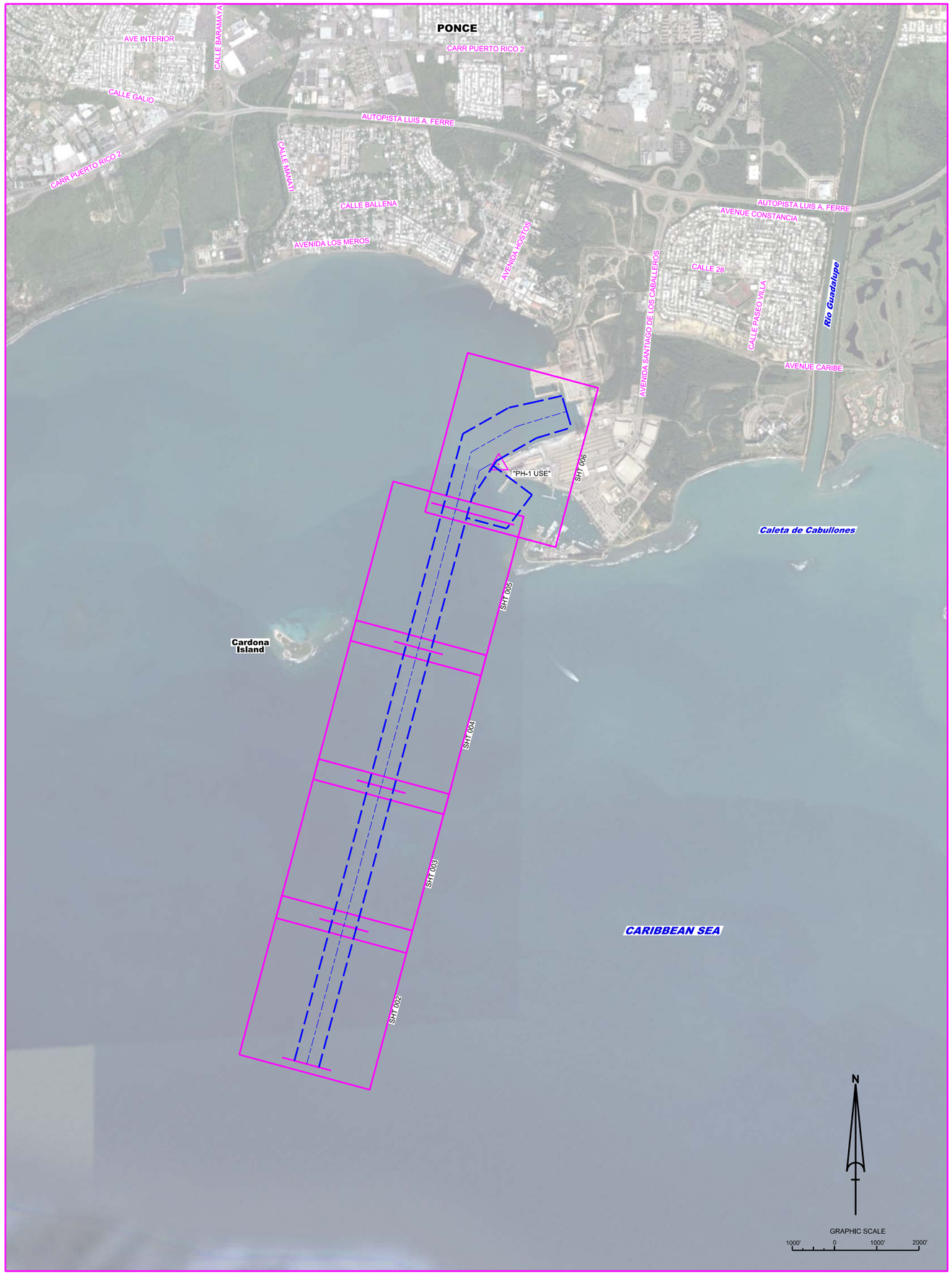

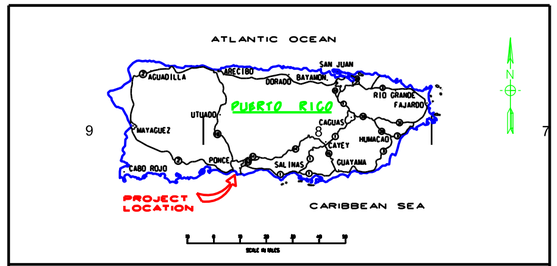

LOCATION MAP

PONCE HARBOR
PONCE, PUERTO RICO
PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 18-103.
2. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
3. PLANE COORDINATES ARE BASED ON THE LAMBERT CONFORMAL CONIC PROJECTION FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS (PR-5200 ZONE 1), AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
4. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
5. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "PH-1 USE" (PID: TV0001)
6. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). THE NGS BENCHMARK LISTED BELOW WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS AT THE BENCHMARK ASSOCIATED WITH TEH TIDE GAGE SITE SPECIFIED BELOW:

   NGS BENCHMARK "PH-1 USE" FOR ALL CUTS (PID: TV0001)
7. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-34	17-18 OCT 2018	1-3, MUNICIPAL BASIN

8. AIDS TO NAVIGATION WERE NOT LOCATED DURING THIS SURVEY. NAVAIDS SHOWN ARE FROM SURVEY 18-010.
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.

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
DWN by: VIRM
Ckd by: GMR
Inv. No. W912EP-XX-X-XXX
Date: OCT 2018

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
18-103-MINDEX.DGN
PONCE HARBOR-VHPMCCF-2D.DGN
18-103-CABSHDR.DGN
Reference files:
18-103-VH-001.DGN
File name:

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

INDEX, LOCATION AND SHEET

MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF XX

Y= 691500
Y= 692000
Y= 692500
Y= 693000
Y= 693500
Y= 694000
Y= 694500
Y= 695000

X= 585000
X= 585500
X= 586000
X= 586500
X= 587000
X= 587500

STA. 0+00
STA. 5+00
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00

RGE. 600
RGE. 300
RGE. 00

NO DATA COLLECETED DUE TO SEA CONDITIONS

36

MATCHLINE SHEET NO. 003 STA. 34+00

CUT-1

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-103.
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. V912EP-XX-X-XXXX
Date: OCT 2018

Reference files:
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XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXX.DGN
PONCE HARBOR-V-HPRMCF-2D.DGN
18-103-CES-SNDR.DGN
18-103-VH-002.DGN

File name:

