



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT**  
**701 SAN MARCO BOULEVARD**  
**JACKSONVILLE, FLORIDA 32207**

May 1, 2025

Regulatory Division  
West Permits Branch  
Tampa Section  
SAJ-2025-01066(NWP-JLA)

**Pinellas County Parks and Conservation Resources**

c/o Paul Cozzie  
14 South Fort Harrison Ave  
Clearwater, FL 33756  
Sent via email: Pcozzie@pinellas.gov

Dear Mr. Cozzie:

Your request for authorization under emergency permitting procedures was received on April 03, 2025. Your proposal involves replacement and repair in kind for a boat launch facility damaged during Hurricane Milton in 2024. Specifically, you are proposing to: Replace in the existing (prior hurricane) footprint 4 dock gangways, floating docks, replace 16 guide piles with new 18-inch concrete piles, and repair spalling on existing concrete ramps as needed. Existing concrete ramps to remain. The aluminum gangways are 4-feet by 30 feet; floating docks are 8-feet by 36-feet for a total of 1,632 square feet of docking structures.

The project is located within tidal waters of Long Bayou at 9600 Bay Pines Blvd, Section 02, Township 31 South, Range 15 East, Bay Pines, Pinellas County, Florida. Location coordinates: Latitude 27.812002 °, Longitude: -82.767959 °. The proposed activities are authorized under approved emergency permitting procedures in accordance with the terms and conditions specified below.

**Terms:**

1. You are authorized to undertake the activity described above pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403).
2. The proposed activities are authorized by Nationwide Permit (NWP) 3 (Maintenance). In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the Nationwide Permit General Conditions, the Jacksonville District Regional Conditions, and the General and Project-Specific Special Conditions listed below. Please access

the U.S. Army Corps of Engineers Jacksonville District's Regulatory Source Book web page for links to view NWP information at: <https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>. Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there, select "Nationwide Permits."

3. The authorized work must be completed within **180 days** from the date of this authorization.
4. You must adhere to the general and special conditions listed below.
5. Authorization granted under emergency procedures does not convey any property rights or exclusive privileges. It does not authorize any injury to the property or rights of others or obviate the need to obtain other Federal, state, or local authorizations required by law. In addition, it does not authorize interference with any existing or proposed Federal project.

**General Conditions (33 CFR Part 320-330):**

1. The time limit for completing the work authorized ends on **October 26, 2025.**
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 on the transfer form attached to this letter and forward a copy 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.

6. You must allow a representative 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.

**Project-Specific Special Conditions:**

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:
  - a. For electronic mail (preferred): [SAJ-RD-Enforcement@usace.army.mil](mailto:SAJ-RD-Enforcement@usace.army.mil) (not to exceed 15 MB).
  - b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-2025-01066 (NWP – JLA), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall submit a completed “Commencement Notification” form (attached).
3. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.
4. **Self-Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the ENG Form 6285, “Certification of Compliance with Department of Army Permit” (located at [https://www.publications.usace.army.mil/Portals/76/Eng\\_Form\\_6285\\_2024%20Dec%20FINAL.pdf](https://www.publications.usace.army.mil/Portals/76/Eng_Form_6285_2024%20Dec%20FINAL.pdf)) and submit it to the Corps.
5. **Cultural Resources/Historic Properties:**
  - a. No structure or work shall adversely affect, impact, or disturb properties listed in the *National Register of Historic Places* (NRHP), or those eligible for inclusion in the NRHP.
  - b. If, during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with native cultures or early colonial settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a

100-meter diameter of the discovery and notify the Corps at the addresses listed in the **Reporting Address Special Condition** within the same business day (8 hours). The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions.

- c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition and, if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.
  - d. In the unlikely event that unmarked human remains are identified on non-federal lands; they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archaeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.
6. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures 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 U.S. Army 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.
7. **Jacksonville District Programmatic Biological Opinion (JAXBO):** Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Johnson's seagrass and its critical habitat were delisted from

the Endangered Species Act on May 16, 2022. Therefore, JAXBO PDCs required to minimize adverse effects to Johnson's seagrass and its critical habitat are no longer applicable to any project. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division website in the Endangered Species section of the Sourcebook located at:  
<http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

JAXBO may be subject to revision at any time. The most recent version of the JAXBO must be utilized during the design and construction of the permitted work.

8. **Manatee Conditions:** The Permittee shall comply with the attached "Standard Manatee Conditions for In-Water Work – 2011." The most recent version of the Manatee Conditions must be utilized.
9. **Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained daily until the authorized work has been completed and turbidity within the construction area has returned to ambient levels. Turbidity barriers shall be removed upon stabilization of the work area.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

Should you have any questions related to this verification or have issues accessing the documents reference in this letter, please contact Jennifer L. Alexander via telephone at 813-769-7076, or via e-mail at [Jennifer.L.Alexander@usace.army.mil](mailto:Jennifer.L.Alexander@usace.army.mil).

Sincerely,

A handwritten signature in black ink that reads "Jennifer L. Alexander". The script is cursive and elegant, with the first letters of each word being capitalized and prominent.

Jennifer L. Alexander  
Project Manager

Enclosures  
Drawings  
Commencement Form  
Standard Manatee Conditions

Cc:  
Agent-Kathleen Castor <[Kathleen.Castor@stantec.com](mailto:Kathleen.Castor@stantec.com)>

**DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST**

**DA PERMIT NUMBER: SAJ-2025-01066(NWP-JLA)**

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. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to: [SAJ-RD-Enforcement@usace.army.mil](mailto:SAJ-RD-Enforcement@usace.army.mil) (not to exceed 15 MB).

\_\_\_\_\_  
(TRANSFEREE-SIGNATURE)

\_\_\_\_\_  
(SUBDIVISION)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(LOT)

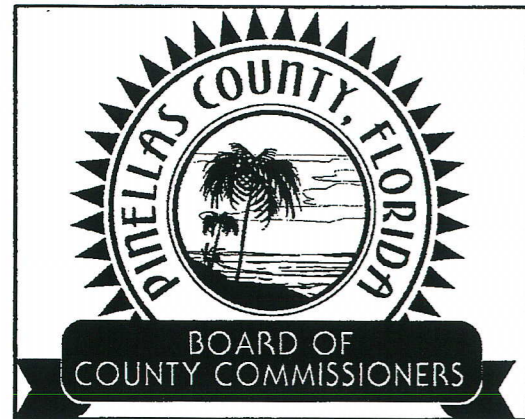
\_\_\_\_\_  
(BLOCK)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(STREET ADDRESS)

\_\_\_\_\_  
(MAILING ADDRESS)

\_\_\_\_\_  
(CITY, STATE, ZIP CODE)



OUR PUBLIC WORKS MISSION IS TO SERVE THE CITIZENS AND VISITORS OF PINELLAS COUNTY BY PROVIDING, IMPLEMENTING, OPERATING AND MAINTAINING COASTAL, SURFACE WATER AND TRANSPORTATION PROGRAMS IN A PROFESSIONAL MANNER WHICH SUPPORTS ECONOMIC AND COMMUNITY GROWTH.

# PINELLAS COUNTY ENGINEERING DEPARTMENT STATE OF FLORIDA PLANS OF PROPOSED BOAT DOCK FACILITY UPGRADES 2006

P.I.D. NO. 1361

## RELATED STANDARDS AND SPECIFICATIONS

DOCUMENT	DESCRIPTION
D-1	FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 2006 AND ALL SUPPLEMENTAL SPECIFICATIONS THERETO.
D-2	STATE OF FLORIDA "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", MAY, 2001.
D-3	FEDERAL HIGHWAY ADMINISTRATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", 2003 EDITION.
D-4	PINELLAS COUNTY "SPECIFICATIONS FOR HOT BITUMINOUS MIXTURES, PLANT METHODS, EQUIPMENT AND CONSTRUCTION METHODS", JULY, 2000 OTHER THAN F.D.O.T. RIGHT OF WAY.
NOTE: THE PROVISIONS OF DOCUMENT D-4 SHALL SUPERSEDE CORRESPONDING PROVISIONS OF DOCUMENT D-1.	
D-5	FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND TRAFFIC DESIGN STANDARDS", 2006.
D-6	PINELLAS COUNTY ENGINEERING DEPARTMENT "SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION" (FOR CONTRACT CORRESPONDING TO THESE PLANS).
D-7	PINELLAS COUNTY, DEPARTMENT OF PUBLIC WORKS "STANDARD CONSTRUCTION DETAILS", LATEST REVISION.
D-8	FLORIDA DEPARTMENT OF TRANSPORTATION, STRUCTURES DESIGN OFFICE "STANDARD DRAWINGS", 2003 EDITION

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

## UTILITY WARNING NOTE

ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT - PROCEED WITH CAUTION - CALL "SUNSHINE" AND THE UTILITY OWNER(S) 2 WORKING DAYS IN ADVANCE OF BEGINNING WORK (1-800-432-4770).

