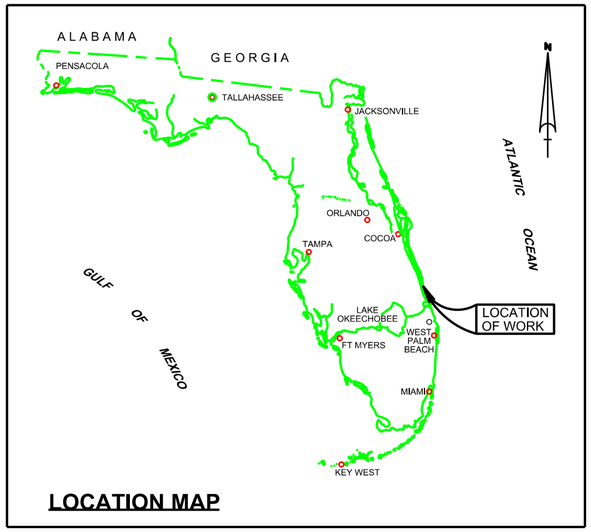

LOCATION MAP

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAMINATION SURVEY FY17
28 & 30-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 17-013.
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: "INDIANRIVER-STLUCIE-MARTIN_20140527.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 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 POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "872 2213 K" (PID: DI3923)

   TIDE STAFF LOCATED AT "872 2213 K" (PID: DI3923)
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 872-2213 FOR ALL CUTS.

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

VESSEL	DATE OF SURVEY	CUT
SB-48	01-02 NOV 2016	1, 2, TURNING BASIN

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. V91/2ES>XX>X>XXXX
Date: NOV 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
FORT PIERCE-C-NGMCCF.DGN
17-013-CABS-BRDR.DGN
Reference files
17-013-VH-01.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 08

X= 892000
X= 892500
X= 893000
X= 893500
X= 894000
X= 894500
X= 895000
X= 895500

Y= 1143500
Y= 1143000
Y= 1142500
Y= 1142000
Y= 1141500
Y= 1141000

STA. 25+00
STA. 20+00
STA. 15+00
STA. 10+00
STA. 5+00
STA. 0+00

RGE. VARIES
RGE. 250
RGE. VARIES

MATCHLINE SHEET NO. 03 STA. 30+00

NO DATA COLLECTED DUE TO ROUGH SEAS

RGE. VARIES
RGE. 250
RGE. VARIES

CUT-1

N

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-013.
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: GMC
Rev. No. W912EP-XX-X-XXXX
Date: NOV 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
FORT PIERCE-C-NGMCCF.DGN
17-013-C-BS-BIDR.DGN
Reference files:
T7-013-VHOZ.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

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

PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 08

X= 889500
X= 889000
X= 890500
X= 891000
X= 891500
X= 892000
X= 892500

Y= 1143000
Y= 1142500
Y= 1142000
Y= 1141500
Y= 1141000
Y= 1140500

STA. 57+00
BEGINNING OF TRANSITION

STA. 55+00

STA. 50+00

STA. 45+00

STA. 40+00

STA. 35+00

RGE. VARIES

RGE. 250

RGE. VARIES

MATCHLINE SHEET NO. 04 STA. 60+00

NO DATA COLLECTED DUE TO ROUGH SEAS

MATCHLINE SHEET NO. 02 STA. 30+00

RGE. VARIES

RGE. 250

RGE. VARIES

CUT-1

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-013.
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
Chd by: CMR
Rev. No. V912EP-XX-X-XXXX
Date: NOV 2016

I:\XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
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FORT PIERCE-C-NGMCCF.DGN
17-013-C-ES-BNDR.DGN
Reference files:
17-013-VH-03.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

