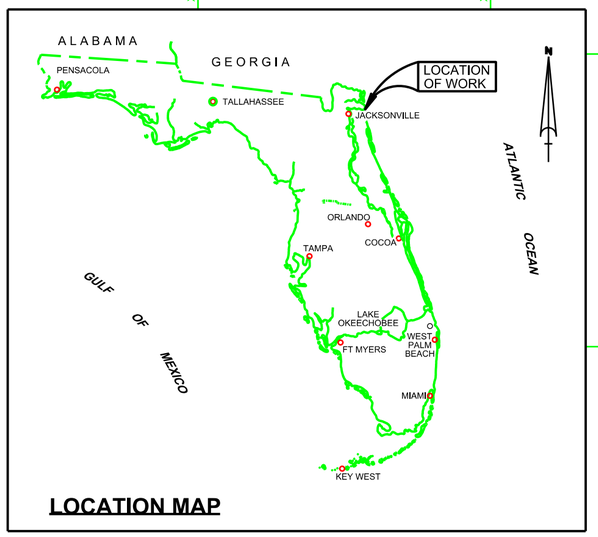
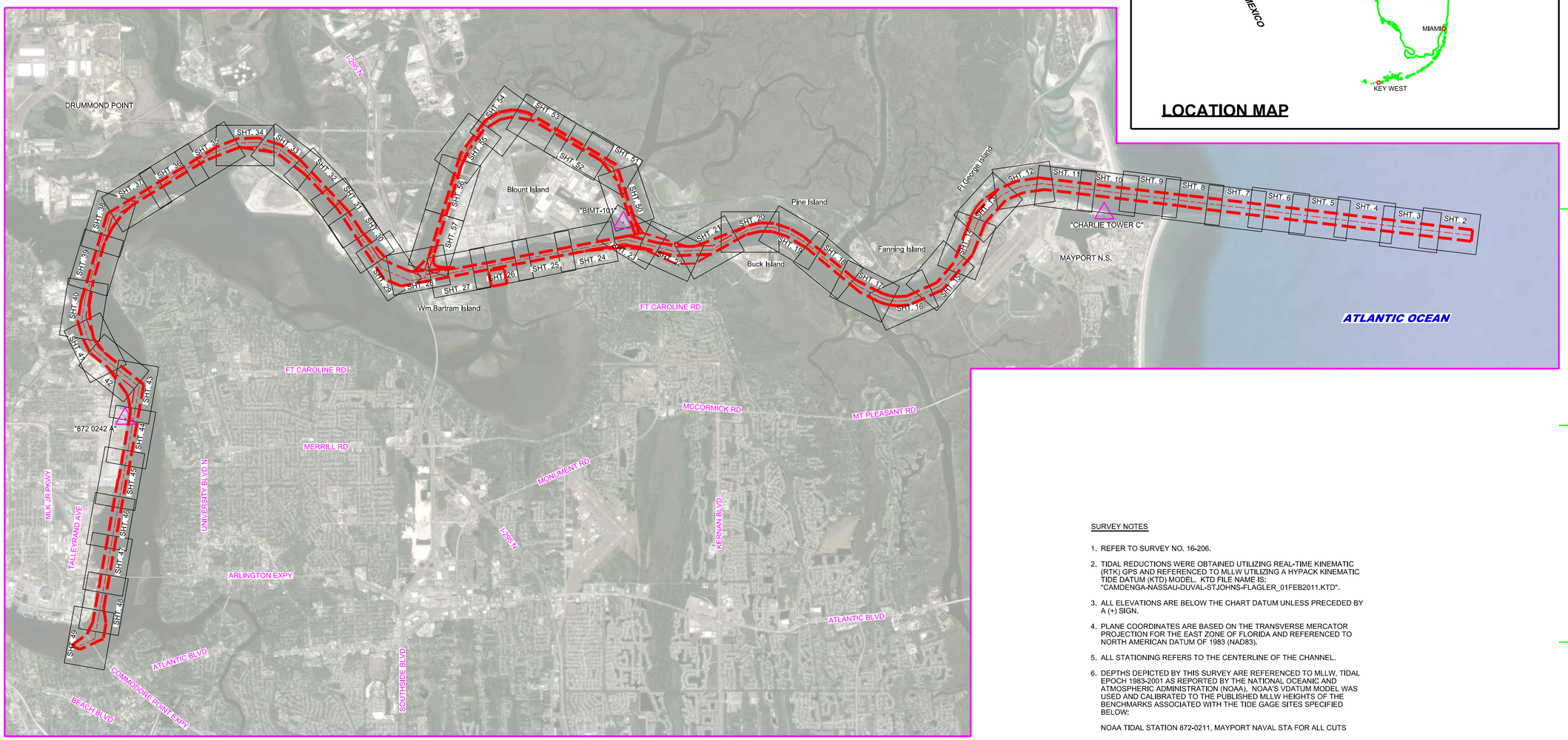
JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EMERGENCY SURVEY FY16



LOCATION MAP



SURVEY NOTES

1. REFER TO SURVEY NO. 16-206.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.KTD".
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. 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 872-0211, MAYPORT NAVAL STA FOR ALL CUTS

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835C SMART SOUNDER DUAL FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	08 OCT 2016	BC-3, STA. 0+00 - 210+00
FLORIDA II	08 OCT 2016	BC-3, STA. 190+00 THRU CUT-19
SB-48	09 OCT 2016	CUT-39 THRU CUT-44, CUTS A, B, F, G, BACK RIVER
SB-46	09 OCT 2016	CUT-45 THRU TERMINAL CH.

7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

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

   REFERENCE BASE LOCATED AT "BIMT-101" (PID: BBBX61)

   REFERENCE BASE LOCATED AT "872 0242A" (OPUS PID: BBBZ31)
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 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

No.	Symbol	Zone

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

Chief by: CMR
Designed by: VRM
DWN by: VRM
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CeSe-BRDR.DGN
Reference files:
T5-206-VH-001.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

INDEX, LOCATION AND VICINITY

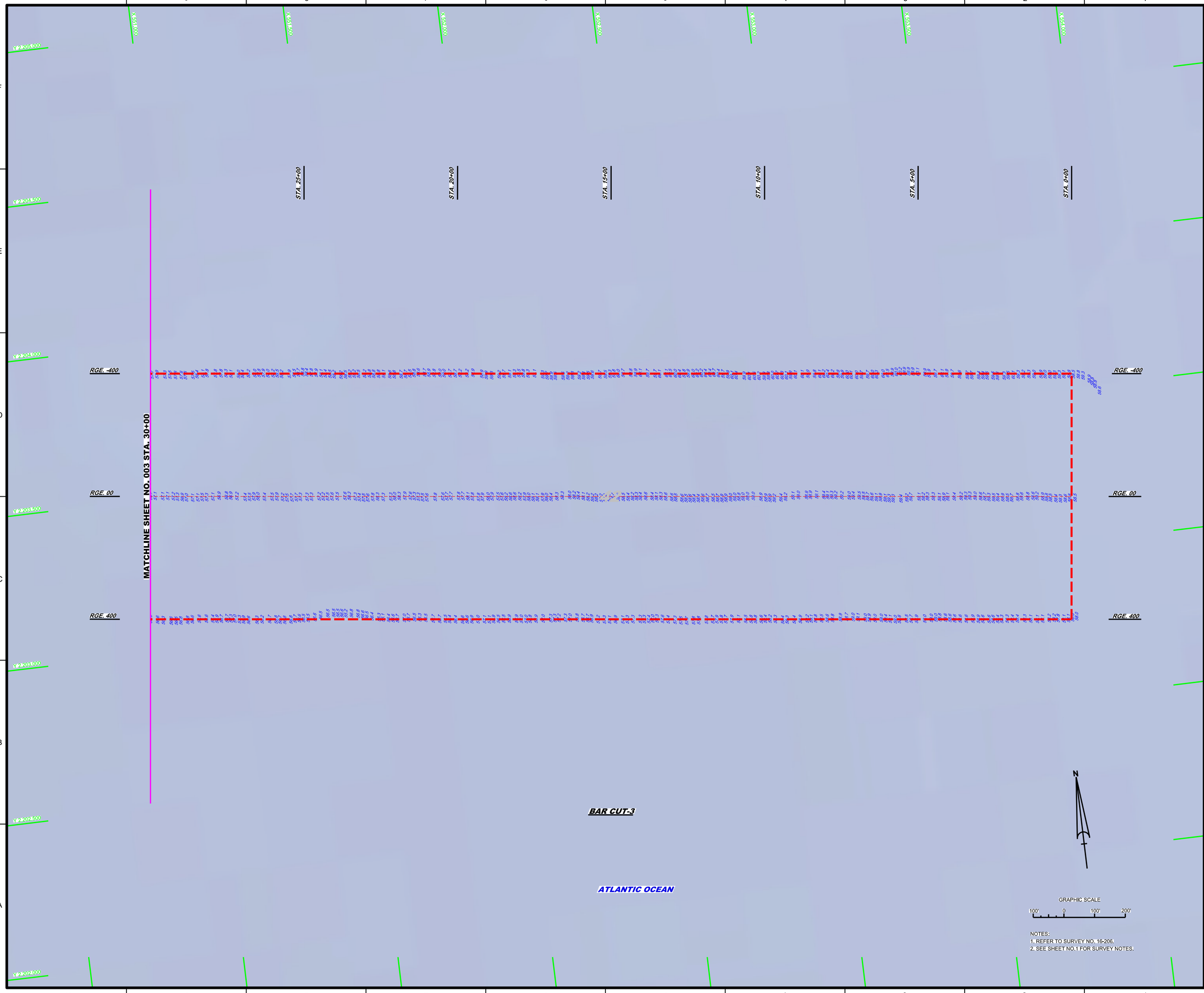
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

Reference files:
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
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16-206-CES-BNDR.DGN

File name: 16-206-VH-002.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 0+00 THRU STA. 30+00 BAR CUT-3

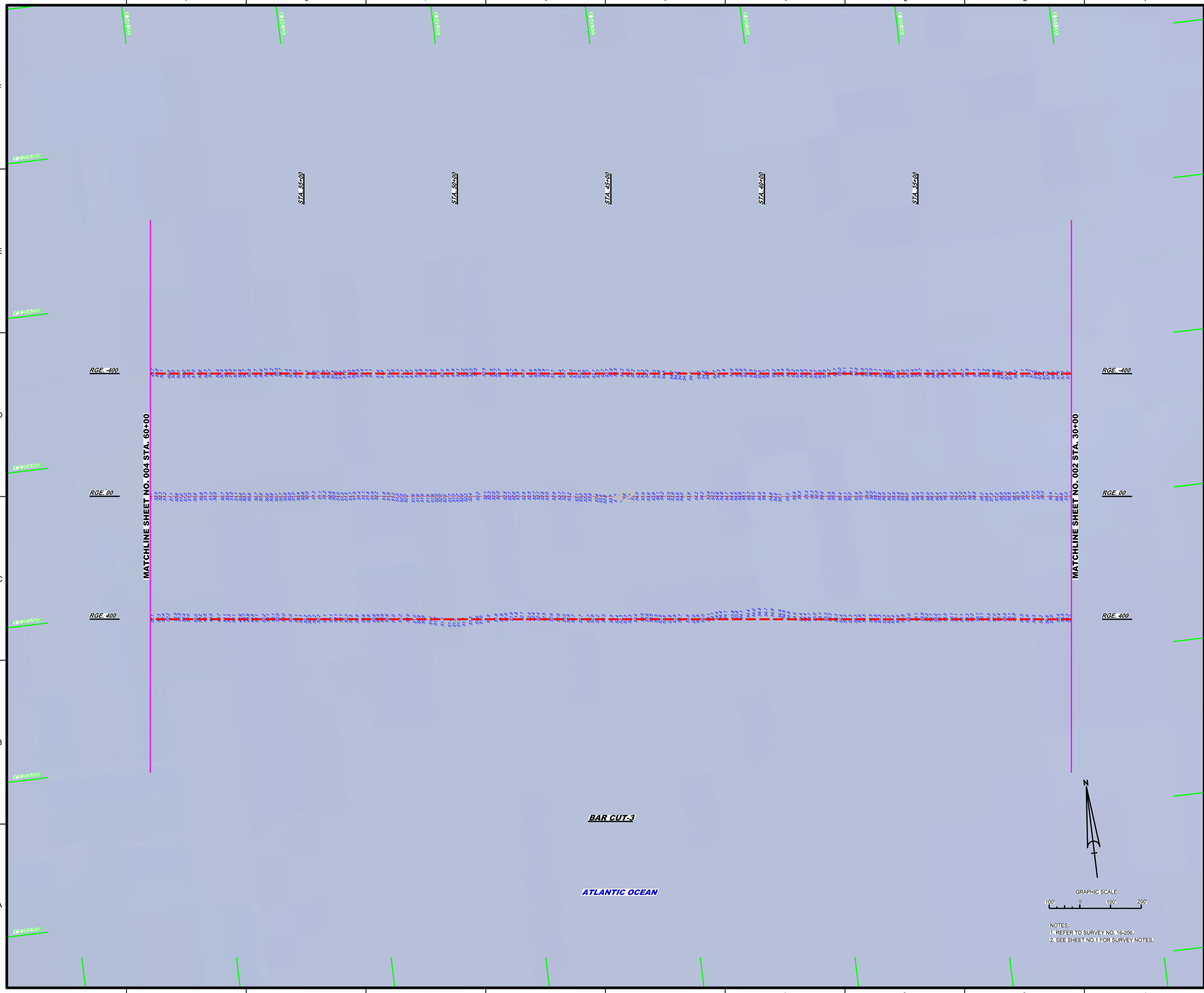
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

J:\XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
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16-206-C-ES-BRDR.DGN
Reference files:
15-206-VH-003.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 30+00 THRU STA. 60+00 BAR CUT-3

