

**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 Environmental Quality Control**  
**Water Quality Certification and Wetlands Programs Section**  
**2600 Bull Street**  
**Columbia, South Carolina 29201**

REGULATORY DIVISION

Refer to: P/N #2005-1W-038-C

25 FEBRUARY 2005

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), the South Carolina Coastal Zone Management Act (48-39-10 et seq.), and the S.C. Construction in Navigable Waters Permit Program (R. 19-450, et seq., 1976 S.C. Code of Laws, as amended), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

**JACOBS APPLIED TECHNOLOGY, INC. (JET)**  
**c/o S&ME, INC.**  
**620 WANDO PARK BOULEVARD**  
**MT. PLEASANT, SOUTH CAROLINA 29464**

for a permit to reconstruct two docks, perform hydraulic maintenance dredging and upland disposal in waters of and adjacent to the

COOPER RIVER

At a location within and near an existing barge slip on the Jacobs Applied Technology, Inc. (JET) property located adjacent to 2040 Bushy Park Road in Berkeley County, South Carolina (Latitude 33.00810°, Longitude 79.921700°)

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, 28 MARCH 2005**

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

The proposed work consists of performing hydraulic maintenance dredging in an existing barge slip to remove 3,500 cubic yards of sediment and pumping the material approximately 1,100 feet to an existing 2 acre upland disposal area on the south side of the property. The outfall structure will empty into an existing drainage

REGULATORY DIVISION

Refer to: P/N #2005-1W-038-C

25 FEBRUARY 2005

ditch that runs to the Cooper River as shown on sheet 10 of 13. The applicant has provided sediment testing results that have been forwarded to the interagency sediment committee for review. The project also includes the reconstruction and expansion of the two existing docks shown on sheets 3 and 7 of 13 as follows: a 4' x 40' walkway leading to a 12' x 20' pierhead with a 4' x 12' ramp that leads to a 12' x 20' floating dock as shown on sheets 4 and 8 of 13. Please note that this is the former General Dynamics property that permits and a modification have been issued for as 92-4T-277. The purpose of the barge slip dredging portion of the project is for access to the Cooper River to ship large industrial project modules produced by Jacobs Applied Technology, Inc. and the purpose of the reconstruction and expansion of the two existing docks is , according to the applicant, to provide boating access and for recreational access to the Cooper River for employees, vendors and other approved personnel.

**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 of the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. This activity may also require evaluation for compliance with the S.C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S.C. Department of Health and Environmental Control. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to State certification or the navigable waters permit must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 0.007 acres of 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.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the applicant has provided a protected species survey for the property associated with the activity described above. Based

REGULATORY DIVISION

Refer to: P/N #2005-1W-038-C

25 FEBRUARY 2005

upon this report, the District Engineer has determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

The District Engineer has 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. Consultation of the National Register constitutes the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the presence of such resources. Presently unknown archaeological, scientific, prehistorical, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

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.

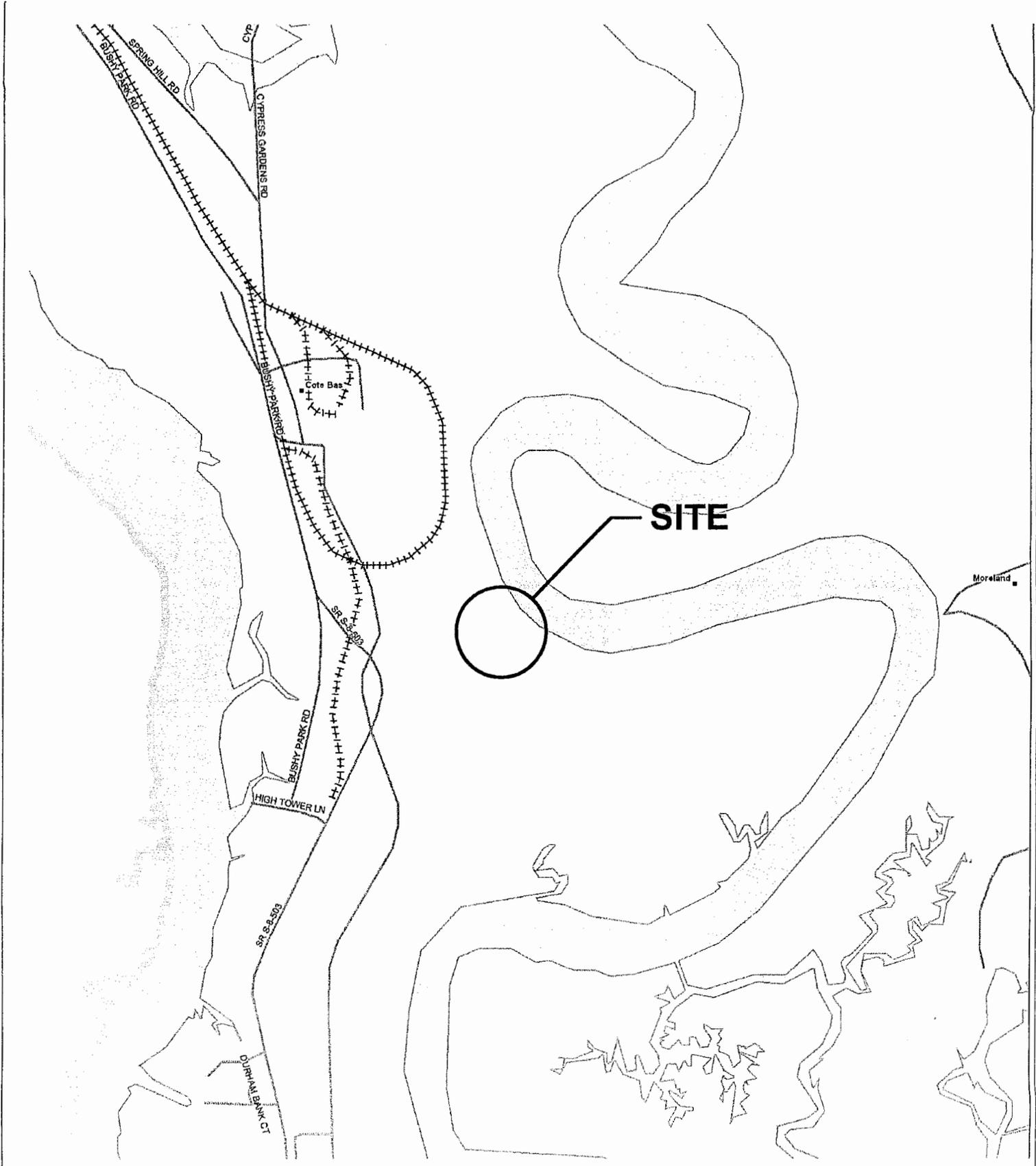
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. 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.

