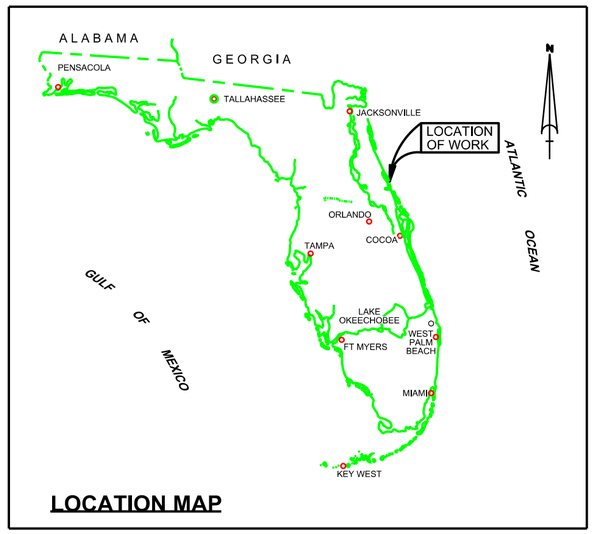
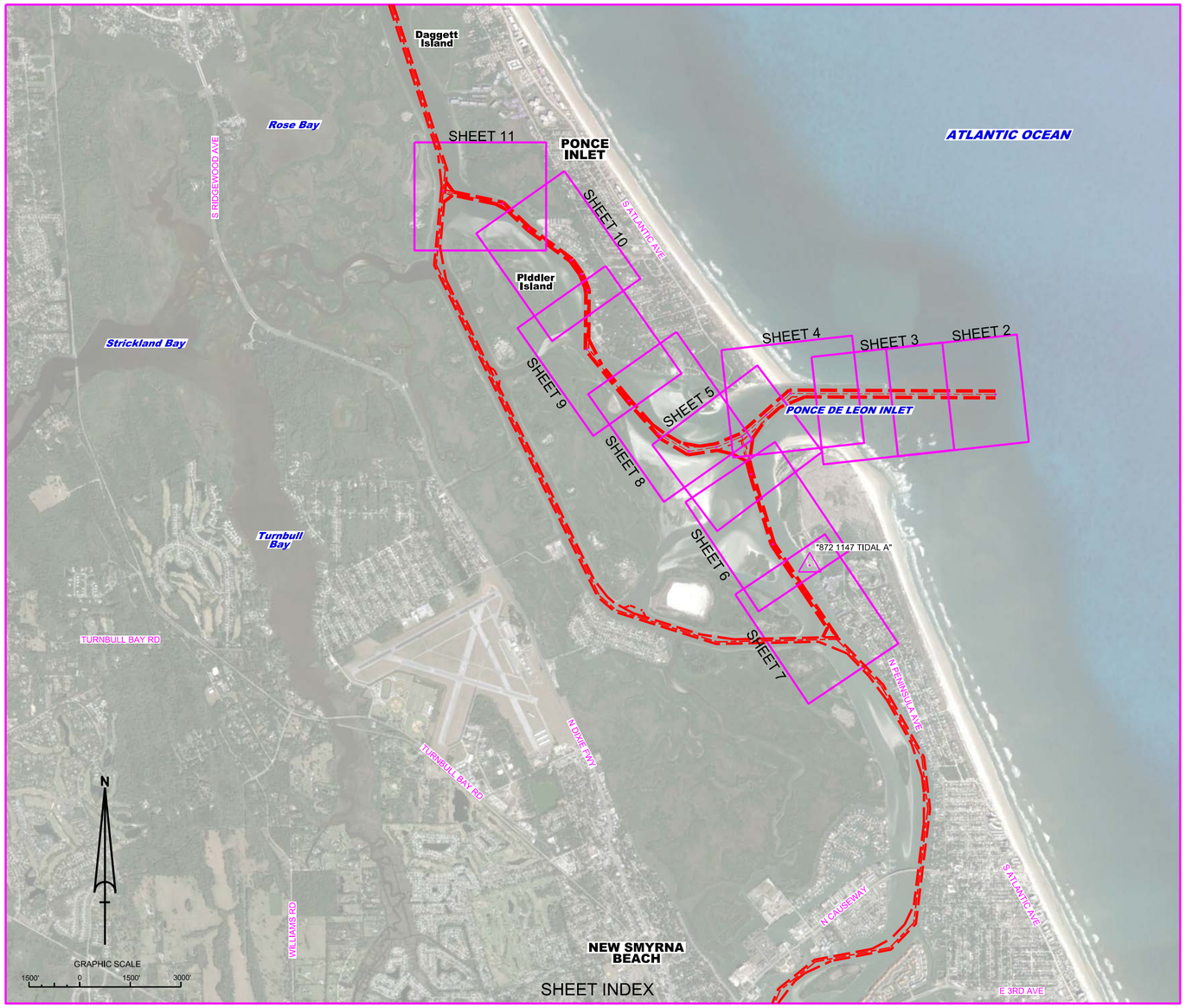
PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT



LOCATION MAP



SURVEY NOTES

1. REFER TO SURVEY NO. 19-215.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW. KTD FILE NAME IS: "VOLUSIA-BREVARD (W-O_CANAVERALHBR_2016 05 06.KTD".
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED 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. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "872 1147 TIDAL A" (OPUS PID: DK6692)
7. 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 872-1147 TIDAL A (OPUS PID: DK6692) FOR ALL CUTS.

