



KEY WEST HARBOR MONROE COUNTY, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 AND 34-FOOT PROJECT

LEGEND	
	BENCHMARK
	LIGHTED BEACON
	GREEN DAY BEACON
	RED DAY BEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

SURVEY NOTES

- REFER TO SURVEY NO. 12-201.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYBRID KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "KEYWEST_07JAN2011.KTD".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- 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.
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:
NOAA TIDAL STATION 872-4580, KEY WEST, FLORIDA
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:
REFERENCE BASE LOCATED AT "104-04" (PID: 88C6F03)
TIDE STAFF LOCATED FROM "4680 C 1992"
- VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 4800 INTERFEROMETRIC SYSTEM OPERATING AT 230 KHZ AND A ROSS SMARTSOUNDER DUAL-FREQUENCY 28200 KHZ SINGLE-BEAM DEPTH SOUNDER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

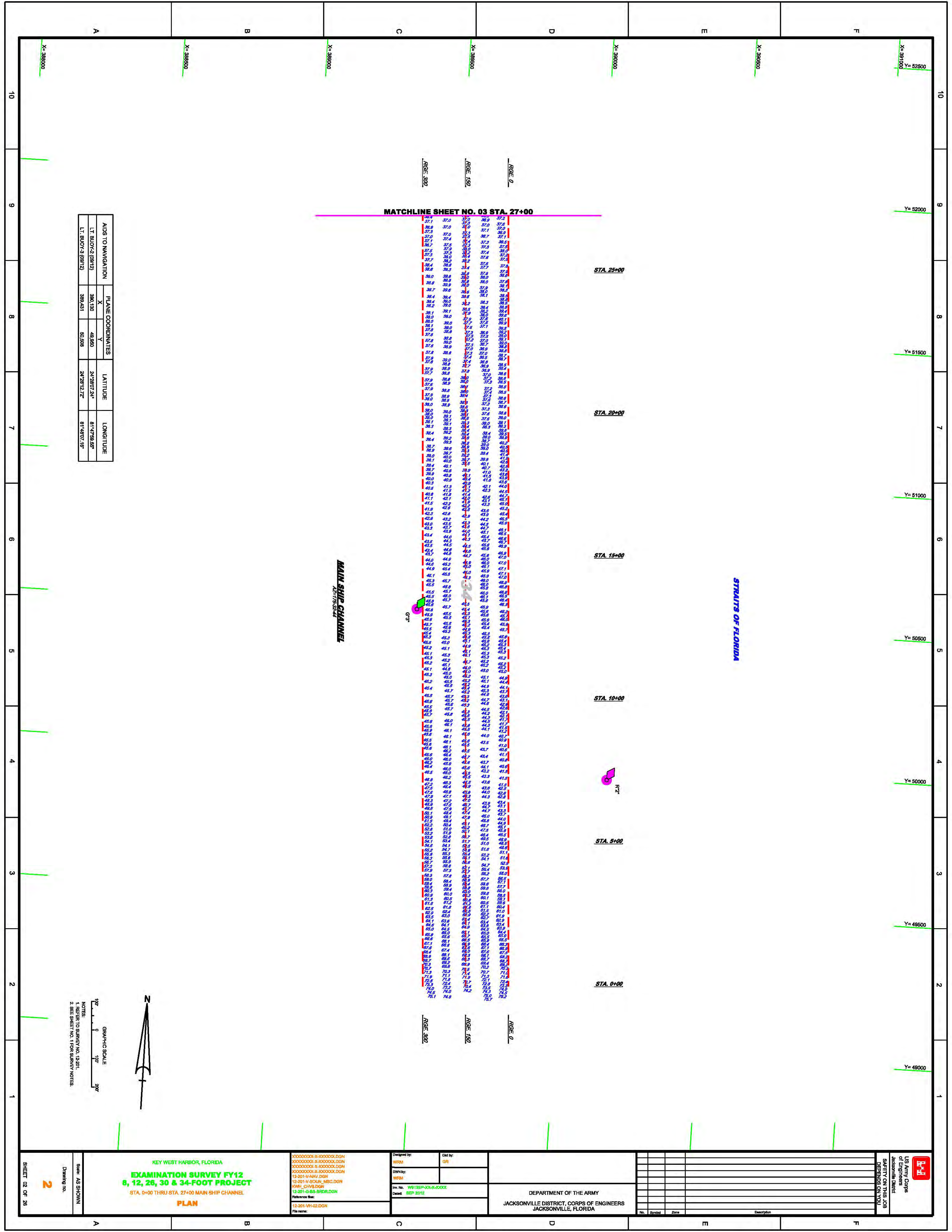
VESSEL	DATE OF SURVEY	CUT
SB-32	08-07 SEP 2012	CUT-A, CUT-B, CUT-C, TRUMAN HBR, KEY WEST BIGHT CUTS, MAN-O-WAR CUTS 1-2, KEY WEST TB, USCG SLIPS, GARRISON BIGHT CUTS 1 THRU TURNING BASIN MAIN SHIPPING CHANNEL.
SB-32	08-09 SEP 2012	
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF 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.
- 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.

US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

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

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
8, 12, 26, 30 & 34-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN
Drawing no. 1
SHEET 01 OF 26



AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
LT. BUOY-2 (09/12)	X	Y			
	380,130	49,950	24°28'07.24"	81°47'59.55"	
LT. BUOY-3 (09/12)	389,431	50,208	24°28'12.72"	81°48'07.18"	

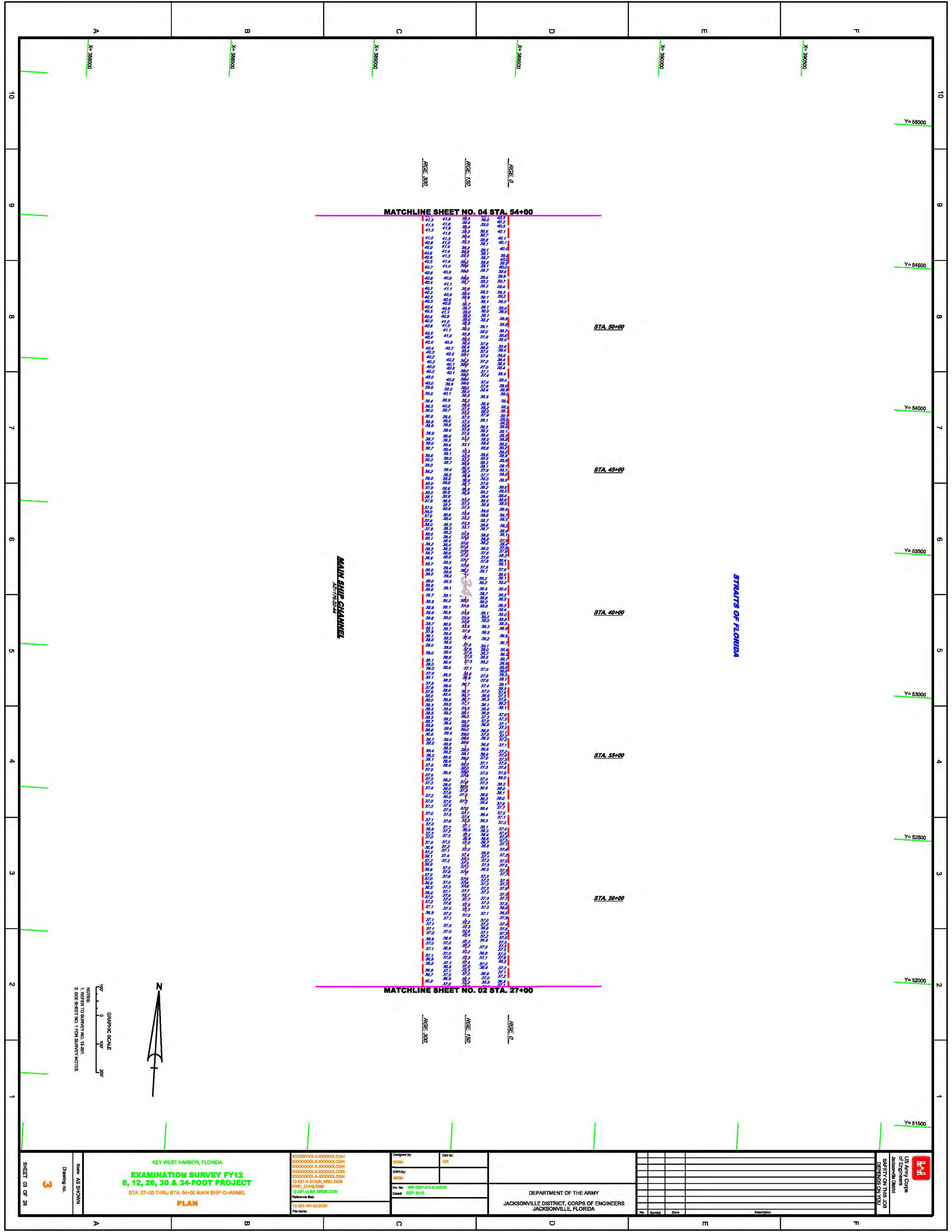
GRAPHIC SCALE

100' 0' 100' 200'

NOTES:
 1. REFER TO SURVEY NO. 13201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 & 34-FOOT PROJECT STA. 0+00 THRU STA. 27+00 MAIN SHIP CHANNEL PLAN		Designed by: WFM DWN by: WFM Inv No: W9126P-000-00000 Date: SEP 2012	Checked by: GR Dept: SEP 2012	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU
SHEET 02 OF 26		Reference Base: 12-201-VH-02.DGN File name:			