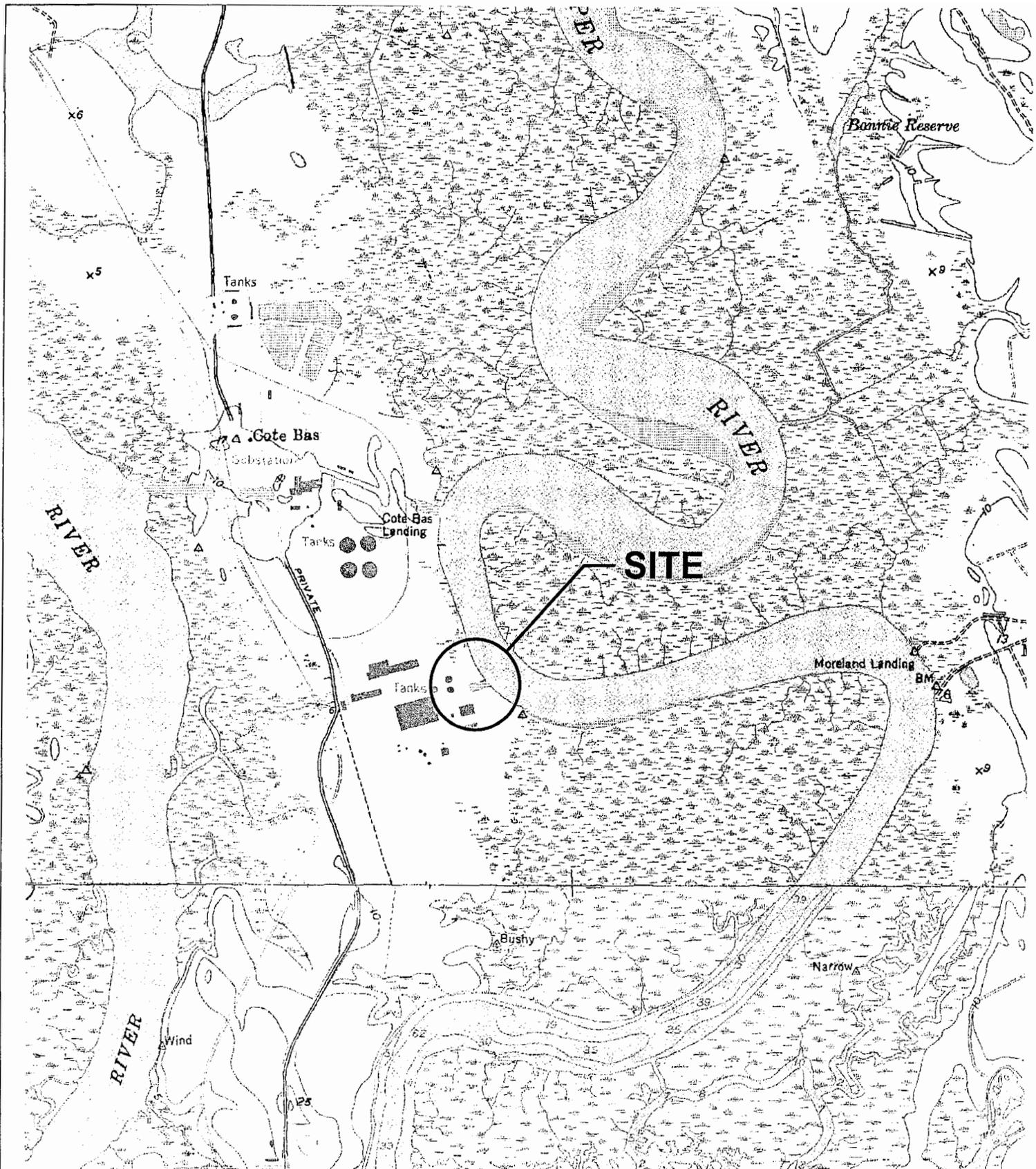
If there are any questions concerning this public notice, please contact me at 843-329-8044 or toll free at 1-866-329-8187.



Debra W. King  
Project Manager  
Regulatory Division  
U.S. Army Corps of Engineers



2005-1W-038-C  
 LOCAL STREET MAP  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE:  
 SHEET NO. 1 OF 13