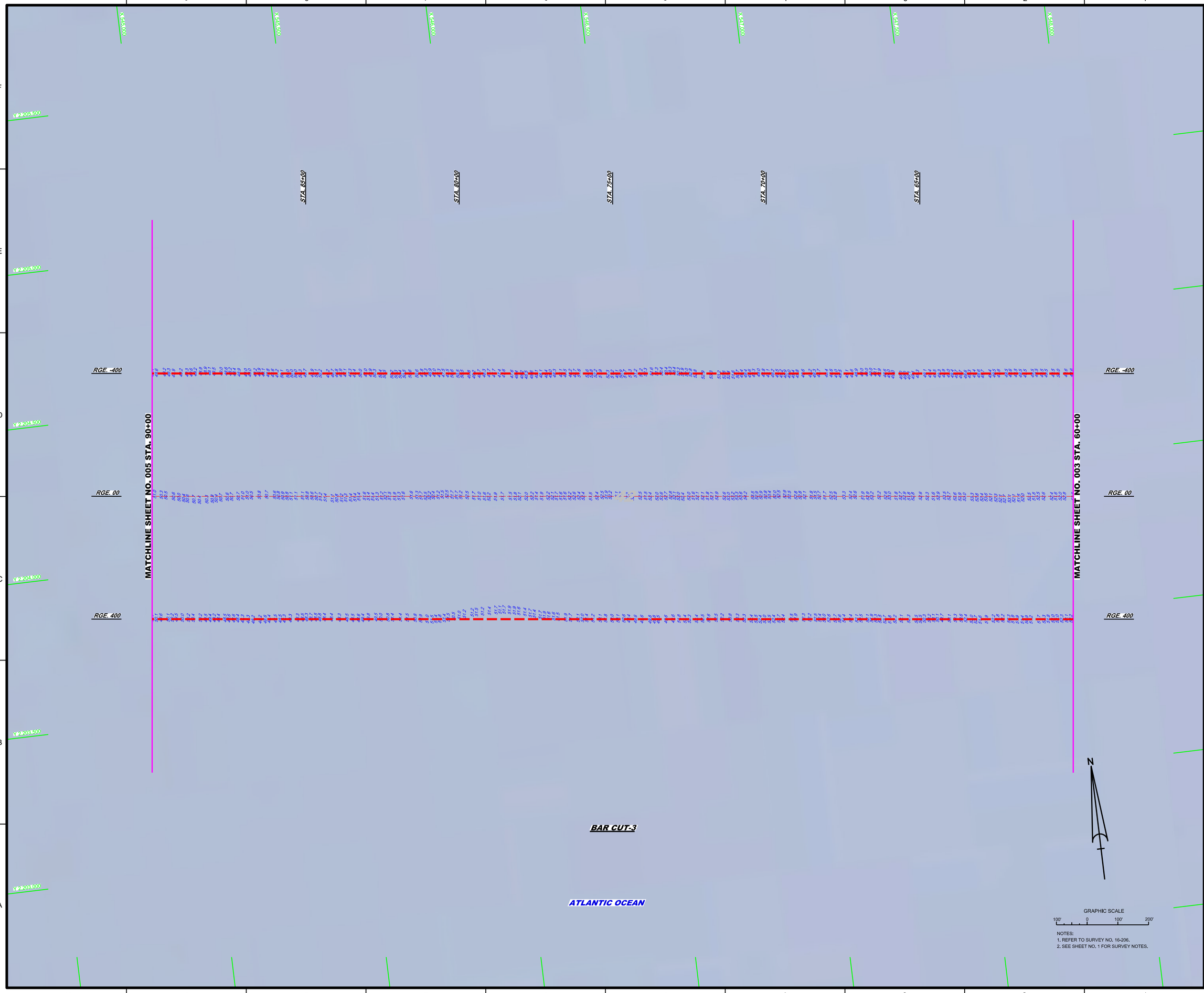
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

J:\XXXXXXXX-X-XXXXXX.DGN
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16-206-C-ES-BRDR.DGN
Reference files:
16-206-VH-004.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 60+00 THRU STA. 90+00 BAR CUT-3

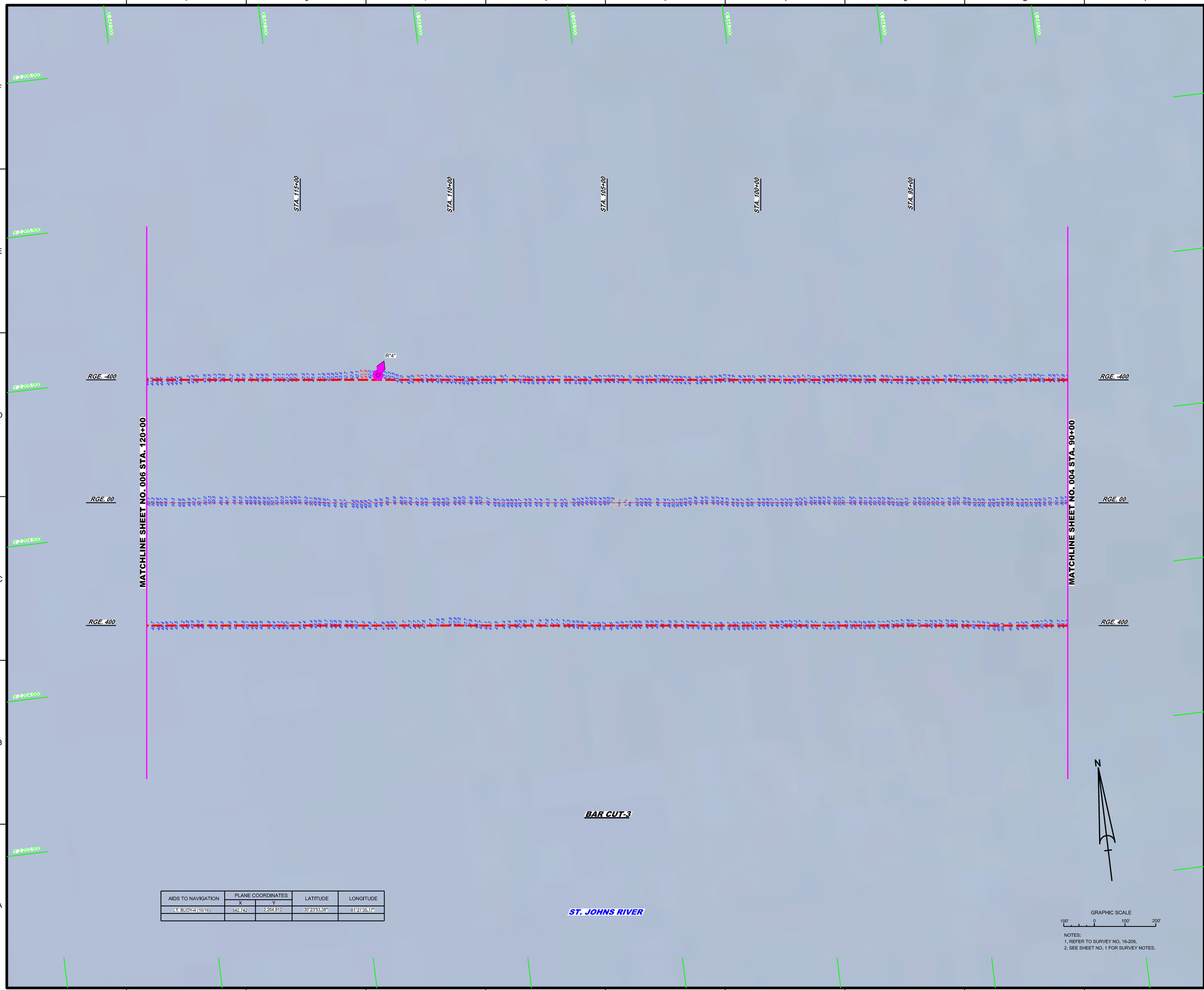
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-4 (10/16)	542,742	2,204,912	30°23'53.38"	81°21'35.17"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
16-206-V-SOUN_BC3_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BNDR.DGN
Reference files:

16-206-VH-005.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 90+00 THRU STA. 120+00 BAR CUT-3

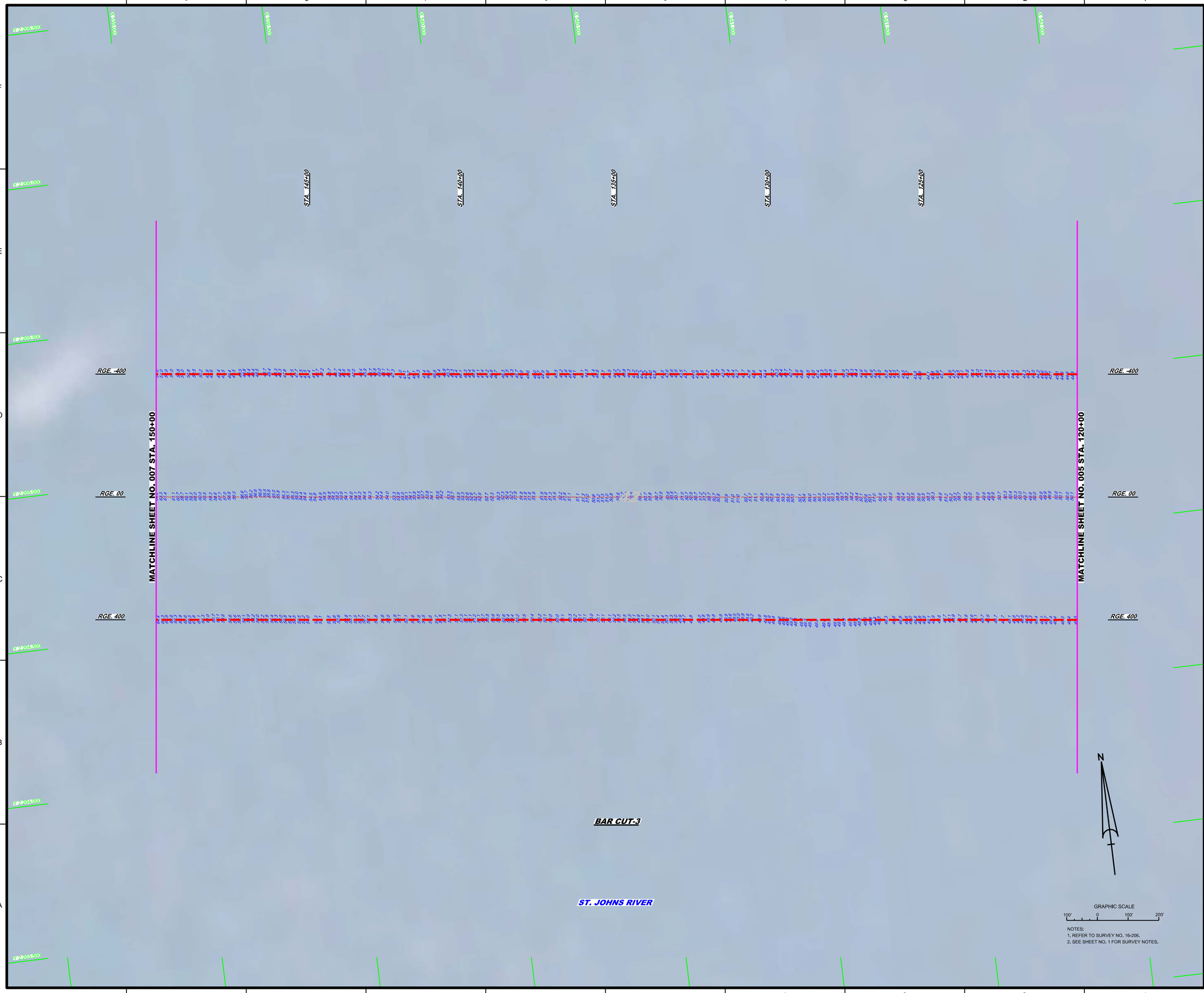
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 35 OF 54



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

J:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
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16-206-CES-SRDR.DGN
Reference files:
16-206-VH-006.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 120+00 THRU STA. 150+00 BAR CUT-3

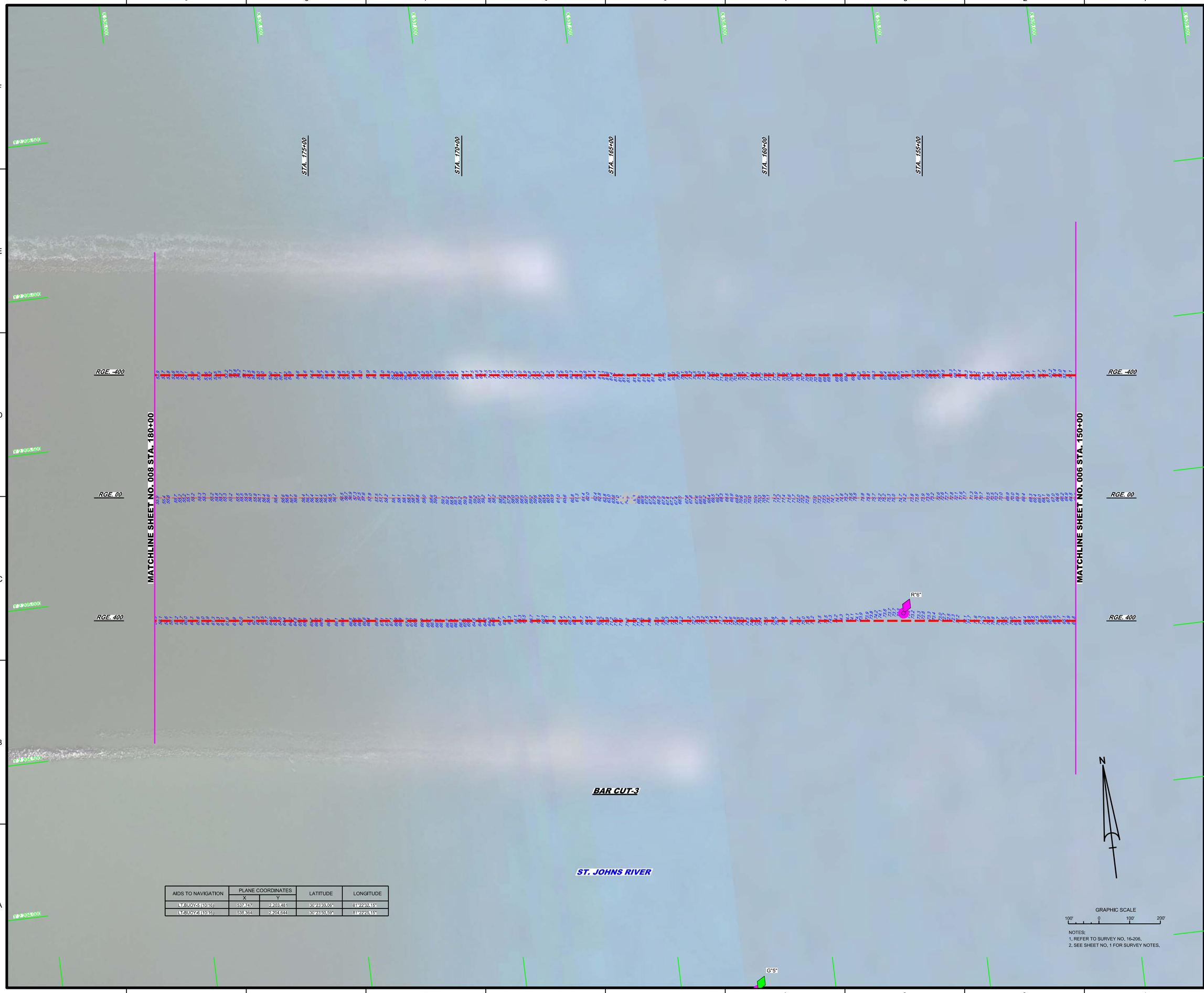
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-BUOY-5 (10'16)	537,747	2,203,481	30°23'39.06"	81°22'32.15"
LT-BUOY-5 (10'16)	538,364	2,204,644	30°23'50.59"	81°22'25.15"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

Reference files:
16-206-HYDROSURVEY.DGN
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JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CESHIPDR.DGN

File name: 15-206-VH-007.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 150+00 THRU STA. 180+00 BAR CUT-3

