



Florida Department of Environmental Protection

Northeast District Office
7825 Baymeadows Way, Suite 200B
Jacksonville, Florida 32256-7590

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Voice: 904-807-3300 Fax: 904-448-4366

SUBMERGED LANDS AND ENVIRONMENTAL RESOURCES PROGRAM

May 29, 2008

Horseshoe Cove Channel
c/o James McAdams
Department of the Army
Post Office Box 4970
Jacksonville, Florida 32232-0019

DEP File No.: 15-163891-002-EE

Dear Sir:

Thank you for your request to the Department for authorization to maintenance dredge the Horseshoe Cove navigational channel. The project was originally permitted in 1993 under Wetland Resource Management Permit No. 152332759. The permit expired in 1998. The applicant (USACOE) received a maintenance dredge exemption verification in 2000. The proposed maintenance dredge project is located in the Gulf of Mexico, south of the town of Horseshoe Beach, within the boundaries of the Big Bend Seagrass Aquatic Preserve, Outstanding Florida Waters, Class II Waters, conditionally approved and prohibited shellfish harvesting areas, Dixie County. This type of activity requires authorization for construction and operation of the project (regulatory authorization), authorization to use state-owned submerged lands (proprietary authorization), and federal authorization for works in waters of the United States through the State Programmatic General Permit (SPGP) program. Your request has been reviewed for all three authorizations. The authorizations you have been granted are listed below. Please read each section carefully. Your project **may not** have qualified for all three authorizations. If your project did not qualify for one or more of the authorizations that specific section will advise you how to obtain it. You may **NOT** commence your project without all three authorizations. If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

REGULATORY AUTHORIZATION - EXEMPTION VERIFIED

Your project is exempt from the need for an Environmental Resource Permit (ERP). This determination is based solely on the information provided the Department and the statutes and rules in effect when the application was submitted and is effective only for the specified activity. This determination shall automatically expire if site conditions materially change or the governing statutes or rules are amended. In addition, any substantial modifications in your plans should be submitted to the Department for review, as changes may result in a permit being required. In any event, this determination shall expire after one year. You must comply with the attached criteria and limiting conditions in accordance with Section 403.813(2)(f), Florida Administrative Code.

Authority for review - Part IV of Chapter 373, F.S., Title 62, F.A.C. and in accordance to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C.

PROPRIETARY REVIEW - AUTHORIZATION GRANTED

Your project occurs on state-owned, submerged land and will require authorization from the Department to use these lands for private purposes. The Department has reviewed your project as described above and on the attached documents and/or drawings, and as long as the work performed is located within the boundaries as described and is consistent with the terms and conditions therein, we find your project qualifies for a consent to use state-owned submerged lands. **As such, consider this letter to also constitute authorization to perform the activity. This consent is conditioned upon acceptance of and compliance with the attached General Consent Conditions.**

Authority for review - Chapter 253 and Chapter 258, F.S., and Chapter 18-21, F.A.C., and Chapter 18-20, F.A.C. if located in an aquatic preserve, and Section 62-343.075 as required.

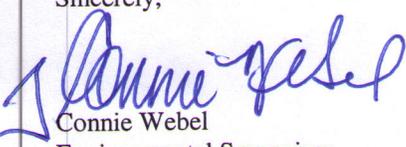
SPGP - REVIEW - AUTHORIZATION NOT GRANTED

Your project has been reviewed for compliance with a State Programmatic General Permit (SPGP). Your proposed activity as outlined on the attached drawings does **NOT meet the criteria for compliance with the U.S. Army Corps of Engineers (Corps) State Programmatic General Permit (SPGP)**. A copy of your notice has been sent to the U. S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit **Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency**. For further information, you should contact the USACOE at 904-232-1661.

Authority for review - an agreement with the U.S. Army Corps of Engineers entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection State Programmatic General Permit, Section 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act".

If you have any questions, please contact me at 904-807-3376 or via my Internet E-mail address at Connie.webel@dep.state.fl.us. When referring to your project please use the DEP File number listed above.

Sincerely,



Connie Webel
Environmental Supervisor

CW/lb

Enclosures Exemption Criteria and Limiting Conditions 403.813(2)(f)
Lease/Easement Information Package as Applicable
USACOE Specific Condition as Applicable
General Consent of Use Conditions as Applicable

COPY USACOE, Jacksonville
Big Bend Seagrasses Aquatic Preserve

NOTICE OF RIGHTS OF SUBSTANTIALLY AFFECTED PERSONS

Be advised that your neighbors and other parties who may be substantially affected by the proposed activity allowed under this determination have a right to request an administrative hearing (or mediation, if available) on the Department's decision that the proposed activity qualifies for an exemption. If an administrative hearing (or mediation, if available) is timely requested by a substantially affected person, the finding that the proposed activity qualifies for this [exemption][notice general permit] must be reconsidered, and it is possible that the hearing or mediation could result in a determination that the proposed activity does *not* qualify for the [exemption] [noticed general permit]. Under rule 28-106.111 of the Florida Administrative Code, a request for such an administrative hearing (or mediation, if available) must be filed with the Department's Clerk in the Office of General Counsel within 21 days of either: (a) publication of notice in a newspaper of general circulation in the county where the activity is to take place; or (b) the substantially affected person's receipt of written notice which includes the information contained in Attachment (A).

The Department will not publish notice of this determination. *Publication of this notice by you is optional and not required for you to proceed.* However, in the event that an administrative hearing is held and the Department's determination is reversed, proceeding with the proposed activity before the time period for requesting an administrative hearing has expired would mean that the activity was conducted without the required permits.

If you wish to limit the time within which *all* substantially affected persons may request an administrative hearing (or mediation, if available), you may elect to publish, at your own expense, the enclosed notice (Attachment A) one time only in the legal advertisement section of a newspaper of general circulation in the county where the activity is to take place.

If you wish to limit the time within which any *specific* person(s) may request an administrative hearing (or mediation, if available), you may provide such person(s), by certified mail, a copy of this determination, including Attachment A.

For the purposes of publication, a newspaper of general circulation means a newspaper meeting the requirements of sections 50.011 and 50.031 of the Florida Statutes. In the event you do publish this notice, within seven days of publication, you must provide to the following address a certification or affidavit of publication issued by the newspaper. If you provide direct written notice to any person as noted above, you must provide to the following address a copy of the direct written notice.

Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way, Suite B-200
Jacksonville, Florida 32256-7590

NOTICE OF DETERMINATION OF QUALIFICATION

In the Matter of an Application
for a Determination of Qualification for an Exemption
by: Horseshoe Cove Channel
c/o James McAdams
Department of the Army
Post Office Box 4970
Jacksonville, Florida 32232-0019

DEP File No.15-163891-002-EE, County of Dixie

The Department of Environmental Protection gives notice that it has determined that the project to to maintenance dredge the Horseshoe Cove navigational channel. The project was originally permitted in 1993 under Wetland Resource Management Permit No. 152332759. The permit expired in 1998. The applicant (USACOE) received a maintenance dredge exemption verification in 2000. The proposed maintenance dredge project is located in the Gulf of Mexico, south of the town of Horseshoe Beach, within the boundaries of the Big Bend Seagrass Aquatic Preserve, Outstanding Florida Waters, Class II Waters, conditionally approved and prohibited shellfish harvesting areas, Dixie County by Horseshoe Cove qualifies for the exemption established under statute Chapter 373 and Rule 403.813(2)(f), Florida Administrative Code.

