

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107

and the
S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

REGULATORY DIVISION

Refer to: P/N #SAC2007-407-2IG

16 MARCH 2007

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 401 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.) an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

THE DANIEL ISLAND COMPANY
C/O NEWKIRK ENVIRONMENTAL, INC.
POST OFFICE BOX 746
MOUNT PLEASANT, SOUTH CAROLINA 29403

for a permit to construct a commercial marina and upland dry stack facility in the

WANDO RIVER

at a location, a waterfront tract of land on the west shoreline of the Wando River and south of the I-526 bridge on Daniel Island in the City of Charleston, Berkeley County, South Carolina. (Longitude -79.90275° - Latitude 32.85429°)

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by both of the above mentioned offices until

12 O'CLOCK NOON, MONDAY, APRIL 16, 2007

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of 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.

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A more detailed description of activities proposed in the Wando River is provided by describing each of twelve individual dock structures (Docks A through L) comprising the marina facility.

Dock A: Dock A is a pile supported 65' by approximately 255' long concrete, fixed pier extending perpendicular from site uplands into the Wando River and terminating in a 120' x 45' pierhead.

The Dock A pier will include an approximately 30' wide dry stack launch and retrieve pier and an approximately 30' wide pedestrian access divided by a safety barrier and grade separation and bounded by 3.5' high safety railing around the perimeter. An approximately 5' wide utility corridor will extend the length of the pier. The dry stack launch and retrieve ramp will slope from elevation 8.0' to elevation 6.5' and include an approximately 45' x 60' forklift turnaround area at the marina basin. The pedestrian pier access will be level at elevation 8.0' and include benches, lighting and a 35 square foot covered pedestrian gathering area. A 12' x 80' ADA designed gangway will provide access to floating docks B through J.

Dock B: Dock B is accessed from Dock A via the previously described gangway. Dock B consists of a 95' x 90' floating dock area which serves as a landing for access to Docks B-J and accommodates the 28' x 70' Harbormasters office and a 24' x 230' fuel and sewage pump out dock. The fuel dock will provide two gas pumps and one diesel pump to serve transient and wet slip customers and an additional gas pump to service dry stack stored boats. Two sewage pump out stations will also be provided, one for dry stack stored boats and one for transient and wet slip customers.

Dock C: Dock C is accessed from Dock B and consists of a 10' x 65' shore perpendicular floating, staging dock within the dry stack launch and retrieve basin and 12' x approximately 530' of shore parallel floating, staging dock for dry stack operations.

Dock D: Dock D is accessible via the previously described Dock C and consists of a 12' x 160' shore parallel floating dock, a 12' x 519' shore perpendicular, floating dock and breakwater with thirteen 3' x 40' finger piers and one 8' x 40', terminal finger pier and fourteen mooring piles extending upstream (north) into the marina basin. Dock D provides wet slip moorage for twenty-seven boats 40' in length on the upstream side of the dock, side tie moorage of 519' on the downstream (south) side of the dock which is designated for four vessels 115' in length and side tie moorage of 160' on the landward (west) side of the dock for four vessels 35' in length.

Dock E: Dock E is accessible via the previously described Dock C and consists of a 10' x 465' shore perpendicular, floating dock with an 8' x 85' pierhead, ten 3' x 35' finger piers and eleven mooring piles extending downstream and thirteen 3' x 35' finger piers and thirteen mooring piles extending upstream. Dock E provides wet slip moorage for forty-nine boats from 35' to 40' in length and 85' of side tie moorage outboard of the pierhead for one vessel 85' in length.

Dock F: Dock F is accessible via the previously described Dock C and consists of a 10' x 505' shore perpendicular, floating dock with an 8' x 90' pierhead, thirteen 3' x 35' finger piers and thirteen mooring piles extending downstream and twelve 3' x 45' finger piers and thirteen mooring piles extending upstream. Dock F provides wet slip moorage for fifty-four boats from 35' to 45' in length and 90' of side tie moorage outboard of the pierhead for one vessel 85' in length.

16 MARCH 2007

Dock G: Dock G is accessible via the previously described Dock C and consists of a 10' x 585' shore perpendicular, floating dock with an 8' x 105' pierhead, thirteen 3' x 45' finger piers and fourteen mooring piles extending downstream and thirteen 4' x 50' finger piers and thirteen mooring piles extending upstream. Dock G provides wet slip moorage for fifty-four boats from 45' to 50' in length and 105' of side tie moorage outboard the pierhead for one vessel 85' in length.

Dock H: Dock H is accessible from the previously described Dock B and consists of a 12' x 665' shore perpendicular, floating dock with sixteen 4' x 50' finger piers and sixteen mooring piles extending downstream and thirteen 5' x 55' finger piers and fourteen mooring piles extending upstream. Dock H provides wet slip moorage for sixty-two boats from 50' to 55' in length.

Dock I: Dock I is accessible from the previously described Dock B via a 10' x 145' shore parallel, floating dock. Dock I consists of a 10' x 545' shore perpendicular, floating dock with an 8' x 135' pierhead, ten 5' x 60' finger piers and eleven mooring piles extending downstream and nineteen 5' x 65' finger piers and twenty-one mooring piles extending upstream. Dock I provides wet slip moorage for forty-one boats 60' to 80' in length and 135' of side tie moorage outboard of the pierhead for one vessel 115' in length.

Dock J: Dock J is accessible via the previously described Dock H and consists of a 12' x 900' shore parallel, floating dock and breakwater. Dock J provides approximately 1,400' of side tie moorage for eleven large vessels ranging in size from 85' to more than 115' in length.

Dock K: Dock K is accessed from site uplands approximately 700' upstream (north) of the primary marina access (Dock A) and approximately 200' upstream of the existing City of Charleston public dock. Dock K consists of a 20' wide fixed, shore perpendicular concrete pier extending approximately 5' to 10' beyond the shoreline, an 8' x 60' gangway and a 12' x 1,000' shore perpendicular floating dock and breakwater. Five 3' x 35' finger piers extend downstream providing wet slip moorage for eleven boats 35' in length. The remainder of Dock K provides approximately 1,400' of side tie moorage for ten large vessels from 85' to more than 115' in length. Dock K is also accessible from the existing city dock.

Dock L: Dock L is accessible from the previously described Dock K and consists of a 10' x 225' shore parallel floating dock and an 8' x 140' shore perpendicular floating dock with four 3' x 35' finger piers extending upstream. Dock L provides wet slip moorage for nine boats 35' in length. Dock L is also accessible from the existing City dock via a 3' x 15' gangway.

In summary, the proposed marina facility will provide dry stack storage for up to 208 boats, and 341 wet slips in the Wando River, including 288 designated commercial slips with finger piers and mooring piles, 20 designated public slips with finger piers and 33 designated commercial slips along approximately 3,894 LF of side tie moorage. A 24' x 330' floating dock will provide fueling and sewage pump out services and approximately 530 LF of 12' floating dock will provide moorage for staging of boats for dry stack operations. The marina will be equipped to accommodate vessels over 115' in length. The proposed facility will include a harbormasters office and, in addition to fuel and sewage pump out services, will provide potable water, electricity, telephone and cable to proposed slips in the Wando River. The Marina at Daniel Island is designed and will be operated in accordance with criteria for participation in the South Carolina Clean Marina Program.

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The purpose of the proposed work as stated by the applicant 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. The existing City of Charleston Public Dock will continue to be utilized as a public, day use dock as will an additional 20 proposed slips to be accessible from the city dock.

NOTE: Plans depicting the work described in this notice are available and will be provided, upon receipt of a written request, to anyone that is interested in obtaining a copy of the plans for the specific project. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided for mailing the drawings to you. Your request for drawings should be addressed to the

**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69A Hagood Avenue
Charleston, South Carolina 29403-5107**

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project should not impact estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The District Engineer has consulted the most recently available information and has determined that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office to provide any information it may have with regard to historic and cultural resources.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

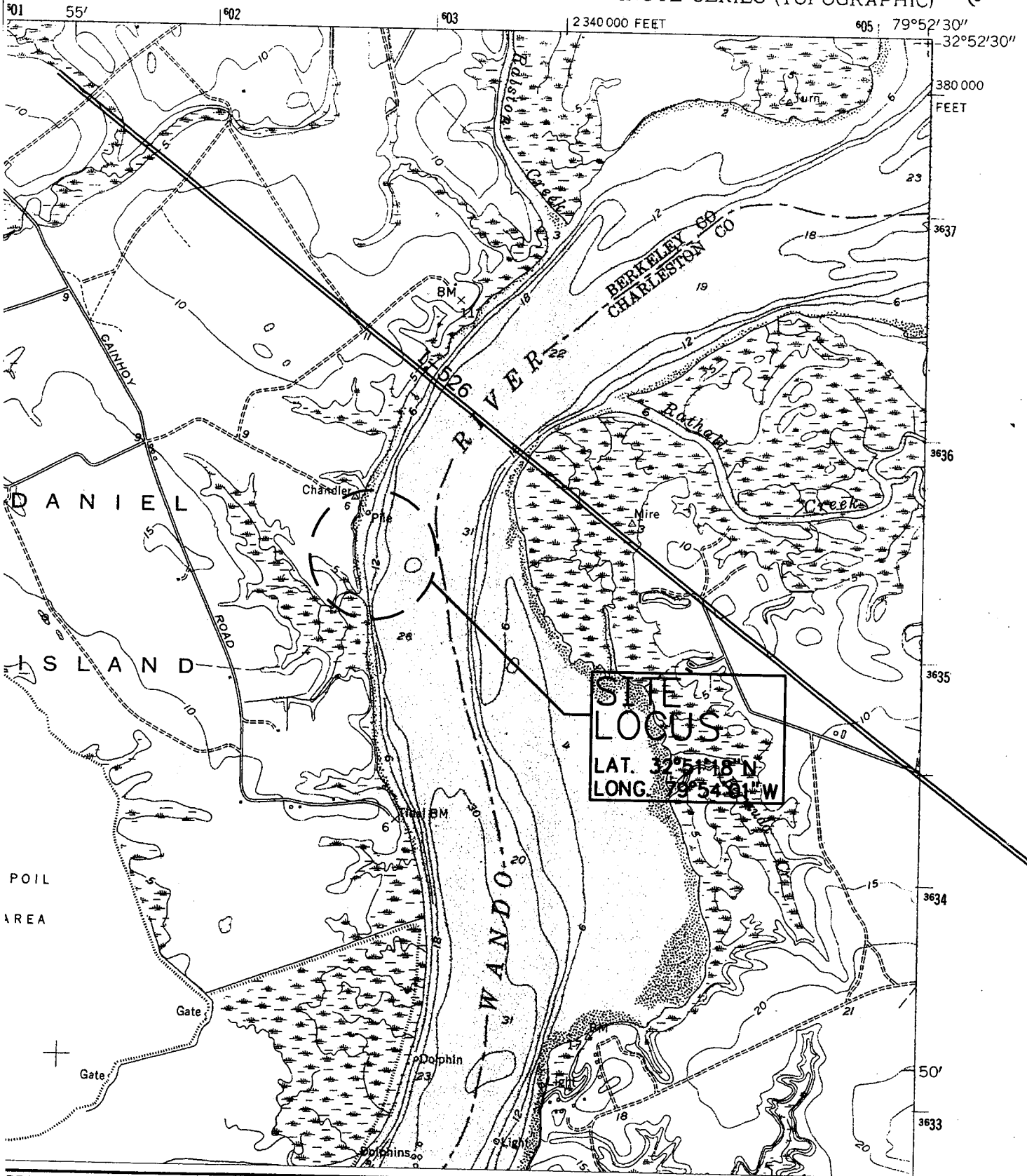
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

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

If there are any questions concerning this public notice, please contact Mary Hope Glenn at 843-329-8044 or toll free at 1-866-329-8187.