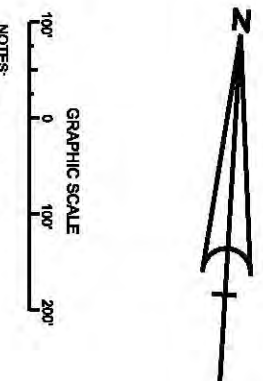


MATCHLINE SHEET NO. 04 STA. 54+00

MATCHLINE SHEET NO. 02 STA. 27+00

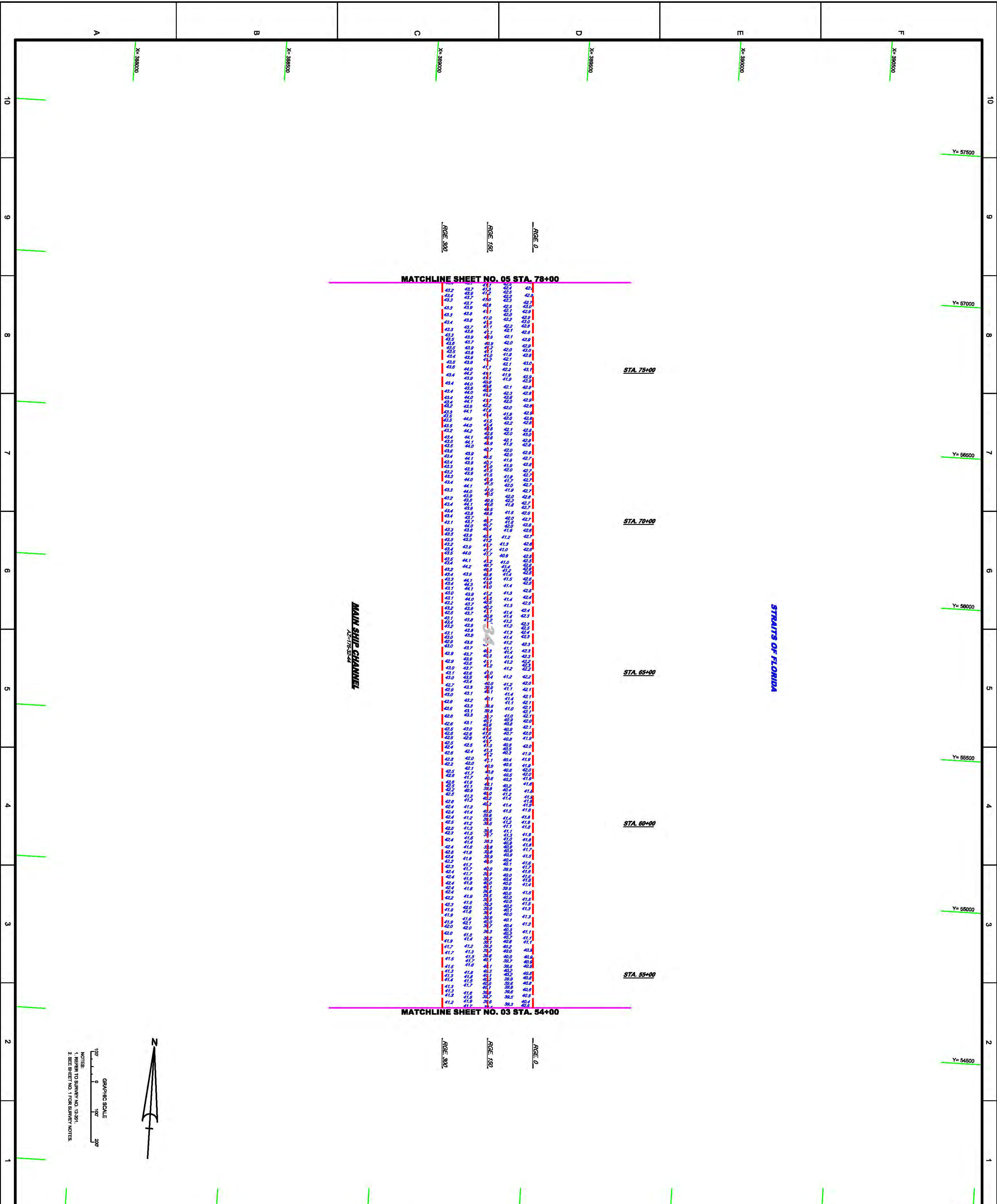
MAIN SHIP CHANNEL
42+17.5-54+00

STRAITS OF FLORIDA



GRAPHIC SCALE
1" = 200'
NOTES:
1. REFER TO SURVEY NO. 12301
2. SEE SHEET NO. 1 FOR SURVEY NOTES

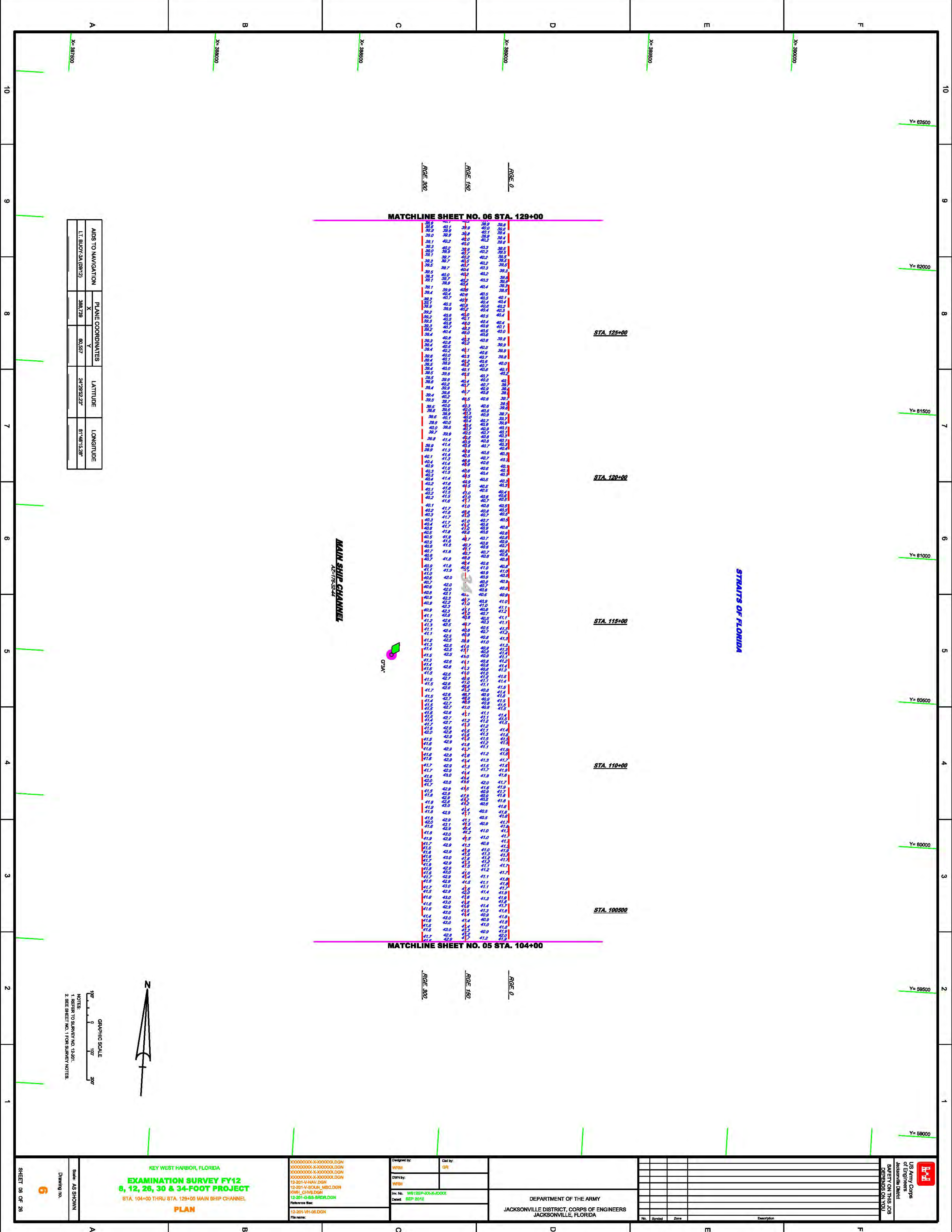
SHEET 03 OF 26 3	KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 & 34-FOOT PROJECT STA. 27+00 THRU STA. 54+00 MAIN SHIP CHANNEL PLAN	00000000-0-000000.DGN 00000000-0-000000.DGN 00000000-0-000000.DGN 00000000-0-000000.DGN 00000000-0-000000.DGN 12-2011-VH-03.DGN File name:	Designed by: WFM DWN by: WFM Inv No: W912EP-004-0000 Date: SEP 2012	Ctd by: GR	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	<table border="1"> <tr> <th>No.</th> <th>Symbol</th> <th>Zone</th> <th>Description</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Symbol	Zone	Description																					US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU
		No.	Symbol	Zone			Description																								
Drawing no. Scale: AS SHOWN	Reference file: 12-2011-VH-03.DGN	Reference file: 12-2011-VH-03.DGN																													



GRAPHIC SCALE
 0 100' 200'
 NOTES:
 1. REFER TO SURVEY NO. 13491
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



SHEET 04 OF 26 State AS SHOWN Drawing no. 4	KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 & 34-FOOT PROJECT STA. 54+00 THRU STA. 78+00 MAIN SHIP CHANNEL PLAN	X:\00000000\3-000000\dgn X:\00000000\3-000000\dgn X:\00000000\3-000000\dgn X:\00000000\3-000000\dgn X:\00000000\3-000000\dgn X:\2813-SOURCE_MSD\dgn KWHI_CHVL\dgn 12-2011-0-03-8RDRL\dgn Reference Bsc: 12-2011-VH-04.DGN File name:	Designed by: WFM	DWN by: WFM	Inv. No. W8128P-004-00000 Desc: SEP 2012	Cld by: GR	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	<table border="1"> <thead> <tr> <th>No.</th> <th>Symbol</th> <th>Zone</th> <th>Description</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Symbol	Zone	Description																	<table border="1"> <thead> <tr> <th colspan="2">US Army Corps of Engineers</th> </tr> <tr> <th colspan="2">Jacksonville District</th> </tr> <tr> <th colspan="2">SAFETY ON THIS JOB DEPENDS ON YOU</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	US Army Corps of Engineers		Jacksonville District		SAFETY ON THIS JOB DEPENDS ON YOU							
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US Army Corps of Engineers																																									
Jacksonville District																																									
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AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
LT BUOY 34 (091°12)		X	384738	24°29'22"	81°44'13.28"
		Y	81557		

MATCHLINE SHEET NO. 06 STA. 129+00

MATCHLINE SHEET NO. 05 STA. 104+00

MAIN SHIP CHANNEL
42°15'34"

STRAITS OF FLORIDA



GRAPHIC SCALE
100' 0' 100' 200'
NOTES:
1. REFER TO SURVEY NO. 13201.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

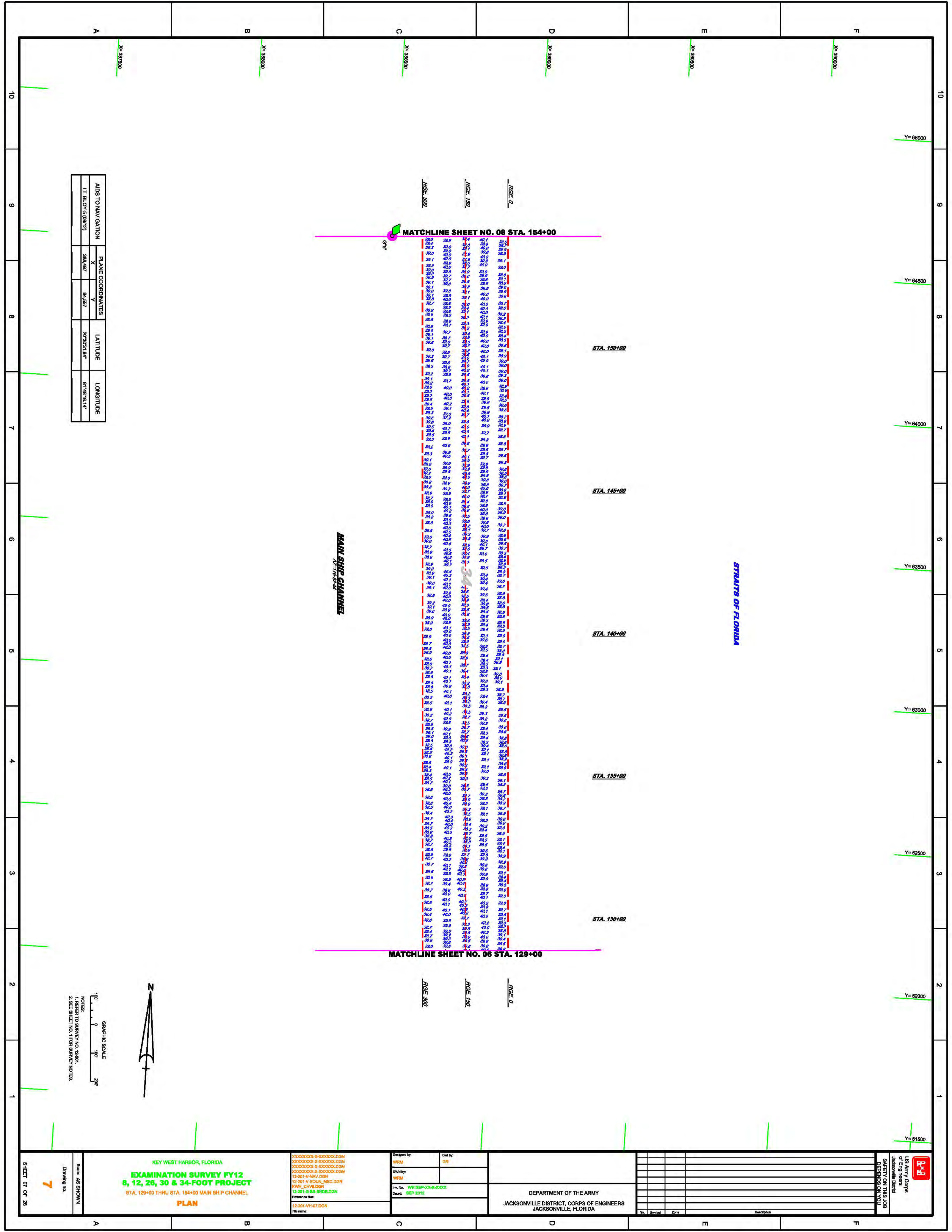
KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
8, 12, 26, 30 & 34-FOOT PROJECT
STA. 104+00 THRU STA. 125+00 MAIN SHIP CHANNEL
PLAN

Designed by: WFM	Clad by: GR
DWN by: WFM	
Inv No: WB125P-004-0000X Date: SEP 2012	