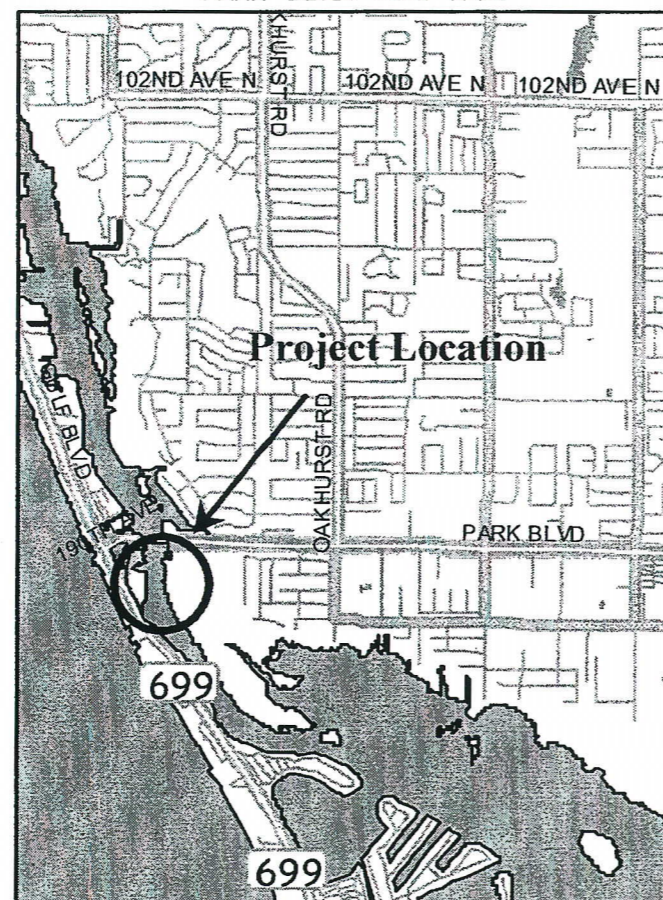
THE FOLLOWING COVERS ALL WORK PERFORMED WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY ONLY

ALL WORK SHALL CONFORM TO:

- FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004), (A.K.A.: STANDARD SPECS).
- FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS FOR CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON STATE HIGHWAY SYSTEM 2002
- FLORIDA DEPARTMENT OF TRANSPORTATION FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION (MAR. 1995).

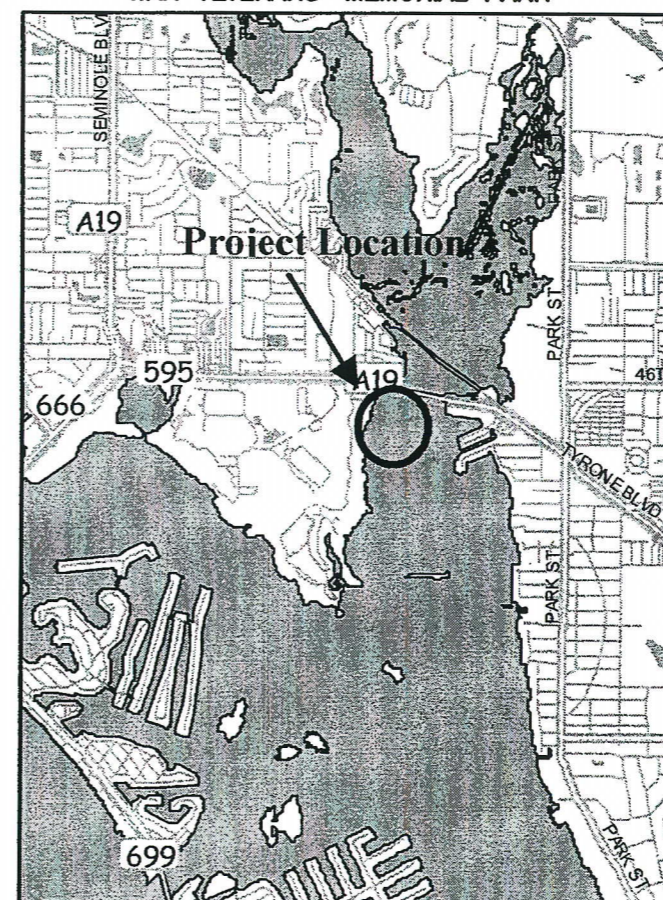
SUMMARY OF REVISIONS	
DATE	DESCRIPTION

PARK BLVD. BOAT RAMP



SECTION No. 30 TOWNSHIP No. 30 S  
RANGE No. 15 E

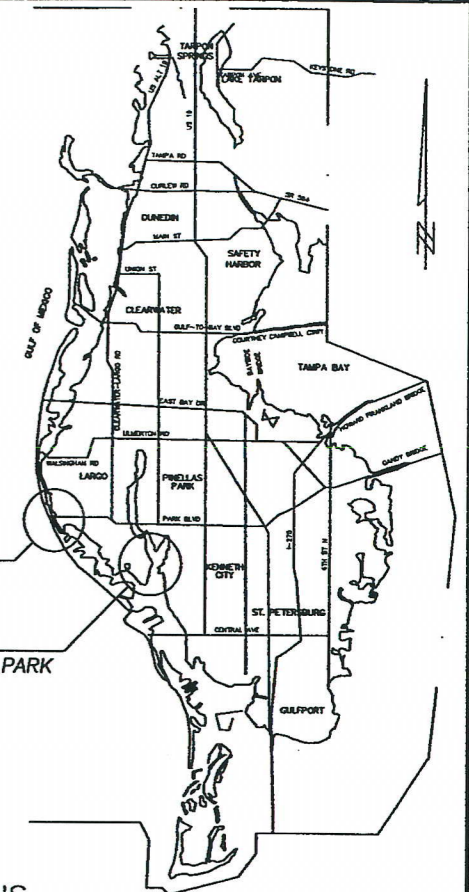
WAR VETERANS' MEMORIAL PARK



SECTION No. 2 TOWNSHIP No. 31 S  
RANGE No. 15 E

PROJECT LOCATION  
PARK BLVD.

PROJECT LOCATION  
WAR VETERANS' MEMORIAL PARK



## INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
01	COVER SHEET
02	GENERAL NOTES
03	SURVEY & LAYOUT PARK BLVD. BOAT RAMP
04	SURVEY & LAYOUT WAR VETERANS' PARK
05	DEMOLITION PLAN PARK BLVD. & WAR VETS' PARKS
06	PROPOSED BOAT DOCK PLAN PARK BLVD. & WAR VETS' PARKS
07	PROPOSED BOAT DOCK SECTIONS & DETAILS
08	CONCRETE ABUTMENT SECTIONS & DETAILS
09	EROSION CONTROL DETAILS

PINELLAS COUNTY, FLORIDA  
Public Works  
ENGINEERING DEPARTMENT  
440 COURT STREET  
CLEARWATER, FLORIDA 34616  
PHONE (727) 464-3881  
HASSAN R. SHAFEE, P.E.  
FL PE No. 57591  
6/19/06  
DATE

PROJECT PRODUCTION TEAM  
(CORE MEMBERS)  
DESIGN: JOHN M. LINTON, E.I.  
(PROJECT MANAGER) (727) 464-4348  
PARK DEPARTMENT: KATHY SWAIN  
LEAH D. HOFFMAN  
CONSTRUCTION: WILLIAM DALE LAIRD  
SURVEY: PENNY A. STANDRIDGE  
DEM: JAMES L. MEYER  
PERMIT COORDINATOR: JULIE A. BRENNAN  
UTILITY COORDINATOR: JAMES S. CANNON

SUBMITTED BY AND RECOMMENDED FOR APPROVAL BY: [Signature]  
ANTONIO HORNIK, P.E., STRUCTURES DIVISION ENGINEER  
RECOMMENDED FOR APPROVAL BY: [Signature]  
PAUL A. COZZIE, DIRECTOR OF CULTURE, EDUCATION & LEISURE  
RECOMMENDED FOR APPROVAL BY: [Signature]  
JOHN QUINTANA, P.E., DIRECTOR OF ENGINEERING  
APPROVED BY: [Signature]  
JAN R. HERBST, P.E., DIRECTOR OF PUBLIC WORKS  
DATE: 6/19/06  
DATE: 6/19/06  
DATE: 6/19/06

GENERAL

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING THE WORK OR ORDERING ANY PREFABRICATED COMPONENTS AND NOTIFY THE ENGINEER OF DISCREPANCIES.
- 2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.

