



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

October 1, 2019

U.S. Army Corps of Engineers
Attn: Mike Hollingsworth
Coastal Section, Environmental Branch
Jacksonville District
Post Office Box 4970
Jacksonville, Florida 32232
Michael.J.Hollingsworth@usace.army.mil

Re: File No. 16-0183955-010-EE
Duval County

Dear Mr. Hollingsworth;

We are in receipt of your notice made on September 30, 2019, to use the Port Maintenance Dredging Exemption in Section 403.813(3), Florida Statutes. The Department acknowledges your intention to use the exemption and your certification that you meet the requirements of the statute (attached).

The scope of work entails dredging from within the MCSF-Blount Island Slipway to a 38-ft required depth for part of the work and with a 50-ft required depth near the concrete sill. The design incorporates 2 ft of allowable overdepth throughout. Disposal of approximately 127,000 cubic yards of spoil material will be at the Corps' nearby upland Dayson Island Dredged Material Disposal Area (plans attached). The site was most recently toured by DEP staff on August 16, 2018.

This letter does not relieve you from the responsibility of obtaining other permits (Federal, State, or local) that may be required for the project. Authorized activities are depicted on the attached plans.

Sincerely,

A handwritten signature in black ink that reads "Kim Pearce".

Kim Pearce
Environmental Consultant

Enclosures:
Section 403.813(3), Florida Statutes
Standard Manatee Conditions for In-Water Work
Plans, 10 pages

Part V Chapter 403

403.813 Permits issued at district centers; exceptions.

(3) 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 maintenance dredging conducted under this section by the seaports of Jacksonville, Port Canaveral, Fort Pierce, Palm Beach, Port Everglades, Miami, Port Manatee, St. Petersburg, Tampa, Port St. Joe, Panama City, Pensacola, Key West, and Fernandina or by inland navigation districts if the dredging to be performed is no more than is necessary to restore previously dredged areas to original design specifications or configurations, previously undisturbed natural areas are not significantly impacted, and the work conducted does not violate the protections for manatees under s. 379.2431(2)(d). In addition:

(a) A mixing zone for turbidity is granted within a 150-meter radius from the point of dredging while dredging is ongoing, except that the mixing zone may not extend into areas supporting wetland communities, submerged aquatic vegetation, or hardbottom communities.

(b) The discharge of the return water from the site used for the disposal of dredged material shall be allowed only if such discharge does not result in a violation of water quality standards in the receiving waters. The return-water discharge into receiving waters shall be granted a mixing zone for turbidity within a 150-meter radius from the point of discharge into the receiving waters during and immediately after the dredging, except that the mixing zone may not extend into areas supporting wetland communities, submerged aquatic vegetation, or hardbottom communities. Ditches, pipes, and similar types of linear conveyances may not be considered receiving waters for the purposes of this paragraph.

(c) The state may not exact a charge for material that this subsection allows a public port or an inland navigation district to remove. In addition, consent to use any sovereignty submerged lands pursuant to this section is hereby granted.

(d) The use of flocculants at the site used for disposal of the dredged material is allowed if the use, including supporting documentation, is coordinated in advance with the department and the department has determined that the use is not harmful to water resources.

(e) The spoil material from maintenance dredging may be deposited in a self-contained, upland disposal site. The site is not required to be permitted if:

1. The site exists as of January 1, 2011;
2. A professional engineer certifies that the site has been designed in accordance with generally accepted engineering standards for such disposal sites;
3. The site has adequate capacity to receive and retain the dredged material; and
4. The site has operating and maintenance procedures established that allow for discharge of return flow of water and to prevent the escape of the spoil material into the waters of the state.

(f) The department must be notified at least 30 days before the commencement of maintenance dredging. The notice shall include, if applicable, the professional engineer certification required by paragraph (e).

(g) This subsection does not prohibit maintenance dredging of areas where the loss of original design function and constructed configuration has been caused by a storm event, provided that the dredging is

performed as soon as practical after the storm event. Maintenance dredging that commences within 3 years after the storm event shall be presumed to satisfy this provision. If more than 3 years are needed to commence the maintenance dredging after the storm event, a request for a specific time extension to perform the maintenance dredging shall be submitted to the department, prior to the end of the 3-year period, accompanied by a statement, including supporting documentation, demonstrating that contractors are not available or that additional time is needed to obtain authorization for the maintenance dredging from the United States Army Corps of Engineers.

History.—s. 7, ch. 75-22; s. 143, ch. 77-104; s. 4, ch. 78-98; s. 1, ch. 78-146; s. 86, ch. 79-65; s. 1, ch. 80-44; s. 8, ch. 80-66; s. 3, ch. 82-80; s. 6, ch. 82-185; s. 65, ch. 83-218; s. 69, ch. 83-310; s. 43, ch. 84-338; s. 39, ch. 85-55; s. 12, ch. 86-138; s. 44, ch. 86-186; ss. 1, 3, ch. 89-324; s. 4, ch. 96-238; s. 3, ch. 97-22; s. 3, ch. 98-131; s. 163, ch. 99-8; s. 1, ch. 2000-145; s. 1, ch. 2002-164; s. 4, ch. 2002-253; s. 1, ch. 2004-16; s. 46, ch. 2006-1; s. 12, ch. 2006-220; s. 8, ch. 2006-309; s. 4, ch. 2008-40; s. 202, ch. 2008-247; s. 52, ch. 2009-21; s. 5, ch. 2010-201; s. 3, ch. 2010-208; s. 8, ch. 2011-164; s. 4, ch. 2012-65; s. 6, ch. 2012-150; s. 21, ch. 2013-92.

