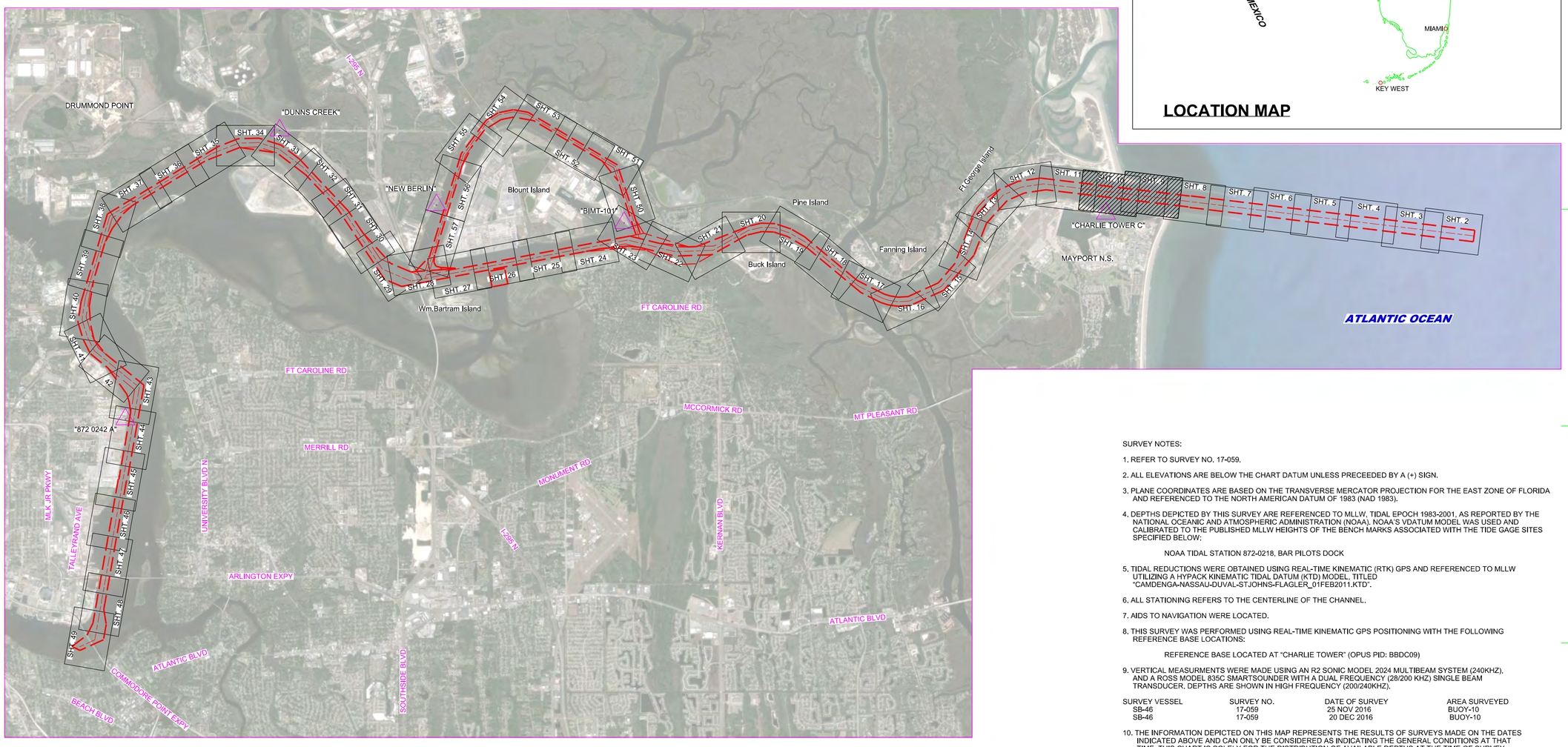
JACKSONVILLE HARBOR
DUVAL COUNTY, FLORIDA
VICINITY OF BUOY-10
HYDROGRAPHIC EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT



LOCATION MAP

SURVEY NOTES:

1. REFER TO SURVEY NO. 17-059.
2. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.
3. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 1983).
4. 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 BENCH MARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-0218, BAR PILOTS DOCK

5. TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDAL DATUM (KTD) MODEL, TITLED "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.KTD".
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. AIDS TO NAVIGATION WERE LOCATED.
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "CHARLIE TOWER" (OPUS PID: BBDC09)

9. VERTICAL MEASURMENTS WERE MADE USING AN R2 SONIC MODEL 2024 MULTIBEAM SYSTEM (240KHZ), AND A ROSS MODEL 835C SMARTSOUNDER WITH A DUAL FREQUENCY (28/200 KHZ) SINGLE BEAM TRANSDUCER. DEPTHS ARE SHOWN IN HIGH FREQUENCY (200/240KHZ).

SURVEY VESSEL	SURVEY NO.	DATE OF SURVEY	AREA SURVEYED
SB-46	17-059	25 NOV 2016	BUOY-10
SB-46	17-059	20 DEC 2016	BUOY-10

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 SURVEY.
11. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.

N

GRAPHIC SCALE

3000' 0 3000' 6000'

AUTHORIZED PROJECT DEPTH	
42 FT	CUT - 3 (BAR CUT), STA. 0+00 THRU STA. 210+00
40 FT	CUT - 3 (BAR CUT) STA. 210+00 THRU TERMINAL CHANNEL STA. 65+00.
34 FT	TERMINAL CHANNEL, STA. 65+00 THRU STA. 186+21 (APPROX. 1200 FEET UPSTREAM FROM THE HART BRIDGE NEAR COMMODORE POINT).
30 FT	CUT-A, STA. 0+00 THRU 53+10.21
38 FT	OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 10+00 - NEAR WOODEN FISHING BRIDGE PIER THRU INTERSECTION OF CUT - 42 (DAMES PT. - FULTON CUT - OFF

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

Rev.	Symbol	Zone

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

Designed by: WRM
DWN by: WRM
Cad by: CMR
Ins. No.
Date: DEC 2016

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
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JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-059-HYB-SB-BDR.DGN
Reference files:
17-059-VH-001.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