   VERTICAL MEASUREMENTS WERE MADE USING AN ODOM CV 100 DUAL-FREQUENCY FATHOMETER OPERATING AT 33/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SEA ARK	06 SEP 2019	1A - 3A, 1S - 3S, 3N -13N

8. AIDS TO NAVIGATION WERE NOT 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.
11. SURVEY PERFORMED DY DEGROVE SURVEYORS, INC.

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: WRM
DWN by: WRM
Ckd by: GMR
Proj. No. V0912EP-XX-XX-XXXX
Date: SEP 2019

12-15&14-RIVER.DGN
IWW-CNGWCOF.DGN
PONCE INLET-C-NGMCOF_2017.DGN
19-215-C-BB-BRDR.DGN
Reference files
19-215-VH-001.DGN
File name:

POINCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

INDEX, LOCATION AND VICINITY

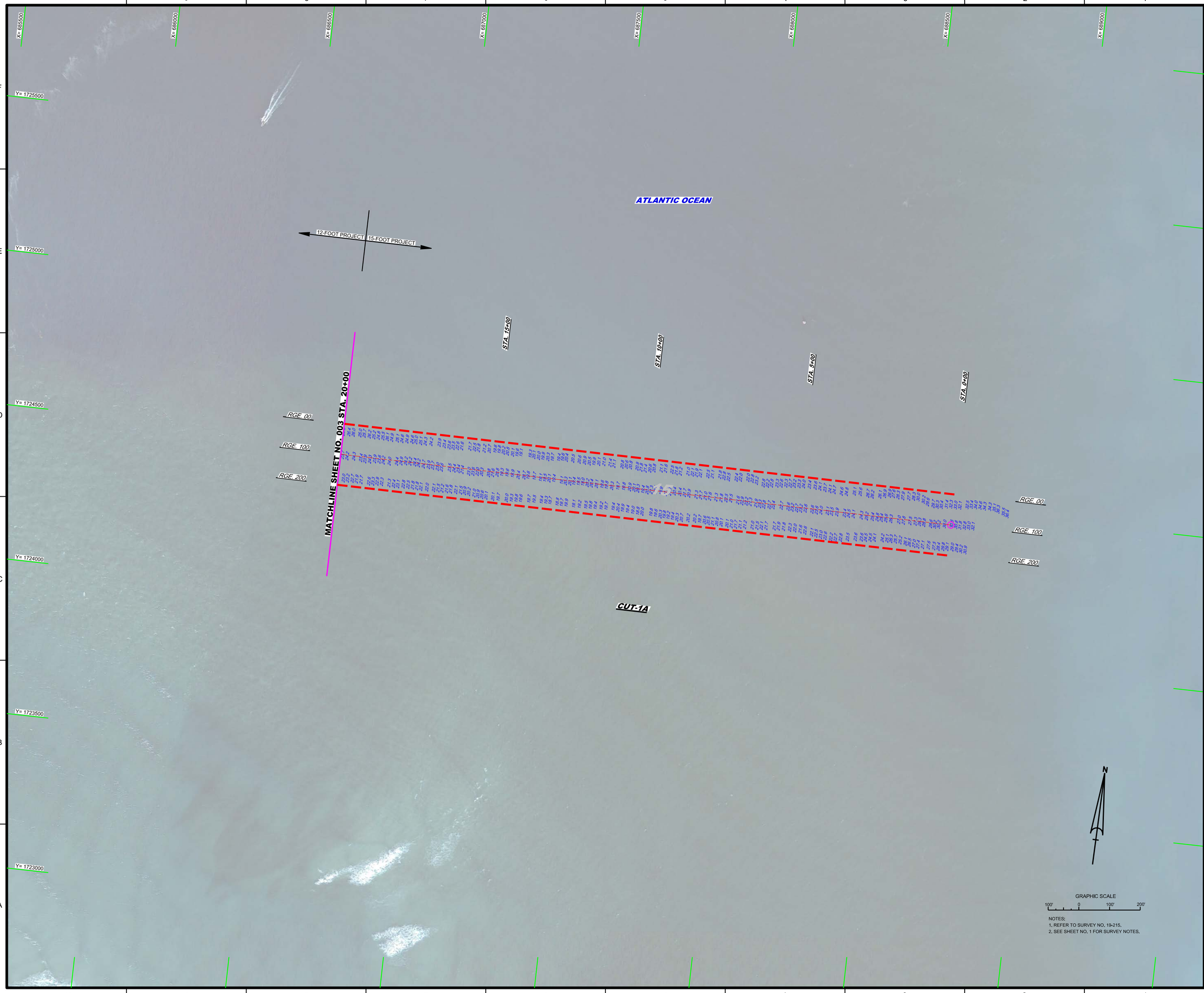
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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. V0912EP-XX-X-XXXX
Date: SEP 2019

