

DESIGN AUTHENTICATION

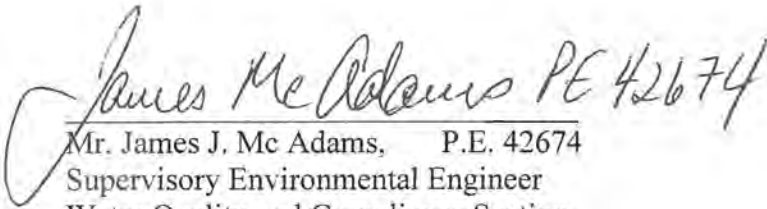
PROJECT: FDEP Joint Coastal Permit Application
Naples to Gordon Pass (Cut-1 to Cut-7) Maintenance Dredging Project
Permit Application No. 0176979-006-JC

ATTACHED PLAN SHEETS:

The attached plans were prepared by the Jacksonville District, U.S. Army Corps of Engineers (USACE). The initials or signatures and registrations designations of the signatory below or that appear on these project documents are within the scope of employment as required by USACE Engineering Regulation 1110-1-8152, PROFESSIONAL REGISTRATION, 8 Aug 1995, and are not made in the individual capacity of the signatories.

USACE employee signatures are provided in support of the "Interagency Coordination Agreement for Civil Works Projects", signed 28 Feb 2006 by the Florida Department of Environmental Protection, the USACE Jacksonville District, and USACE Mobile District.

These plans are for permitting purposes only, and are not for construction.

 PE 42674

Mr. James J. Mc Adams, P.E. 42674
Supervisory Environmental Engineer
Water Quality and Compliance Section

15 Apr 2013
15 April 2013

14 sheets dated May 2012. *(REVIEWED 15 Apr 2013)*
Includes revision from November 2012.

NAPLES TO GORDON PASS (CUT-1 TO CUT-7) MAINTENANCE DREDGING PROJECT

PLATE	TITLE
1	GENERAL NOTES, INDEX TO DRAWINGS, LEGEND AND LOCATION MAPS
2	PROJECT VICINITY MAP
3	CUT-1 - STA. 0+00 - STA. 16+00
4	CUT-1 - STA. 16+00 - STA. 32+00
5	CUT-1 - STA. 32+00 - STA. 48+50
6	CUT-1 TO CUT-2 - STA. 48+50 (CUT-1) - STA. 14+00 (CUT-2)
7	CUT-2 TO CUT-4 - STA. 14+00 (CUT-2) - STA. 0+50 (CUT-4)
8	CUT-4 TO CUT-5 - STA. 0+50 (CUT-4) - STA. 2+50 (CUT-5)
9	CUT-5 TO CUT-6 - STA. 2+50 (CUT-5) - STA. 11+50 (CUT-6)
10	CUT-6 TO CUT-7 - STA. 11+50 (CUT-6) - STA. 17+00 (CUT-7)
11	CUT-7 - STA. 17+00 - STA. 36+00
12	DREDGED MATERIAL BEACH PLACEMENT AREA
13	TYPICAL CROSS SECTIONS
14	TYPICAL BEACH PLACEMENT CROSS SECTIONS



PROJECT LOCATION

N.T.S.

LEGEND:

--- PROJECT CHANNEL

10 - PROJECT DEPTH

NAVIGATION AIDS

PROPOSED BEACH DREDGE MATERIAL PLACEMENT SITE

VB-NAPLESC2-10-1 - VIBRACORE/CORE BORINGS SAMPLE DESIGNATION & LOCATION

12.5 - SPOT ELEVATION / SOUNDING

10-FOOT REQUIRED DEPTH PLUS 3-FOOT ALLOWABLE OVERDEPTH - APPROXIMATE LIMITS OF DREDGING

ABBREVIATIONS:

APPROX. = APPROXIMATE
DMMA = DREDGED MATERIALS MANAGEMENT AREA
DWG. = DRAWING
EL. = CENTERLINE
C = ELEVATION
EQ. = EQUALLY
FT. = FOOT/FEET
MLLW. = MEAN LOWER LOW WATER
NAD83. = NORTH AMERICAN DATUM OF 1983
NAVD88. = NORTH AMERICAN VERTICAL DATUM OF 1988
NTS. = NOT TO SCALE
RGE. = RANGE
STA. = STATIONING
SPA. = SPACED
TYP. = TYPICAL
USACE. = UNITED STATES ARMY CORPS OF ENGINEERS
USCG. = UNITED STATES COAST GUARD

SURVEY NOTES:

- REFER TO SURVEY NO. 10-140.
- ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO MLLW (NAPLES-GP 14SEP2010.KTD).
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

*REFERENCE BASE LOCATED AT "S 71"

NORTHING: 640,002.375'
EASTING: 393,841.728'
NAVD88 ELEVATION: 2.31' (FDEP)

*TIDE STAFF LOCATED FROM "S 71" (4.59' MLLW)

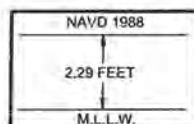
VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMART- SOUNDER DUAL FREQUENCY 28/200KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS FOR CUTS 1-7 ARE SHOWN IN HIGH FREQUENCY (200 KHZ) AND SOUNDINGS FOR CUTS 8-15 AND THE TURNING BASIN ARE SHOWN IN LOW FREQUENCY (28KHZ).

VESSEL	DATE OF SURVEY	CUT
WB-34	05-06, 27 OCT 2010	CUTS 1-15, MYB

- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.

10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.

11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.



RELATIONSHIP BETWEEN NAVD 1988
AND NOAA MEAN LOWER LOW WATER
(1983-2001 TIDAL EPOCH) AS PUBLISHED
AT NOAA TIDE GAUGE "NAPLES, GULF OF
MEXICO, FL (872 5110)



US Army Corps
of Engineers
Jacksonville District

PERMIT DRAWINGS (NOT FOR CONSTRUCTION)

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FILE NAME:
NAPLESFY12-C-PL-01.DGN

DATED:
MAY 2012

SCALE:
AS SHOWN

DWN BY:
J.D.B.

DSN BY:
J.D.B.

CKD BY:
R.I.M.