The Department's determination shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes. The time and procedure for petitioning for a hearing are set forth below. Upon the timely filing of a petition, this determination will not be effective until further order of the Department.

A person whose substantial interests are affected by the Department's decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petitioner shall also mail a copy of the petition to the applicant at the address indicated above at the time of filing.

Petitions must be filed within 21 days of publication or receipt of this written notice, except that a petition by any person entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of receipt of the written notice. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the Department file identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to re-determine the Department's determination, the filing of a petition means that the Department's final determination may be different from the determination stated in this notice. Persons whose substantial interests may be affected by any change in the Department's determination have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573 of the Florida Statutes **is not available** for this proceeding.

403.813 Permits issued at district centers; exceptions.--

(2) A permit is not required under this chapter, chapter 373, chapter 61-691, Laws of Florida, or chapter 25214 or chapter 25270, 1949, Laws of Florida, for activities associated with the following types of projects; however, except as otherwise provided in this subsection, nothing in this subsection relieves an applicant from any requirement to obtain permission to use or occupy lands owned by the Board of Trustees of the Internal Improvement Trust Fund or any water management district in its governmental or proprietary capacity or from complying with applicable local pollution control programs authorized under this chapter or other requirements of county and municipal governments:

(f) The performance of maintenance dredging of existing manmade canals, channels, intake and discharge structures, and previously dredged portions of natural water bodies within drainage rights-of-way or drainage easements which have been recorded in the public records of the county, where the spoil material is to be removed and deposited on a self-contained, upland spoil site which will prevent the escape of the spoil material into the waters of the state, provided that no more dredging is to be performed than is necessary to restore the canals, channels, and intake and discharge structures, and previously dredged portions of natural water bodies, to original design specifications or configurations, provided that the work is conducted in compliance with s. 370.12(2)(d), provided that no significant impacts occur to previously undisturbed natural areas, and provided that control devices and best management practices for erosion and sediment control are utilized to prevent bank erosion and scouring and to prevent turbidity, dredged material, and toxic or deleterious substances from discharging into adjacent waters during maintenance dredging. Further, for maintenance dredging of previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements, an entity that seeks an exemption must notify the department or water management district, as applicable, at least 30 days prior to dredging and provide documentation of original design specifications or configurations where such exist. This exemption applies to all canals and previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements constructed prior to April 3, 1970, and to those canals and previously dredged portions of natural water bodies constructed on or after April 3, 1970, pursuant to all necessary state permits. This exemption does not apply to the removal of a natural or manmade barrier separating a canal or canal system from adjacent waters. When no previous permit has been issued by the Board of Trustees of the Internal Improvement Trust Fund or the United States Army Corps of Engineers for construction or maintenance dredging of the existing man made canal or intake or discharge structure, such maintenance dredging shall be limited to a depth of no more than 5 feet below mean low water. The Board of Trustees of the Internal Improvement Trust Fund may fix and recover from the permittee an amount equal to the difference between the fair market value and the actual cost of the maintenance dredging for material removed during such maintenance dredging. However, no charge shall be exacted by the state for material removed during such maintenance dredging by a public port authority. The removing party may subsequently sell such material; however, proceeds from such sale that exceed the costs of maintenance dredging shall be remitted to the state and deposited in the Internal Improvement Trust Fund.

**GENERAL CONDITIONS FOR AUTHORIZATIONS
TO USE SOVEREIGN SUBMERGED LANDS**

All authorizations granted by rule or in writing under Rule 18-21.005; F.A.C., except those for aquaculture activities and geophysical testing, shall be subject to the general conditions as set forth in paragraphs (a) through (i) below. The general conditions shall be part of all authorizations under this chapter, shall be binding upon the grantee, and shall be enforceable under Chapter 253 or Chapter 258, Part II, F.S.

Chapter 18-21.004(7), F.A.C., General Conditions for Authorizations:

- (a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.
- (b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.
- (c) Authorizations may be modified, suspended or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.
- (d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.
- (e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.
- (f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.
- (g) Structures or activities shall not create a navigational hazard.
- (h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.
- (i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under paragraph 1821.004(1)(f), F.A.C., or any other applicable law.

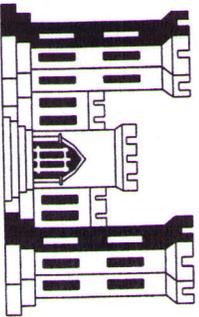
NOTICE

YOUR PROJECT DID NOT QUALIFY FOR THE STATE AND FEDERAL COMBINED STATE PROGRAMMATIC GENERAL PERMIT (SPGP) PROGRAM. THE ATTACHED AUTHORIZATION(S) DOES NOT INCLUDE THE REQUIRED FEDERAL AUTHORIZATION FOR YOU TO CONSTRUCT YOUR PROJECT. A COPY OF YOUR APPLICATION HAS BEEN SENT TO THE US ARMY CORPS OF ENGINEERS (USACOE) FOR PROCESSING. THE FEDERAL AUTHORIZATION FOR YOUR PROJECT WILL BE SENT TO YOU SEPARATELY BY THE USACOE. YOU CANNOT CONSTRUCT YOUR PROJECT WITHOUT THE APPROPRIATE FEDERAL AUTHORIZATION. THE USACOE CAN BE CONTACTED IN JACKSONVILLE AT 904-232-1679.

SAFETY ON THE JOB
DEPENDS ON YOU

HORSESHOE COVE, FLORIDA
PLANS
FOR

MAINTENANCE DREDGING
6-FOOT PROJECT
ENTRANCE CHANNEL AND TURNING BASIN



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

2001

TO ACCOUNTANT REQUEST
NO. DACM7-01R-0015

RECEIVED

FEB 15 2008

NORTHEAST DISTRICT
DEP-JACKSONVILLE

② "INCREASE PRINT - SUBMIT VECTORS"