STA. 30+00 THRU STA. 60+00 CUT-1

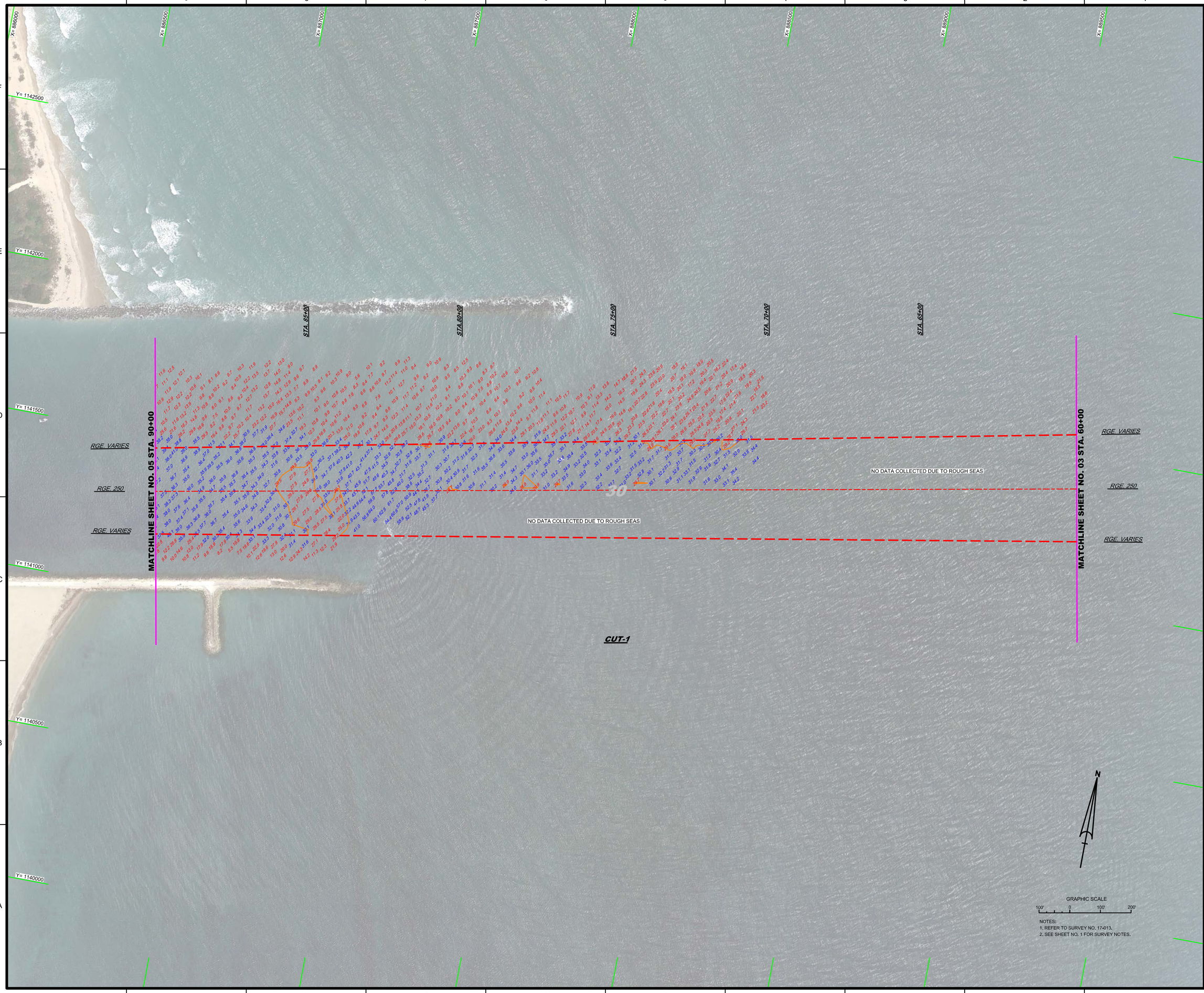
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 08



NOTES:
1. REFER TO SURVEY NO. 17-013.
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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. V9/12ESP-XX-X-XXXX
Date: NOV 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-013-VSOUN_C1_HF.DGN
FORT PIERCE-C-NGMCCF.DGN
17-013-CABS-BRDR.DGN
Reference files:
17-013-VH-PA.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