2005-1W-038-C

TOPOGRAPHIC LOCATION MAP

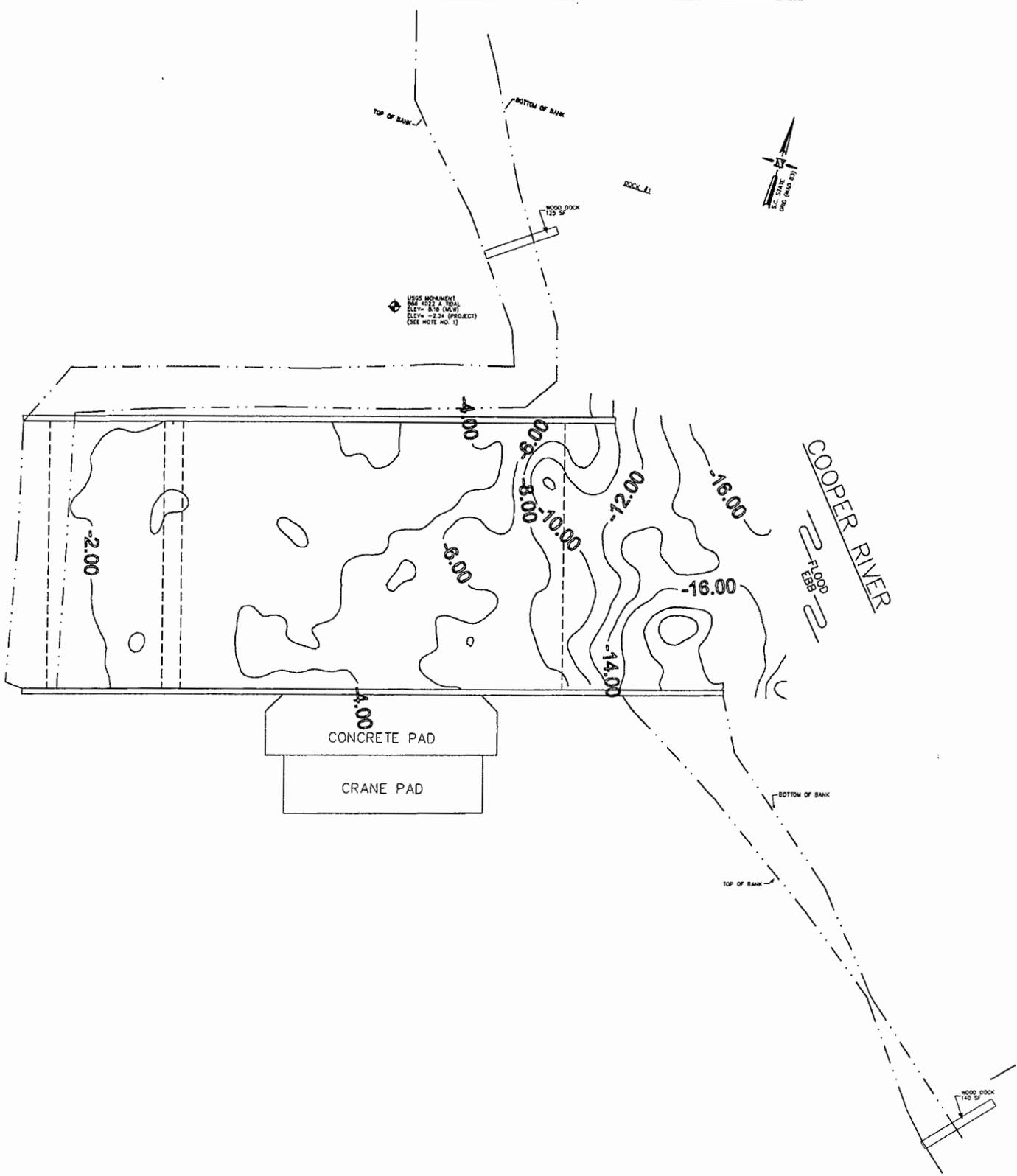
APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN

COUNTY: BERKELEY

DATE: 11-04-04

SCALE:

SHEET NO. 2 OF 3



2005-1W-038-C

PLAN VIEW OF EXISTING DOCKS AND SLIP  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE: 1"=60'  
 SHEET NO. 3 OF 13



DOCK #1

TOP OF BANK

BOTTOM OF BANK

MHW TO MHW  
1.2 MILES

A

USGS MONUMENT  
SEE 4021 A TOTAL  
ELEV = 814 (MHW)  
ELEV = -218 (PROJECT)  
(SEE NOTE NO. 3)

COOPER RIVER

FLOOD  
EBS

B

B'

PROJECT DEPTH 6 FEET

MLW TO MLW  
622 FEET

CONCRETE PAD

CRANE PAD

BOTTOM OF BANK

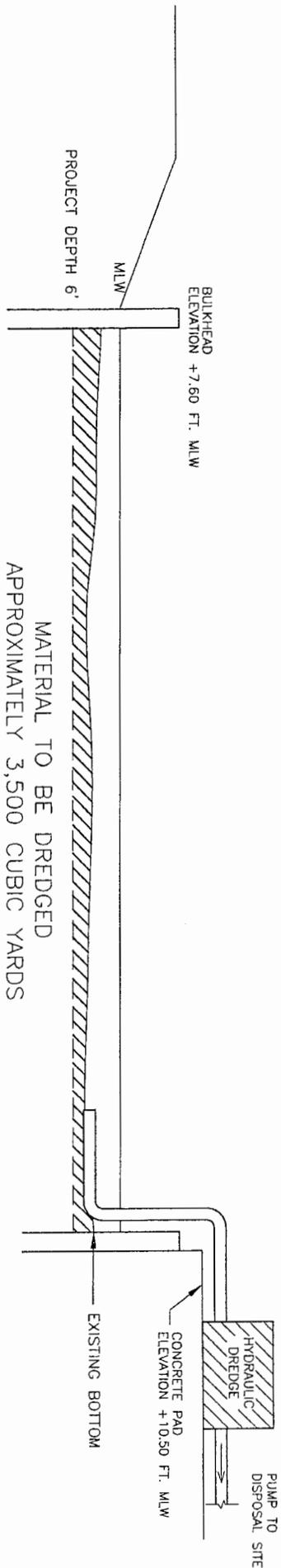
TOP OF BANK

A'

DOCK #2

2005-1W-038-C

PLAN VIEW OF PROPOSED DOCKS AND SLIP  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE: 1"=60'  
 SHEET NO. 4 OF 13

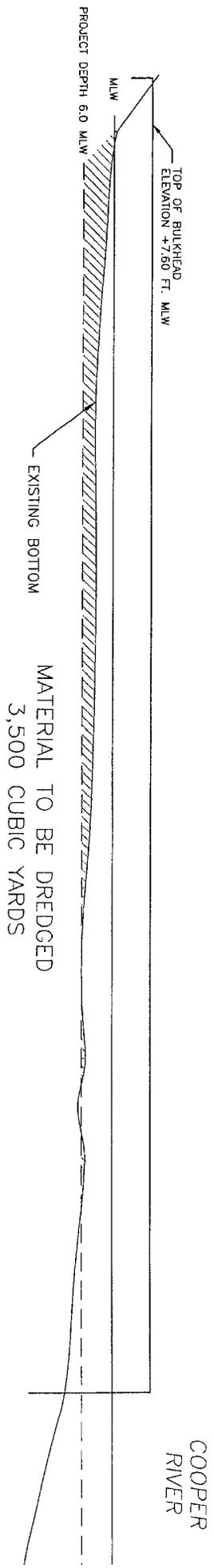


TYPICAL CROSS-SECTION A-A'