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
- 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. 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

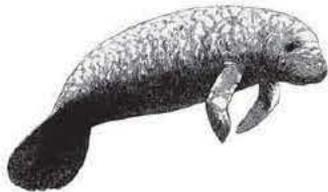
SHUT DOWN

Report any collision with or injury to a manatee:

Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC





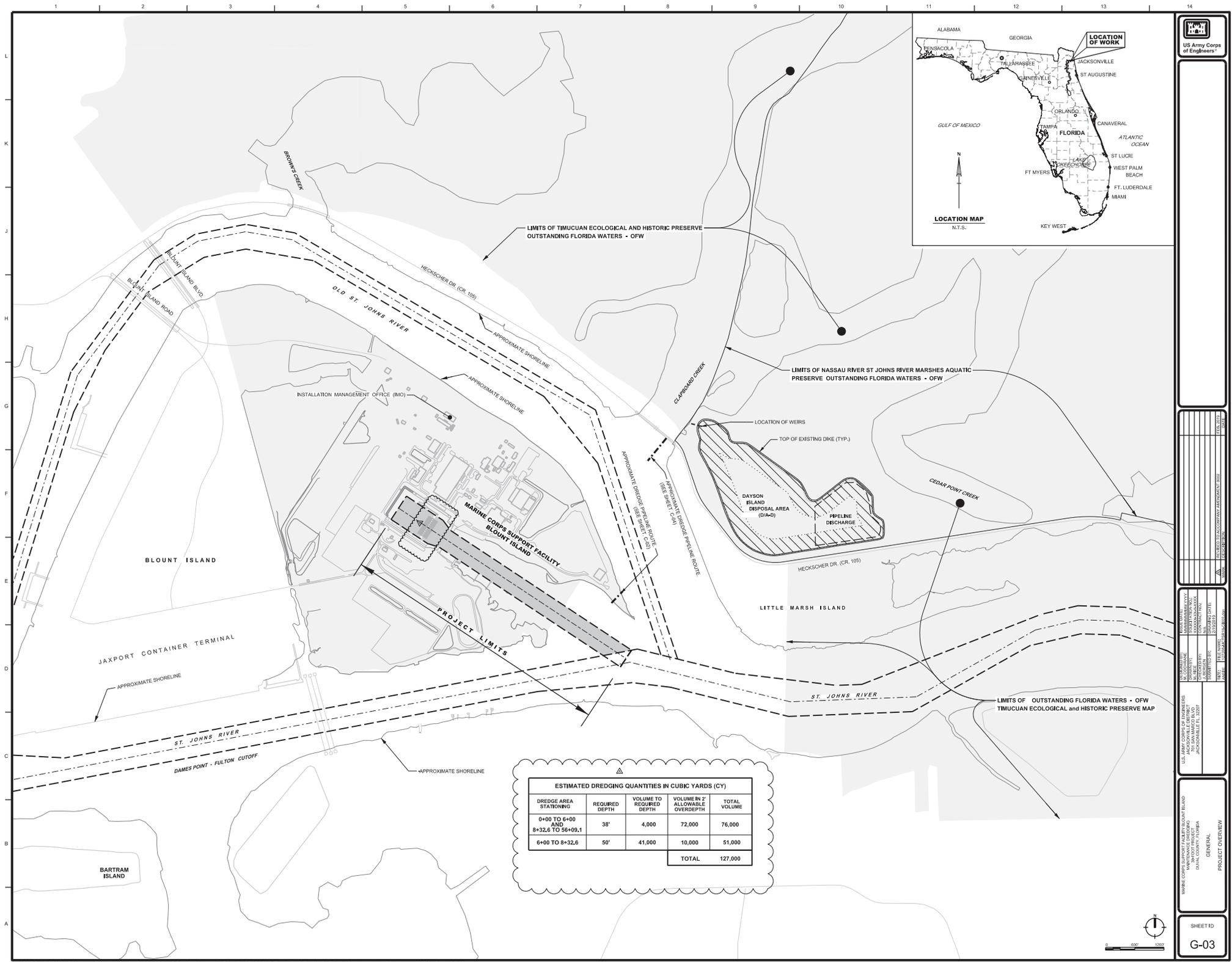
STJO-302

New Essex Rd

E Bulwary 296

19A

105



ESTIMATED DREDGING QUANTITIES IN CUBIC YARDS (CY)				
DREDGE AREA STATIONING	REQUIRED DEPTH	VOLUME TO BE DREDGED	VOLUME IN 2' ALLOWABLE OVERDEPTH	TOTAL VOLUME
0+00 TO 6+00 AND 8+32.6 TO 56+09.1	38'	4,000	72,000	76,000
6+00 TO 8+32.6	50'	41,000	10,000	51,000
TOTAL				127,000

US Army Corps of Engineers

DRAWN BY: [REDACTED]	CHECKED BY: [REDACTED]	DESIGNED BY: [REDACTED]	DATE: [REDACTED]
PROJECT NO: [REDACTED]	PROJECT TITLE: [REDACTED]	SCALE: [REDACTED]	DATE: [REDACTED]

US ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 CIVIL ENGINEERING DIVISION
 JACKSONVILLE, FL 32207

GENERAL
 PROJECT OVERVIEW

SHEET 10
G-03

CHANNEL CONTROL DATA NOTES:

