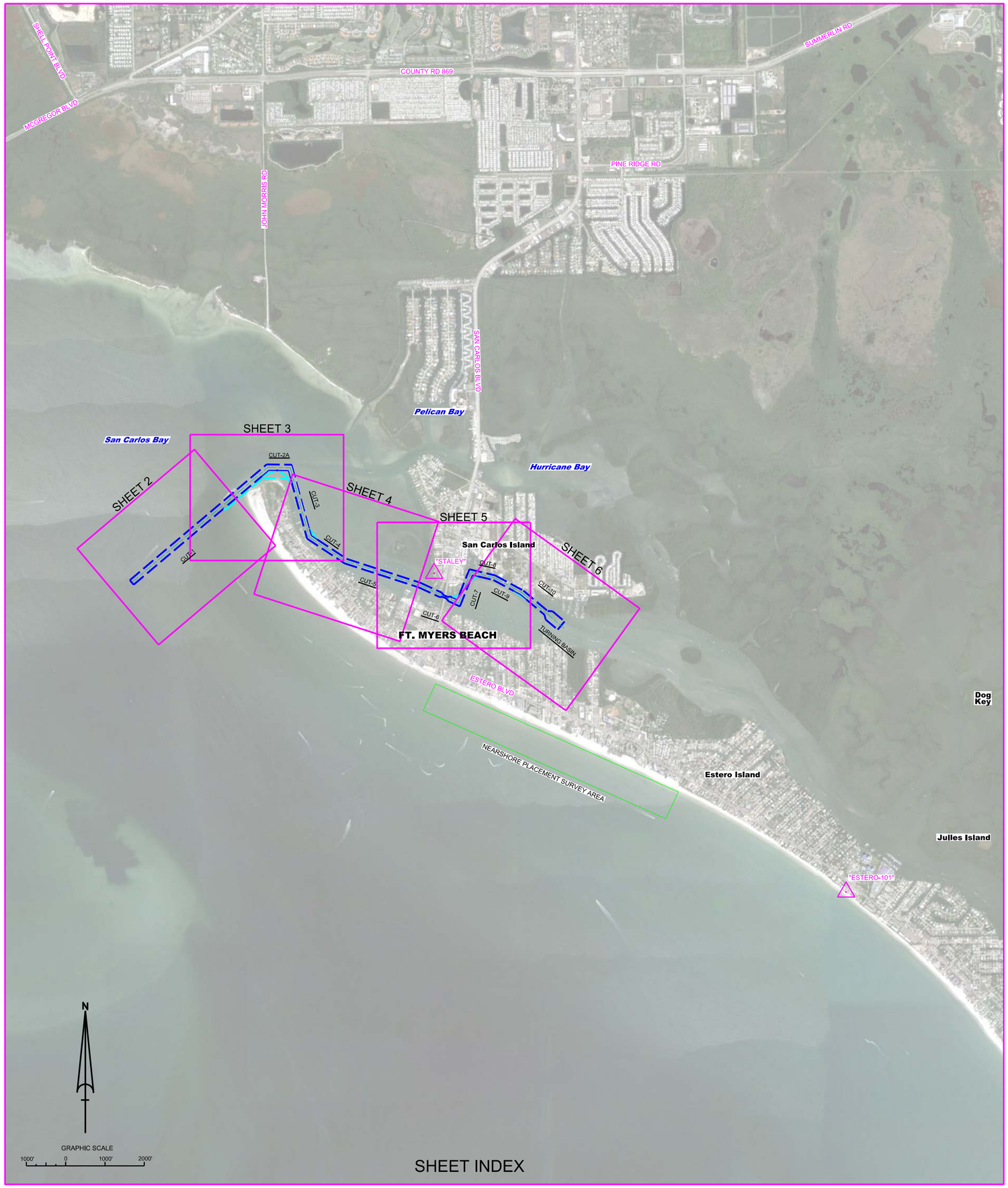
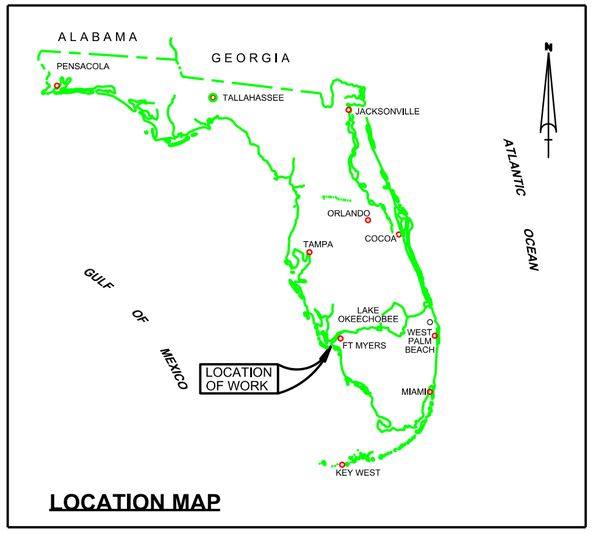