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

STA. 0+00 THRU STA. 34+00 CUT-1

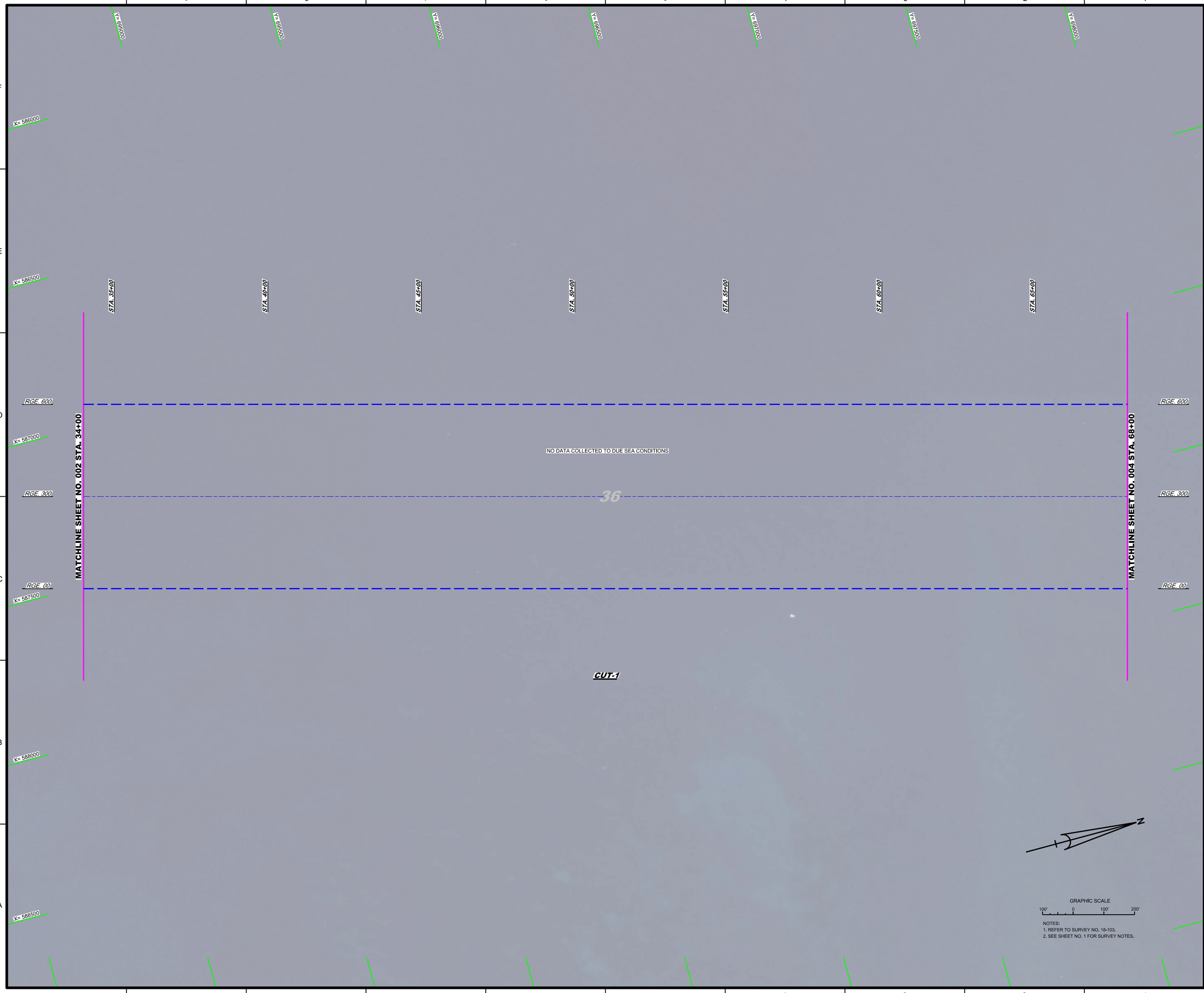
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 06



NOTES:
1. REFER TO SURVEY NO. 18-103.
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. V912EP-XX-X-XXXX
Date: OCT 2018

Reference files:
PONCE HARBOR-V-HPRMCF-2D.DGN
18-103-cFS-SHDR.DGN
XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXX.DGN
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File name: 18-103-VH-003.DGN