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

No.	Symbol	Zone	Description

US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

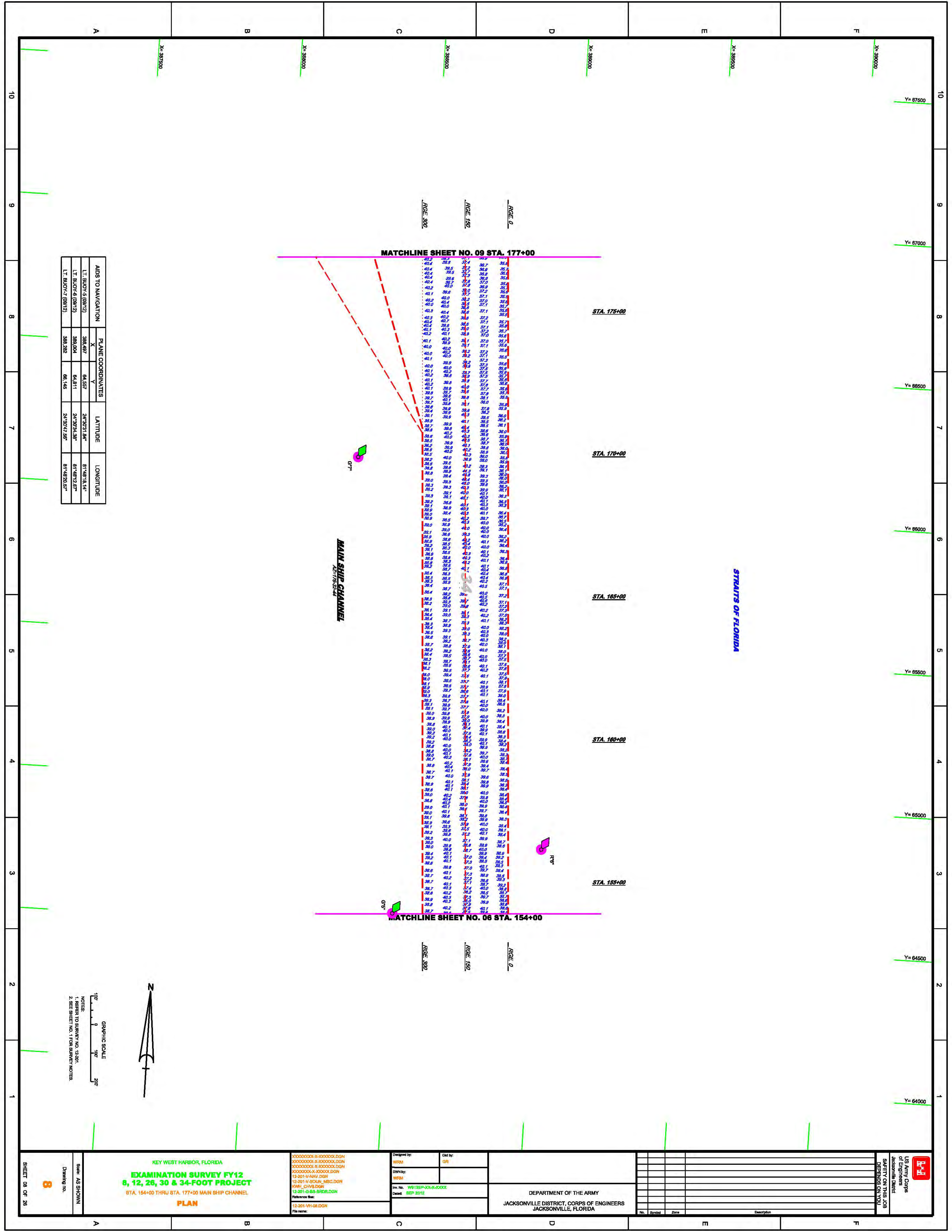


AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
LT. BUOY'S (08/12)	X	Y			
	398.497	84.557	20°32'31.84"	81°48'18.14"	

GRAPHIC SCALE
 1" = 20'
 0 10' 20'
 NOTES:
 1. REFER TO SURVEY NO. 12-201
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 & 34-FOOT PROJECT STA. 129+00 THRU STA. 154+00 MAIN SHIP CHANNEL PLAN	00000000-0-000000.DGN 00000000-3-000000.DGN 00000000-6-000000.DGN 00000000-X-000000.DGN 12-201-V-NAV.DGN 12-201-V-SOUNDING.MXD.DGN KWH_CNVLDGN 12-201-G-88-880RLDGN Reference Base: 12-201-VH-07.DGN File name:	Designed by: WFM DWN by: WFM Inv. No: W9128P-000-00000 Date: SEP 2012	Ctd by: GR DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	No. Symbol Zone Description	US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU
	SHEET 07 OF 26	Drawing no. AS SHOWN	7	7	7



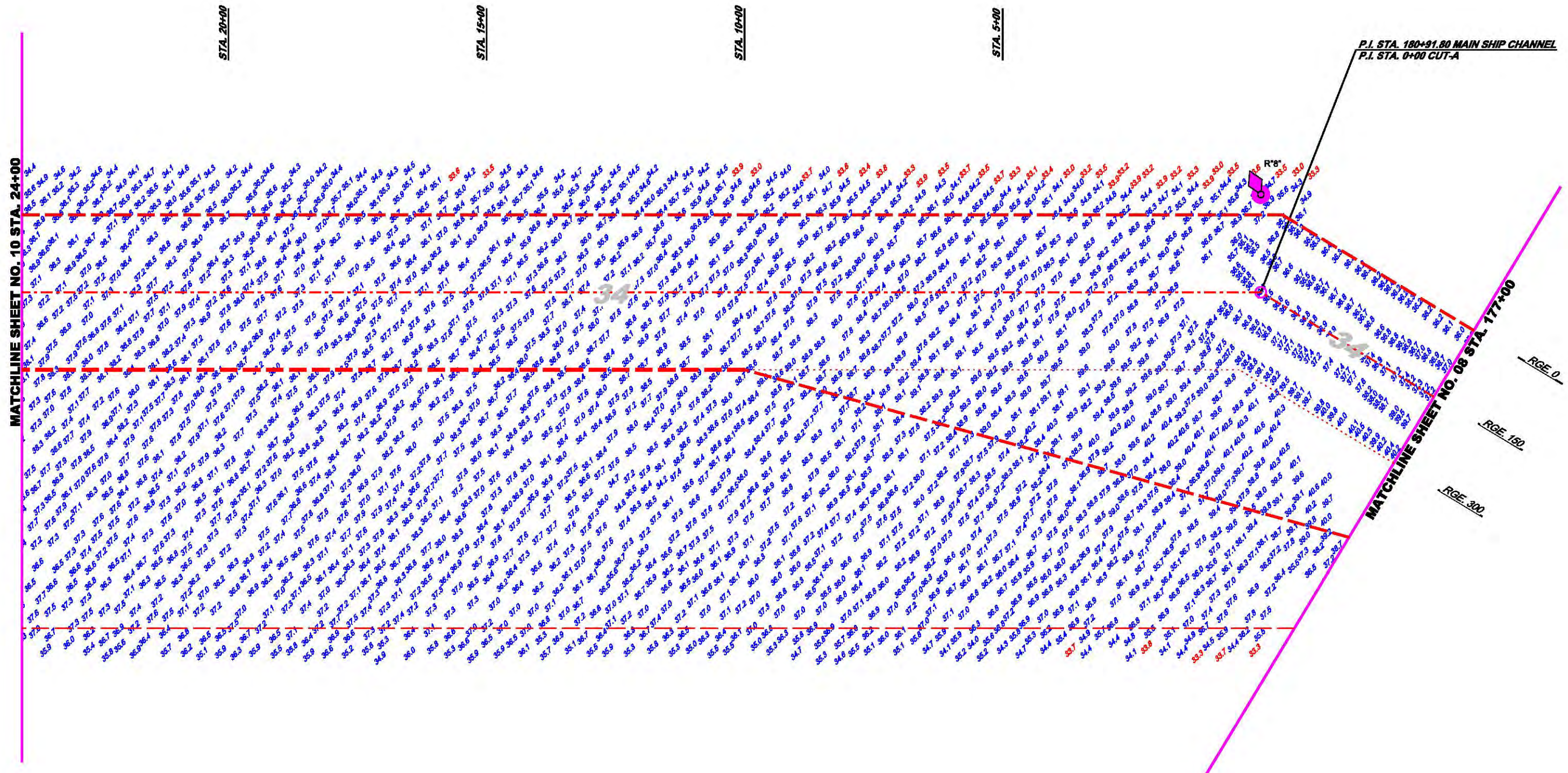
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
L.T. BUOY-5 (09/12)	388,487	64,557	24°30'31.84"	81°48'18.14"
L.T. BUOY-6 (09/12)	389,004	64,811	24°30'34.38"	81°48'12.67"
L.T. BUOY-7 (09/12)	388,282	66,145	24°30'47.85"	81°48'20.67"

GRAPHIC SCALE
 1" = 200'
 NOTES:
 1. REFER TO SURVEY NO. 13201
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 8, 12, 26, 30 & 34-FOOT PROJECT STA. 154+00 THRU STA. 177+00 MAIN SHIP CHANNEL PLAN	00000000-0-000000.DGN 00000000-3-000000.DGN 00000000-6-000000.DGN 00000000-X-000000.DGN 13-2011-V-NAV.DGN 13-2011-V-COULR_HBD.DGN KWI_CHVB.DGN 12-2011-G-88-SHDLR.DGN Reference Base: 12-2011-VH-08.DGN File name:	Designed by: WFM DWN by: WFM Inv. No.: W913EP-000-0-0000 Date: SEP 2012	Cnd by: GR DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	<table border="1"> <tr> <th>No.</th> <th>Symbol</th> <th>Zone</th> <th>Description</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Symbol	Zone	Description													US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU
	No.	Symbol	Zone	Description																	
SHEET 08 OF 26	Drawing no.	State: AS SHOWN	8	0	0																

STRAITS OF FLORIDA



MATCHLINE SHEET NO. 10 STA. 24+00

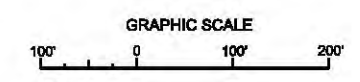
P.I. STA. 180+91.80 MAIN SHIP CHANNEL
P.I. STA. 0+00 CUT-A

MATCHLINE SHEET NO. 09 STA. 177+00

CUT-A
AZ-145-25-11

MAIN SHIP CHANNEL
AZ-175-25-1

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-8 (06/12)	388,748	87,365	24°30'59.87"	81°48'15.63"



NOTES:
1. REFER TO SURVEY NO. 12-201.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Key West Harbor, Florida
EXAMINATION SURVEY FY12
8, 12, 28, 30 & 34-FOOT PROJECT
STA. 177+00 MAIN SHIP CHANNEL THRU STA. 24+00 CUT-A
PLAN

Scale: AS SHOWN
Drawing no. 9
SHEET 09 OF 26

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
PLAN
 STA. 24+00 THRU STA. 50+00 CUT-A