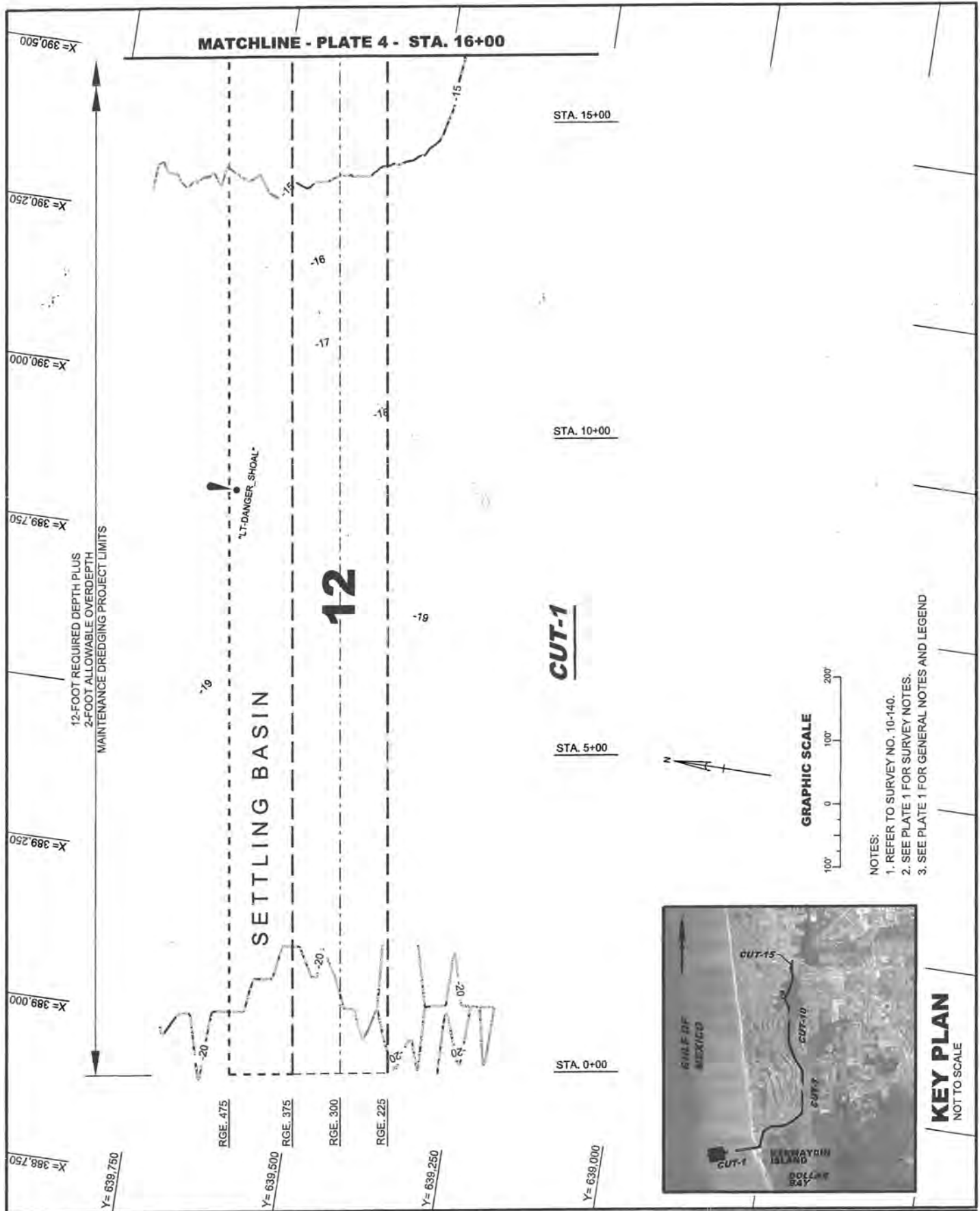
NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

**MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT**
GENERAL NOTES, ABBREVIATIONS, INDEX TO
DRAWINGS, LEGEND AND LOCATION MAPS

PLATE:

1

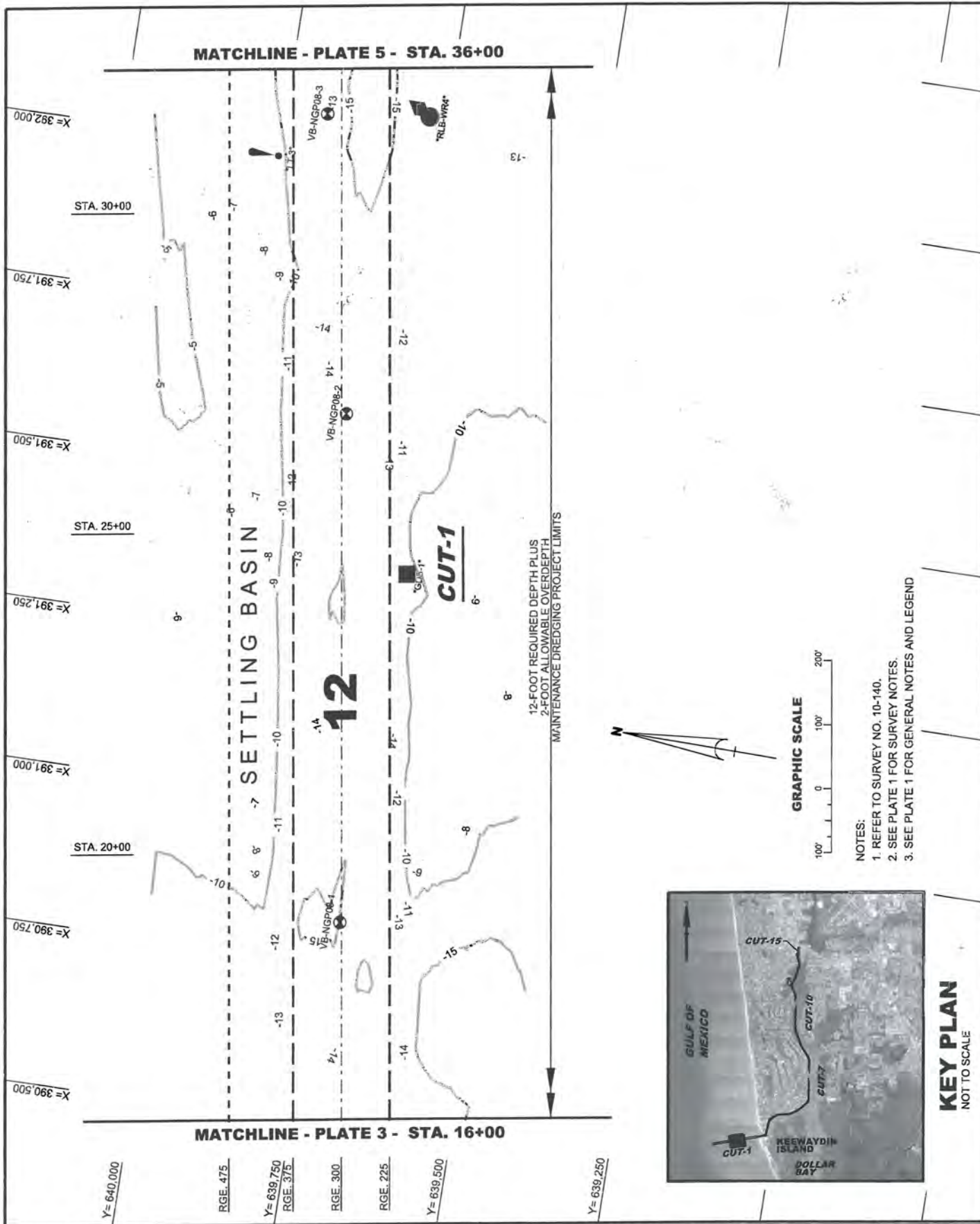
OF 14



- NOTES:
1. REFER TO SURVEY NO. 10-140.
 2. SEE PLATE 1 FOR SURVEY NOTES.
 3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