BOUY-10 EMERGENCY EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

INDEX, LOCATION AND VICINITY

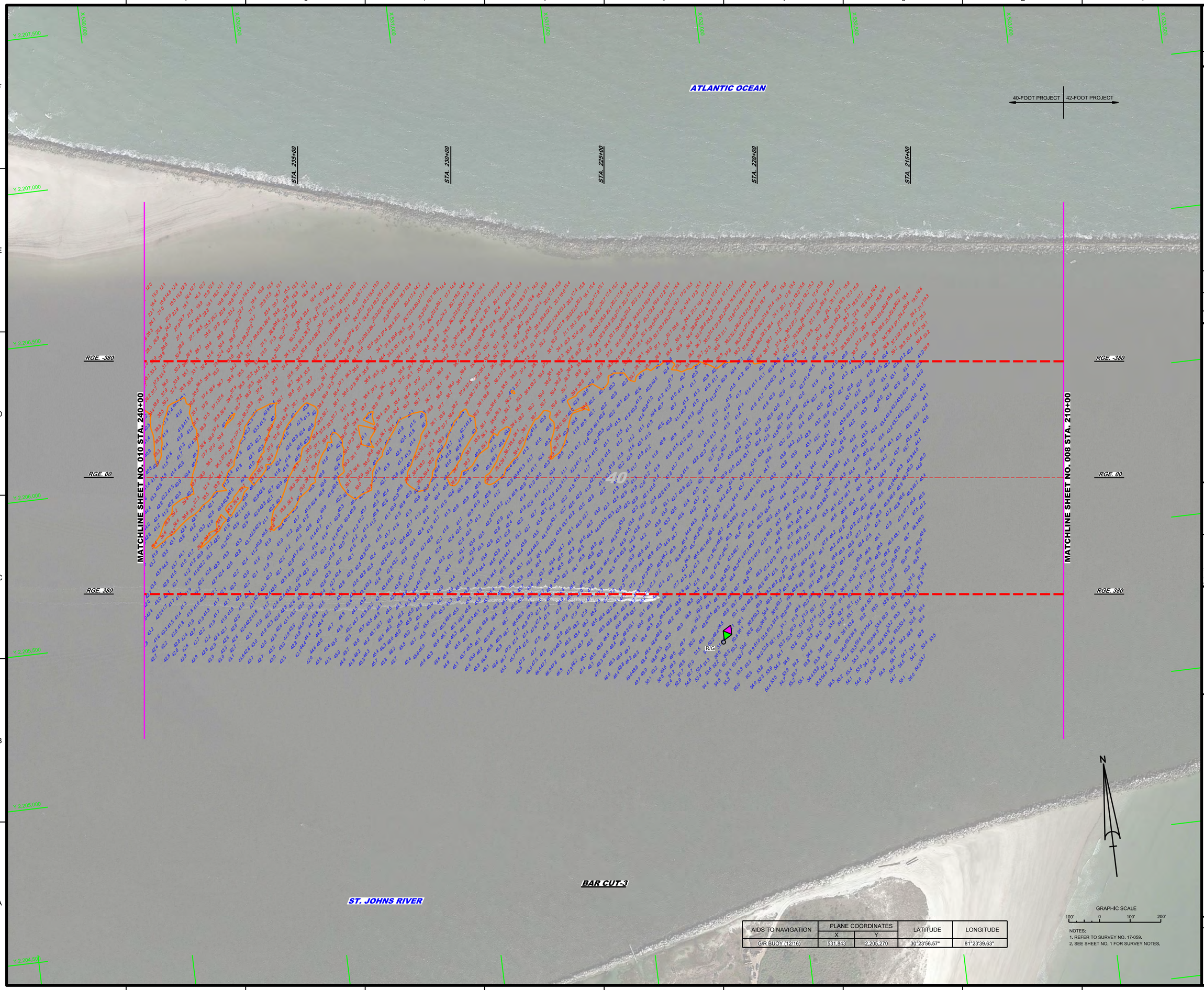
MAP

Scale: AS SHOWN

Drawing no.

1 / 30

SHEET 01 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
G/R BUOY (12/16)	531,843	2,205,270	30°23'56.57"	81°23'39.63"

NOTES:
1. REFER TO SURVEY NO. 17-059.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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JACKSONVILLE, FLORIDA

Rev. Symbol | Zone

Checked by: GMR
Drafted by: WRM
DWN by: WRM
Rev. No.
Date: DEC 2016

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
17-059-NAV.DGN
17-059-SURVEY.DGN
17-059-AS-SOUN_EC3.DSN
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Reference files:
17-059-VHA09.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

BOUY-10 EMERGENCY EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 210+00 THRU STA. 240+00 BAR CUT-3

PLAN

Scale: AS SHOWN

Drawing no.