MARINE CORPS TERMINAL CHANNEL FRAMEWORK REPORT
REVISION 22 AUGUST 2016

HORIZONTAL REFERENCE SYSTEM:

THE HORIZONTAL REFERENCE DATUM FOR THIS PROJECT IS THE NORTH AMERICAN DATUM OF 1983 (NAD83) BASED ON THE CURRENT VERSION OF THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS). GRID COORDINATES ARE SHOWN IN THE FLORIDA STATE PLANE COORDINATE SYSTEM (SPCS) EAST ZONE (9901). MEASUREMENT UNITS ARE THE U.S. SURVEY FOOT. CHANNEL STATIONING AND OFFSET COORDINATES ARE RELATIVE TO THE INDICATED CHANNEL BASELINE FOR EACH CHANNEL REACH. UNLESS OTHERWISE INDICATED, CHANNEL WIDTHS AND LIMITS CONFORM TO THE AUTHORIZED PROJECT DIMENSIONS, AS SHOWN IN THE MASTER CHANNEL FRAMEWORK DESIGN FILE FOR THIS PROJECT.

VERTICAL REFERENCE SYSTEM:

THE TIDAL REFERENCE GRADE FOR THIS PROJECT IS MEAN LOWER LOW WATER (MLLW), BASED ON THE NOAA 1983-2001 NATIONAL TIDAL DATUM EPOCH. ORTHOMETRIC HEIGHTS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

TIDAL MODEL:

THE NAVD88-MLLW RELATIONSHIP FOR THE PROJECT IS DERIVED FROM THE NOAA VDATUM HYDRODYNAMIC TIDAL MODEL VERSION 3, AND LOCAL TIDE STATION DATA. THIS MODEL WAS USED TO CONSTRUCT A KINEMATIC TIDAL DATUM GRID FILE (KTD) FOR USE BY THE HYDROGRAPHIC SOFTWARE FOR REAL-TIME VERTICAL DATUM CORRECTIONS. THOUGH DERIVED FROM THE VDATUM MODEL, THE KTD FILE MAY CONTAIN EDITS OR ADDITIONS NOT FOUND IN THE VDATUM MODEL. THESE EDITS ARE A RESULT OF EITHER OMISSIONS IN THE ORIGINAL VDATUM COVERAGE, OR GROSS DISAGREEMENTS WITH THE PUBLISHED TIDE GAUGE DATUM VALUES AT DISCREET POINTS ALONG A PARTICULAR REACH OF A NAVIGATION PROJECT. AS A RESULT OF THIS, THE KTD FILE AND THE VDATUM MODEL FILE ARE NOT TO BE CONSIDERED EQUIVALENT.

THE KTD FILE REFERENCED ABOVE IS USED TO CORRECT OBSERVED ORTHOMETRIC HEIGHTS TO THE MLLW REFERENCE DATUM. ANY THIRD PARTY ATTEMPT TO DUPLICATE A PROJECT SURVEY SHALL OBTAIN THE KINEMATIC TIDE DATUM MODEL (KTD FILE), REFERENCED IN THE NOTES ACCOMPANYING EACH SURVEY FROM THE JACKSONVILLE DISTRICT. REFER TO SURVEY NOTES FOR THE KTD FILE NAME.

PRIMARY PROJECT CONTROL POINTS (PPCP):

THE PPCP AND TIDE CALIBRATION SITE FOR THIS PROJECT IS LISTED BELOW. REFER TO THE SURVEY ACCOMPANYING THESE PLANS AND SPECIFICATIONS FOR THE POSITIONS OF THESE CONTROL MARKS. THE POSITIONS SHOWN ON THAT SURVEY MUST BE USED DURING CONSTRUCTION, OR IS AN ATTEMPT TO REPRODUCE SAID SURVEY IS DESIRED.

PPCP COORDINATE AND ELEVATION DATA ARE PUBLISHED BELOW, AND SHOULD BE VERIFIED FOR CHANGES AS COMPARED TO THE CURRENT NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS) NSRSID, OPUSID, AND/OR NOAA CO-OPS NVALON DATABASES, BASED ON THE PERMANENT IDENTIFIER (PID) OR GAGE STATION ID SHOWN FOR THE PPCP. IF DIFFERENCES ARE FOUND TO EXIST, ALERT USAGE PERSONNEL FOR FURTHER DIRECTION.

NSRS PPCP	NSRSID/OPUSID	CHANNEL REACH
BMT-101	OPUS PID: 888X81	ENTIRE REACH
PPCP MLLW CALIBRATION GAGES	NOAA STATION ID	
FULTON, ST. JOHNS RIVER	872 0221	

REFER TO THE NOTES OF THE LATEST FIELD SURVEY FOR THE SPECIFIC SURVEY CONTROL AND CALIBRATION TIDE GAUGE SITES CURRENTLY EMPLOYED BY OPERATIONS DIVISION USED TO CORRECT OBSERVED GPS DERIVED ELEVATIONS TO HEIGHTS RELATIVE TO MLLW.