2005-1W-038-C

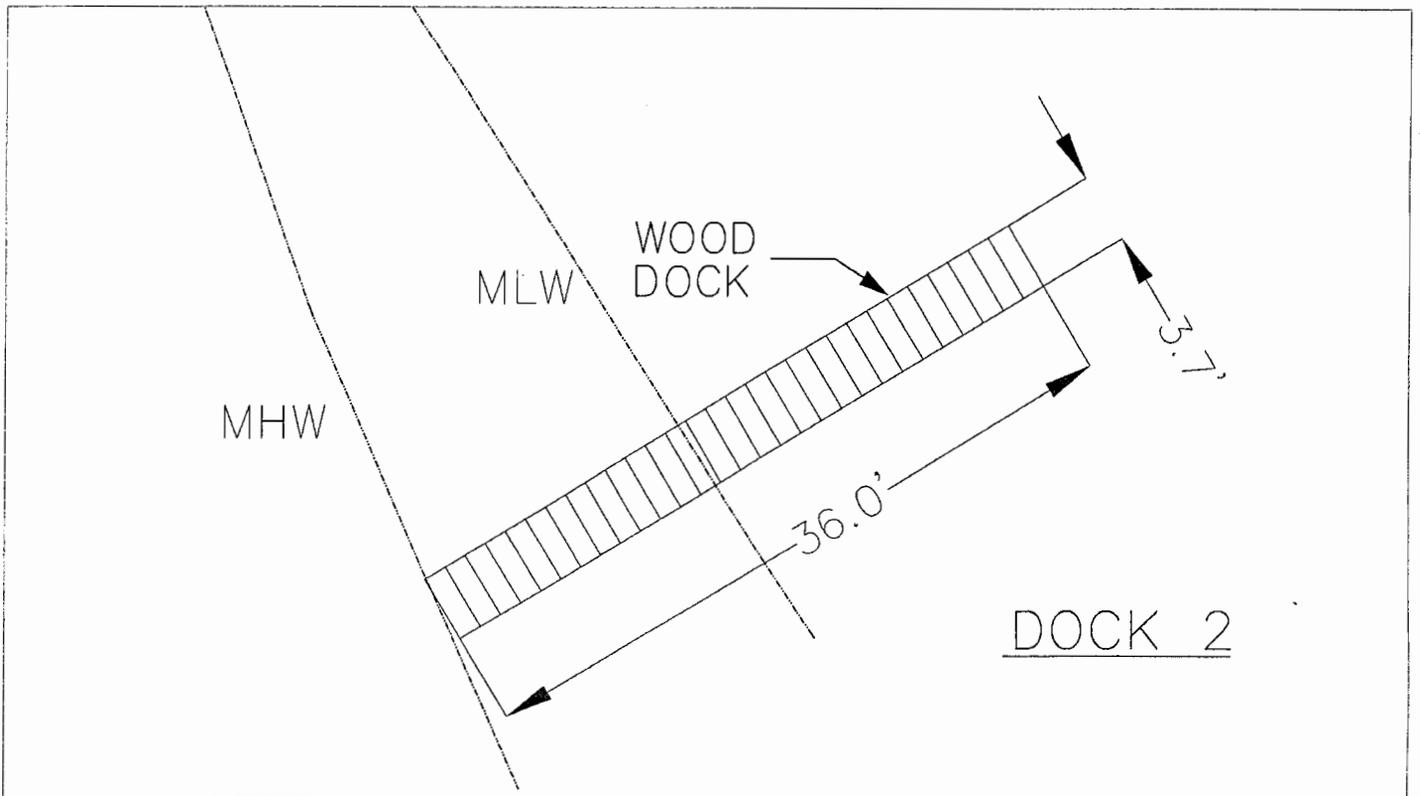
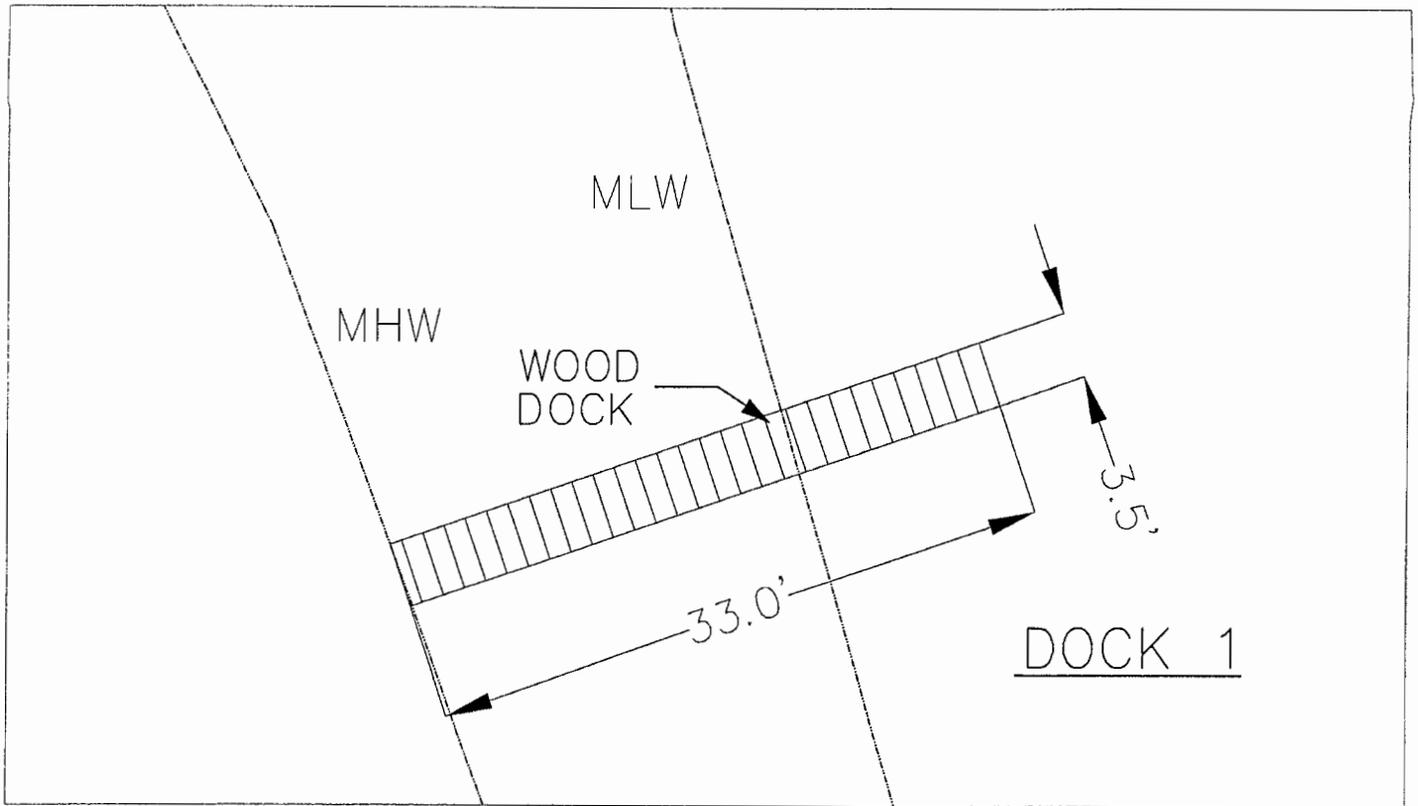
SECTION A-A'  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: WINGATE FARMS WETLANDS  
 AND DOCK MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE: 1"=20'  
 SHEET NO. 5 OF 13