CHARLESTON QUADRANGLE
 SOUTH CAROLINA
 7.5 MINUTE SERIES (TOPOGRAPHIC)

5049 IV NE
 (GAINHOY)



RPOSE: COMMERCIAL MARINA AND UPLAND
 Y STACK FACILITY

ATUM: NGVD29 (MLW)
 HHE=3.72' (5.75') MLW = -2.03' (-0.00')
 HW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 TL=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-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.



PROPOSE: COMMERCIAL MARINA AND UPLAND
 STACK FACILITY

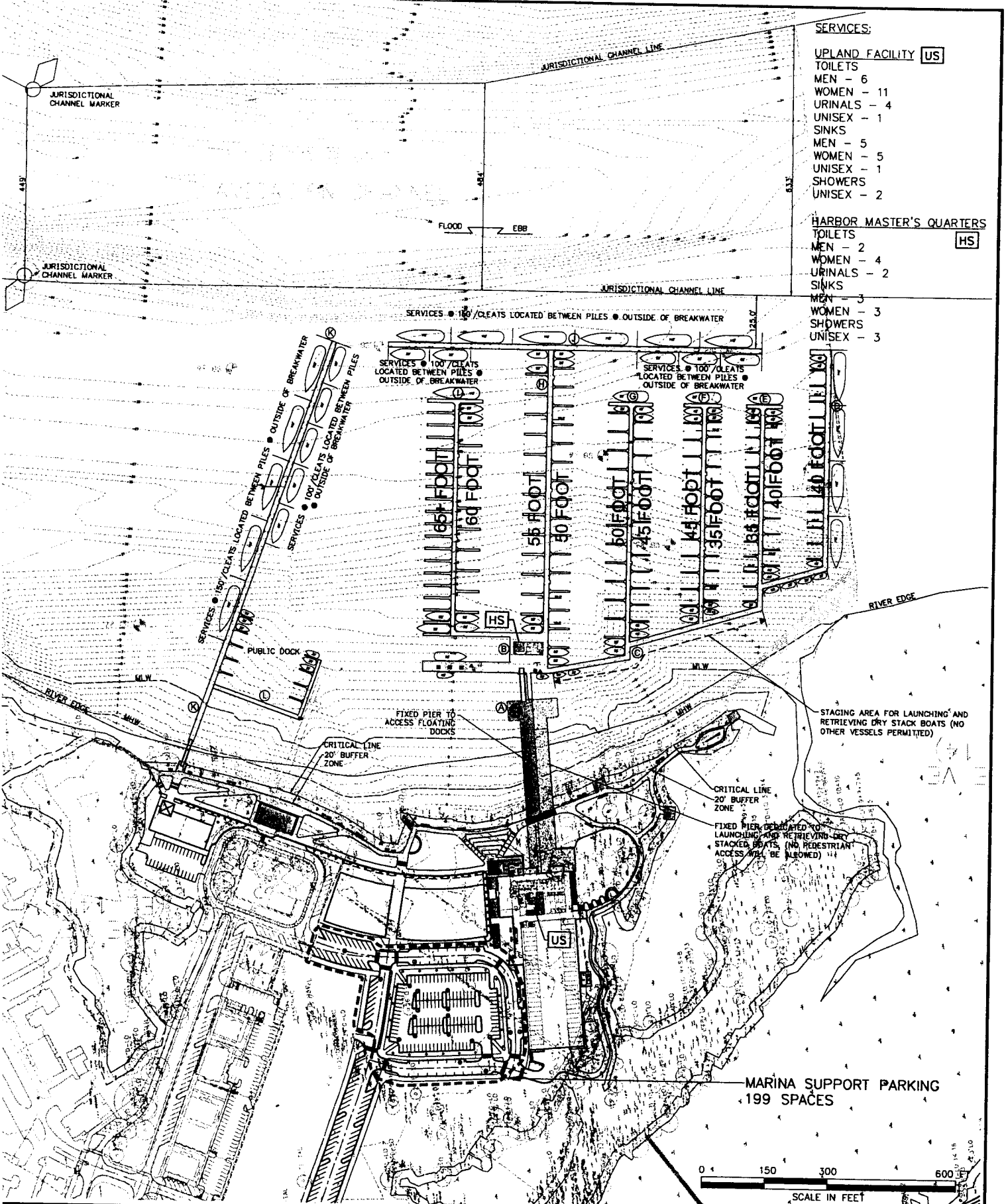
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COUNTY ROAD MAP

PROPOSED MARINA PLAN IN: WANDO RIVER

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





- 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

PROPOSE: COMMERCIAL MARINA AND UPLAND Y STACK FACILITY

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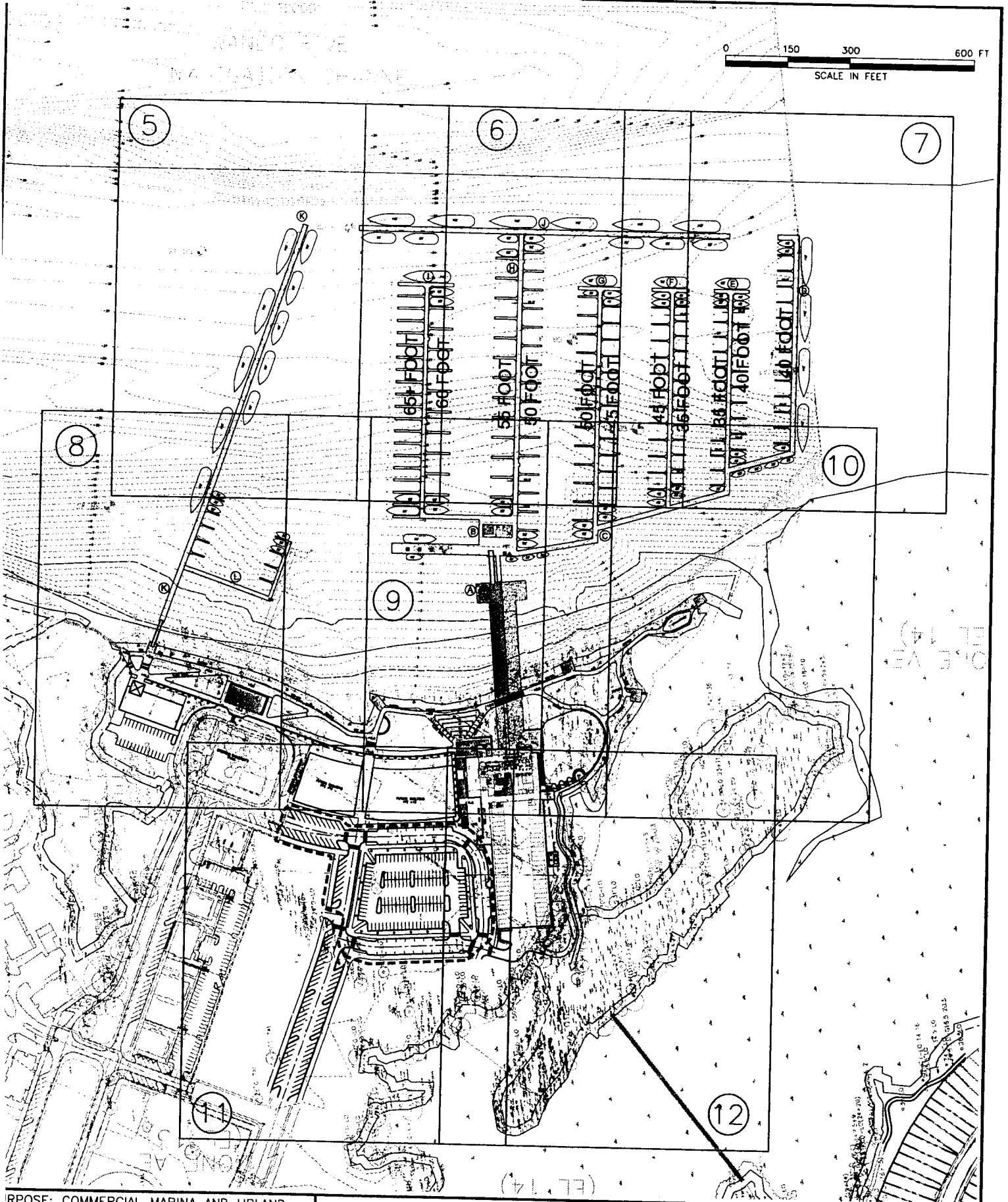
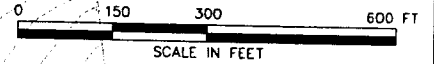
TL=0.67' (2.70')

PROPOSED MARINA FULL PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

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

SHEET 3 OF 22



PROPOSED COMMERCIAL MARINA AND UPLAND
YACHT STACK FACILITY

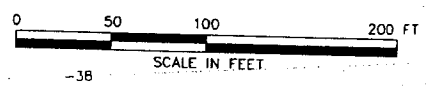
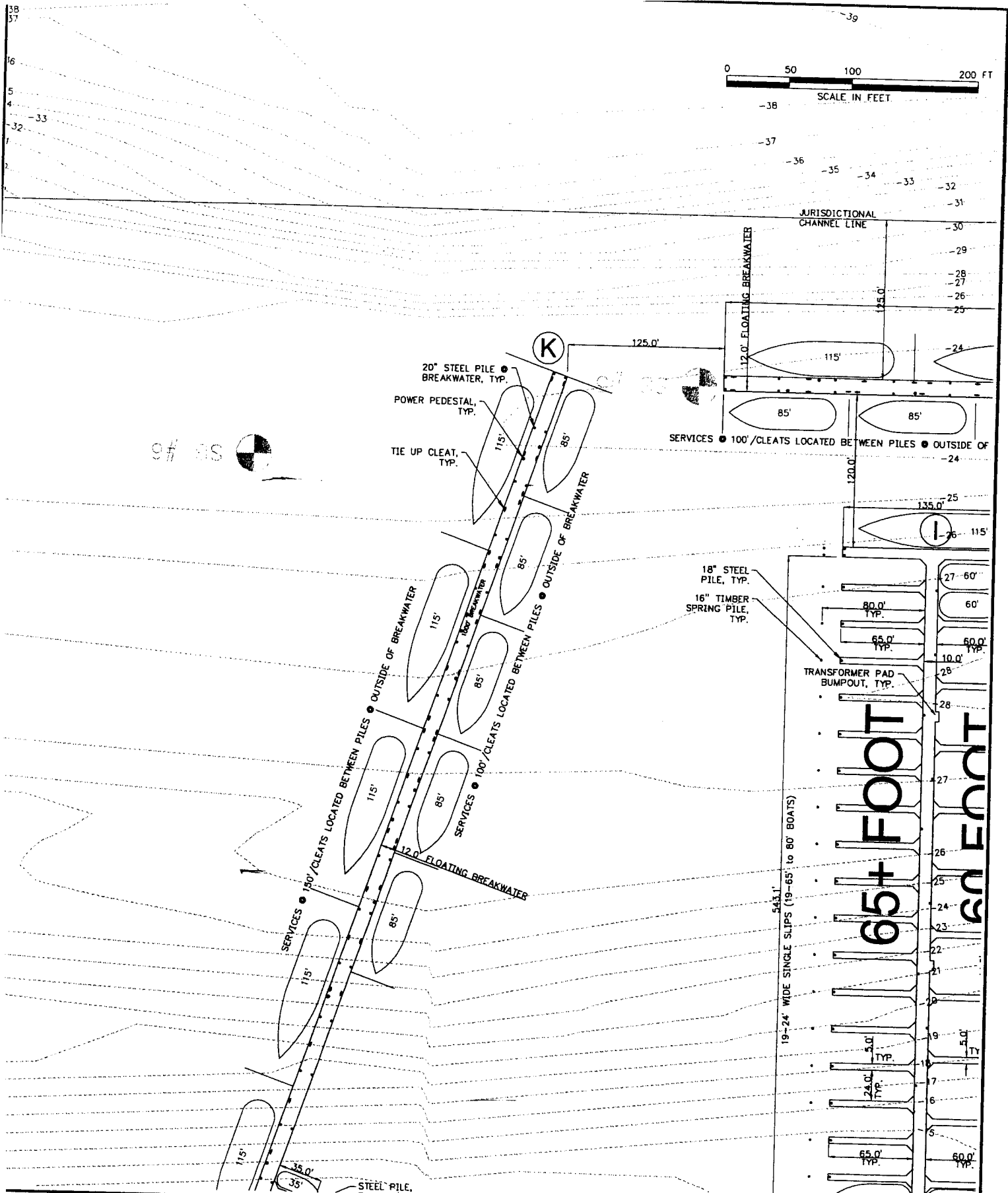
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PROPOSED MARINA KEY PLAN