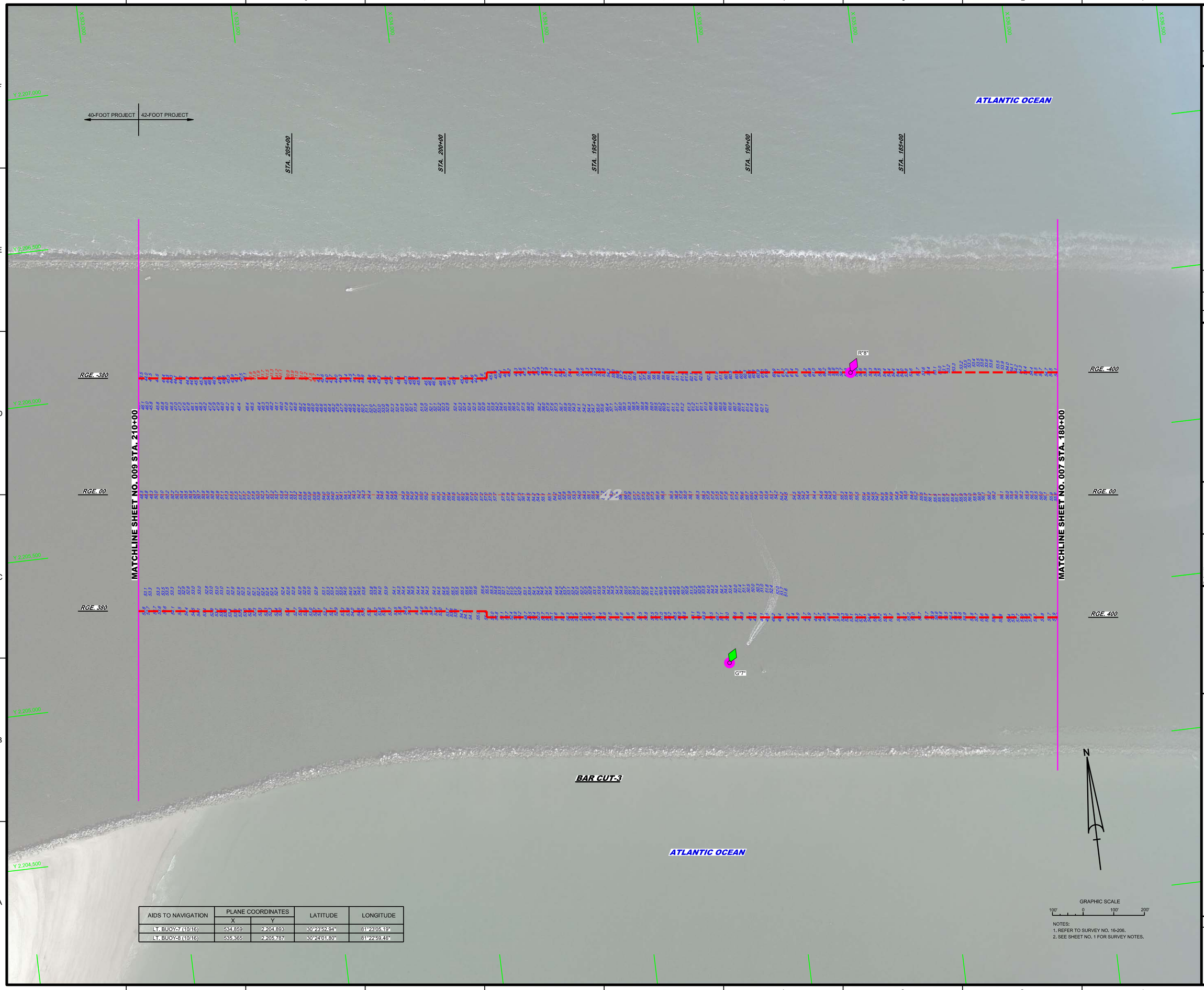
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (10/16)	534,859	2,204,893	30°23'52.94"	81°23'05.19"
LT. BUOY-8 (10/16)	535,365	2,205,787	30°24'01.80"	81°22'59.46"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

I:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
16-206-14-NAV.DGN
15-206-14-SOUN_BC3-C1_HF.DGN
15-206-14-SOUN_BC3-C18_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C4S-BNDR.DGN
Reference files:
15-206-VH-008.DGN
File name:

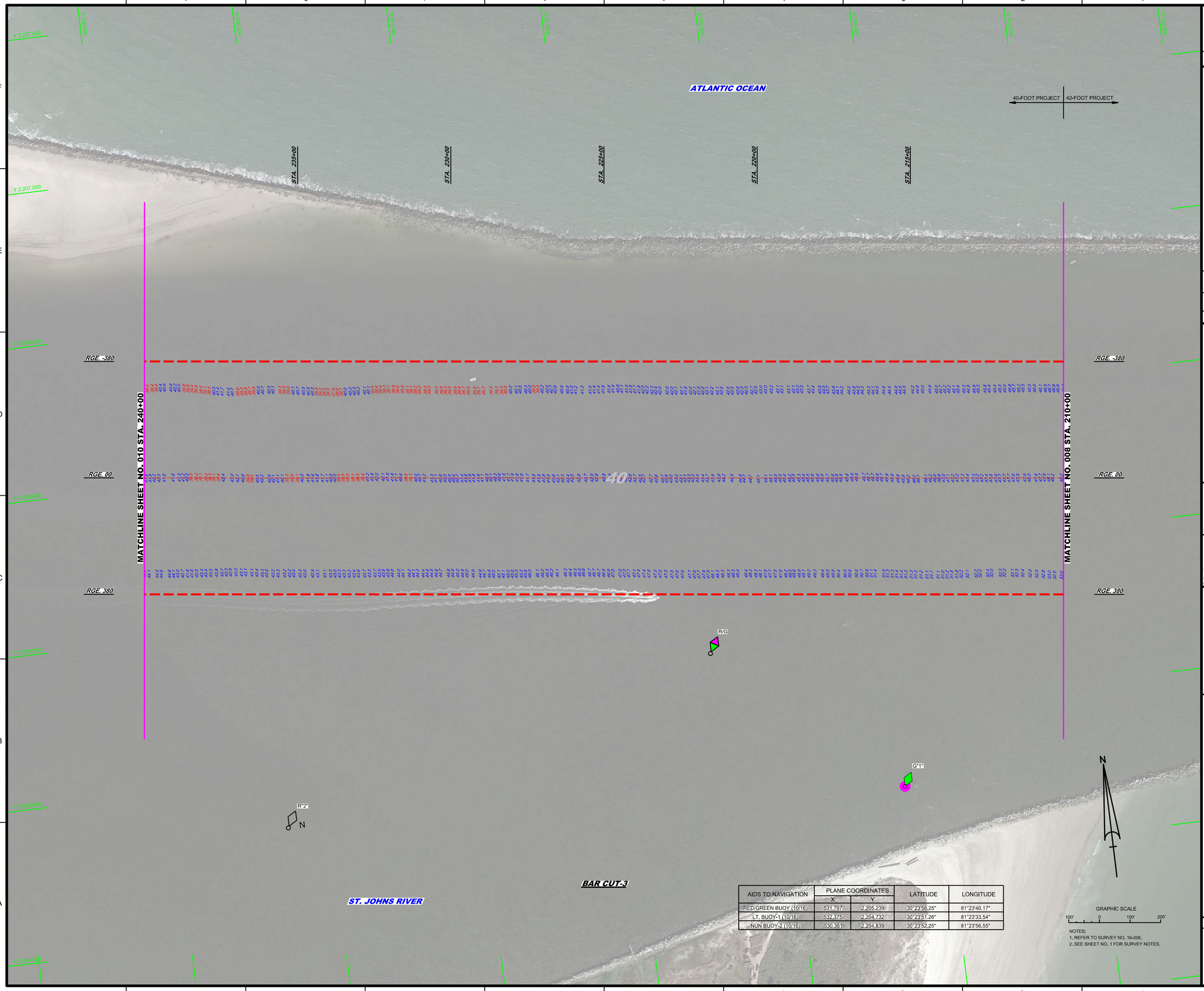
JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 180+00 THRU STA. 210+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
8

SHEET 08 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
RED/GREEN BUOY (10/16)	531,797	2,205,239	30°23'56.25"	81°23'40.17"
LT. BUOY-1 (10/16)	532,375	2,204,732	30°23'51.26"	81°23'33.54"
NUN BUOY-2 (10/16)	530,361	2,204,839	30°23'52.25"	81°23'56.55"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
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XXXXXXXXXXXXXXXX.DGN
16-206-A-SOUN_ECS-C19_HF.DGN
JAX/HBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-A-BS-BRGR.DGN
Reference files
15-206-VH-009.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

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

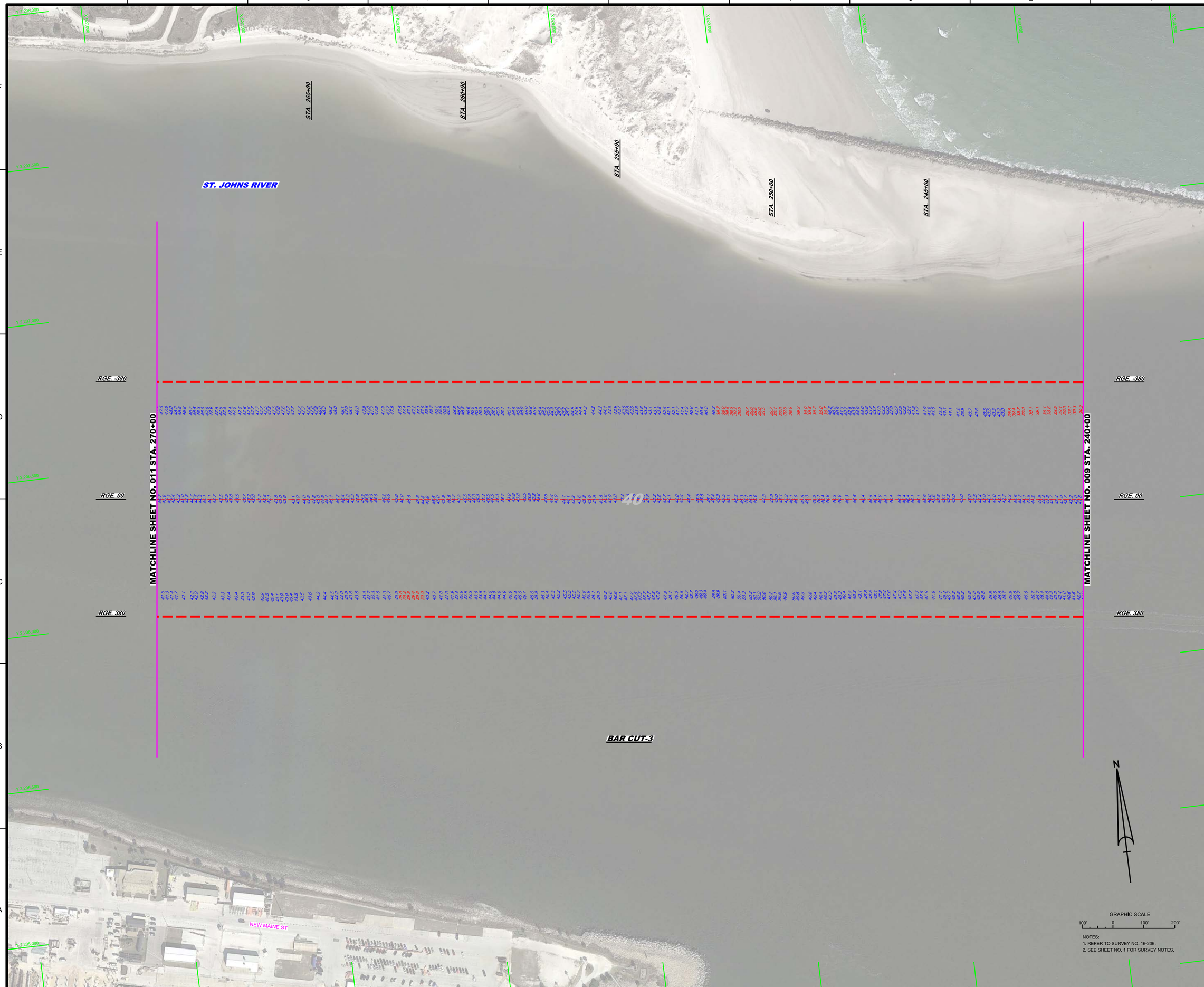
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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'd by: CMR
Rev. No.
Date: OCT 2016

J:\XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXX-X-XXXXX.DGN
XXXXXX-X-XXXXX.DGN
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16-206-C-BS-BRDR.DGN
Reference files:
16-206-VH-010.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

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

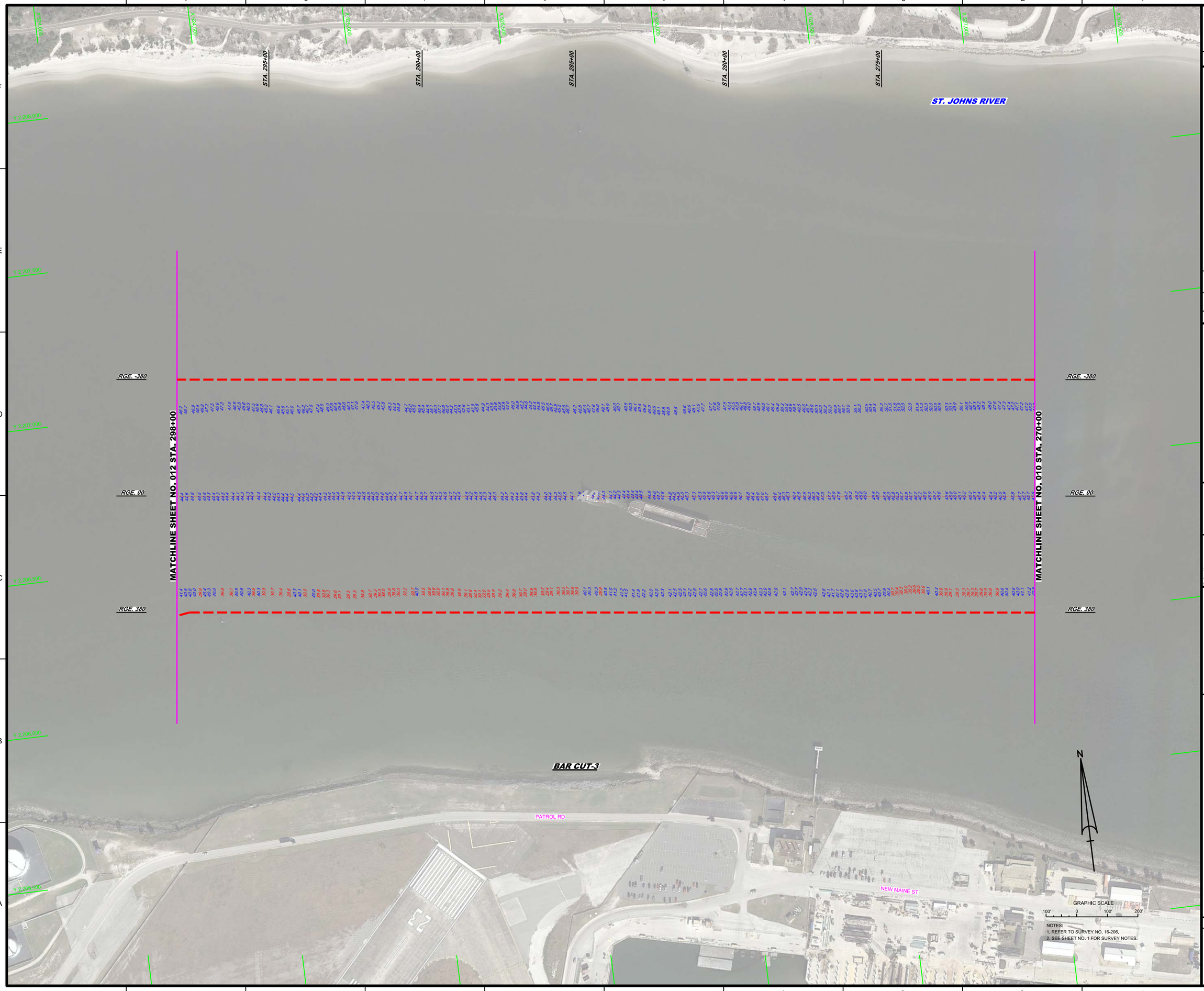
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XXXXXXXXXXXXXXXXXX.DGN
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XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
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JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C45-BRDR.DGN
Reference files:
16-206-VH011.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 270+00 THRU STA. 298+00 BAR CUT-3