DESIGN CRITERIA

- 1. LIVE LOADS
  - A. FLOATING DOCKS
    - \* 1. UNIFORM LOAD (LOADCASE 2B) 50 PSF
    - \* 2. CONCENTRATED LOAD (LOADCASE 3) 650 POUNDS
    - \*SEE TECHNICAL SPECIFICATIONS FOR DESCRIPTION OF LOADS AND LOAD COMBINATIONS.
  - B. GANGWAYS
    - 1. UNIFORM LOAD 50 PSF
    - 2. WIND LOADS
      - A. 110 MPH SUSTAINED WIND WITH NO VESSELS IN PLACE.
      - B. 40 MPH SUSTAINED WIND WITH VESSELS IN PLACE.

DEMOLITION

- 1. DEBRIS FROM DEMOLITION AND ITEMS INDICATED TO BE REMOVED SHALL BE REMOVED FROM PINELLAS COUNTY PROPERTY AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ANY DEBRIS THAT ENTERS THE WATER DURING THE DEMOLITION OF THE INDICATED STRUCTURES.
- 3. THE CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO STARTING DEMOLITION. THE CONTRACTOR SHALL NOTIFY PINELLAS COUNTY OF ALL CONFLICTS WITH EXISTING UTILITIES. UTILITIES ARE NOT INDICATED AS PART OF THIS PLAN SET.
- 4. EXISTING PILES TO BE REMOVED SHALL NOT BE REUSED FOR NEW CONSTRUCTION.
- 5. ANY MATERIAL CLAIMED BY PINELLAS COUNTY'S PARKS AND RECREATION DEPARTMENT SHALL BE TRANSPORTED AND STORED AT A LOCATION DETERMINED BY PARK PERSONNEL.

TIMBER PILING

- 1. PILE TYPE AND LOCATION ARE SHOWN ON PLANS.
- 2. PILE DRIVING SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 455.
- 3. TIMBER PILING SHALL BE SOUTHERN PINE AND SHALL BE CCA PRESSURE TREATED TO 2.5 PCF. TIMBER PILING SHALL STRICTLY ABIDE BY THE REQUIREMENTS SET FORTH IN THE SECTION 953 AND 955 AT THE FDOT STANDARD SPECIFICATIONS.
- 4. SEE CONSTRUCTION PLANS FOR ESTIMATED PILE TIP AND CUT OFF ELEVATIONS. TIMBER PILES ARE 12" BUTT DIAMETER, MEASURED THREE FOOT FROM THE END.

SAFETY REQUIREMENTS

THE CONTRACTOR SHALL INSTALL FDOT TYPE B TEMPORARY FENCING AS DIRECTED BY PINELLAS COUNTY CONSTRUCTION AND/OR PROJECT ENGINEER TO PREVENT PUBLIC ACCESS TO THE RAMP AND/OR RAMPS WHILE UNDER CONSTRUCTION. TEMPORARY FENCING SHALL REMAIN IN POSITION UNTIL ACCEPTED BY PINELLAS COUNTY.

UTILITIES

THE FOLLOWING IS A LIST OF UTILITY PROVIDERS THAT SERVICE THE AREA OF THIS PROJECT:

PROGRESS ENERGY  
BRIGHT HOUSE  
VERIZON (TELEPHONE)  
KNOLOGY (CABLE)  
PINELLAS COUNTY UTILITIES  
PINELLAS COUNTY PARK UTILITIES

CONCRETE AND REINFORCING STEEL

- 1. CONCRETE 28 DAY COMPRESSIVE STRENGTH (PSI)  
CLASS IV CAST IN PLACE CONCRETE 5500 PSI
- 2. REINFORCING STEEL ASTM A615, GRADE 60
- 3. PROVIDE 1/2" RADIUS FINISH ON ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.

FASTENERS

- 1. ALL BOLTS AND NUTS SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ASTM F593 AND ASTM F594.
- 2. ALL STEEL SHAPES AND PLATES INDICATED SHALL BE TYPE 316 STAINLESS STEEL.

EROSION AND DEBRIS CONTROL

- 1. TURBIDITY BARRIERS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC STANDARDS INDEX NO. 103.
- 2. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPULINS, FLOATS, STAGING AND OTHER DEVICES AS ACCESSORY AS TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER, AND AIRBORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA.
- 3. TURBIDITY BARRIERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESS TO THE OPEN FLOATING DOCK BY THE PUBLIC.


FLOATING DOCKS

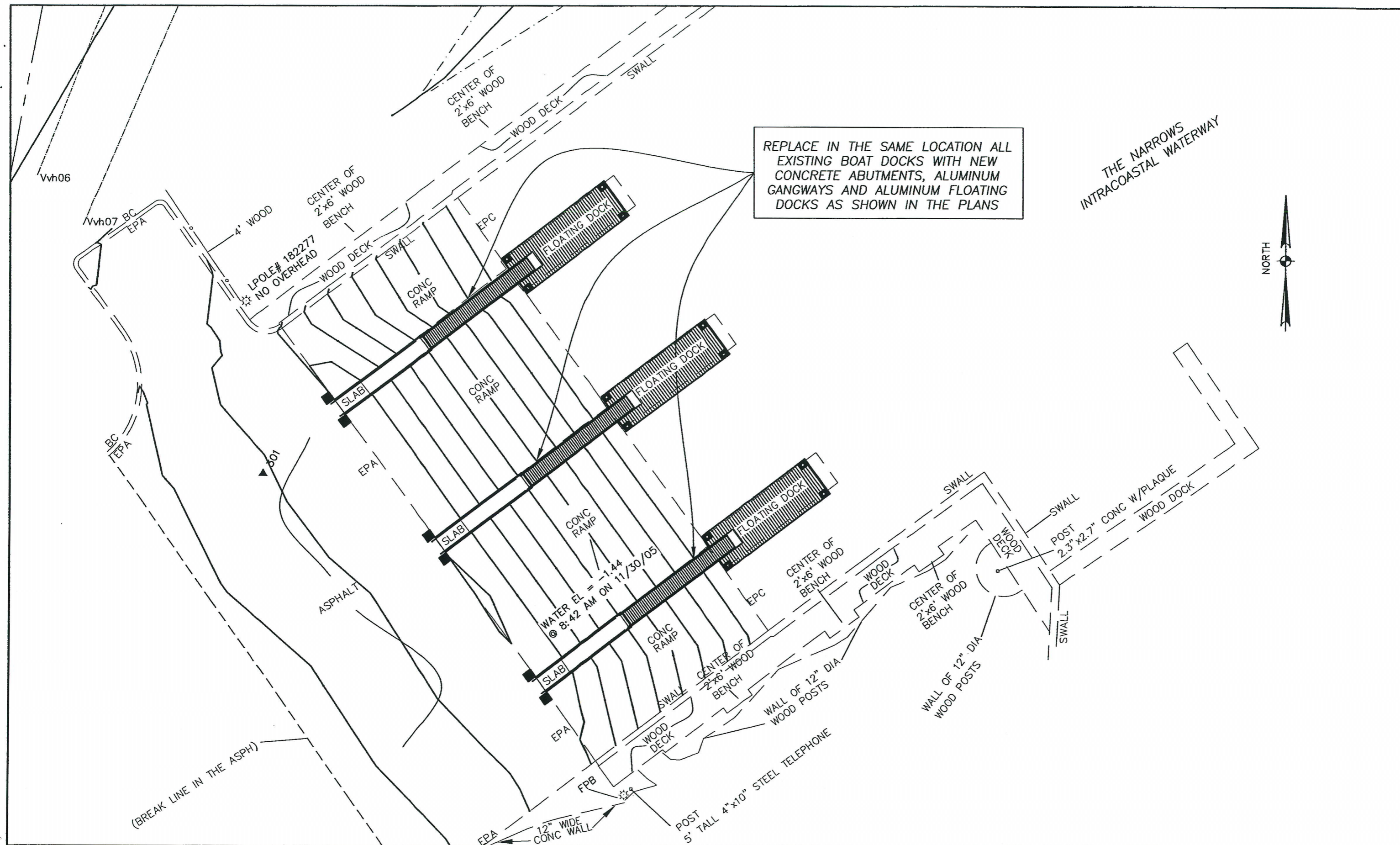
- 1. FLOATING DOCK CONSTRUCTION SHALL BE ALUMINUM.
- 2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON DOCKS AND GANGWAYS.
- 3. SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR FLOATING DOCKS AND GANGWAYS FOR APPROVAL, PRIOR TO FABRICATION OF THESE COMPONENTS.

