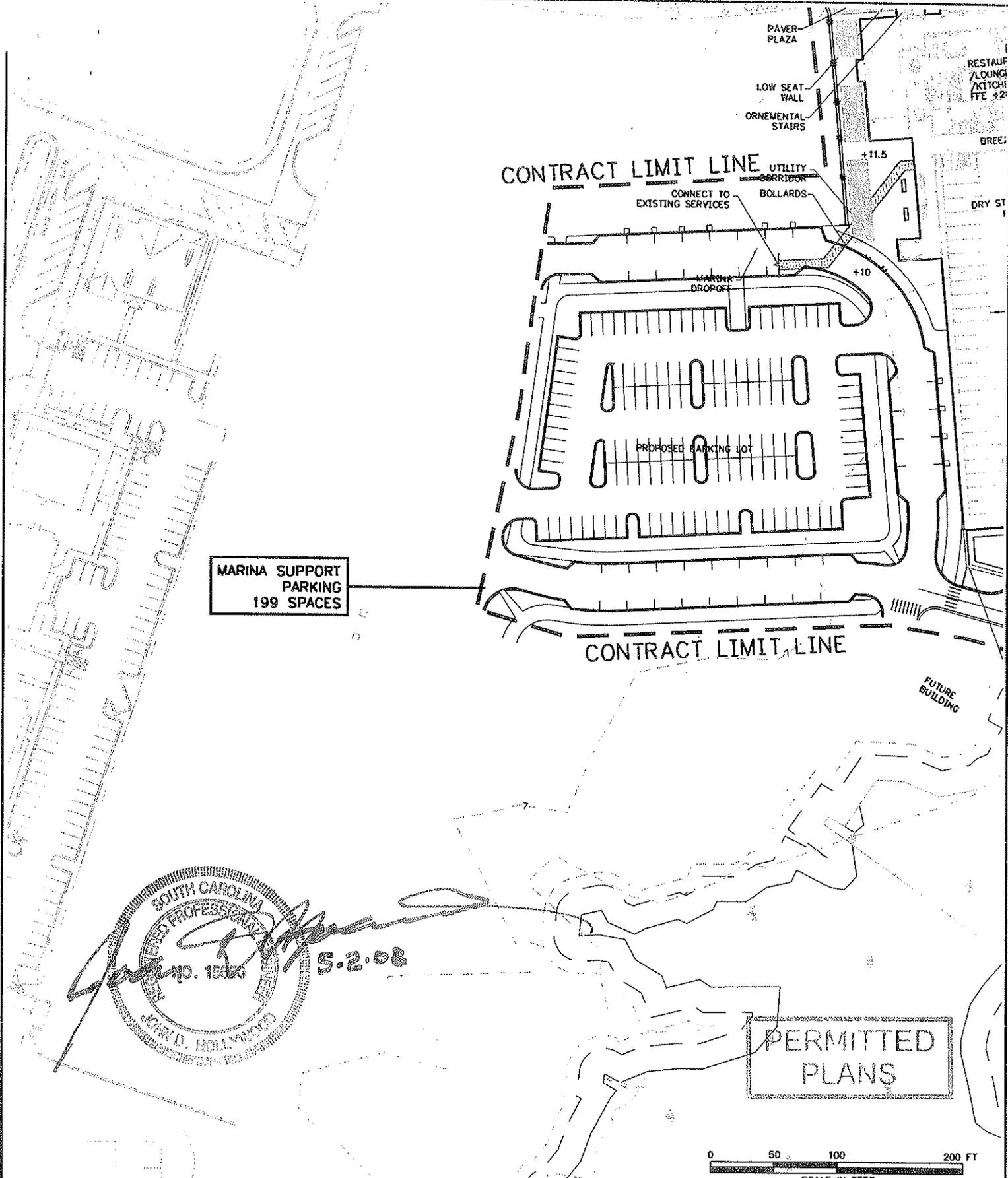
JOHN D. HOLLYWOOD
 PROFESSIONAL ENGINEER
 STATE OF SOUTH CAROLINA
 LICENSE NO. 10550
 5.2.08

PERMITTED PLANS

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY
 DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW=-2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER
 AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G
 SHEET 10 OF 22



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

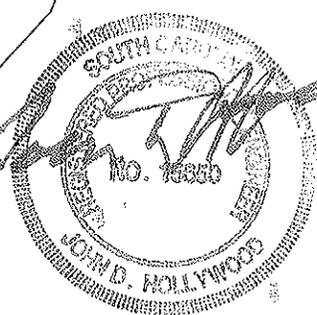
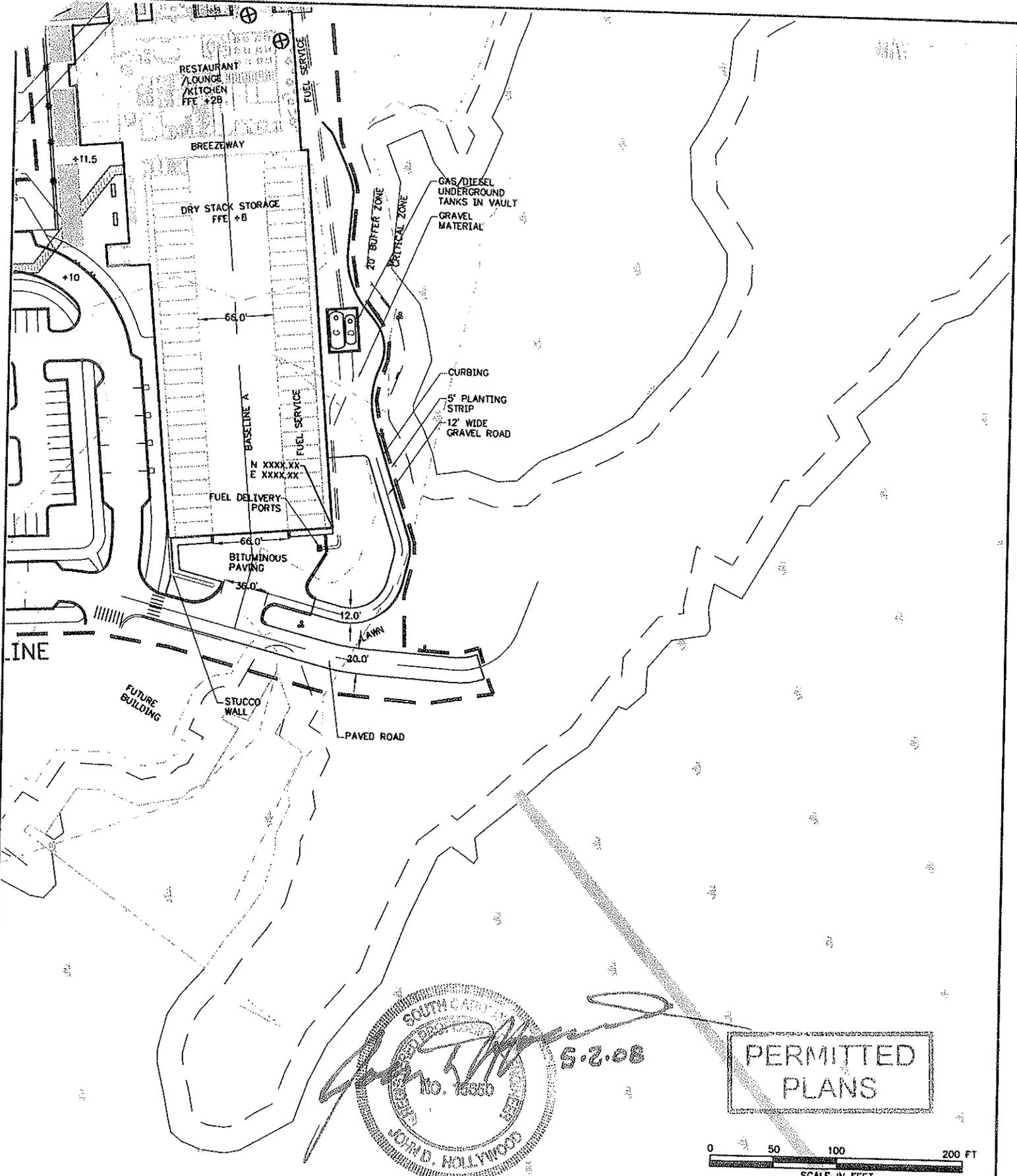
DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G

SHEET 11 OF 22



PERMITTED
PLANS



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW =-2.03' (-0.00')
 MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G

SHEET 12 OF 22



WET SLIPS AND DRY RACK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
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DRY STACK:

UP TO 30' IN DRY STORAGE	10'-12'	208	-	-	-	-	-	-
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DESIGNATED WET SLIPS W/ FINGER PIERS:

35'	13'	56	32'	3'	60'	DOUBLE	0.175	30A/30A-125V
40'	14.5'	49	34'	3'	65'	DOUBLE	0.153	30A/30A-125V
45'	16'	54	36'	3'	75'	DOUBLE	0.165	50A-125/250V
50'	18'	60	40'	4'	85'	DOUBLE	0.187	50A/50A-125/250V
55'	19'	28	42'	5'	100'	DOUBLE	0.087	50A/50A-125/250V
60'	20'	22	44'	5'	100'	DOUBLE	0.069	50A/50A-125/250V
65'+	21'	19	25'	5'	--	SINGLE	0.059	50A/50A-125/250V

DESIGNATED WET SLIPS W/ SIDE TIE MOORING:

LARGE YACHTS, 85'-110'	25'	13	-	@ 12' BREAKWATER	--	PARALLEL	0.041	50A/50A-125/250V
------------------------	-----	----	---	------------------	----	----------	-------	------------------

85'-110' BOATS AT INSIDE OF BREAKWATERS AND END OF SLIP PIERS. SERVICES & TIE UPS EVERY 100'

MEGA YACHTS, 115' AND 150'	27'	16	-	@ 12' BREAKWATER	--	PARALLEL	0.050	CUSTOM
----------------------------	-----	----	---	------------------	----	----------	-------	--------

115'+ AT OUTSIDE OF BREAKWATERS. SERVICES & TIE UPS EVERY 150'

35'	13'	4	-	-	--	PARALLEL	0.013	30A/30A-125V
-----	-----	---	---	---	----	----------	-------	--------------

35' AT DOCK BETWEEN PIER E AND BREAKWATER 3. SERVICES & TIE UPS EVERY 40'.

TOTAL: 321

PUBLIC DOCK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
-------------	-----------------	------------------	-----------------	-----------------	------------------	--------------------	------------	-----------------------

DESIGNATED WET SLIPS W/ FINGER PIERS:

35'	13'	20	32'	3'	145'	DOUBLE	1.00	30A/30A-125V
-----	-----	----	-----	----	------	--------	------	--------------

TOTAL WET: 20



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA BOATING MIX

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G

SHEET 13 OF 22

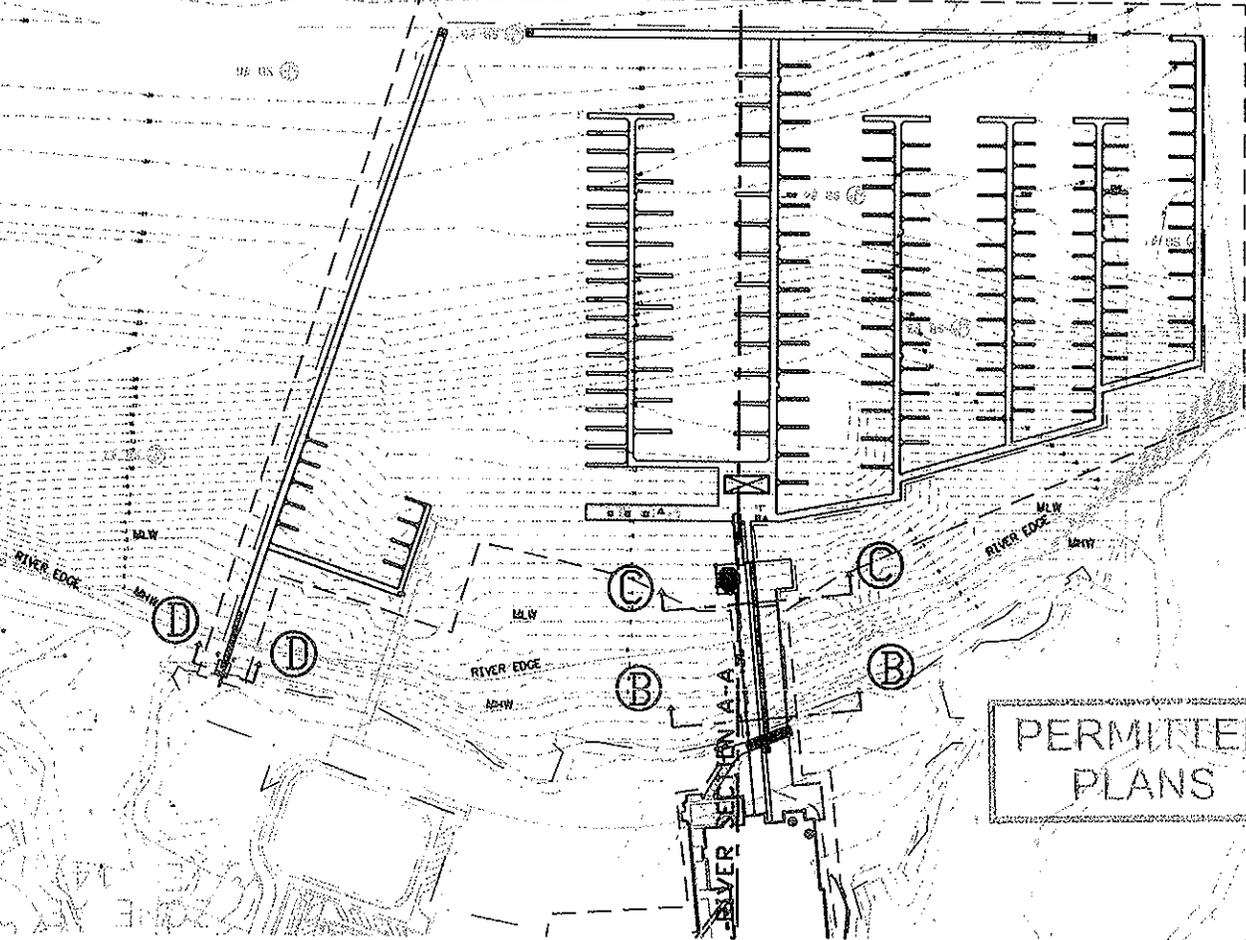


0 150 300 600 FT
SCALE IN FEET

RIVER SECTION A-A



WANDO RIVER
NAVIGATION CHANNEL



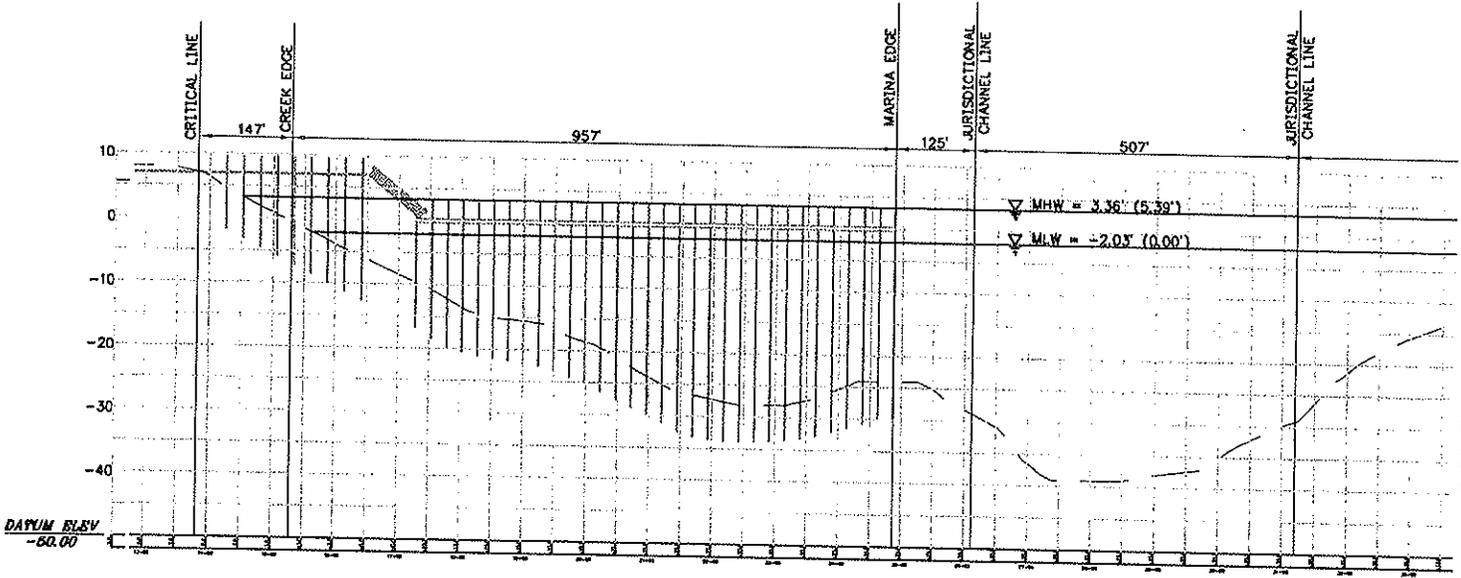
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW =-2.03' (-0.00')
MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
MTL=0.67' (2.70')

PROPOSED MARINA
REFERENCE PLAN
FOR SECTIONS

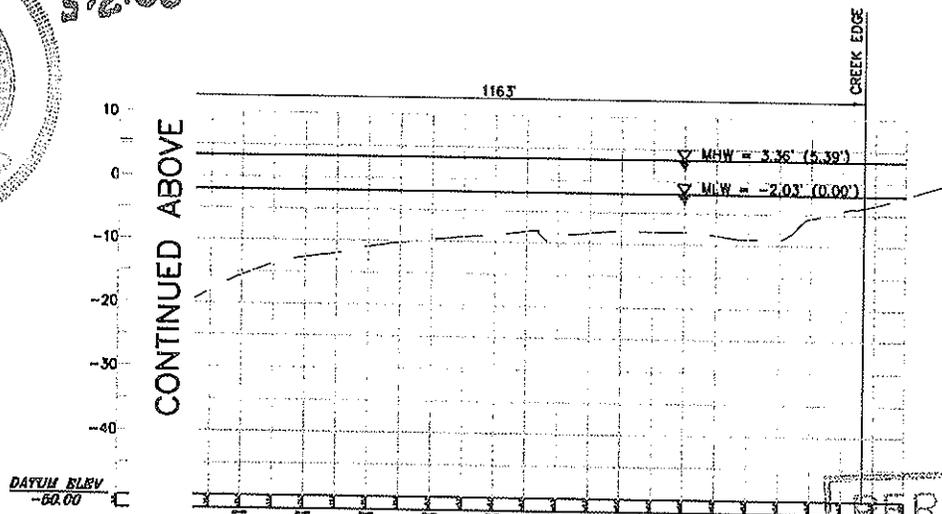
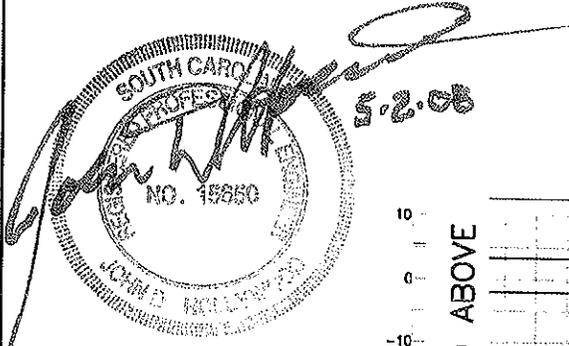
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G