D. O. FILE NO. 60-38,092

FILE MARK (4x5) 1000

HORSESHOE COVE, FLORIDA

PLANS FOR

MAINTENANCE DREDGING
6-FOOT PROJECT

ENTRANCE CHANNEL AND TURNING BASIN

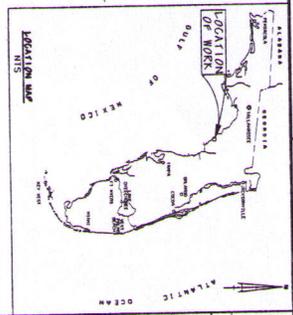
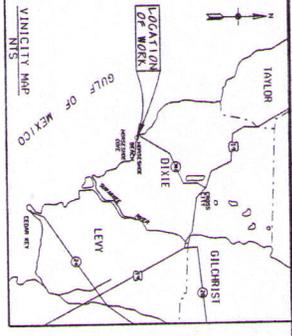
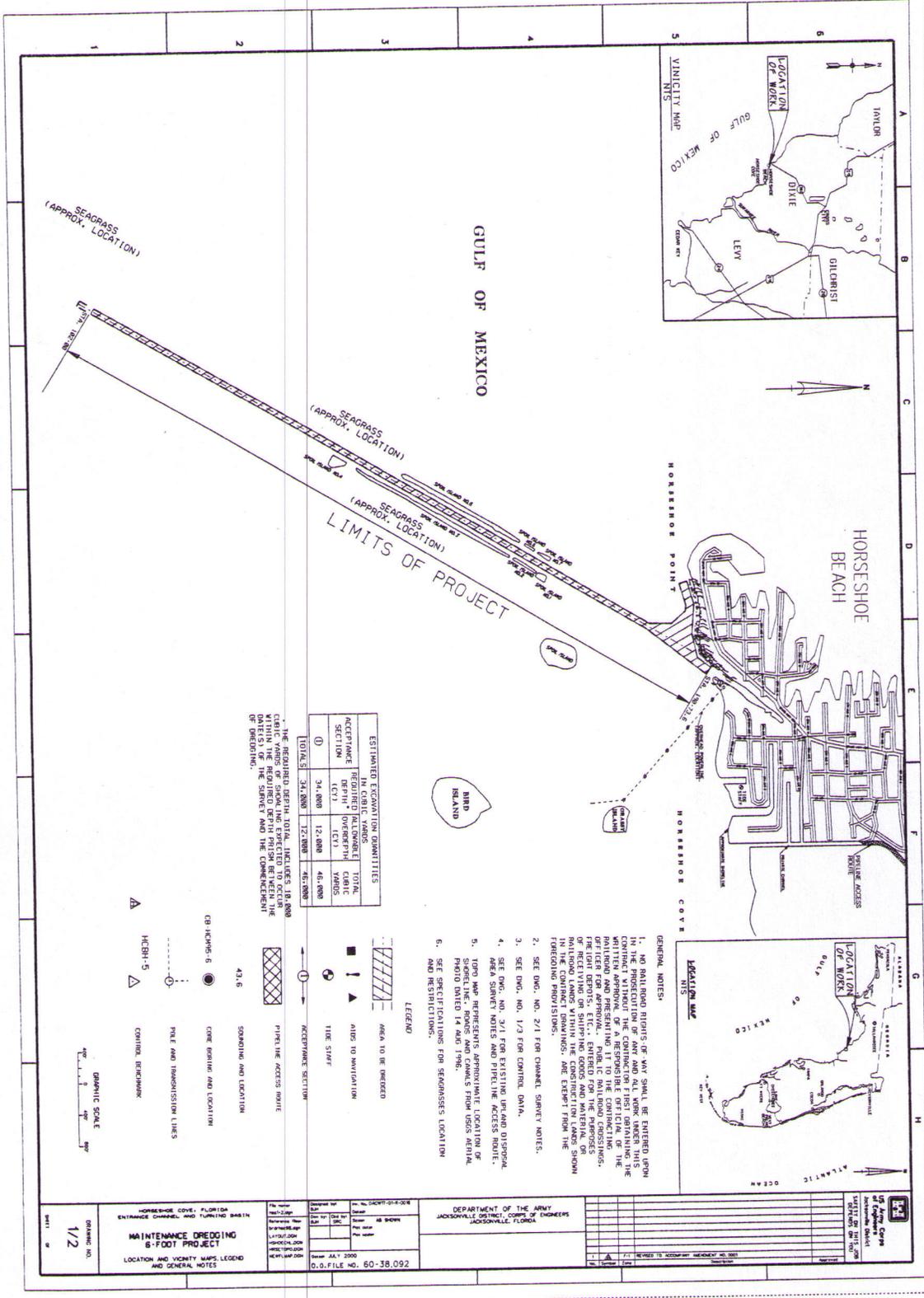
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
2001

DRG. NO.	TITLE	DRG. NO.	TITLE	DRG. NO.	TITLE
1/1	INDEX TO DRAWINGS	2/1	DREDGING PLAN	3/1	EXISTING DISPOSAL AREA
1/2	GENERAL	2/2	DREDGING PLAN	3/2	EXISTING TURNING AND EXISTING AND VICINITY MAP
1/3	GENERAL	2/3	DREDGING PLAN		
	GENERAL	2/4	DREDGING PLAN		
	GENERAL	2/5	DREDGING PLAN		
	GENERAL	2/6	DREDGING PLAN		
	GENERAL	2/7	DREDGING SECTION		

<p>Hatch Corps of Engineers District Jacksonville, Florida</p>	<p>PROJECT NO. 60-38.092</p>
	<p>DATE: JULY 2000</p>
<p>DESIGNED BY: []</p>	<p>CHECKED BY: []</p>
<p>DRAWN BY: []</p>	<p>DATE: []</p>
<p>SCALE: []</p>	<p>PROJECT TITLE: []</p>
<p>PROJECT NO. 60-38.092</p>	<p>DATE: JULY 2000</p>
<p>PROJECT TITLE: []</p>	<p>DATE: []</p>
<p>PROJECT NO. 60-38.092</p>	<p>DATE: []</p>
<p>PROJECT TITLE: []</p>	<p>DATE: []</p>

DRAWING NO.
1/1

HORSESHOE COVE, FLORIDA
ENTRANCE CHANNEL AND TURNING BASIN
MAINTENANCE DREDGING
6-FOOT PROJECT
INDEX TO DRAWINGS



ESTIMATED EXCAVATION QUANTITIES			
SECTION	IN CUBIC YARDS	REQUIRED DREDGE	TOTAL DREDGE
(1)	(2)	(3)	(4)
101.51	34,000	12,000	46,000

THE REQUIRED DREDGE TOTAL INCLUDES 18,000 CUBIC YARDS OF DREDGE TO BE REMOVED FROM THE CHANNEL WITHIN THE REQUIRED DEPTH PRISM BETWEEN THE DATES OF THE SURVEY AND THE COMMENCEMENT OF DREDGING.