PROPOSED MARINA PLAN IN: WANDO RIVER

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





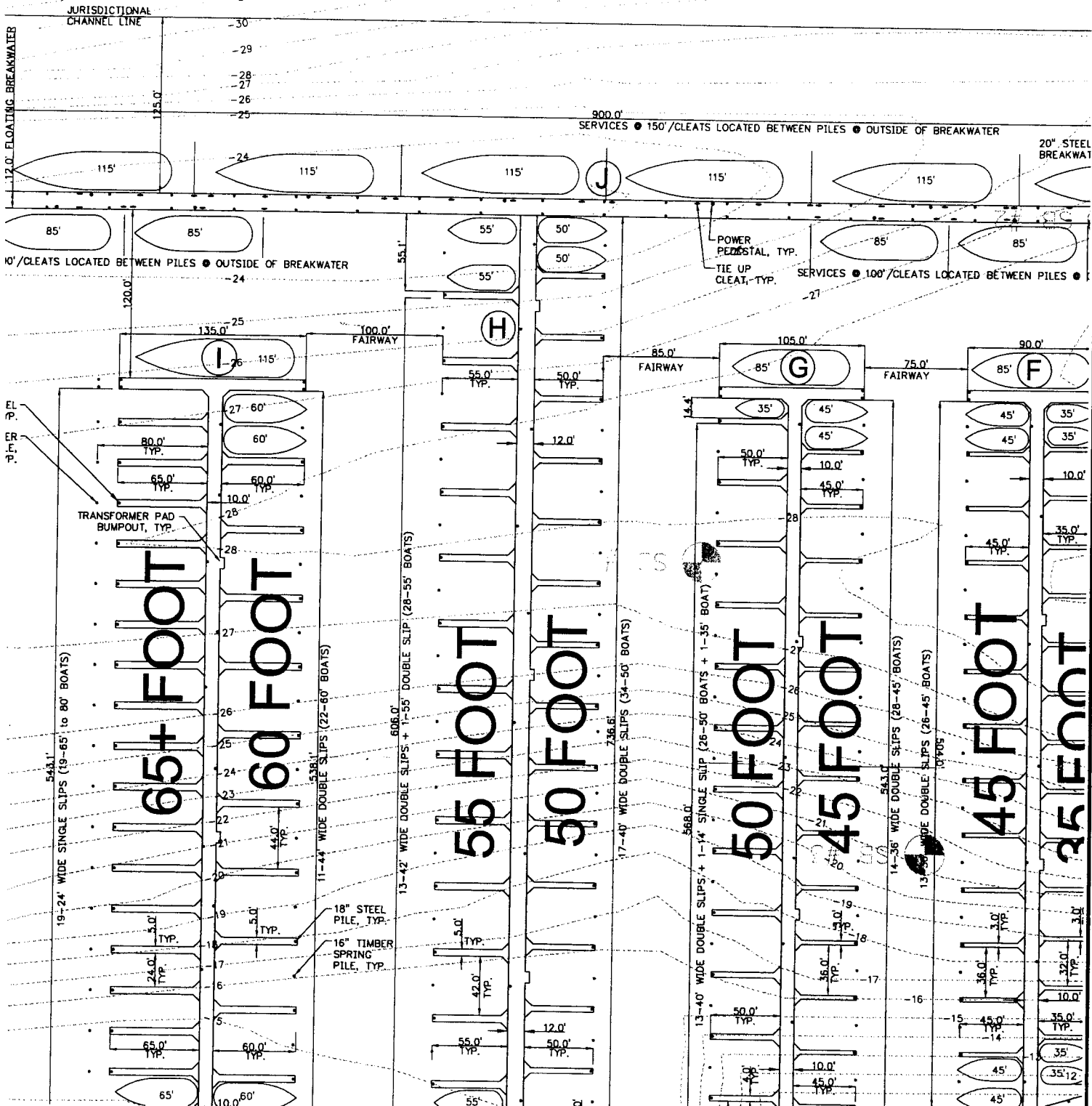
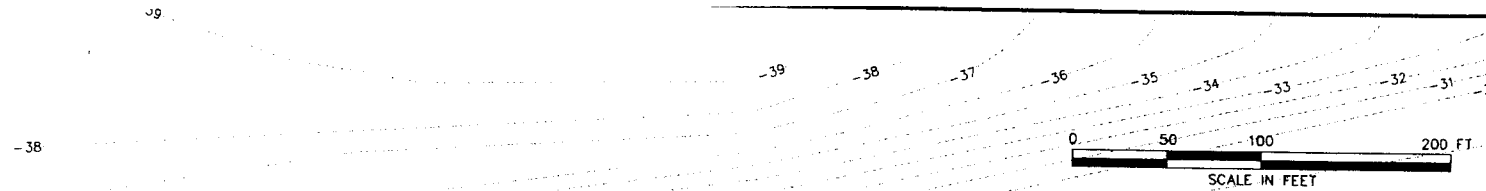
PROPOSE: COMMERCIAL MARINA AND UPLAND
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

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



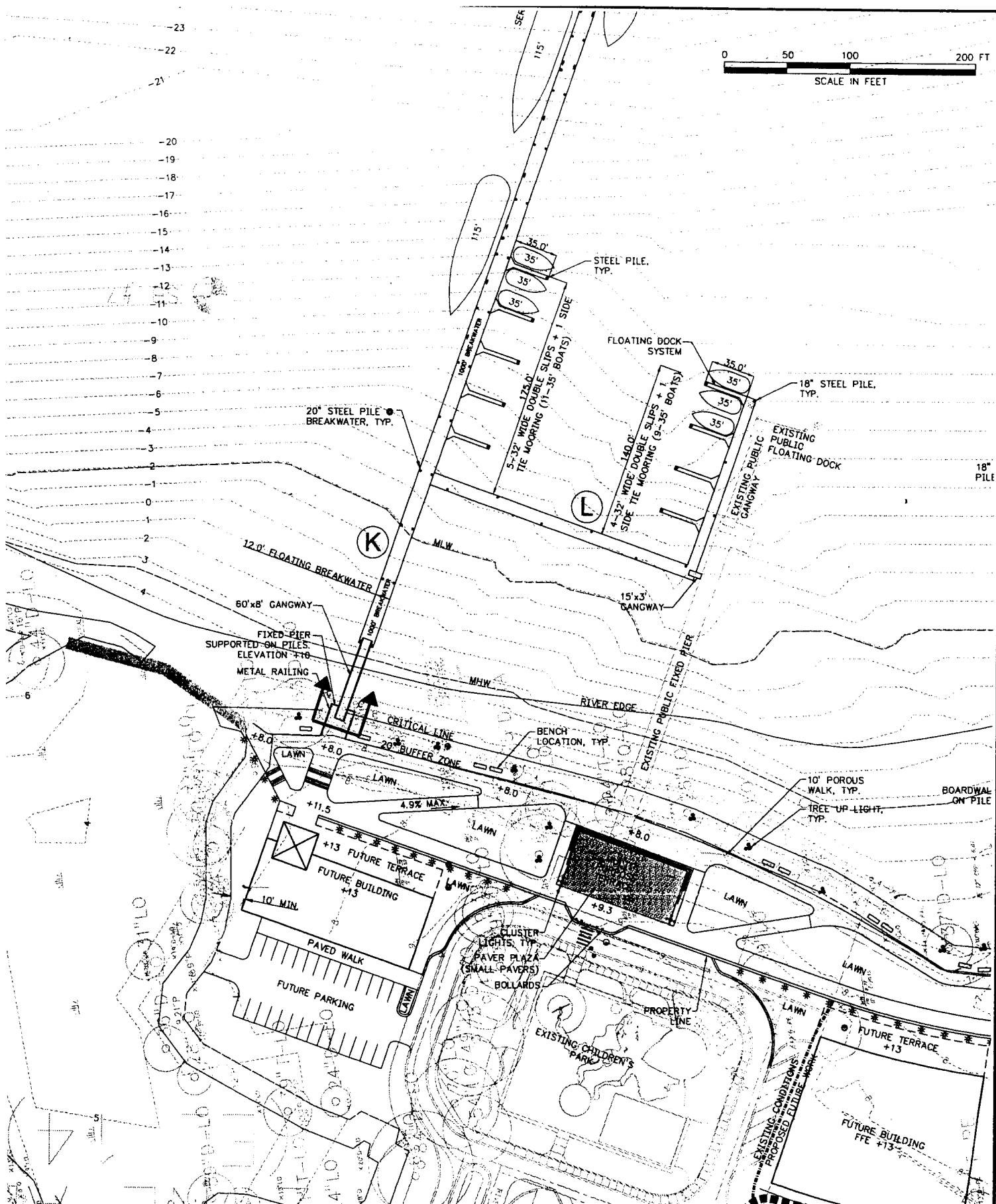
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