CONTINUED BELOW

HORIZONTAL 1:250
VERTICAL 1:25



CONTINUED ABOVE

PERMITTED PLANS

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

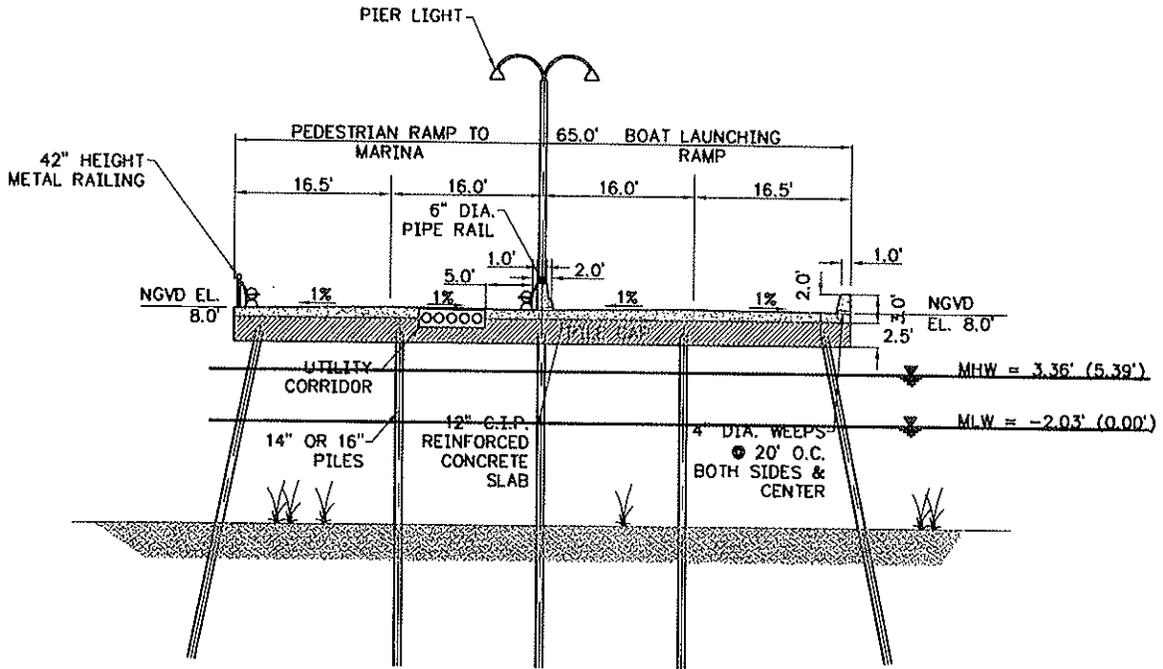
PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA RIVER SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

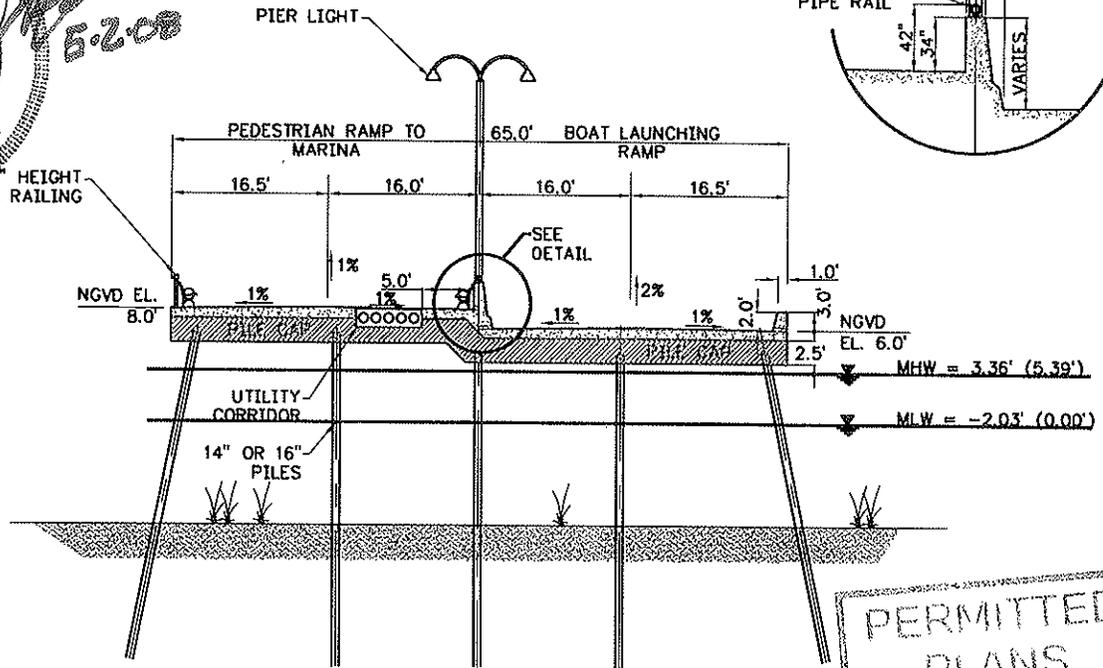
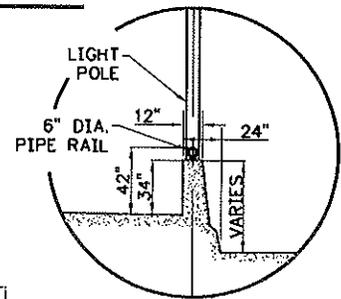
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G
 SHEET 15 OF 22



○ TYPICAL SECTION FOR FIXED PIER (SECTION B-B)
NOT TO SCALE

SOUTH CAROLINA
PROFESSIONAL ENGINEER
NO. 18650
JOHN D. HOLLYWOOD

5-2-08



○ TYPICAL SECTION FOR FIXED PIER (SECTION C-C)
NOT TO SCALE

PERMITTED
PLANS

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

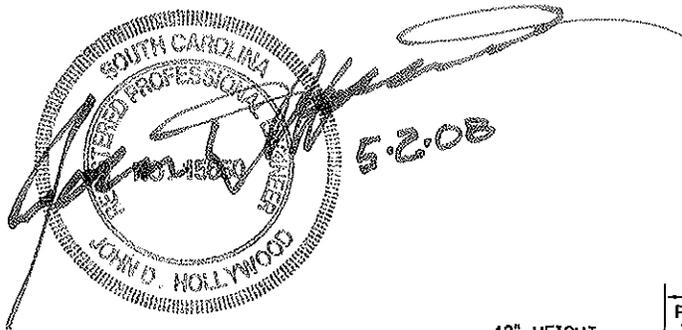
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

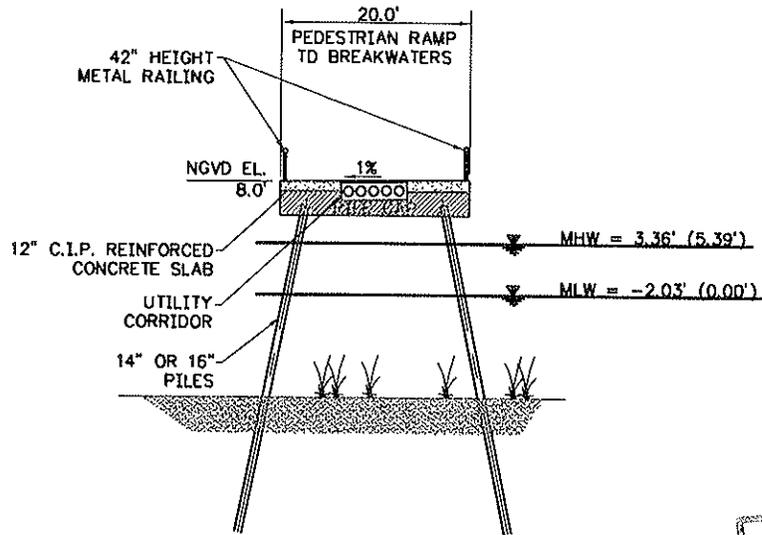
DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL=0.67' (2.70')

PROPOSED MARINA PIER SECTIONS

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G


 JOHN D. HOLLYWOOD
 STATE OF SOUTH CAROLINA
 LICENSE NO. 5208
 PROFESSIONAL ENGINEER



○ TYPICAL SECTION FOR NORTH END FIXED PIER (SECTION D-D)
 NOT TO SCALE

PERMITTED
 PLANS

NOTE:
 WATER LEVEL INFO:
 NGVD29 (MLW)

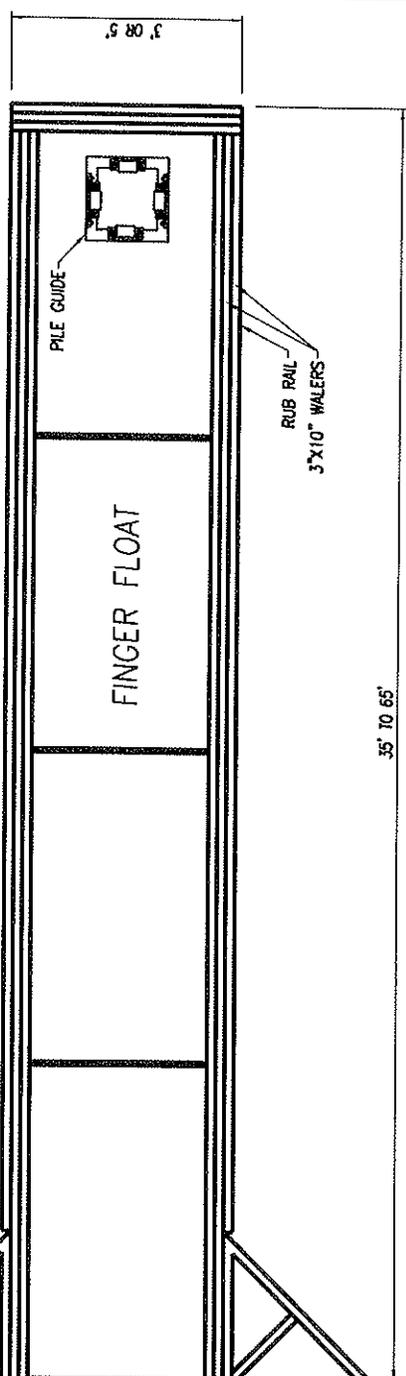
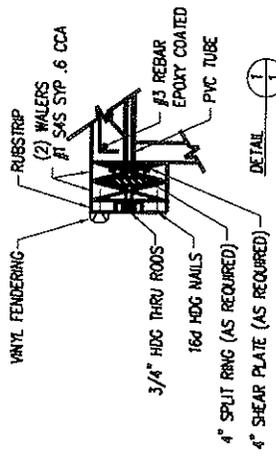
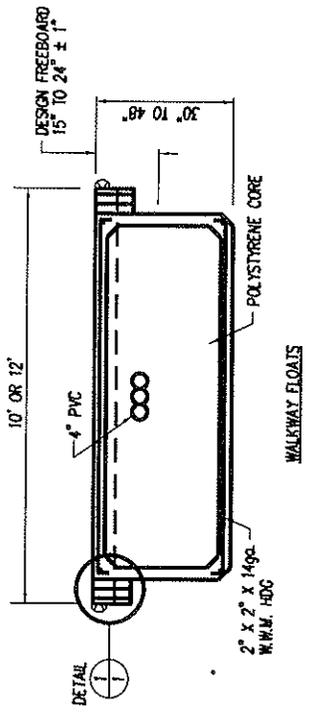
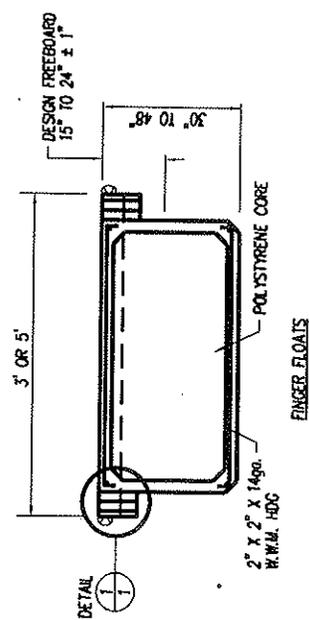
PURPOSE: COMMERCIAL MARINA AND UPLAND
 DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA NORTH PIER SECTION

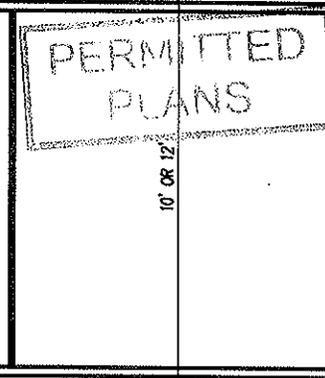
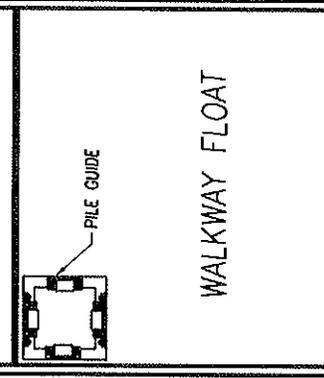
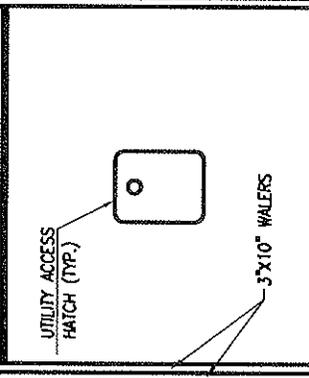
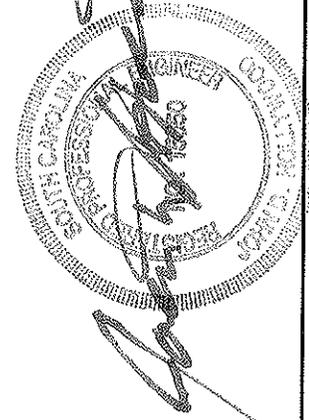
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: MARCH 2008
 PERMIT # 2007-407-21G



TYPICAL FLOATING DOCK DETAILS
N.T.S.

NOTE: UTILITY HATCHES ARE TO BE LOCATED NEAR EACH OF THE POWER PEDESTALS.



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)

MHHE=3.72' (5.75') MLW = -2.03' (-0.00')

MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')

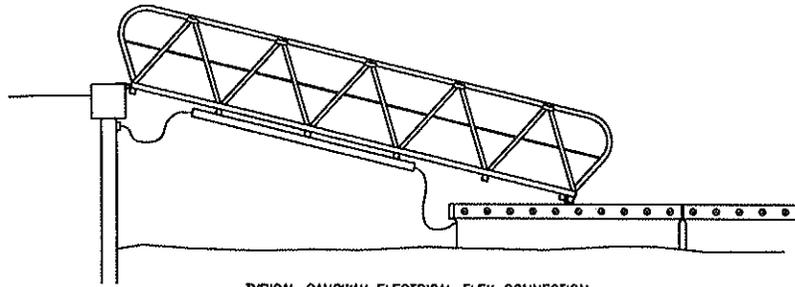
MTL=0.67' (2.70')

PROPOSED MARINA DETAILS

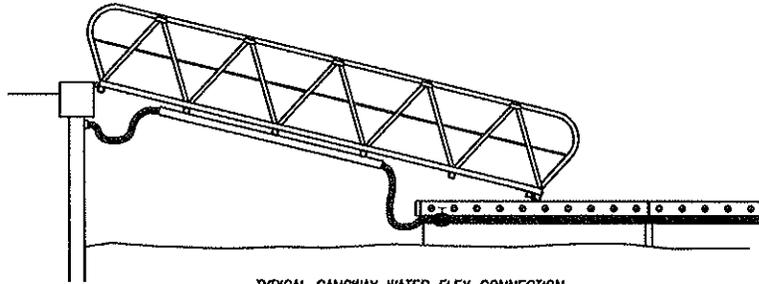
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G

SHEET 18 OF 22

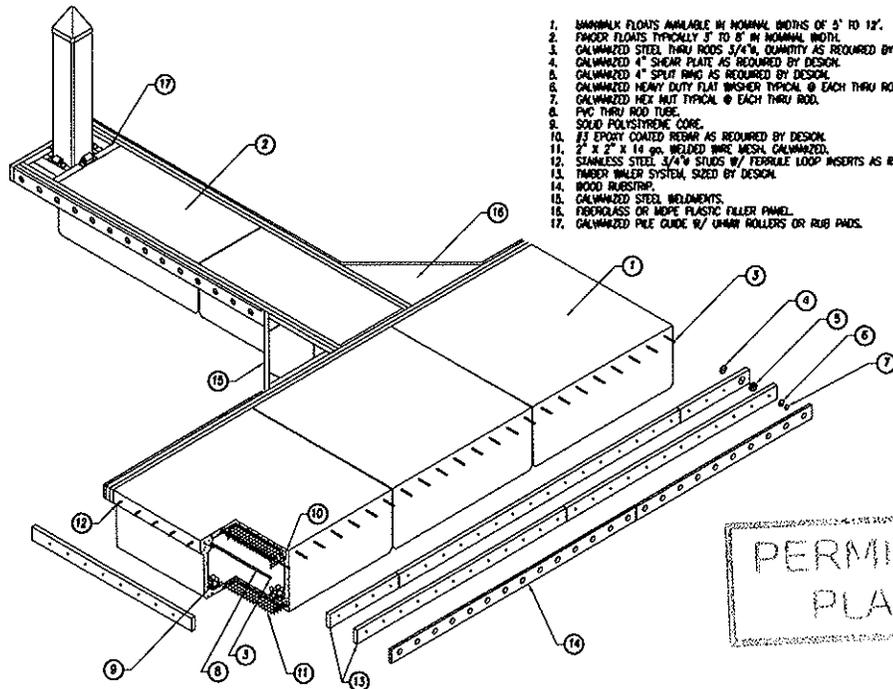
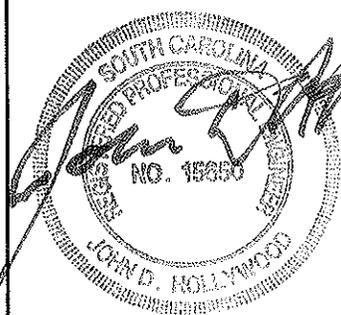


TYPICAL GANGWAY ELECTRICAL FLEX CONNECTION



TYPICAL GANGWAY WATER FLEX CONNECTION

TYPICAL GANGWAY CONNECTIONS
N.T.S.



1. MARINER FLOATS AVAILABLE IN NOMINAL WIDTHS OF 6' TO 12'.
2. FINGER FLOATS TYPICALLY 3' TO 8' IN NOMINAL WIDTH.
3. GALVANIZED STEEL THRU RODS 3/4" DIA. QUANTITY AS REQUIRED BY DESIGN.
4. GALVANIZED 4" SHEAR PLATE AS REQUIRED BY DESIGN.
5. GALVANIZED 4" SPLIT RING AS REQUIRED BY DESIGN.
6. GALVANIZED HEAVY DUTY FLAT WASHER TYPICAL @ EACH THRU ROD.
7. GALVANIZED HEX NUT TYPICAL @ EACH THRU ROD.
8. PVC THRU ROD TUBE.
9. SOLID POLYSTYRENE CORE.
10. #3 EPOXY COATED REBAR AS REQUIRED BY DESIGN.
11. 2" X 2" X 1/4" WELDED WIRE MESH GALVANIZED.
12. STAINLESS STEEL 3/4" STUDS W/ FERRULE LOOP INSERTS AS REQUIRED.
13. TRUSS WALKER SYSTEM, SIZED BY DESIGN.
14. WOOD RUBSTRIP.
15. GALVANIZED STEEL BOLTS/NUTS.
16. FIBERGLASS OR MOPE PLASTIC FILLER PANEL.
17. GALVANIZED PILE GUIDE W/ UHMW ROLLERS OR RUB PADS.

PERMITTED
PLANS

TYPICAL DOCK CONSTRUCTION
N.T.S.