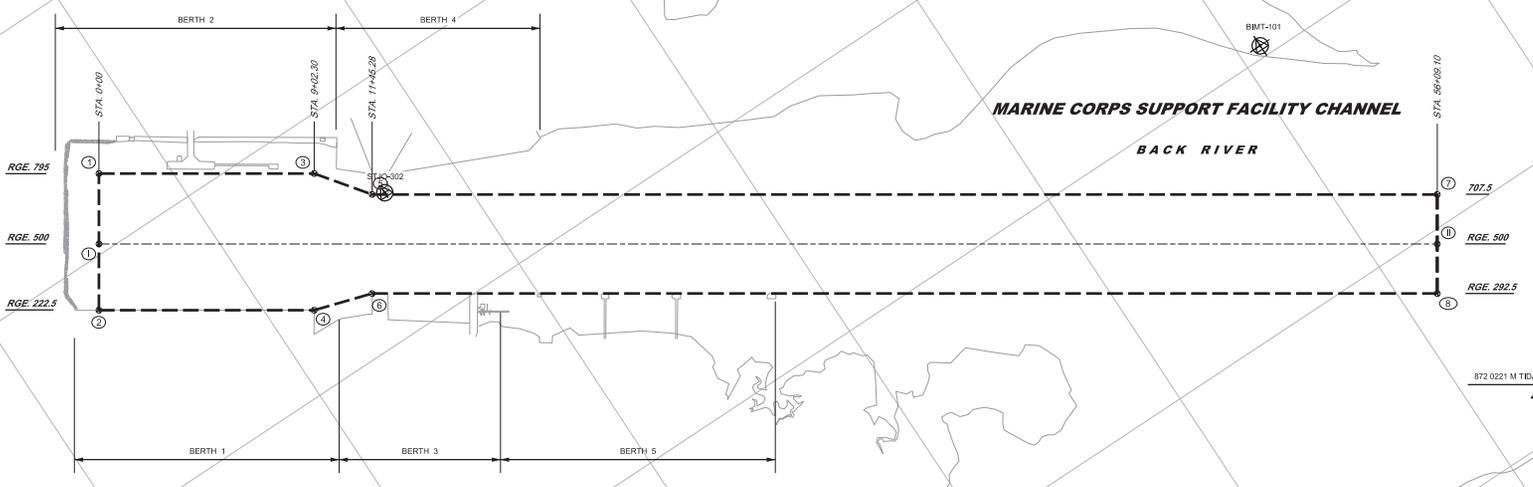
CONSTRUCTION SURVEY POSITIONING CRITERIA:

HORIZONTAL POSITIONING AND WATER SURFACE ELEVATION MEASUREMENTS PERFORMED UTILIZING REAL-TIME KINEMATIC (RTK) OR REAL-TIME NETWORK (RTN) GPS OBSERVATIONS ARE REFERENCED TO (AND/OR SITE-CALIBRATED TO) THE PPCP WITHIN THE SURVEY REPORT, SURVEY NOTES AND AS TABULATED WITHIN THESE PLANS.

REFER TO THE ACCOMPANYING 'SURVEY NOTES' FOR THE SURVEY CONTROL MARK POSITIONS. TIDAL CALIBRATION BENCH MARKS, KTD FILE NAME AND GEOD MODEL ASSOCIATED WITH THE DATA SHOWN BY THE HYDROGRAPHIC SURVEY FURNISHED WITHIN THESE PLANS.

SURVEY CONTROL					
DESIGNATION	PID	NORTHING	EASTING	NAVD88	MLLW
BMT-101	888X81	2,204,048.81	495,995.06	12.19	14.51
872 0221 M TIDAL	DH8953	2,201,610.50	486,070.50	6.82	9.18
STJC-302	88C302	2,205,559.14	491,694.05	6.07	N/A

NOTE: "SC" INDICATES A SCALED COORDINATE NOT INTENDED FOR USE AS SURVEY CONTROL. ONLY USE THIS COORDINATE AS AN AID IN FIELD LOCATION OF THE MONUMENT.



P.I. POINTS	PLANE COORDINATES (NAD83(90))	
	X	Y
1	490,577.08	2,206,039.55
2	495,256.33	2,202,946.55
3	490,739.75	2,206,285.64
4	490,424.06	2,205,808.05
5	491,492.47	2,205,788.09
6	491,176.78	2,205,310.50
7	491,646.92	2,205,581.12
8	491,418.08	2,205,234.91
9	495,370.75	2,203,119.65
10	495,141.91	2,202,773.45