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



PROPOSED COMMERCIAL MARINA AND UPLAND RIVER STACK FACILITY

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



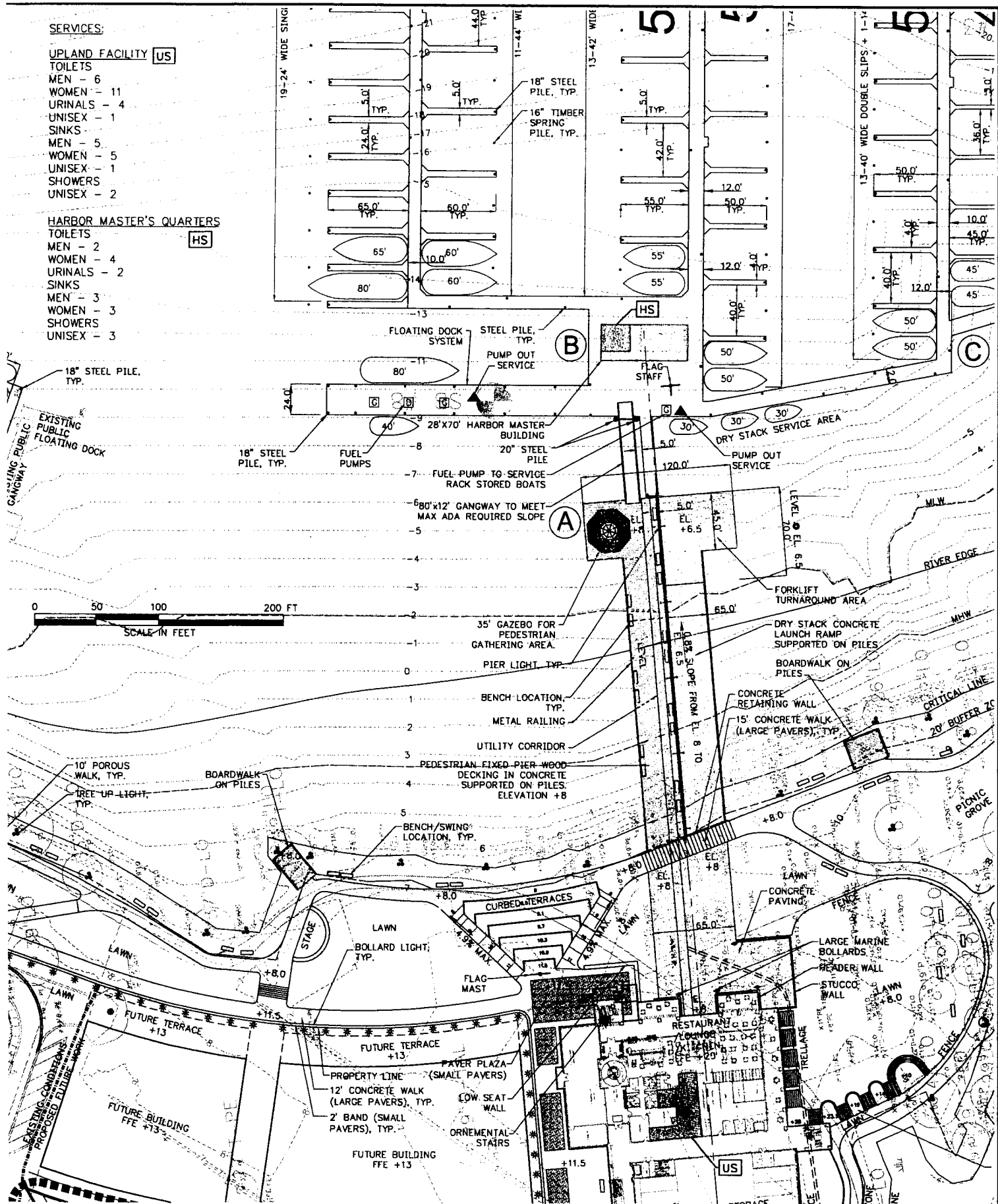
SERVICES:

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



PURPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

DATUM: NGVD29 (MLW)

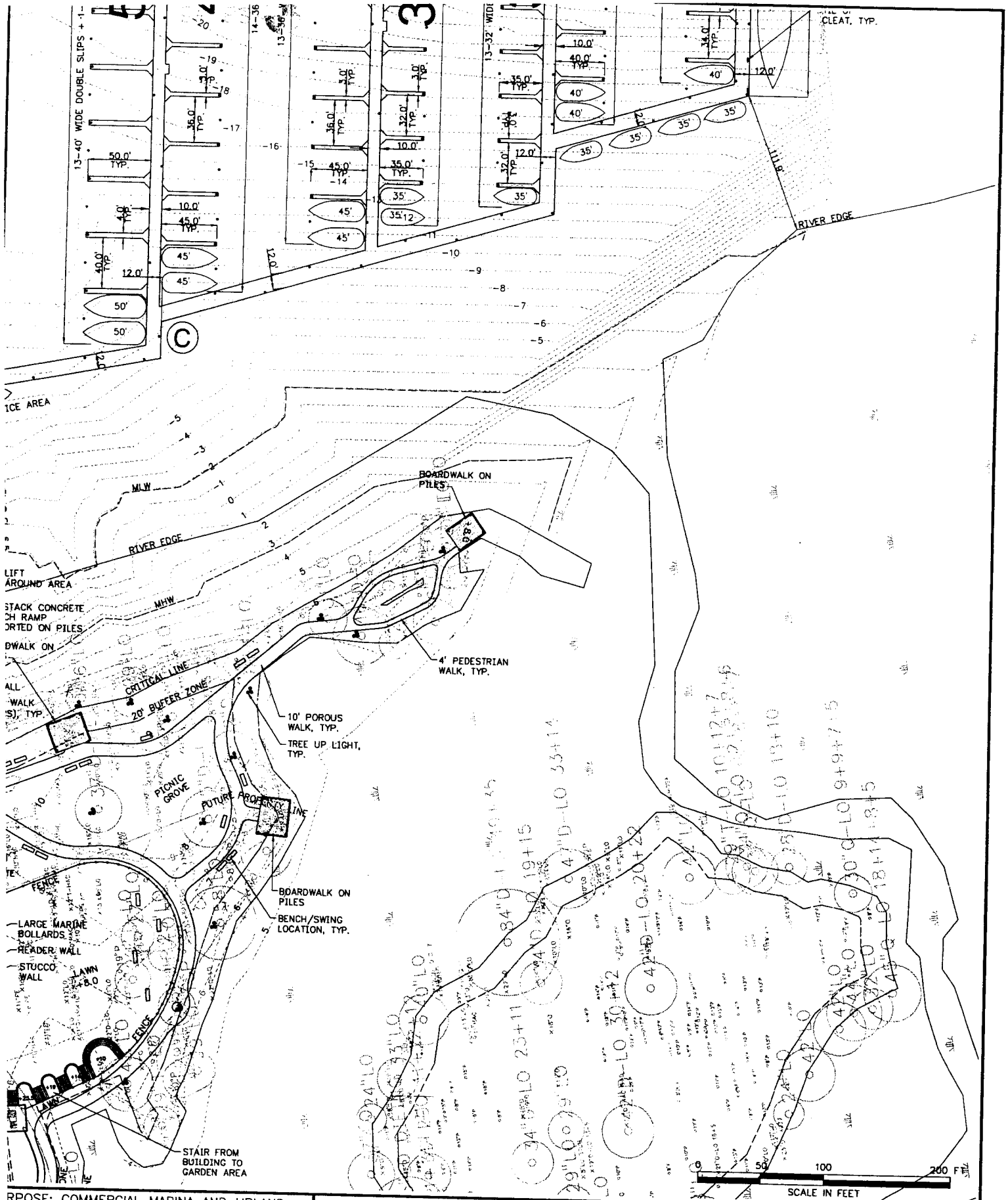
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**PROPOSED MARINA
 PLAN VIEW**

PROPOSED MARINA PLAN IN: WANDO RIVER

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





PROPOSED COMMERCIAL MARINA AND UPLAND
 YARD STACK FACILITY

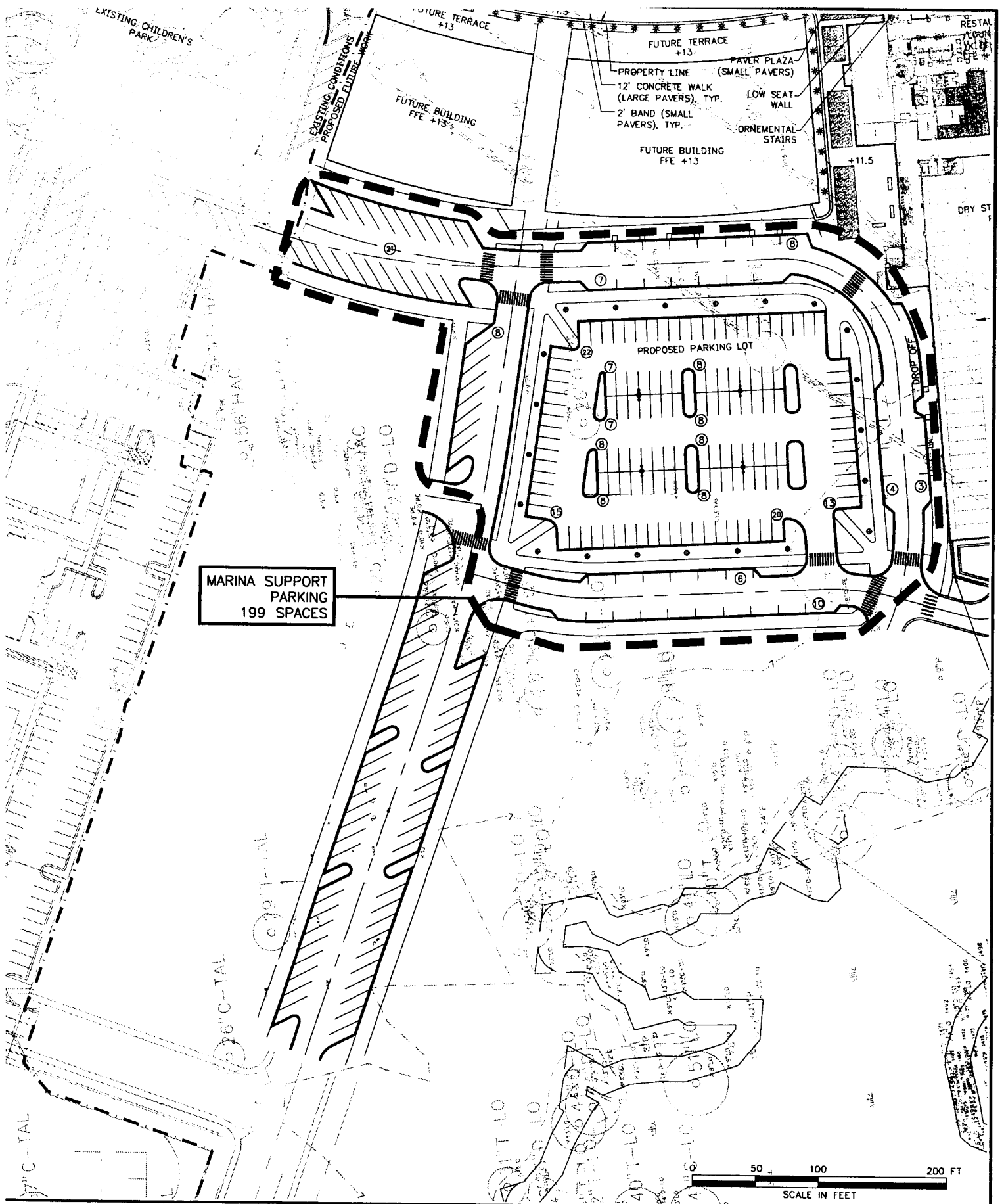
VERTICAL DATUM: NGVD29 (MLW)
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 MEAN LOW WATER = 3.36' (5.39') MLLW = -2.21' (-0.18')
 TIDE RANGE = 0.67' (2.70')

PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

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





MARINA SUPPORT
PARKING
199 SPACES

JRPOSE: COMMERCIAL MARINA AND UPLAND
RY STACK FACILITY

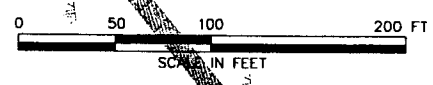
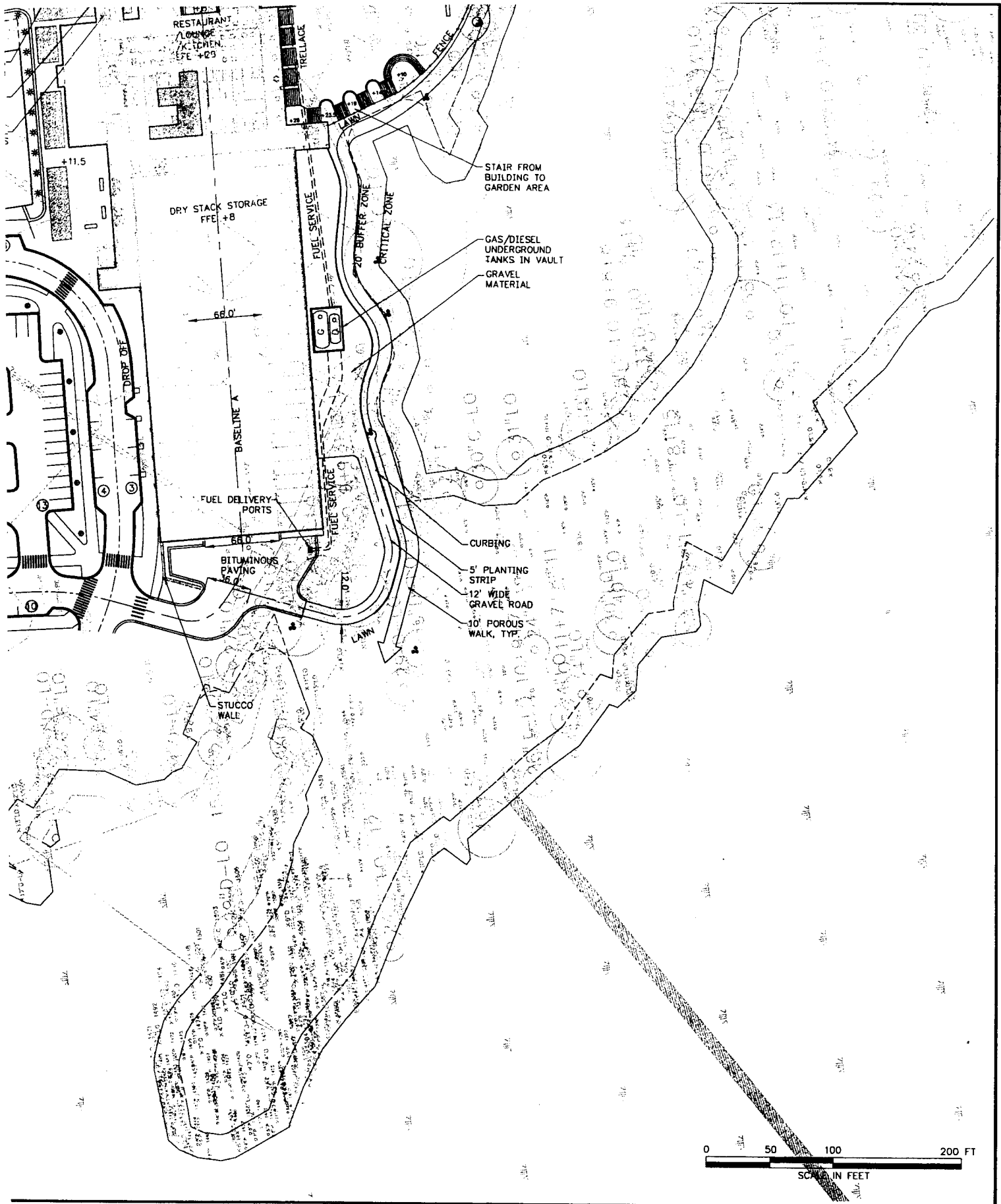
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PROPOSED MARINA PLAN VIEW

PROPOSED MARINA PLAN IN: WANDO RIVER

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





PROPOSE: 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



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								

IRPOSE: COMMERCIAL MARINA AND UPLAND DRY STACK FACILITY

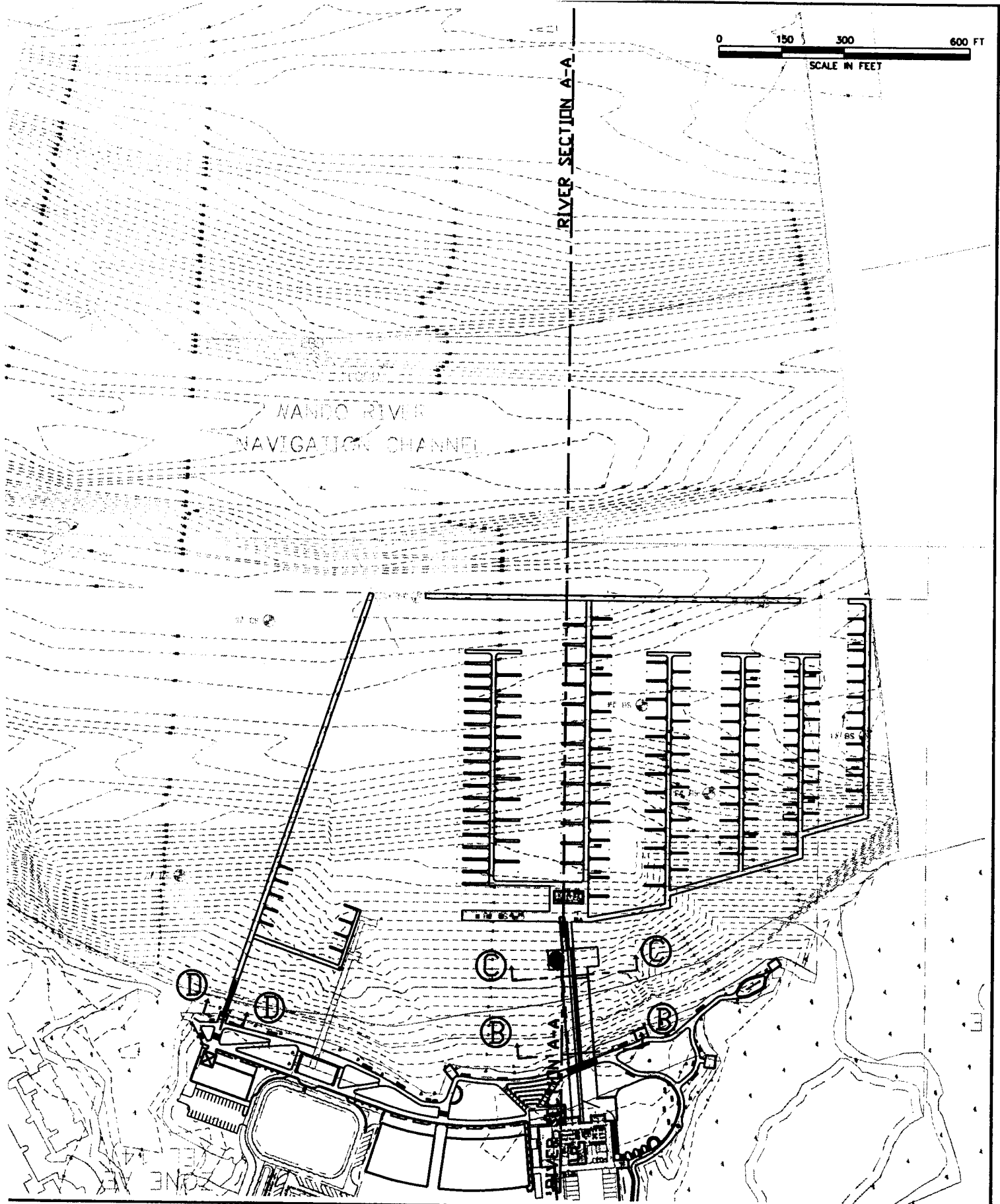
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 ITL=0.67' (2.70')

PROPOSED MARINA BOATING MIX

PROPOSED MARINA PLAN IN: WANDO RIVER

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





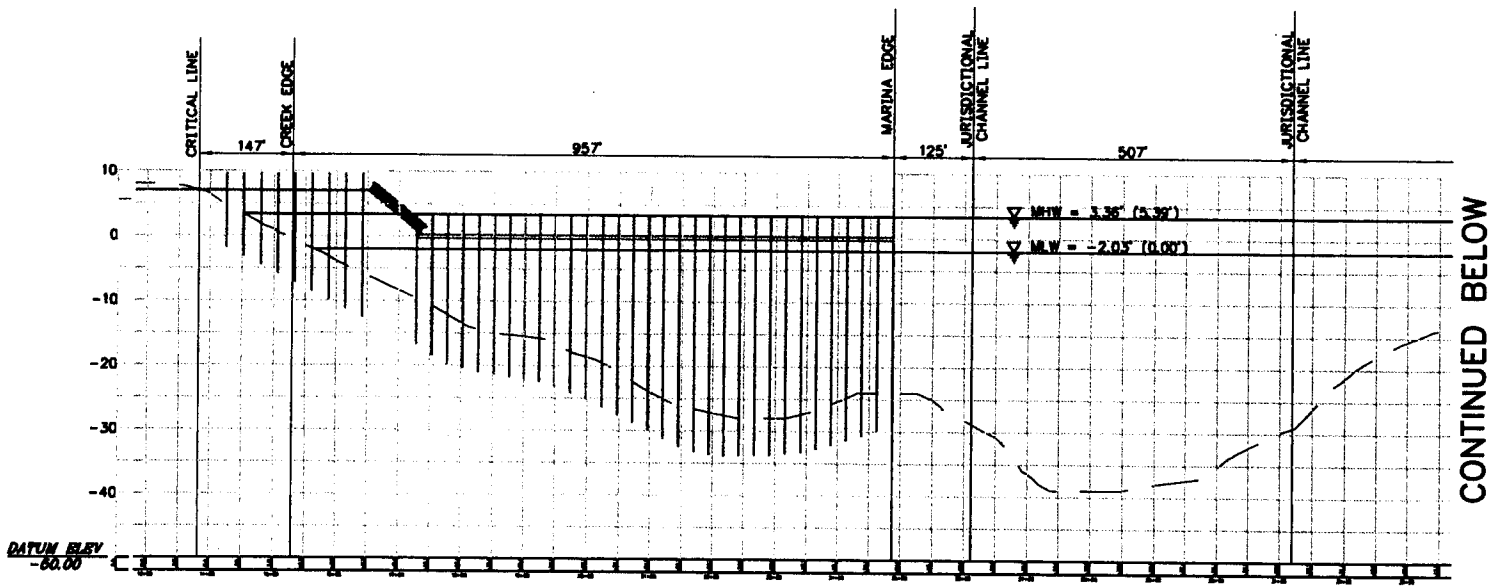
PROPOSE: COMMERCIAL MARINA AND UPLAND
Y STACK FACILITY