Reference files:
CWXXXXXX-X-XXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
19-215-V-SQUIL_C1A.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-C-ESHEADER.DGN

File name: 19-215-VH-002.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 0+00 THRU STA. 20+00 CUT-1A

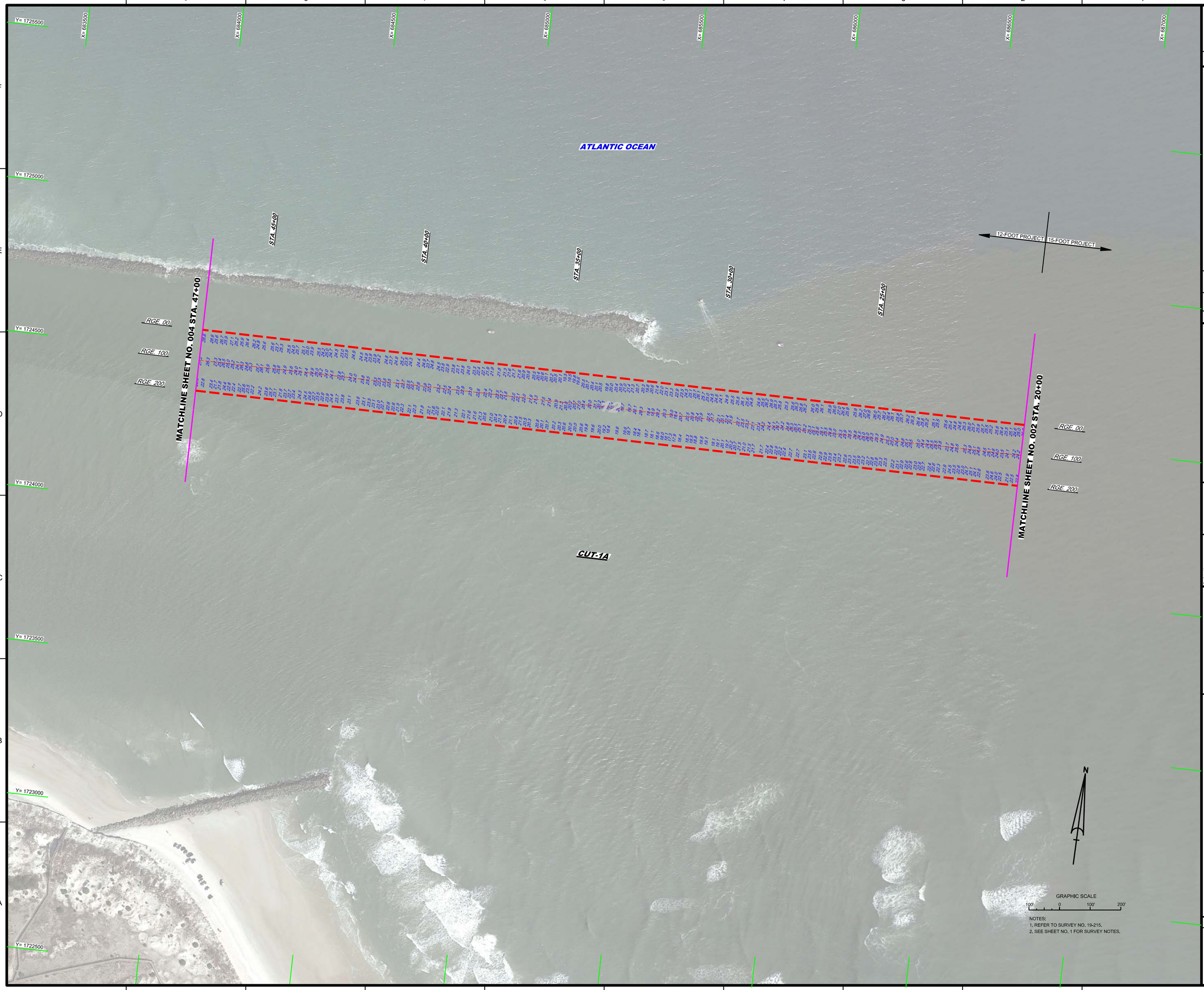
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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
Ini. No. W912EP-XX-X-XXXX
Date: SEP 2019