STA. 60+00 THRU STA. 90+00 CUT-1

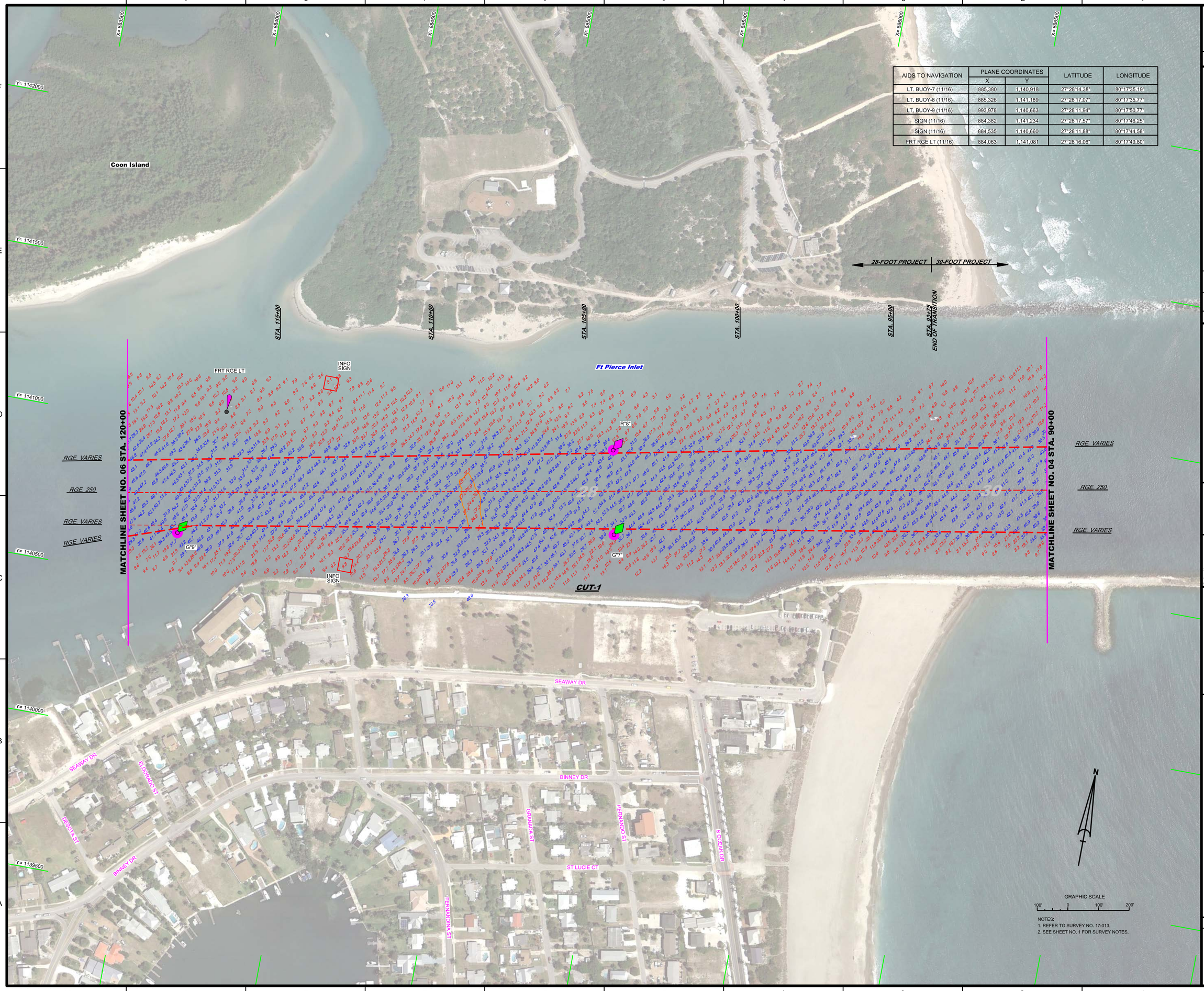
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 08