Reference No.	12301-WH-10-BN
Reference No.	12301-088-601M-00N
Reference No.	09M1-01-WH-DGN
Reference No.	09M1-04-001M-01A-DGN
Reference No.	0000000-K-000000-DGN
Reference No.	0000000-K-000000-DGN
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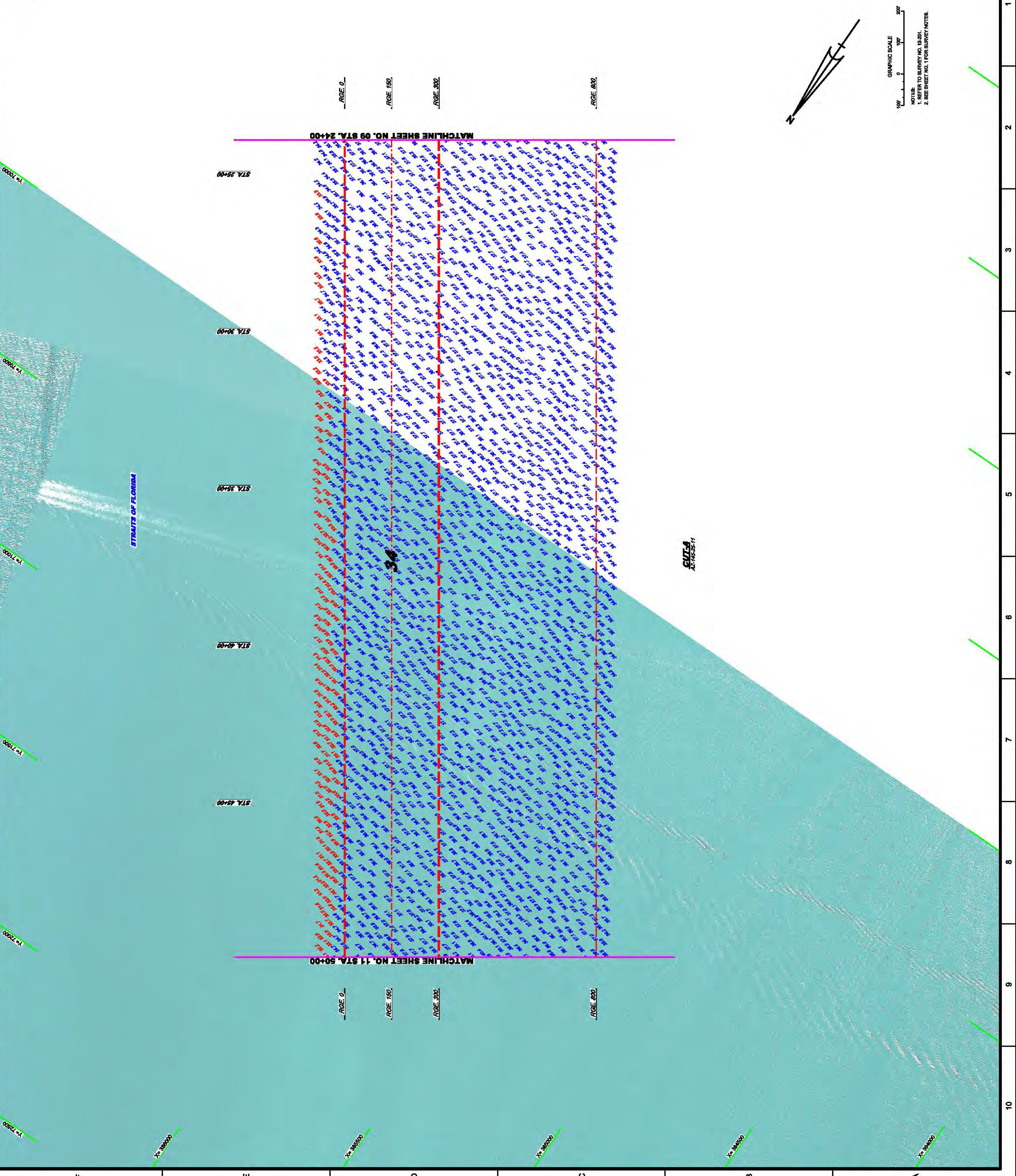
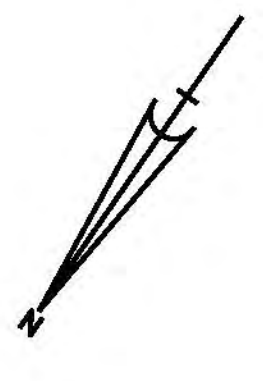
Design No.	W2125R-K-K-0000
Drawn By	W2125R-K-K-0000
Checked By	W2125R-K-K-0000
Date	SEP 2012
Design No.	091
Drawn By	091
Checked By	091
Date	

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

No.	Revised	Description

US Army Corps of Engineers
 Jacksonville District
 SAFETY ON THIS JOB
 DEPENDS ON YOU

GRAPHIC SCALE
 0 100 200
 NOTES:
 1. REFER TO SURVEY NO. 12-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



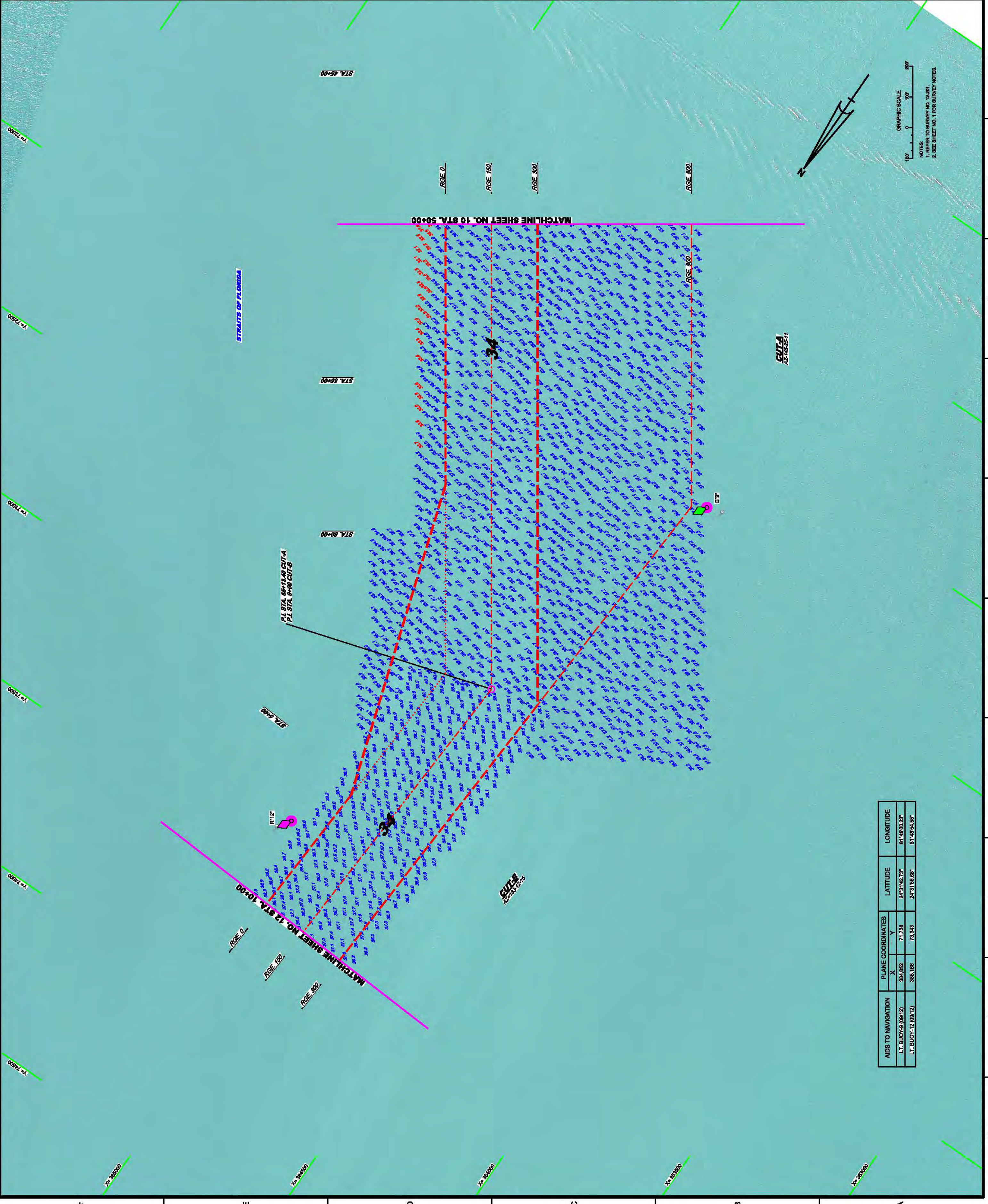
1 2 3 4 5 6 7 8 9 10
 F E D C B A

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
PLAN
STA. 50+00 CUT-A THRU STA. 10+00 CUT-B

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

Drawn by	W2125RJK-K0000K
Checked by	W2125RJK-K0000K
Scale	AS SHOWN
Date	08/12/12
Project No.	1201-14-1-0000
Sheet No.	11
Drawn by	W2125RJK-K0000K
Checked by	W2125RJK-K0000K
Scale	AS SHOWN
Date	08/12/12
Project No.	1201-14-1-0000
Sheet No.	11

Drawn by	W2125RJK-K0000K
Checked by	W2125RJK-K0000K
Scale	AS SHOWN
Date	08/12/12
Project No.	1201-14-1-0000
Sheet No.	11
Drawn by	W2125RJK-K0000K
Checked by	W2125RJK-K0000K
Scale	AS SHOWN
Date	08/12/12
Project No.	1201-14-1-0000
Sheet No.	11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-9 (08412)	354,652	71,738	24°51'42.73"	81°46'00.23"
LT. BUOY-12 (08412)	346,186	73,343	24°51'168.08"	81°46'54.65"

10 9 8 7 6 5 4 3 2 1

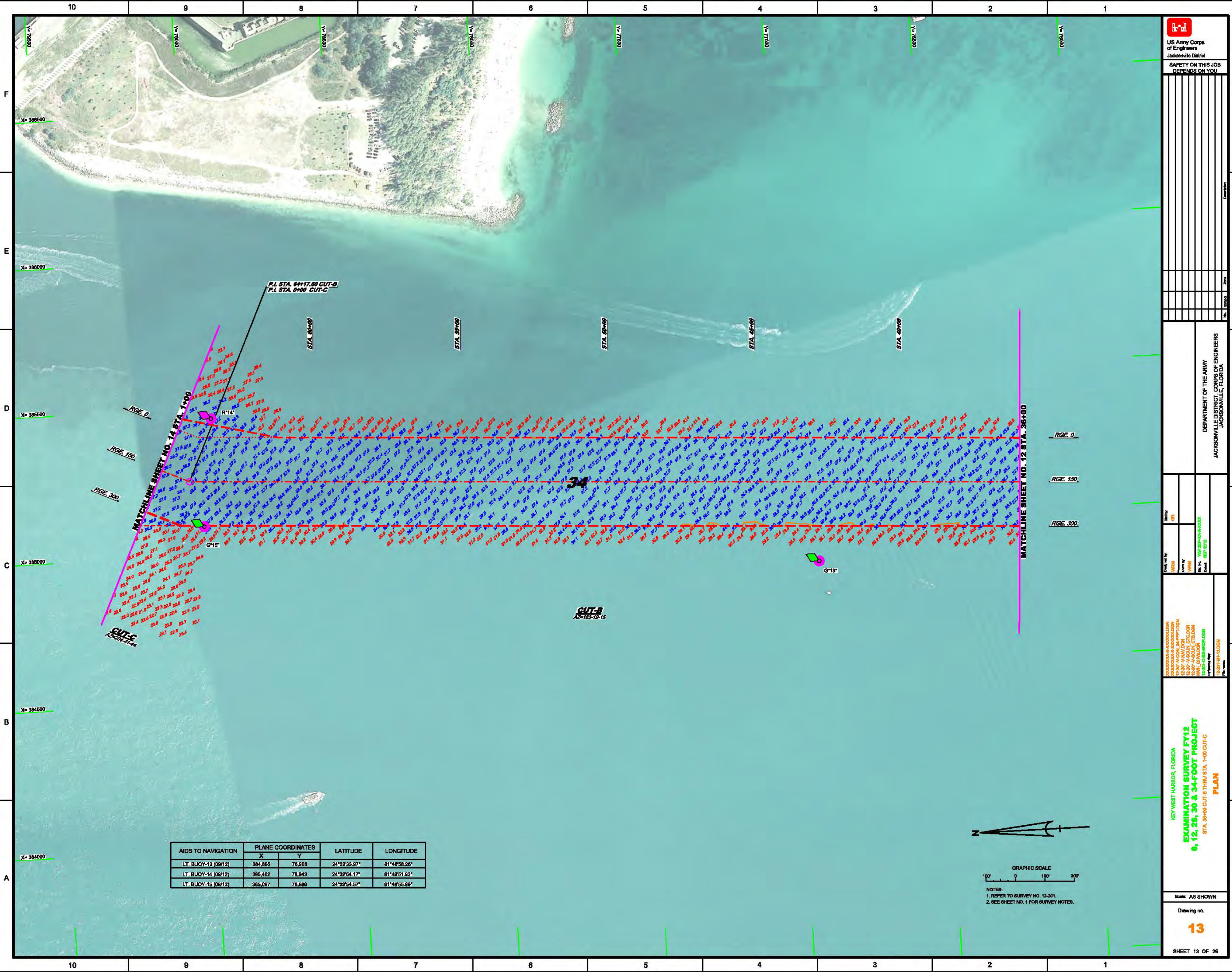
F E D C B A

X= 80000 X= 82000 X= 84000 X= 86000 X= 88000

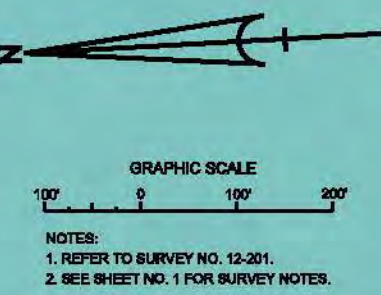


US Army Corps of Engineers
 Jacksonville District
 Jacksonville, Florida

SAFETY ON THIS JOB
 DEPENDS ON YOU



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-13 (09/12)	384,885	76,908	24°32'33.97"	81°46'58.26"
LT. BUOY-14 (09/12)	385,482	78,943	24°32'54.17"	81°46'51.93"
LT. BUOY-15 (09/12)	385,097	78,886	24°32'54.57"	81°46'55.89"