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
19-215-VS-SDUR_C1A.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-CABS-BRDR.DGN
Reference files:
19-215-VH-003.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 20+00 THRU STA. 47+00 CUT-1A

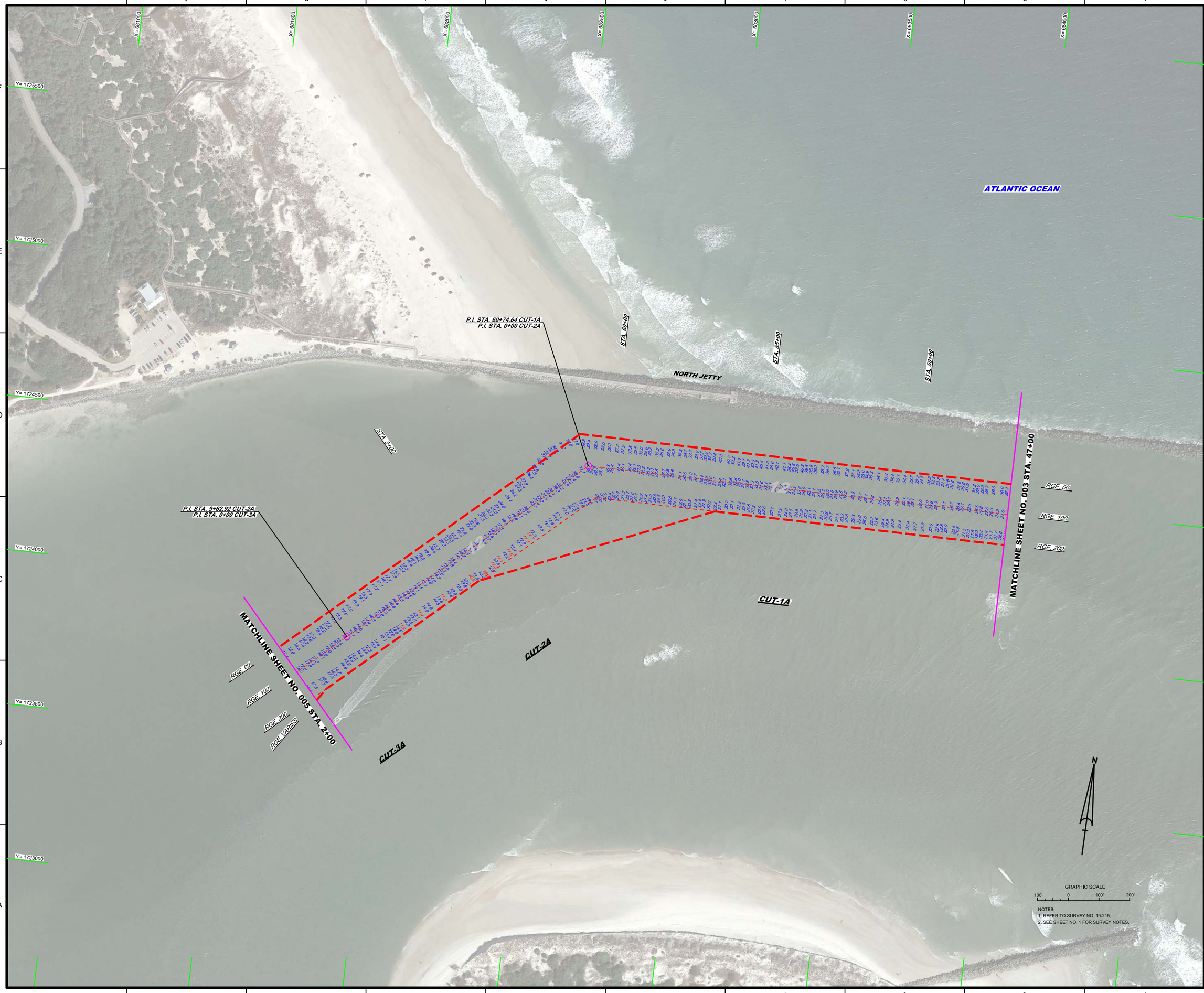
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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: GMC
Rev. No.: V19125P>XX>X>XXXX
Date: SEP 2019
G5"

X:>X>X>X>X>X>X.DGN
XXXXX>XXXXXXXX.DGN
XXXXX>XXXXXXXX.DGN
19-215>V-SOUN_C1A.DGN
19-215>V-SOUN_C1B.DGN
19-215>V-SOUN_C4A.DGN
PONCE INLET-C-NGMGCF_2017.DGN
19-215>CES>BRDR.DGN
Reference files:
19-215>VH-004.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 47+00 CUT-1A THRU STA. 2+00 CUT-3A

PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 11

NOTES:
1. REFER TO SURVEY NO. 19-215.
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
Checked by: GMR
Proj. No.: V912EP-XX-XX-XXXX
Date: SEP 2019

19-215-XX-SQUA_C3A.DGN
19-215-XX-SQUA_C3N.DGN
19-215-XX-SQUA_C3N.DGN
19-215-XX-SQUA_C1S.DGN
19-215-XX-SQUA_C1S.DGN
PONCE INLET-CA-NMCCF_2017.DGN
19-215-CA-BR-BRDR.DGN
Reference files

19-215-XH-005.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT
STA. 0+00 CUT-3A THRU STA. 9+62.17 CUT-3A &
STA. 0+00 CUT-3N THRU STA. 8+13.57 CUT-3N
STA. 0+00 CUT-1S THRU STA. 11+51.41 CUT-1S
STA. 0+00 CUT-2S

PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 11

NOTES:
1. REFER TO SURVEY NO. 19-215.
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. V912EP-XX-XX-XXXX
Date: SEP 2019

19-215A-SOUN_CS5.DGN
19-215A-SOUN_CS3.DGN
PONCE INLET-C-NGMCDF_2017.DGN
19-215-C-BR-BRDR.DGN
Reference files
19-215-VH-006.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 4+00 CUT-2S THRU STA. 10+00 CUT-3S

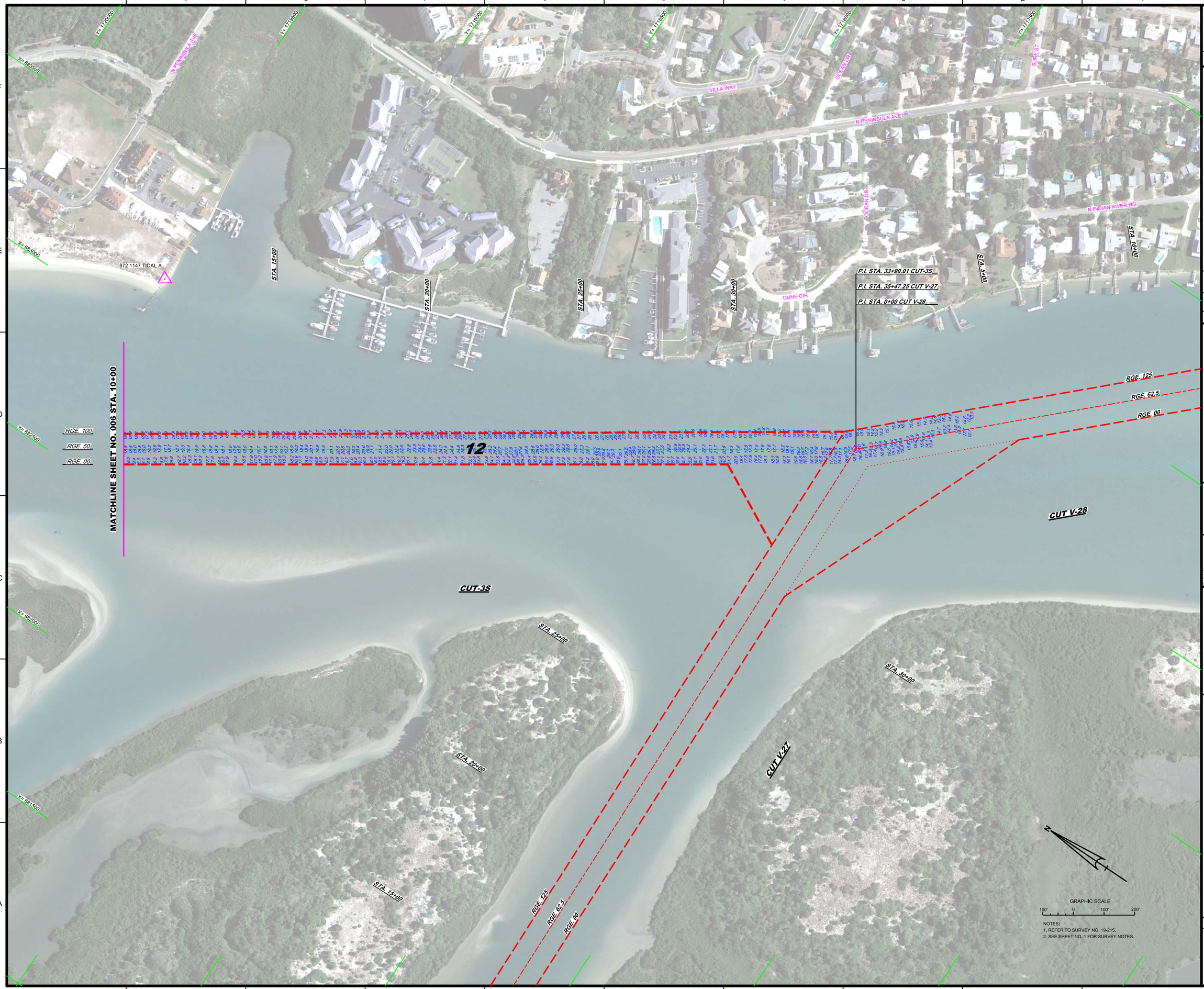
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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. V912EP-XX-XX-XXXX
Date: SEP 2019