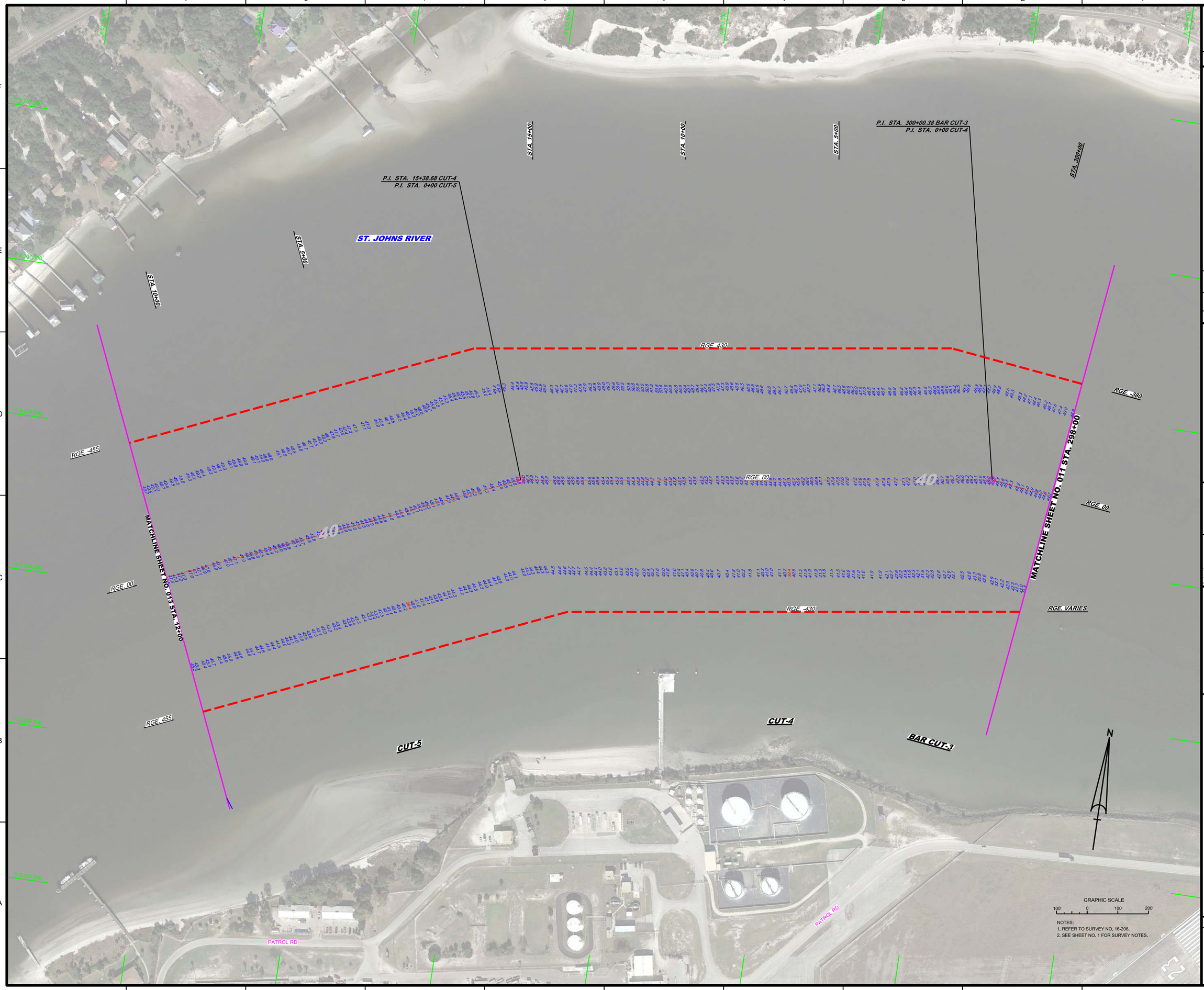
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
16-206-XXXXXXXXXXXXXX.DGN
16-206A-SUN_BCS-C19_HF.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
Reference files:
16-206-CABS-BRDR.DGN
File name:
16-206-VH-012.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 298+00 BAR CUT-3 THRU STA. 12+00 CUT-5

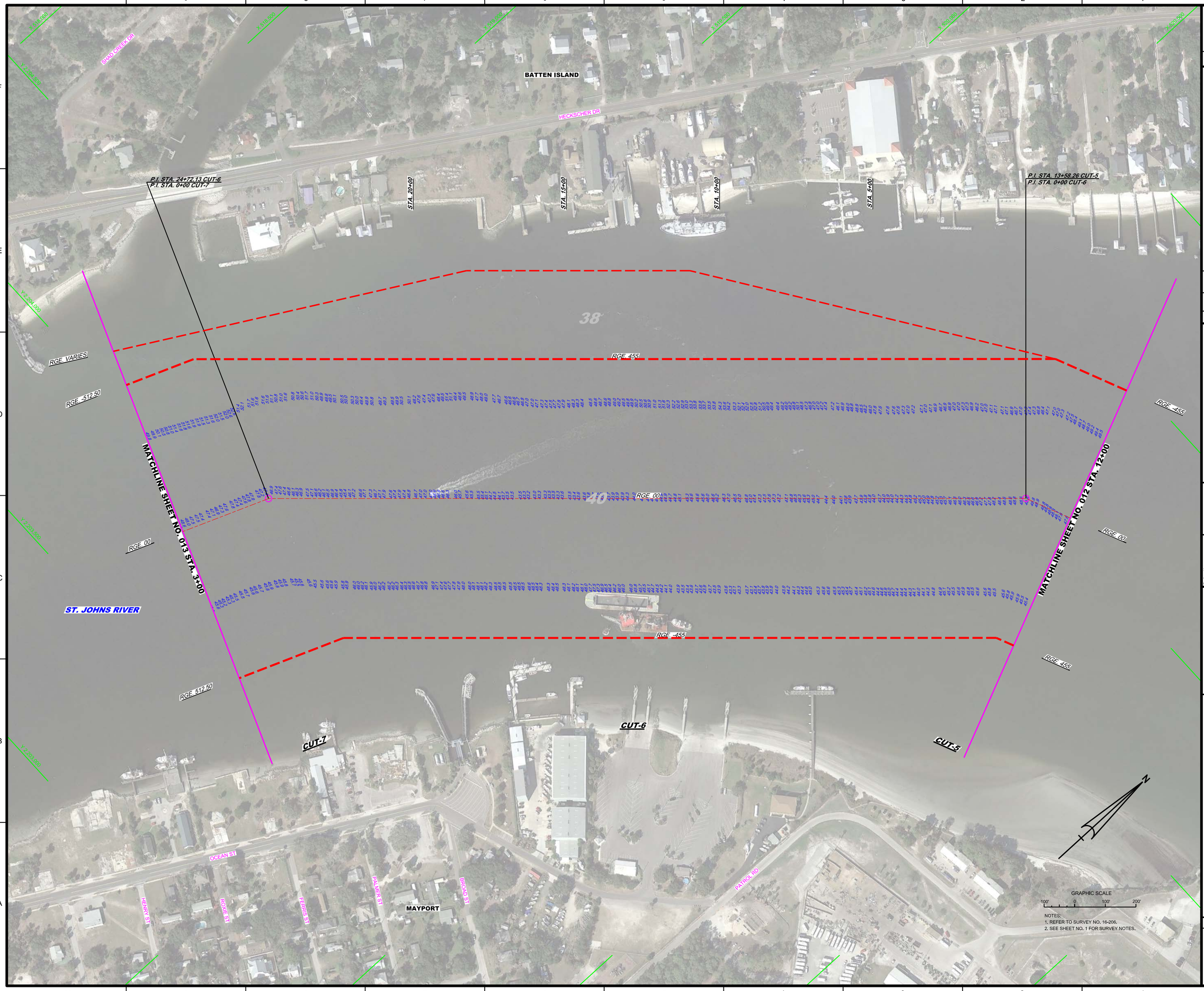
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 57



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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
16-206-V-SOUN_BCS-C19_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BNDR.DGN
Reference files:
16-206-V-H-013.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 12+00 CUT-5 THRU STA. 3+00 CUT-7

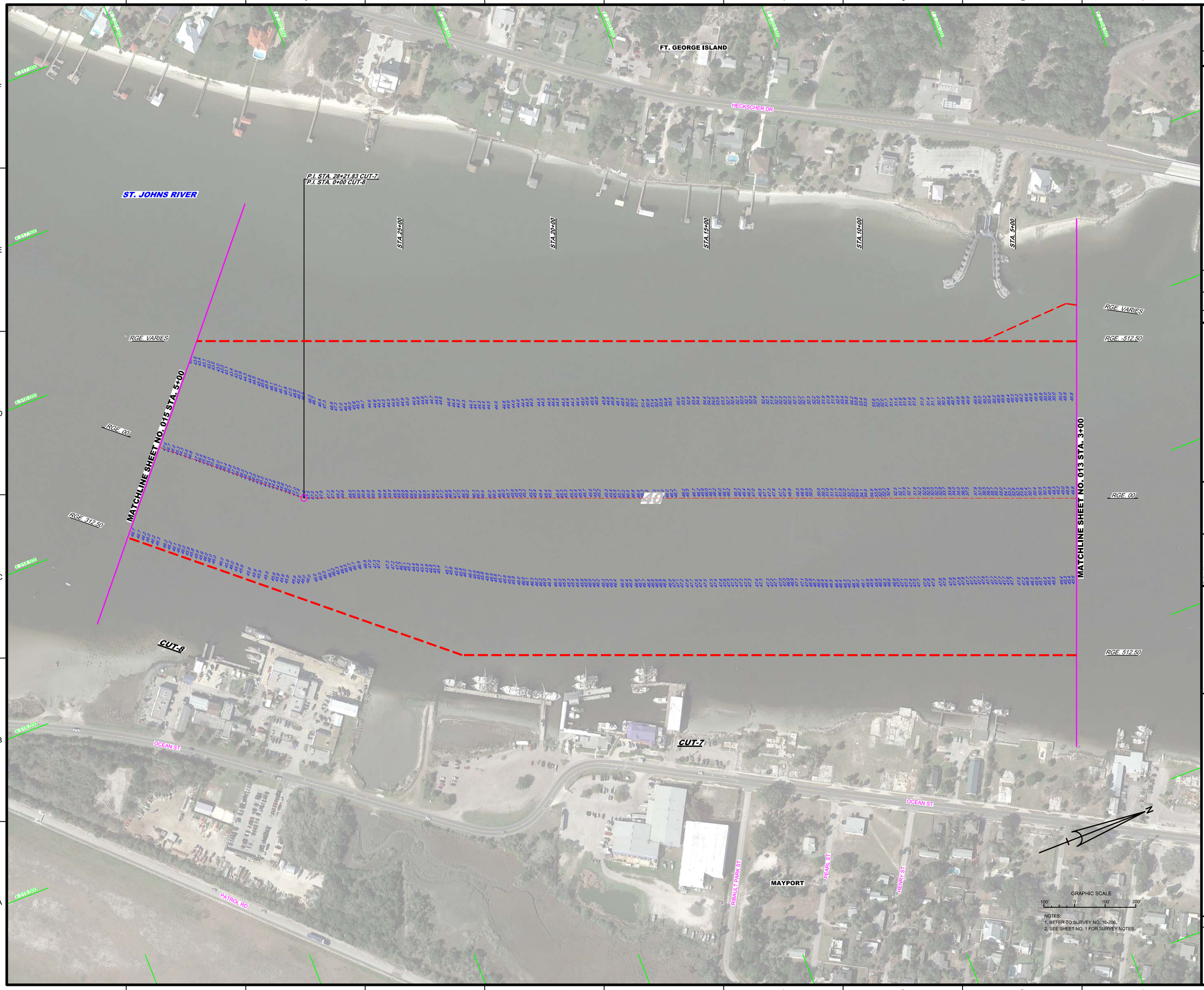
PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 57



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.
Date: OCT 2016

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
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16-206-A-SQN_ECS-C10_HF.DGN
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16-206-C-BS-BRDR.DGN
Reference files:
16-206-VR-014.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 3+00 CUT-7 THRU STA. 5+00 CUT-8

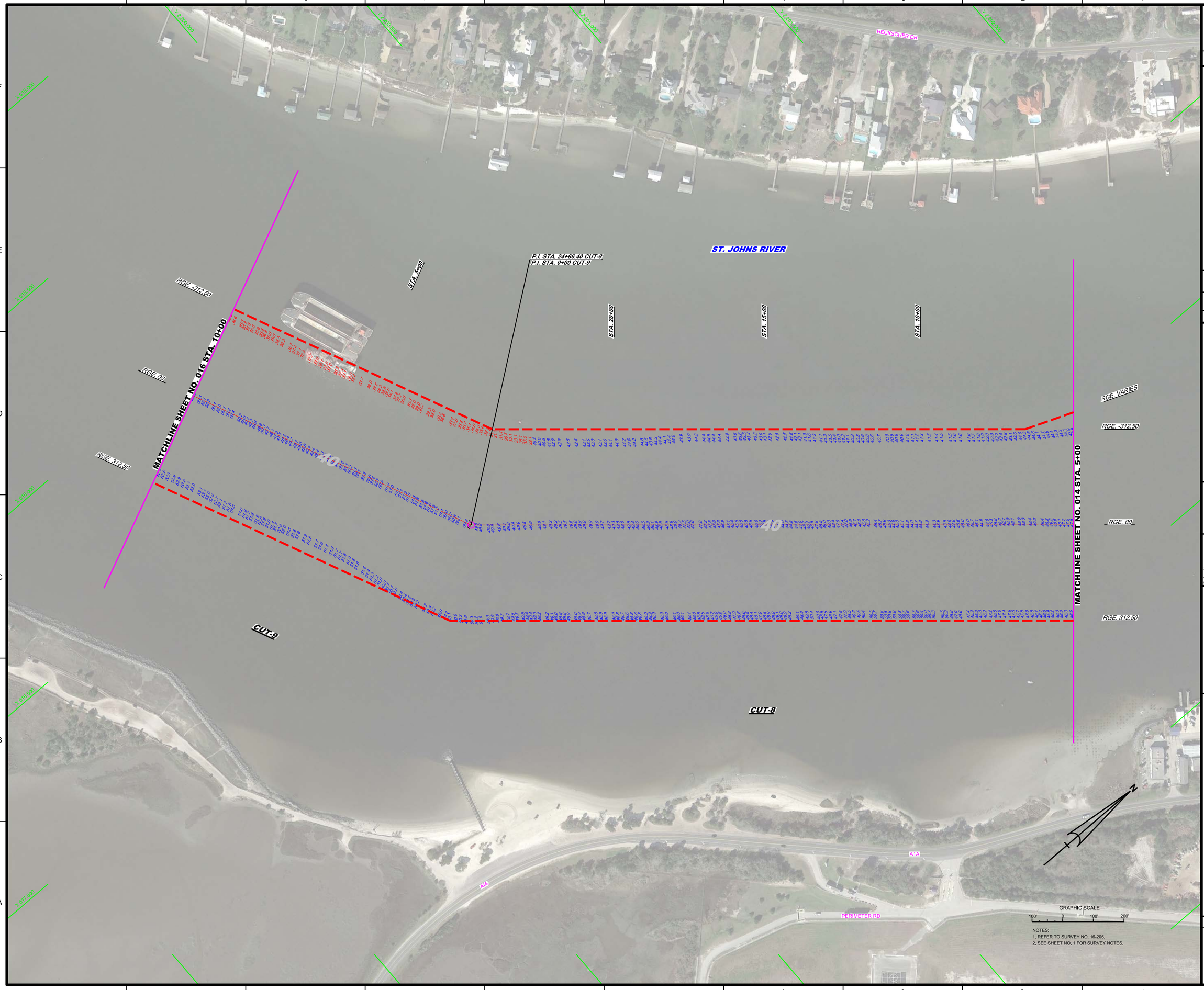
PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