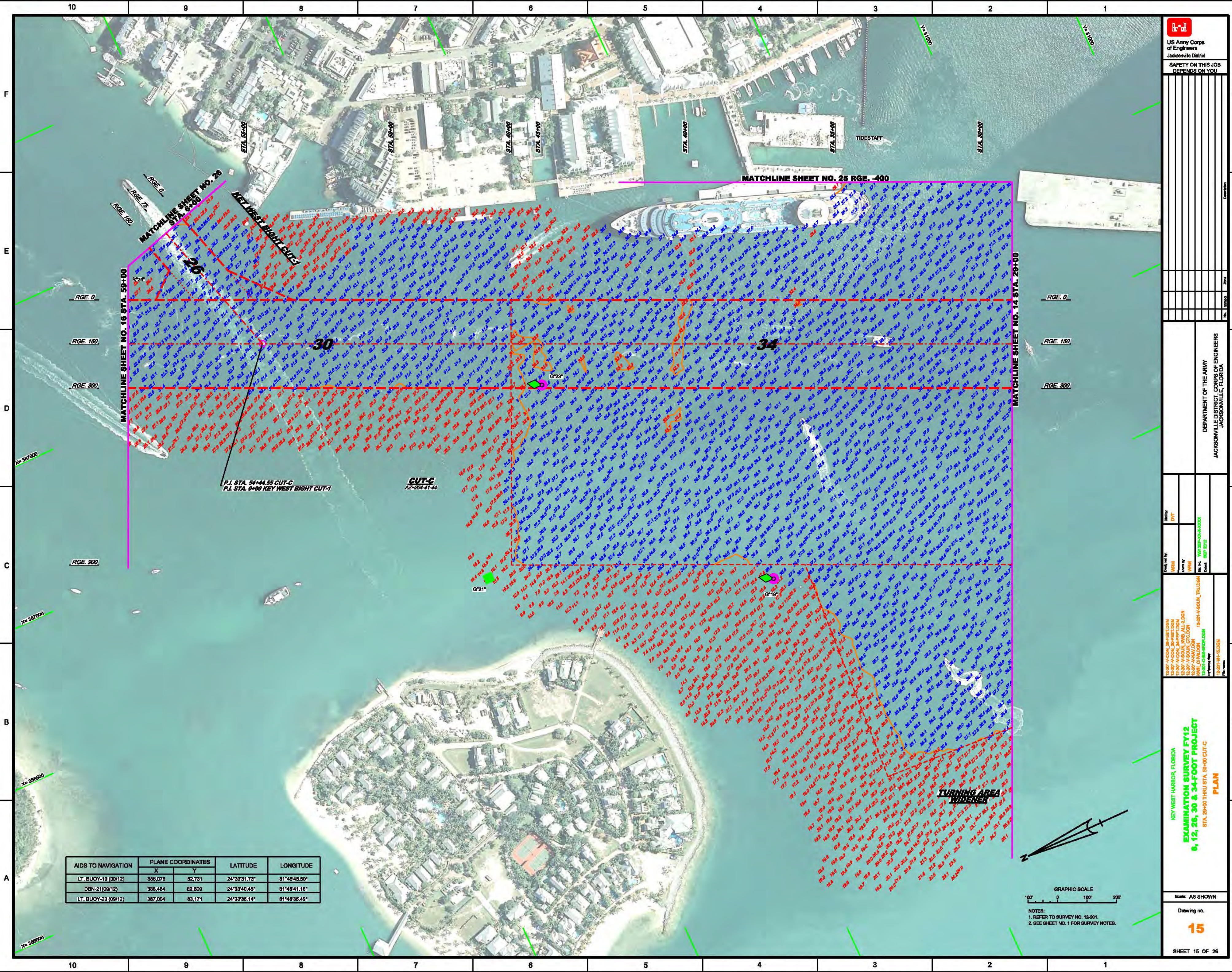


US Army Corps of Engineers
 Jacksonville District
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DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
 STA. 36+00 CUT-B THRU STA. 1+00 CUT-C
PLAN

Scale: AS SHOWN
 Drawing no.
13
 SHEET 13 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-19 (09/12)	389,078	82,731	24°33'31.73"	81°48'45.50"
DBN-21(06/12)	386,484	82,609	24°33'40.45"	81°48'41.16"
LT. BUOY-23 (09/12)	387,004	83,171	24°33'36.14"	81°48'36.49"



NOTES:
 1. REFER TO SURVEY NO. 13-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
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DEPARTMENT OF THE ARMY
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 JACKSONVILLE, FLORIDA

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
 STA. 29+00 THRU STA. 39+00 CUT-C
PLAN

Scale: AS SHOWN

Drawing no.
15

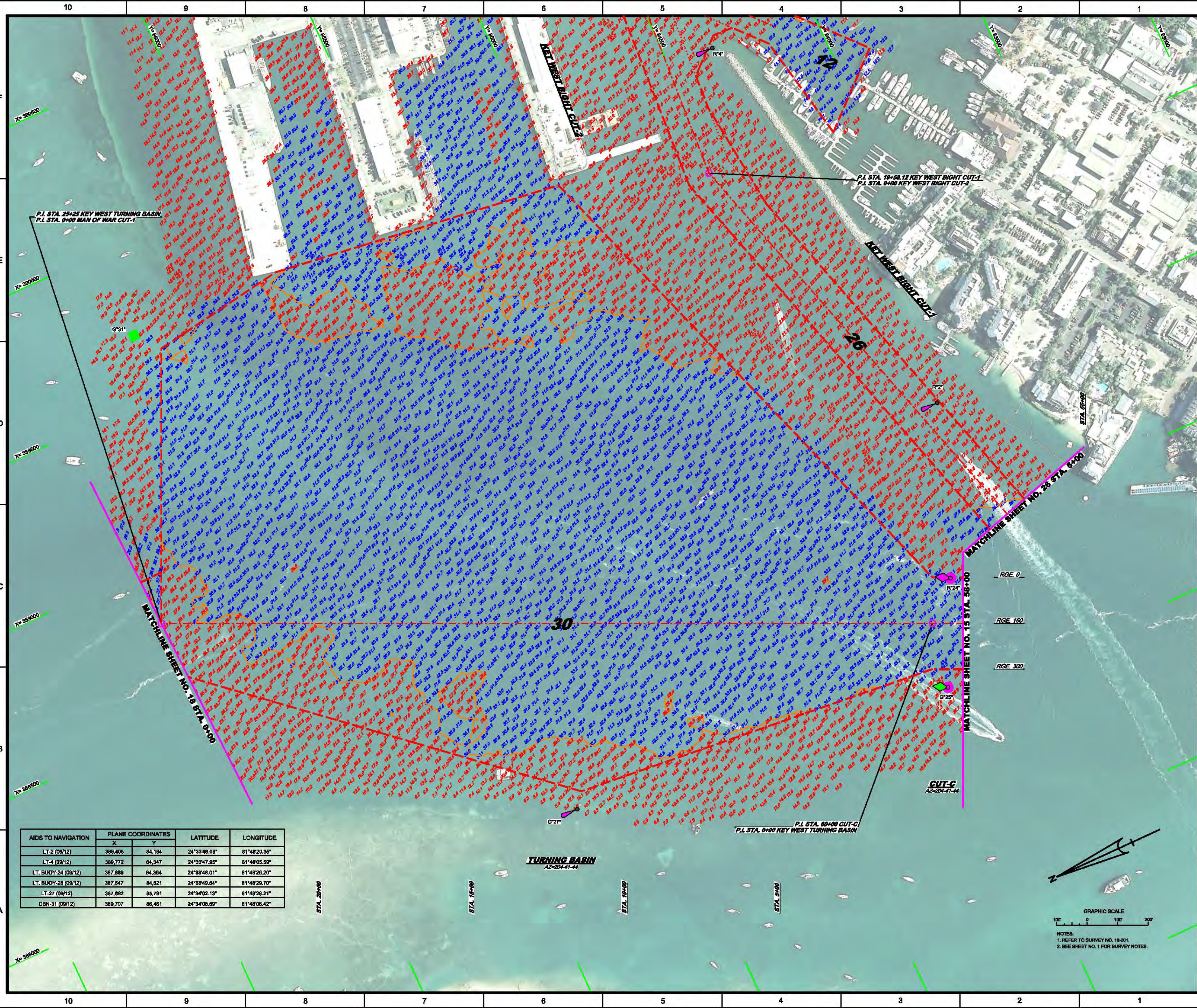
SHEET 15 OF 26

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JACKSONVILLE, FLORIDA

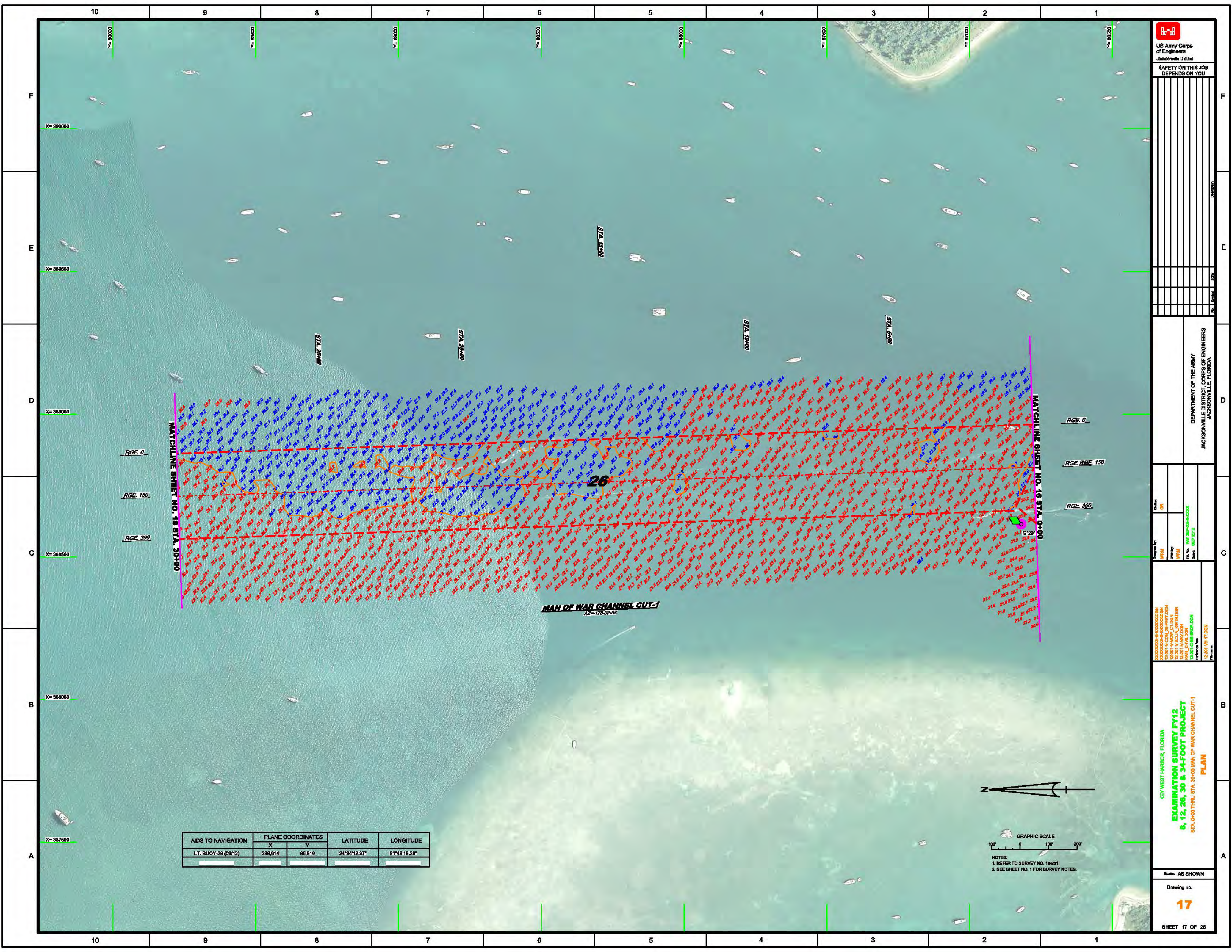
KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
STA. 09+00 CUT-C THRU STA. 26+25 KEY WEST TURNING BASIN
PLAN