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

STA. 34+00 THRU STA. 68+00 CUT-1

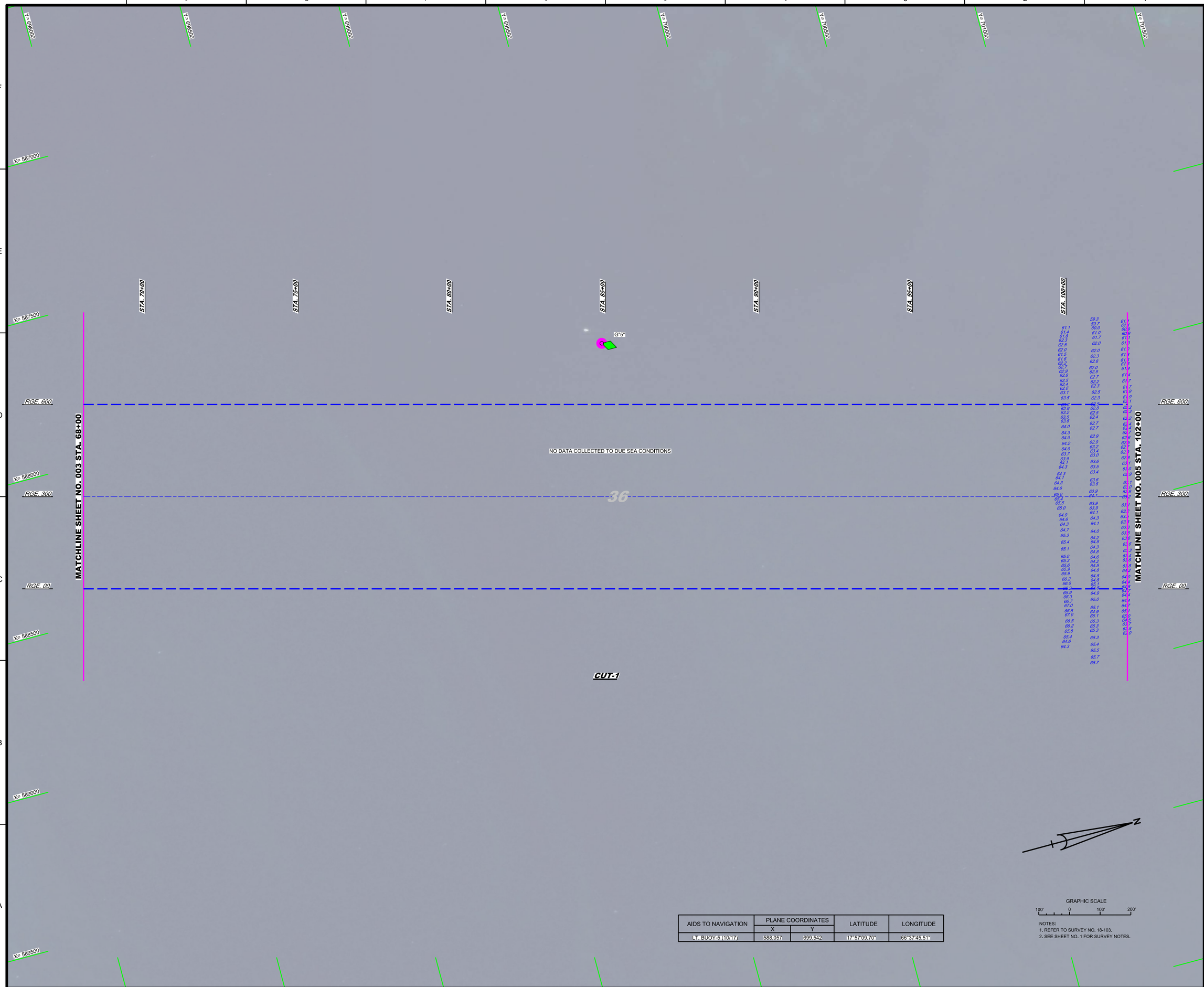
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 06



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (10/17)	588.057	699.542	17°57'09.70"	66°37'45.51"

NOTES:
1. REFER TO SURVEY NO. 18-103.
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.: V913EP-XX-XX-XXXX
Date: OCT 2018

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
18-103-A-SDUA_C1.DGN
PONCE HARBOR-V-HPMCCF-2D.DGN
18-103-C-BS-BRDR.DGN
Reference files:
18-103-VHP-004.DGN
File name:

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

STA. 68+00 THRU STA. 102+00 CUT-1

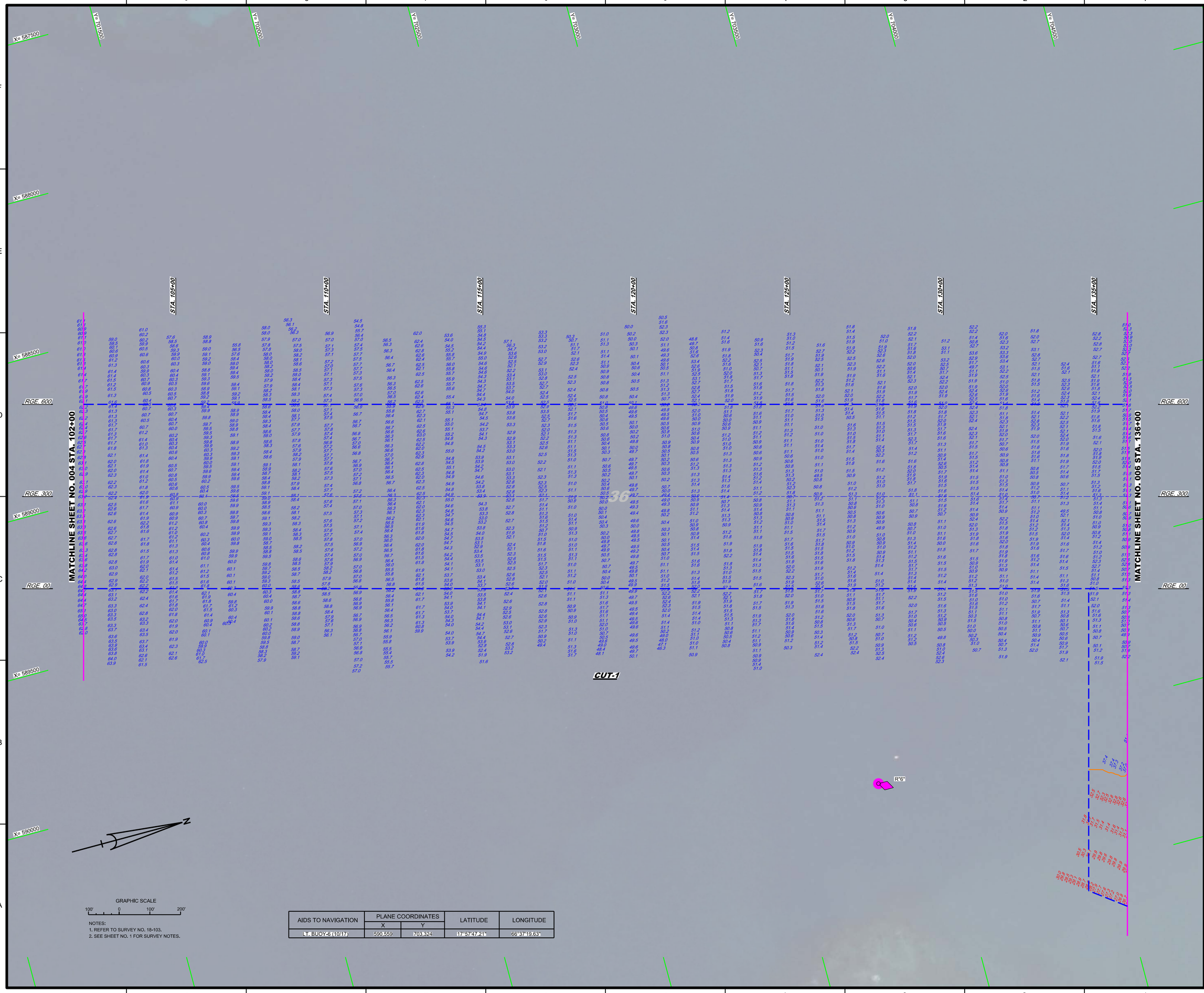
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 06



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-103.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (10/17)	590,559	703,324	17°57'47.21"	66°37'19.63"

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
Drawn by: WRM
Checked by: GMR
Date: OCT 2018
File No. V6912EP-XX-XX-XXXX

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
18-010-VAWAV.DGN
18-103A-CONSLT.DGN
18-103A-SOUTH_JETTY.DGN
18-103-A-SOUTH_CLUB.DGN
PONCE HARBOR-V-HPMCCF-2D.DGN
18-103-C-BB-BRDRA.DGN
Reference files
18-103-VRH05.DGN
File name:

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

STA. 102+00 THRU STA. 136+00 CUT-1

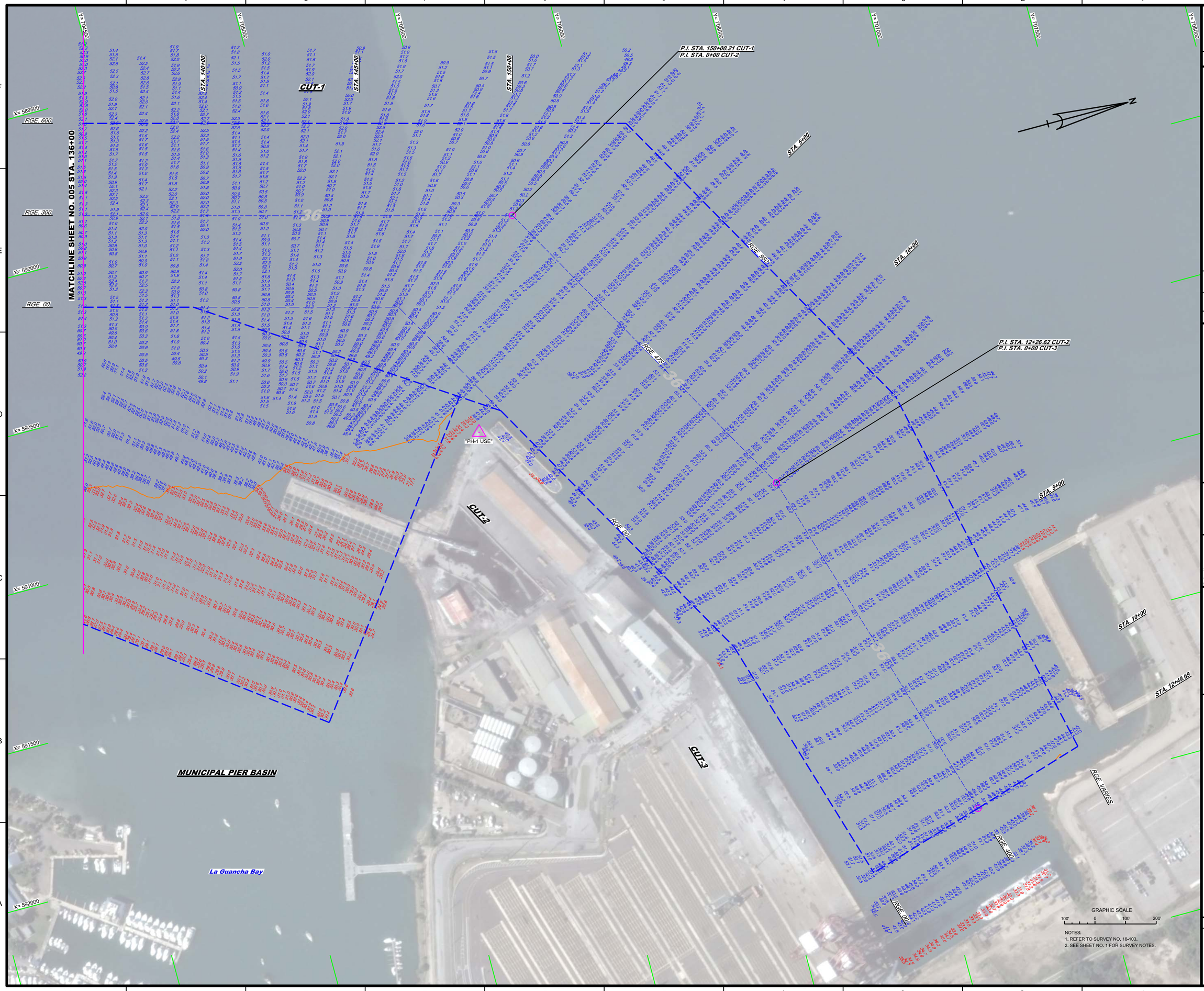
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 06



NOTES:
1. REFER TO SURVEY NO. 18-103.
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. W912EP-XX-X-XXXX
Date: OCT 2018

XX-XX-XX-XX-XX-XX.DGN
18-103-XX-XX-XX.DGN
18-103-XSOUN_C1.DGN
18-103-XSOUN_C2.DGN
18-103-XSOUN_C3.DGN
18-103-XSOUN_BASIN.DGN
PONCE HARBOR-V4-PMCF-20.DGN
18-103-xSB-SHDR.DGN
Reference files:
18-103-VH006.DGN
File name:

PONCE HARBOR
PONCE, PUERTO RICO

PROJECT CONDITION SURVEY FY18
36-FOOT PROJECT

STA. 136+00 CUT-1 THRU STA. 12+49.69 CUT-3

PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 06