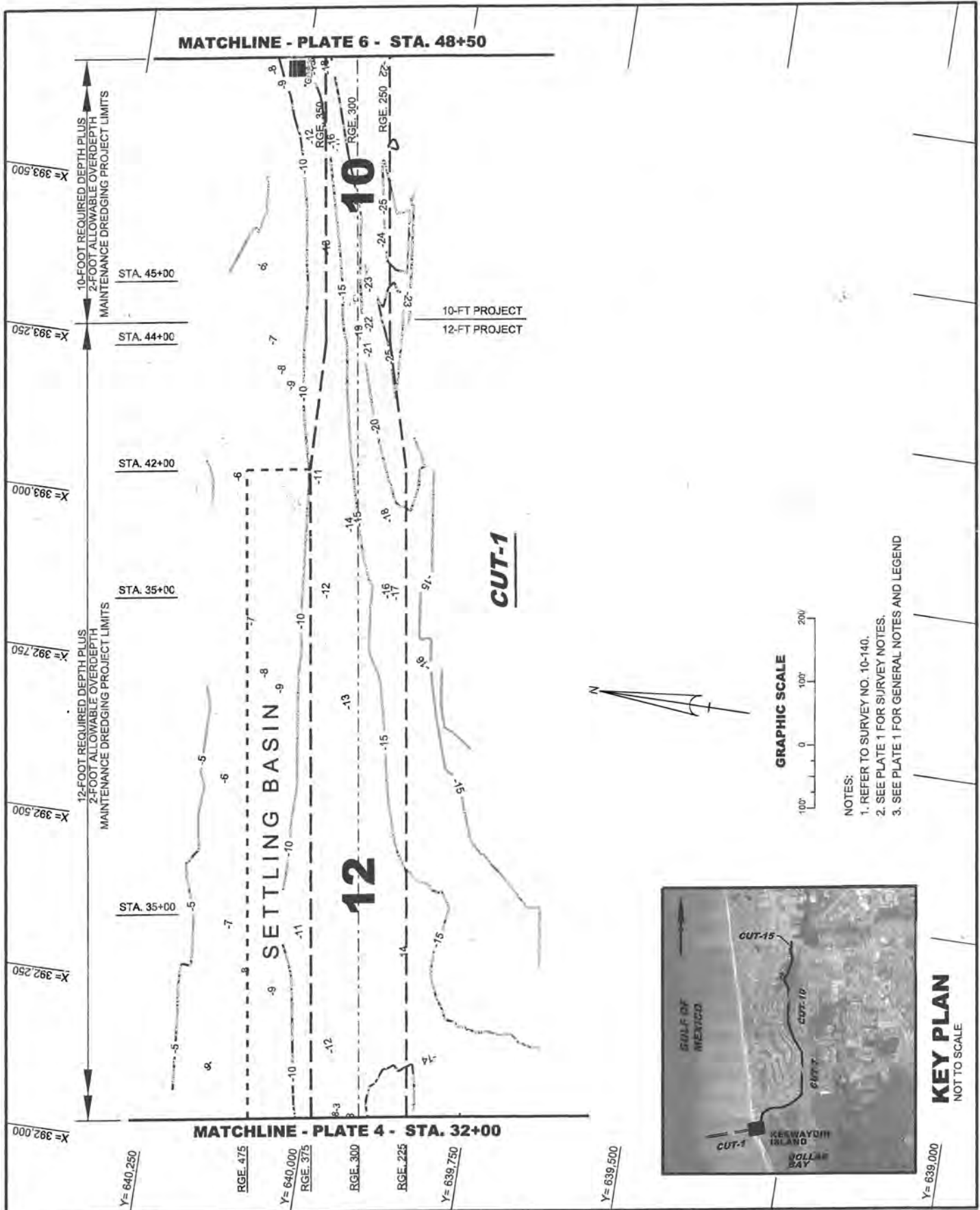
KEY PLAN
NOT TO SCALE

US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION)		FILE NAME: NAPLESFY12-C-PL-03.DGN		DWN BY: J.D.B.		NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT CUT-1 STA. 0+00 - STA. 16+00	PLATE: 3
	DEPARTMENT OF THE ARMY		DATED: MAY 2012		DSN BY: J.D.B.			
	JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA		SCALE: AS SHOWN		CKD BY: R.I.M.			



US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION) DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	FILE NAME: NAPLESFY12-C-PL-04.DGN DATED: MAY 2012 SCALE: AS SHOWN	DWN BY: J.D.B. DSN BY: J.D.B. CKD BY: R.I.M.	NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT CUT-1 STA. 16+00 - STA. 32+00	PLATE: 4 OF 14
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PERMIT # 176979006



US Army Corps
of Engineers
Jacksonville District

**PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)**

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

FILE NAME:
NAPLESFY12-C-PL-05.DGN

DATED:
MAY 2012

SCALE:
AS SHOWN

DWN BY:
J.D.B.

DSN BY:
J.D.B.

CKD BY:
R.I.M.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

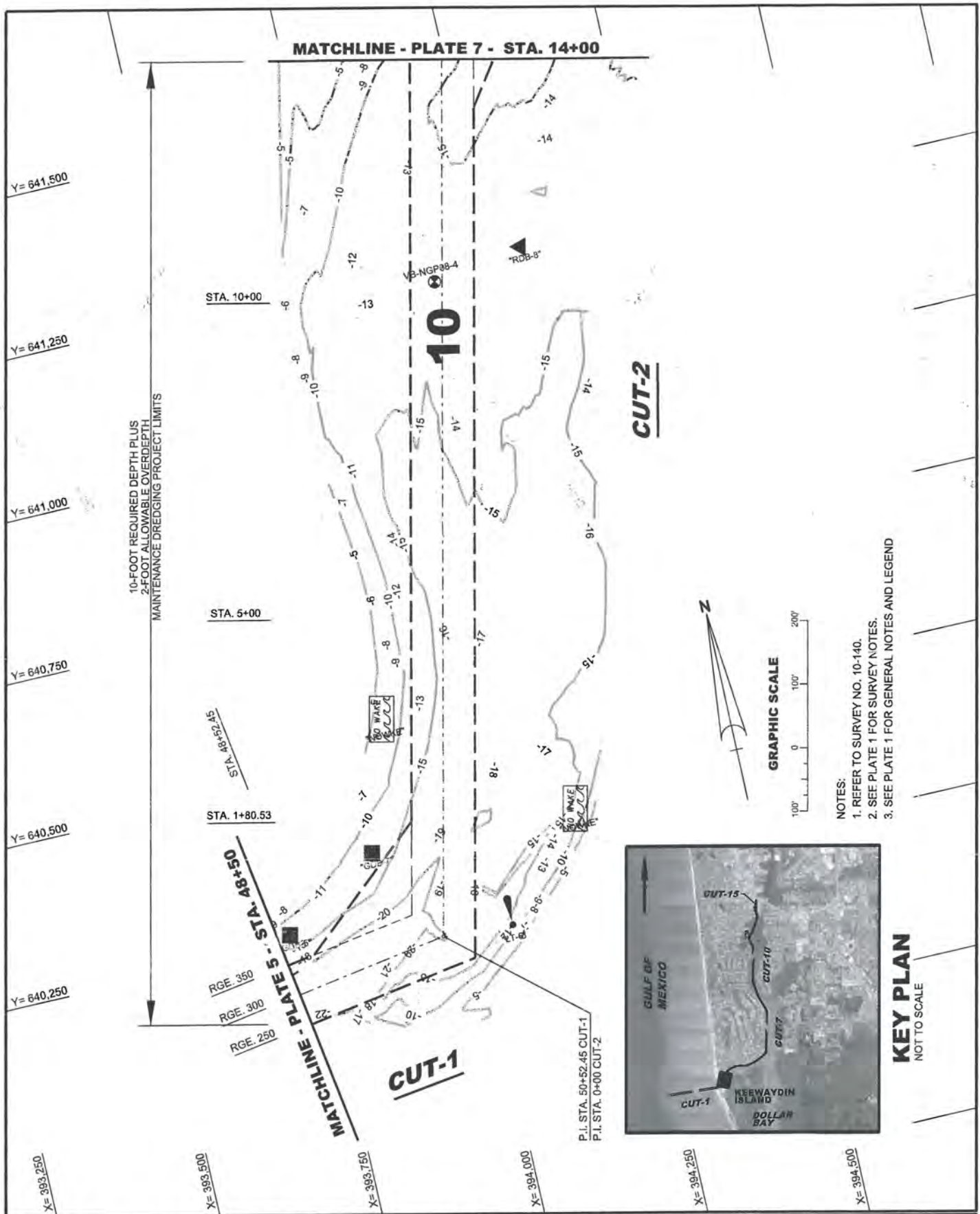
**MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT**