LOCATION MAP

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 16-037.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH, 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 BENCH MARKS ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:

   NOAA TIDAL STATION 872-5366 (PID: AD1372) ALL CUTS.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "SPC-FL-WEST-2010-12-07.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "STALEY" (PID: BBCJ30)

   REFERENCE BASE LOCATED AT "ESTERO-101" (PID: BBDV83"

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINATION SIDESCAN AND MULTI-BEAM. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	12-14 JAN 2016	1-10, TURNING BASIN
TOPOGRAPHIC	14 JAN 2016	BOSTICH POINT SHOAL

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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.
10. 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, 30 NOV 13.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
Drawn by: VIRM
Checked by: GMR
Rev. No. V9123EP-XX-X-XXXX
Date: JAN 2016

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

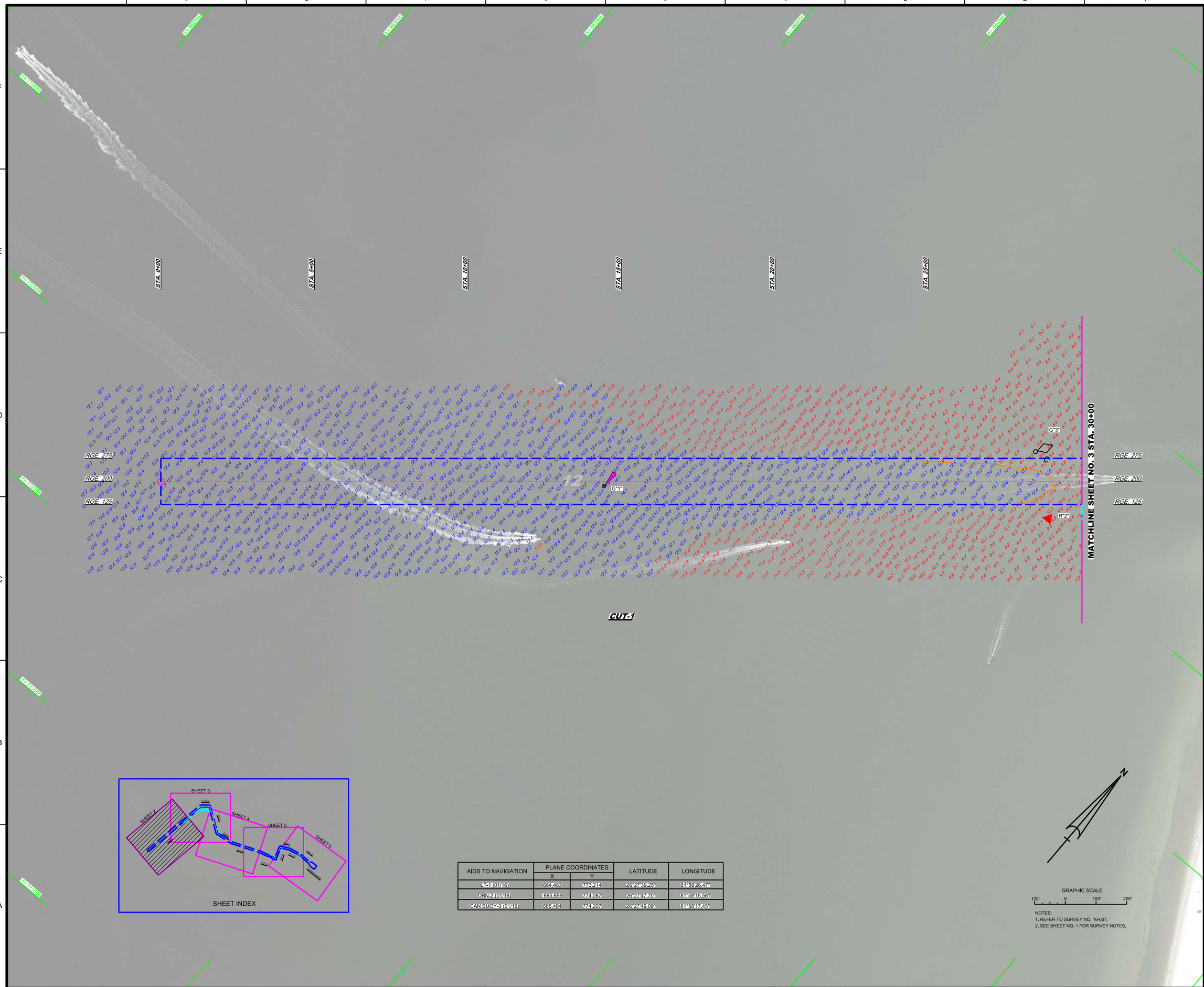
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 06