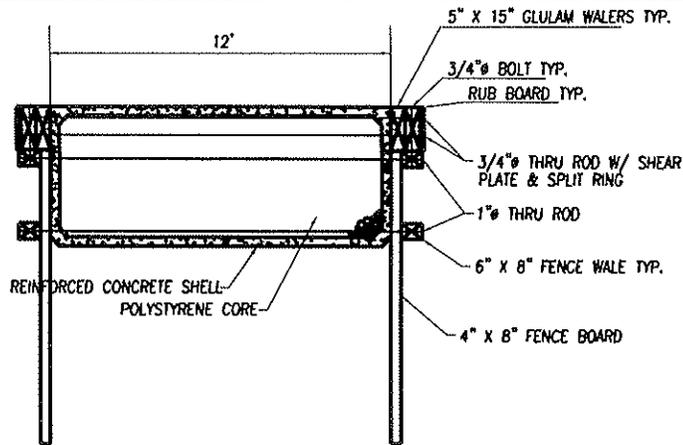
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

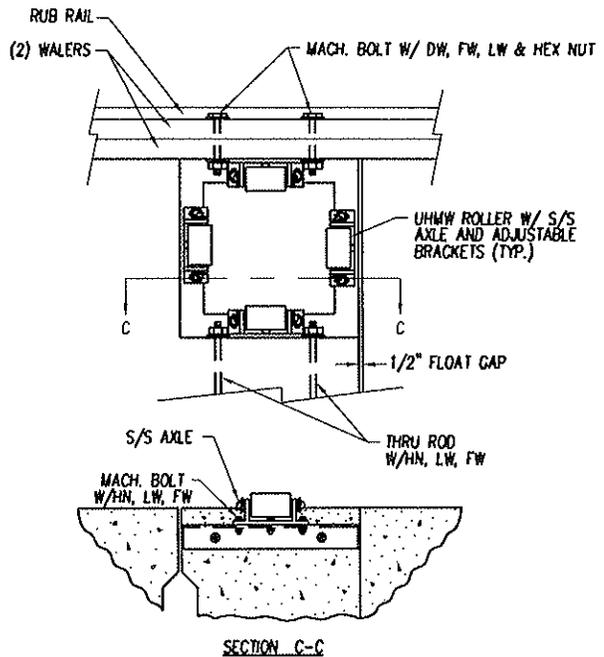
PROPOSED MARINA
DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G



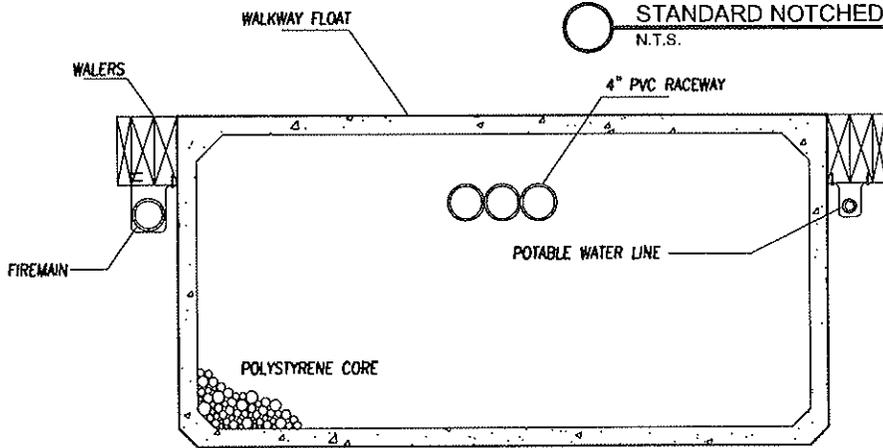
○ TYPICAL WAVE ATTENUATOR FLOAT W/ FENCE (BREAKWATER)
N.T.S.



Handwritten signature and date: 5.2.08

Professional Engineer Seal:
SOUTH CAROLINA
Professional Engineer
No. 18650
JOHN D. WALLACE

○ STANDARD NOTCHED PILE GUIDE
N.T.S.



○ TYPICAL UTILITY HANGER DETAIL
N.T.S.

PERMITTED
PLANS

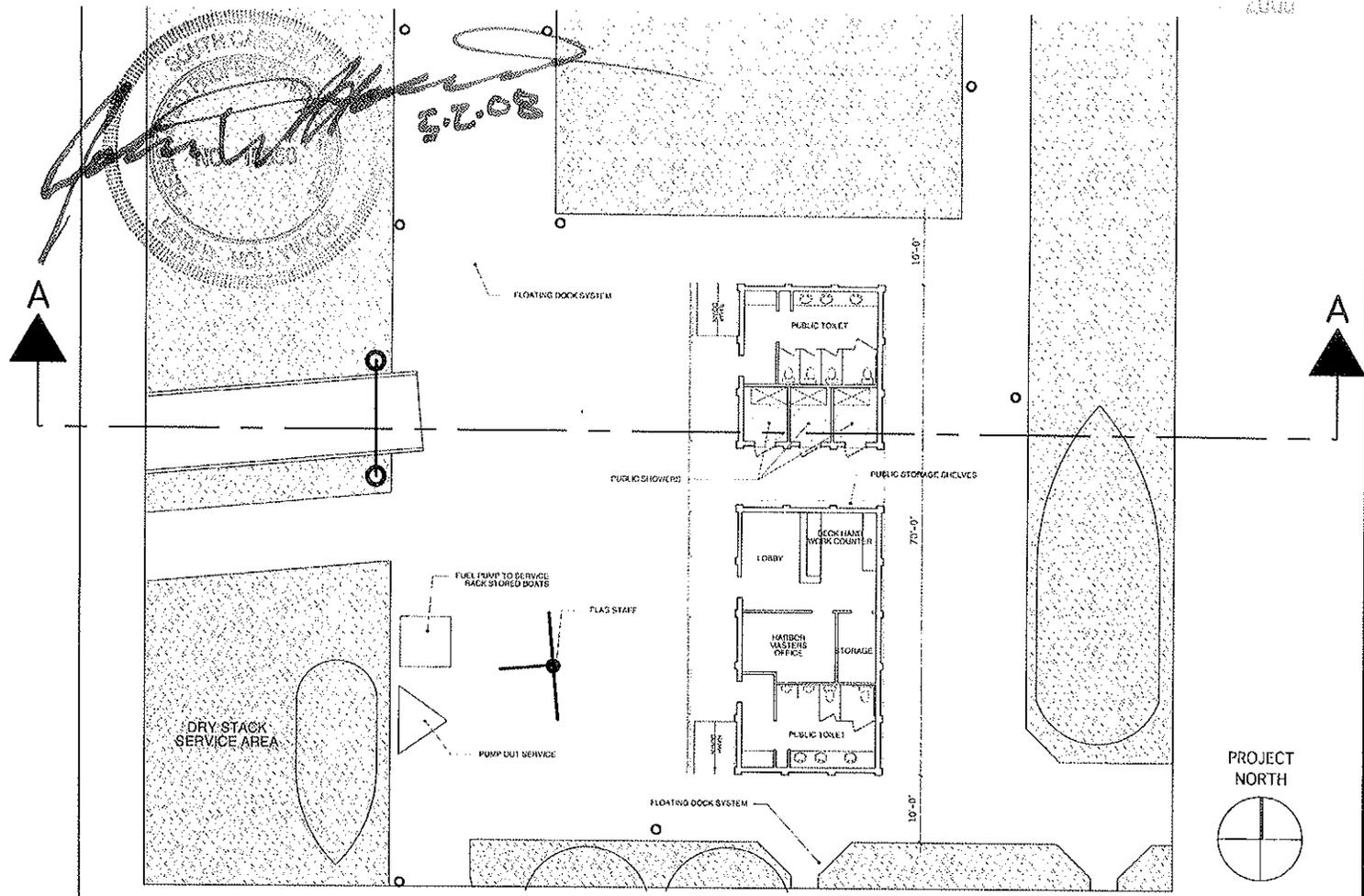
PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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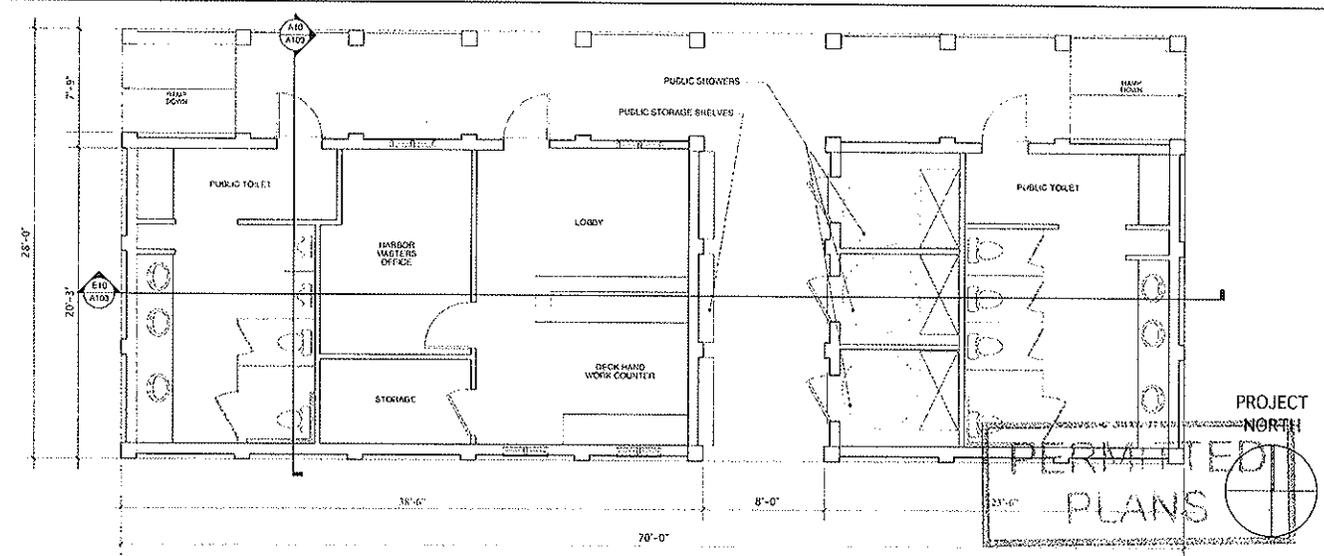
PROPOSED MARINA DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G



G1 PARTIAL DOCK PLAN



A1 HARBOR MASTER BUILDING PLAN

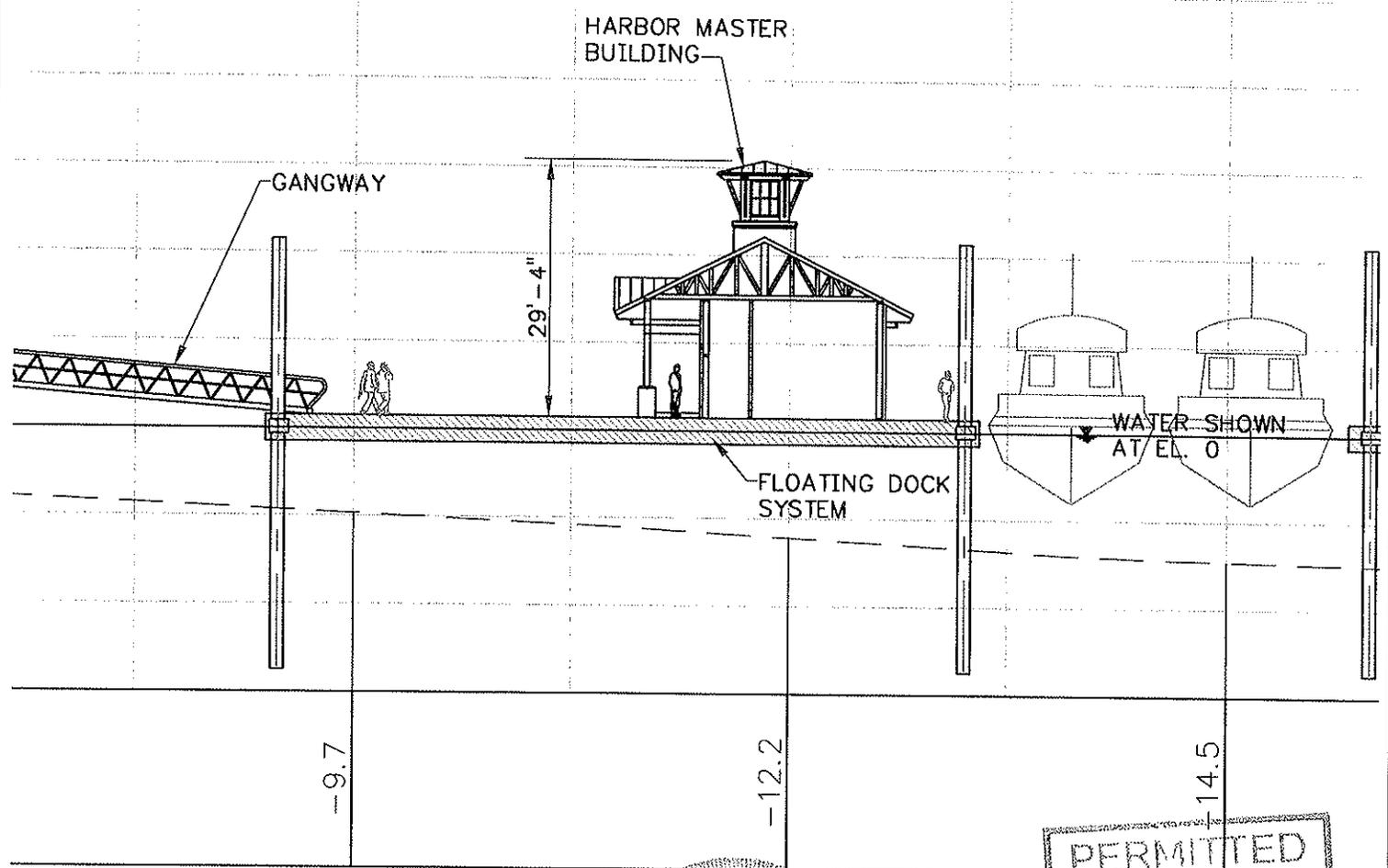
PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA HARBOR MASTER BUILDING-PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G



-9.7

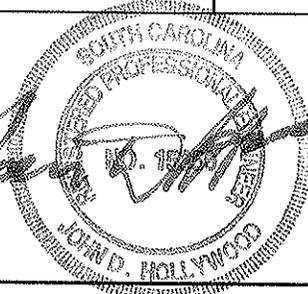
-12.2

14.5

10+00

PERMITTED
PLAN 60

[Signature]
5.2.08



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

PROPOSED MARINA
HARBOR MASTER
BUILDING SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: MARCH 2008
PERMIT # 2007-407-21G

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT

CRITICAL AREA PERMIT / COASTAL ZONE CONSISTENCY CERTIFICATION / WATER
QUALITY CERTIFICATION

Permittee(s): The Daniel Island Company

Permit Number(s): 2007-407-2IG-P

Date of Issuance: July 9, 2007

Expiration Date: July 9, 2012

Location: On and adjacent to the Wando River, south of the terminus of River Landing Drive, Daniel Island, City of Charleston, Berkeley County, South Carolina. (Latitude: 32.85429 – Longitude: 79.90275)

SEE SPECIAL
CONDITIONS

This permit/certification is issued under the provisions of 25A S.C. Code Ann. Regs. 61-101 (Supp. 2005), et seq., and 23A S.C. Code Ann. Regs. 30-1 through 30-18 (Supp. 2005). Additionally, as required by R.61-101, Department staff have reviewed plans for this project and determined there is a reasonable assurance the project will be conducted in a manner consistent with Certification requirements of Section 401 of the Clean Water Act. We also certify that this project, subject to the indicated conditions, is consistent with applicable provisions of Section 303 of the Clean Water Act, as amended, that there are no applicable effluent limitations under Sections 301(b) and 302, and that there are no applicable standards under Sections 306 and 307.

This permit contains required certification pursuant to Section 401 of the Clean Water Act. Work may not commence under this permit until thirty (30) days after final signature by an OCRM official. PLEASE CAREFULLY READ THE ENCLOSED "NOTICE OF APPEAL PROCEDURE."

Please carefully read the project description and any special conditions, which may appear on this permit/certification, as they will affect the work that is allowed. If there are no special conditions, then the work is authorized as described in the project description and as modified by general conditions. The general conditions are also a part of this permit/certification and should be read in their entirety. The S. C. Contractor's Licensing Act of 1999, enacted as Section 40-11-5 through 430, requires that all construction with a total cost of \$5,000 or more be performed by a licensed contractor with a valid contractor's license for marine class construction, except for construction performed by a private landowner for strictly private purposes. Your signature on and acceptance of this permit denotes your understanding of the stated law regarding use of licensed contractors. **All listed special and general conditions will remain in effect for the life of the project if work commences during the life of the permit. This applies to permittee, future property owners, or permit assignees.**

DESCRIPTION OF THE PROJECT, AS AUTHORIZED

The plans submitted by you, attached hereto, show the work consists of constructing a marina facility will include 341 wet slips in the Wando River providing moorage for boats from 35' to 115' in length, including, 288 designated commercial slips with finger piers and timber mooring piles, 20 designated public slips with finger piers and 33 designated commercial slips along approximately 3,894 linear feet of side tie moorage, a harbormaster's office, fuel and sewage pump out facilities, dry stack

storage operation and floating breakwater. Upland support facilities will include bathrooms, showers, laundry facility and parking for a minimum of 183 vehicles. The dry stack storage operation will consist of one building for the storage of up to 208 boats 15' to 30' in length. Forklifts will be utilized to move boats to and from the building and the launch and retrieve pier in the marina basin. Proposed moorage for staging of boats for dry stack operations is approximately 530 linear feet (LF). No fill or excavation in wetlands or the Wando River is proposed with this application. The purpose of this project is to construct and operate a commercial marina facility in the Wando River on Daniel Island, to provide boat moorage and marina services to the residents of Daniel Island and members of the general public.

CRITICAL AREA PERMIT SPECIAL CONDITIONS

1. Provided the operations of the marina shall be reviewed by the Department as deemed appropriate, but at least every five years. Based on this review, the Department may require, among other things, changes or additions to the Operations and Maintenance Manual (manual) to address any water quality or other environmental problems, and a reduction in the size of, or a change in the configuration of, the marina. Such action may be taken at any time the Department determines that significant state water quality compliance or other problems exist, at the time the Department enlarges the closure area, or at the time of a review. The manual submitted for this facility is made a part of this permit and must be followed in the operation of this facility unless otherwise amended in writing by OCRM. The manual must be reviewed and revised to keep it up-to-date with existing facilities and operations. The manual must be in accordance with R. 30-12(E)(6) or the Rules and Regulations for Permitting in the Critical Areas of the Coastal Zone and with OCRM's Marina/Commercial Dock Operations And Maintenance Manual Requirements.
2. Provided a stormwater plan for the marina, associated parking area, and other facilities must be submitted to and approved in writing by the OCRM staff before any work is performed under this permit.
3. Provided a functional wastewater pumpout system must be provided at the marina and must be adequate to handle all wastewater generated at the marina. The design and installation of the pumpout and disposal system must be approved by SCDHEC's Division of Domestic Wastewater, Construction Management Section. No dock may be occupied until the pumpout and disposal system has been built and given a final permit to operate by SCDHEC.
4. Provided that wastewater pumpout services are provided to permanent tenants and transients or other users of the marina.
5. Provided the discharge of any kind of waste into state waters, including, but not limited to, garbage, refuse, trash or debris, will be prohibited at the marina. Any lease agreement used to rent dock space shall include a statement prohibiting the discharge of these items or general garbage or other deleterious substances into the waters of the marina. It will also stress the need to maintain good water quality within the marina.
6. Provided the storage or disposal of new or used batteries, oil or lubrication containers, fuel containers, solvents, toxic cleaners, paint cans, etc., on the marina docks is prohibited.

7. Signs must be posted on all docks, piers and areas adjacent to the facility stating the following:

"It is against both Federal and State Laws to discharge raw, untreated sewage from any description of watercraft into the waters of South Carolina."

Signs should be at least 14" by 18" in size so they can be read clearly.

8. Provided the marina must provide adequate bathroom facilities at a location to encourage their use.
9. Provided that plans for any potable water supplied to the marina docks must be approved in writing by SCDHEC.
10. Provided the marina must have adequate booms available to isolate any oil or fuel spill around the fuel dock, a leaking boat, or a sunken boat. These booms must be stored in a location where they are quickly and easily accessible.
11. Provided the marina must have absorbent pads available for boat use and for removing incidental spills during fueling operations.
12. Provided an experienced operator shall be in charge of the marina and be responsible for compliance with the issued Operations and Maintenance Manual and with all conditions of the permit.
13. Provided the marina lease agreement with boat owners must include a provision requiring that boat owners comply with all applicable State and federal regulations. The marina shall ensure that violations are reported promptly to the proper authorities.
14. Provided a complete copy of the marina permit, including the Operations and Maintenance Manual and all conditions or requirements placed on the permit, shall be readily available at the marina.
15. Provided the marina shall prominently display and distribute material pertaining to the maintenance of water quality standards at the marina and report violations of such standards to the proper authorities.
16. Provided the applicant must develop a spill prevention and clean up plan for this project. The plan should contain the names of appropriate officials to contact in case of a reportable spill and outline measures to be taken. Clean up materials, such as absorbent pads and booms, must be kept at the project site for small spills. This plan must be submitted to the Department for review and approval prior to initiation of the project. In most cases, this will be a part of the O & M Manual.
17. Provided all parts of the docking structure are used for water dependent purposes only. No food or beverage service, vending machines, T-shirt sales, concessions, etc. are allowed on or across these dock facilities.