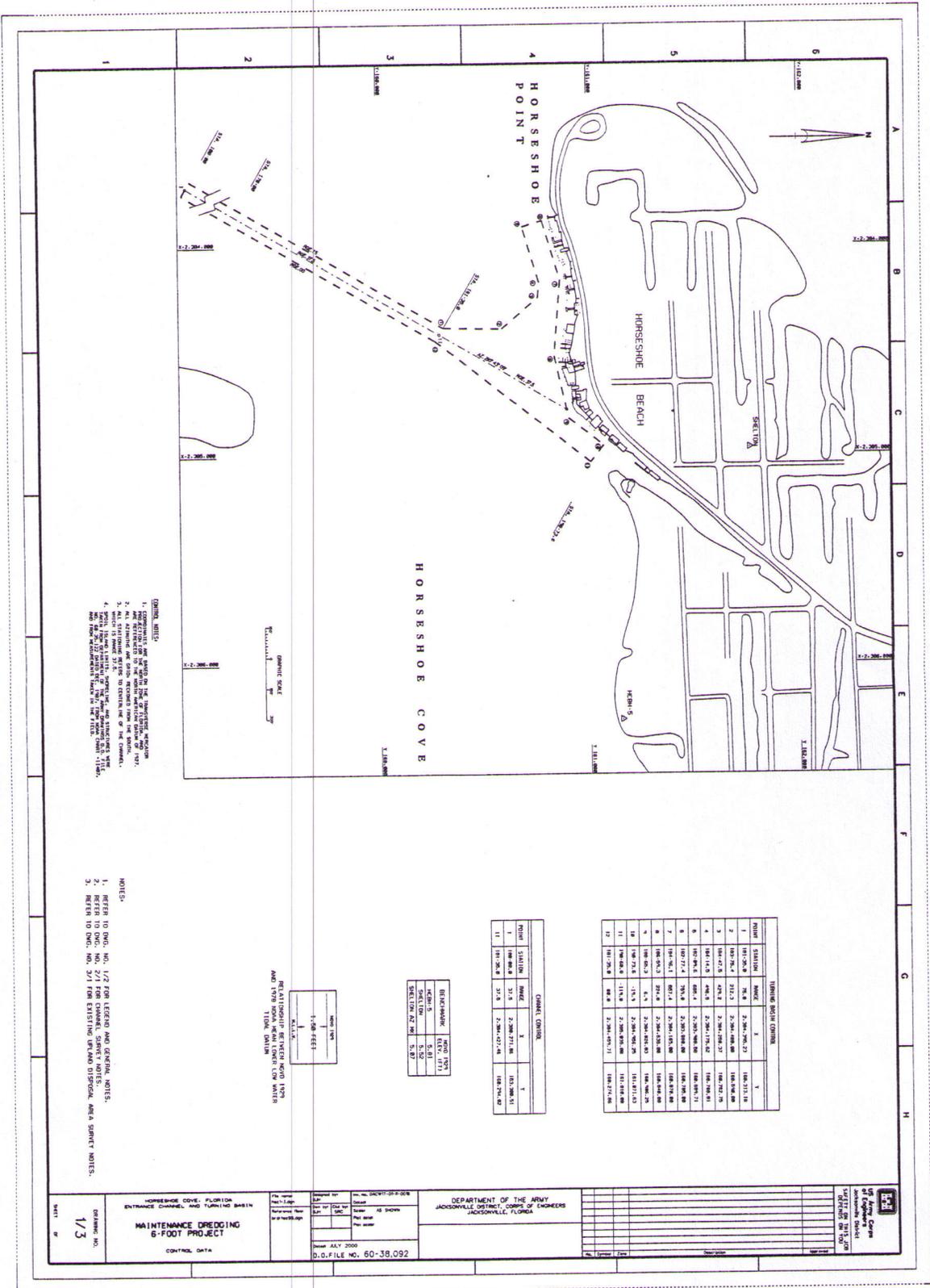
- GENERAL NOTES:**
- NO RAILROAD RIGHTS-OF-WAY SHALL BE ENTERED UPON FOR THE PURPOSES OF THIS PROJECT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND OFFICIALS.
 - SEE DMC, NO. 2/1 FOR CHANNEL SURVEY NOTES.
 - SEE DMC, NO. 1/3 FOR CONTROL DATA.
 - SEE DMC, NO. 2/1 FOR EXISTING PIPE AND DISPOSED AREAS.
 - TOP MAP REPRESENTS APPROXIMATE LOCATION OF SHORELINE, ROADS AND CANALS FROM USGS AERIAL PHOTO DATED 14 AUG 1986.
 - SEE SPECIFICATIONS FOR SEAWASSES LOCATION AND RESTRICTIONS.

LEGEND

- AREA TO BE DREDGED
- AREA TO NAVIGATION
- PIPELINE ACCESS ROUTE
- ACCEPTANCE SECTION
- PIPELINE ACCESS ROUTE
- SPREADING AND LOCATION
- CONCRETE GRATING AND LOCATION
- PALE AND TRANSMISSION LINES
- CONTROL BENCHMARK



HORSE-SHOE COVE, FLORIDA ENTRANCE CHANNEL AND TURNING BASIN MAINTENANCE DREDGING 8-FOOT PROJECT LOCATION AND VICINITY MAPS, LEGEND AND GENERAL NOTES		File No. 60-38.092 Date JUL 2000 D.O. FILE NO. 60-38.092	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT JACKSONVILLE, FLORIDA	Corps of Engineers Jacksonville District Jacksonville, Florida
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- GENERAL NOTES:**
1. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
 2. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A WIND SPEED OF 120 MPH.
 3. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A WAVE HEIGHT OF 15 FEET.
 4. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A CURRENT VELOCITY OF 3.0 FPS.
 5. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A TIDE RANGE OF 5.0 FEET.
 6. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A SOIL BEARING CAPACITY OF 2.0 TSF.
 7. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A SEISMIC DESIGN CATEGORY OF II.
 8. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN LIFE OF 50 YEARS.
 9. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN FLOOD FREQUENCY OF 100 YEARS.
 10. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.
 11. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE HEIGHT OF 15 FEET.
 12. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.
 13. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE HEIGHT OF 15 FEET.
 14. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.
 15. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE HEIGHT OF 15 FEET.
 16. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.
 17. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE HEIGHT OF 15 FEET.
 18. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.
 19. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE HEIGHT OF 15 FEET.
 20. ALL EXISTING AND PROPOSED STRUCTURES SHALL BE CONSTRUCTED TO RESIST A DESIGN WAVE PERIOD OF 10 SECONDS.

- NOTES:**
1. REFER TO DDC, NO. 1/2 FOR LEGEND AND GENERAL NOTES.
 2. REFER TO DDC, NO. 2/1 FOR CHANNEL, TURNING BASIN, AND SHOULDER NOTES.
 3. REFER TO DDC, NO. 3/1 FOR EXISTING DRAINAGE AREA AND GENERAL NOTES.

GRAPHIC SCALE
1" = 50'

RELATIONSHIP BETWEEN MOOR MARKS AND SHIP TIDAL DATUM
1.000 FEET
M.T.S.D.