XX-XX-XX-XX-XX-XX.dgn
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
IWW-CA-RGMCCF.DGN
PONCE INLET-CA-NGMCCF_2017.DGN
19-215-CS-BR-GR.DGN
Reference files
19-215-HH007.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 10+00 THRU STA. 33+90.01 CUT-3S

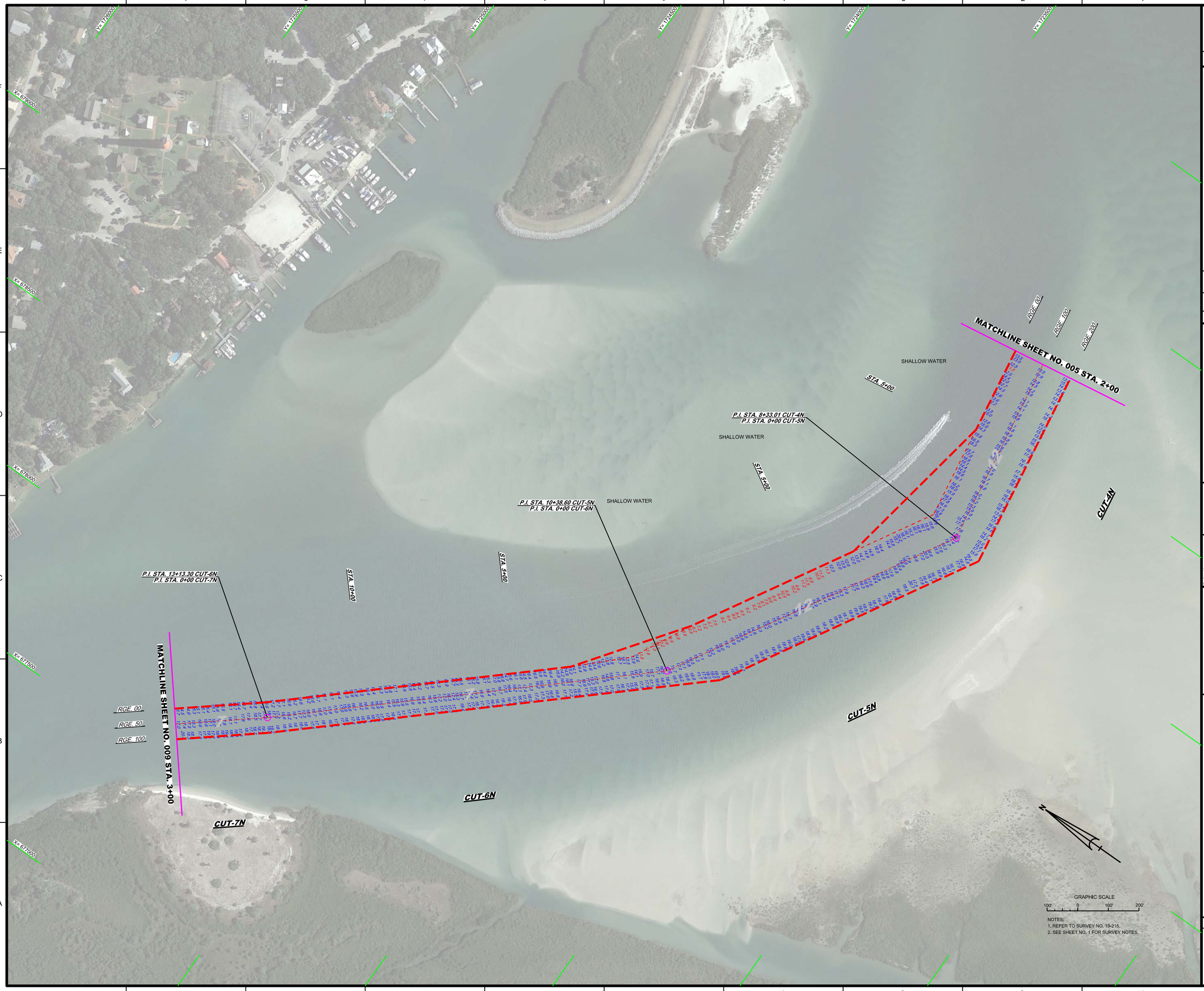
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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: SEP 2019