US Army Corps of Engineers

DATE: 18-SEP-2016

PROJECT: JACKSONVILLE DISTRICT

PROJECT NO: 16-03-0000

PROJECT TITLE: MARINE CORPS SUPPORT FACILITY CHANNEL FRAMEWORK REPORT

PROJECT LOCATION: JACKSONVILLE DISTRICT, JACKSONVILLE, FL 32209

FILE NAME: 16-03-0000

DATE: 18-SEP-2016

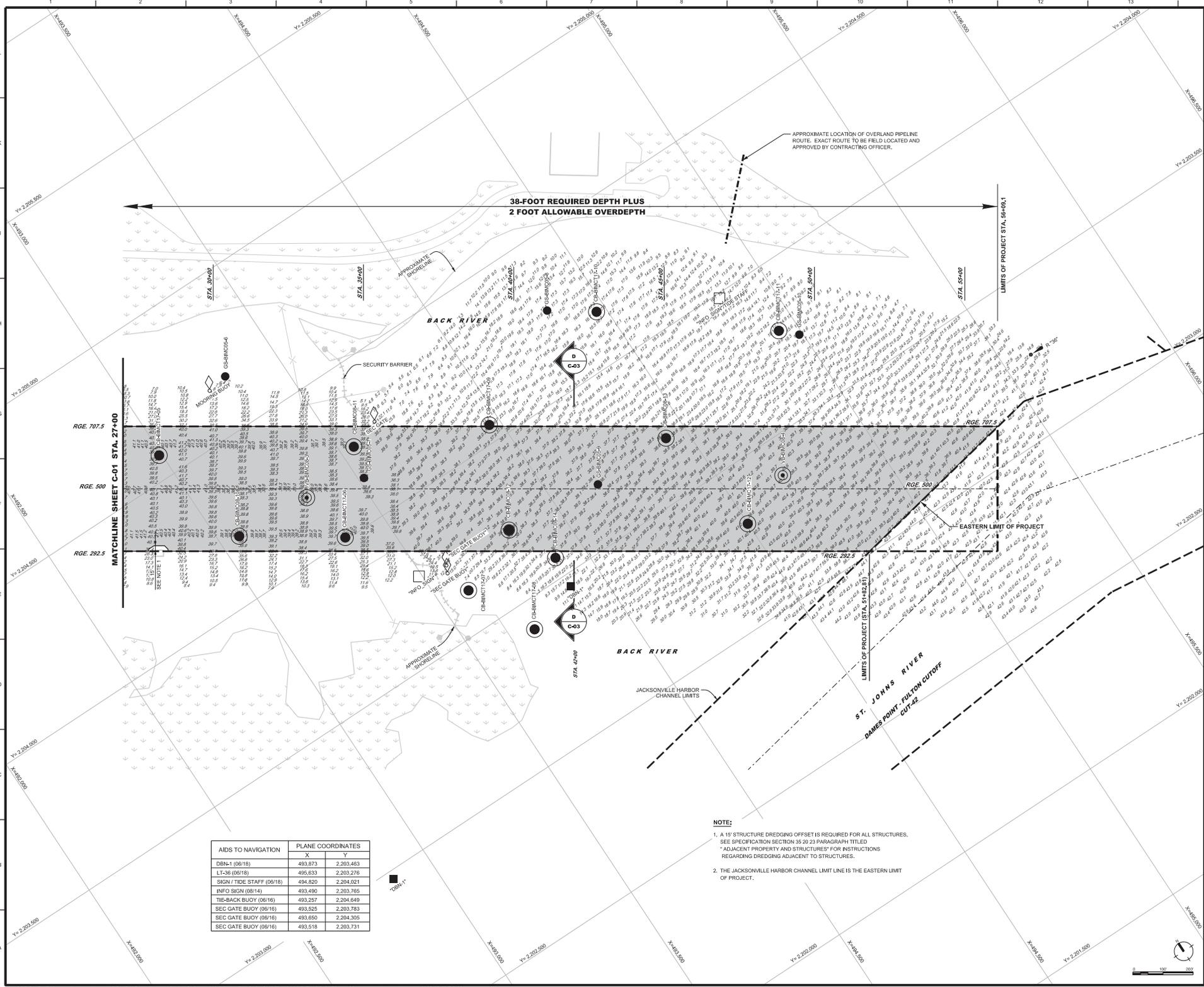
GENERAL

CHANNEL CONTROL DATA

SHEET ID

G-04

%STATUS%

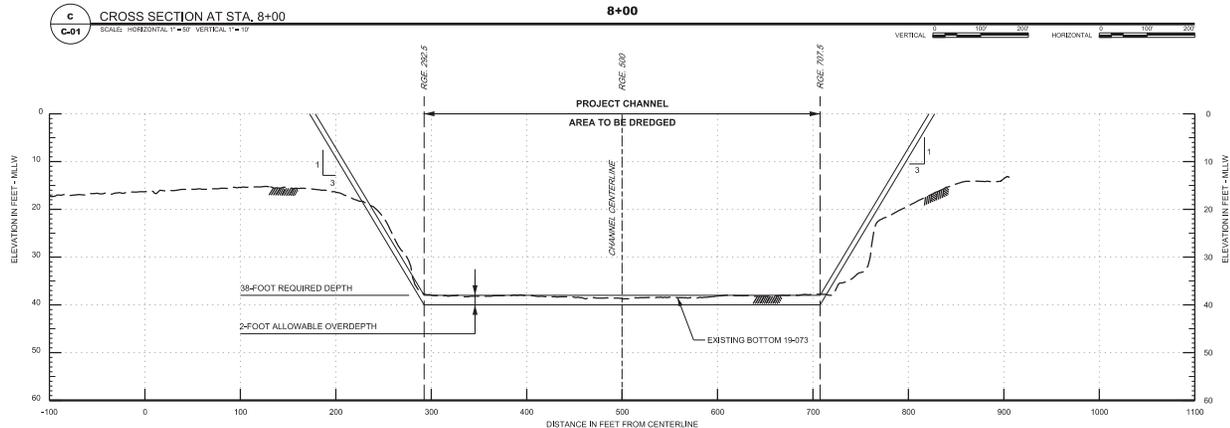
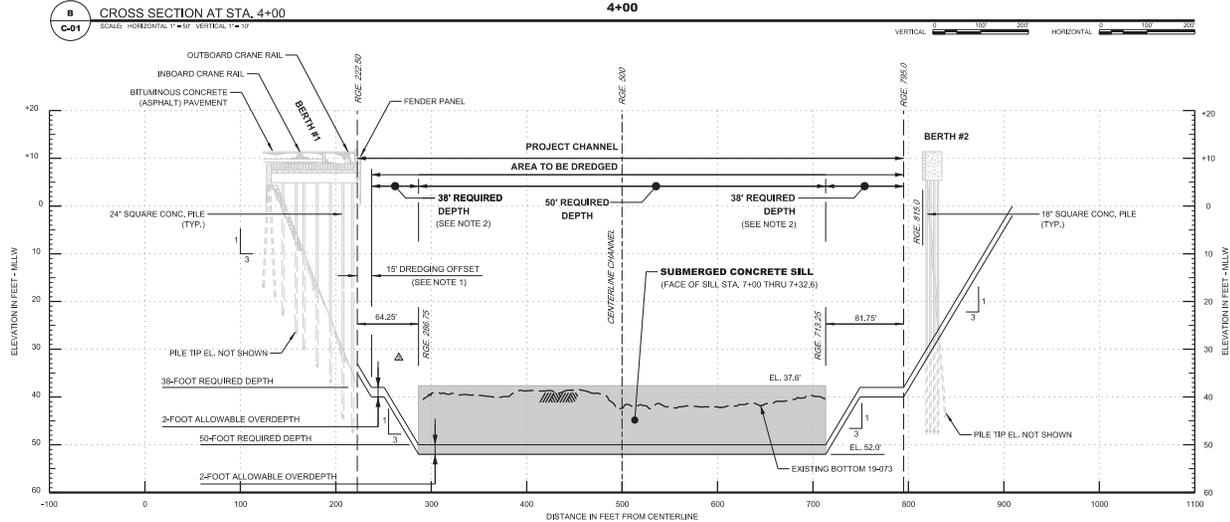
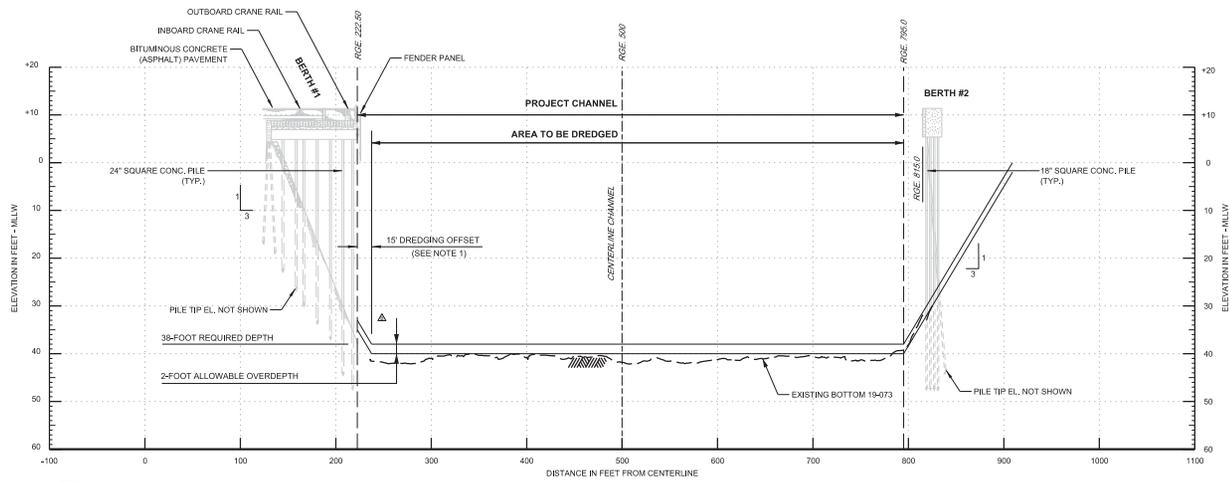


AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
DBN-1 (06/16)	493,873	2,203,493
LT-36 (06/18)	495,633	2,203,276
SIGN / TIDE STAFF (06/18)	494,820	2,204,021
INFO SIGN (06/14)	493,490	2,203,765
TIE-BACK BUOY (06/16)	493,257	2,204,549
SEC GATE BUOY (06/16)	493,525	2,203,783
SEC GATE BUOY (06/16)	493,650	2,204,305
SEC GATE BUOY (06/16)	493,518	2,203,731

NOTE:

- A 1' STRUCTURE DREDGING OFFSET IS REQUIRED FOR ALL STRUCTURES. SEE SPECIFICATION SECTION 35 20 23 PARAGRAPH TITLED "ADJACENT PROPERTY AND STRUCTURES" FOR INSTRUCTIONS REGARDING DREDGING ADJACENT TO STRUCTURES.
- THE JACKSONVILLE HARBOR CHANNEL LIMIT LINE IS THE EASTERN LIMIT OF PROJECT.