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (11/16)	885,380	1,140,918	27°28'14.38"	80°17'35.19"
LT. BUOY-8 (11/16)	885,326	1,141,189	27°28'17.07"	80°17'35.77"
LT. BUOY-9 (11/16)	993,978	1,140,663	27°28'11.94"	80°17'50.77"
SIGN (11/16)	884,382	1,141,234	27°28'17.57"	80°17'46.25"
SIGN (11/16)	884,535	1,140,660	27°28'11.88"	80°17'44.58"
FRT RGE LT (11/16)	884,063	1,141,081	27°28'16.06"	80°17'49.80"

NOTES:
1. REFER TO SURVEY NO. 17-013.
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. V9123EP-XX-X-XXXX
Date: NOV 2016

17-XXXX-XXX-X-XXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
17-013-LA-NAV.DGN
17-013-LA-SOUN.DGN
17-013-LA-SOUN_C_LIF.DGN
FORT PIERCE-C-NGMCCF.DGN
17-013-C-ESB-BKDR.DGN
Reference files:
17-013-VHS.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

STA. 90+00 THRU STA. 120+00 CUT-1

PLAN

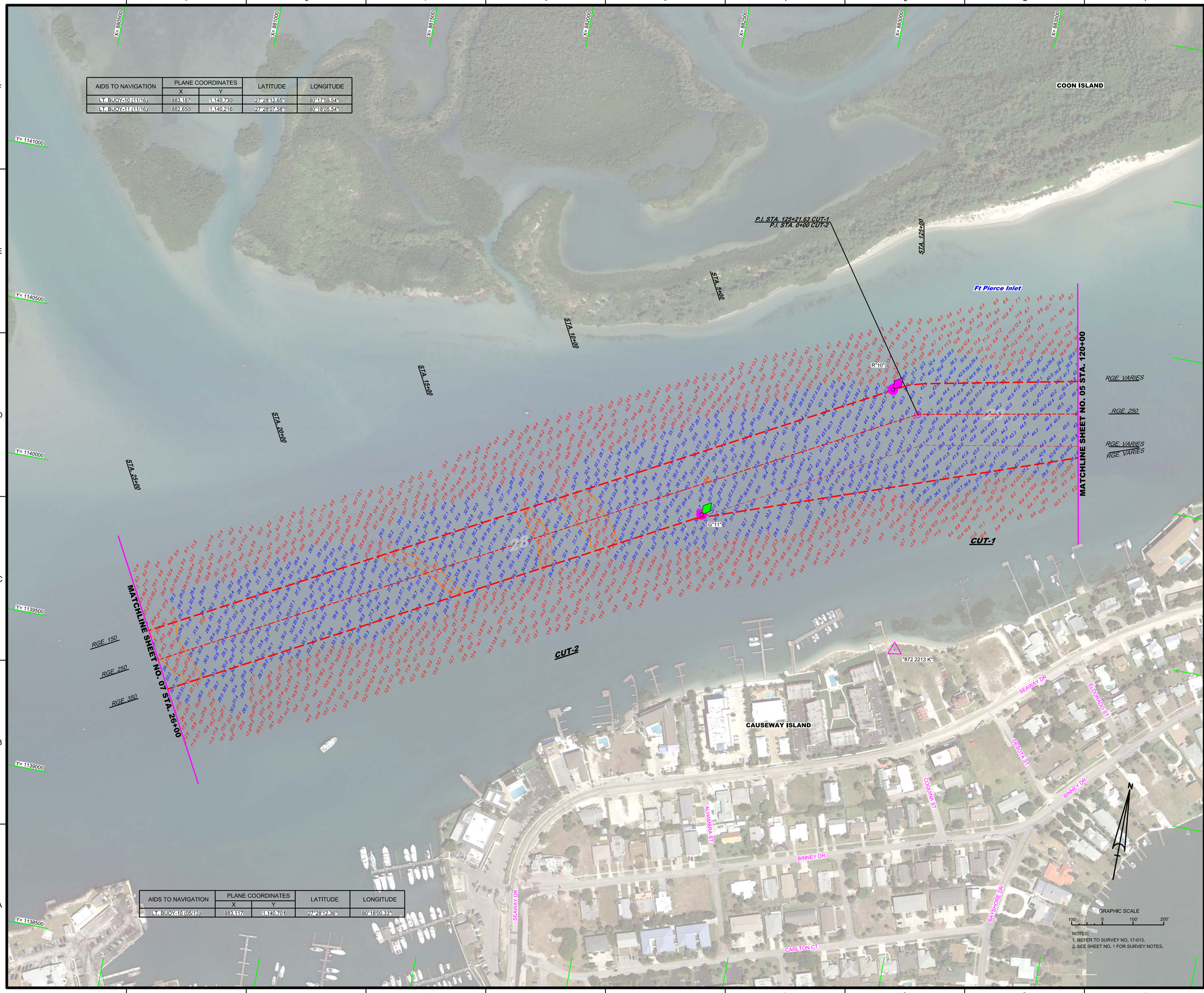
Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 08