Reference files:
J:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
16-206-V-SOUN_BCS-C19_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BNDR.DGN

File name: 15-206-VH-015.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 5+00 CUT-8 THRU STA. 10+00 CUT-9

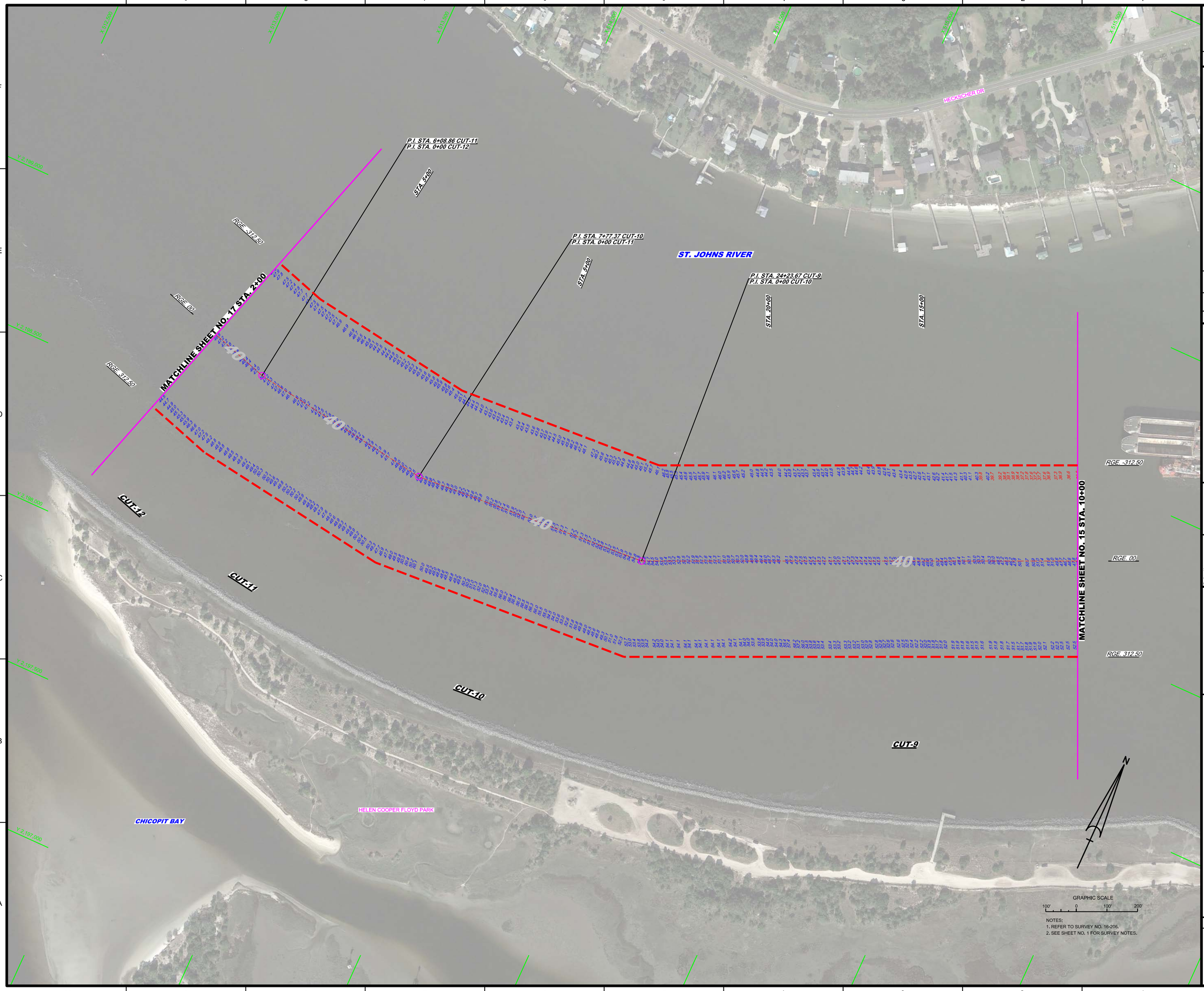
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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'd by: CMR
Rev. No.
Date: JAN 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
16-206-1-SOUN_BCS-C19.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-002-CES-SNDR.DGN
Reference files:
16-206-VH-016.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

ANNUAL EXAMINATION SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 CUT-9 THRU STA. 2+00 CUT-12

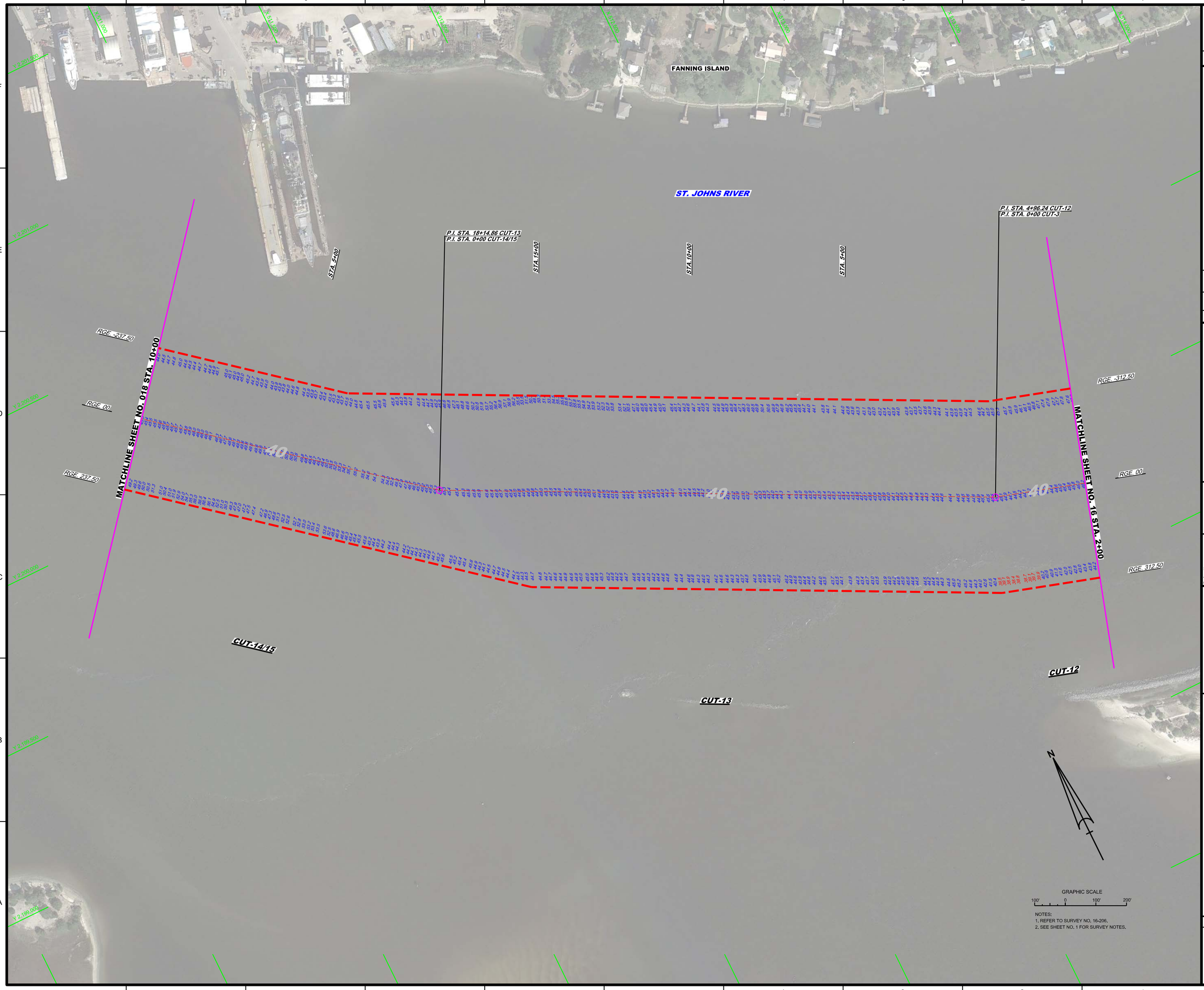
PLAN

Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: OCT 2016

XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
16-206-V-SOUN_BCS-C13.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BRDR.DGN
Reference files:
16-206-VH-017.DGN
File name:

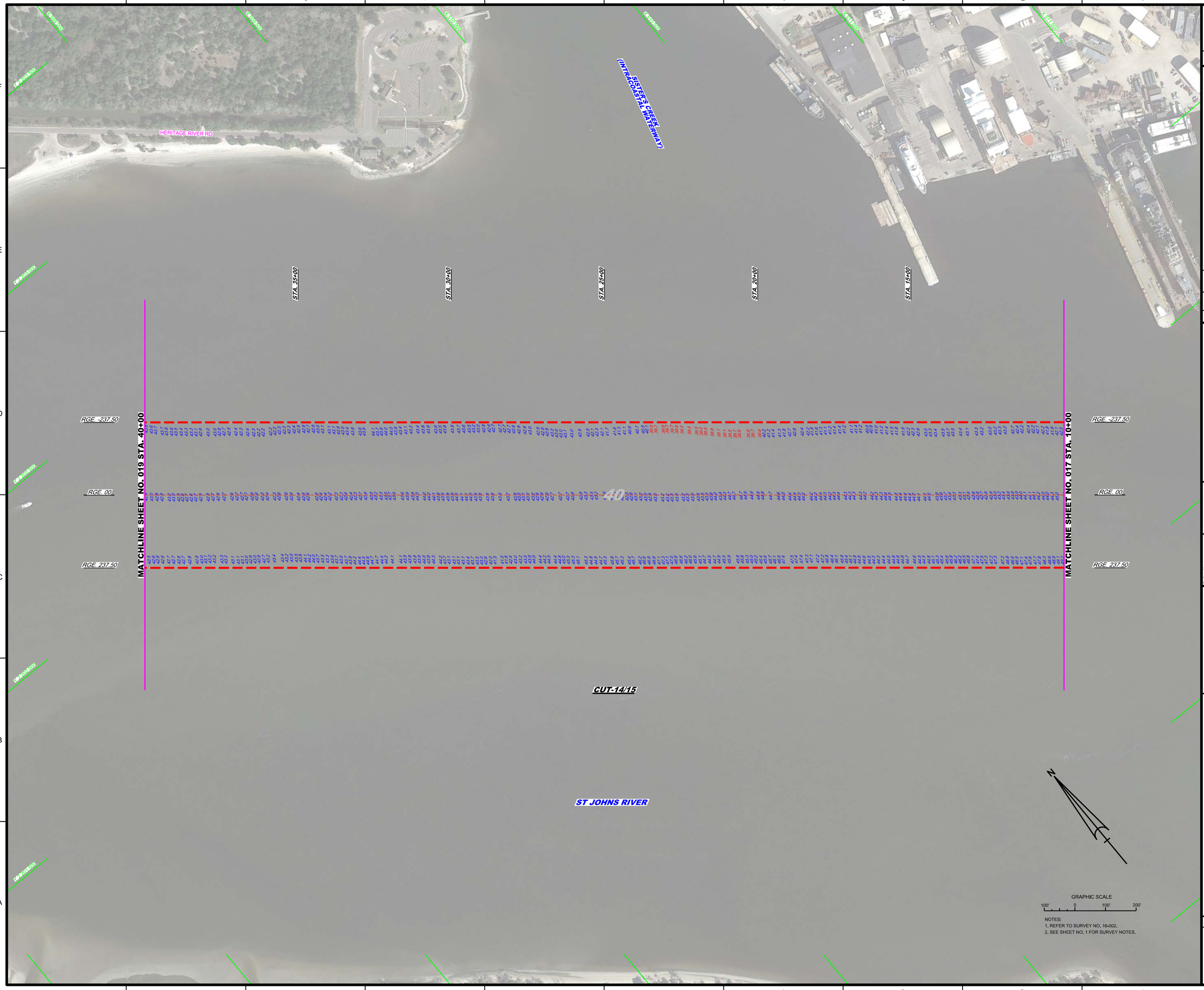
JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 2+00 CUT-12 THRU STA. 10+00 CUT14/15
PLAN

Scale: AS SHOWN

Drawing no.
17

SHEET 17 OF 57



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.
Date: OCT 2016

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
16-206-A-SQUA_ECS-CTR.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-A-BS-BRGR.DGN
Reference files:
15-206-A-H+015.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 THRU STA. 40+00 CUT-14/15