19-215-VA-SOUN_CAN.DGN
19-215-VA-SOUN_CGN.DGN
19-215-VA-SOUN_CTN.DGN
19-215-VA-SOUN_CTN.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-C-BR-BRDR.DGN
Reference files

19-215-VH-008.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 2+00 CUT-4N THRU STA. 3+00 CUT-7N

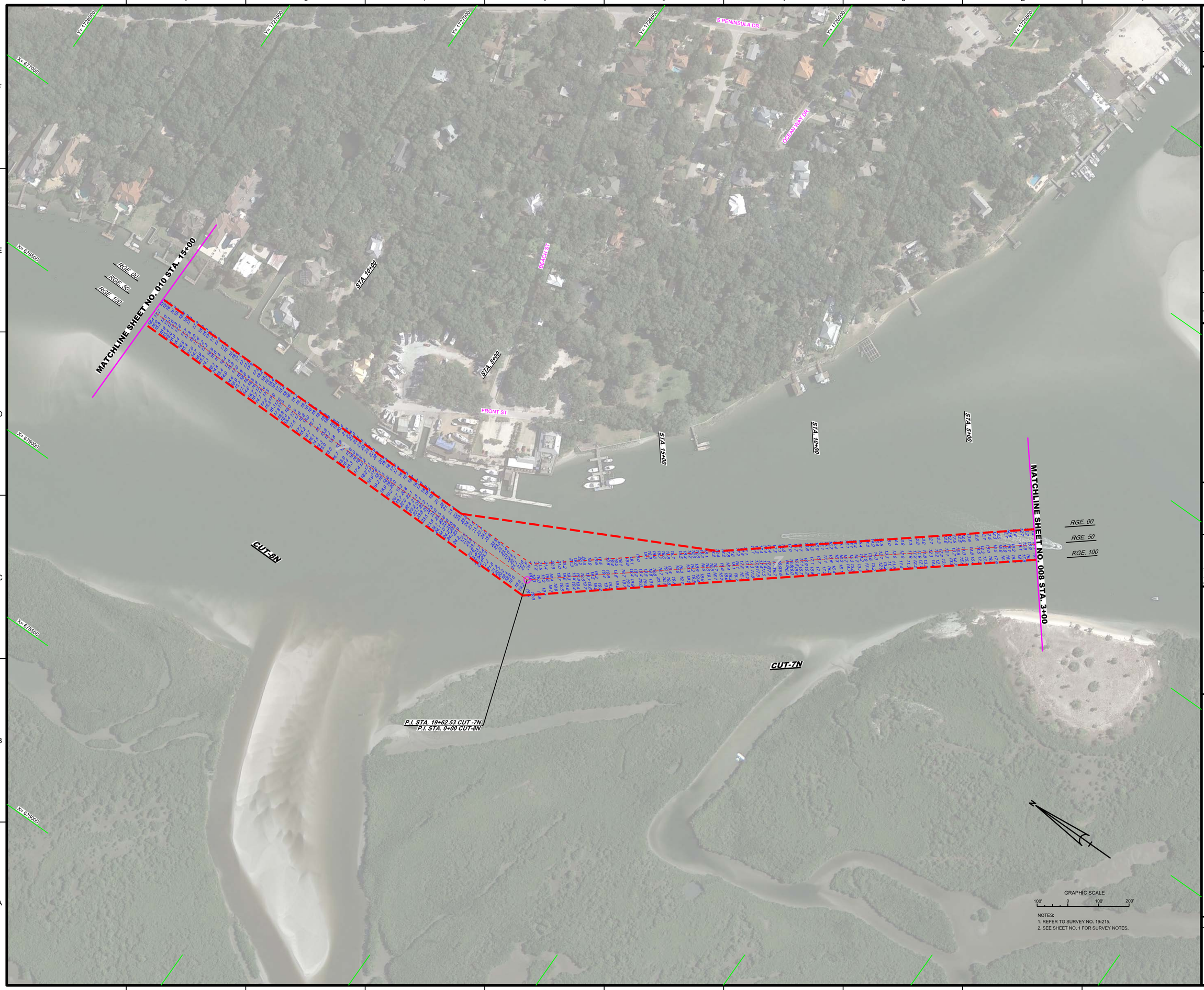
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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.: V9/12ESP-XX-X-XXXX
Date: SEP 2019

Reference files:
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
19-215-VS-SOUN_CRN.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-CABS-BRDR.DGN
19-215-VH-009.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 3+00 CUT-7N THRU STA. 15+00 CUT-8N

PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 11

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. V0912EP-XX-X-XXXX
Date: SEP 2019

19-215-V-SOUN_C12N.DGN
19-215-V-SOUN_C11N.DGN
19-215-V-SOUN_C10N.DGN
19-215-V-SOUN_C9N.DGN
19-215-V-SOUN_C8N.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-C-BS-BRDR.DGN
Reference files:
19-215-V-H310.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT

STA. 15+00 CUT-8N THRU STA. 3+00 CUT-12N

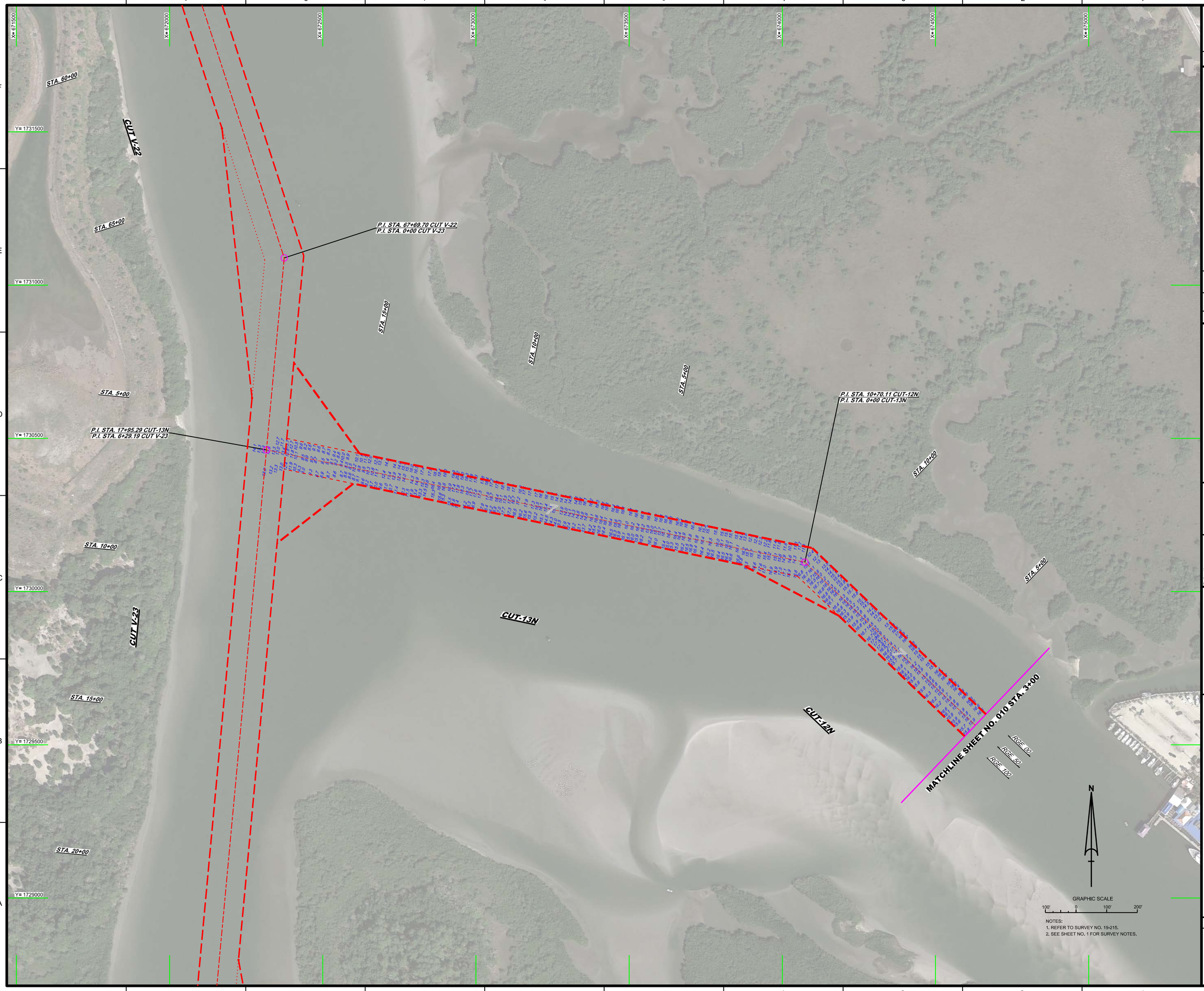
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 11



NOTES:
1. REFER TO SURVEY NO. 19-215.
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. V0912EP-XX-X-XXXX
Date: SEP 2019

19-215-LV-SOUN_C13N.DGN
19-215-LV-SOUN_C12N.DGN
NVAD-NGVD29.DGN
PONCE INLET-C-NGMCCF_2017.DGN
19-215-PES-BKDR.DGN
Reference files:
19-215-VH011.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

POST-HURRICANE DORIAN EXAM SURVEY FY19
7, 12 AND 15-FOOT PROJECT
STA. 3+00 CUT-12N THRU STA. 17+95.29 CUT-13N
PLAN

Scale: AS SHOWN

Drawing no.
11

SHEET 11 OF 11