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT NO.	
SHEET NO.	
TITLE	



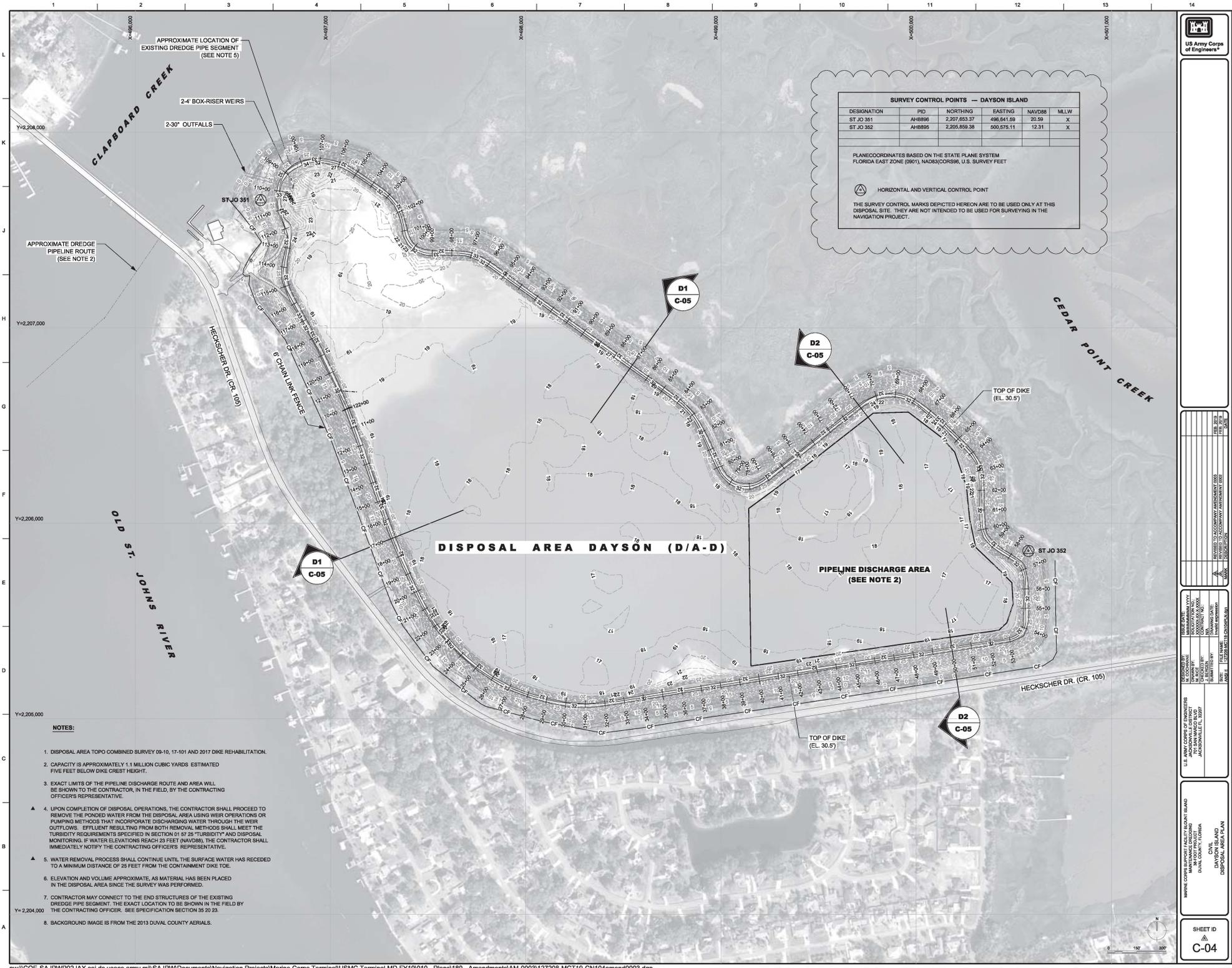
- NOTE:**
1. A 15' STRUCTURE DREDGING OFFSET IS REQUIRED FOR ALL STRUCTURES. SEE SPECIFICATION SECTION 35 20 23 PARAGRAPH TITLED "ADJACENT PROPERTY AND STRUCTURES" FOR INSTRUCTIONS REGARDING DREDGING ADJACENT TO STRUCTURES.
 2. SIDE SLOPES SHOWN ON CROSS SECTIONS ARE FOR CONTRACTUAL PAYMENT PROPOSES ONLY. ACTUAL SIDE SLOPES VARY WITH THE NATURAL ANGLE OF REPOSE FOR THE ADJACENT MATERIAL.

US Army Corps of Engineers

DESIGNED BY: JAMES W. HARRIS
 CHECKED BY: JAMES W. HARRIS
 DRAWN BY: JAMES W. HARRIS
 DATE: 10/20/2010

PROJECT: USACE/USMC TERMINAL MODIFICATION PROJECT
 DRAWING NO.: C-03
 SHEET NO.: C-03

TYPICAL CROSS SECTIONS



SURVEY CONTROL POINTS — DAYSON ISLAND

DESIGNATION	PID	NORTHING	EASTING	NAVD88	MLLW
ST JO 351	AH8856	2,207,653.37	496,541.59	20.59	X
ST JO 352	AH8856	2,205,856.38	500,575.11	12.31	X

PLANE COORDINATES BASED ON THE STATE PLANE SYSTEM
FLORIDA EAST ZONE (9801), NAD83(CORS96, U.S. SURVEY FEET)

HORIZONTAL AND VERTICAL CONTROL POINT

THE SURVEY CONTROL MARKS DEPICTED HEREON ARE TO BE USED ONLY AT THIS DISPOSAL SITE. THEY ARE NOT INTENDED TO BE USED FOR SURVEYING IN THE NAVIGATION PROJECT.