BENCHMARK	MOOR MARK
BENCH 5	S. 51
BENCH 6	S. 52
BENCH 7	S. 53
BENCH 8	S. 54
BENCH 9	S. 55
BENCH 10	S. 56
BENCH 11	S. 57

POINT	ELEVATION	MARK	X	Y
1	100.00	1.0	2.000	21.00
2	100.00	2.0	2.000	21.00
3	100.00	3.0	2.000	21.00
4	100.00	4.0	2.000	21.00
5	100.00	5.0	2.000	21.00
6	100.00	6.0	2.000	21.00
7	100.00	7.0	2.000	21.00
8	100.00	8.0	2.000	21.00
9	100.00	9.0	2.000	21.00
10	100.00	10.0	2.000	21.00
11	100.00	11.0	2.000	21.00
12	100.00	12.0	2.000	21.00

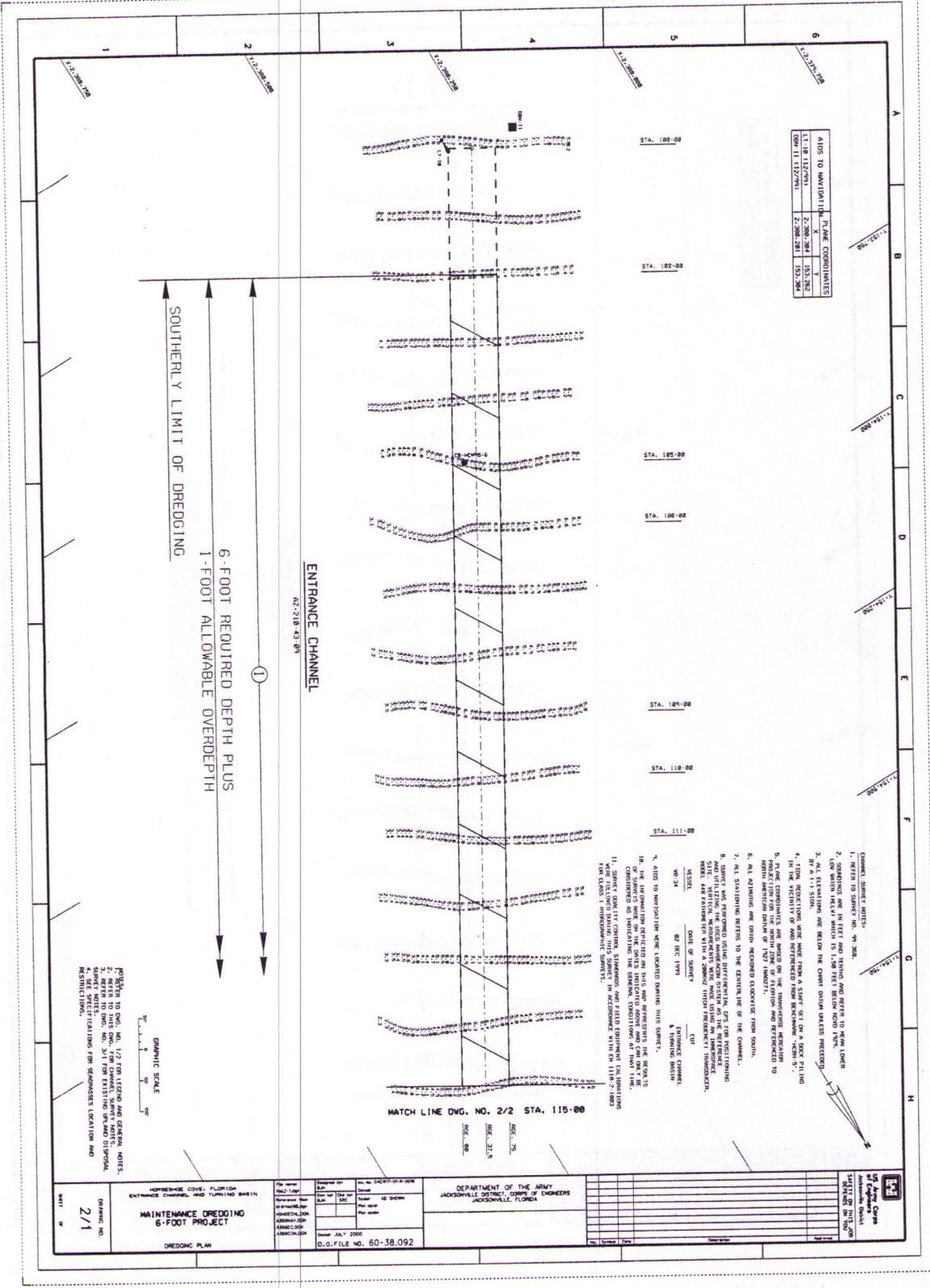
TURNING BASIN CORNER	POINT	ELEVATION	MARK	X	Y
1	101.250	101.250	101.250	101.250	101.250
2	101.250	101.250	101.250	101.250	101.250
3	101.250	101.250	101.250	101.250	101.250
4	101.250	101.250	101.250	101.250	101.250
5	101.250	101.250	101.250	101.250	101.250
6	101.250	101.250	101.250	101.250	101.250
7	101.250	101.250	101.250	101.250	101.250
8	101.250	101.250	101.250	101.250	101.250
9	101.250	101.250	101.250	101.250	101.250
10	101.250	101.250	101.250	101.250	101.250
11	101.250	101.250	101.250	101.250	101.250
12	101.250	101.250	101.250	101.250	101.250

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT ENGINEERS
 JACKSONVILLE, FLORIDA

DATE: JULY 2000
 D.C. FILE NO.: 60-38,092

HORSESHOE COVE, FLORIDA
 ENTRANCE CHANNEL AND TURNING BASIN
**MAINTENANCE DREDGING
 6-FOOT PROJECT**
 CONTROL DATA

DRAWING NO.: 1/3



ALDS TO NAVIGATION		PLANE COORDINATES	
X	Y	X	Y
117,100	117,290	2,290,284	153,282
117,290	117,290	2,290,281	153,284

1. REFER TO SURVEY NO. 91-308.
2. SOUNDINGS ARE IN FEET AND FRINGS AND REFER TO MEAN LOWER LOW WATER (M.L.L.W.) WHICH IS 1.08 FEET BELOW M.T.N.
3. ALL ELEVATIONS ARE BELOW THE CORNER DUMM GAGES RECEIVED BY THE DISTRICT.
4. ALL ELEVATIONS WERE MADE FROM A STAFF SET ON A ROCK PILING IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "M.B.H. 5".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERIDIAN OF THE CORNER DUMM GAGES AND REFERENCED TO THE CORNER DUMM GAGES.
6. ALL SOUNDINGS ARE UNLESS INDICATED OTHERWISE FROM SOUND.
7. ALL ELEVATIONS REFER TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE REAL TIME KINEMATIC SYSTEM AS THE PRIMARY MEANS OF POSITIONING. THE SURVEY WAS CONDUCTED IN THE PRESENCE OF A STRONG MAGNETIC INTERFERENCE WHICH CAUSED FREQUENTLY INTERRUPTED SIGNALS.
9. ALL ELEVATIONS WERE OBTAINED FROM THIS SURVEY.
10. THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF THE DISTRICT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE DISTRICT.
11. SURVEY DATA IN CORNER STATIONS AND DUMM GAGES IS TO BE USED FOR CLASS 1 HYDROGRAPHIC SURVEYS.