**CUT-1
STA. 32+00 - STA. 48+50**

PLATE:

5

OF 14

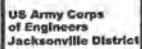


- NOTES:
1. REFER TO SURVEY NO. 10-140.
 2. SEE PLATE 1 FOR SURVEY NOTES.
 3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

KEY PLAN
NOT TO SCALE

 US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION) DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	FILE NAME: NAPLESFY12-C-PL-06.DGN DATED: MAY 2012 SCALE: AS SHOWN	DWN BY: J.D.B. DSN BY: J.D.B. CKD BY: R.I.M.	NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT CUT-1 TO CUT-2 STA. 48+50 (CUT-1) - STA. 14+00 (CUT-2)	PLATE: 6 OF 14
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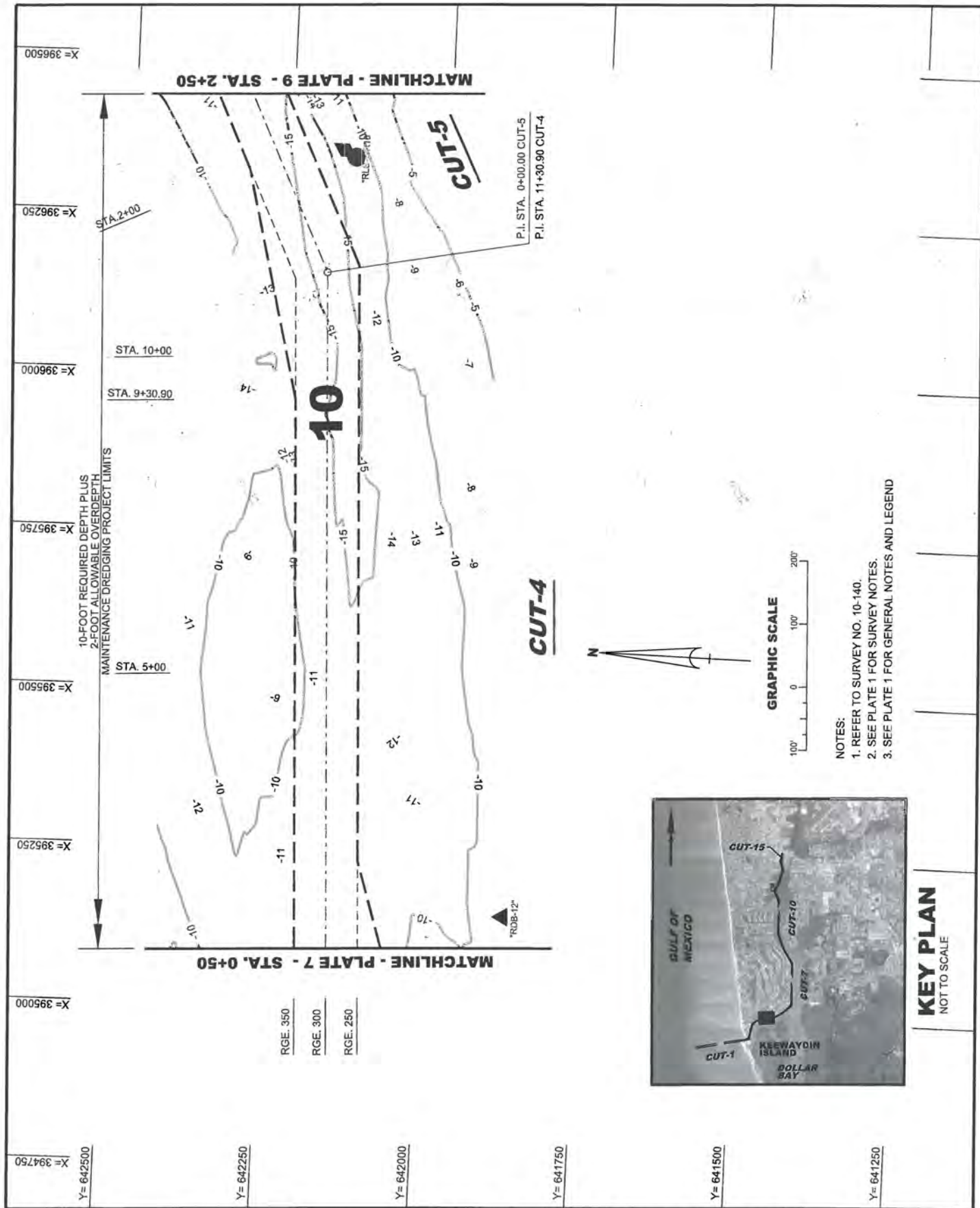
PERMIT # 176979006



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

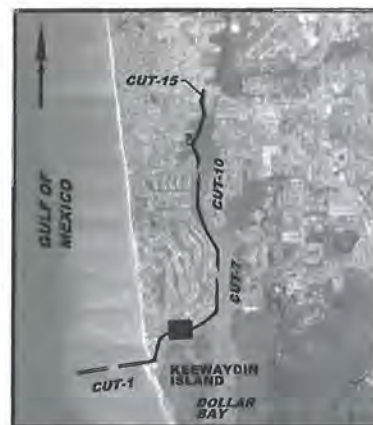
DWN BY:	J.D.B.
DSN BY:	J.D.B.
CKD BY:	R.I.M.

