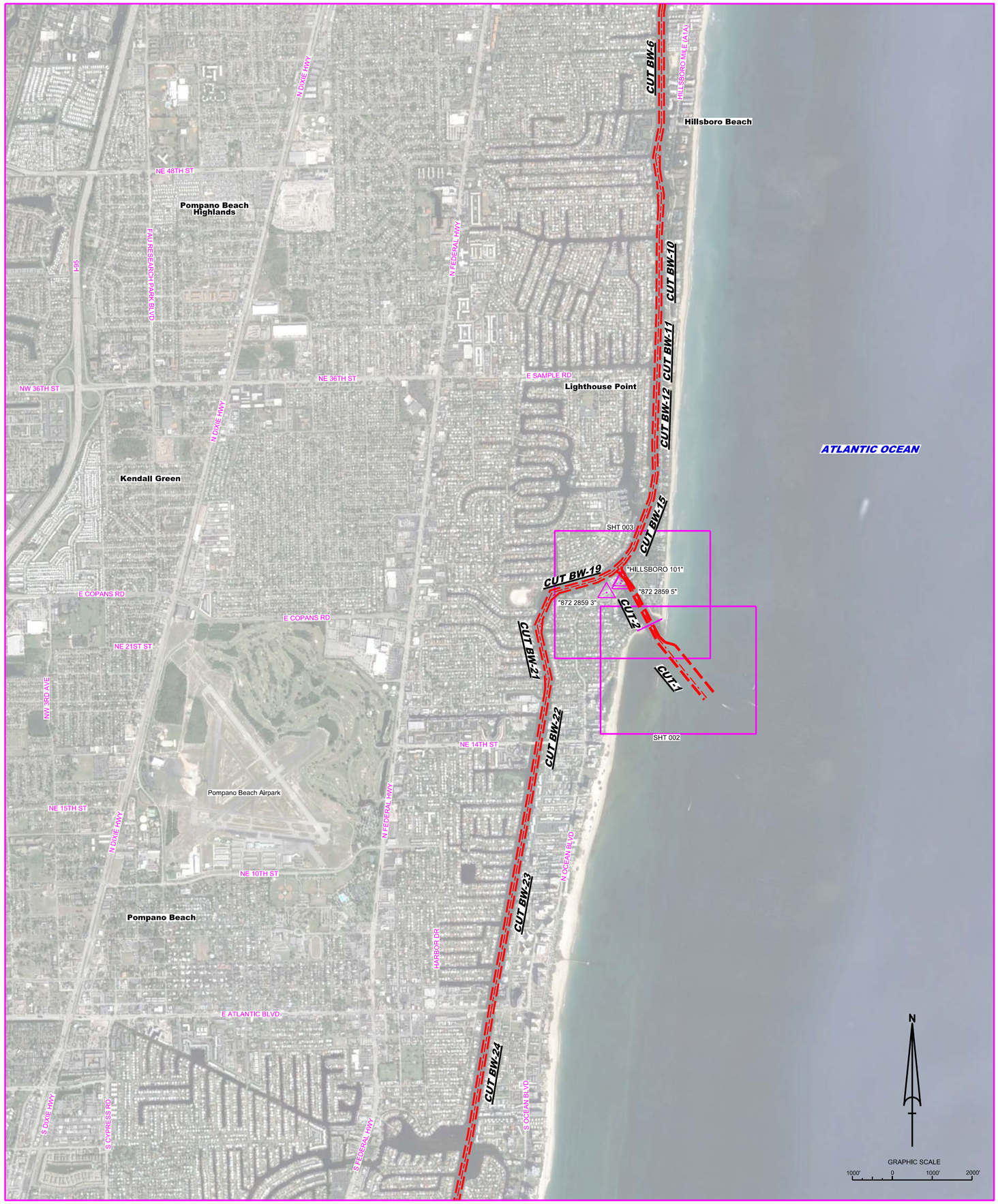


HILLSBORO INLET
BROWARD COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAMINATION SURVEY FY17
8 & 10-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 17-023.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
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: "XXXXXXXXXXXXXXX.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83) BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY IS WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH TEH FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "HILLSBORO 101" (PID: BBFG61)
8. 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 SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872 2859 3 (PID: AD5848) USED FOR ALL CUTS

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM RTANSDUCER AND AN EDGETECH 6205 COMBINED MULTI-BEAM / SIDESCAN. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	12, 19 JUL 2017	CUTS 1 AND 2

9. 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.
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, 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
Cad by: CMR
Rev. No.
Date: JUL 2017