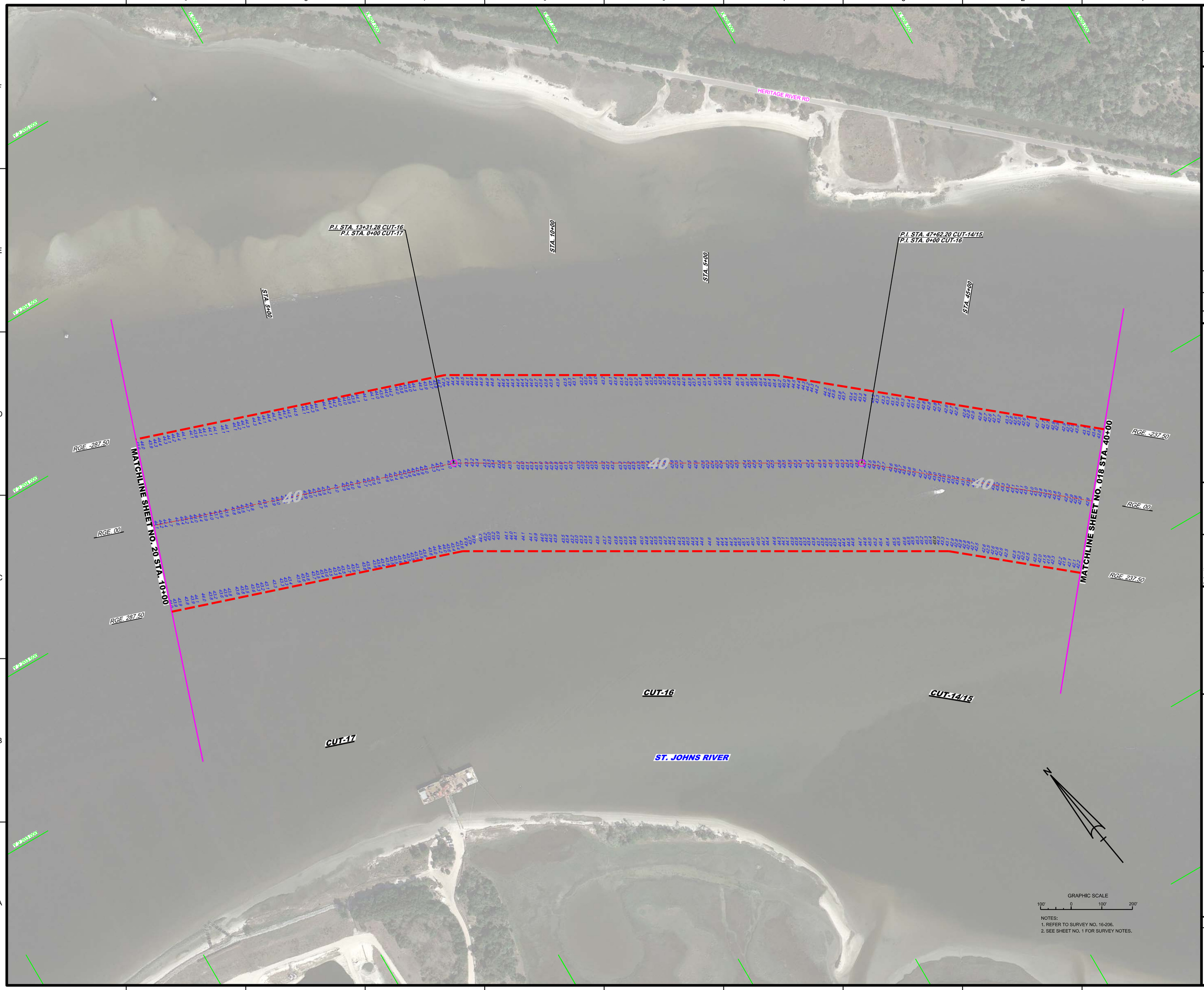
PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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
Drawn by: MRM
Chk'd by: GMR
Proj. No.
Date: OCT 2016

J:\XXXXX-X-XXXXXX.DGN
XXXXXX-X-XXXXXXX.DGN
XXXXXX-X-XXXXXXX.DGN
XXXXXX-X-XXXXXXX.DGN
XXXXXX-X-XXXXXXX.DGN
16-206A-ADCIR_ECO-C19.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206A-SBS-BRGR.DGN
References files:
File name: 15-206>>Hr019.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 40+00 CUT-14/15 THRU STA. 10+00 CUT-17

PLAN

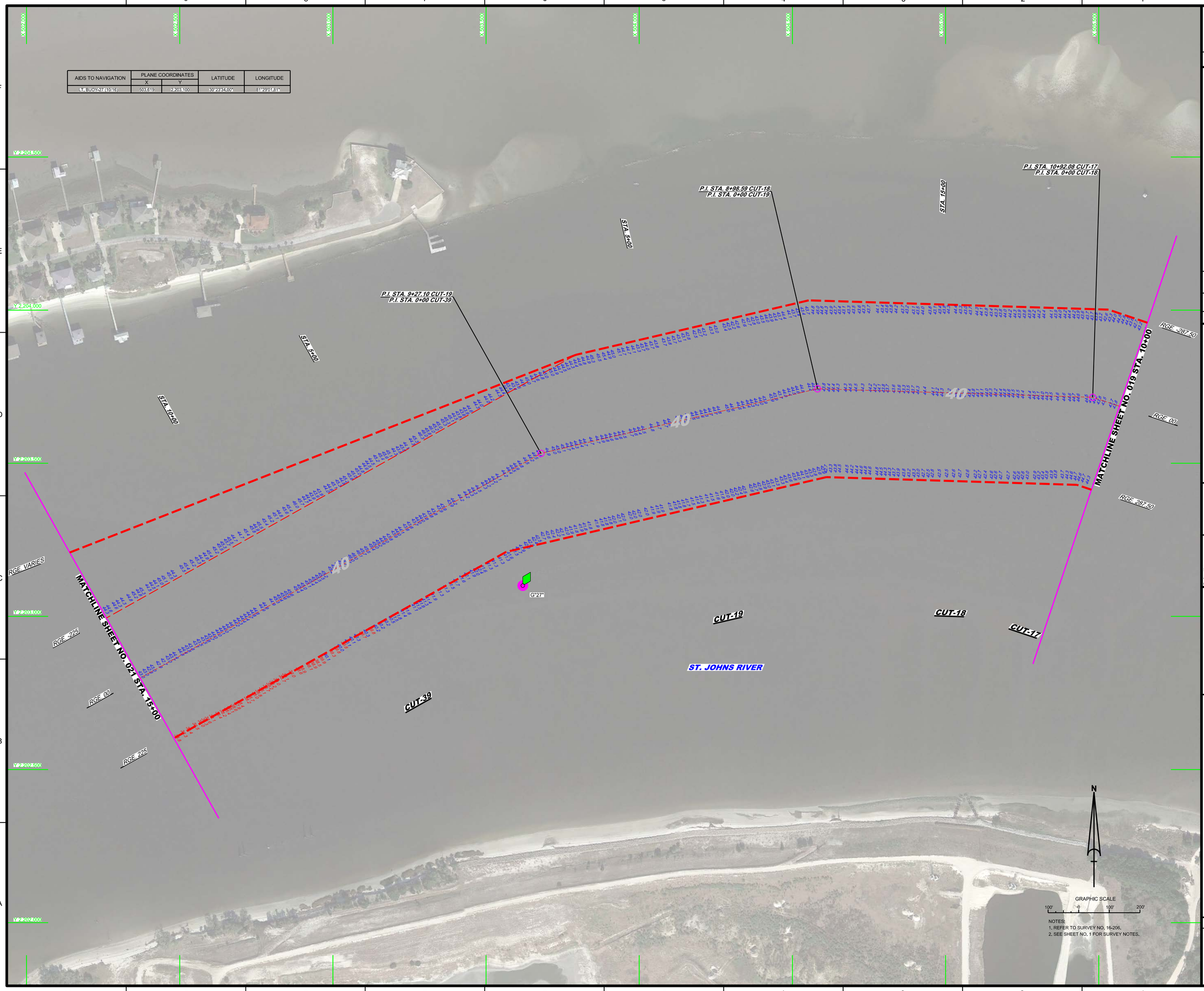
Scale: AS SHOWN

Drawing no.

19

SHEET 19 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-27 (10/16)	503,619	2,203,100	30°23'34.00"	81°29'01.81"



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
16-206-NAVI.DGN
16-206-NAVIGATION_Page_HF.DGN
16-206-NASOUN_BCS-C19.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CESBROR.DGN
Reference files:
16-206-VH020.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 10+00 CUT-17 THRU STA. 15+00 CUT-39

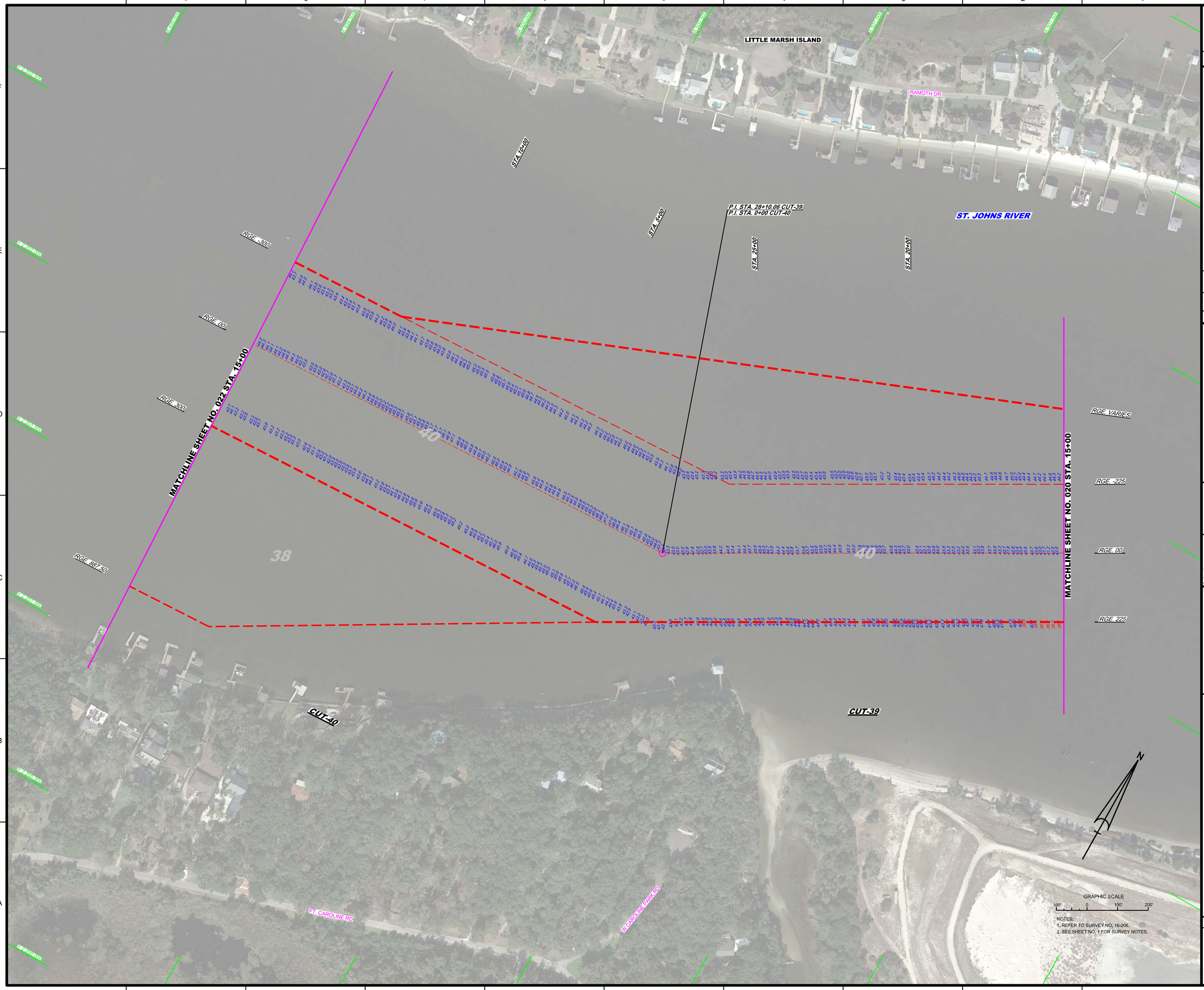
PLAN

Scale: AS SHOWN

Drawing no.

20

SHEET 20 OF 57



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: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: OCT 2016

XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
16-206-XX-SUN_C-04-01.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CABS-BRDR.DGN
Reference files:
16-206-VH-021.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 15+00 CUT-39 THRU STA. 15+00 CUT-40

PLAN

Scale: AS SHOWN

Drawing no.

21

SHEET 21 OF 57

LITTLE MARSH ISLAND

SHELL BAY RD

RAMOTH DR

P.I. STA. 25+98.10 CUT-40
P.I. STA. 0+00 CUT-41

STA. 20+00

STA. 5+00

STA. 10+00

STA. 15+00

R"34"

RGE. -300

ST. JOHN'S RIVER

RGE. 00

MATCHLINE SHEET NO. 021 STA. 15+00

RGE. 300

RGE. VARIES

38

40

MATCHLINE SHEET NO. 023 STA. 19+00

RGE. -300

RGE. 887.50

RGE. 00

RGE. 300

RGE. VARIES

CUT-40

CUT-41

CALYPSO ISLAND

MARINERS POINT

FULTON RD

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-34 (10/16)	-499,648	2,202,490	30°23'27.79"	81°29'47.12"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
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XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
15-206-H-SOUN_C3846_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ESHBRDR.DGN
Reference files:
15-206-VH022.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 15+00 CUT-40 THRU STA. 19+00 CUT-41

PLAN

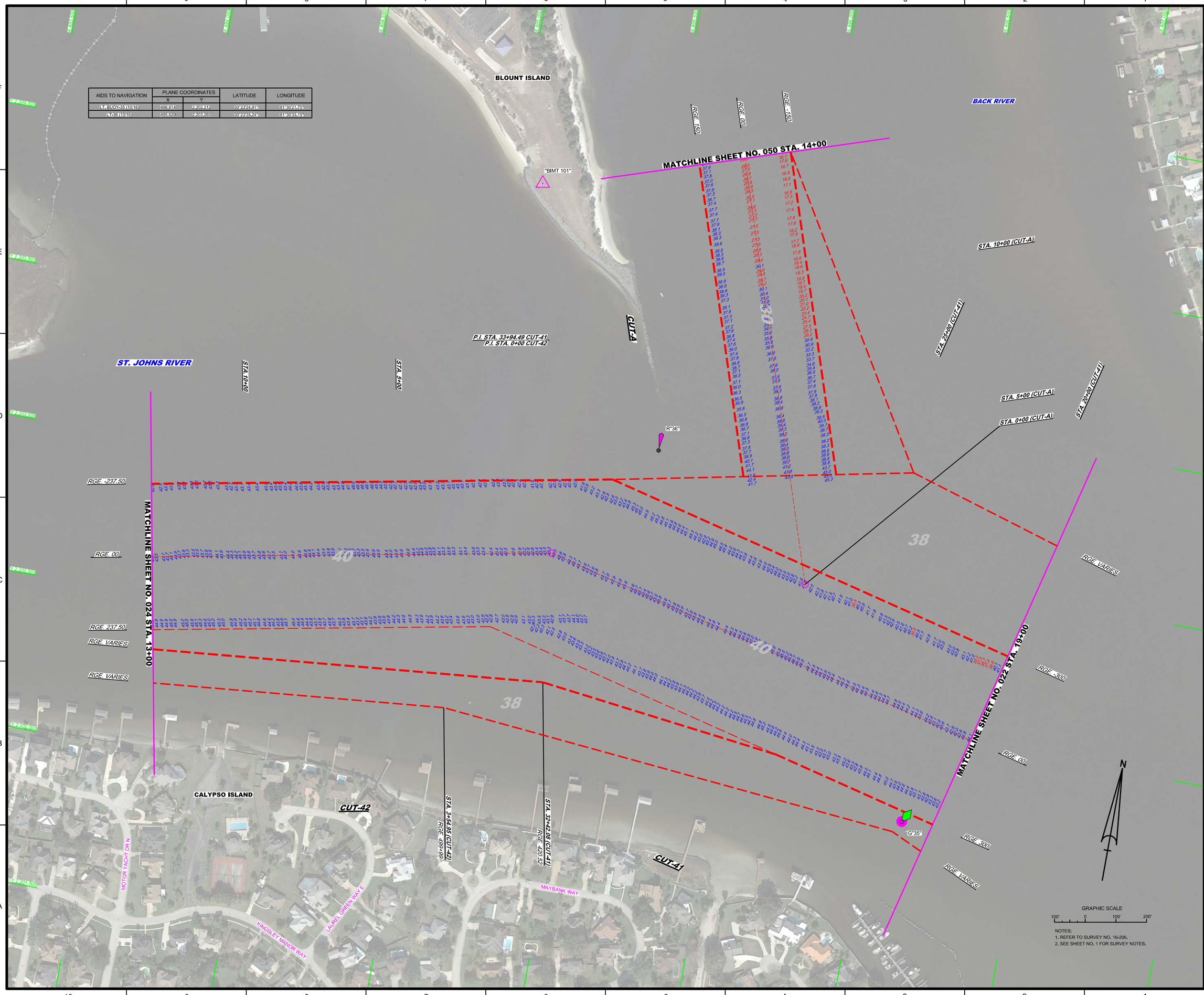
Scale: AS SHOWN

Drawing no.