TYPICAL CROSS-SECTION B-B'



2005-1W-038-C

SECTION B-B'  
APPLICANT: JACOBS APPLIED TECHNOLOGIES  
PROJECT TITLE: WINGATE FARMS WETLANDS  
AND DOCK MASTER PLAN  
COUNTY: BERKELEY  
DATE: 11-04-04  
SCALE: 1"=30'  
SHEET NO. 6 OF 13



2005-1W-038-C

**EXISTING DOCKS 1&2**

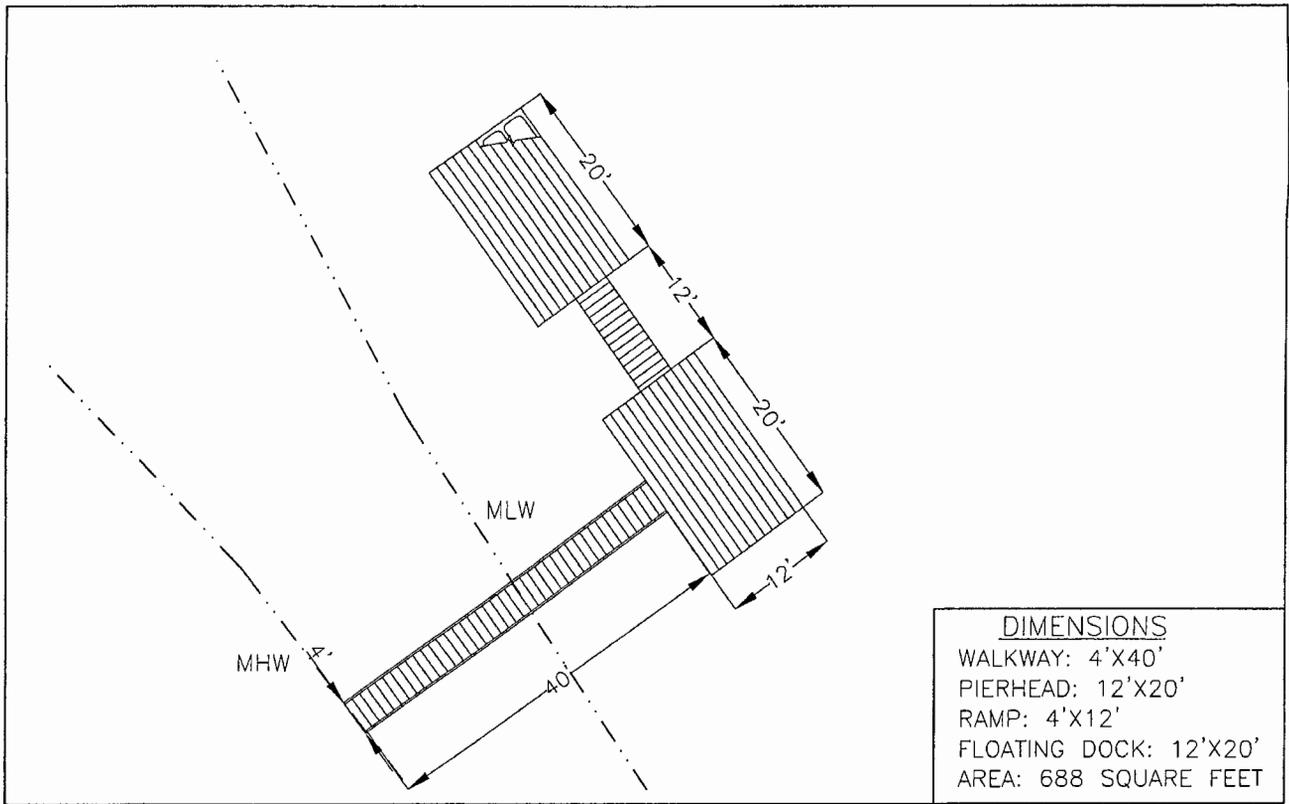
APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN

COUNTY: BERKELEY

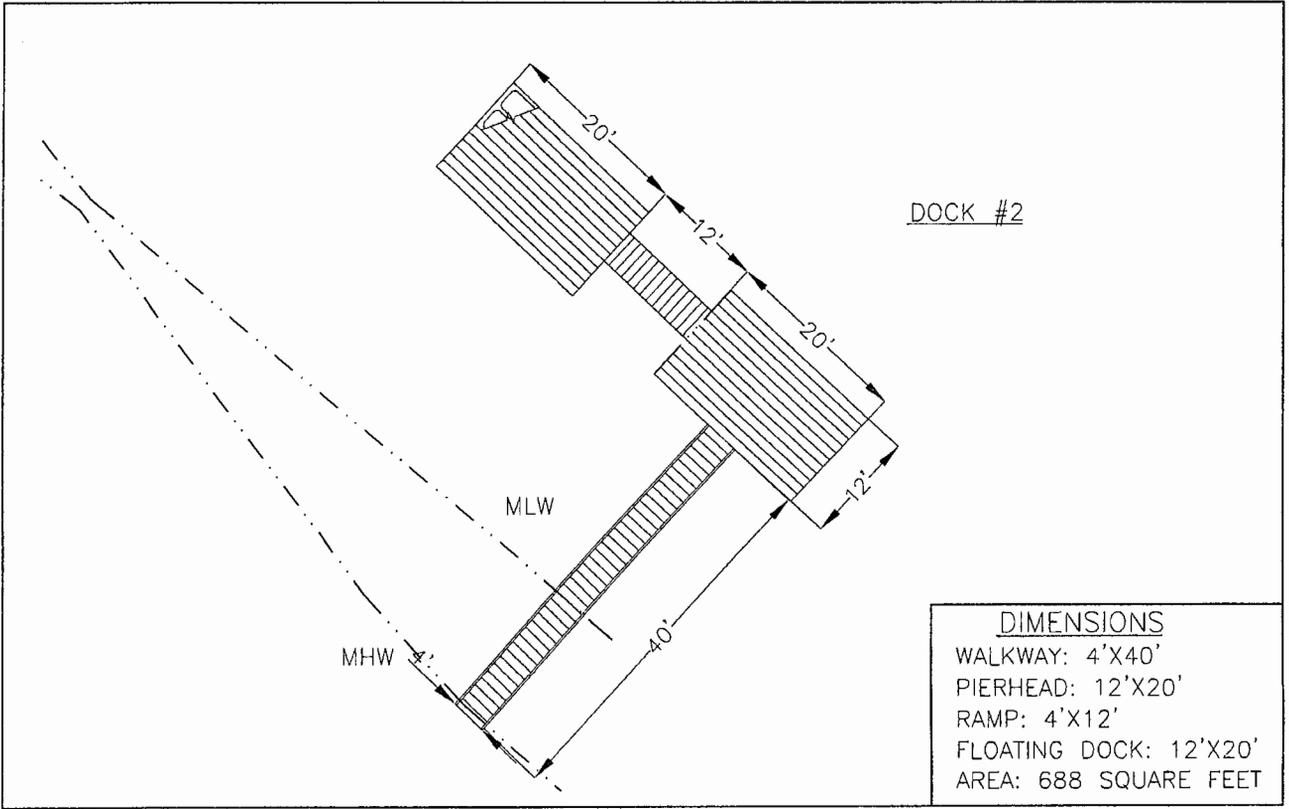
DATE: 11-04-04

SCALE: 1"=10'

SHEET NO. 7 OF 13



DIMENSIONS  
 WALKWAY: 4'X40'  
 PIERHEAD: 12'X20'  
 RAMP: 4'X12'  
 FLOATING DOCK: 12'X20'  
 AREA: 688 SQUARE FEET

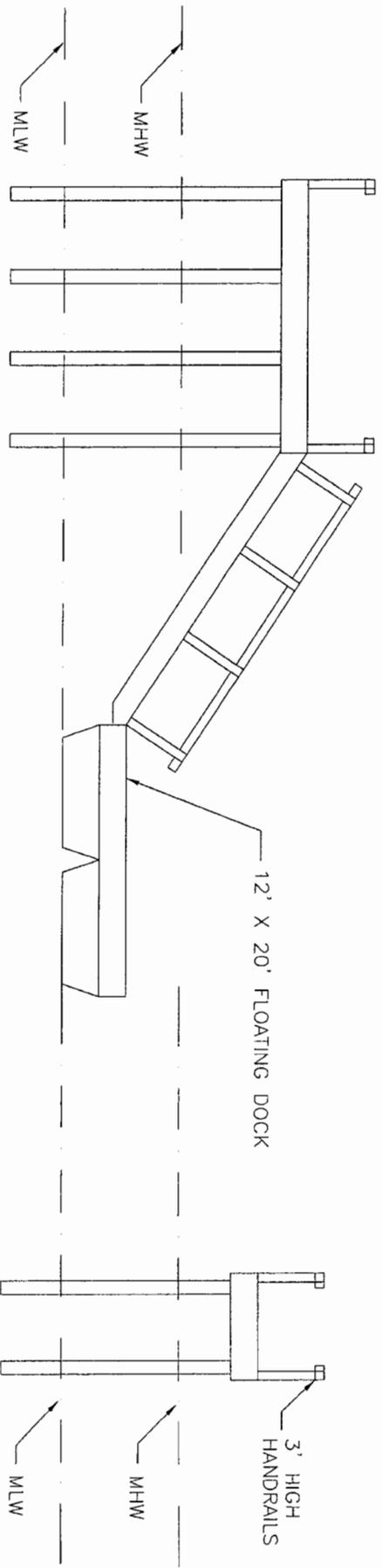
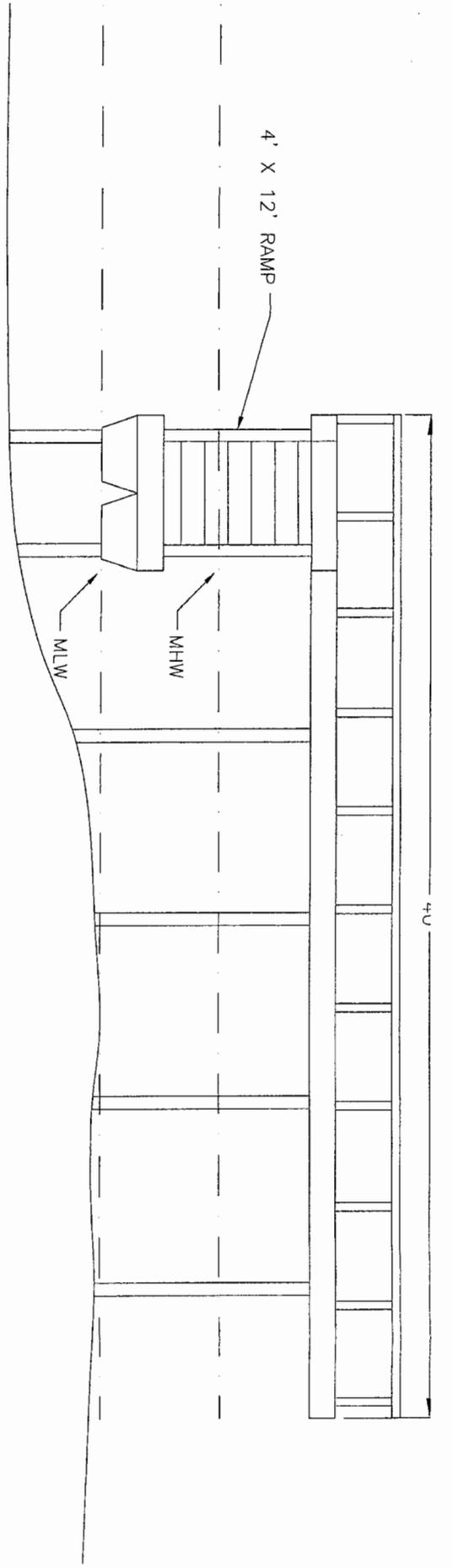