ATUM: NGVD29 (MLW)
 HHE=3.72' (5.75') MLW = -2.03' (-0.00')
 HW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 TL=0.67' (2.70')

PROPOSED MARINA REFERENCE PLAN FOR SECTIONS

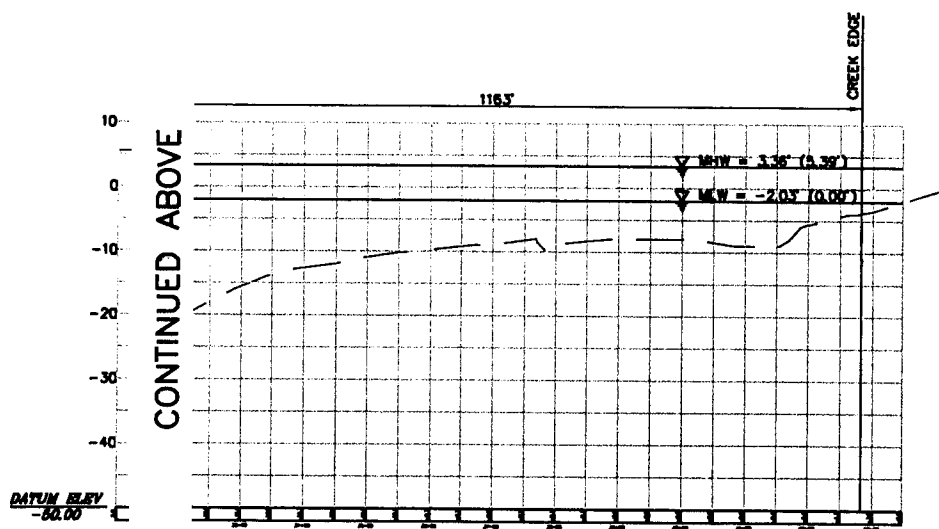
PROPOSED MARINA PLAN IN: WANDO RIVER

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



CONTINUED BELOW

HORIZONTAL 1:250
VERTICAL 1:25



CONTINUED ABOVE

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

JRPOSE: COMMERCIAL MARINA AND UPLAND
RY STACK FACILITY

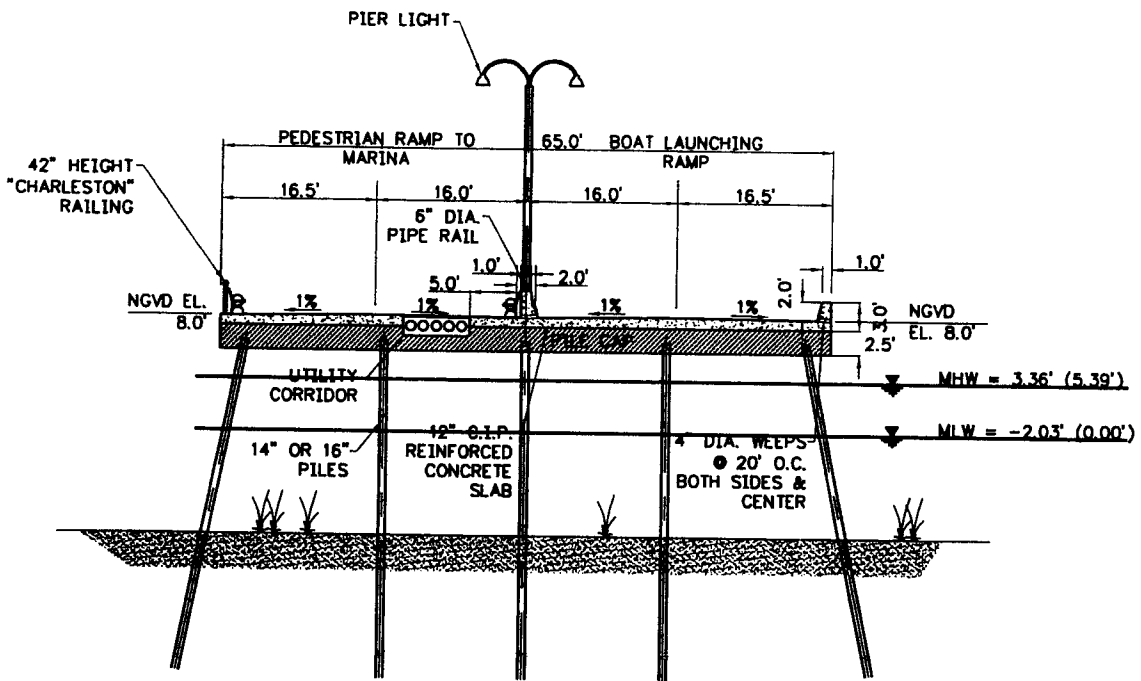
DATUM: NGVD29 (MLW)
AHHE=3.72' (5.75') MLW = -2.03' (-0.00')
AHW = 3.36' (5.39') MLLW=-2.21' (-0.18')
ATL=0.67' (2.70')

PROPOSED MARINA
RIVER SECTION A-A

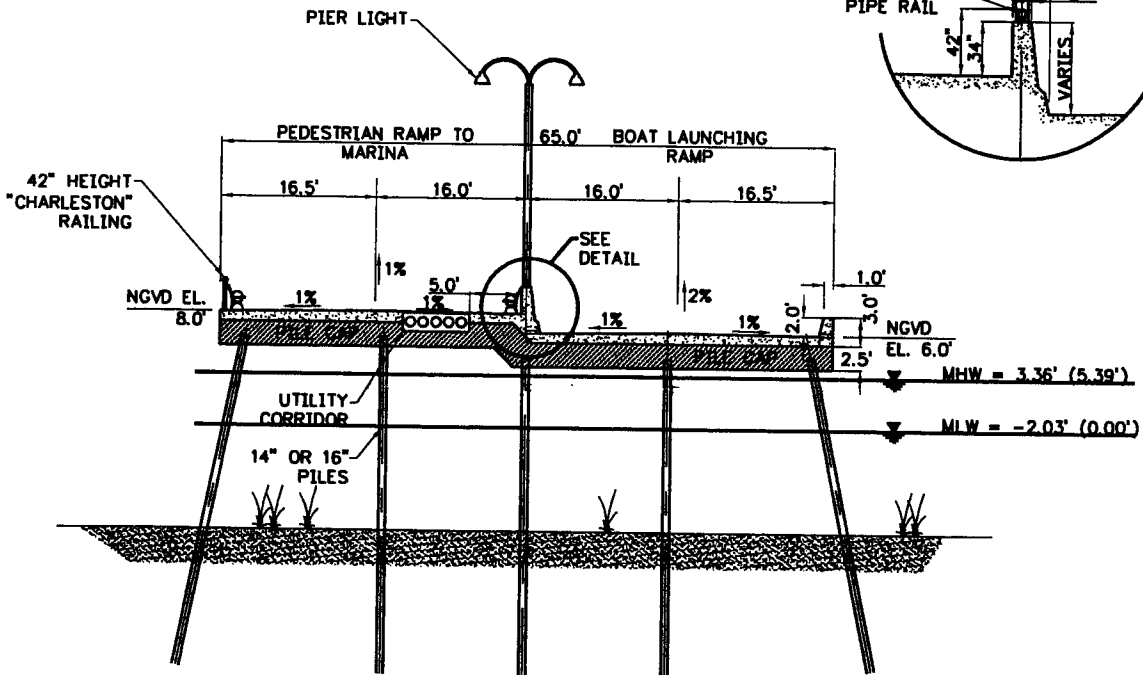
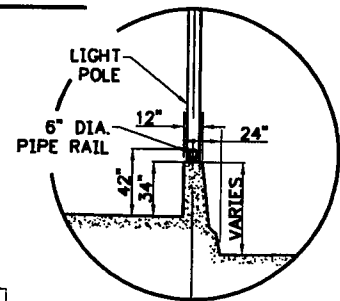
PROPOSED MARINA PLAN IN: WANDO RIVER

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

SHEET 15 OF 22



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



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

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

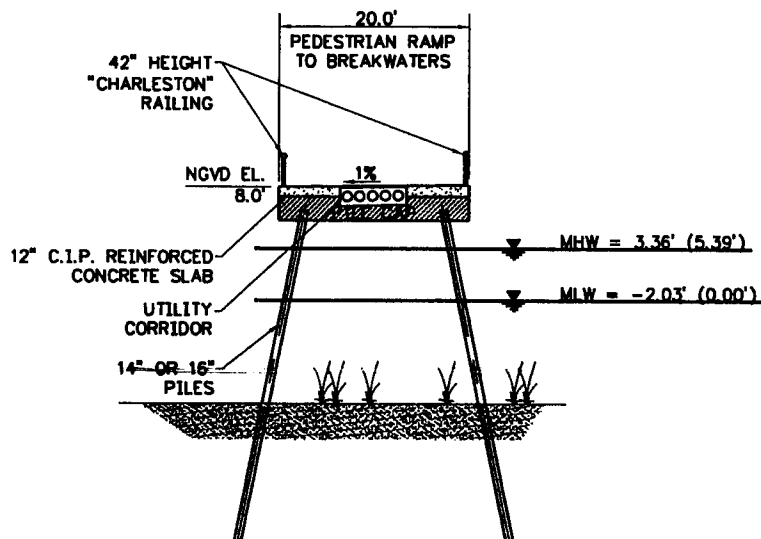
PROPOSE: COMMERCIAL MARINA AND UPLAND
Y STACK FACILITY

ATUM: NGVD29 (MLW)
HHE=3.72' (5.75') MLW = -2.03' (-0.00')
HW = 3.36' (5.39') MLLW = -2.21' (-0.18')
TL=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: FEBRUARY 2007



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

NOTE:
WATER LEVEL INFO:
NGVD29 (MLW)