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (01/16)	664,483	773,214	26°27'39.25"	81°58'28.47"
DBN-2 (01/16)	665,656	774,067	26°27'47.70"	81°58'15.56"
CAN BUOY-3 (01/16)	665,484	774,207	26°27'49.09"	81°58'17.45"

NOTES:
1. REFER TO SURVEY NO. 16-037.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No. V01/2EP-XX-X-XXXX
Date: JAN 2016

X:\XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
16-037-X-NAV.DGN
16-037-X-SOUNDING.DGN
15-037-X-SOUN_C.DGN
FT MYERS-CHANG(99)-INTERIM.DGN
16-037-X-ES-BRDR.DGN
Reference files:
16-037-V-H-SHW2.DGN
File name:

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT

STA. 0+00 THRU STA. 30+00 CUT-1

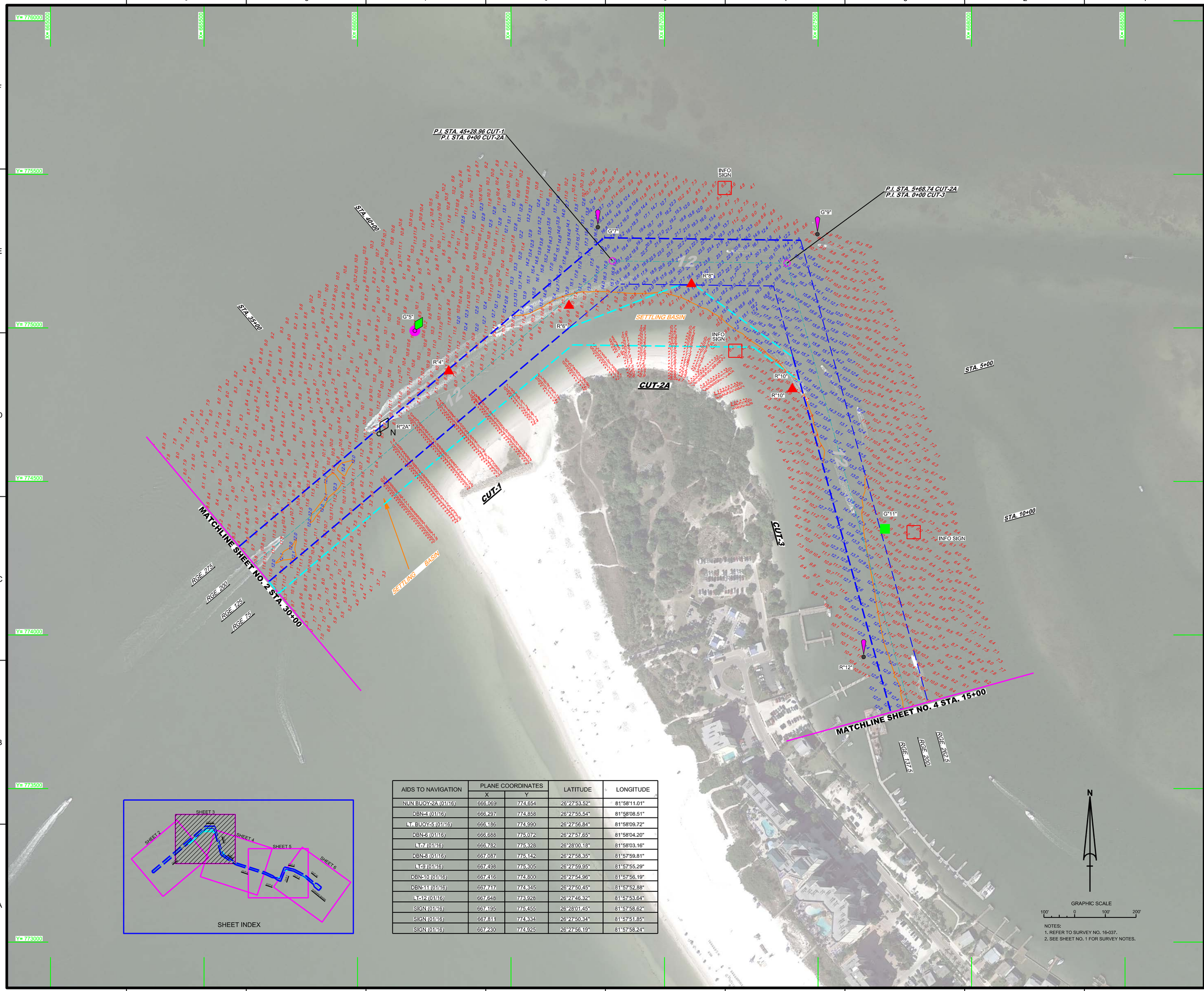
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 06



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-2A (01/16)	666,069	774,654	26°27'53.52"	81°58'11.01"
DBN-4 (01/16)	666,297	774,858	26°27'55.54"	81°58'08.51"
LT. BUOY-5 (01/16)	666,186	774,990	26°27'56.84"	81°58'09.72"
DBN-6 (01/16)	666,688	775,072	26°27'57.65"	81°58'04.20"
LT-7 (01/16)	666,782	775,328	26°28'00.18"	81°58'03.16"
DBN-8 (01/16)	667,087	775,142	26°27'58.35"	81°57'59.81"
LT-9 (01/16)	667,498	775,305	26°27'59.95"	81°57'55.29"
DBN-10 (01/16)	667,416	774,800	26°27'54.96"	81°57'56.19"
DBN-11 (01/16)	667,717	774,345	26°27'50.45"	81°57'52.88"
LT-12 (01/16)	667,648	773,928	26°27'46.32"	81°57'53.64"
SIGN (01/16)	667,195	775,455	26°28'01.45"	81°57'58.62"
SIGN (01/16)	667,811	774,334	26°27'50.34"	81°57'51.85"
SIGN (01/16)	667,230	774,925	26°27'56.19"	81°57'58.24"