18. Provided all facilities and services within the marina are the responsibility of the marina owner/operator (permittee) unless otherwise legally authorized.
19. Provided that if dock boxes are allowed at the marina then they should be of a type that is leak- proof so that any material that spills or leaks inside the box will not leak out onto the marina docks and into the waters of the marina.
20. Provided that nonwater dependent structures, including buildings, houses, or offices that float, shall be prohibited at the marina unless specifically authorized by OCRM. OCRM shall at its discretion determine on a case-by-case basis whether or not a floating structure is a boat and thus exempt from the Act or in fact is a nonwater dependent structure. This shall be based upon the primary function of the floating structure. The mere fact that a structure is registered as a vessel or capable of being propelled does not mean it is exempt from the Department regulations.
21. Provided no materials are allowed to be stored in the critical area adjacent to the construction site and that all debris, litter, concrete spillage, etc be cleaned up at least weekly.
22. Provided that an as-built survey of the marina must be submitted to the Department within 90 days of the expiration date of the final construction placard. The survey must be performed by a registered land surveyor, must show all components of the marina in the SC State Plane Coordinate System, which can be obtained by survey-grade Global Positioning System equipment.
23. Provided that in the event that archaeological or paleontological remains are found during the course of work, the applicant should notify the South Carolina Institute of Archaeology and Anthropology (Mr. James Spirek at 803-777-8170) pursuant to South Carolina Underwater Antiquities Act of 1991, (Article 5 Chapter 7, Title 54, Code of Laws of South Carolina, 1976). Archaeological remains consist of any materials made or altered by man, which remain from past historic or prehistoric times (ie, older than 50 years). Examples include old pottery fragments, metal, wood, arrowheads, stone implements or tools, human burials, historic docks, structures, or non-recent vessel remains. Paleontological remains consist of old animal remains, original or fossilized, such as teeth, tusks, bone, or entire skeletons.

WATER QUALITY SPECIAL CONDITIONS

1. All necessary measures must be taken to prevent oil, tar, trash, debris and other pollutants from entering the adjacent waters or wetlands during construction.
2. Construction activities must avoid to the greatest extent possible, encroachment into any wetland areas not designated as impact areas.
3. The applicant must implement best management practices, in upland areas, that will minimize erosion and migration of sediments on and off the project site during and after construction. These practices should include the use of appropriate grading and sloping techniques, mulches, hay bales, silt fences, or other devices capable of preventing erosion, migration of sediments and bank

failure. All disturbed land surfaces and sloped areas must be stabilized and sloped with a minimum 3/1 slope upon project completion.

4. All efforts must be made to protect existing native riparian vegetation in and along shoreline areas.
5. This walkway and pierhead must be located and constructed to minimize disturbance to shellfish beds and direct encroachment on shellfish beds should be avoided.
6. Sections of the proposed walkway over marsh must be located to minimize shading impacts on emergent marsh vegetation.
7. Litter receptacles must be located near the walkway and pierhead.
8. Only clean earthen material free of all potential sources of pollution must be used as backfill.
9. The floating dock must be constructed with encased or encapsulated floatation devices.

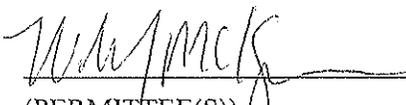
SEE SPECIAL
CONDITIONS(S)

PERMITTEE'S ATTENTION IS DIRECTED TO GENERAL CONDITIONS NUMBERS FOUR (4) AND FIVE (5). BY ACCEPTANCE OF THIS PERMIT, PERMITTEE IS PLACED ON NOTICE THAT THE STATE OF SOUTH CAROLINA, BY ISSUING THIS PERMIT, DOES NOT WAIVE ITS RIGHTS TO REQUIRE PAYMENT OF A REASONABLE FEE FOR USE OF STATE LANDS AT A FUTURE DATE IF SO DIRECTED BY STATUTE.

THE PERMITTEE, BY ACCEPTANCE OF THIS PERMIT AGREES TO ABIDE BY THE TERMS AND CONDITIONS CONTAINED HEREIN AND TO PERFORM THE WORK IN STRICT ACCORDANCE WITH THE PLANS AND SPECIFICATIONS ATTACHED HERETO AND MADE A PART HEREOF. ANY DEVIATION FROM THESE CONDITIONS, TERMS, PLANS AND SPECIFICATIONS SHALL BE GROUNDS FOR REVOCATION, SUSPENSION OR MODIFICATION OF THIS PERMIT AND THE INSTITUTION OF SUCH LEGAL PROCEEDINGS AS THE DEPARTMENT MAY CONSIDER APPROPRIATE.

Permit Number: 2007-407-2IG-P

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

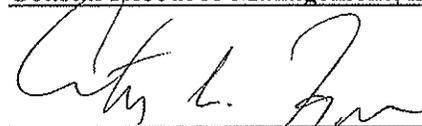


(PERMITTEE(S))
The Daniel Island Company

7/13/07

(DATE)

This permit becomes effective when the State official, designated to act for the Office of Ocean and Coastal Resource Management, has signed below.



(MANAGER, CRITICAL AREA PERMITTING)
Curtis M. Joyner
Or his Designee
Other Authorized State Official

7/9/07

(DATE)

SEE SPECIAL
CONDITIONS(S)

GENERAL CONDITIONS:

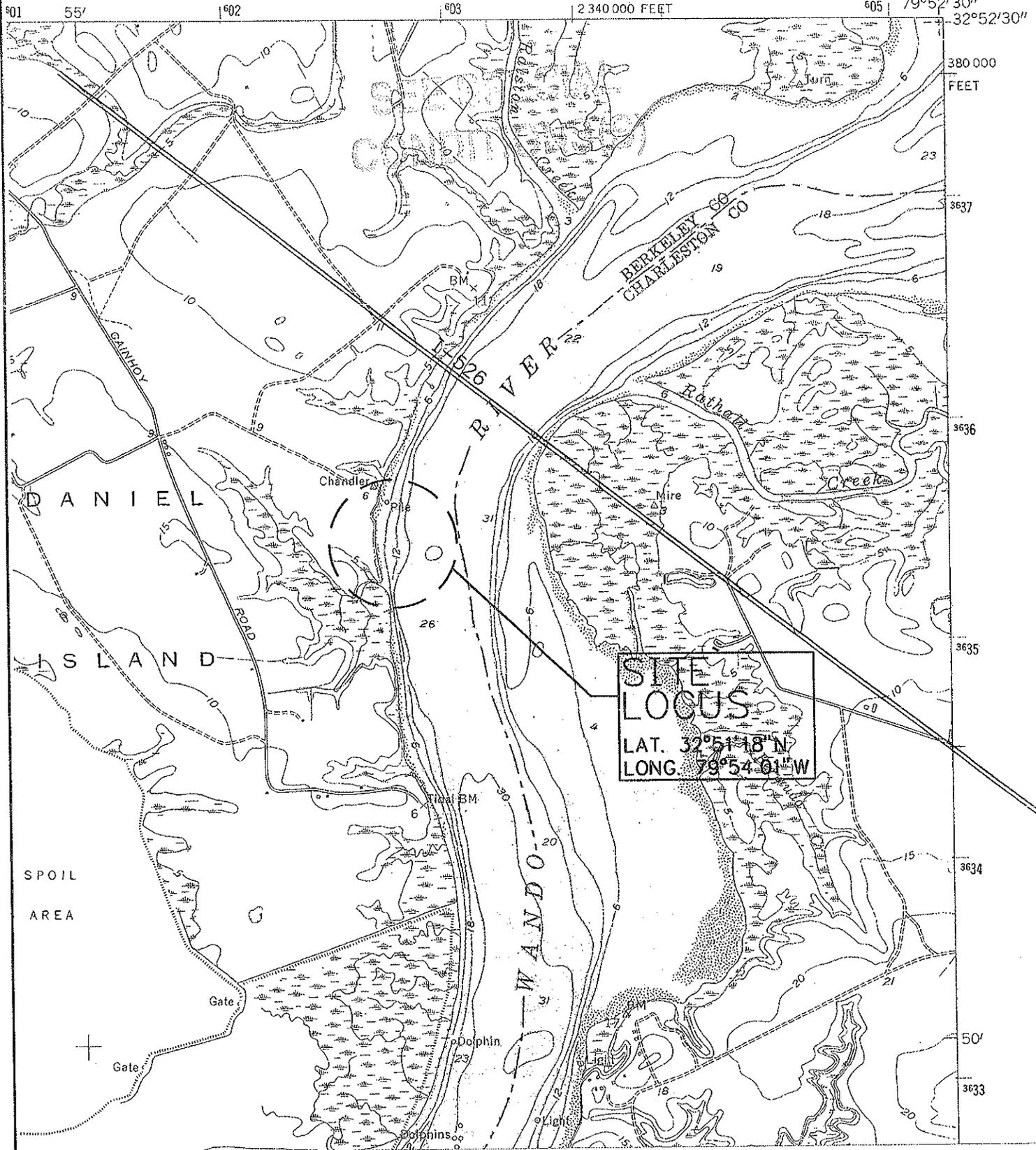
This construction and use permit is expressly contingent upon the following conditions which are binding on the permittee:

1. That the permittee, in accepting this permit, covenants and agrees to comply with and abide by the provisions and conditions herein and assumes all responsibility and liability and agrees to save OCRM and the State of South Carolina, its employees or representatives, harmless from all claims of damage arising out of operations conducted pursuant to this permit.
2. That if the activity authorized herein is not constructed or completed within five years of the date of issuance, this permit shall automatically expire. A request, in writing, for an extension of time shall be made not less than sixty days prior to the expiration date.
3. That all authorized work shall be conducted in a manner that minimizes any adverse impact on fish, wildlife and water quality.
4. That this permit does not relieve the permittee from the requirements of obtaining a permit from the U. S. Army Corps of Engineers or any other applicable federal agency, nor from the necessity of complying with all applicable local laws, ordinances, and zoning regulations. This permit is granted subject to the rights of the State of South Carolina in the navigable waters and shall be subject, further, to all rights held by the State of South Carolina under the public trust doctrine as well as any other right the State may have in the waters and submerged lands of the coast.
5. That this permit does not convey, expressly or impliedly, any property rights in real estate or material nor any exclusive privileges; nor does it authorize the permittee to alienate, diminish, infringe upon or otherwise restrict the property rights of any other person or the public; nor shall this permit be interpreted as appropriating public properties for private use.
6. That the permittee shall permit OCRM or its authorized agents or representatives to make periodic inspections at any time deemed necessary in order to ensure that the activity being performed is in accordance with the terms and conditions of this permit.
7. That any abandonment of the permitted activity will require restoration of the area to a satisfactory condition as determined by OCRM.
8. That this permit may not be transferred to a third party without prior written notice to OCRM, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit and thereby agreeing to comply.
9. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and special signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.
10. That the permit construction placard or a copy of the placard shall be posted in a conspicuous place at the project site during the entire period of work.
11. That the structure or work authorized herein shall be in accordance with the plans and drawing attached hereto, and shall be maintained in good condition. Failure to build in accordance with the plans and drawings attached hereto, or failure to maintain the structure in good condition, shall result in the revocation of this permit.
12. That the authorization for activities or structures herein constitutes a revocable license. OCRM may require the permittee to modify activities or remove structures authorized herein if it is determined by OCRM that such activity or structures violates the public's health, safety, or welfare, or if any activity is inconsistent with the public trust doctrine. Modification or removal under this condition shall be ordered only after reasonable notice stating the reasons therefore and provision to the permittee of the opportunity to respond in writing. When the Permittee is notified that OCRM intends to revoke the permit, Permittee agrees to immediately stop work pending resolution of the revocation.
13. That OCRM shall have the right to revoke, suspend, or modify this permit in the event it is determined the permitted structure (1) significantly impacts the public health, safety and welfare, and/or is violation of Section 48-39-150, (2) adversely impacts public rights, (3) that the information and data which the permittee or any other agencies have provided in connection with the permit application is either false, incomplete or inaccurate, or (4) that the activity is not in compliance with the drawings submitted by the applicant. That the permittee, upon receipt of OCRM's written intent to revoke, suspend, or modify the permit has the right to a hearing. Prior to revocation, suspension, or modification of this permit, OCRM shall provide written notification of intent to revoke to the permittee, and permittee can respond with a written explanation to OCRM. (South Carolina Code Section 1-023-370 shall govern the procedure for revocation, suspension or modification herein described).
14. That any modification, suspension or revocation of this permit shall not be the basis of any claim for damages against OCRM or the State of South Carolina or any employee, agent, or representative of OCRM or the State of South Carolina.
15. That all activities authorized herein shall, if they involve a discharge or deposit into navigable waters or ocean waters, be at all times consistent with all applicable water quality standards, effluent limitations and standards of performance, prohibitions, and pretreatment standards established pursuant to applicable federal, state and local laws.
16. That extreme care shall be exercised to prevent any adverse or undesirable effects from this work on the property of others. This permit authorizes no invasion of adjacent private property, and OCRM assumes no responsibility or liability from any claims of damage arising out of any operations conducted by the permittee pursuant to this permit.

7/29

CHARLESTON QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)

5049 IV NE
(GAINHOY)



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL=0.67' (2.70')

VICINITY
MAP

USGS QUADRANGLE
MAP # 32079-G8-TF-024
1:25000

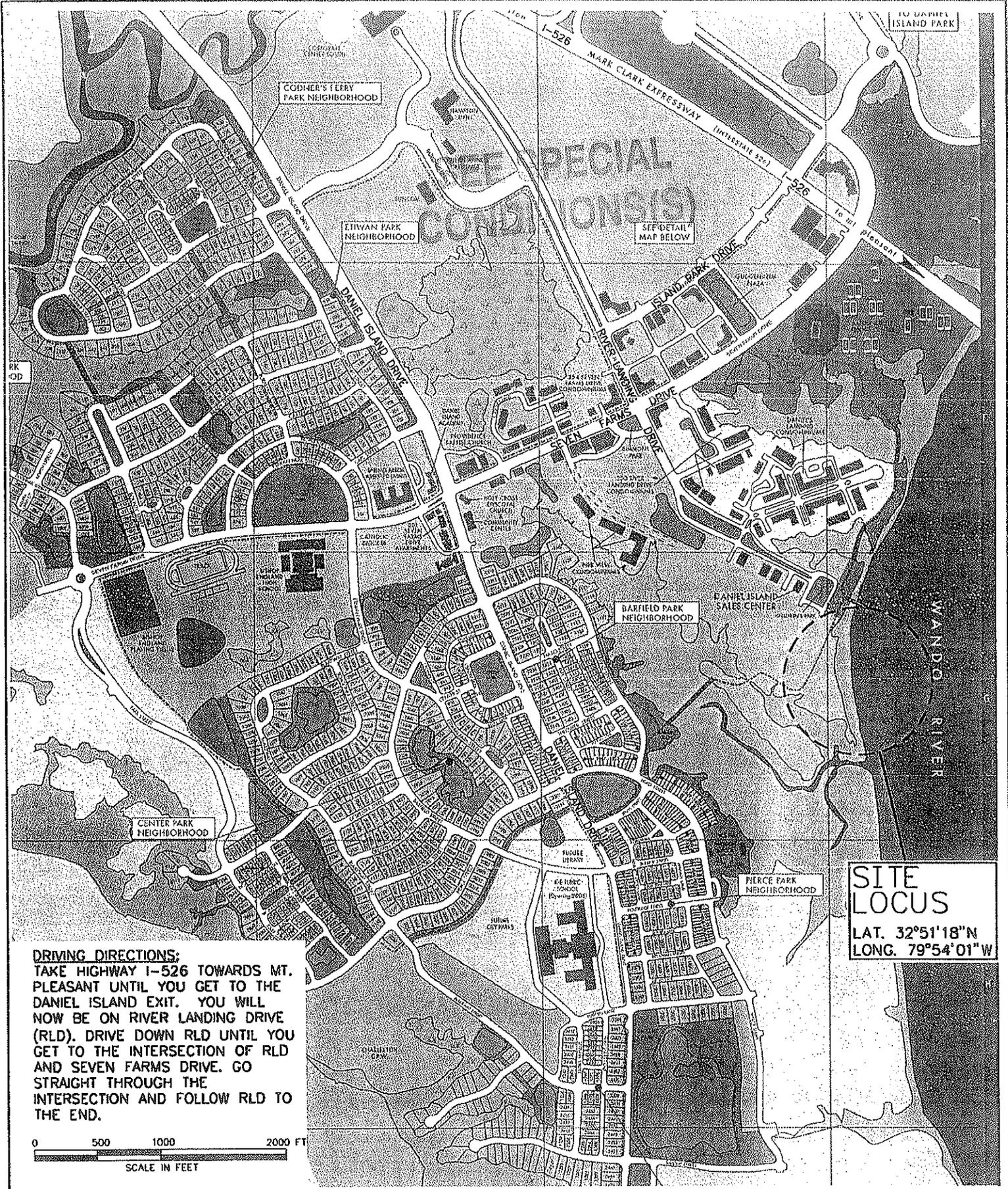
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007



SHEET 1 OF 22

Q 10a



DRIVING DIRECTIONS:
 TAKE HIGHWAY I-526 TOWARDS MT. PLEASANT UNTIL YOU GET TO THE DANIEL ISLAND EXIT. YOU WILL NOW BE ON RIVER LANDING DRIVE (RLD). DRIVE DOWN RLD UNTIL YOU GET TO THE INTERSECTION OF RLD AND SEVEN FARMS DRIVE. GO STRAIGHT THROUGH THE INTERSECTION AND FOLLOW RLD TO THE END.