INSTALLATION OF ANCHOR BOLTS

THE CONTRACTOR SHALL HAVE THE OPTION (EXCEPT AS NOTED) OF CASTING ANCHOR BOLTS INTO THE CONCRETE ELEMENT OR DRILLING AND GROUTING AS FOLLOWS :

- 1. ANCHOR BOLTS FOR THE HANDRAIL SHALL BE INSTALLED BY THE CAST IN PLACE METHOD OR DRILLED/GROUTED.
- 2. ANCHOR BOLT EMBEDMENT AND HOLE DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
- 3. USE OF A CARBIDE-TIP DRILL. PERCUSSION ROCK DRILLS WILL NOT BE PERMITTED.
- 4. PREPARE A TEMPLATE AND DRILL REQUIRED HOLES.
- 5. FOLLOW EPOXY MANUFACTURERS RECOMMENDATIONS FOR THE INSTALLATION OF THE ANCHOR BOLTS.
- 6. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR THE MIXING AND APPLICATION OF EPOXY.
- 7. SUBMIT MANUFACTURERS DATA SHEET AND RECOMMENDATIONS FOR APPROVAL.
- 8. ALL PRODUCTS SHALL BE SELECTED FROM FDOT'S PREQUALIFIED PRODUCTS LIST.

REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040		BOAT DOCK FACILITY UPGRADES 2006	GENERAL NOTES	PINELLAS COUNTY, FLORIDA Department of Public Works  ENGINEERING DEPARTMENT 440 COURT STREET CLEARWATER, FLORIDA 33756-5136 PHONE (727) 464-3261	 HASSAN R. SHAFEE FLORIDA PROFESSIONAL ENGINEER NO. 57581  6/19/06 DATE	DATE: APRIL 2006	
			SURVEY DIVISION	BY DATE					PROJECT I.D. 1361	
			SURVEYED	B.E. 11/05					SURVEY FILE NO.: str 1353/1524	
			TECHNICIAN	D.M.C. 02/06					SHEET: 02 of 09	
			CHECKED	S.Z. 02/06						
			DESIGN DIVISION							
			DESIGNED	J.M.L. 03/06						
			DRAWN	J.M.L. 03/06						
			CHECKED	H.R.S. 06/06						



REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.M.C. 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

# **BOAT DOCK FACILITY UPGRADES 2006**

## **SURVEY & LAYOUT PARK BOULEVARD BOAT RAMP PARK**

**PINELLAS COUNTY, FLORIDA**  
Department of Public Works

**ENGINEERING DEPARTMENT**  
440 COURT STREET  
CLEARWATER, FLORIDA 33756-5136  
PHONE (727) 464-3251

*Hassan R. Shafee*  
HASSAN R. SHAFEE  
FLORIDA PROFESSIONAL ENGINEER NO. 57591

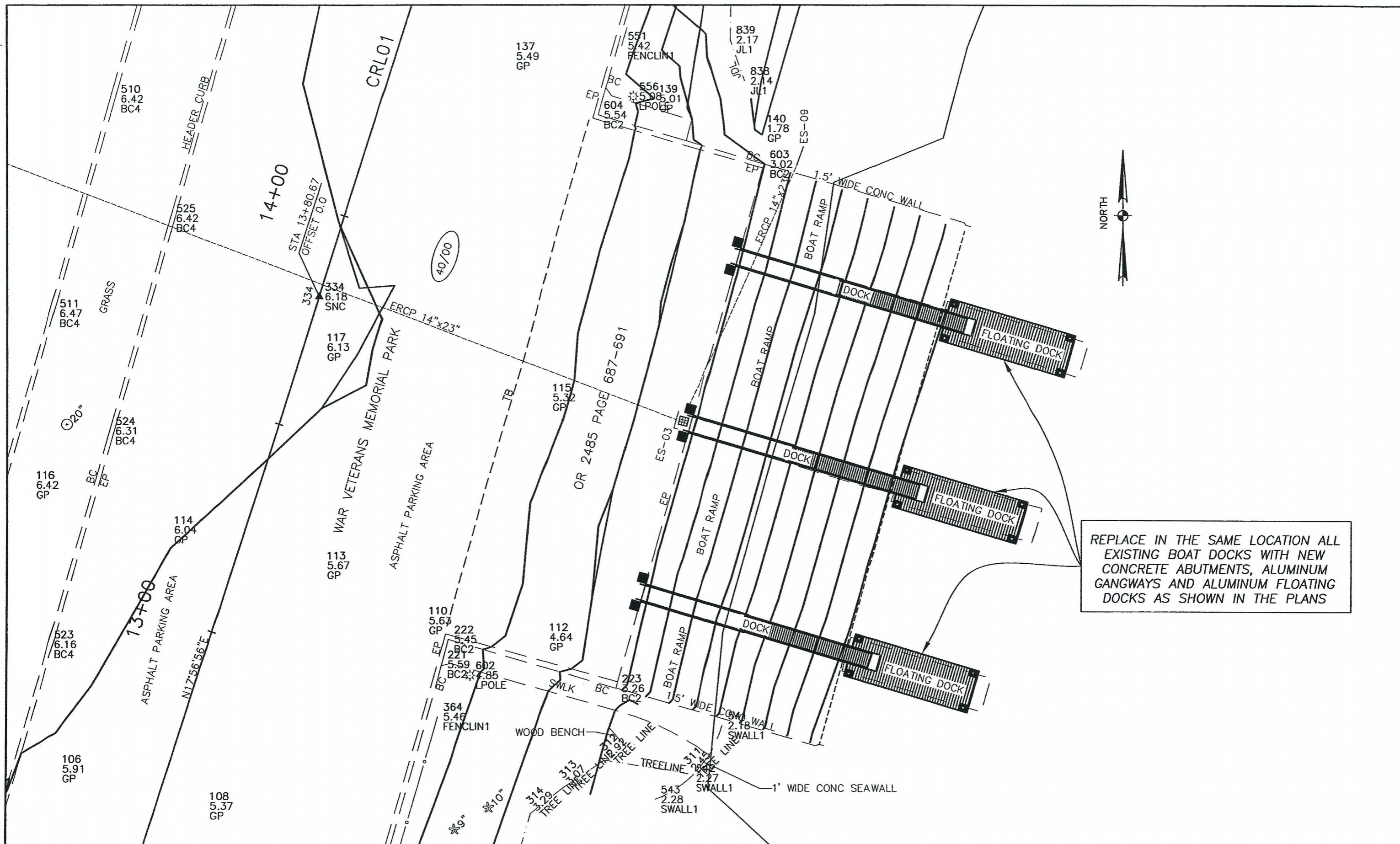
6/19/06  
DATE

DATE: APRIL 2006

PROJECT I.D. 1361

SURVEY FILE NO.: sfn 1353/1524

SHEET: 03 of 09



REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.M.C. 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