Scale: AS SHOWN
Drawing no. **16**
SHEET 16 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-2 (09/12)	388,406	84,184	24°33'46.08"	81°48'20.35"
LT-4 (09/12)	386,772	84,347	24°33'47.85"	81°48'05.59"
LT. BUOY-24 (09/12)	387,869	84,364	24°33'48.01"	81°48'26.20"
LT. BUOY-26 (09/12)	387,547	84,521	24°33'49.54"	81°48'29.70"
LT-27 (09/12)	387,662	85,791	24°34'02.13"	81°48'28.21"
DBN-31 (09/12)	389,707	86,481	24°34'08.89"	81°48'06.42"





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-23 (0912)	389,814	86,819	24°34'12.37"	81°48'18.28"



NOTES:
 1. REFER TO SURVEY NO. 18-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

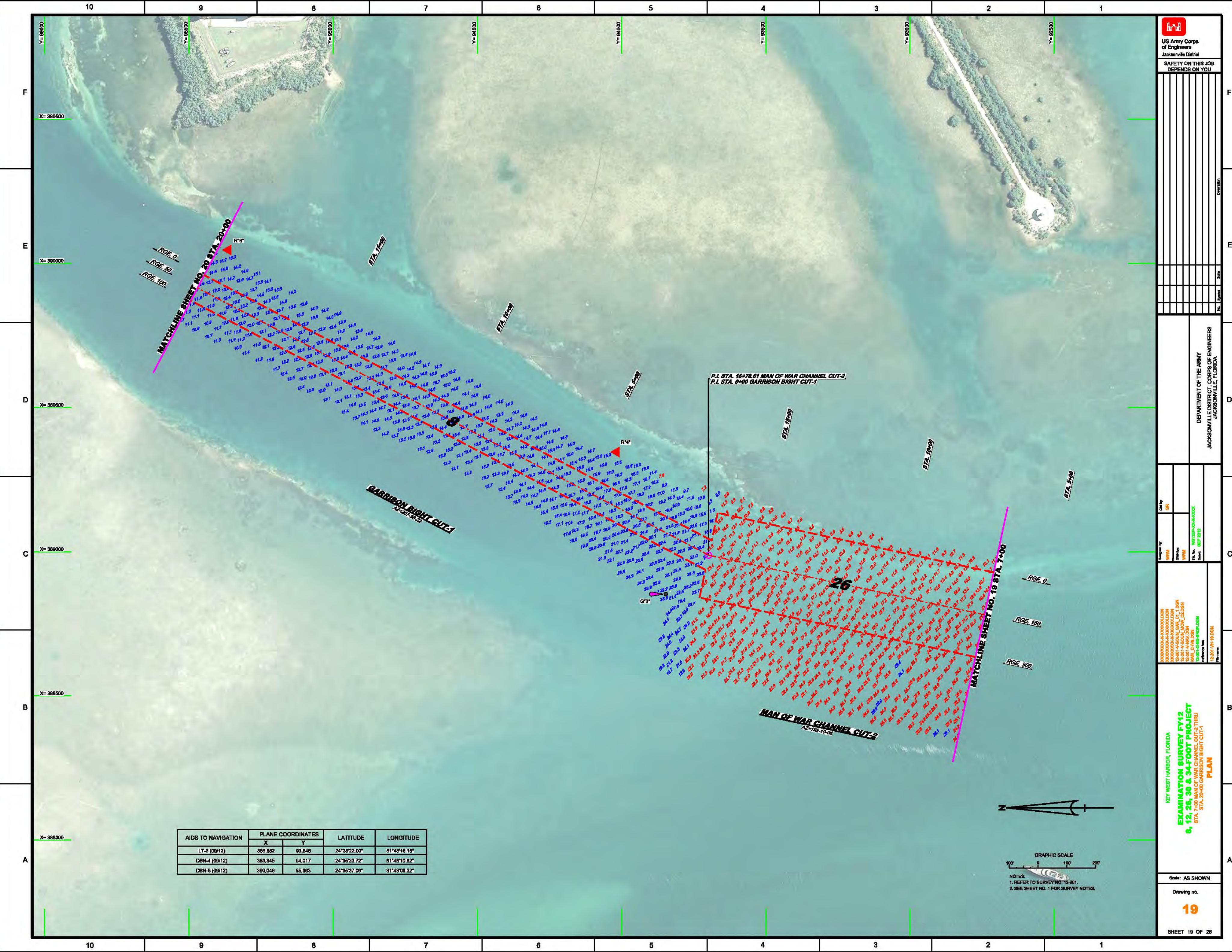
US Army Corps of Engineers
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DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
 STA. 0+00 THRU STA. 30+00 MAN OF WAR CHANNEL CUT-1
PLAN

Scale: AS SHOWN
 Drawing no.
17

SHEET 17 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (06/12)	388,852	93,846	24°35'22.00"	81°48'16.15"
DBN-4 (09/12)	388,345	84,017	24°35'23.72"	81°48'10.82"
DBN-6 (09/12)	390,046	95,363	24°36'37.09"	81°48'03.32"



NOTES:
 1. REFER TO SURVEY NO. 12-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
 Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU

<p style="text-align: center;">DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA</p>	<p>Checked by: GRL</p> <p>Drawn by: WRM</p> <p>Scale: AS SHOWN</p> <p>Drawing no. 19</p> <p>SHEET 19 OF 26</p>
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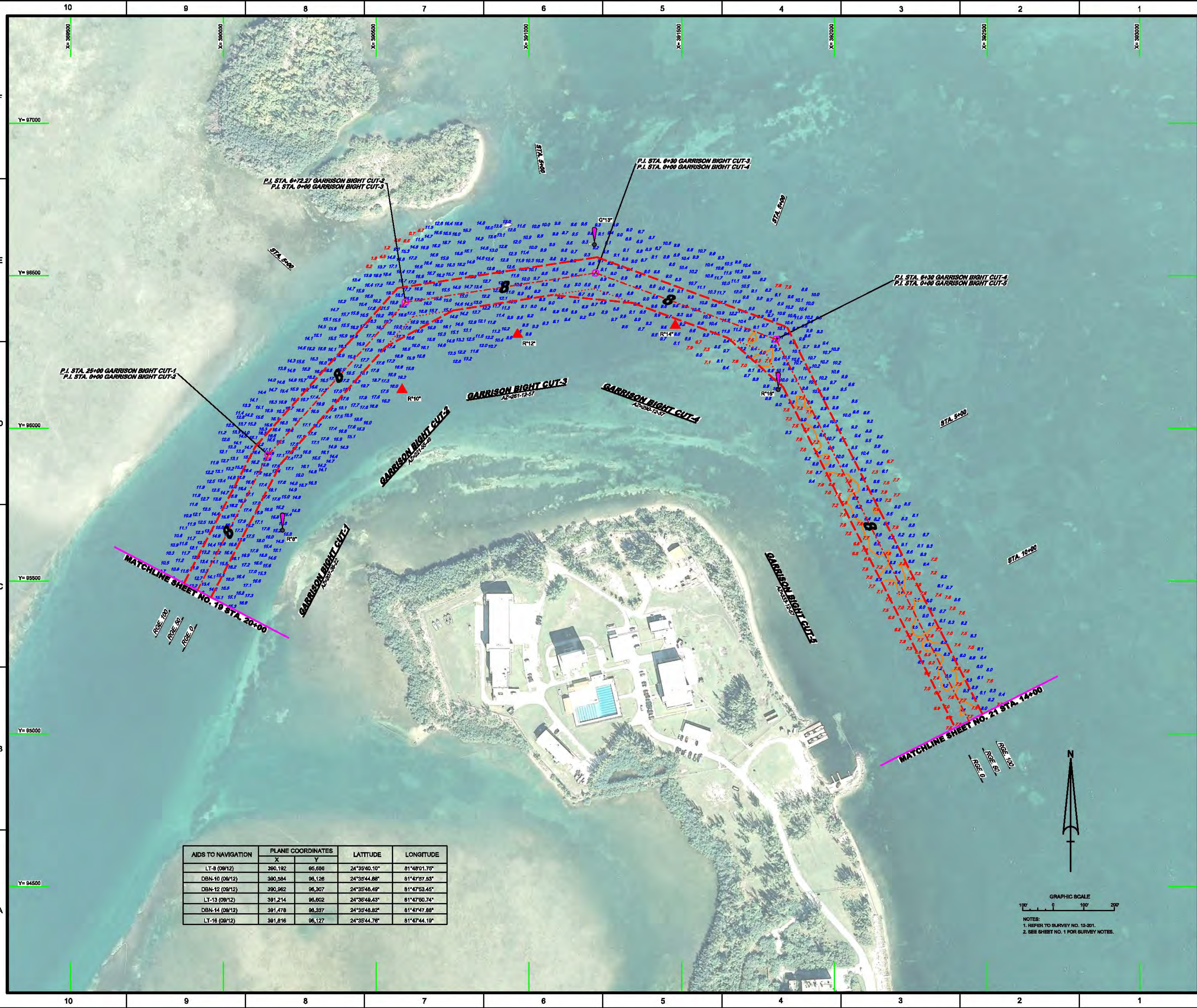
KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
 STA. 7400 MAN OF WAR CHANNEL CUT-2 THRU STA. 2040 GARRISON BIGHT CUT-1
PLAN

US Army Corps of Engineers
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

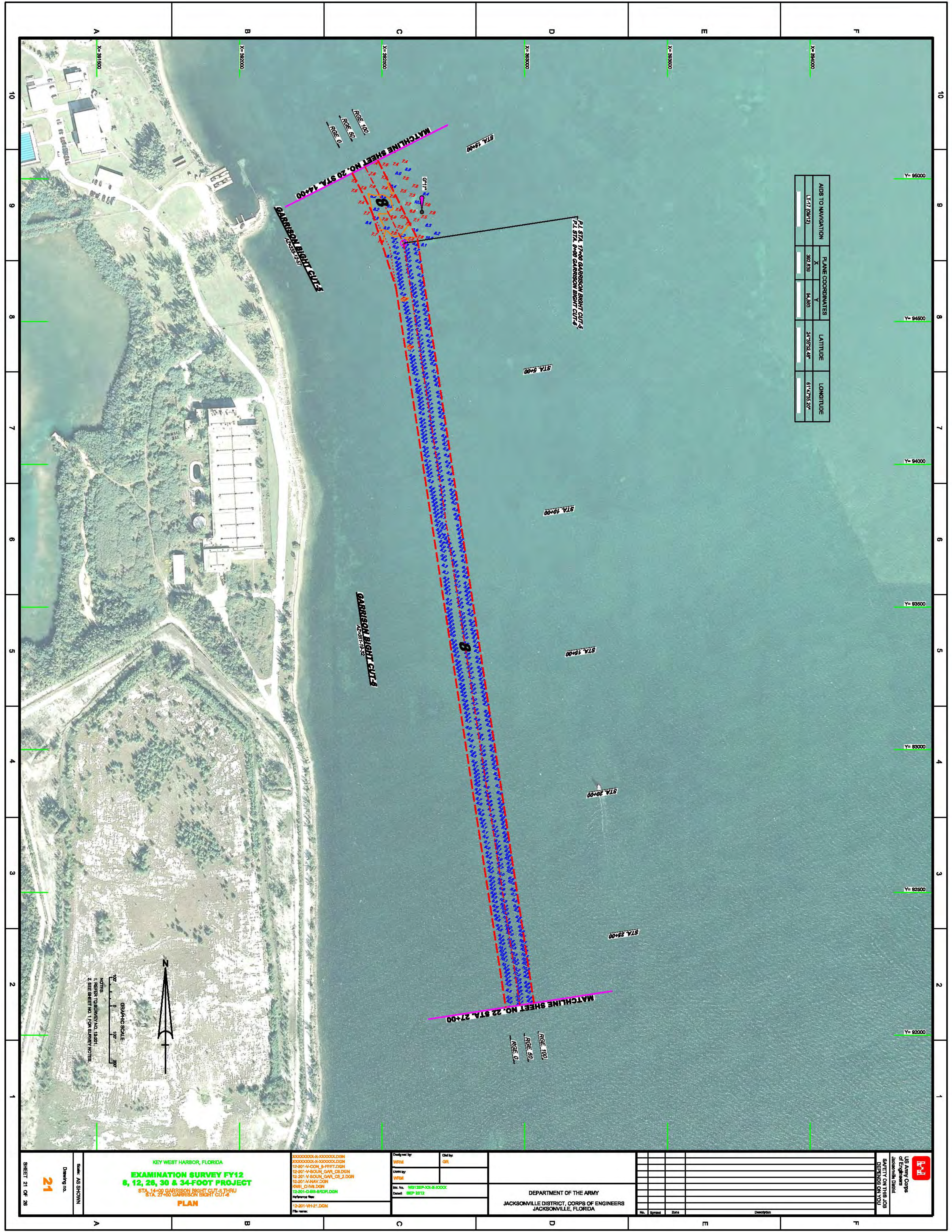
KEY WEST HARBOR, FLORIDA
**EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT**
STA. 20+00 GARRISON BIGHT CUTS
PLAN