SITE LOCUS
 LAT. 32°51'18"N
 LONG. 79°54'01"W

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NAD83 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
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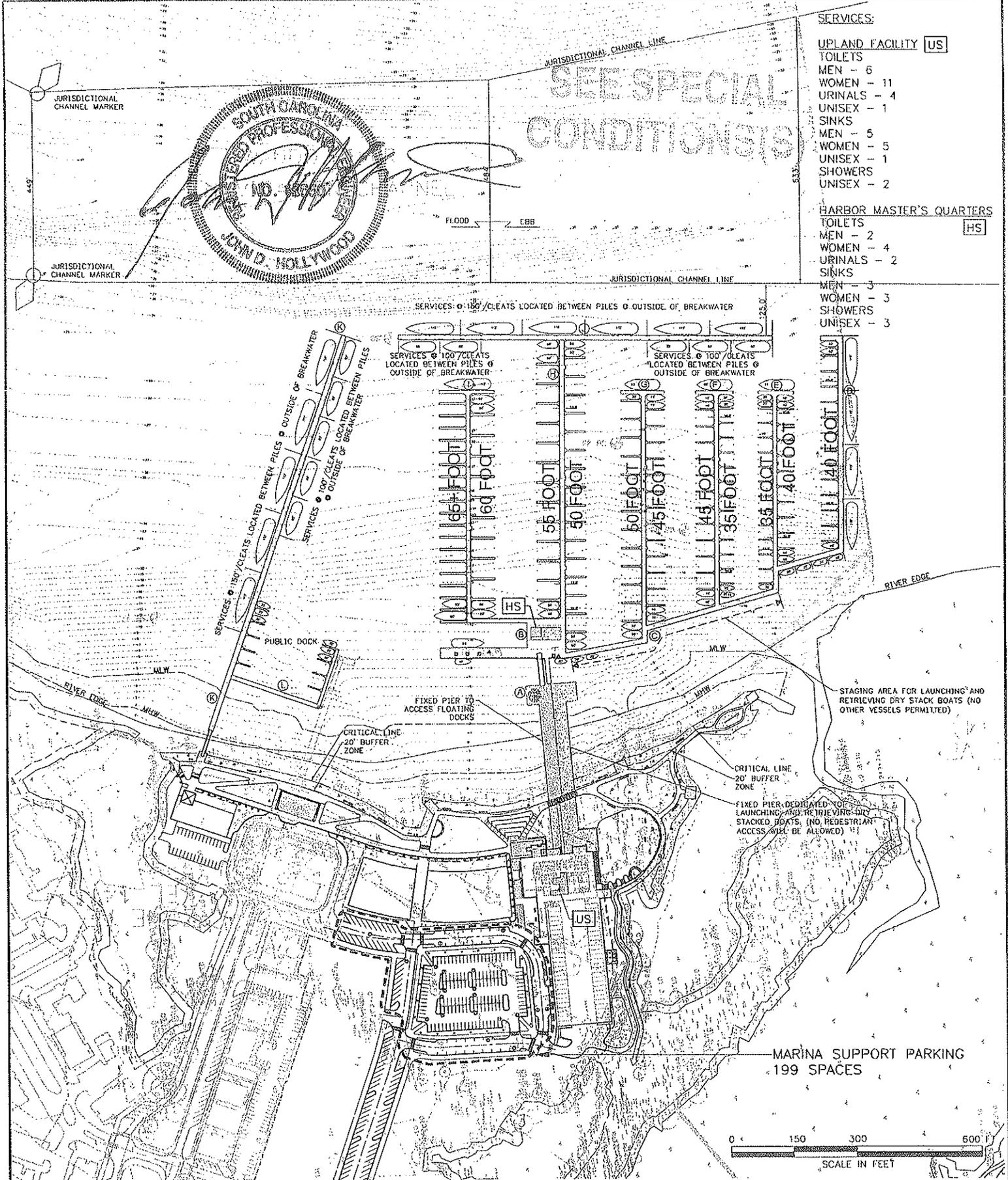
COUNTY ROAD MAP

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

SHEET 2 OF 22

9729



SEE SPECIAL CONDITIONS

- SERVICES:**
- UPLAND FACILITY **US**
 - TOILETS
 - MEN - 6
 - WOMEN - 11
 - URINALS - 4
 - UNISEX - 1
 - SINKS
 - MEN - 5
 - WOMEN - 5
 - UNISEX - 1
 - SHOWERS
 - UNISEX - 2
- HARBOR MASTER'S QUARTERS**
- TOILETS **HS**
 - MEN - 2
 - WOMEN - 4
 - URINALS - 2
 - SINKS
 - MEN - 3
 - WOMEN - 3
 - SHOWERS
 - UNISEX - 3

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
 MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

PROPOSED MARINA FULL PLAN VIEW

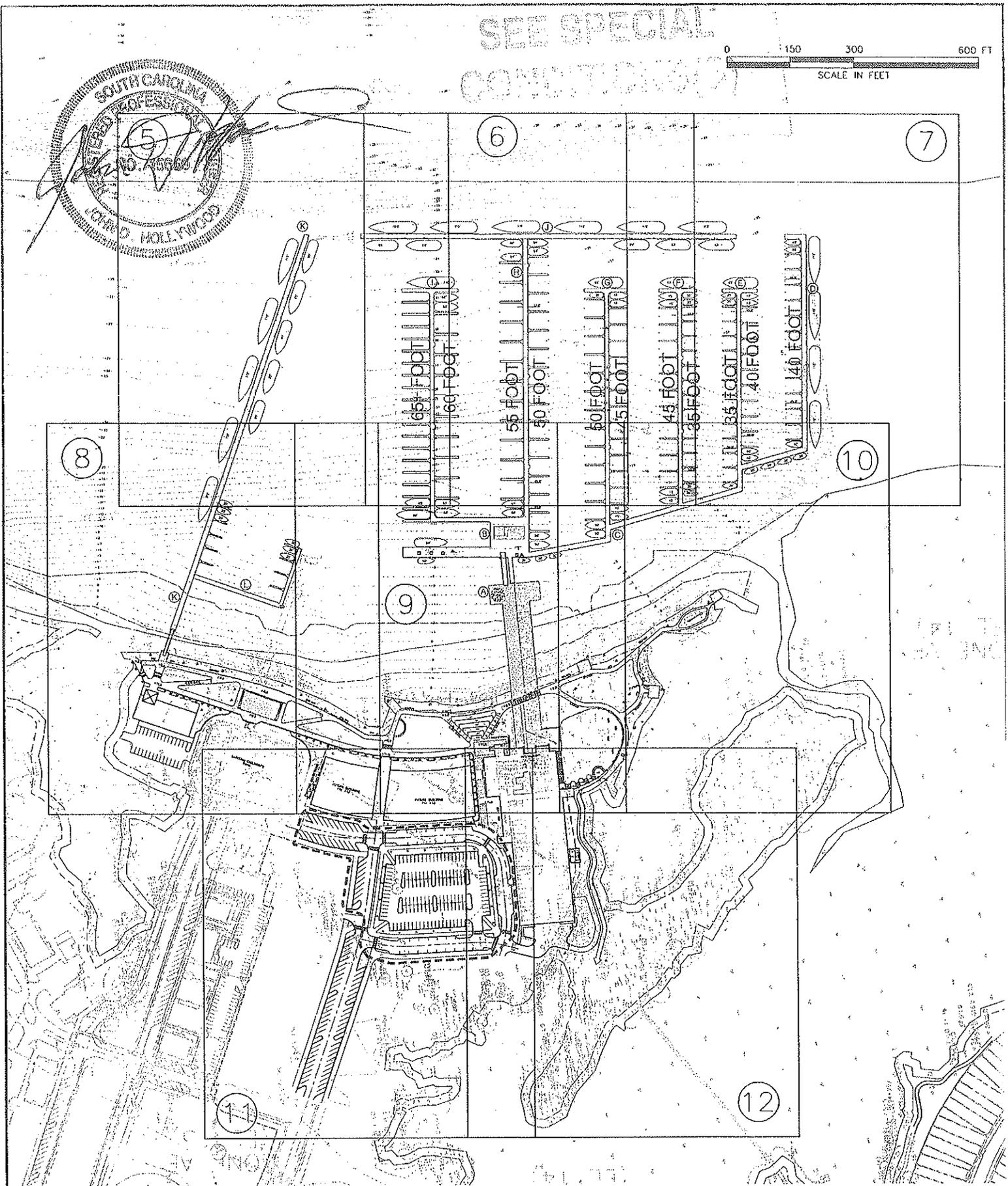
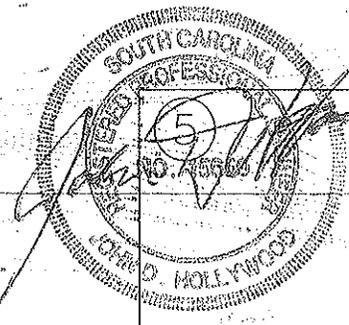
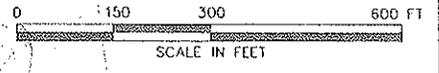
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



10/20

SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NCVD29 (MLW)
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 MHW =3.36' (5.39') MLLW=-2.21' (-0.18')
 MTL=0.67' (2.70')

PROPOSED MARINA KEY PLAN

PROPOSED MARINA PLAN IN: WANDO RIVER

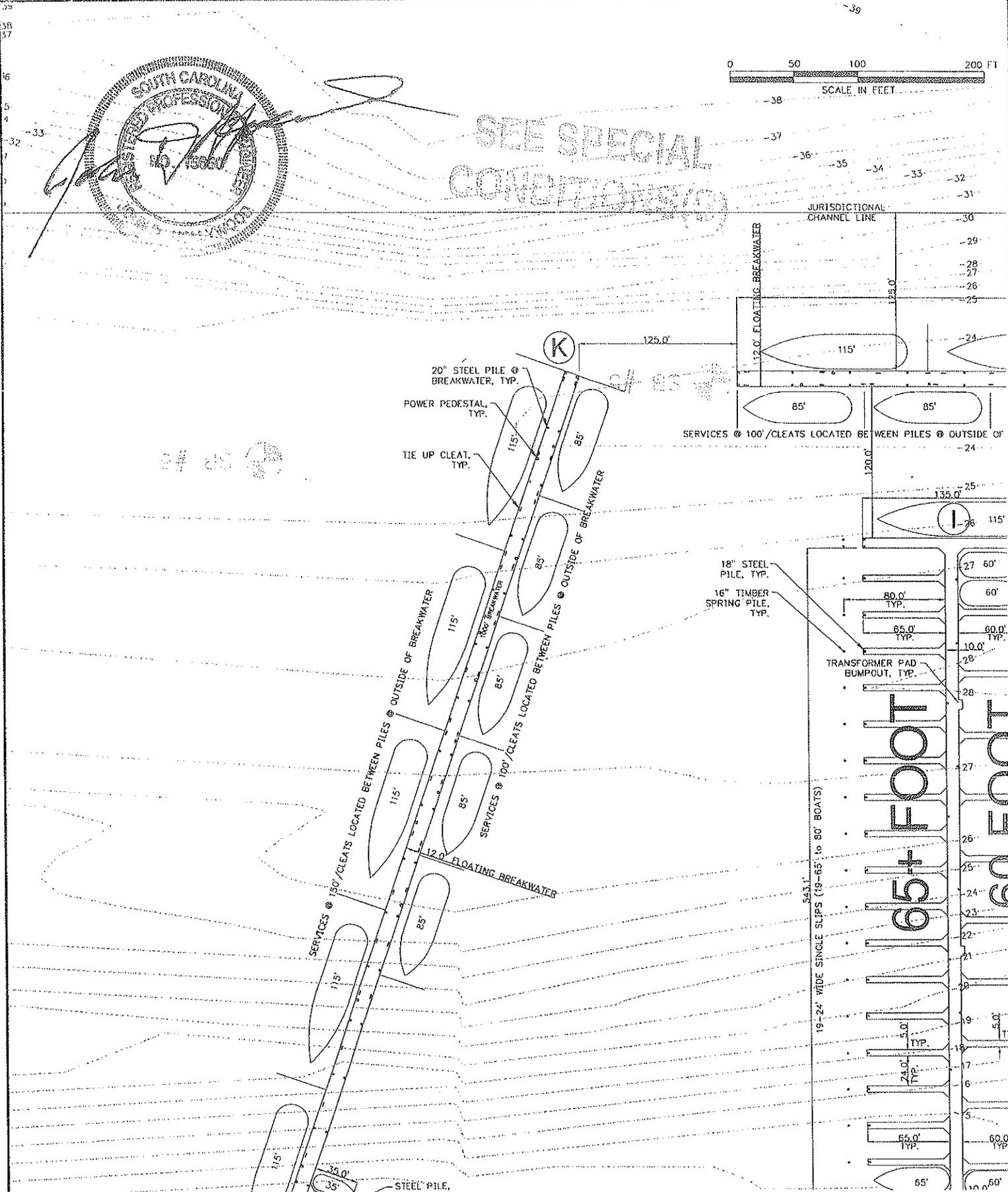
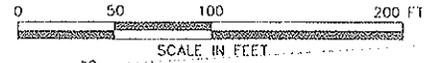
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

SHEET 4 OF 22





SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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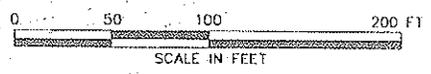
PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

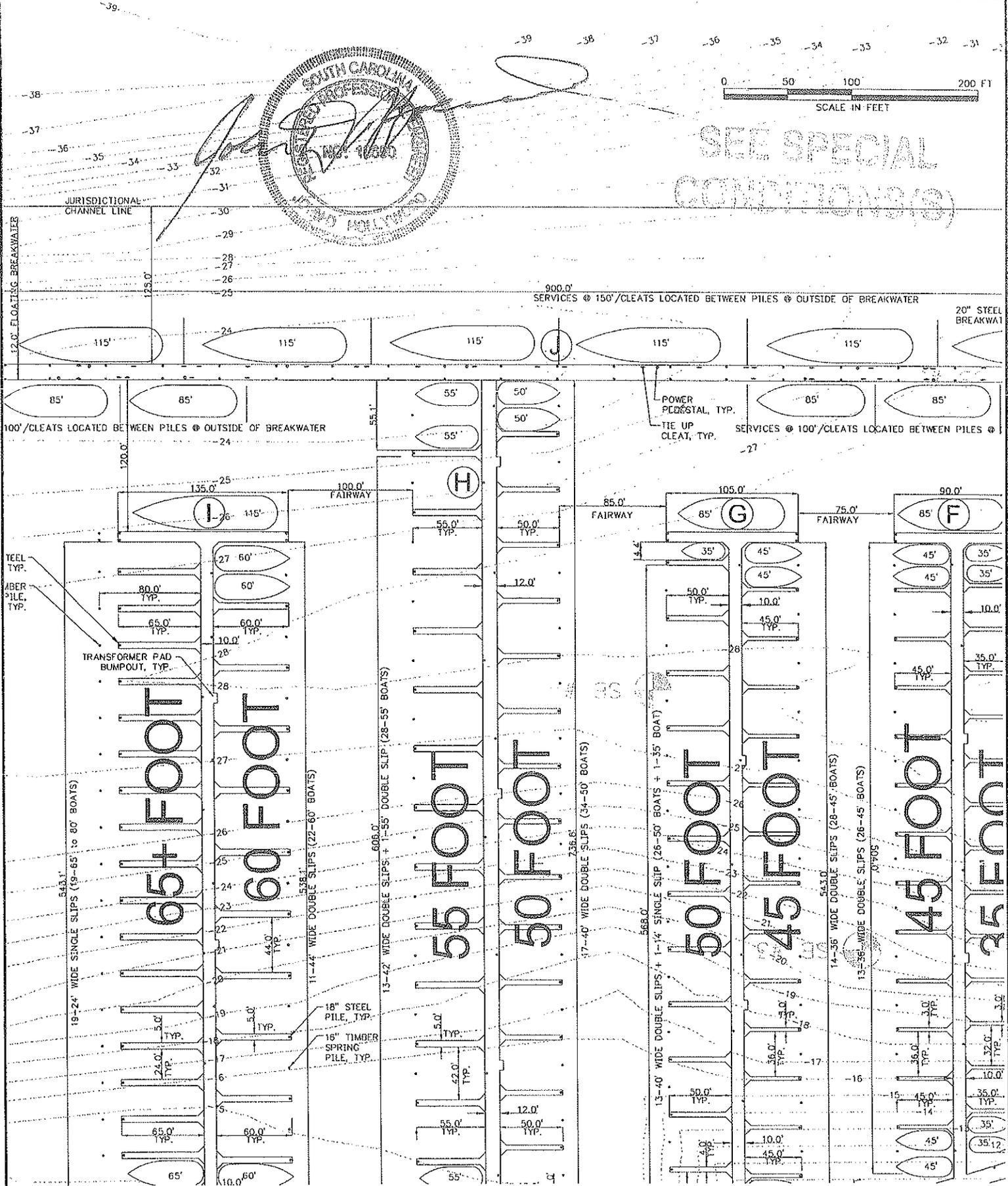
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



12/20



SEE SPECIAL
CONDITIONS (S)



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 MTL = 0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



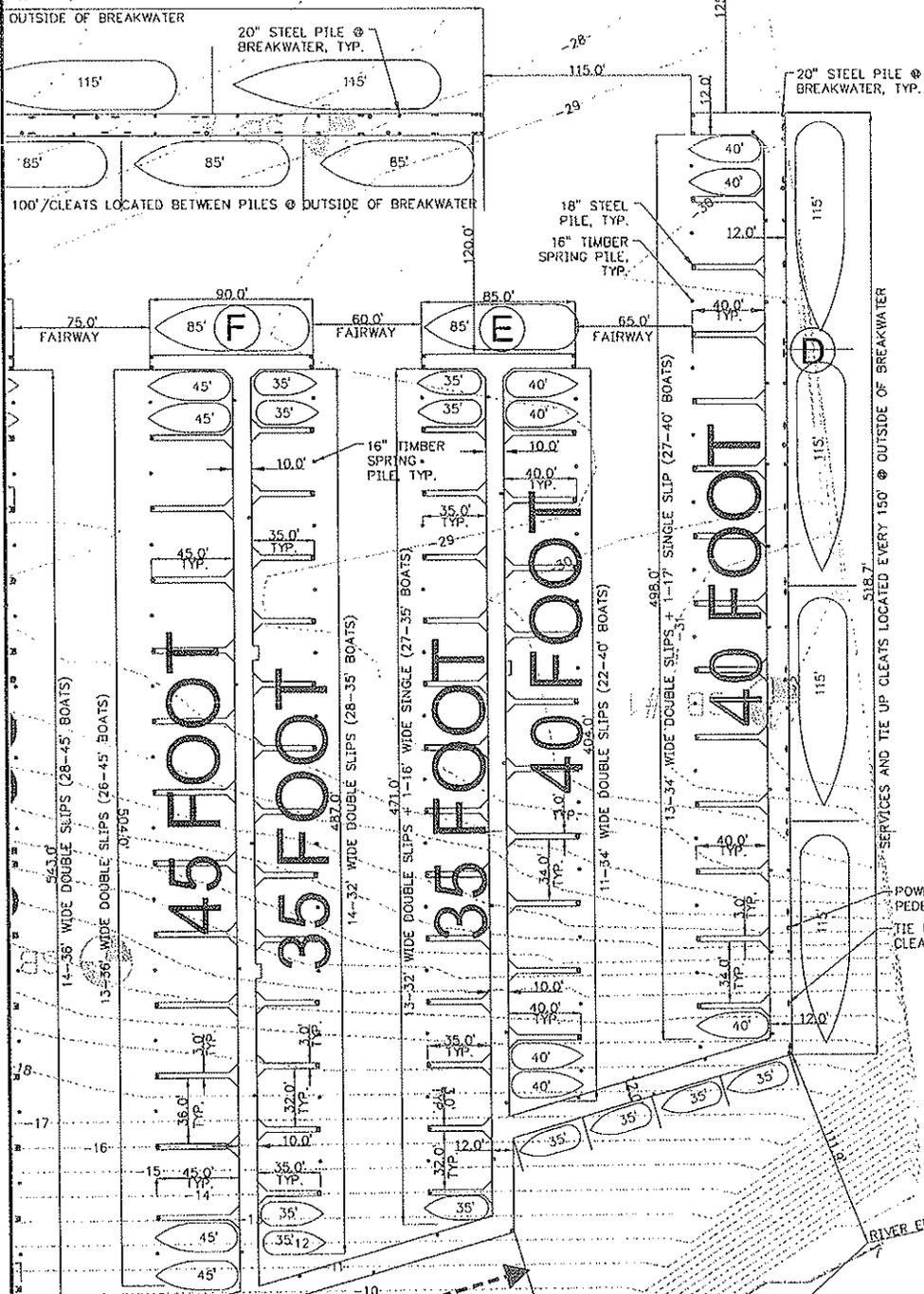
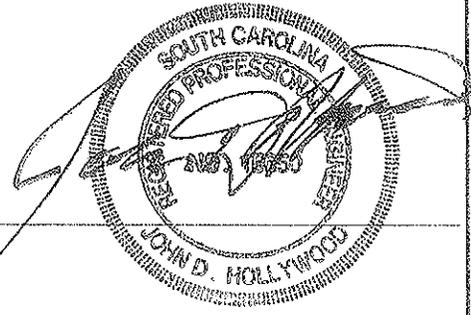
12/20

-34 -33 -32 -31 -30

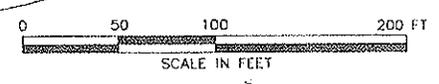
-29

-28

JURISDICTIONAL CHANNEL LINE



SEE SPECIAL CONDITIONS(S)



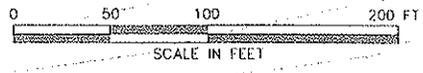
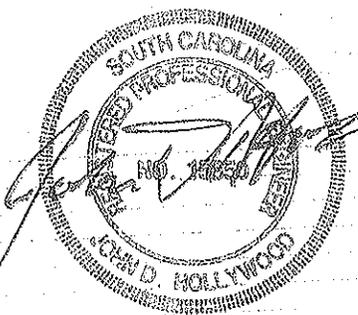
PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY
DATUM: NGVD29 (MLW)
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PROPOSED MARINA PLAN VIEW