# **BOAT DOCK FACILITY UPGRADES 2006**

## **SURVEY & LAYOUT WAR VETERAN'S MEMORIAL PARK**

**PINELLAS COUNTY, FLORIDA**  
Department of Public Works

**ENGINEERING DEPARTMENT**  
440 COURT STREET  
CLEARWATER, FLORIDA 33756-5136  
PHONE (727) 464-3251

*Hassan R. Shafee*  
HASSAN R. SHAFEE  
FLORIDA PROFESSIONAL ENGINEER NO. 5751

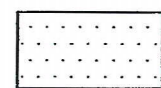
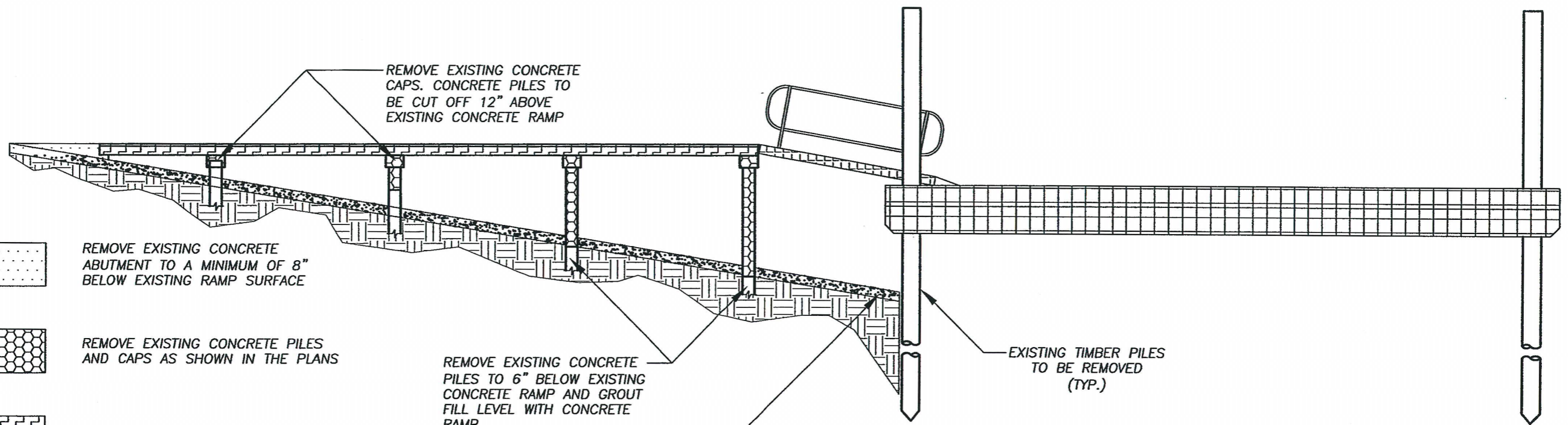
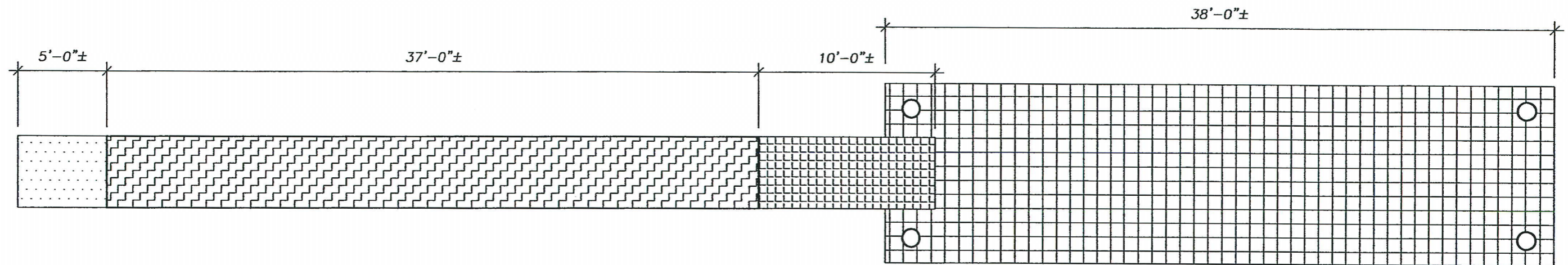
**6/14/06**  
DATE

DATE: APRIL 2006

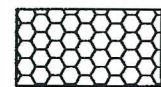
PROJECT I.D. 1361

SURVEY FILE NO.: sfn 1353/1524

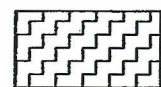
SHEET: 04 of 09



REMOVE EXISTING CONCRETE  
ABUTMENT TO A MINIMUM OF 8"  
BELOW EXISTING RAMP SURFACE



REMOVE EXISTING CONCRETE PILES  
AND CAPS AS SHOWN IN THE PLANS



REMOVE EXISTING WOODEN DOCKS



EXISTING FLOATING DOCKS SHALL BE  
REMOVED AND DISPOSED OF BY THE  
CONTRACTOR (UNLESS CLAIMED BY THE  
PARKS DEPT.)



REMOVE EXISTING GANGWAYS (WAR  
VETERANS' MEMORIAL PARK ALUMINUM  
GANGWAYS SHALL BE DELIVERED TO PARKS  
DEPT.)

REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.McD. 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

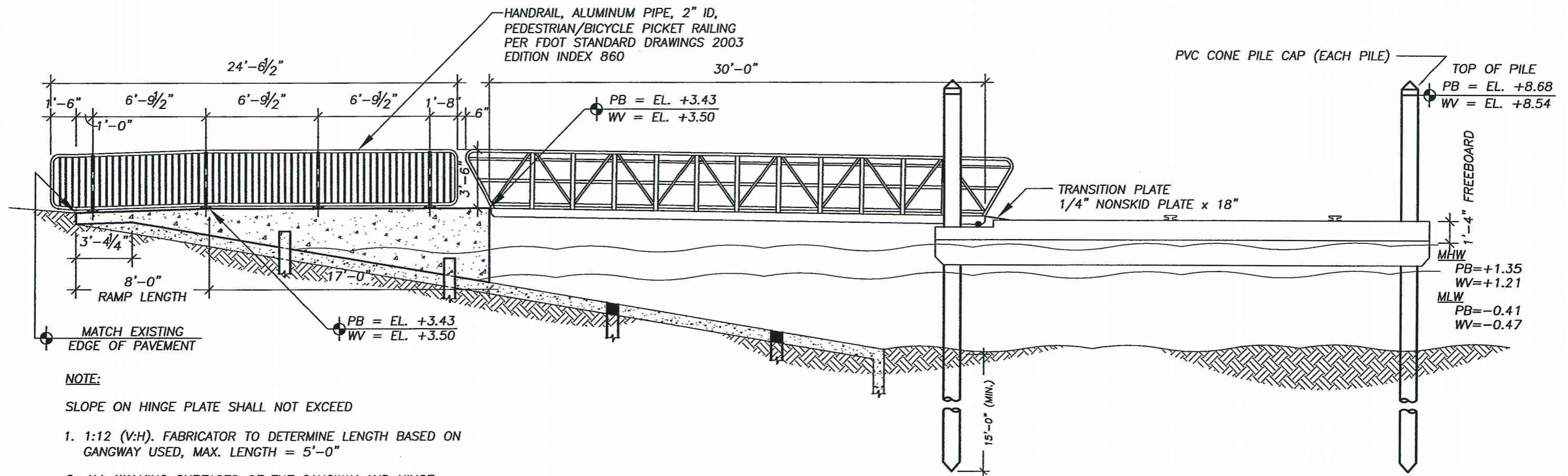
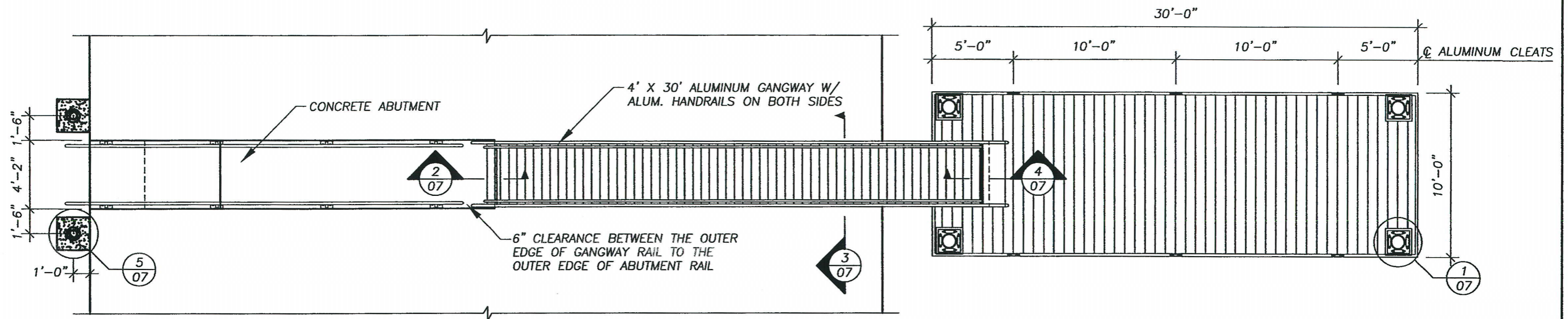
**BOAT DOCK FACILITY  
UPGRADES 2006**

**DEMOLITION PLAN  
PARK BLVD. & WAR VETS'  
PARKS**

**PINELLAS COUNTY, FLORIDA**  
Department of Public Works  
**ENGINEERING DEPARTMENT**  
440 COURT STREET  
CLEARWATER, FLORIDA 33756-5136  
PHONE (727) 464-3251

*Hassan R. Shafiee*  
HASSAN R. SHAFIEE  
FLORIDA PROFESSIONAL ENGINEER NO. 57591  
*6/19/06*  
DATE

DATE: APRIL 2006  
PROJECT I.D. 1361  
SURVEY FILE NO.: stn 1353/1524  
SHEET: 05 of 09



**NOTE:**

SLOPE ON HINGE PLATE SHALL NOT EXCEED

- 1:12 (V:H). FABRICATOR TO DETERMINE LENGTH BASED ON GANGWAY USED, MAX. LENGTH = 5'-0"
- ALL WALKING SURFACES OF THE GANGWAY AND HINGE PLATES SHALL BE "NONSKID". NONSKID TAPES ARE PROHIBITED.
- SHOP DRAWING SHALL BE PREPARED AND SUBMITTED FOR REVIEW, AS REQUIRED IN PLANS AND SPECIFICATIONS.
- BALLARD NOT SHOWN FOR CLARITY.

REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.M.C. 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

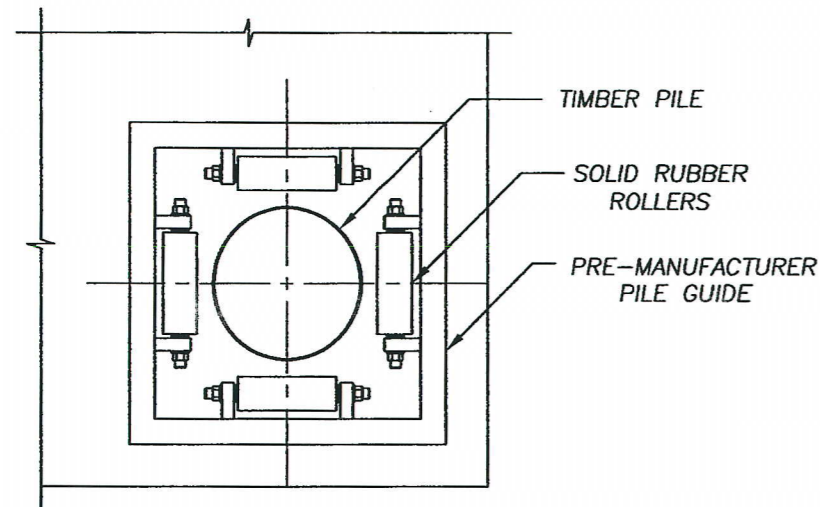
**BOAT DOCK FACILITY  
UPGRADES 2006**

**PROPOSED BOAT DOCK  
PARK BLVD. & WAR VETS'  
PARKS**

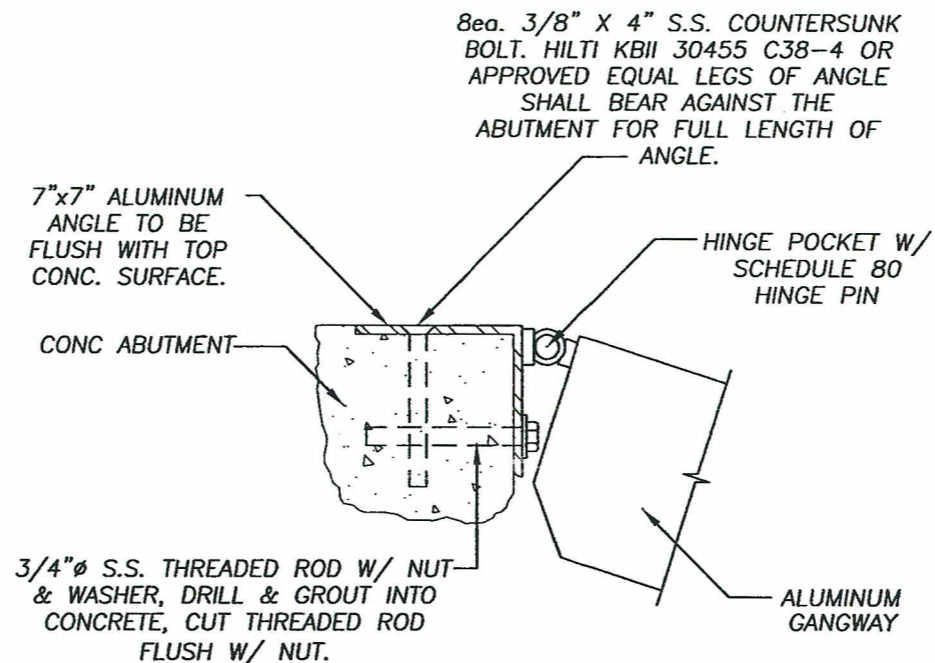
**PINELLAS COUNTY, FLORIDA**  
Department of Public Works  
**ENGINEERING DEPARTMENT**  
440 COURT STREET  
CLEARWATER, FLORIDA 33756-5136  
PHONE (727) 484-3251

*Hassan R. Shafee*  
HASSAN R. SHAFEE  
FLORIDA PROFESSIONAL ENGINEER NO. 57581  
6/19/06  
DATE

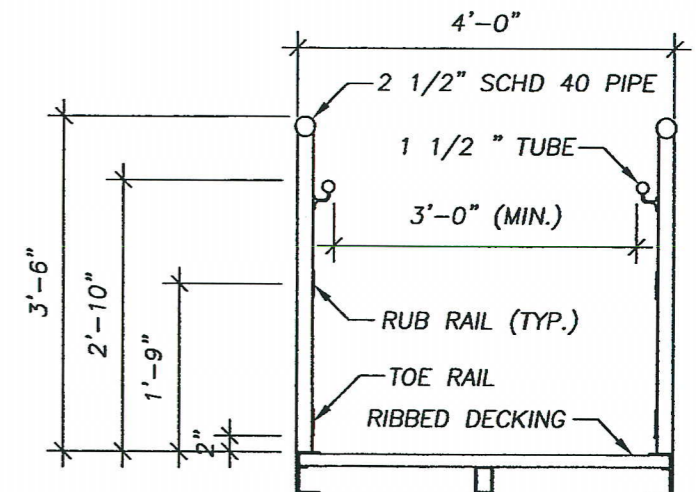
DATE: APRIL 2006  
PROJECT I.D. 1361  
SURVEY FILE NO.: sfn 1353/1524  
SHEET: 06 of 09



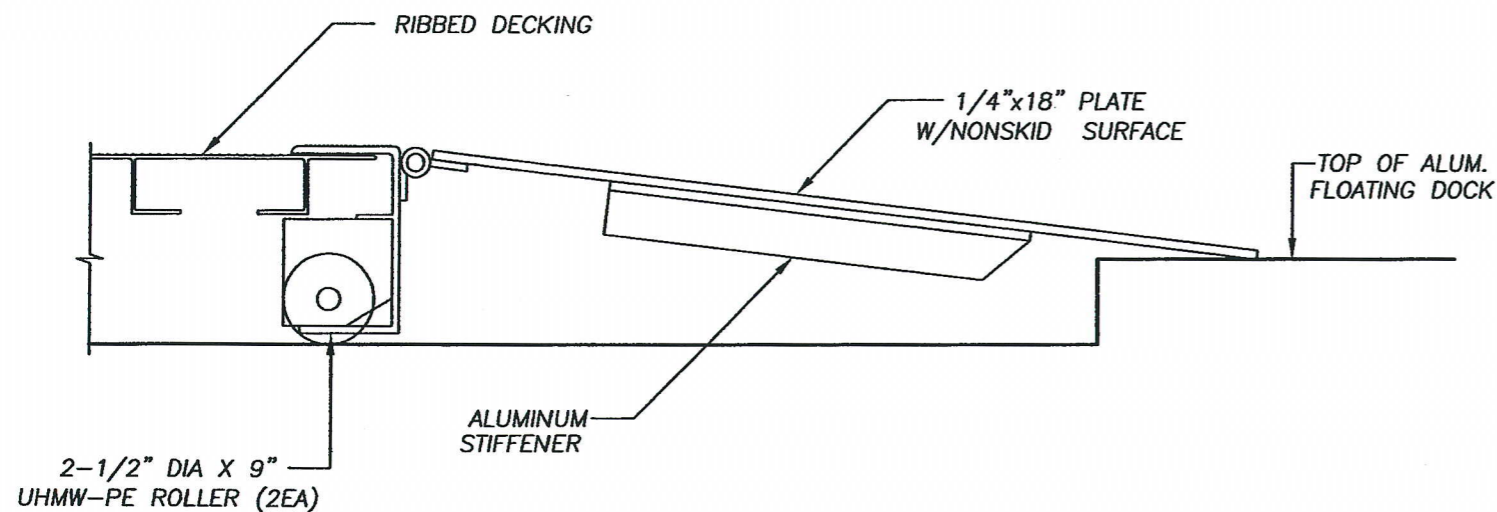
1  
07 TYPICAL PILE GUIDE DETAIL  
N.T.S.