NOTES:
1. REFER TO SURVEY NO. 16-037.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Proj. No.: V912EP-XX-XX-XXX
Date: JAN 2016

Reference files:
16-037-A-SOUL.DGN
16-037-A-CONTOUR.DGN
16-037-A-SOUN_CL0.DGN
16-037-A-SOUN_CL1.DGN
16-037-A-SOUN_CL2.DGN
16-037-A-SOUN_CL3.DGN
16-037-A-TOPO_CONTOUR.DGN
16-037-A-TOPO_BOSTICH PT.DGN
FT MYERS-CHANG3(90)HINTERIM.DGN
16-037-C-BS-BROR.DGN
16-037-A-HH-SHX3.DGN
File name:

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

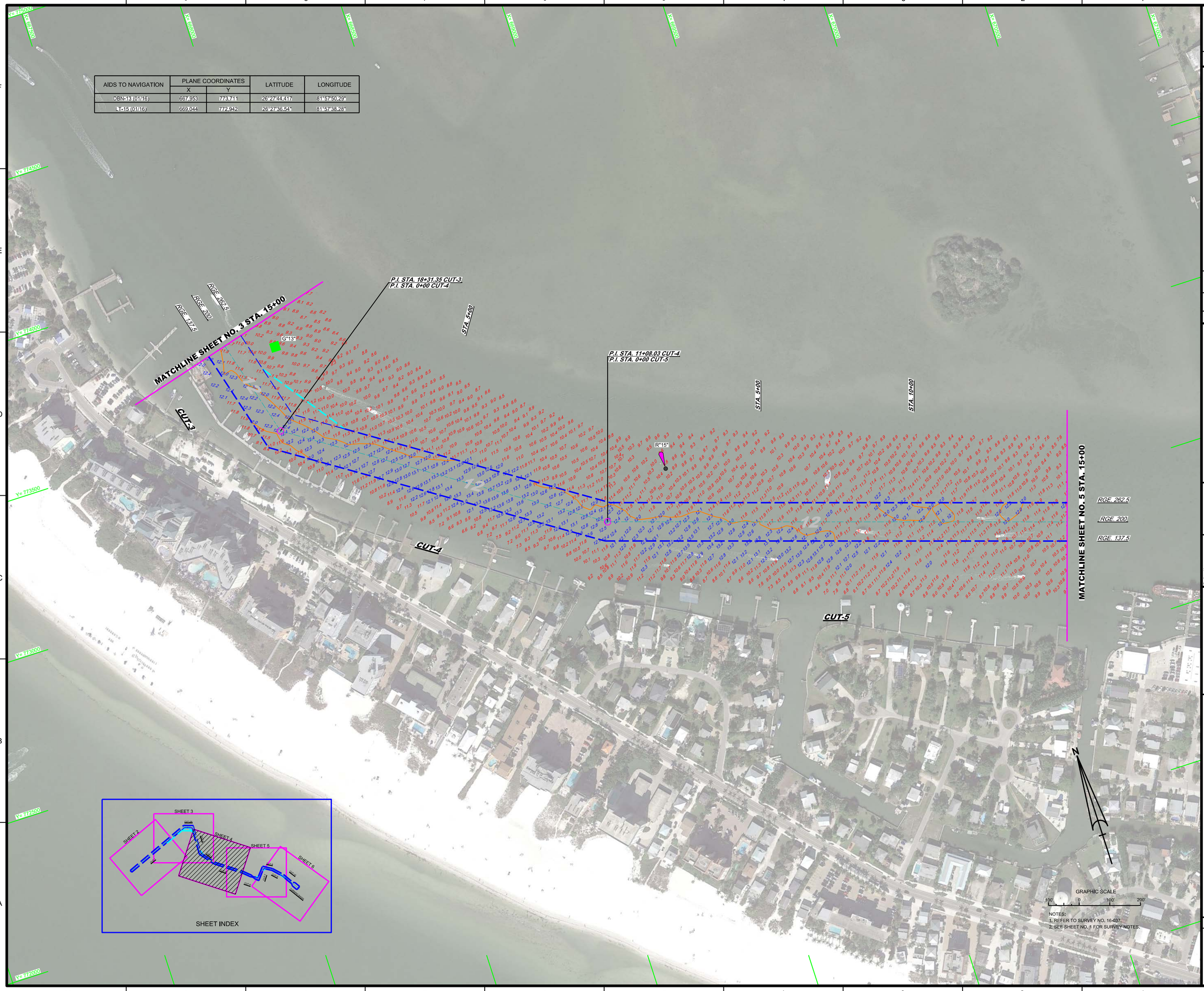
PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT
STA. 30+00 CUT-1 THRU STA. 15+00 CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 03 OF 06