DOCK #2

DIMENSIONS  
 WALKWAY: 4'X40'  
 PIERHEAD: 12'X20'  
 RAMP: 4'X12'  
 FLOATING DOCK: 12'X20'  
 AREA: 688 SQUARE FEET

2005-1W-038-C

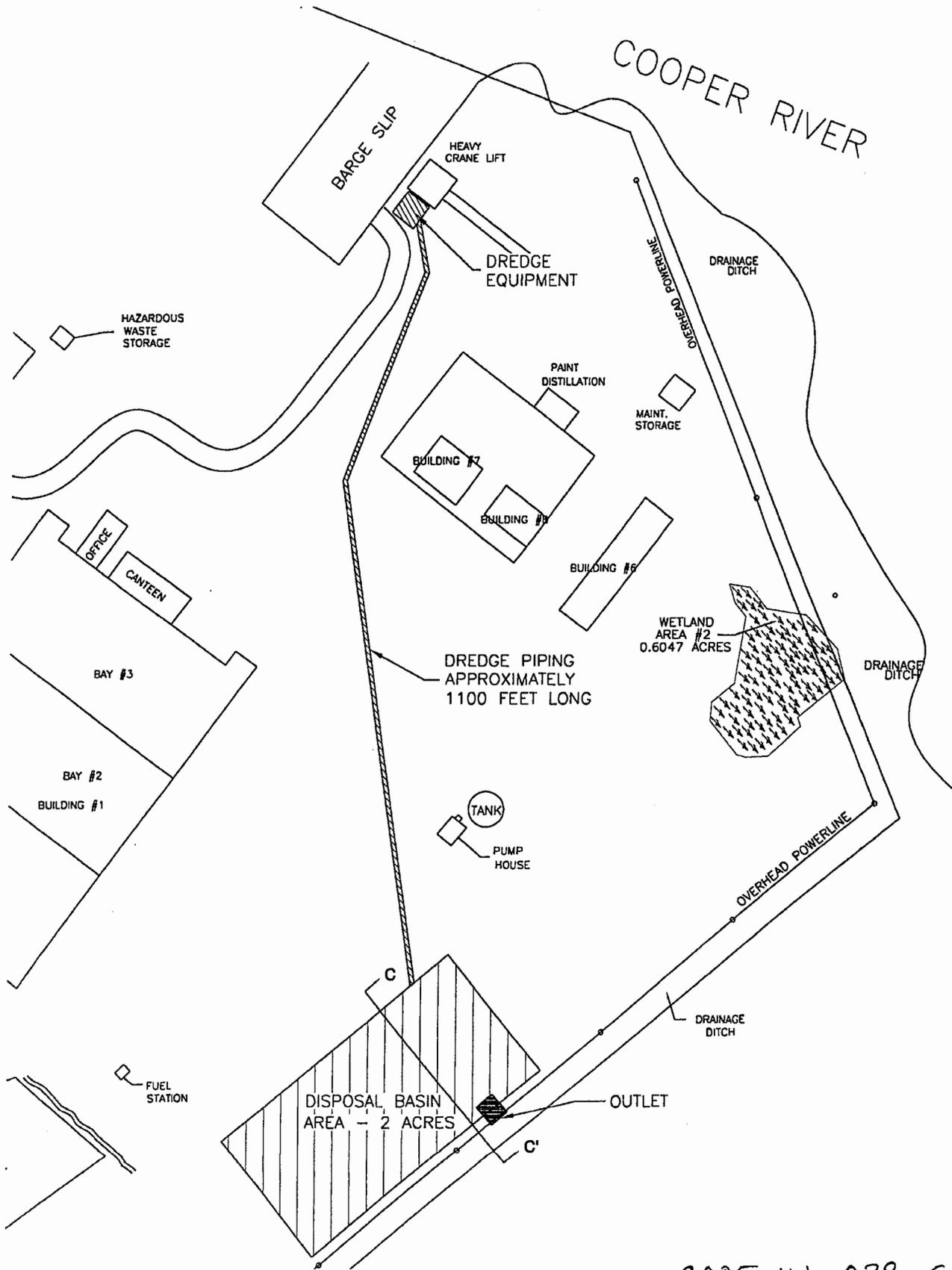
**PROPOSED DOCKS 1&2**  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE: 1"=20'  
 SHEET NO. 8 OF 13