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (11/16)	883,187	1,140,730	27°28'12.65"	80°17'59.54"
LT. BUOY-11 (11/16)	882,650	1,140,216	27°28'07.58"	80°18'05.54"



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (05/13)	883,117	1,140,701	27°28'12.36"	80°18'00.33"

NOTES:
1. REFER TO SURVEY NO. 17-013.
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. V9123EP-XX-X-XXXX
Date: NOV 2016

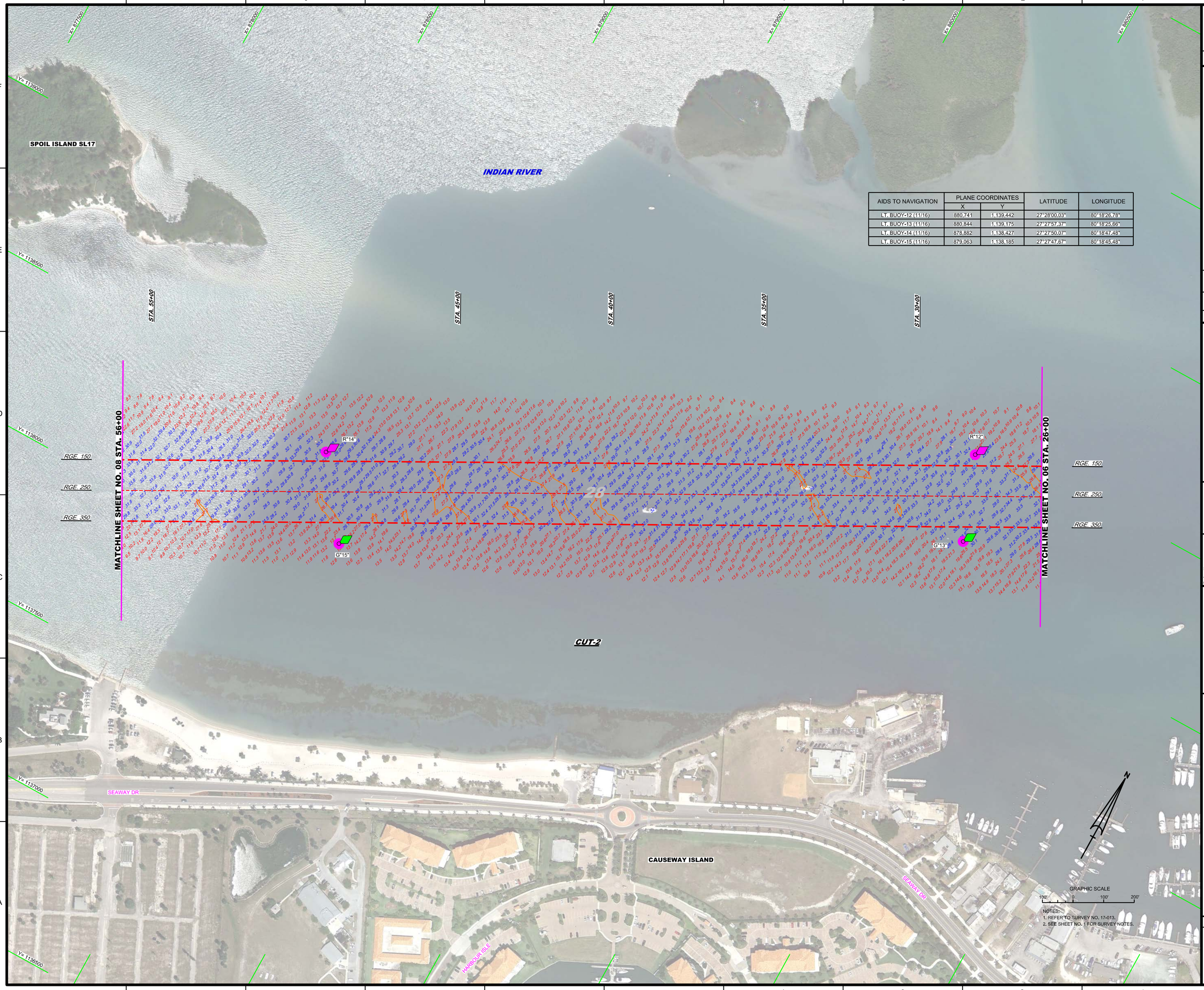
Reference files:
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
17-013-V-CONS.DGN
17-013-V-NAV.DGN
17-013-V-SOUN_CT_HF.DGN
17-013-V-SOUN_CT_LHF.DGN
FORT PIERCE-CAMGMCSF.DGN
17-013-C-BS-BKDR.DGN
File name: 17-013-V-H-06.DGN