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-13 (01/16)	667,953	773,711	26°27'44.417"	81°57'50.29"
LT-15 (01/16)	669,044	772,942	26°27'36.54"	81°57'38.28"



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: MRM
Dwn by: MRM
Ckd by: GMR
Proj. No. V812EP-XX-XX-XX
Date: JAN 2016

X:\XX-XX-XX-XX-XX\XX.DGN
16-037-AAAA.DGN
16-037-AA-CON12.DGN
16-037-AA-SOUL_CLD.DGN
16-037-AA-SOUL_CLD.DGN
16-037-AA-SOUL_CLD.DGN
FT MYERS-CHANG3(90)HINTERIM.DGN
16-037-A-B-SRDR.DGN
Reference files
16-037-AHs-SHA.DGN
File name:

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

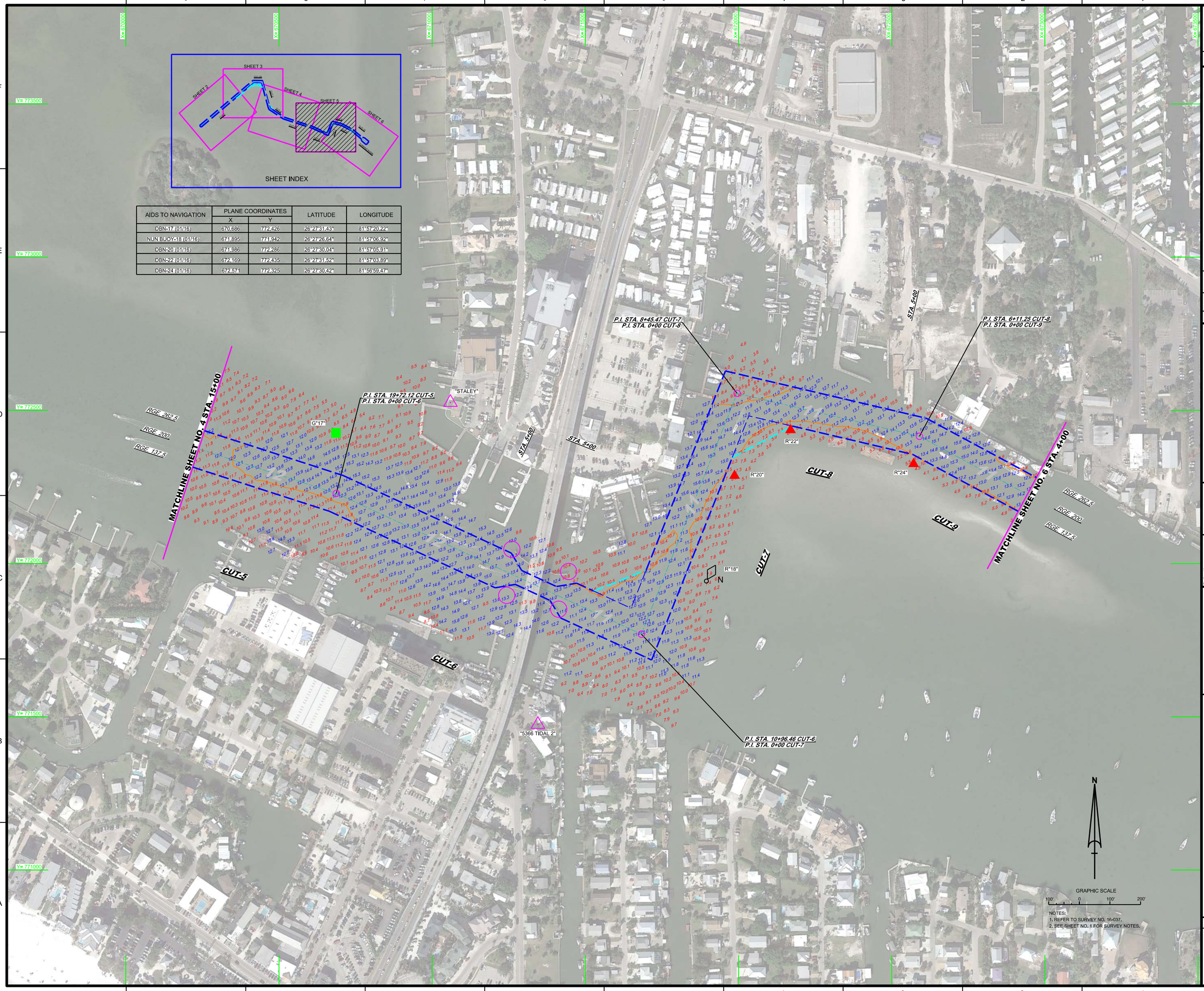
PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT
STA. 15+00 CUT-3 THRU STA. 15+00 CUT-5