**DIMENSIONS**  
 WALKWAY: 4'X40'  
 PIERHEAD: 12'X20'  
 RAMP: 4'X12'  
 FLOATING DOCK: 12'X20'  
 AREA: 688 SQUARE FEET

*2005-1W-038-C*

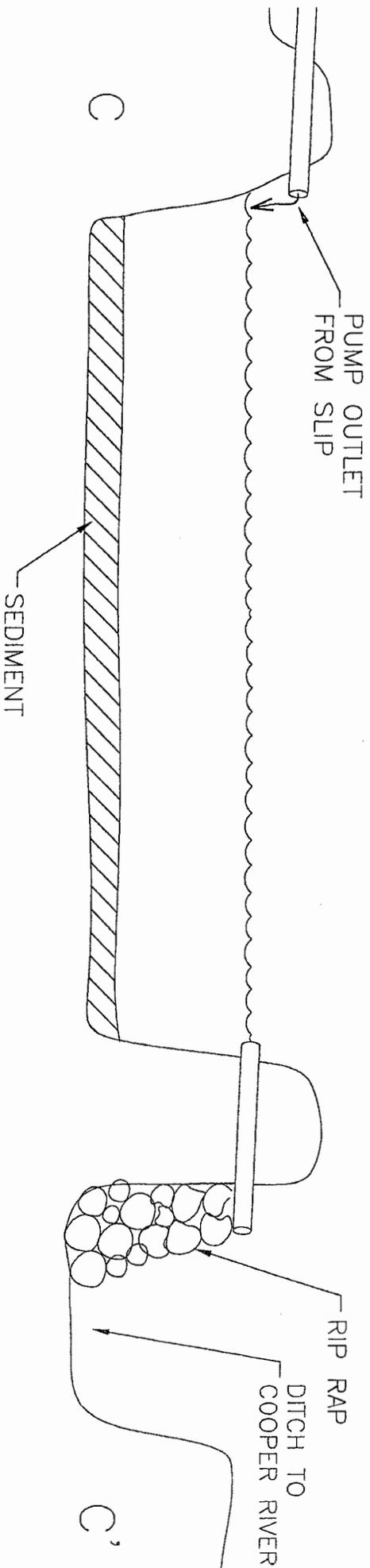
**TYPICAL PROPOSED DOCK - ELEVATION**  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: WINGATE FARMS WETLANDS  
 AND DOCK MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 11-04-04  
 SCALE: NTS  
 SHEET NO. 9 OF 13



2005-1W-038-C

DREDGE PIPING  
 APPLICANT: JACOBS APPLIED TECHNOLOGIES  
 PROJECT TITLE: BARGE SLIP AND DOCK  
 MASTER PLAN  
 COUNTY: BERKELEY  
 DATE: 1-14-05  
 SCALE: 1"=200'  
 SHEET NO. 10 OF 13

CROSS-SECTION C-C'



2005-1W-038-C

SECTION C-C'

APPLICANT: JACOBS APPLIED TECHNOLOGIES  
PROJECT TITLE: WINGATE FARMS WETLANDS  
AND DOCK MASTER PLAN  
COUNTY: BERKELEY  
DATE: 1-14-05  
SCALE: 1"=30'  
SHEET NO. 11 OF 13

## Supplemental Information Sheet for the Joint Permit Application

**Project Name:** Barge Slip Dredging and Dock Replacement  
**Applicant:** Jacobs Applied Technology - Merry Suroweic (contact)  
**County:** Berkeley  
**Nearest Waterbody:** Cooper River  
**Date:** January 11, 2004  
**Prepared By:** S&ME, Inc.

### Protected Species Information

S&ME, Inc. researched the most recent US Fish and Wildlife Service (USFWS) and South Carolina Department of Natural Resources (SCDNR) databases for listed Federally Threatened, Endangered and Candidate Species, which occur in Berkeley County. The following freshwater/terrestrial/estuarine (non-marine) species were found to occur in the county, including the bald eagle (*Haliaeetus leucocephalus*), red-cockaded woodpecker (*Picoides borealis*), shortnosed sturgeon (*Acipenser brevirostrum*), pondberry (*Lindera melissifolia*), flatwoods salamander (*Ambystoma cingulatum*), American chaffseed (*Schwalbea americana*), Canby's dropwort (*Oxypolis canbyi*) and pool sprite (*Amphianthus pusillus*).

Assessment of required habitats for these species and a collection of habitat data were conducted during a field visit on September 21, 2004. A pedestrian survey was also conducted to determine if any of these species were located on or using this property. None of the above listed species were located on the project tract during the survey. The closest occurrence of a listed species is located approximately 2 miles to the south. A bald eagle nest is located on the Charleston Naval Weapons Station. The shortnosed sturgeon may use sub-tidal portions of this project area, but the use of a hydraulic dredge should minimize the impact of increased sedimentation in the area.

2005-1W-038-C

**Cultural Resources**

No known cultural resources are located on this property. A copy of the project description and location map has been forwarded to SHPO for compliance with Section 106 regulations. This information will be forwarded to the USACE upon receipt.

**Adjacent Property Owners List**

TMS Number	Name and Address
237-00-00-002	SCE&G Corporate Tax Department (050) Columbia, SC 29218
237-00-00-003	SCE&G Corporate Tax Department (050) Columbia, SC 29218
246-00-00-003	Lanxess Corporation 100 Bayer Road Pittsburg, PA 15205
246-00-00-004	Lanxess Corporation 100 Bayer Road Pittsburg, PA 15205
247-00-00-021	Nucor Steel Corporation Huger, SC 29450

**Proposed Dock Dimensions**

Section →	Walkway	Pierhead	Float	Ramp	Total SF
<b>DOCK 1</b>	4 x 40 = 160sf	12 x 20 = 240	12 x 20 = 240	4 x 12 = 48	688
<b>DOCK 2</b>	4 x 40 = 160sf	12 x 20 = 240	12 x 20 = 240	4 x 12 = 48	688
<b>Total</b>					1,376 sf

2005-1W-038-C