ENTRANCE CHANNEL
 DATE OF SURVEY 02 DEC 1993
 DRAWN BY [Name]
 CHECKED BY [Name]



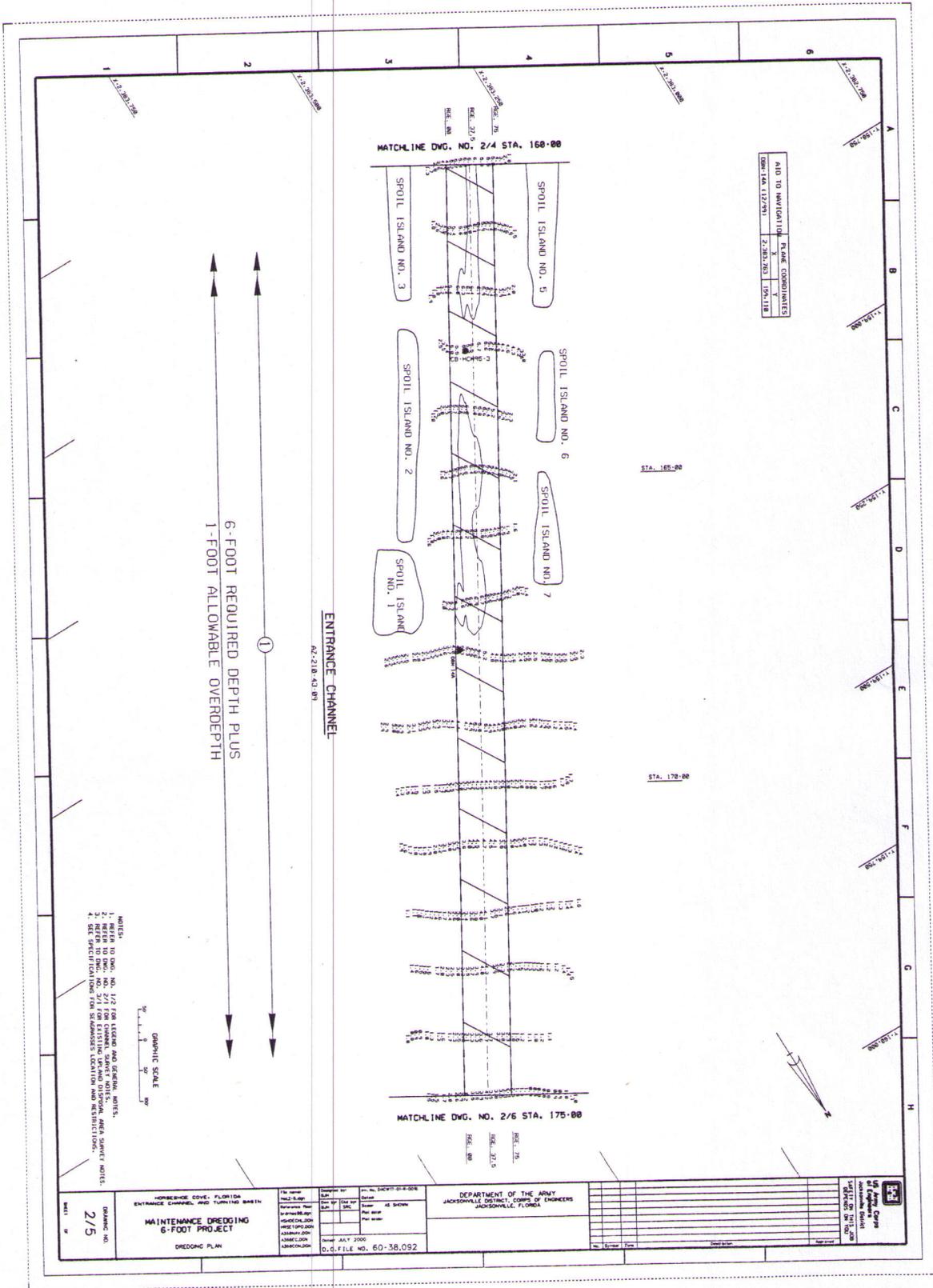
PROVISION TO DVG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
 1. REFER TO THIS DVG. FOR CHANNEL SURVEY NOTES.
 2. CHANNEL SURVEY DVG. NO. 2/1 FROM EXISTING CHANNEL AND DIVERSION.
 3. SEE SPECIFICATIONS FOR SEDIMENT LOCATION AND REMOVAL.

PROJECT NO.	60-38-092
DATE	JULY 2000
SCALE	AS SHOWN
DESIGNED BY	[Name]
CHECKED BY	[Name]
APPROVED BY	[Name]
DATE	JULY 2000
PROJECT NO.	60-38-092
DATE	JULY 2000
SCALE	AS SHOWN
DESIGNED BY	[Name]
CHECKED BY	[Name]
APPROVED BY	[Name]
DATE	JULY 2000

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

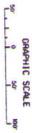
ENTRANCE CHANNEL
 DATE OF SURVEY 02 DEC 1993
 DRAWN BY [Name]
 CHECKED BY [Name]