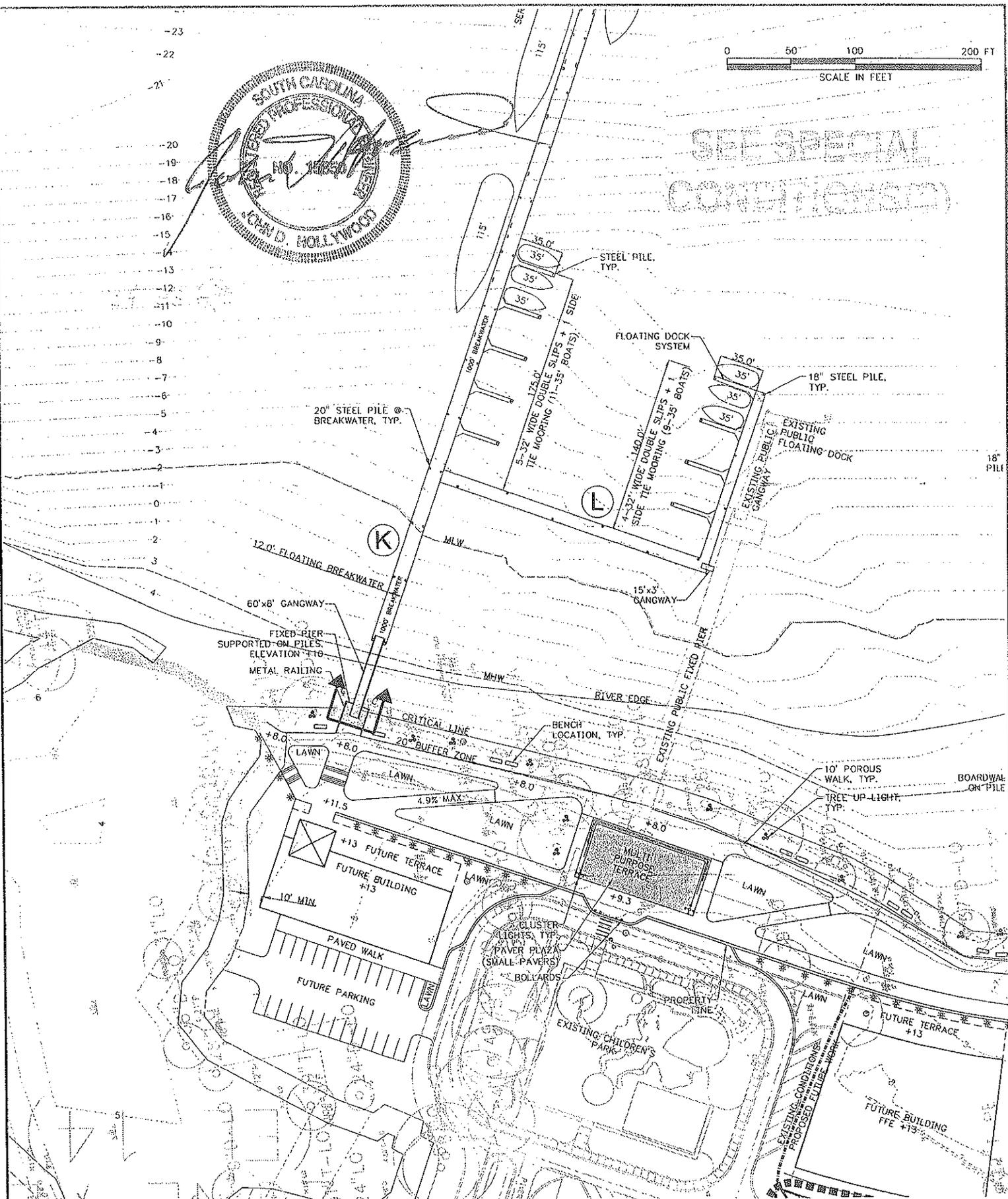
PROPOSED MARINA PLAN IN: WANDO RIVER
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

11/10/07

-23
-22
-21
-20
-19
-18
-17
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
0
-1
-2
-3
-4



SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



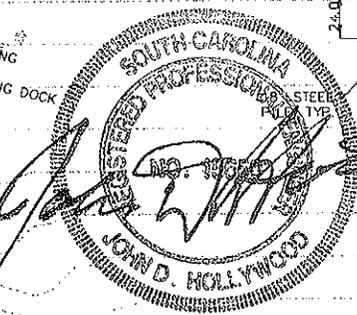
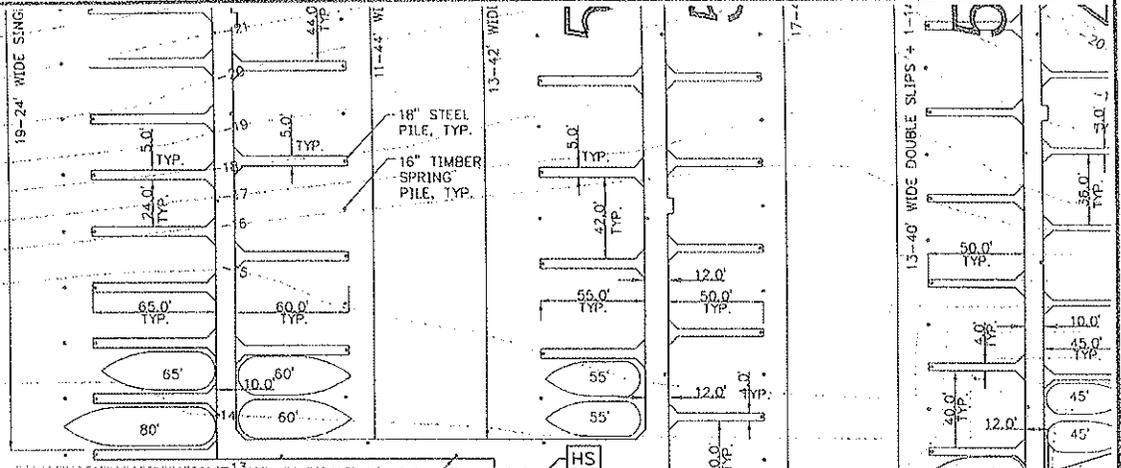
SERVICES:

UPLAND FACILITY [US]

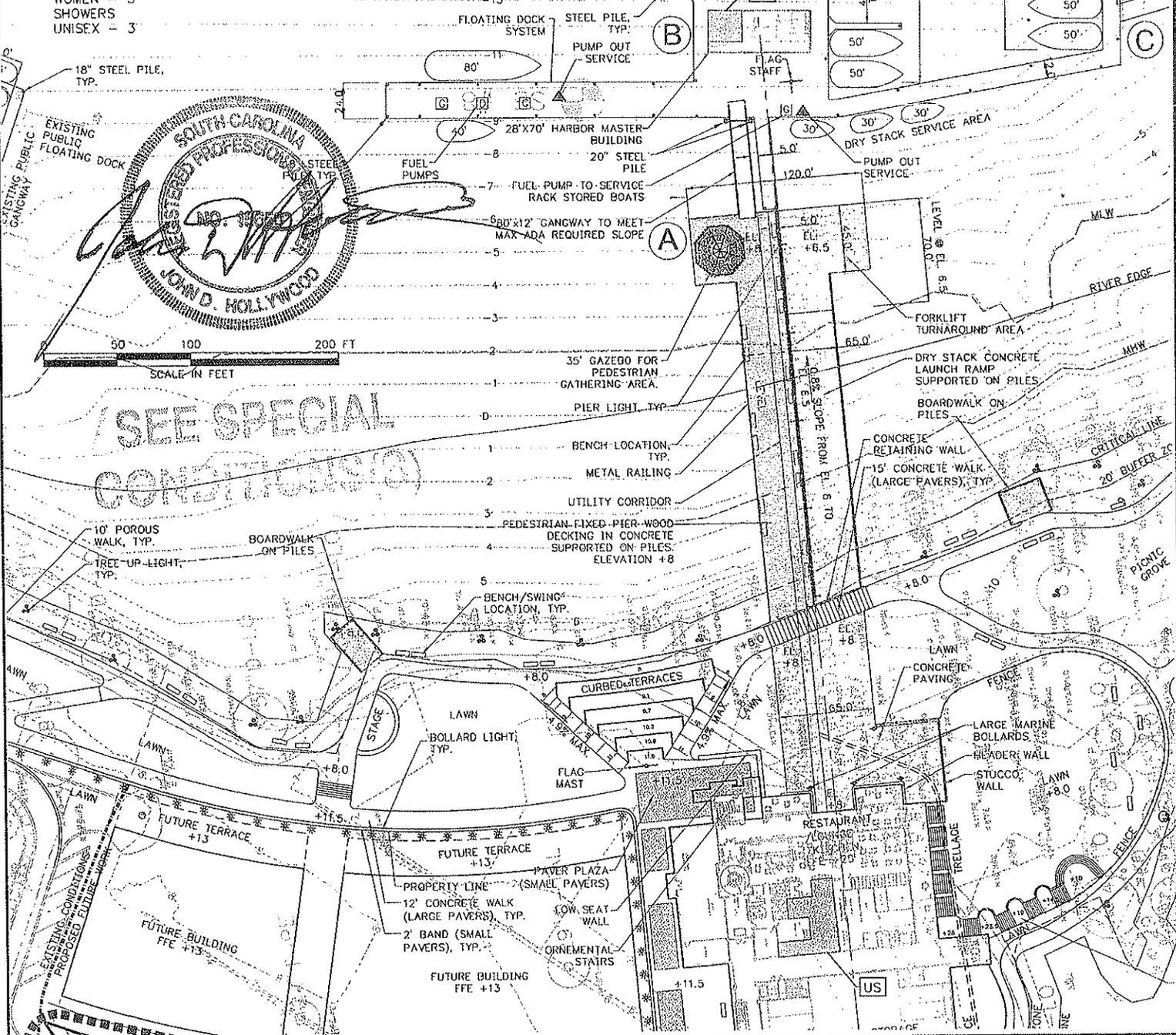
- TOILETS
- MEN - 6
- WOMEN - 11
- URINALS - 4
- UNISEX - 1
- SINKS
- MEN - 5
- WOMEN - 5
- UNISEX - 1
- SHOWERS
- UNISEX - 2

HARBOR MASTER'S QUARTERS

- TOILETS [HS]
- MEN - 2
- WOMEN - 4
- URINALS - 2
- SINKS
- MEN - 3
- WOMEN - 3
- SHOWERS
- UNISEX - 3



SEE SPECIAL CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

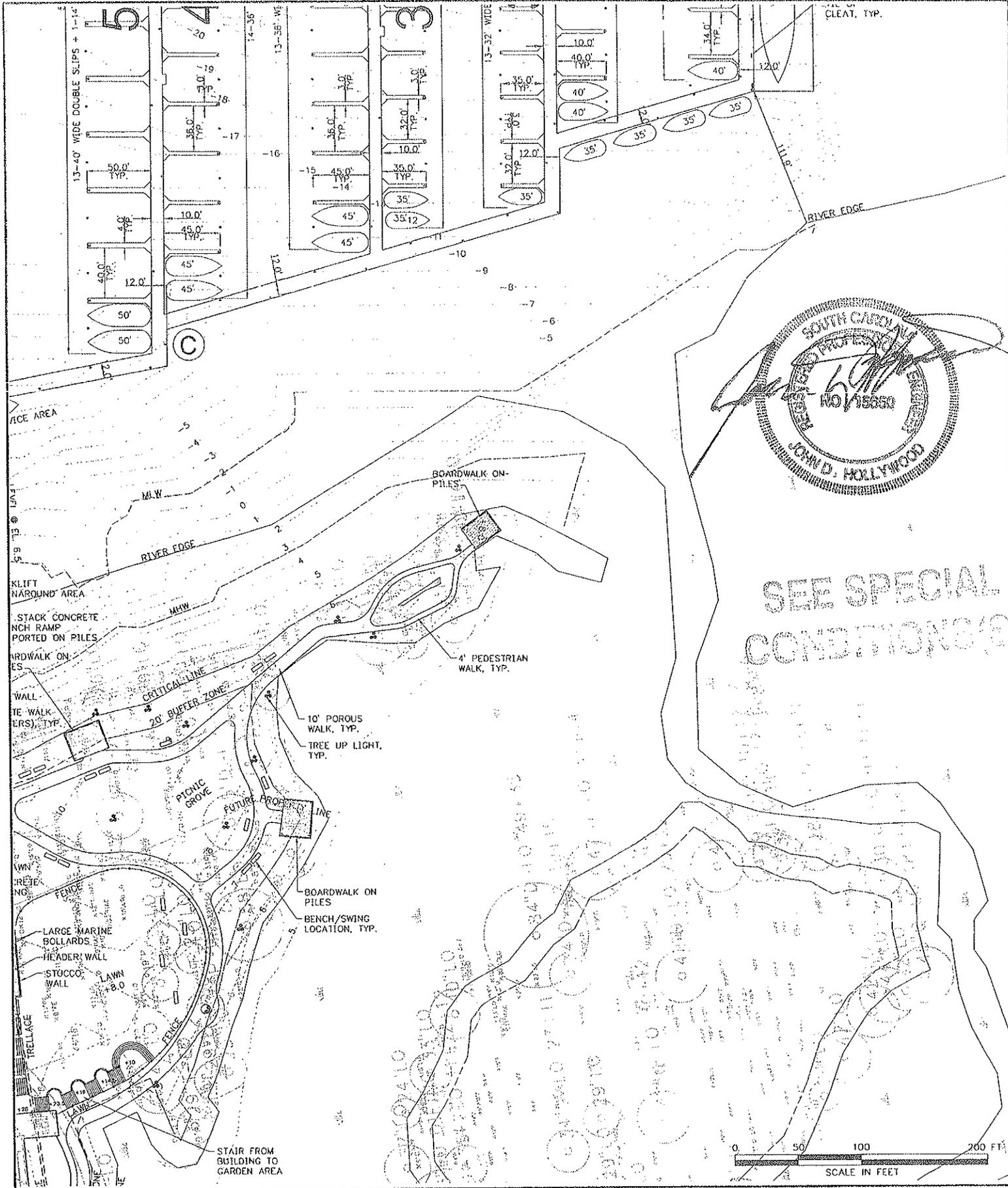
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

16.120



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

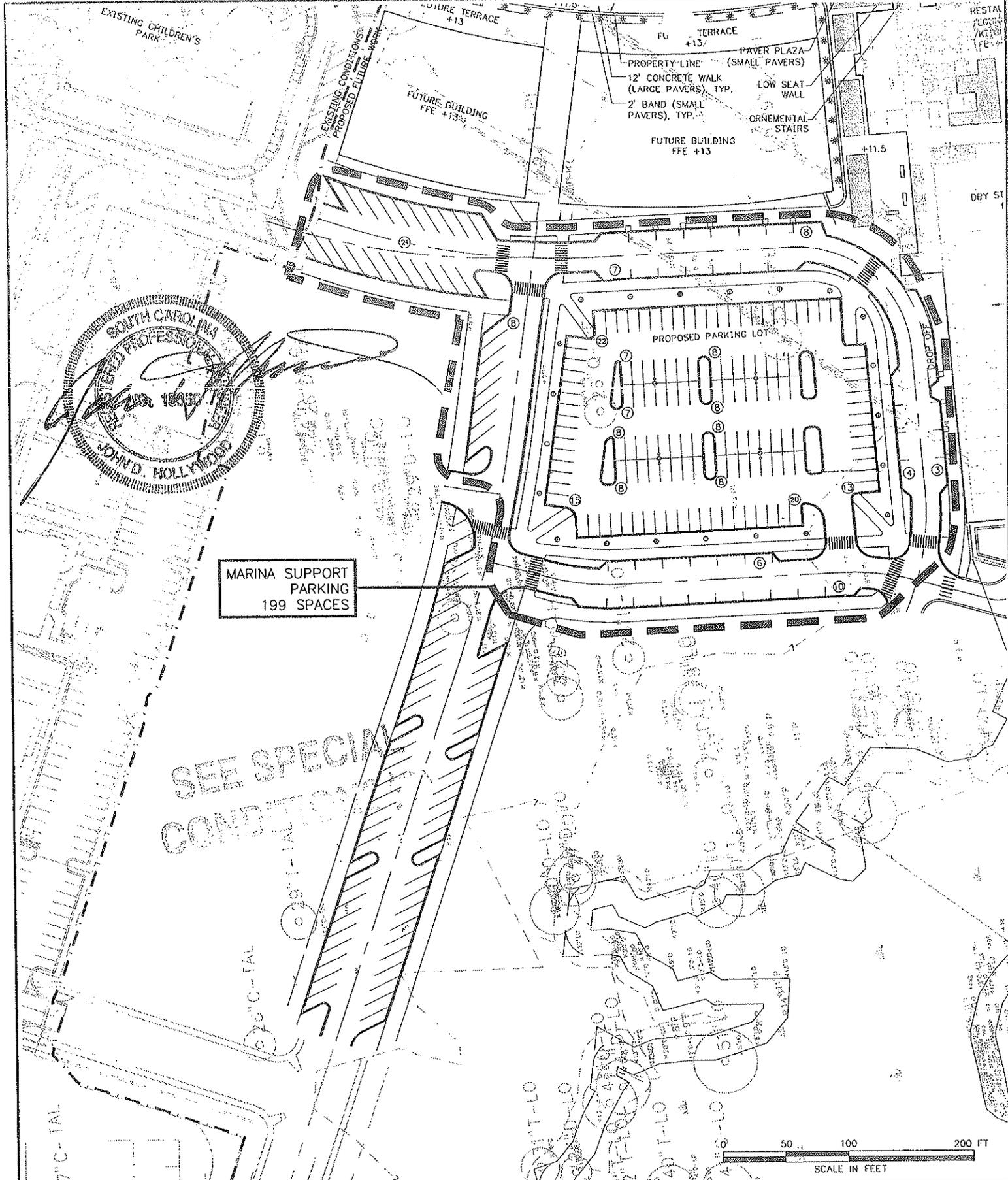
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

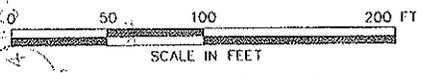
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007





MARINA SUPPORT
PARKING
199 SPACES

SEE SPECIAL
CONDITIONS



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA PLAN VIEW

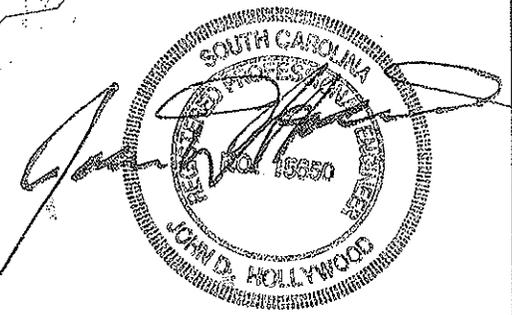
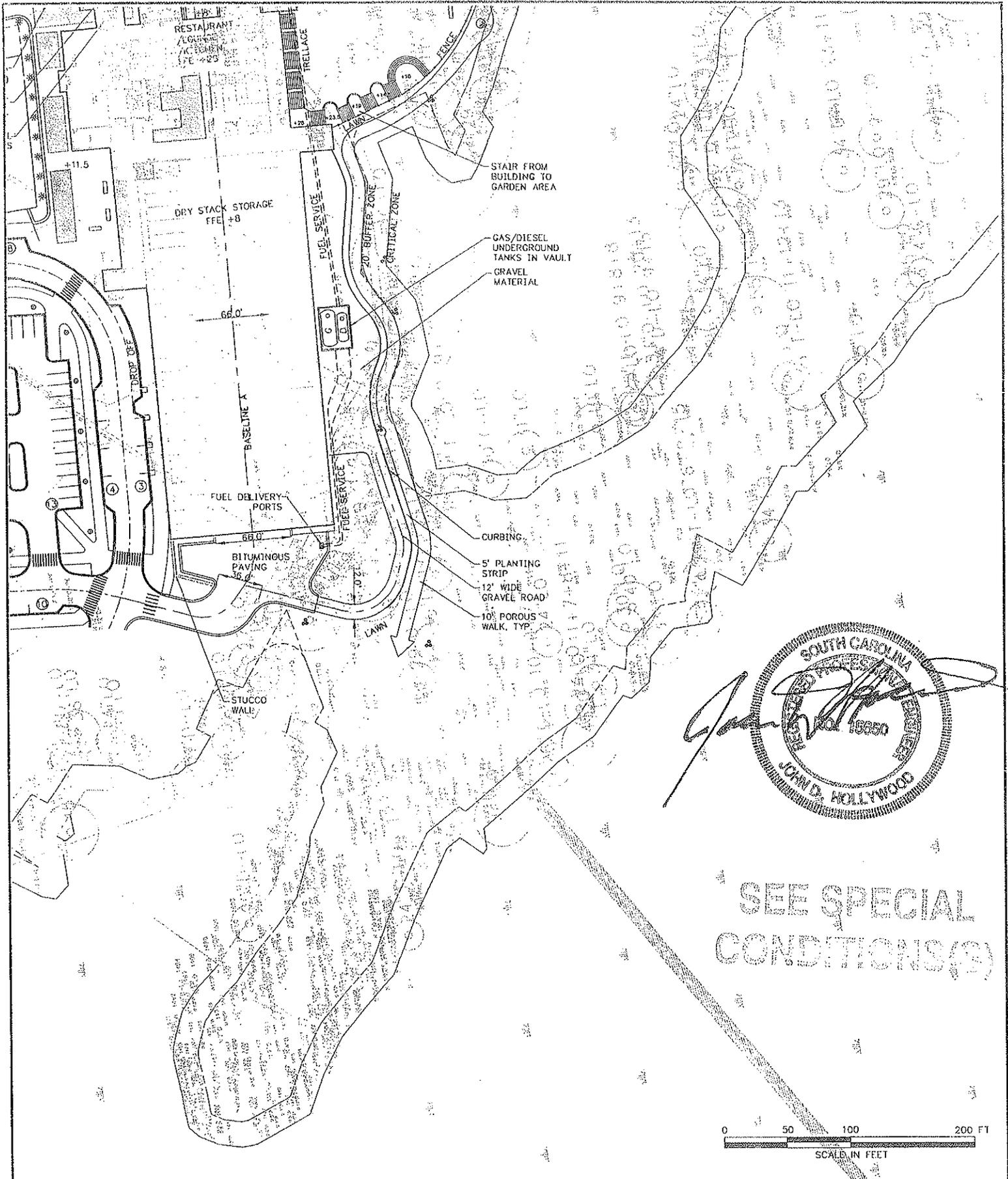
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