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT
STA. 120+00 CUT-1 THRU STA. 26+00 CUT-2
PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 08



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-12 (11/16)	880,741	1,139,442	27°28'00.03"	80°18'26.78"
LT. BUOY-13 (11/16)	880,844	1,139,175	27°27'57.37"	80°18'25.66"
LT. BUOY-14 (11/16)	878,882	1,138,427	27°27'50.07"	80°18'47.48"
LT. BUOY-15 (11/16)	879,063	1,138,185	27°27'47.67"	80°18'45.48"

NOTES:
1. REFER TO SURVEY NO. 17-013.
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
Ckd by: CMR
Rev. No. V9123EP-XX-X-XXXX
Date: NOV 2016

X:\XXXXXXX-X-XXXXX.DGN
X:\XXXXXXX-X-XXXXX.DGN
X:\XXXXXXX-X-XXXXX.DGN
XXXXXXX-X-XXXXX.DGN
17-013-V-4-CONSTBLDGN
17-013-V-4-SOUND.DGN
17-013-V-5-SOUN_CC_HF.DGN
FOTY PIERCE-C-NGMCCF.DGN
17-013-C-ES-BRDR.DGN
Reference files:
17-013-V-H-07.DGN
File name:

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

STA. 26+00 THRU STA. 56+00 CUT-2

PLAN

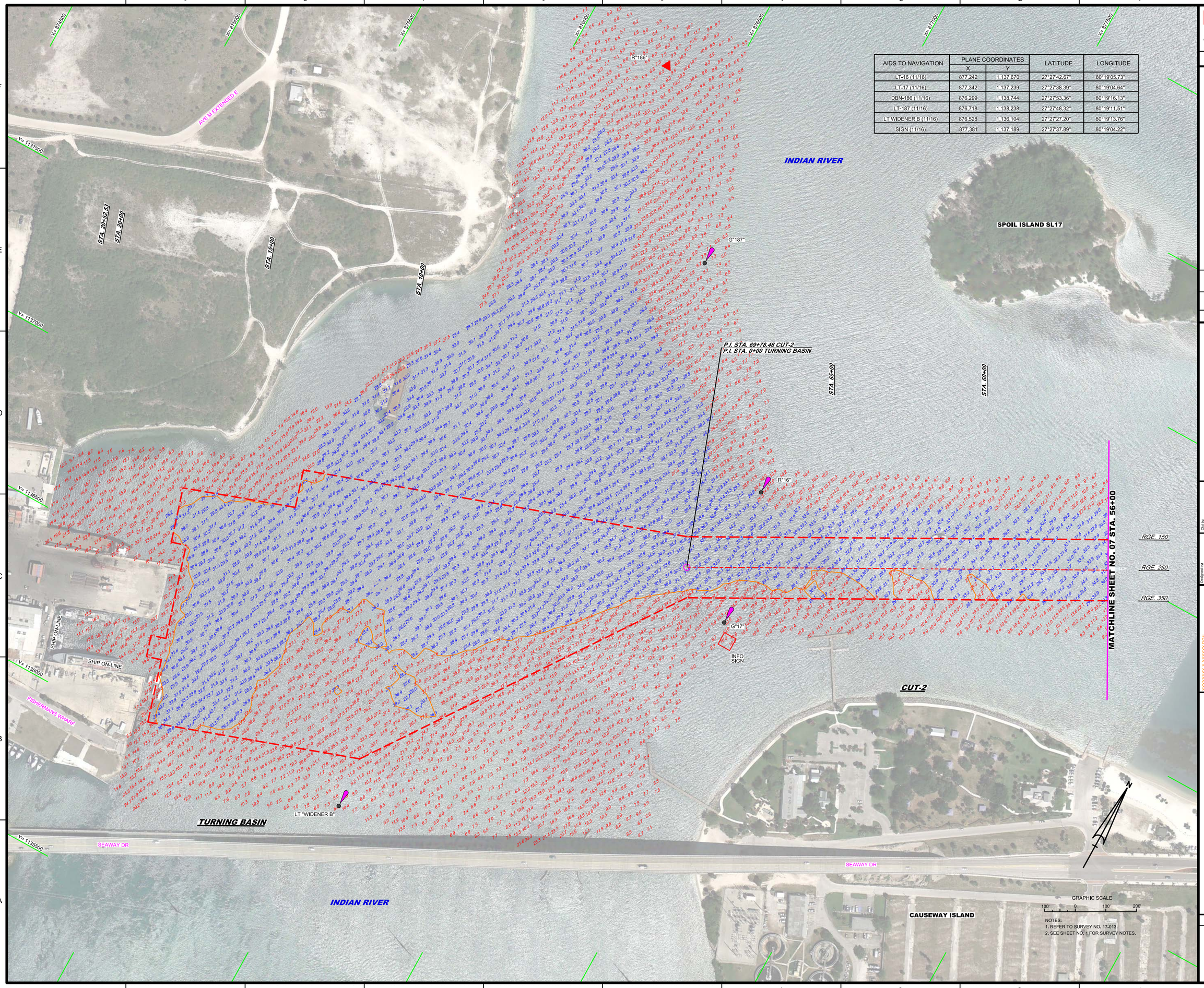
Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 08