MAINTENANCE DREDGING
 6-FOOT PROJECT
 DREDGING PLAN
 2/1

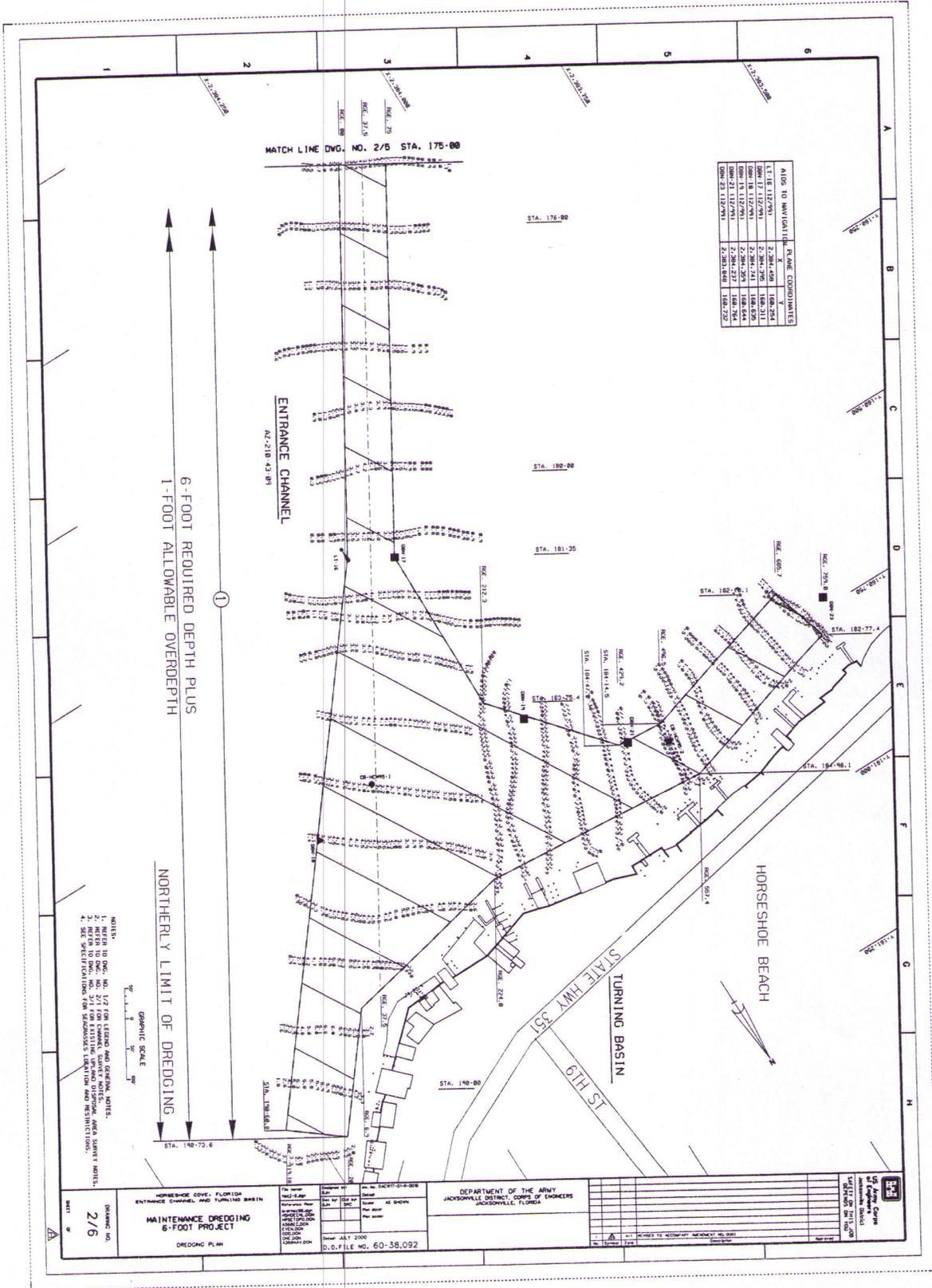


AID TO NAVIGATION		FRAME COORDINATES	
NO. 146 (12/79)	X	2,301,021	10,118

- NOTES
1. REFER TO DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
 2. REFER TO DWG. NO. 2/1 FOR CHANNEL, SHOULDER NOTES, AREA, SURVEY NOTES.
 3. REFER TO DWG. NO. 2/3 FOR ALTERNATE CHANNEL, SHOULDER AND DREDGINGS.
 4. SEE SPECIFICATIONS FOR CONSTRUCTION, MATERIALS AND DIMENSIONS.



DRAWING NO. 2/5	PROJECT TITLE MAINTENANCE DREDGING 6-FOOT PROJECT	DESIGNED BY DATE		DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	SHEET NO. TOTAL SHEETS
		CHECKED BY DATE			
HOME SHORE COVE, FLORIDA ENTRANCE CHANNEL AND TURNING BASIN		DRAWING NO. PROJECT NO. SHEET NO. OF TOTAL SHEETS DATE PLOTTED PLOT SCALE		PROJECT NO. SHEET NO. OF TOTAL SHEETS DATE PLOTTED PLOT SCALE	
DREDGING PLAN		DATE PLOTTED PLOT SCALE		PROJECT NO. SHEET NO. OF TOTAL SHEETS DATE PLOTTED PLOT SCALE	



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
L 118 112/91	2,281,458	1,684,254
DMR 17 112/91	2,281,458	1,684,254
DMR 18 112/91	2,281,458	1,684,254
DMR 19 112/91	2,281,458	1,684,254
DMR 20 112/91	2,281,458	1,684,254
DMR 21 112/91	2,281,458	1,684,254
DMR 22 112/91	2,281,458	1,684,254

- NOTES:
1. REFER TO Dwg. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
 2. REFER TO Dwg. NO. 2/1 FOR EXISTING CHANNEL DIMENSIONS AND SHIPWAY NOTES.
 3. REFER TO Dwg. NO. 2/2 FOR EXISTING CHANNEL DIMENSIONS AND SHIPWAY NOTES.
 4. SEE SPECIFICATIONS FOR DIMENSIONS, LOCATION AND RESTRICTIONS.

GRAPHIC SCALE
 1" = 100' 0"