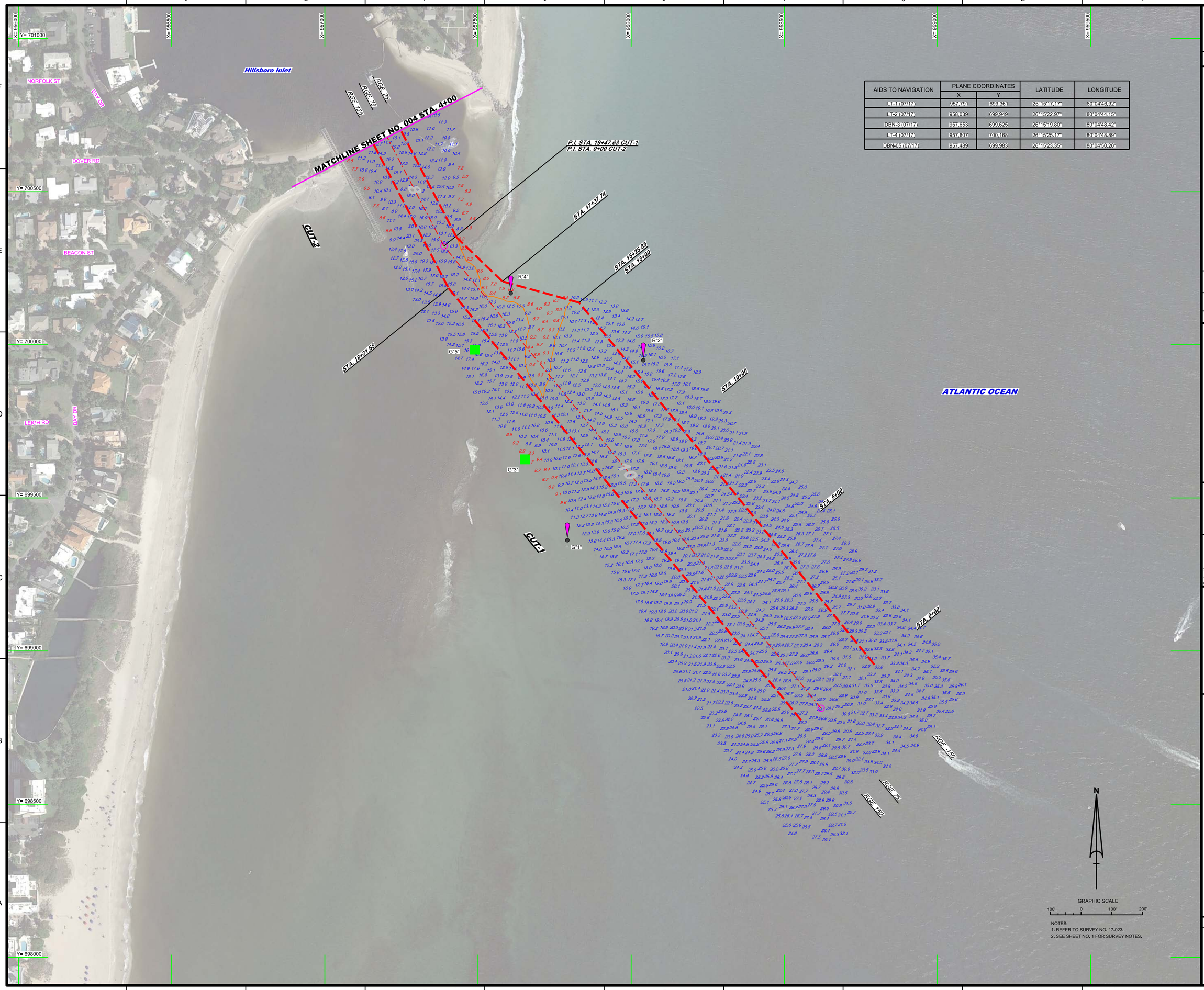
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
IMYN-CNEWCCF.DGN
HILLSBORO INLET-C-NGMCCF-MC17.DGN
17-023-C-BS-BRDR.DGN
Reference files:
17-023-VH-001.DGN
File name:

HILLSBORO INLET
BROWARD COUNTY, FLORIDA
POST-HURRICAME MATTHEW EXAM SURVEY FY17
8 & 10-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 03



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (07/17)	957,791	699,361	26°15'17.17"	80°04'46.92"
LT-2 (07/17)	958,039	699,949	26°15'22.97"	80°04'44.15"
DBN-3 (07/17)	957,653	699,625	26°15'18.80"	80°04'48.42"
LT-4 (07/17)	957,607	700,168	26°15'25.17"	80°04'48.89"
DBN-05 (07/17)	957,489	699,983	26°15'23.35"	80°04'50.20"

NOTES:
1. REFER TO SURVEY NO. 17-023.
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: WRM
DWN by: WRM
Ckd by: GMR
Proj. No.
Date: JUL 2017

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
17-023-A-NAV.DGN
17-023-A-SURVEY.DGN
17-023-A-SDI.INI.DGN
HILLSBORO INLET-C-XNGMCCF-MCT.DGN
17-023-C-BR-BRDR.DGN
Reference files:
17-023-VR-002.DGN
File name:

HILLSBORO INLET
BROWARD COUNTY, FLORIDA

POST-HURRICAME MATTHEW EXAM SURVEY FY17
8 & 10-FOOT PROJECT

STA. 0+00 CUT-1 THRU STA. 4+00 CUT-2

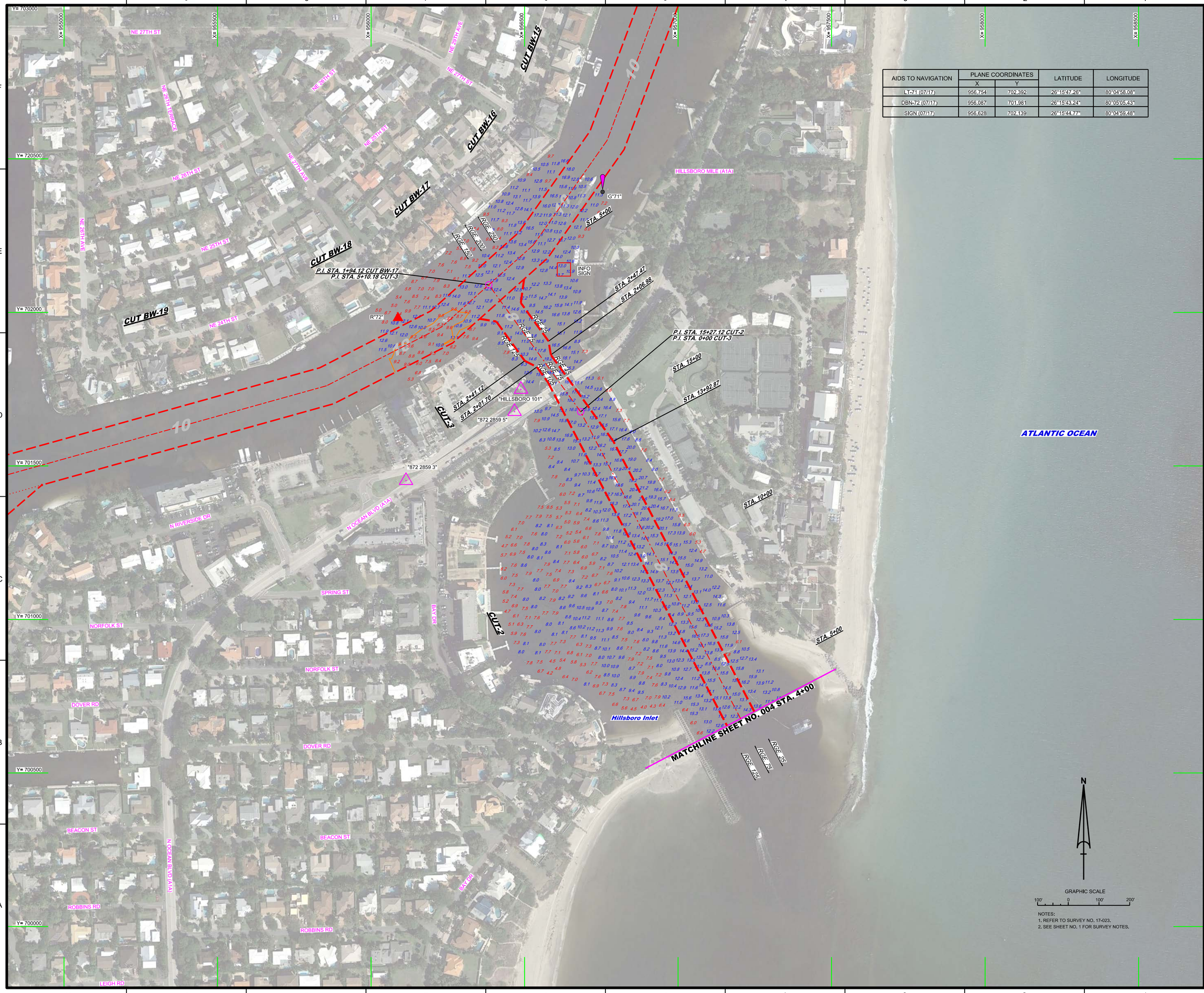
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 03



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-71 (07/17)	956,754	702,392	26°15'47.26"	80°04'58.08"
DBN-72 (07/17)	956,087	701,981	26°15'43.24"	80°05'05.43"
SIGN (07/17)	956,628	702,139	26°15'44.77"	80°04'59.48"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-023.
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
Drawn by: VIRM
Checked by: CMR
Rev. No.
Date: JUL 2017

X:\XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
17-023-NAV.DGN
17-023-CUT-CONTOUR.DGN
17-023-CUT-CONTOUR.DGN
MYNA-CNGIMCCF.DGN
HILLSBORO INLET-C-NGIMCCF-MC17.DGN
17-023-C-BS-BNDR.DGN
Reference files:
17-023-VH-003.DGN
File name:

HILLSBORO INLET
BROWARD COUNTY, FLORIDA

POST-HURRICAME MATTHEW EXAM SURVEY FY17
8 & 10-FOOT PROJECT

STA. 4+00 CUT-2 THRU STA. 5+10.18 CUT-3

PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 03