SHEET 11 OF 22



10/9



SEE SPECIAL
CONDITIONS(S)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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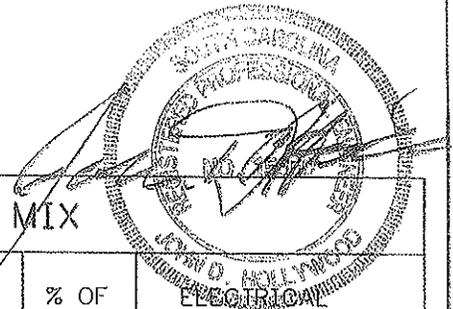
PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007



SEE SPECIAL
CONDITIONS



WET SLIPS AND DRY RACK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
DRY STACK:								
UP TO 30' IN DRY STORAGE	10'-12'	208	-	-	-	-	-	-
DESIGNATED WET SLIPS W/ FINGER PIERS:								
35'	13'	56	32'	3'	60'	DOUBLE	0.175	30A/30A-125V
40'	14.5'	49	34'	3'	65'	DOUBLE	0.153	30A/30A-125V
45'	16'	54	36'	3'	75'	DOUBLE	0.165	50A-125/250V
50'	18'	60	40'	4'	85'	DOUBLE	0.187	50A/50A-125/250V
55'	19'	28	42'	5'	100'	DOUBLE	0.087	50A/50A-125/250V
60'	20'	22	44'	5'	100'	DOUBLE	0.069	50A/50A-125/250V
65'+	21'	19	25'	5'	--	SINGLE	0.059	50A/50A-125/250V
DESIGNATED WET SLIPS W/ SIDE TIE MOORING:								
LARGE YACHTS, 85'-110'	25'	13	-	⊙ 12' BREAKWATER	--	PARALLEL	0.041	50A/50A-125/250V
85'-110' BOATS AT INSIDE OF BREAKWATERS AND END OF SLIP PIERS. SERVICES & TIE UPS EVERY 100'								
MEGA YACHTS, 115' AND 150'	27'	16	-	⊙ 12' BREAKWATER	--	PARALLEL	0.050	CUSTOM
115'+ AT OUTSIDE OF BREAKWATERS. SERVICES & TIE UPS EVERY 150'								
35'	13'	4	-		--	PARALLEL	0.013	30A/30A-125V
35' AT DOCK BETWEEN PIER E AND BREAKWATER 3. SERVICES & TIE UPS EVERY 40'.								

TOTAL: 321

PUBLIC DOCK BOATING MIX

VESSEL SIZE	BEAM WIDTH (FT)	NO. OF EACH SIZE	SLIP WIDTH (FT)	WIDTH OF FINGER	WIDTH OF FAIRWAY	SLIP CONFIGURATION	% OF TOTAL	ELECTRICAL POWER NEED
DESIGNATED WET SLIPS W/ FINGER PIERS:								
35'	13'	20	32'	3'	145'	DOUBLE	1.00	30A/30A-125V

TOTAL WET: 20

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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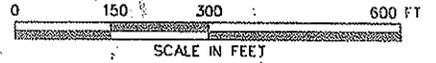
PROPOSED MARINA
BOATING MIX

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007



7070a

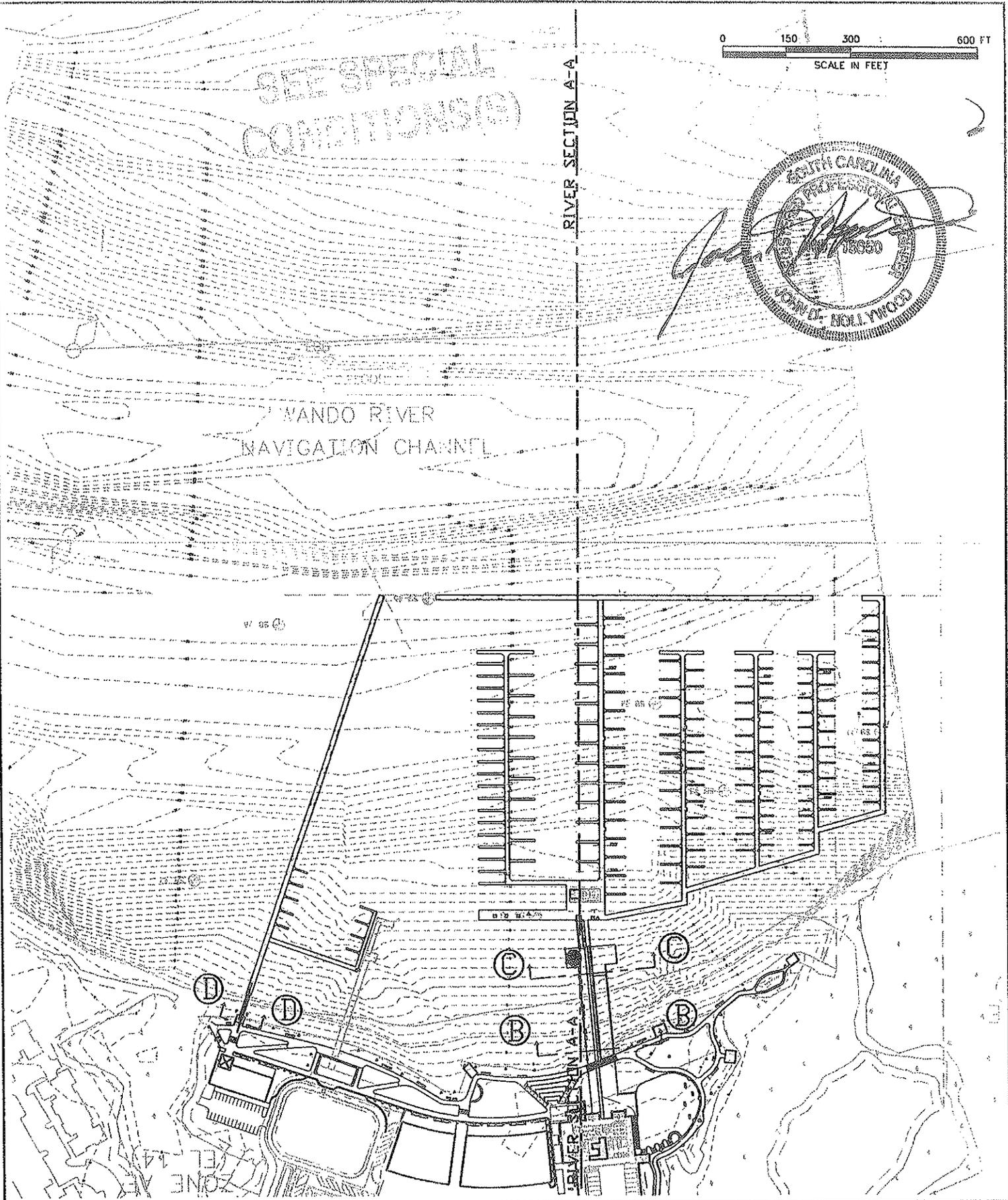


SEE SPECIAL
CONDITIONS (B)

RIVER SECTION A-A



WANDO RIVER
NAVIGATION CHANNEL



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA
REFERENCE PLAN
FOR SECTIONS

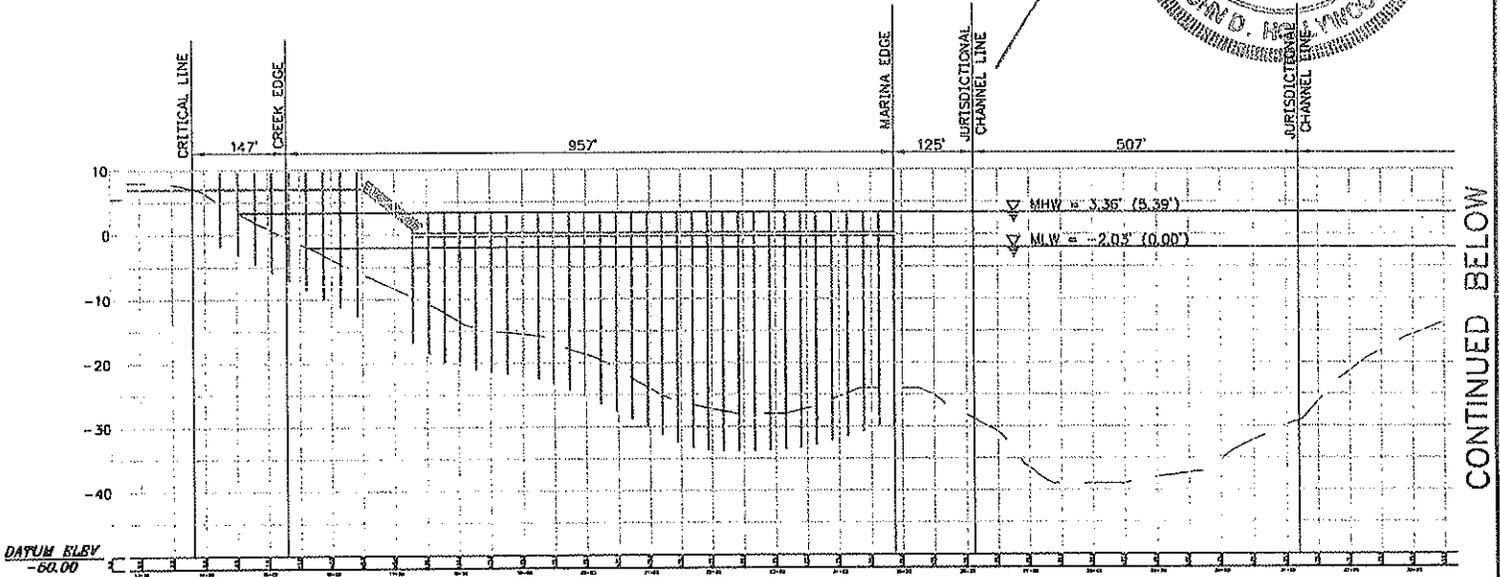
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

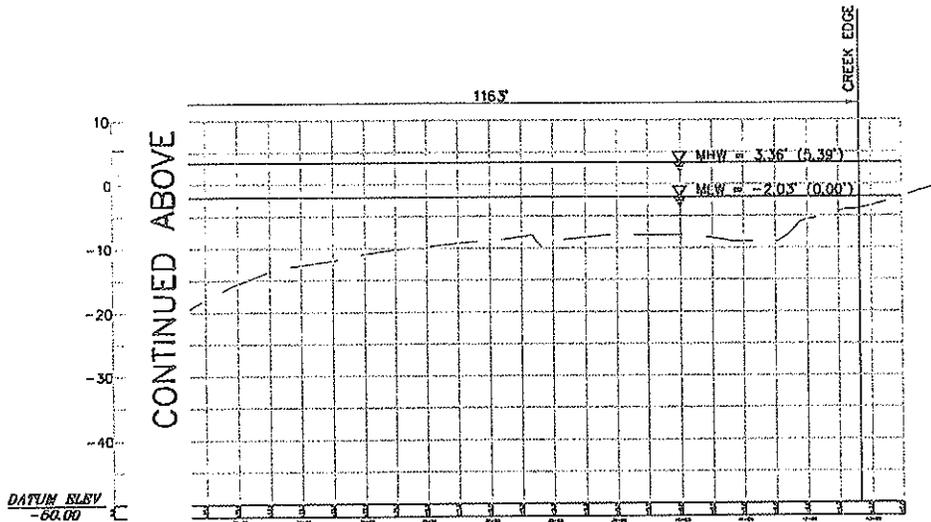
SHEET 14 OF 22

21/200

SEE SPECIAL
CONDITIONS (1)



HORIZONTAL 1:250
VERTICAL 1:25



NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

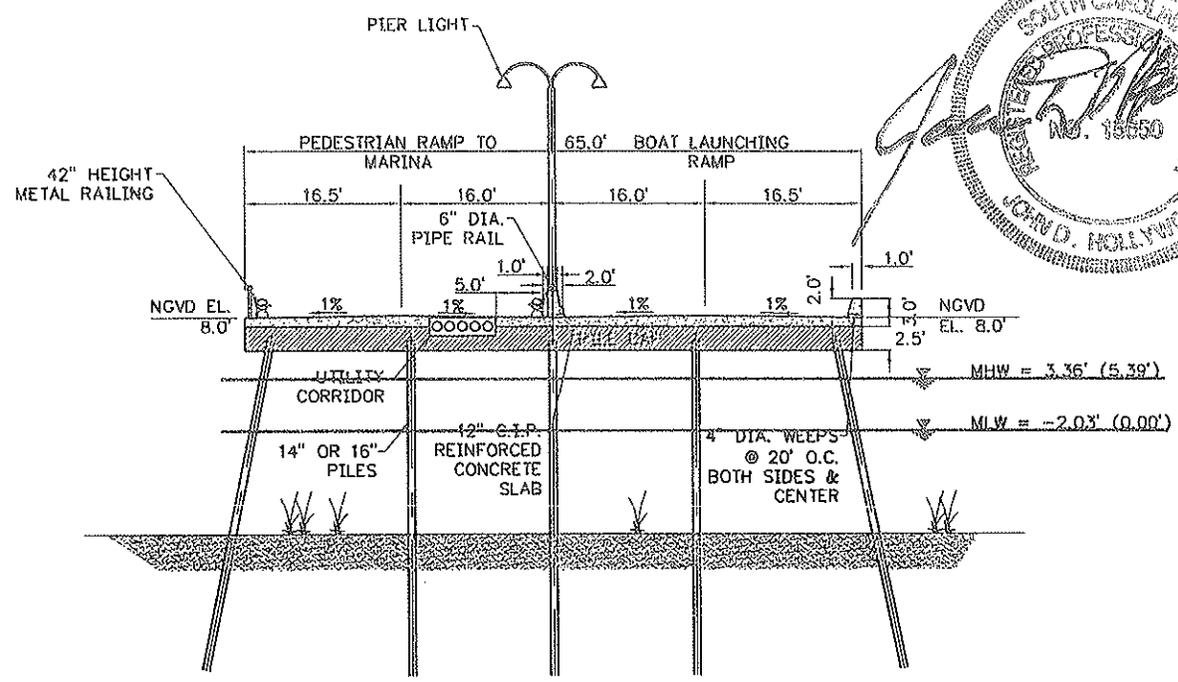
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

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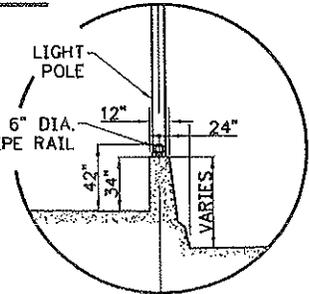
PROPOSED MARINA
RIVER SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

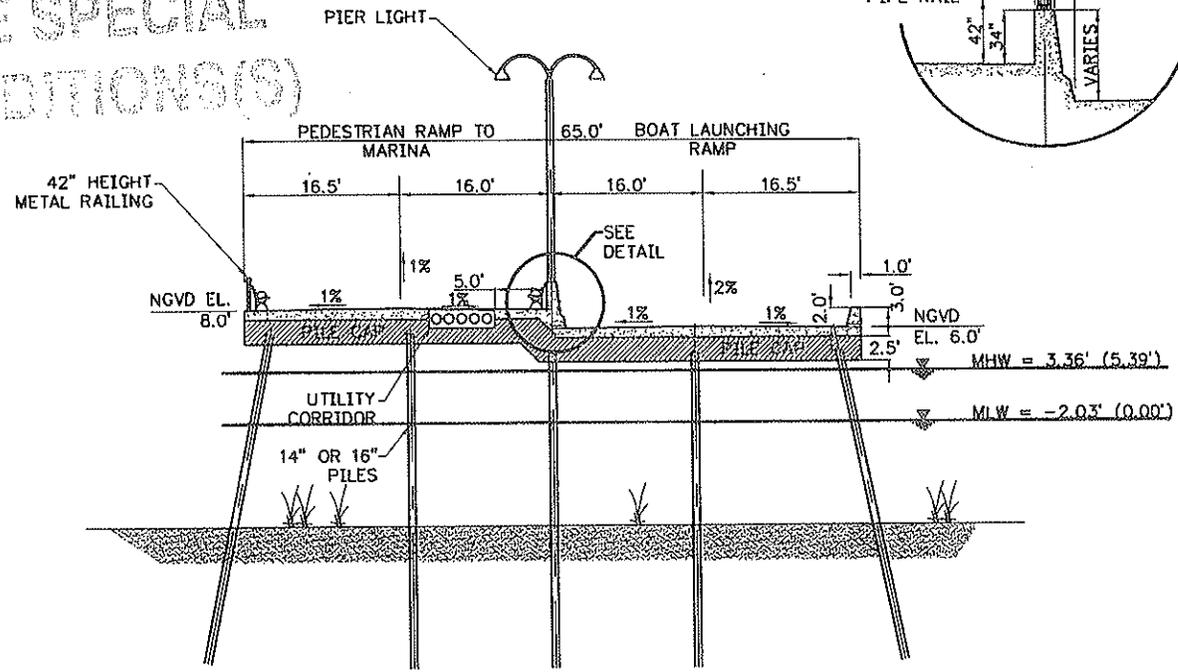
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007



○ TYPICAL SECTION FOR FIXED PIER (SECTION B-B)
NOT TO SCALE



SEE SPECIAL
CONDITIONS(S)



○ TYPICAL SECTION FOR FIXED PIER (SECTION C-C)
NOT TO SCALE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

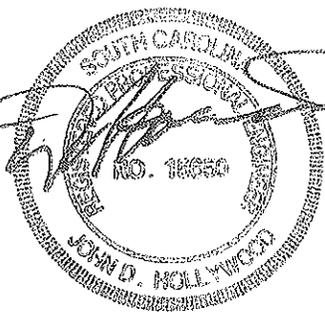
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PROPOSED MARINA PIER SECTIONS