22

SHEET 22 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
L "L" BUOY-35 (10"16)	499.614	2,202.212	30°23'24.91"	81°30'21.75"
L "L"-36 (10"16)	499.620	2,203.280	30°23'35.24"	81°30'33.15"



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XX-XXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
16-206A-VERSUN_C8646_HF.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CABS-BRDR.DGN
Reference files:
File name:
16-206-VH-023.DGN

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 19+00 CUT-41 THRU STA. 0+00 CUT-42 &
STA. 0+00 THRU STA. 14+00 CUT-A

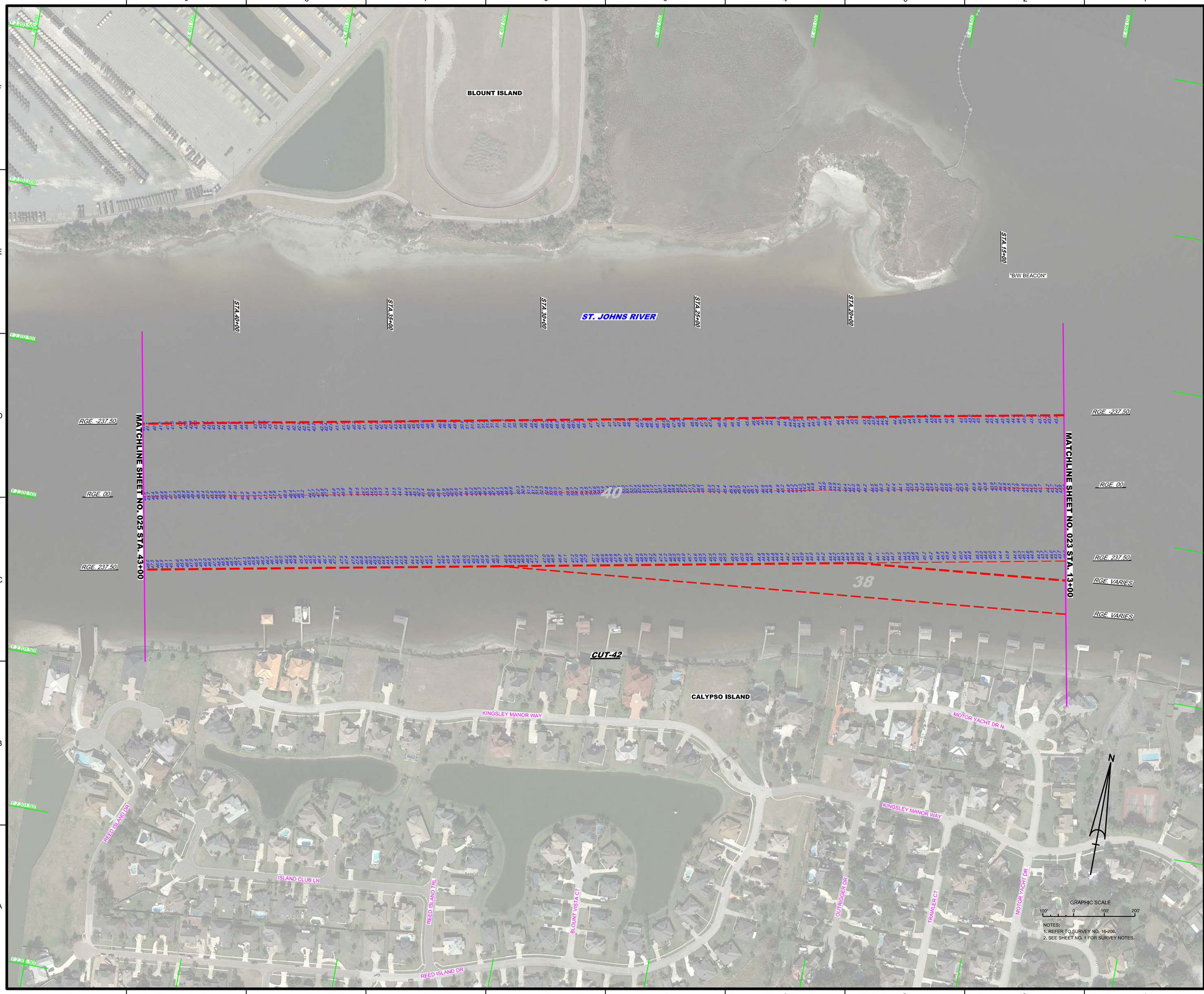
PLAN

Scale: AS SHOWN

Drawing no.

23

SHEET 23 OF 57



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: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXXXX.DGN
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XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
16-206-A-SRUN_CSHAE.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-CABS-BRDR.DGN
Reference files:
16-206-VH-024.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 13+00 THRU STA. 43+00 CUT-42

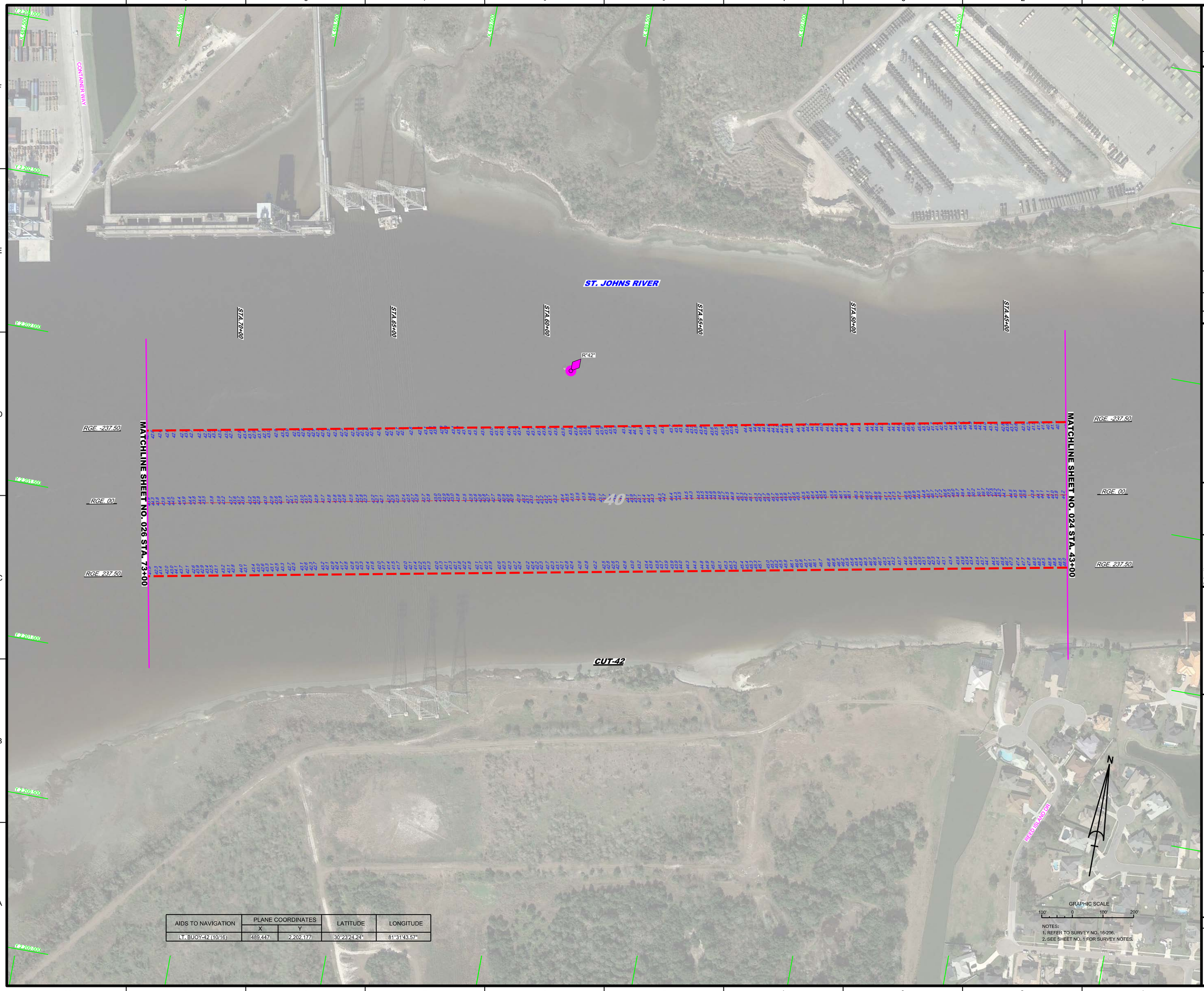
PLAN

Scale: AS SHOWN

Drawing no.

24

SHEET 24 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-42 (10/16)	489,447	2,202,177	30°23'24.24"	81°31'43.57"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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
Date: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
16-206-A-SOUN_C29-46_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
Reference files:
16-206-C-BS-BRDR.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 43+00 THRU STA. 73+00 CUT-42

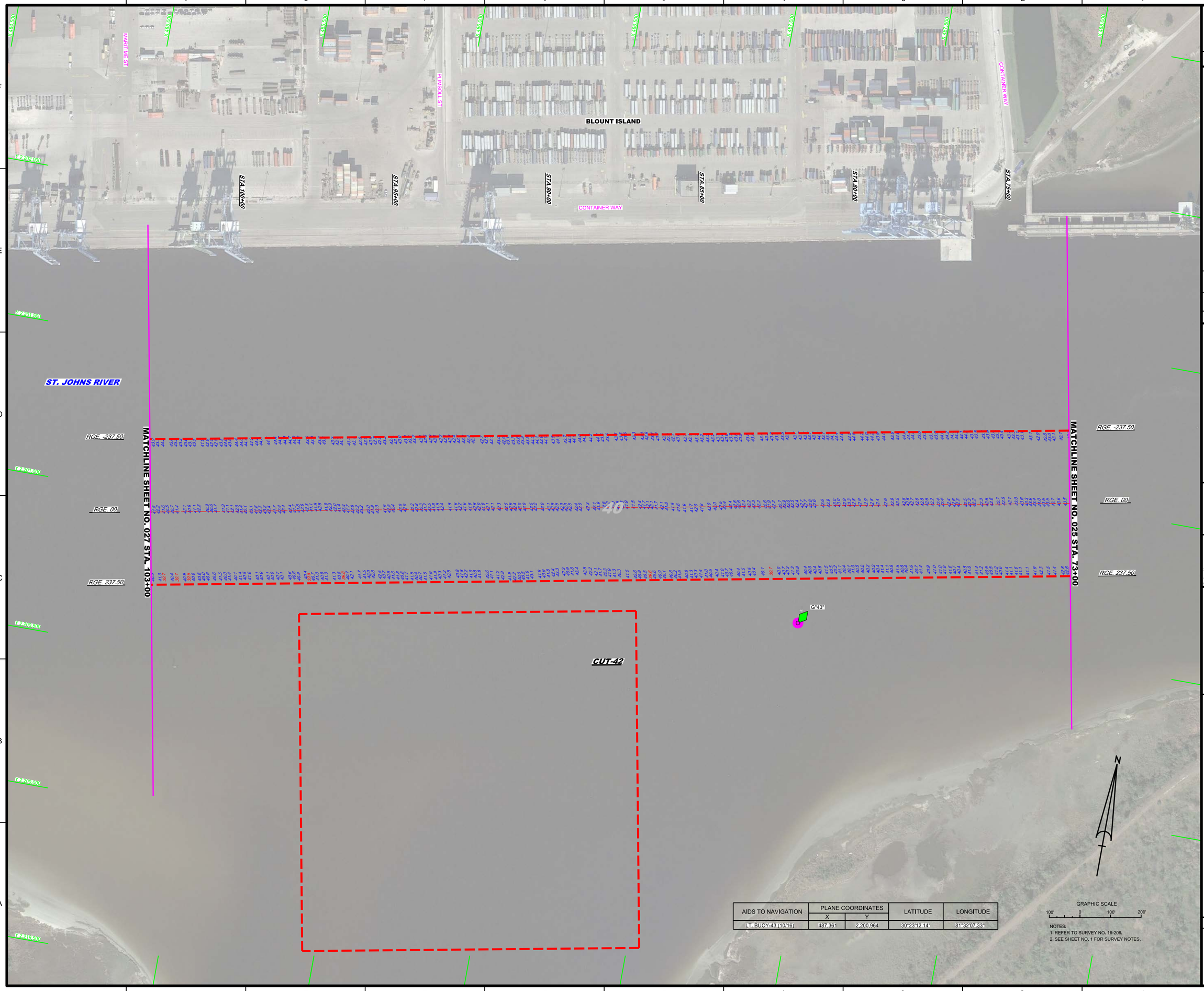
PLAN

Scale: AS SHOWN

Drawing no.

25

SHEET 25 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-43 (10/16)	487,361	2,200,964	30°23'12.14"	81°32'07.33"

NOTES:
1. REFER TO SURVEY NO. 16-206.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
15-206-N-SOUN_C3846_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-SRDR.DGN
Reference files:
15-206-VH-026.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 73+00 THRU STA. 103+00 CUT-42

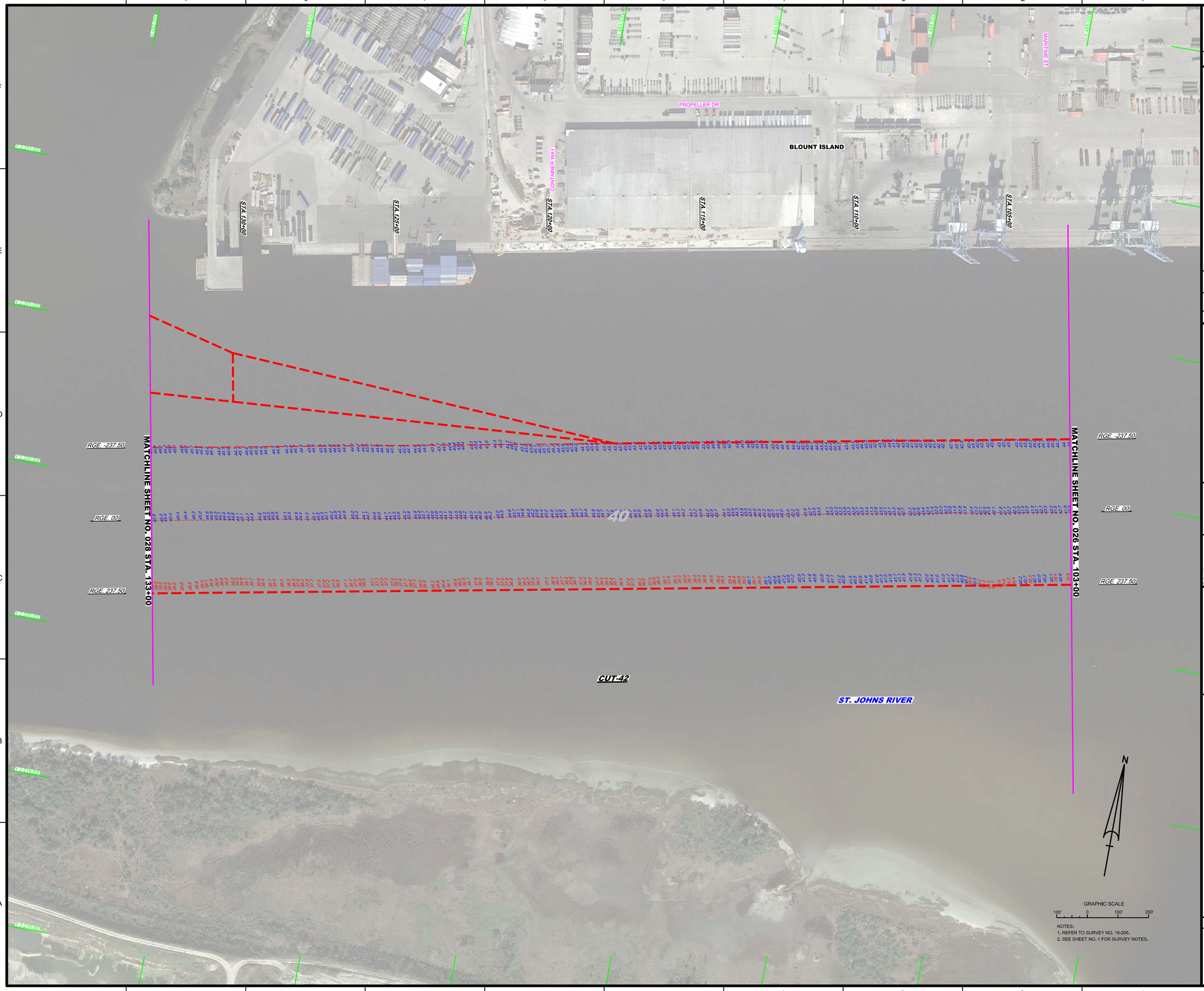
PLAN

Scale: AS SHOWN

Drawing no.