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-16 (11/16)	877,242	1,137,670	27°27'42.67"	80°19'05.73"
LT-17 (11/16)	877,342	1,137,239	27°27'38.39"	80°19'04.64"
DBN-186 (11/16)	876,299	1,138,744	27°27'53.36"	80°19'16.13"
LT-187 (11/16)	876,718	1,138,238	27°27'48.32"	80°19'11.51"
LT WIDENER B (11/16)	876,528	1,136,104	27°27'27.20"	80°19'13.76"
SIGN (11/16)	877,381	1,137,189	27°27'37.89"	80°19'04.22"



NOTES:
1. REFER TO SURVEY NO. 17-013.
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: GB
Proj. No. W912EP-XX-X-XXXX
Date: NOV 2016

X:\XXX-XXX-X-XXXX\XXX\XXXXXXXX-X-XXXXXXX.DGN
X:\XXX-XXX-X-XXXX\XXX\XXXXXXXX-X-XXXXXXX.DGN
17-013-A-NAV.DGN
17-013-A-CONSOL.DGN
17-013-A-SOUN_CT_HT.DGN
17-013-A-SOUN_CT_TIF.DGN
FORT PIERCE-C-NGMCCF.DGN
17-013-C-BS-SRDR.DGN
Reference files
17-013-VR07.DGN
No xrefs

FT. PIERCE HARBOR
ST. LUCIE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
28 & 30-FOOT PROJECT

STA. 56+00 CUT-2 THRU STA. 20+52.53 TURNING BASIN

PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 08