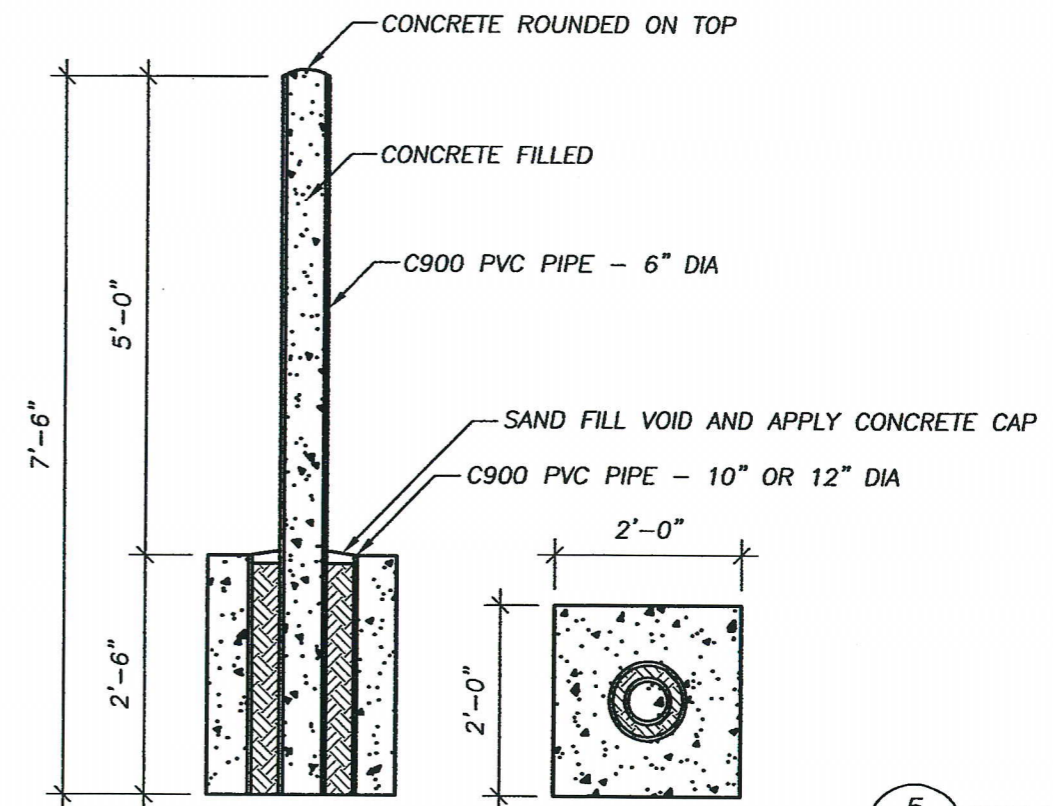
2  
07 HINGE DETAIL  
N.T.S.



3  
07 GANGWAY SECTION  
N.T.S.



4  
07 HINGE PLATE SECTION  
N.T.S.



5  
07 BALLARD DETAILS  
N.T.S.

REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.McD 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

### BOAT DOCK FACILITY UPGRADES 2006

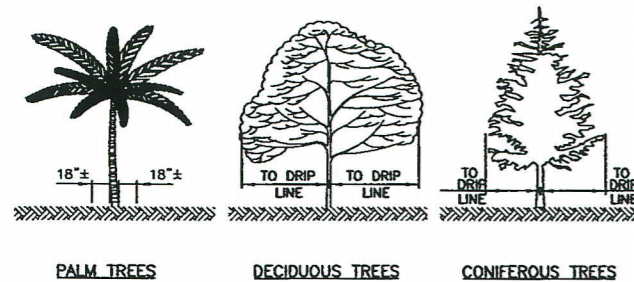
### PROPOSED BOAT DOCK SECTIONS & DETAILS

PINELLAS COUNTY, FLORIDA  
Department of Public Works  
ENGINEERING DEPARTMENT  
440 COURT STREET  
CLEARWATER, FLORIDA 33758-5136  
PHONE (727) 484-3251

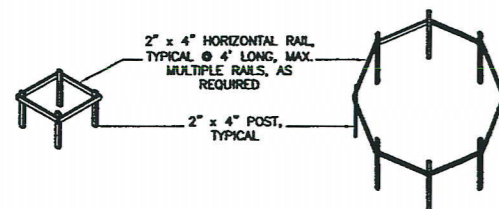
*Hassan R. Shafee*  
HASSAN R. SHAFEE  
FLORIDA PROFESSIONAL ENGINEER NO. 57591  
DATE 6/19/06

DATE: APRIL 2006  
PROJECT I.D. 1361  
SURVEY FILE NO.: stn 1353/1524  
SHEET: 07 of 09





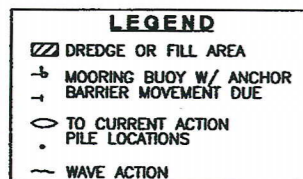
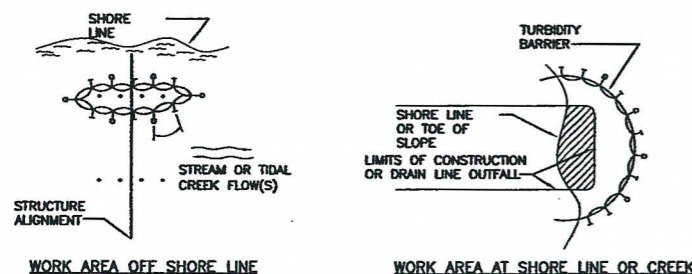
PALM TREES DECIDUOUS TREES CONIFEROUS TREES



PALMS AND SMALL TREES LARGE TREES AND BUSHES

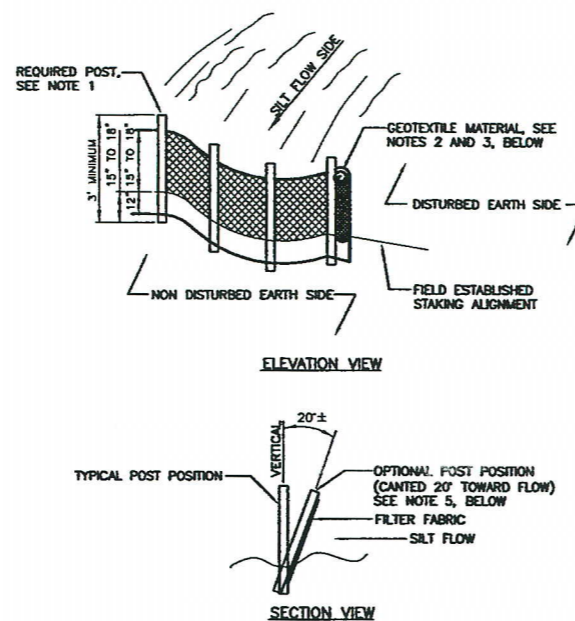
- NOTES:
1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS, ONLY HAND LABOR ALLOWED.
  2. NO CONSTRUCTION MATERIALS, SOILS DEPOSITS, OR SOLVENTS SHALL BE ALLOWED WITHIN BARRIERS.
  3. BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN TREE AREA.
  4. BARRIERS ARE TO STAY IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT IS REMOVED FROM THE AREA.

TREE PROTECTION BARRIERS DETAIL  
N.T.S.



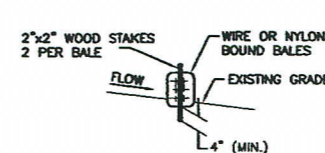
- NOTES:
1. CURTAIN TO REACH THE BOTTOM UP TO DEPTHS OF 10', 2 PANELS ARE TO BE USED FOR DEPTHS GREATER THAN 10' UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY ARE CALLED FOR IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
  2. COMPONENTS OF TYPES I AND TYPES II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND/OR TYPE II SHALL BE AS APPROVED BY THE ENGINEER.
  3. TURBIDITY BARRIERS SHALL BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
  4. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
  5. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
  6. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION ACTIVITIES.
  7. FOR ADDITIONAL INFORMATION, SEE SECTION 104 OF THE STANDARD FDOT SPECIFICATIONS.