Scale: AS SHOWN
Drawing no.
20
SHEET 20 OF 26

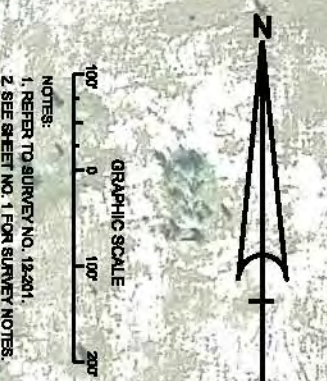


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-8 (08/12)	390,192	95,698	24°39'40.10"	81°48'01.75"
DBN-10 (08/12)	390,584	96,126	24°39'44.88"	81°47'57.53"
DBN-12 (08/12)	390,962	96,302	24°39'48.49"	81°47'53.45"
LT-13 (08/12)	391,214	96,802	24°39'49.43"	81°47'50.74"
DBN-14 (08/12)	391,478	96,397	24°39'48.82"	81°47'47.88"
LT-16 (08/12)	391,816	96,127	24°39'44.76"	81°47'44.19"

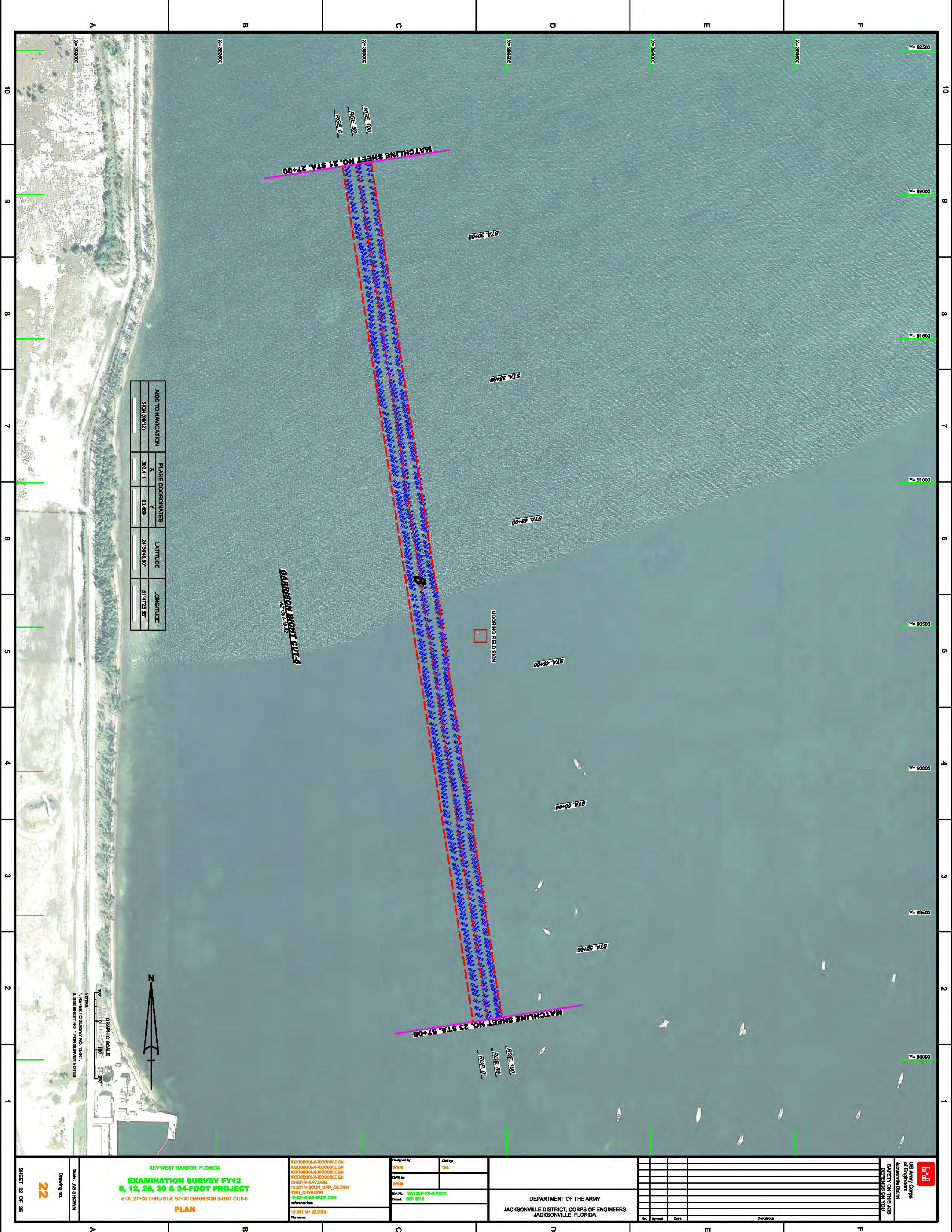




AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
L-17 (DAY)	X	Y			
	382,639	94,883	24°32'4.48"	81°47'55.20"	



SHEET 21 OF 28 21 Drawing no. AS SHOWN	KEY WEST HARBOR, FLORIDA EXAMINATION SURVEY FY12 6, 12, 26, 30 & 34-FOOT PROJECT STA. 14+00 GARRISON RIGHT CUT-S THRU STA. 27+00 GARRISON RIGHT CUT-S PLAN	000000000-0-0000000.DGN 000000000-0-0000000.DGN 12-201-0-000-0-FRUIT.DGN 12-201-0-800-0-GAPL_CS.DGN 12-201-0-800-0-GAPL_CS_2.DGN 12-201-0-800-0-NAV.DGN 12-201-0-800-0-NAV.DGN 12-201-0-800-0-NAV.DGN	Drawn by: WFM Check by: GR Date: SEP 2012	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	No. Symbol Zone Description
		Reference File: 12-201-VH-21.DGN File name:	US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU		



AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
SIGN	DATE	X	Y		
382	12/11	382,711	80,488	21°34'48.60"	81°47'28.58"

NOTES:
 1. REFER TO SURVEY NO. 13281.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

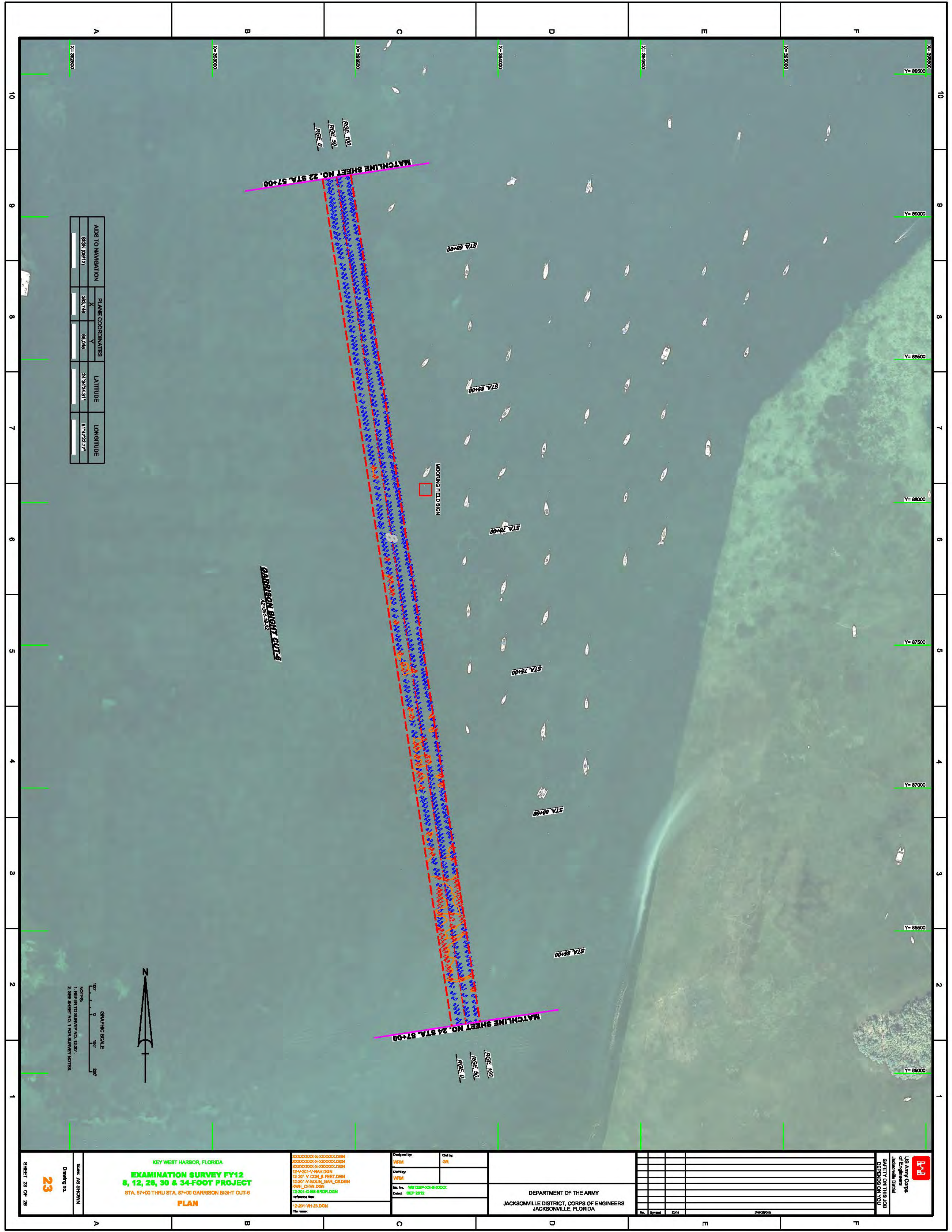
KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
 STA. 27+00 THRU STA. 57+00 GARRISON BIGHT CUT-8
PLAN

00000000-0-000000.DGN
 00000000-0-000000.DGN
 00000000-0-000000.DGN
 00000000-0-000000.DGN
 12-2011-V-NAV.DGN
 12-2011-V-COASTL_OARL_06.DGN
 12-2011-V-VAL.DGN
 12-2011-Q-888-8888.DGN

Designed by:	WFM	Chk by:	QR
DRAWN by:	WFM		
Rev. No.:	100128P-100-1-0000		
Drawn:	SEP 2212		

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

No.	Symbol	Zone	Description



MATCHLINE SHEET NO. 22 STA. 57+00

MATCHLINE SHEET NO. 24 STA. 87+00

GARRISON BIGHT CUT
12-0871-10-12

MOORING FIELD SIGN

STA. 69+00

STA. 69+50

STA. 70+00

STA. 75+00

STA. 80+00

STA. 85+00

RGE. 100
RGE. 50
RGE. 0

RGE. 100
RGE. 50
RGE. 0

AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
SIGN (08/12)	X	Y			
	383746	68045	24°32'24.51"	81°47'22.71"	