PLATE:
7



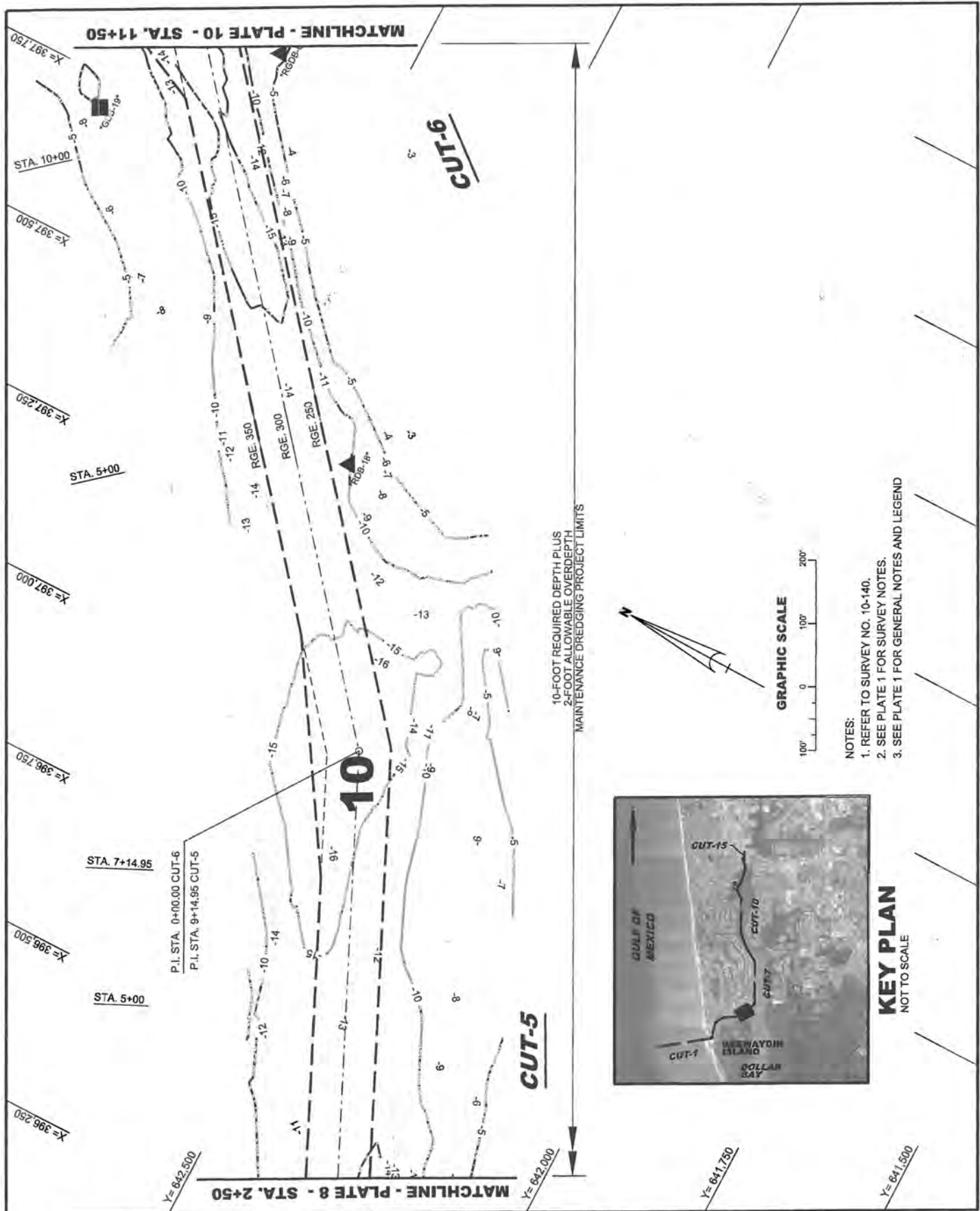
- NOTES:
1. REFER TO SURVEY NO. 10-140.
 2. SEE PLATE 1 FOR SURVEY NOTES.
 3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND.

KEY PLAN
NOT TO SCALE



US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION) DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	FILE NAME: NAPLESFY12-C-PL-08.DGN	DWN BY: J.D.B.	NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT CUT-4 TO CUT-5 STA. 0+50 (CUT-4) - STA. 2+50 (CUT-5)	PLATE: 8
		DATED: MAY 2012	DSN BY: J.D.B.		
		SCALE: AS SHOWN	CKD BY: R.I.M.		OF 14

PERMIT # 176979006



US Army Corps
of Engineers
Jacksonville District

PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)

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

FILE NAME:	NAPLESFY12-C-PL-09.DGN
DATED:	MAY 2012
SCALE:	AS SHOWN

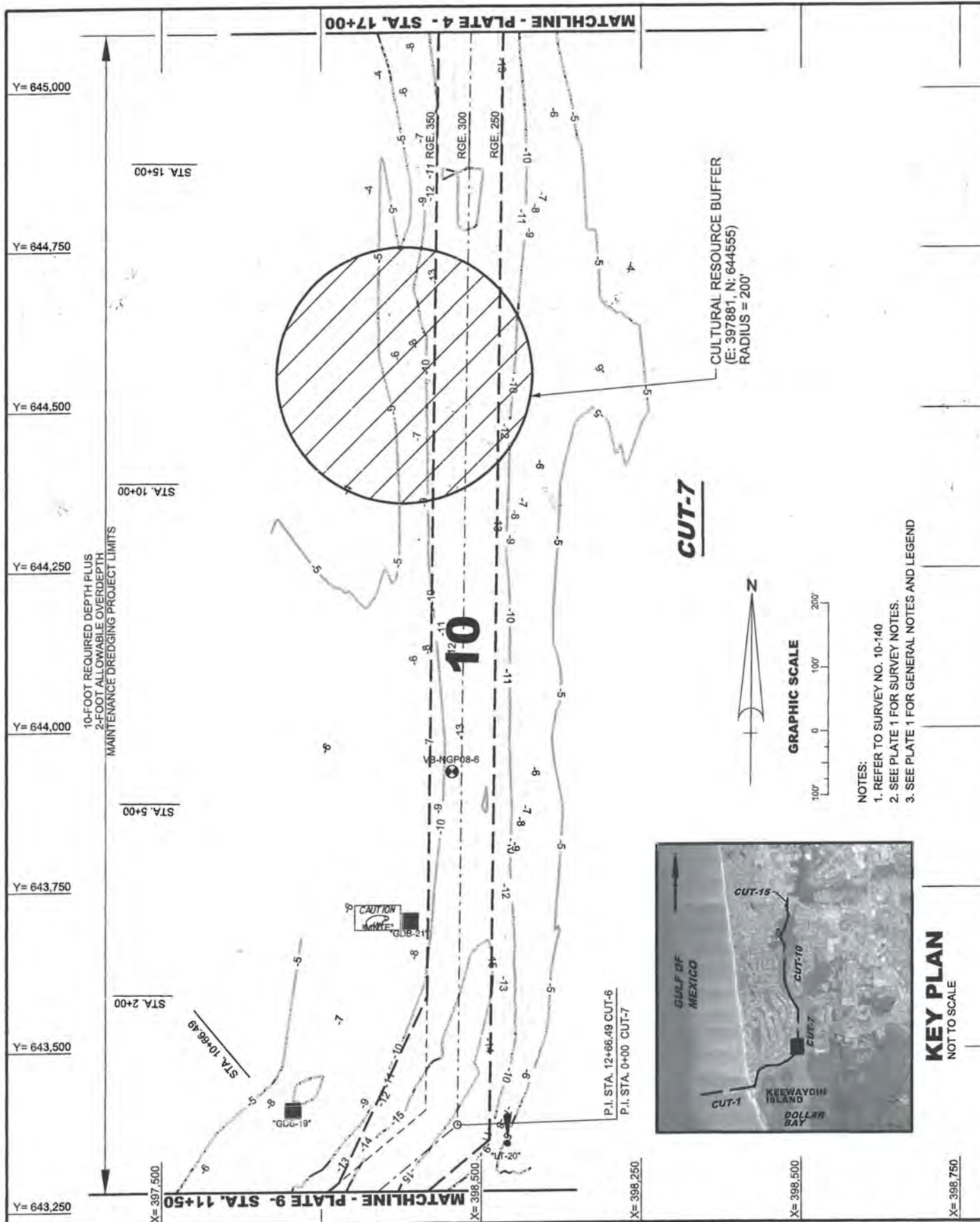
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DSN BY:	J.D.B.
CKD BY:	R.I.M.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

**MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT**

**CUT-5 TO CUT-6
STA. 2+50 (CUT-5) - STA. 11+50 (CUT-6)**

PLATE:
9

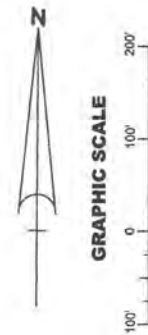
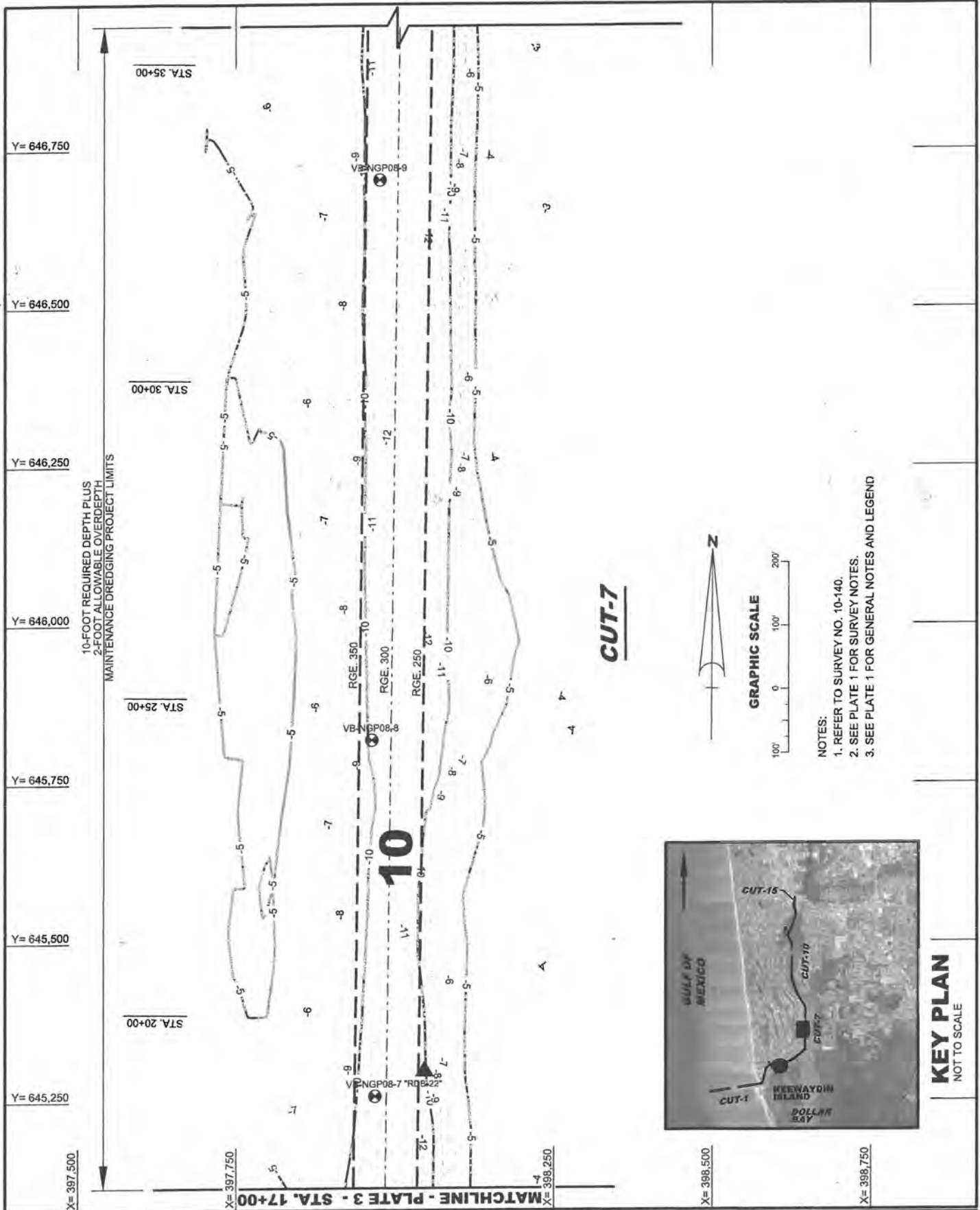


- NOTES:
1. REFER TO SURVEY NO. 10-140
 2. SEE PLATE 1 FOR SURVEY NOTES.
 3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

KEY PLAN
NOT TO SCALE

US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION) DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	FILE NAME: NAPLESFY12-C-PL-10.DGN DATED: MAY 2012 SCALE: AS SHOWN	DWN BY: J.D.B. DSN BY: J.D.B. CKD BY: R.I.M.	NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT CUT-6 TO CUT-7 STA. 11+50 (CUT-6) - STA. 17+00 (CUT-7)	PLATE: 10 OF 14
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PERMIT # 176979006



- NOTES:
1. REFER TO SURVEY NO. 10-140.
 2. SEE PLATE 1 FOR SURVEY NOTES.
 3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND



KEY PLAN
NOT TO SCALE



PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)

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

FILE NAME:
NAPLESFY12-C-PL-11.DGN

DATED:
MAY 2012

SCALE:
AS SHOWN

DWN BY:
J.D.B.

DSN BY:
J.D.B.