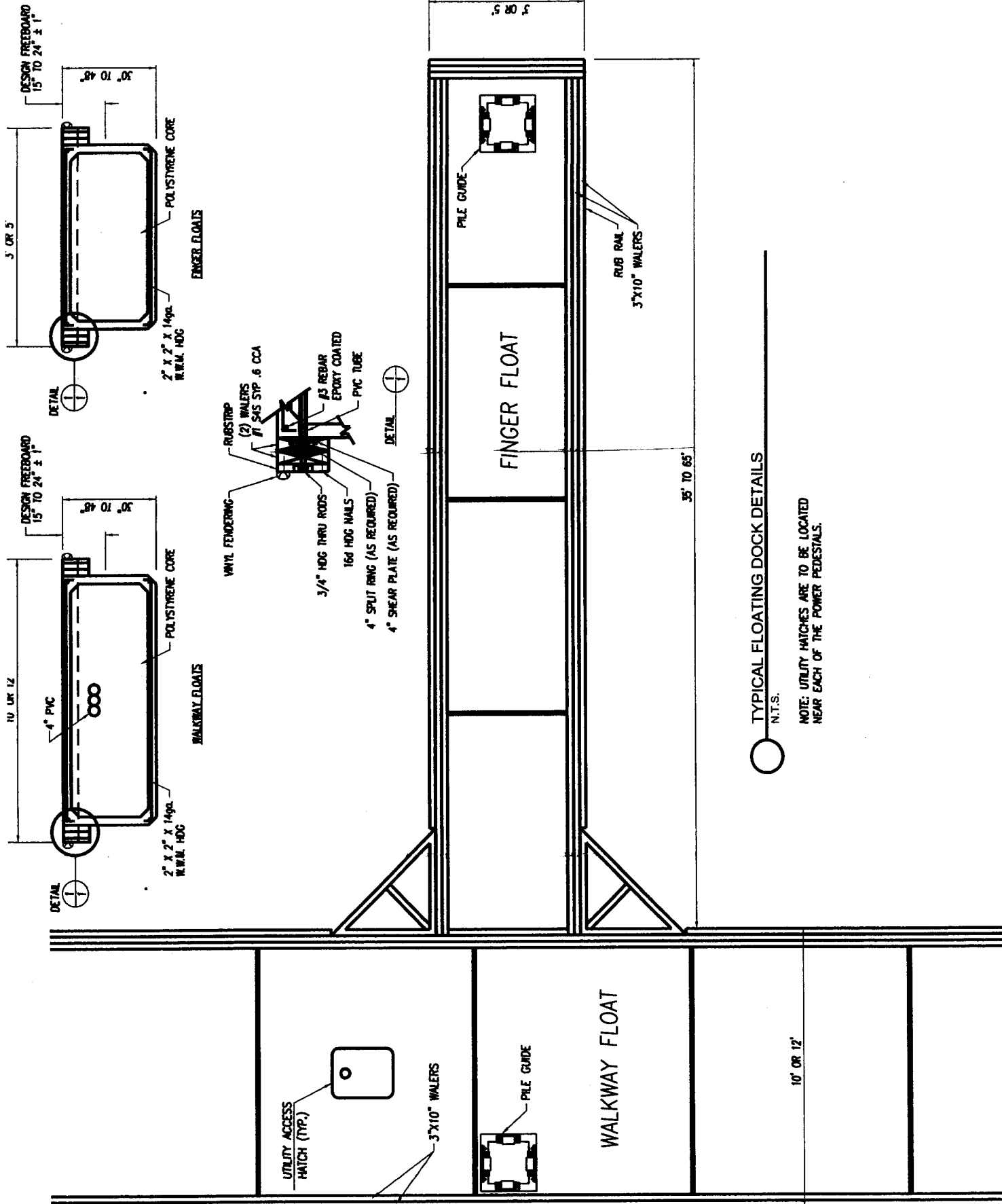
URPOSE: COMMERCIAL MARINA AND UPLAND
RY STACK FACILITY

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: FEBRUARY 2007



TYPICAL FLOATING DOCK DETAILS
 N.T.S.

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

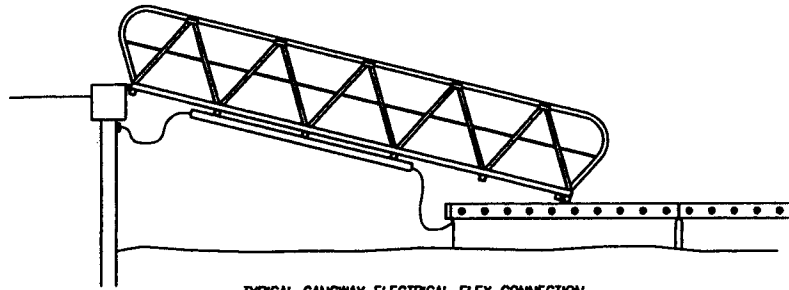
PROPOSED MARINA AND UPLAND PILE STACK FACILITY

WATER: NGVD29 (MLW)
 MHH=3.72' (5.75') MLW = -2.03' (-0.00')
 MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')
 ATL=0.67' (2.70')

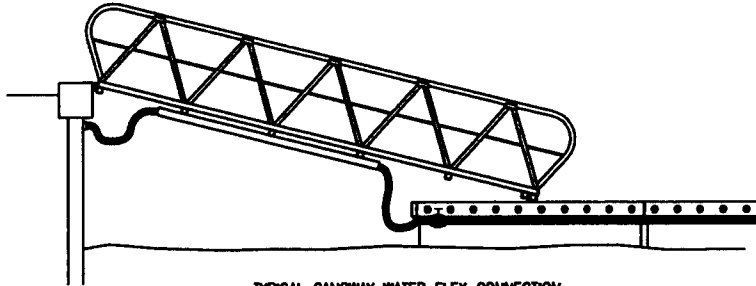
PROPOSED MARINA DETAILS

PROPOSED MARINA PLAN IN: WANDO RIVER

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

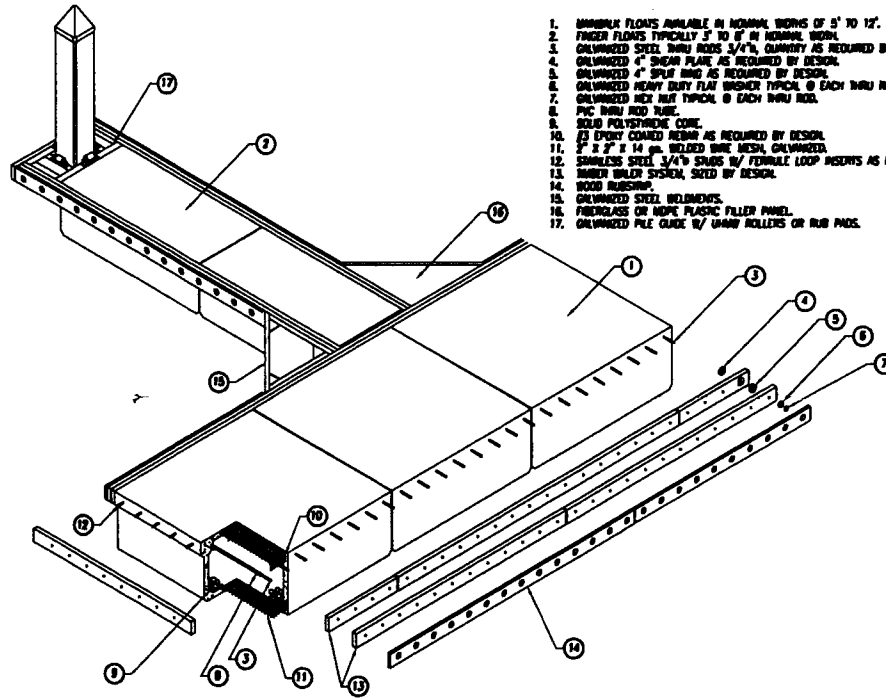


TYPICAL GANGWAY ELECTRICAL FLEX CONNECTION



TYPICAL GANGWAY WATER FLEX CONNECTION

TYPICAL GANGWAY CONNECTIONS
N.T.S.



1. MARINE FLOATS AVAILABLE IN NORMAL WIDTHS OF 8' TO 12'.
2. FINGER FLOATS TYPICALLY 3' TO 6' IN NORMAL WIDTH.
3. GALVANIZED STEEL THRU RODS 5/16", QUANTITY AS REQUIRED BY DESIGN.
4. GALVANIZED 1" SPLIT PLATE AS REQUIRED BY DESIGN.
5. GALVANIZED 4" SPLIT RING AS REQUIRED BY DESIGN.
6. GALVANIZED HEAVY DUTY FLAT BASKET TYPICAL @ EACH THRU ROD.
7. GALVANIZED HEX NUT TYPICAL @ EACH THRU ROD.
8. PVC THRU ROD RUBBER.
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 1/4" STUDS W/ FERRULE LOOP HEADS AS REQUIRED.
13. WOOD WALK SYSTEM, SIZED BY DESIGN.
14. WOOD RUBBER.
15. GALVANIZED STEEL WEDGEMENTS.
16. FIBERGLASS OR ROPE PLASTIC FILLER PANEL.
17. GALVANIZED FILE GUIDE W/ WIND ROLLERS OR RUB PADS.

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')

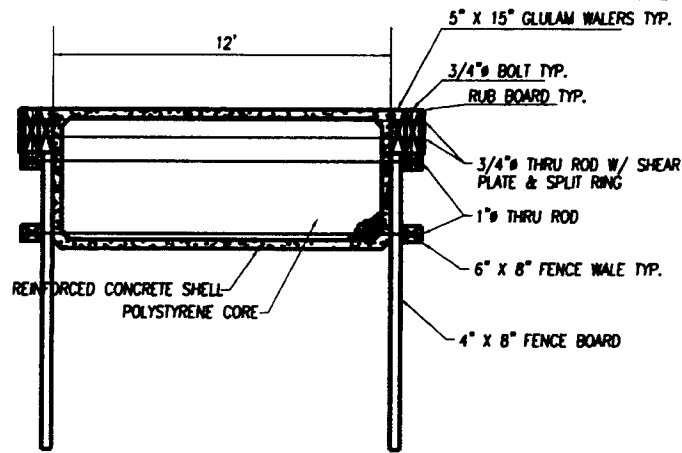
MHW = 3.36' (5.39') MLLW = -2.21' (-0.18')

MTL=0.67' (2.70')

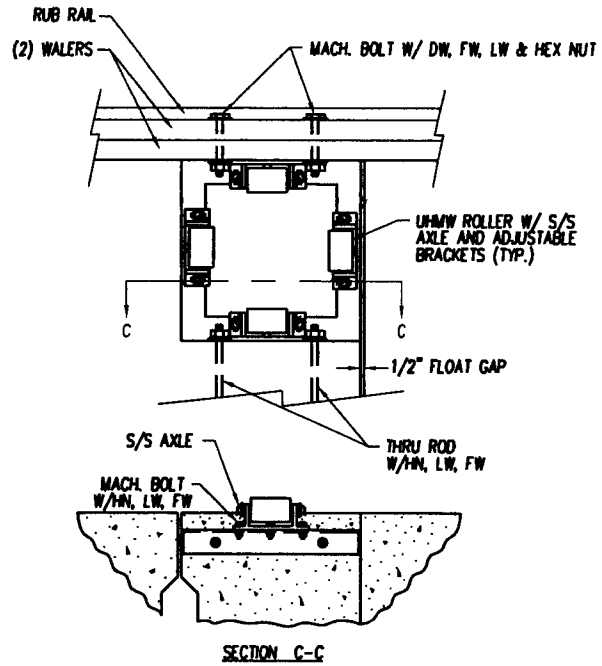
**PROPOSED MARINA
DETAILS**

PROPOSED MARINA PLAN IN: WANDO RIVER

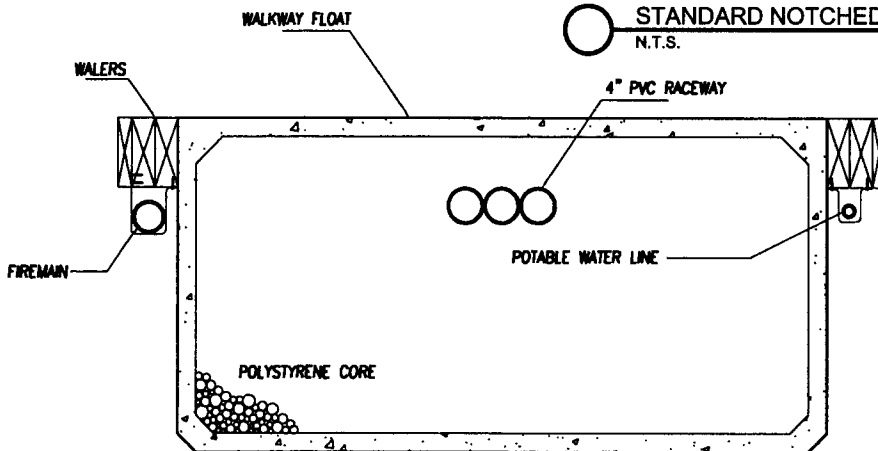
AT: DANIEL ISLAND
COUNTY: BERKELEY, SC
APPLICANT: DANIEL ISLAND COMPANY
DATE: FEBRUARY 2007



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



○ STANDARD NOTCHED PILE GUIDE
N.T.S.