26

SHEET 26 OF 57



NOTES:
1. REFER TO SURVEY NO. 16-206.
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: GMR
Rev. No.
Date: OCT 2016

J:\XXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXX-XXXXXX.DGN
XXXXXXX-X-XXXXXX.DGN
XXXXXXX-X-XXXXXX.DGN
16-206-V-SOUN_C-SH-46_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-SRDR.DGN
Reference files:
16-206-V-H-027.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 103+00 THRU STA. 133+00 CUT-42

PLAN

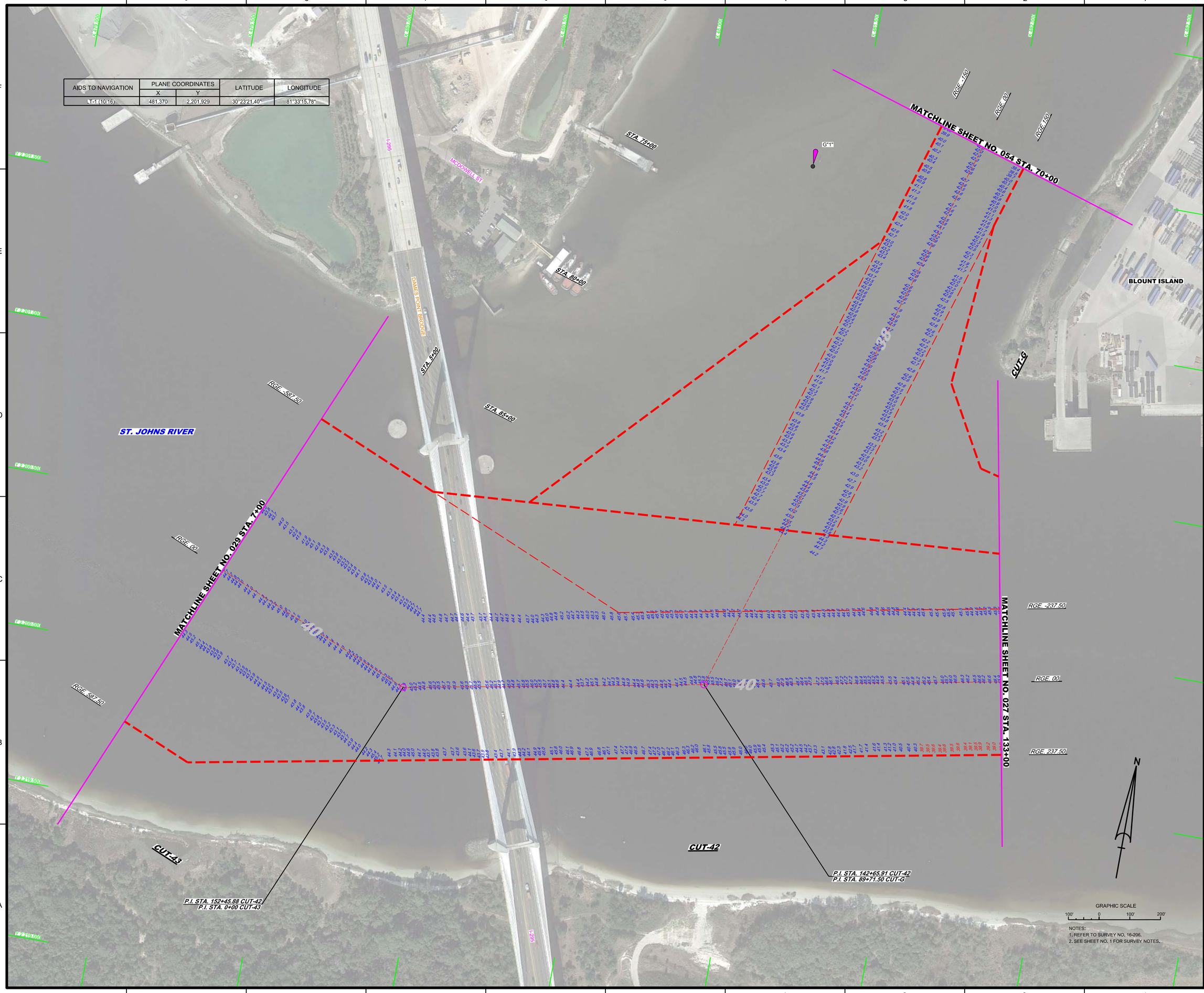
Scale: AS SHOWN

Drawing no.

27

SHEET 27 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (10/16)	481,370	2,201,929	30°23'21.40"	81°33'15.78"



NOTES:
1. REFER TO SURVEY NO. 16-206.
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.
Date: OCT 2016

XXXXXXX-XX-XXXXXX.DGN
XXXXXXX-XX-XXXXXX.DGN
XXXXXXX-XX-XXXXXX.DGN
XXXXXXX-XX-XXXXXX.DGN
15-206-N-SOUN_C3846_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BNDR.DGN
Reference files:
15-206-VHD28.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 5+00 THRU STA. 70+00 CUT-G AND
STA. 70+00 THRU STA. 89+71.30 CUT-G

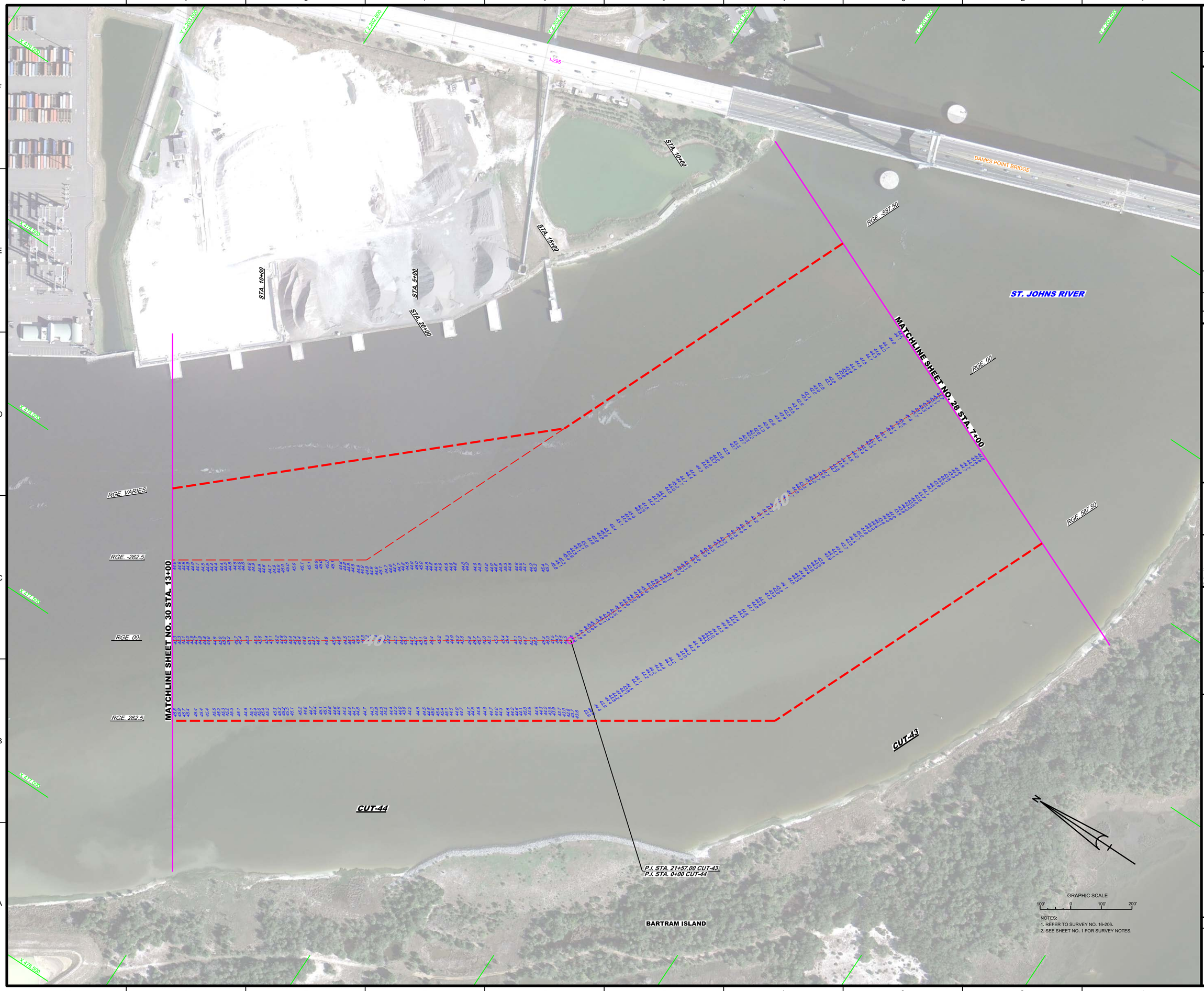
PLAN

Scale: AS SHOWN

Drawing no.

28

SHEET 28 OF 57



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.
Date: OCT 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
16-206-A-SDVA_C29-HE.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
Reference files
16-206-C-BS-BRDR.DGN
File name:
16-206-HH-029.DGN

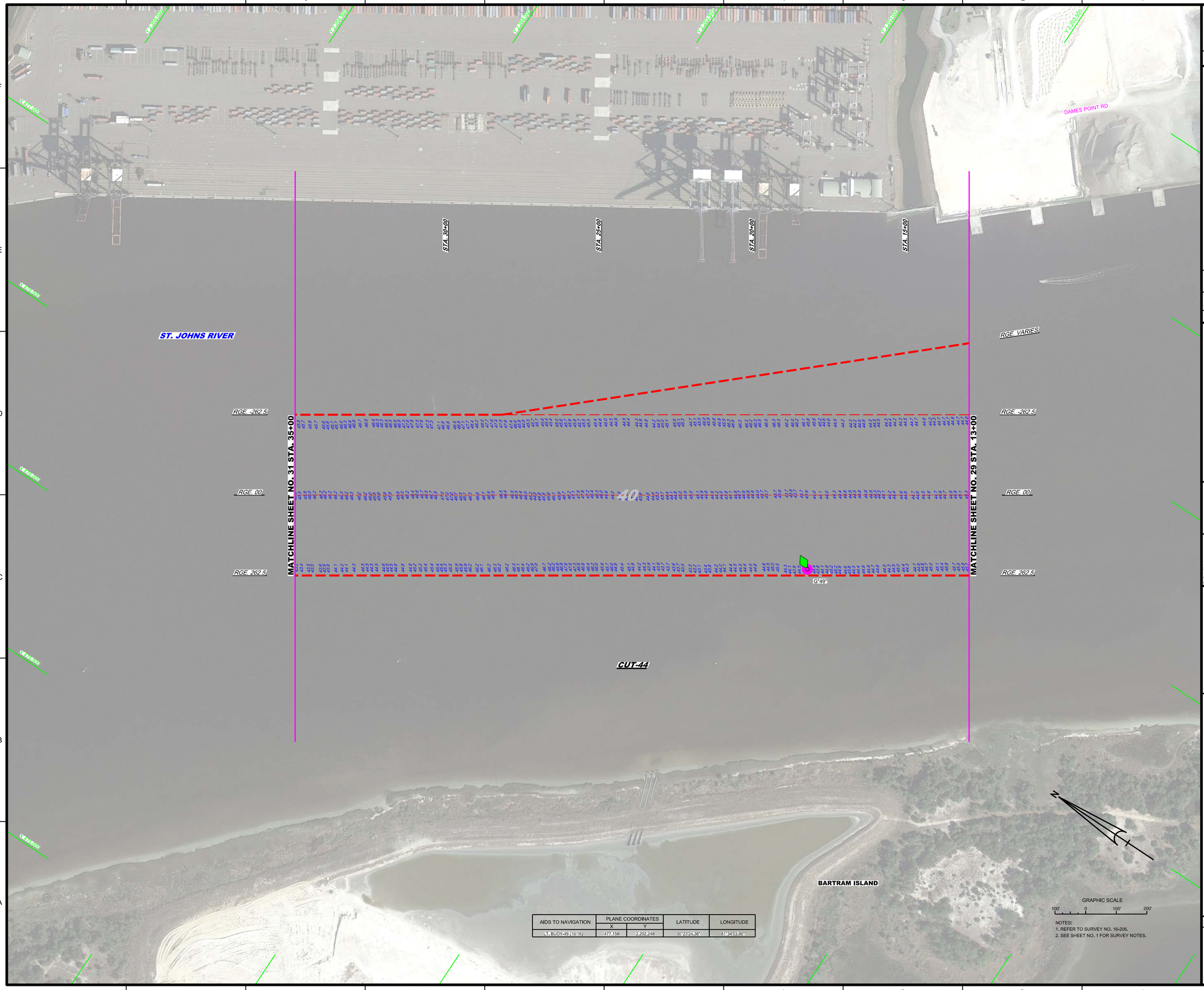
JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 7+00 CUT-43 THRU STA. 13+00 CUT-44
PLAN

Scale: AS SHOWN

Drawing no.
29

SHEET 29 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-49 (10/16)	477,158	2,202,248	30°23'24.36"	81°34'03.90"

NOTES:
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2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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

Designed by: VIRM
DWN by: VIRM
Ckd by: CMR
Rev. No.
Date: OCT 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
16-206-N-SOUN_C3846_HF.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
16-206-C-ES-BKDR.DGN
Reference files:
16-206-VH-030.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY16
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 13+00 THRU STA. 35+00 CUT-44

PLAN

Scale: AS SHOWN

Drawing no.

30

SHEET 30 OF 57