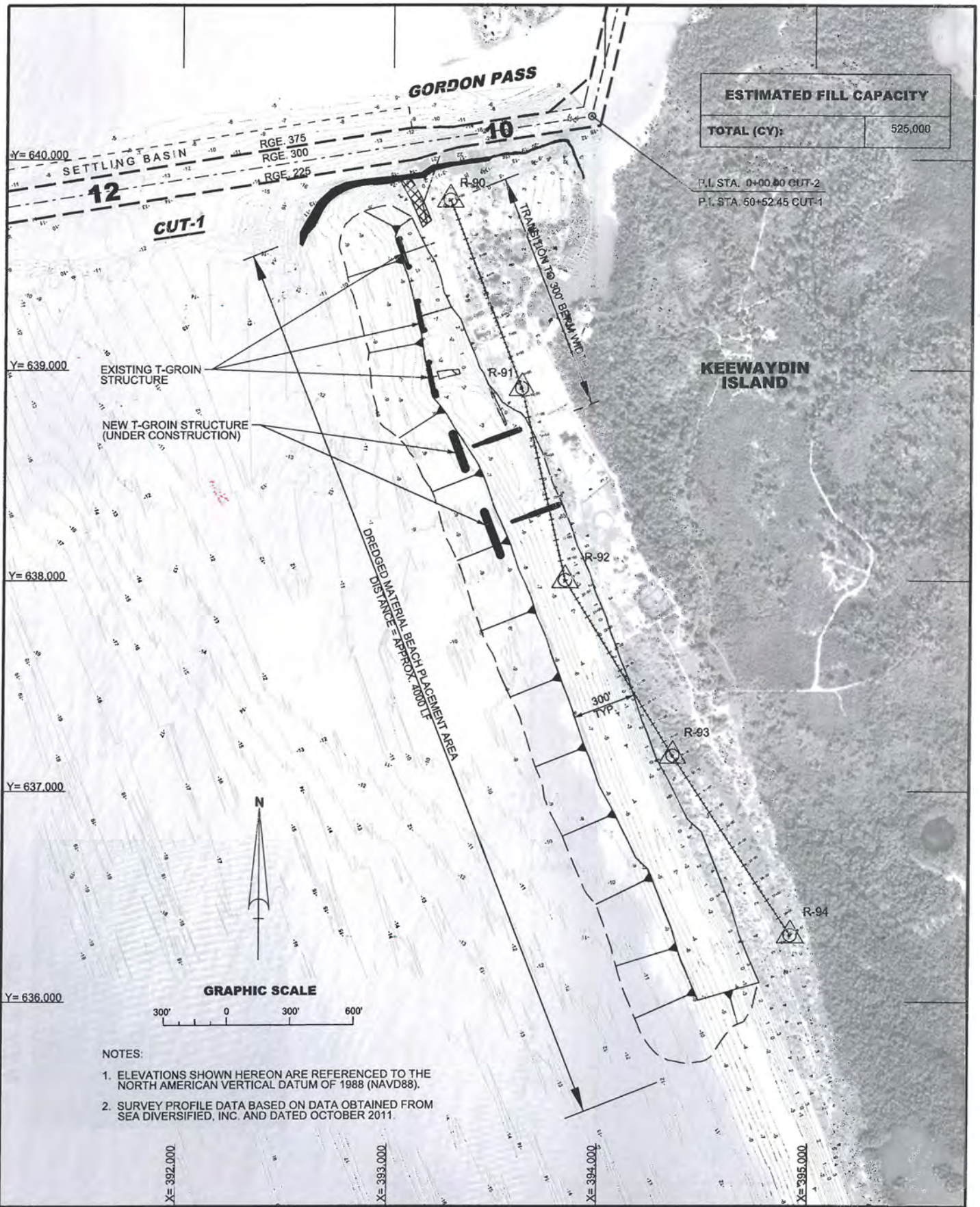
CKD BY:
R.I.M.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT

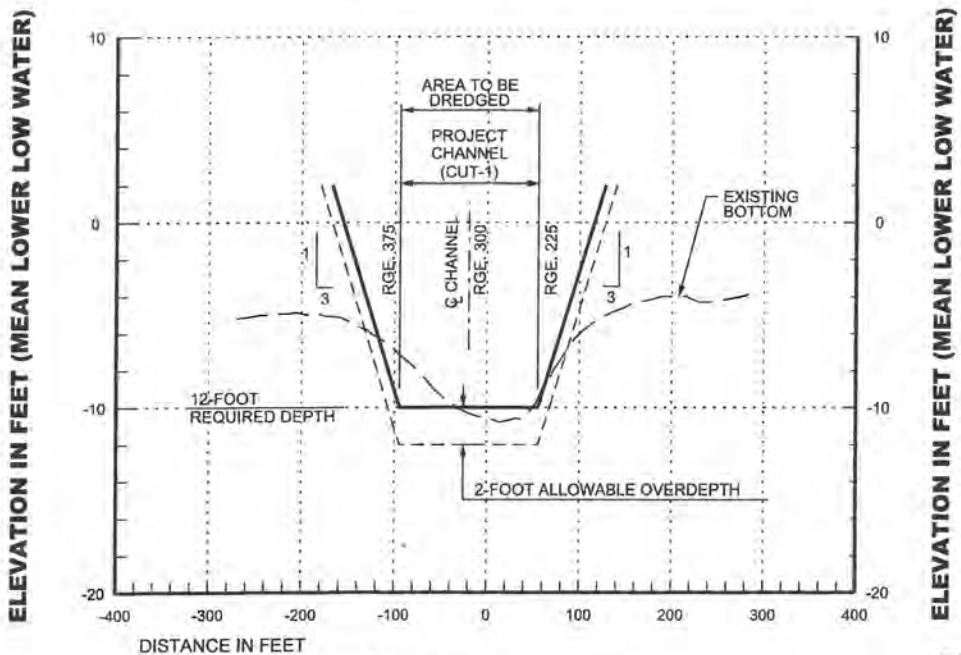
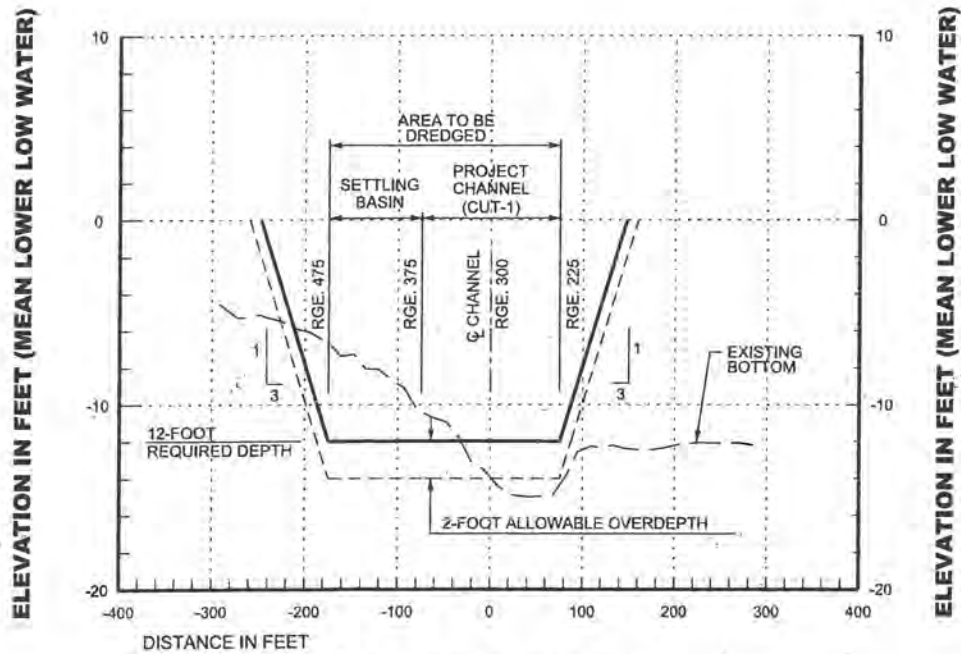
CUT-7
STA. 17+00 - STA. 36+00