GRAPHIC SCALE
1" = 100'
0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-0871-10-12
2. SEE SHEET NO. 1 FOR SURVEY NOTES



KEY WEST HARBOR, FLORIDA
**EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT**
STA. 57+00 THRU STA. 87+00 GARRISON BIGHT CUT-8
PLAN

00000000-6-000000LDGN
00000000-6-000000LDGN
00000000-6-000000LDGN
12-V-201-V-NAV.DGN
12-201-V-CON-8-FEET.DGN
12-201-V-SOUL-CMPL-06.DGN
00ML-DIVLDGN
12-201-Q-88-88RD.DGN
Reference file:
12-201-VH-23.DGN
File name:

Designed by: WRM	Chk by: GR
DRAWN by: WRM	
File No: 100120P-100-300000	
Sheet: SEP 2212	

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

No.	Symbol	Zone	Description

US Army Corps
of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-18 (09/12)	393,866	85,220	24°33'58.84"	81°47'20.22"
LT-19 (09/12)	394,261	85,272	24°33'57.38"	81°47'16.89"
DBN-20 (09/12)	395,976	84,817	24°33'53.96"	81°46'58.42"
LT-21 (09/12)	396,234	84,883	24°33'53.63"	81°46'55.63"
DBN-22 (09/12)	396,082	84,847	24°33'51.28"	81°46'57.15"
DBN-24 (09/12)	395,982	83,863	24°33'43.51"	81°46'58.30"
DBN-25 (09/12)	396,081	83,534	24°33'40.26"	81°46'57.21"
DBN-28 (09/12)	395,789	83,744	24°33'43.32"	81°47'00.38"
DBN-27 (09/12)	395,727	83,602	24°33'40.91"	81°47'01.04"
DBN-28 (09/12)	395,651	83,714	24°33'42.01"	81°47'01.88"
SIGN (09/12)	384,045	65,732	24°34'01.82"	81°47'48.39"

P.I. STA. 29+62.57 GARRISON BIGHT CUT-9
P.I. STA. 0+00 GARRISON BIGHT CUT-9

P.I. STA. 10+36.50 GARRISON BIGHT CUT-9
P.I. STA. 0+00 GARRISON BIGHT TURNING BASIN

P.I. STA. 99+17.53 GARRISON BIGHT CUT-6
P.I. STA. 0+00 GARRISON BIGHT CUT-6

MATCHLINE SHEET NO. 23 STA. 87+00

MOORING FIELD SIGN

GARRISON BIGHT CUT-6
AZ-351-19-32

GARRISON BIGHT CUT-9
AZ-221-10-28

GARRISON BIGHT CUT-9
AZ-7-23-19

GARRISON BIGHT TURNING BASIN
AZ-23-19



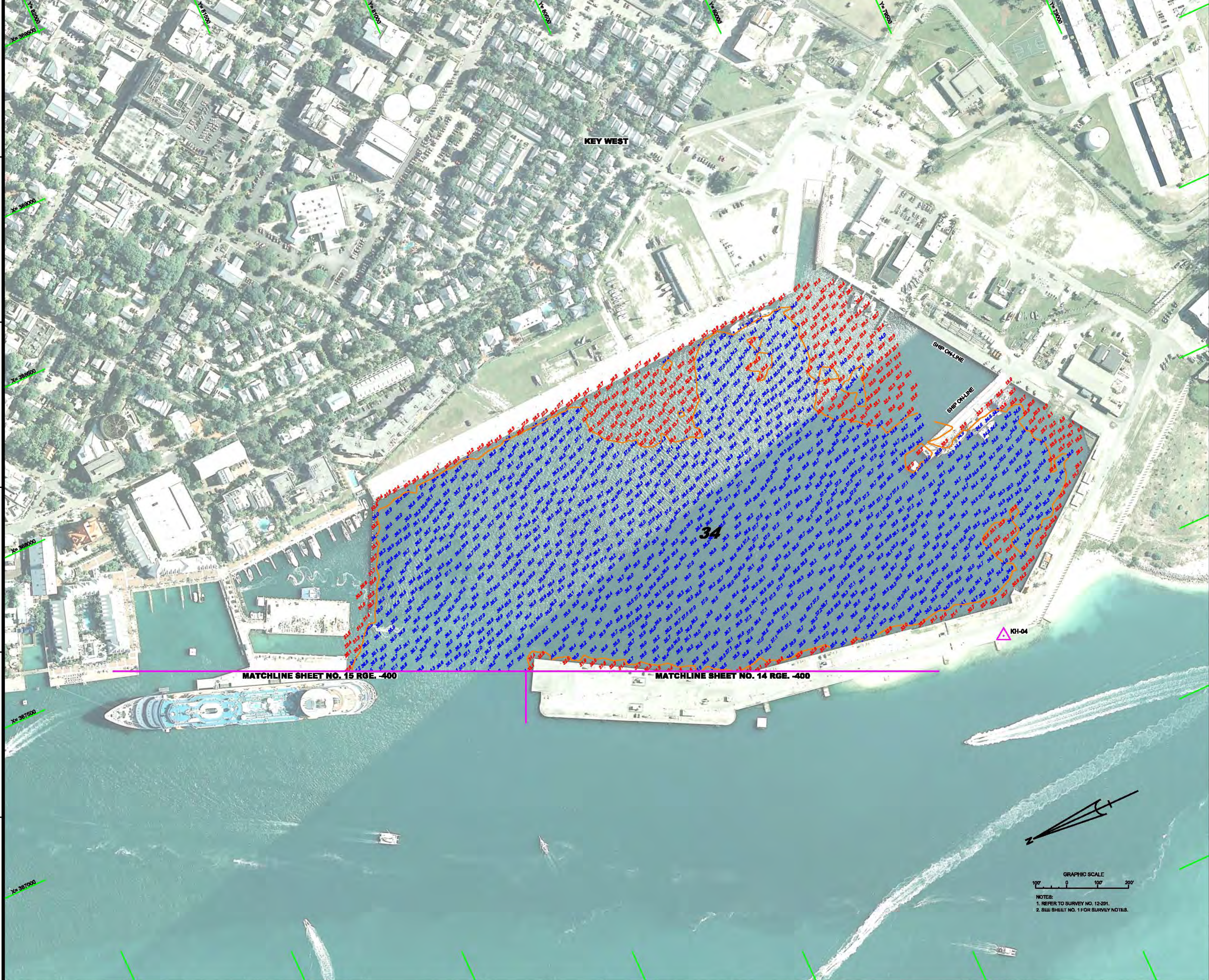
NOTES:
1. REFER TO SURVEY NO. 12-201.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.


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DEPARTMENT OF THE ARMY
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JACKSONVILLE, FLORIDA

KEY WEST HARBOR, FLORIDA
EXAMINATION SURVEY FY12
6, 12, 26, 30 & 34-FOOT PROJECT
STAs 0+00 TO 100+00 GARRISON BIGHT TURNING BASIN
PLAN

Scale: AS SHOWN
Drawing no.
24
SHEET 24 OF 26

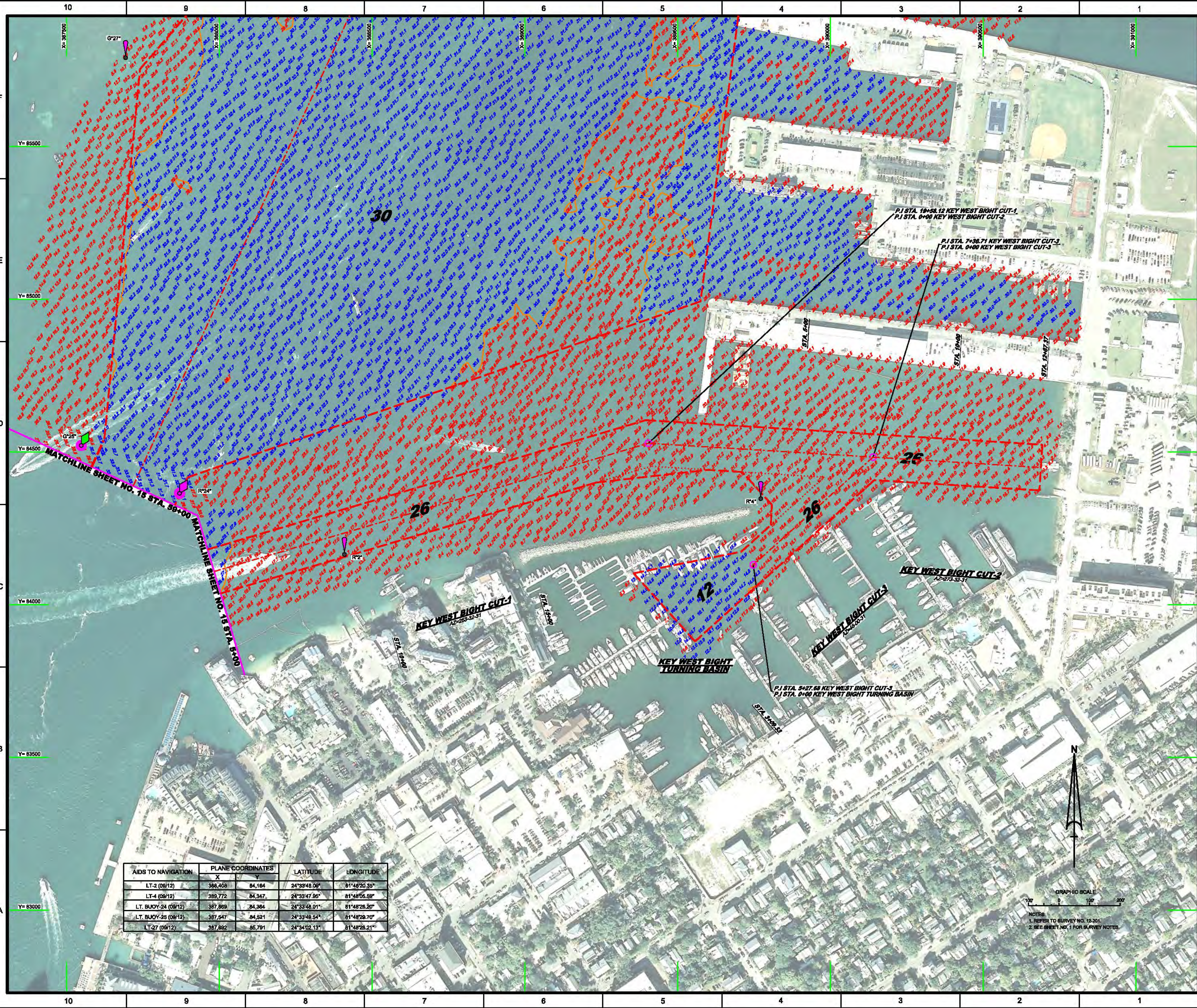


 US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU	
Department of the Army Jacksonville District, Corps of Engineers Jacksonville, Florida	
Checked by: GRL Drawn by: WHM Date: 09/12/12	Checked by: GRL Drawn by: WHM Date: 09/12/12
PROJECT NO. 12-201 TRUMAN HARBOR EXAMINATION SURVEY KEY WEST, FLORIDA PLAN	
Scale: AS SHOWN Drawing no. 25 SHEET 25 OF 26	



NOTES:
 1. REFER TO SURVEY NO. 12-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Checked by	GR
Drawn by	WHM
Checked by	WHM
Drawn by	WHM
Checked by	WHM
Drawn by	WHM
Checked by	WHM
Drawn by	WHM
Checked by	WHM
Drawn by	WHM



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-2 (08/12)	386,408	84,164	24°33'48.09"	81°48'20.35"
LT-4 (08/12)	389,772	84,347	24°33'47.96"	81°48'05.59"
LT. BUOY-24 (08/12)	387,869	84,364	24°33'48.01"	81°48'28.20"
LT. BUOY-25 (08/12)	387,547	84,521	24°33'48.54"	81°48'28.70"
LT-27 (08/12)	387,892	85,791	24°34'02.13"	81°48'28.21"

NOTES:
 1. REFER TO SURVEY NO. 12-201.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.