FLOATING TURBIDITY BARRIER DETAIL

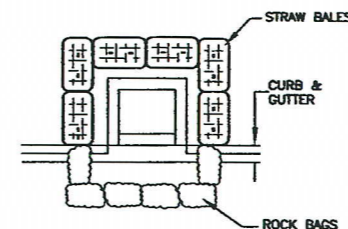


- NOTES:
1. POST: 2" x 2" WOOD, P.T. OR 2-1/2" # STEEL AT 6'-0" CENTERS MAXIMUM.
  2. GEOTEXTILE: GRAB TENSILE AT 90 LBS., TRAPEZOIDAL TEAR AT 35 LBS., MULLEN BURST AT 180 PSI.
  3. GEOTEXTILE MATERIAL SHALL BE BURIED IN THE GROUND A MINIMUM OF 12" AND BACK FILLED.
  4. ALSO SEE FDOT INDEX 199, "GEOTEXTILE CRITERIA", EROSION CLASS.
  5. OPTIONAL POST POSITION REQUIRED WHEN SLOPE IS GREATER THAN 1:2.

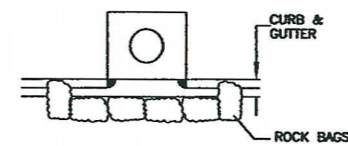
STAKED SILT BARRIER DETAIL  
N.T.S.



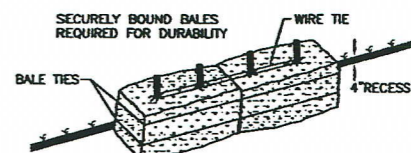
SECTION



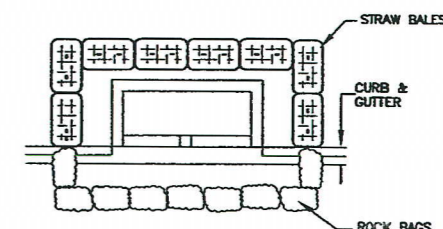
PARTIALLY COMPLETED INLET  
(TYPE I)



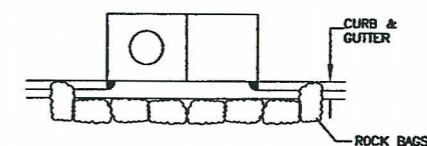
COMPLETED INLET  
(TYPE I)



ANCHORING BALES



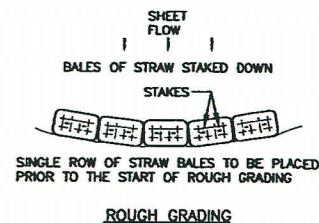
PARTIALLY COMPLETED INLET  
(TYPE II)



COMPLETED INLET  
(TYPE II)

BALED HAY OR STRAW BARRIERS

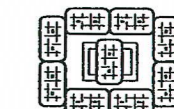
N.T.S.



ROUGH GRADING



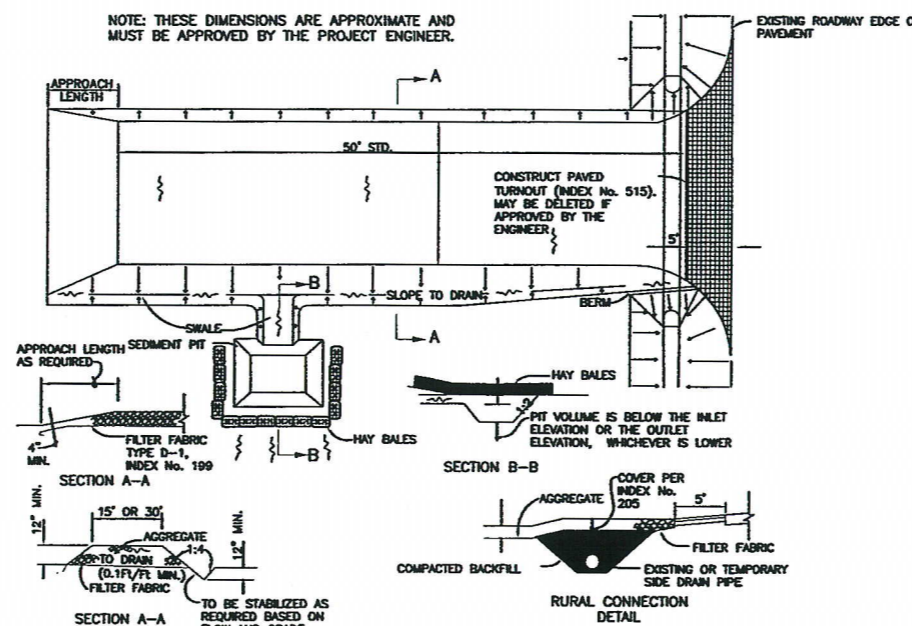
ELEVATION



DITCH BOTTOM INLET

# SOIL TRACKING PREVENTION DEVICE NOTES

1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the Engineer for points of egress from unstabilized areas of the project to public roads where off site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed through a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
2. The contractor may propose an alternative technique to minimize off site tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
3. All materials spilled, dropped or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
4. Aggregated shall be described in section 901 excluding 901-2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are not suitable.
5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:  
15'x50'=100 ft.<sup>3</sup> 30'x50'=200 ft.<sup>3</sup>  
as an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, hay bales or silt fence shall be placed along the entire length.
6. The swale ditch draining the STPD shall have a 0.2% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
7. Mitered end sections are not required when the side drain pipe satisfies the clear zone requirements.
8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent offset tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward through the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit mud tracked.
9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD: including but not limited to excavation, grading, temporary pipe (including M.E.S. when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Hay bales shall be paid for under the contract unit price for Hay or Straw Baled, EA. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
10. The nominal size of a standard STPD is 15'x50' unless otherwise shown in the plans. If the volume of entering and exiting vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.



SOIL TRACKING PREVENTION DEVICE  
TYPE A

REVISIONS	BY	DATE	SURVEY BOOK No.: 3040-1 & 3040
			SURVEY DIVISION BY DATE
			SURVEYED B.E. 11/05
			TECHNICIAN D.M.C. 02/06
			CHECKED S.Z. 02/06
			DESIGN DIVISION
			DESIGNED J.M.L. 03/06
			DRAWN J.M.L. 03/06
			CHECKED H.R.S. 06/06

BOAT DOCK FACILITY  
UPGRADES 2006

EROSION CONTROL DETAILS

PINELLAS COUNTY, FLORIDA  
Department of Public Works  
ENGINEERING DEPARTMENT  
440 COURT STREET  
CLEARWATER, FLORIDA 33759-5138  
PHONE (727) 484-3251

HASSAN R. SHAFEE  
FLORIDA PROFESSIONAL ENGINEER NO. 57591  
6/19/06  
DATE

DATE: APRIL 2006  
PROJECT I.D. 1361  
SURVEY FILE NO.: sfn 1353/1524  
SHEET: 09 of 09

## **COMMENCEMENT NOTIFICATION**

*Within ten (10) days of initiating the authorized work, submit this form to via electronic mail to [saj-rd-enforcement@usace.army.mil](mailto:saj-rd-enforcement@usace.army.mil) (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

**1. Department of the Army Permit Number:** SAJ-2025-01066(NWP-JLA)

**2. Permittee Information:**

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**3. Construction Start Date:** \_\_\_\_\_

**4. Contact to Schedule Inspection:**

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Printed Name of Permittee

\_\_\_\_\_  
Date

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at [ImperiledSpecies@myFWC.com](mailto:ImperiledSpecies@myFWC.com)
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at [MyFWC.com/manatee](http://MyFWC.com/manatee). Questions concerning these signs can be sent to the email address listed above.

# CAUTION: MANATEE HABITAT

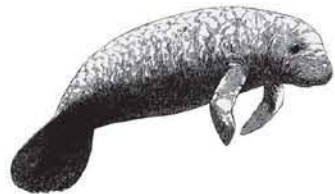
**All project vessels**

**IDLE SPEED / NO WAKE**

When a manatee is within 50 feet of work  
all in-water activities must

**SHUT DOWN**

Report any collision with or injury to a manatee:



**Wildlife Alert:**

**1-888-404-FWCC(3922)**

cell \*FWC or #FWC