PLATE:
11



US Army Corps of Engineers Jacksonville District	PERMIT DRAWINGS (NOT FOR CONSTRUCTION) DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	FILE NAME: NAPLESFY12-C-PL-13.DGN DATED: MAY 2012 SCALE: AS SHOWN	DWN BY: J.D.B. DSN BY: J.D.B. CKD BY: R.I.M.	NAPLES TO GORDON PASS (CUT-1 TO CUT-8) COLLIER COUNTY, FL MAINTENANCE DREDGING 10-FT AND 12-FOOT PROJECT DREDGED MATERIAL BEACH PLACEMENT AREA	PLATE: 12 OF 14
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PERMIT # 176979006



GRAPHIC SCALE "A"



GRAPHIC SCALE "B"



- NOTES:
1. REFER TO SURVEY NO. 08-130 & 11-021.
 2. SEE PLATE 3 & 6 FOR SURVEY NOTES.



PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)

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

FILE NAME:
NAPLESFY12-C-PL-14.DGN

DATED:
MAY 2012

SCALE:
AS SHOWN

DWN BY:
J.D.B.

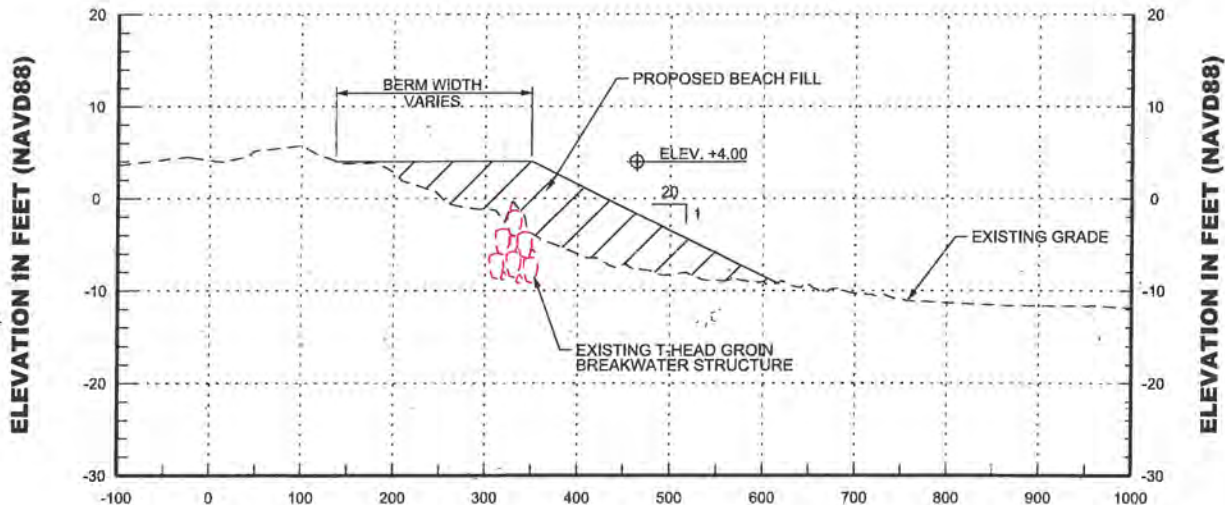
DSN BY:
J.D.B.

CKD BY:
R.I.M.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

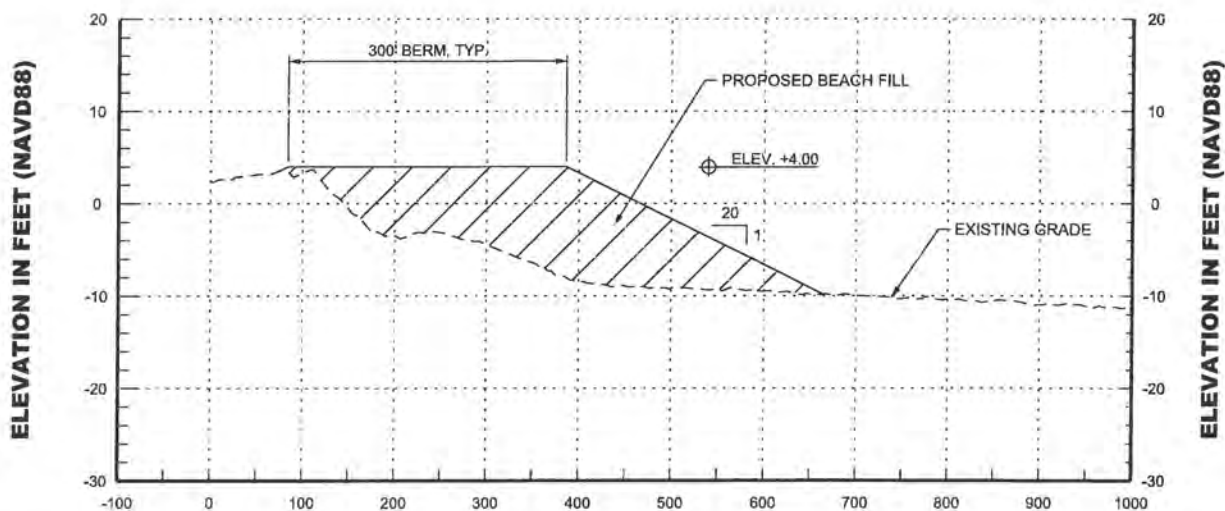
MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT
TYPICAL CROSS SECTIONS

PLATE:
13



STA. 5+00 - BETWEEN R-90 & R-91

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



STA. 30+00 - VICINITY OF R-93

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

GRAPHIC SCALE "A"



GRAPHIC SCALE "B"



RECEIVED

APR 18 2013

**DIVISION OF WATER
RESOURCE MANAGEMENT**

PERMIT # 176979006



US Army Corps
of Engineers
Jacksonville District

**PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)**

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

FILE NAME:

NAPLESFY12-C-PL-15.DGN

DATED:

MAY 2012

SCALE:

AS SHOWN

OWN BY:

J.D.B.

DSN BY:

J.D.B.

CKD BY:

R.I.M.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

**MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT
TYPICAL BEACH FILL
CROSS SECTIONS**

PLATE:

14

OF 14