US Army Corps of Engineers

DESIGNED BY: [Redacted]
 CHECKED BY: [Redacted]
 DRAWN BY: [Redacted]
 DATE: [Redacted]

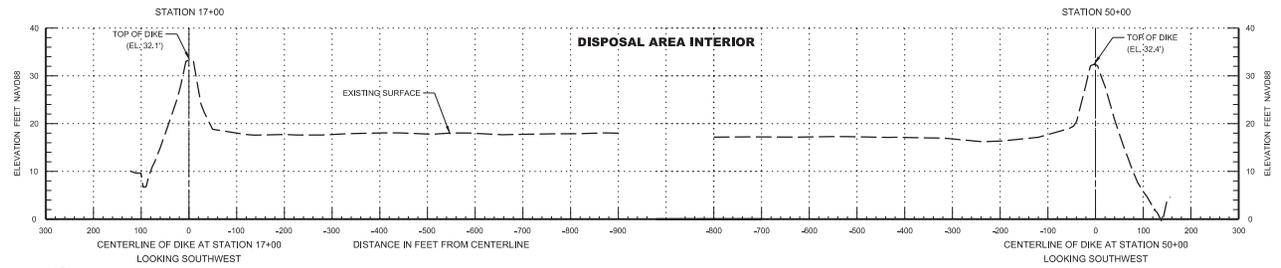
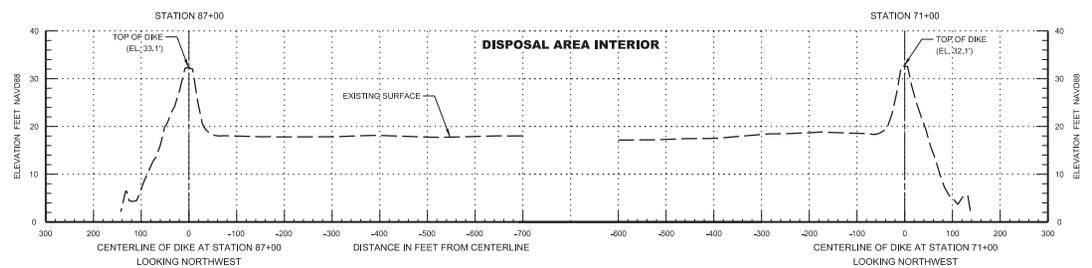
U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 JACKSONVILLE, FLORIDA
 CIVIL
 DIVISION
 DISPOSAL AREA PLAN

SHEET ID
C-04

- NOTES:**
- DISPOSAL AREA TOPO COMBINED SURVEY 09-10, 17-101 AND 2017 DIKE REHABILITATION.
 - CAPACITY IS APPROXIMATELY 1.1 MILLION CUBIC YARDS ESTIMATED FIVE FEET BELOW DIKE CREST HEIGHT.
 - EXACT LIMITS OF THE PIPELINE DISCHARGE ROUTE AND AREA WILL BE SHOWN TO THE CONTRACTOR, IN THE FIELD, BY THE CONTRACTING OFFICERS REPRESENTATIVE.
 - UPON COMPLETION OF DISPOSAL OPERATIONS, THE CONTRACTOR SHALL PROCEED TO REMOVE THE PONDED WATER FROM THE DISPOSAL AREA USING WEIR OPERATIONS OR PUMPING METHODS THAT INCORPORATE DISCHARGING WATER THROUGH THE WEIR OUTFLOWS. EFFLUENT RESULTING FROM BOTH REMOVAL METHODS SHALL MEET THE TURBIDITY REQUIREMENTS SPECIFIED IN SECTION 01 57 25 TURBIDITY AND DISPOSAL MONITORING. IF WATER ELEVATIONS REACH 23 FEET (NAVD88), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICERS REPRESENTATIVE.
 - WATER REMOVAL PROCESS SHALL CONTINUE UNTIL THE SURFACE WATER HAS RECEDED TO A MINIMUM DISTANCE OF 25 FEET FROM THE CONTAINMENT DIKE TIDE.
 - ELEVATION AND VOLUME APPROXIMATE, AS MATERIAL HAS BEEN PLACED IN THE DISPOSAL AREA SINCE THE SURVEY WAS PERFORMED.
 - CONTRACTOR MAY CONNECT TO THE END STRUCTURES OF THE EXISTING DREDGE PIPE SEGMENT. THE EXACT LOCATION TO BE SHOWN IN THE FIELD BY THE CONTRACTING OFFICER. SEE SPECIFICATION SECTION 35 20 23.
 - BACKGROUND IMAGE IS FROM THE 2013 DUVAL COUNTY AERIALS.



DATE	12/18/2012
BY	DAVIDSON/ANG
FOR	CONTRACTOR
PROJECT	USMC TERMINAL MODIFICATION
DRAWING NO.	10000000000000000000
SCALE	AS SHOWN



- NOTES:**
- ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NAVD88 DATUM AND ARE ABOVE REFERENCE DATUM UNLESS PRECEDED BY A (+) SIGN. THIS VERTICAL DATUM IS DIFFERENT THAN THE CHANNEL HYDRO SURVEY. REFER TO SPECIFIC SURVEY NOTES FOR DATUM REFERENCES.
 - SURFACES SHOWN ARE APPROXIMATE AS MATERIAL HAS BEEN PLACED IN THE DISPOSAL AREA SINCE THE SURVEY WAS PERFORMED.

DESIGNED BY	DAVIDSON/ANG
CHECKED BY	DAVIDSON/ANG
DATE	12/18/2012
PROJECT	USMC TERMINAL MODIFICATION
DRAWING NO.	10000000000000000000
SCALE	AS SHOWN

SHEET 10
C-05