○ TYPICAL UTILITY HANGER DETAIL
N.T.S.

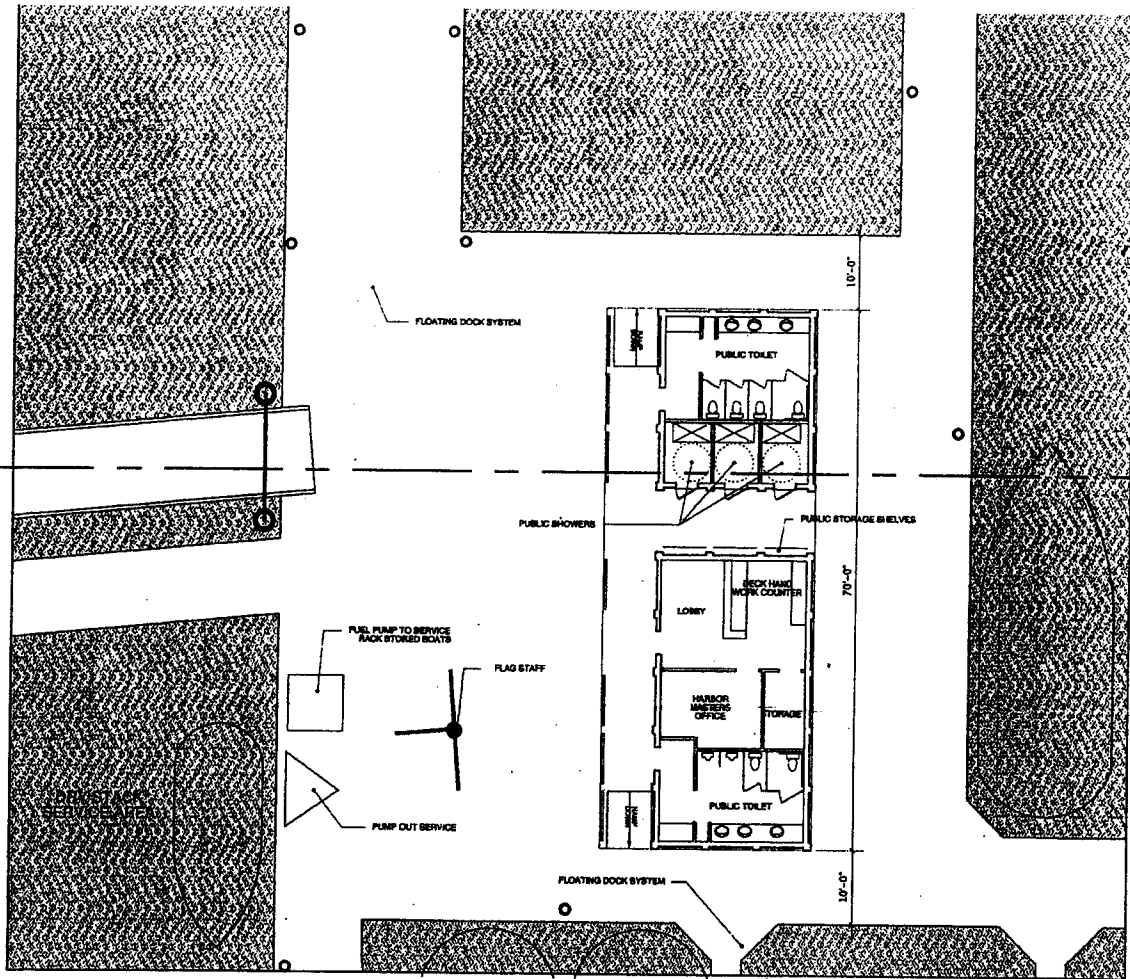
PROPOSE: COMMERCIAL MARINA AND UPLAND
RY STACK FACILITY

DATUM: NGVD29 (MLW)
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PROPOSED MARINA DETAILS

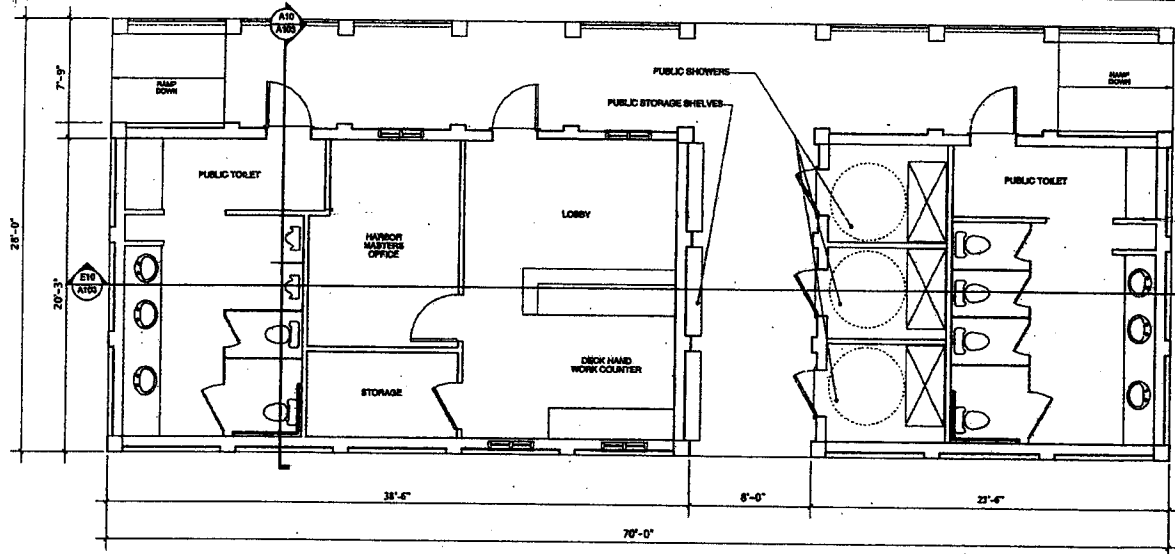
PROPOSED MARINA PLAN IN: WANDO RIVER

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



G1 PARTIAL DOCK PLAN

1/8" = 1'-0"



A1 HARBOR MASTER BUILDING PLAN

1/4" = 1'-0"

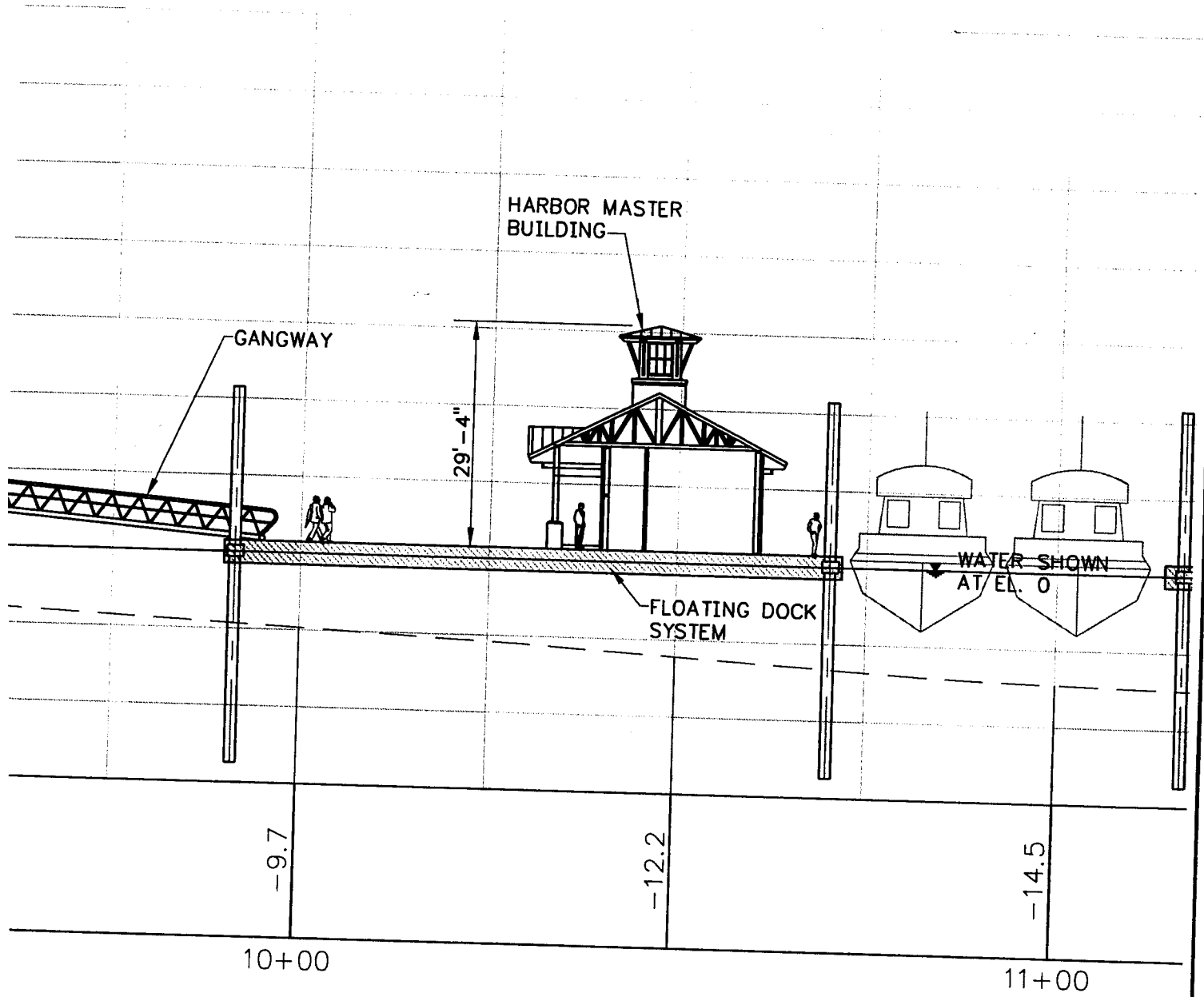
PURPOSE: COMMERCIAL MARINA AND UPLAND
RY STACK FACILITY

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



PROPOSE: COMMERCIAL MARINA AND UPLAND
STACK FACILITY

TUM: NGVD29 (MLW)
 HE=3.72' (5.75') MLW = -2.03' (-0.00')
 W = 3.36' (5.39') MLLW = -2.21' (-0.18')
 L = 0.67' (2.70')

PROPOSED MARINA
 HARBOR MASTER
 BUILDING SECTION A-A

PROPOSED MARINA PLAN IN: WANDO RIVER

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