PLAN

Scale: AS SHOWN

Drawing no.
4

SHEET 04 OF 06



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-17 (01/16)	670,686	772,426	26°27'31.43"	81°57'20.22"
NUN BUOY-18 (01/16)	671,895	771,942	26°27'26.64"	81°57'06.92"
DBN-20 (01/16)	671,986	772,286	26°27'30.04"	81°57'05.91"
DBN-22 (01/16)	672,169	772,435	26°27'31.52"	81°57'03.89"
DBN-24 (01/16)	672,571	772,325	26°27'30.42"	81°56'59.47"

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. V9312EP-XX-X-XXX
Date: JAN 2016

16-037-X-CON-11.DGN
16-037-X-SOUN_C5.DGN
16-037-X-SOUN_C6.DGN
16-037-X-SOUN_C7.DGN
16-037-X-SOUN_C8.DGN
16-037-X-SOUN_C9.DGN
FT. MYERS-CHAN(8199)-INTERIM.DGN
16-037-C-BS-BRDR.DGN
16-037-VH-SH05.DGN
File name:

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT

STA. 15+00 CUT-5 THRU STA. 4+00 CUT-9

PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 06

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-9 (01/16)	674,111	771,179	26°27'19.06"	81°56'42.53"
DBN-26 (01/16)	673,160	771,995	26°27'27.15"	81°56'53.00"
SIGN (01/16)	673,506	771,764	26°27'24.86"	81°56'49.19"

NOTES:
1. REFER TO SURVEY NO. 16-037.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

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

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Proj. No. V912EP-XX-XX-XXXX
Date: JAN 2016

X:\XXXXXXXX-XX-XXXX\DGN
16-037-AAAAV.DGN
16-037-A-CON11.DGN
16-037-A-SOUL_TB.DGN
16-037-A-SOUL_CUT.DGN
16-037-A-SOUL_C9.DGN
FT MYERS-CHANG3(90)HINTERIM.DGN
16-037-C-BR-BRDR.DGN
Reference files
15-037-AHx-SH06.DGN
File name:

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY16
11 & 12-FOOT PROJECT
STA. 4+00 CUT-9 THRU STA 8+00 TURNING BASIN

PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 06