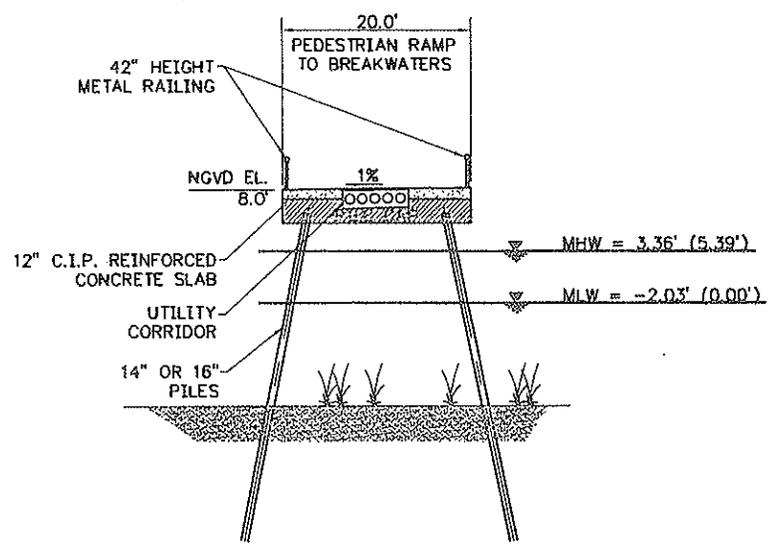
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

John D. Hollywood



SEE SPECIAL
CONDITIONS (3)



○ TYPICAL SECTION FOR NORTH END FIXED PIER (SECTION D-D)
NOT TO SCALE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

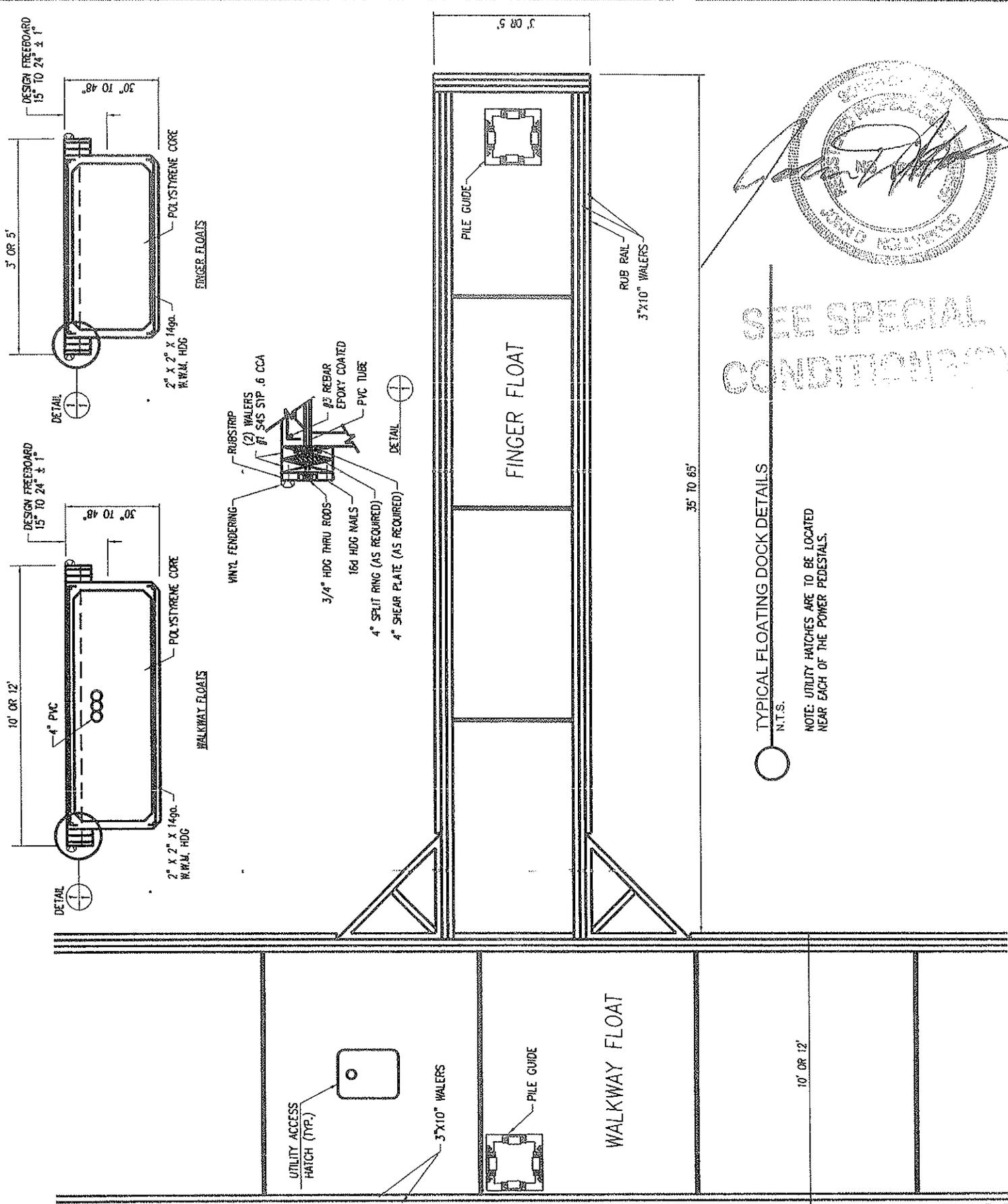
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PROPOSED MARINA
NORTH PIER SECTION

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

04/2007



SEE SPECIAL CONDITIONS

TYPICAL FLOATING DOCK DETAILS
N.T.S.

NOTE: UTILITY HATCHES ARE TO BE LOCATED NEAR EACH OF THE POWER PEDESTALS.

PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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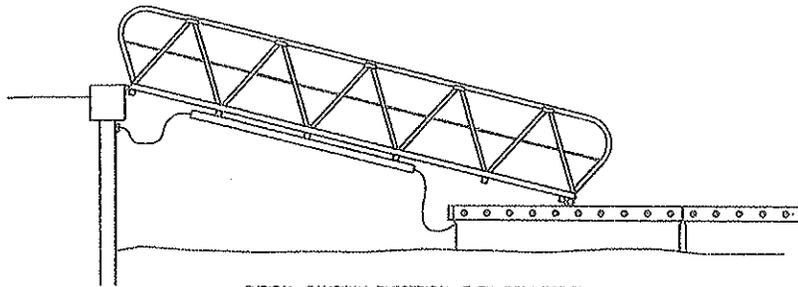
PROPOSED MARINA DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

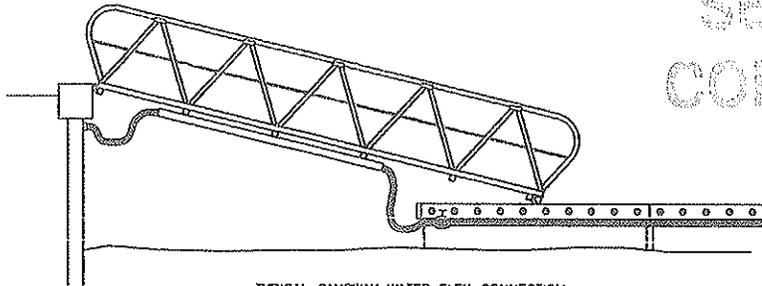
AT: DANIEL ISLAND
 COUNTY: BERKELEY, SC
 APPLICANT: DANIEL ISLAND COMPANY
 DATE: FEBRUARY 2007

SHEET 18 OF 22

900 100



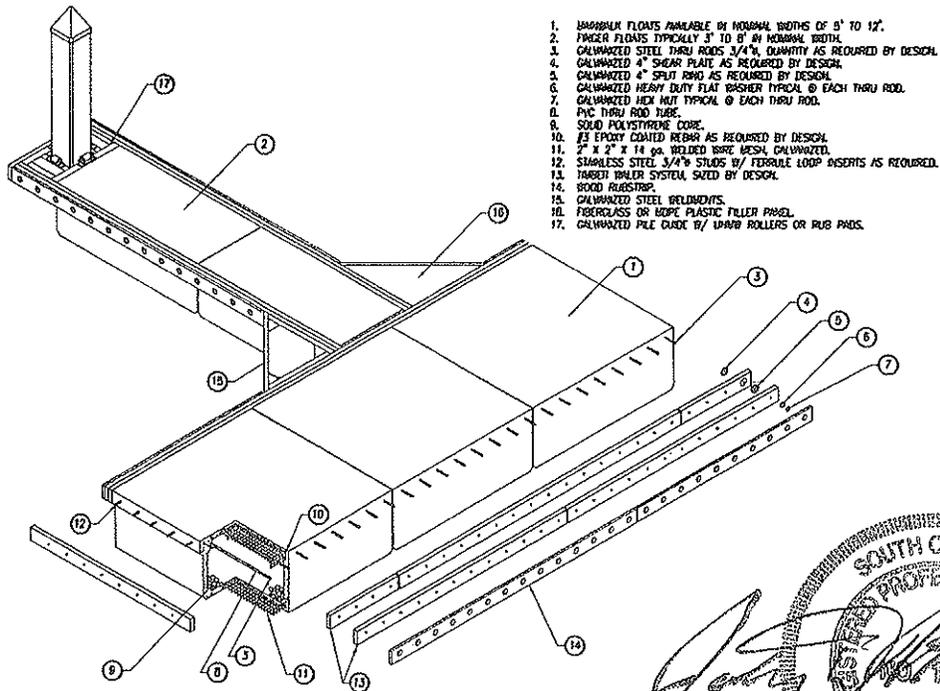
TYPICAL GANGWAY ELECTRICAL FLEX CONNECTION



TYPICAL GANGWAY WATER FLEX CONNECTION

SEE SPECIAL
CONDITIONS(S)

TYPICAL GANGWAY CONNECTIONS
N.T.S.



1. BARRAGE FLOATS AVAILABLE IN NORMAL WIDTHS OF 9' TO 12'.
2. FINGER FLOATS TYPICALLY 3' TO 6' IN NORMAL WIDTH.
3. GALVANIZED STEEL THRU RODS 3/4", QUANTITY AS REQUIRED BY DESIGN.
4. GALVANIZED 4" SHEAR PLATE AS REQUIRED BY DESIGN.
5. GALVANIZED 4" SPLIT RING AS REQUIRED BY DESIGN.
6. GALVANIZED HEAVY DUTY FLAT WASHER TYPICAL @ EACH THRU ROD.
7. GALVANIZED HEX NUT TYPICAL @ EACH THRU ROD.
8. PVC THRU ROD TUBE.
9. SOLID POLYSTYRENE CORE.
10. #3 EPOXY COATED REBAR AS REQUIRED BY DESIGN.
11. 2" X 2" X 14 GA. WELDED WIRE MESH, GALVANIZED.
12. STAINLESS STEEL 3/4" STUDS W/ FERRULE LOOP INSERTS AS REQUIRED.
13. TARGET TALKER SYSTEM, SIZED BY DESIGN.
14. GOOD RUBBERSTOP.
15. GALVANIZED STEEL BELENDENTS.
16. FIBERGLASS OR ROPE PLASTIC FILLER PANEL.
17. GALVANIZED PILE GUIDE W/ 1/4" DIA ROLLERS OR RUB PADS.

TYPICAL DOCK CONSTRUCTION
N.T.S.



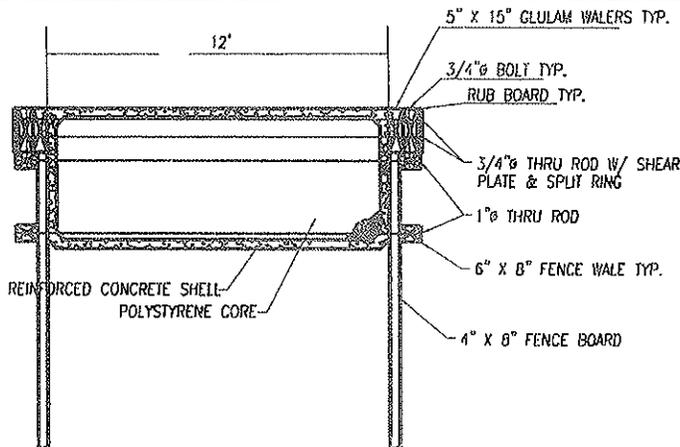
PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

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PROPOSED MARINA DETAILS

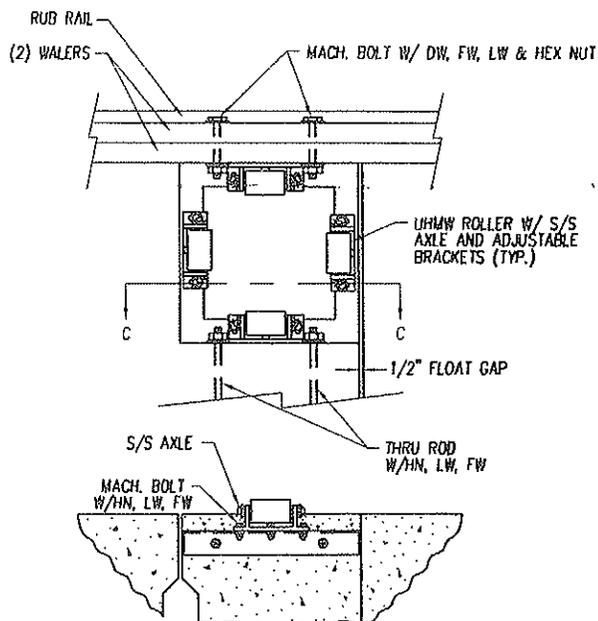
PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

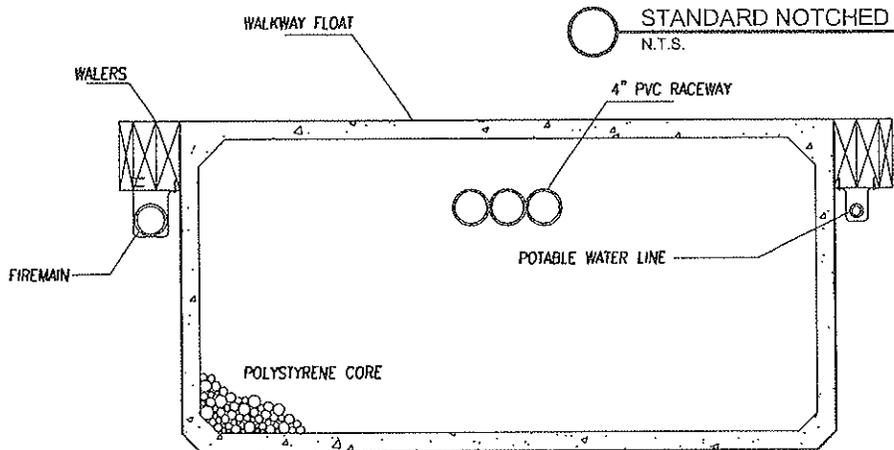


SEE SPECIAL
CONDITIONS (B)

○ TYPICAL WAVE ATTENUATOR FLOAT W/ FENCE (BREAKWATER)
N.T.S.



SECTION C-C



○ TYPICAL UTILITY HANGER DETAIL
N.T.S.

○ STANDARD NOTCHED PILE GUIDE
N.T.S.



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

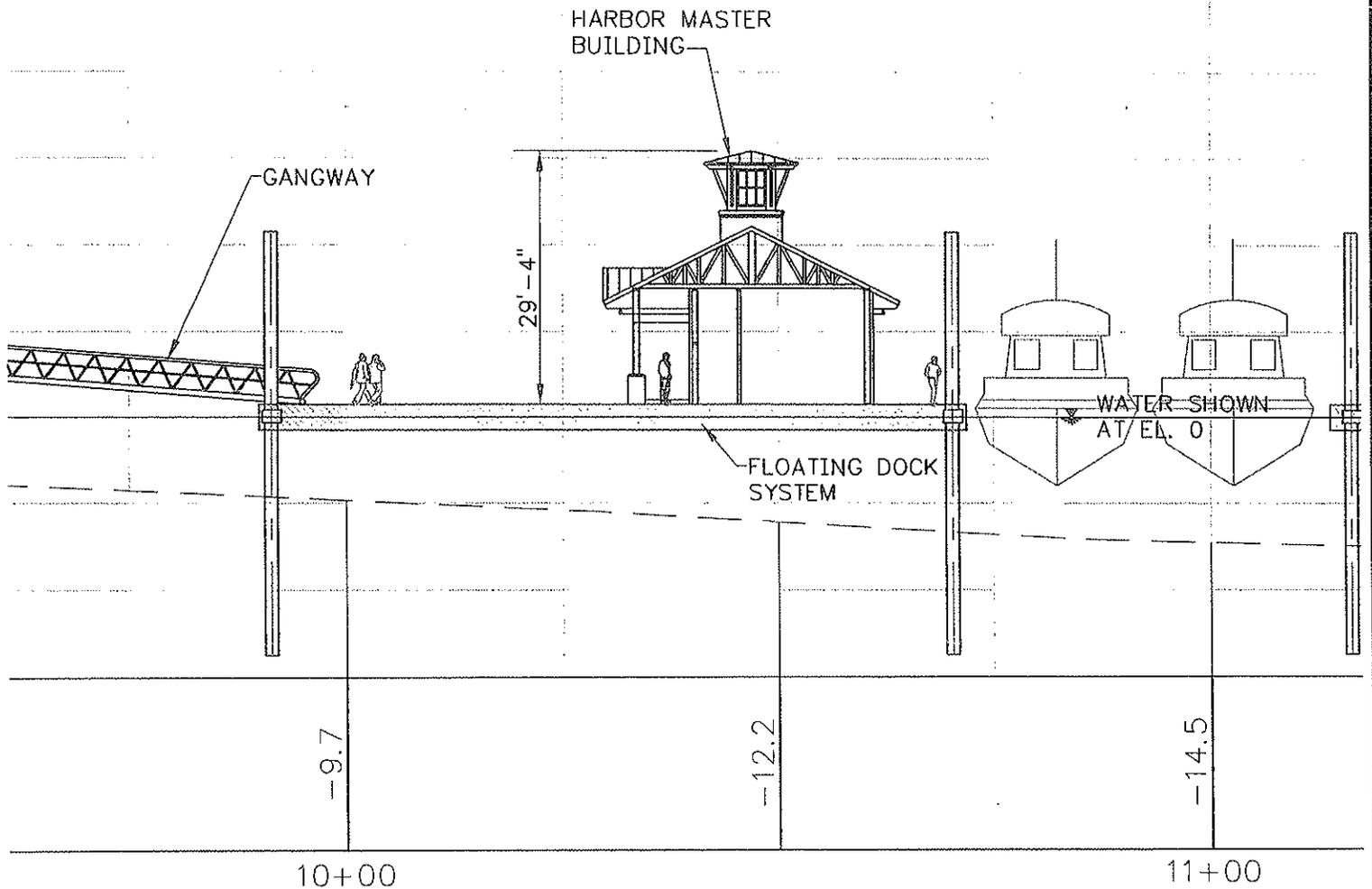
DATUM: NGVD29 (MLW)
MHHE=3.72' (5.75') MLW = -2.03' (-0.00')
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
MTL = 0.67' (2.70')

PROPOSED MARINA DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

SEE SPECIAL
CONDITIONS(S)



PURPOSE: COMMERCIAL MARINA AND UPLAND
DRY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA
HARBOR MASTER
BUILDING SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007

SHEET 22 OF 22

29/29



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69-A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107

May 1, 2012

Regulatory Division

Mr. Bill McKenzie
The Daniel Island Company
230 Seven Farms Drive, Suite 201
Charleston, South Carolina 29492

Dear Mr. McKenzie:

This is in response to your letter dated May 1, 2012, requesting an extension of time to complete the work authorized by Department of the Army permit #SAC-2007-407-2IG. This work consists of the construction of a marina on the west shore of the Wando River south of the I-526 Bridge on Daniel Island in the City of Charleston, Berkeley County, South Carolina.

Since no changes in the attendant circumstances surrounding this matter have been identified, and since the requirement that this work proceed essentially in accordance with the approved plans and conditions is clearly understood, the time to complete this work is hereby extended until March 31, 2019.

This letter should be attached to the original permit. All other conditions to which the work is made subject remain in full force and effect. In that this work appears subject to the jurisdiction of the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management, it is highly recommended that you contact that agency to ascertain their requirements in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Chamberlayne".

for: Edward P. Chamberlayne, P.E.
Lieutenant Colonel, U.S. Army
Commander and District Engineer

Tina B. Hadden
Chief, Regulatory Division