6-FOOT REQUIRED DEPTH PLUS
 1-FOOT ALLOWABLE OVERDEPTH

NORTHERLY LIMIT OF DREDGING

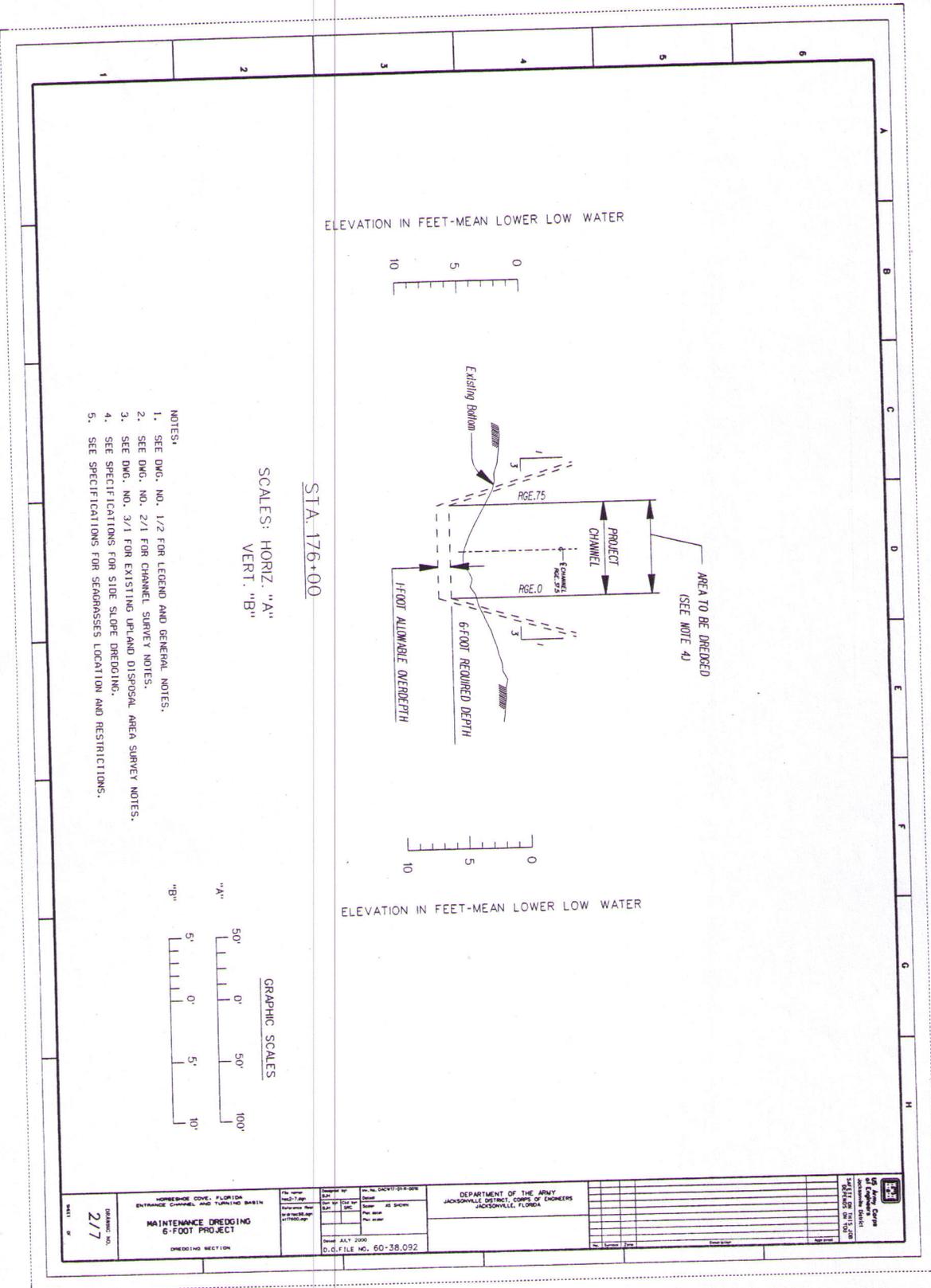
DRWING NO.
2/6

HORSESHOE COVE, FLORIDA
 ENTRANCE CHANNEL AND TURNING BASIN
**MAINTENANCE DREDGING
 6-FOOT PROJECT**
 DREDGING PLAN

DATE: JULY 2008
 D. FILE NO. 60-38,092

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

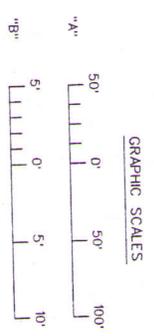
NO.	REVISIONS TO ACCOMPANY DRAWING NO. 60-38,092	DATE	BY	CHKD.



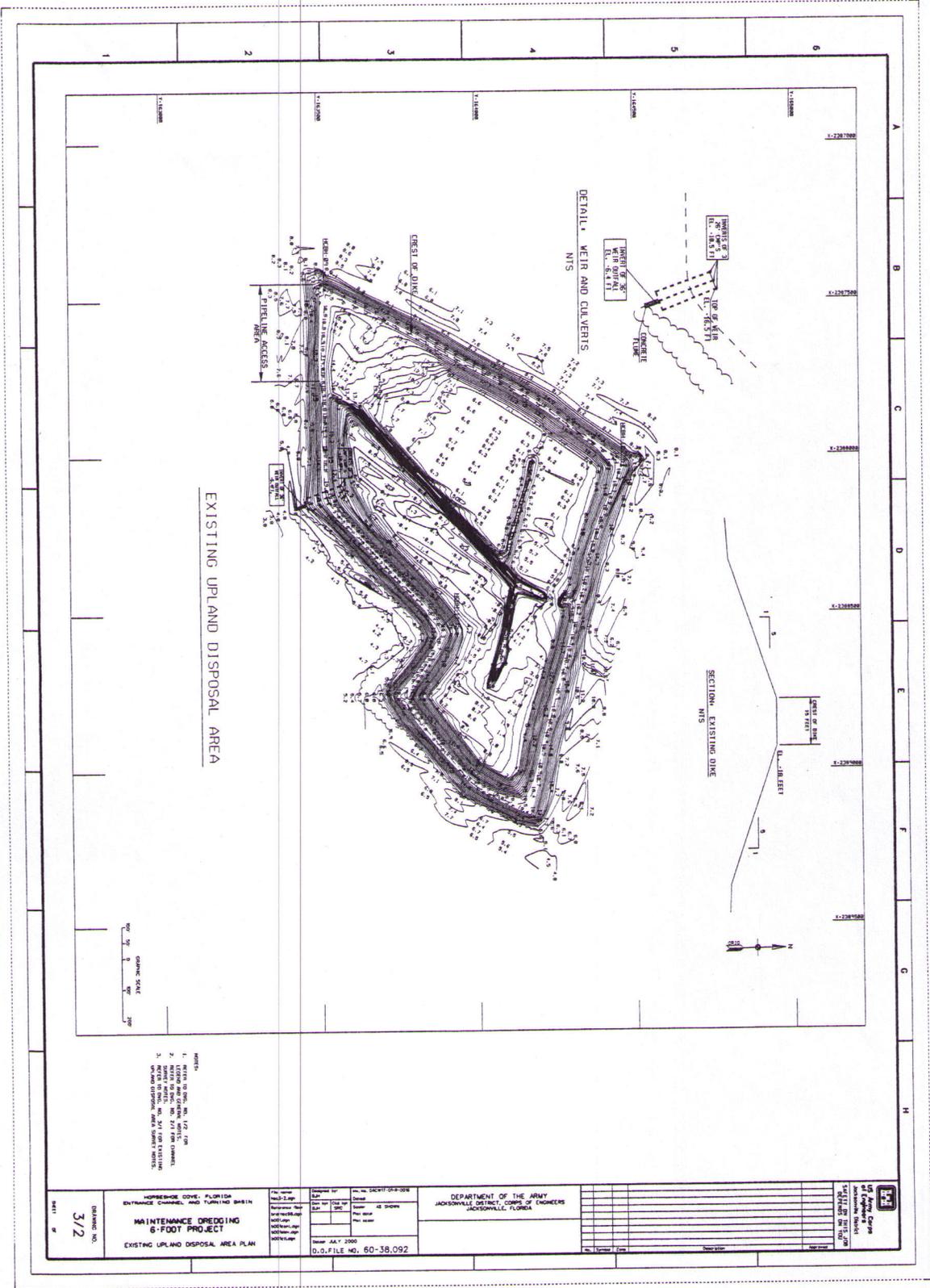
STA. 176+00

SCALES: HORIZ. "A"
VERT. "B"

- NOTES:
1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
 2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.
 3. SEE DWG. NO. 3/1 FOR EXISTING UPLAND DISPOSAL AREA SURVEY NOTES.
 4. SEE SPECIFICATIONS FOR SIDE SLOPE DREDGING.
 5. SEE SPECIFICATIONS FOR SEAGRASSES LOCATION AND RESTRICTIONS.



HORSESHOE COVE, FLORIDA ENTRANCE CHANNEL AND TURNING BASIN MAINTENANCE DREDGING 6-FOOT PROJECT DREDGING SECTION	FILE NO. SHEET NO. DATE	PROJECT NO. DRAWN BY CHECKED BY DATE	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	TITLE
				NO.
D.D. FILE NO. 60-38,092				



EXISTING UPLAND DISPOSAL AREA

- NOTES:
1. WEIR TO 15.5 FT. HIGH
 2. EMBANKMENT TO 15.7 FT. HIGH
 3. EMBANKMENT TO 15.7 FT. HIGH
 4. EMBANKMENT TO 15.7 FT. HIGH
 5. EMBANKMENT TO 15.7 FT. HIGH
 6. EMBANKMENT TO 15.7 FT. HIGH

		DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	
PROJECT NO. 3/2	SHEET NO. 3/2	DRAWN BY DATE	CHECKED BY DATE
PROJECT TITLE MAINTENANCE DREDGING 6-FOOT PROJECT		PROJECT NO. 60-38-092	DATE NOV 2000
PROJECT LOCATION HOPKINS COVE, FLORIDA ENTRANCE CHANNEL AND TURNING BASIN		PROJECT NO. 60-38-092	DATE NOV 2000