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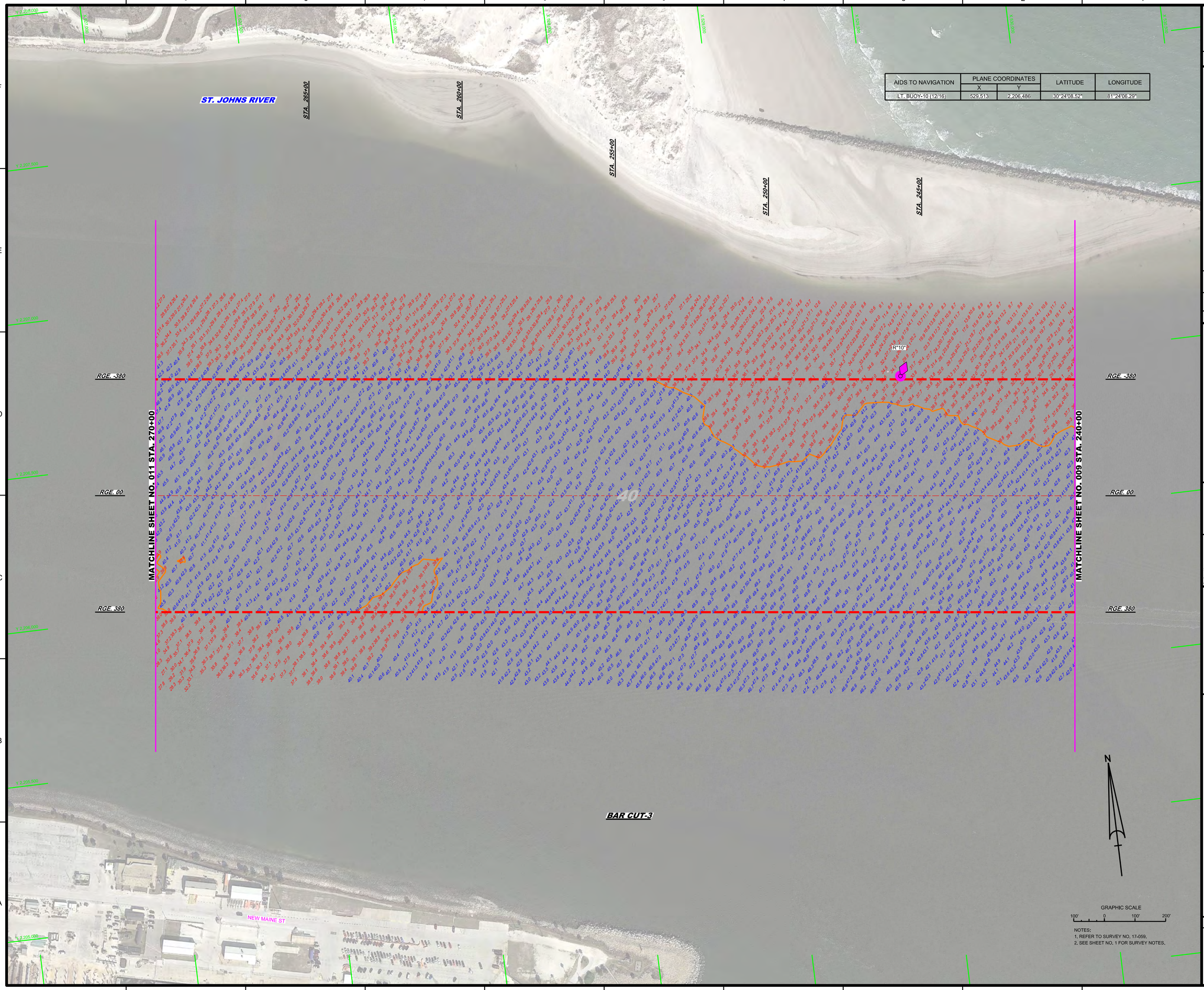
SHEET 09 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (12/16)	529,513	2,206,486	30°24'08.52"	81°24'06.29"

NOTES:
1. REFER TO SURVEY NO. 17-059.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Configured by: WRM
DWN by: WRM
Chk by: GMR
Rev. No.
Date: DEC 2016

XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
17-059-ACON40.DGN
17-059-ACON40.DGN
17-059-AQUALEC3.DSN
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17-059-C-BR-BRDR.DGN
Reference files:
File: name:
17-059-VHa310.DGN

JACKSONVILLE HARBOR, FLORIDA

BOUY-10 EMERGENCY EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 240+00 THRU STA. 270+00 BAR CUT-3

PLAN

Scale: AS SHOWN

Drawing no.

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SHEET 10 OF 57