

# GIWW - AR TO CR CUT P-1 THRU CUT P-41 PINELLAS COUNTY, FLORIDA EXAMINATION SURVEY FY16 9-FOOT PROJECT

**SURVEY NOTES**

- REFER TO SURVEY NO. 16-133.
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- 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: "SPC-FL-WEST-2010-12-07.KTD".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:  
 REFERENCE BASE LOCATED AT "DILLMAN" (PID: B8CD48)  
 REFERENCE BASE LOCATED AT "NOAA C" (PID: AG2514)  
 REFERENCE BASE LOCATED AT "JP 101" (PID: B8CB34)  
 REFERENCE BASE LOCATED AT "PCDSM GPS 22" (PID: DF5801)  
 REFERENCE BASE LOCATED AT "HOG ISLAND B" (PID: AL0220)  
 REFERENCE BASE LOCATED AT "USCG SAND KEY 1" (PID: BBDG31)
- 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 872-6520 FOR CUTS P1 AND P2 (PID: AG5298)  
 NOAA TIDAL STATION 872-6428 FOR CUTS P2 THRU P12 (PID: AG5266)  
 NGS BENCHMARK FOR CUTS P13 THRU P23 (PID: DM3817)  
 NGS BENCHMARK FOR CUTS P24 THRU P33 (PID: AG0714)  
 NOAA TIDAL STATION 872-6724 FOR CUTS P34 THRU P38A (PID: AG6374)  
 NOAA TIDAL STATION 872-6761 FOR CUTS P38B THRU P41 (PID: AL6289)
- VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED SIDESCAN AND MULTI-BEAM SONAR. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

**VEHICLE**

VEHICLE	DATE OF SURVEY	CUT
SB-44	23-25 MAY 2016	P1 THRU P3
SB-44	02 JUN 2016	P4 THRU P12
SB-44	21-22 JUL 2016	P13 THRU P23
SB-44	26-27 JUL 2016	P24 THRU P38A
SB-44	29 JUL 2016	P38B THRU P41
SB-44	01 AUG 2016	P41

**LEGEND**

	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB DEPENDS ON YOU

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

Check by: GHR  
Designed by: WRM  
Drawn by: WRM  
File No: 16-133-AR-01  
Date: AUG 2016

GULF INTRACOASTAL WATERWAY TO THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA

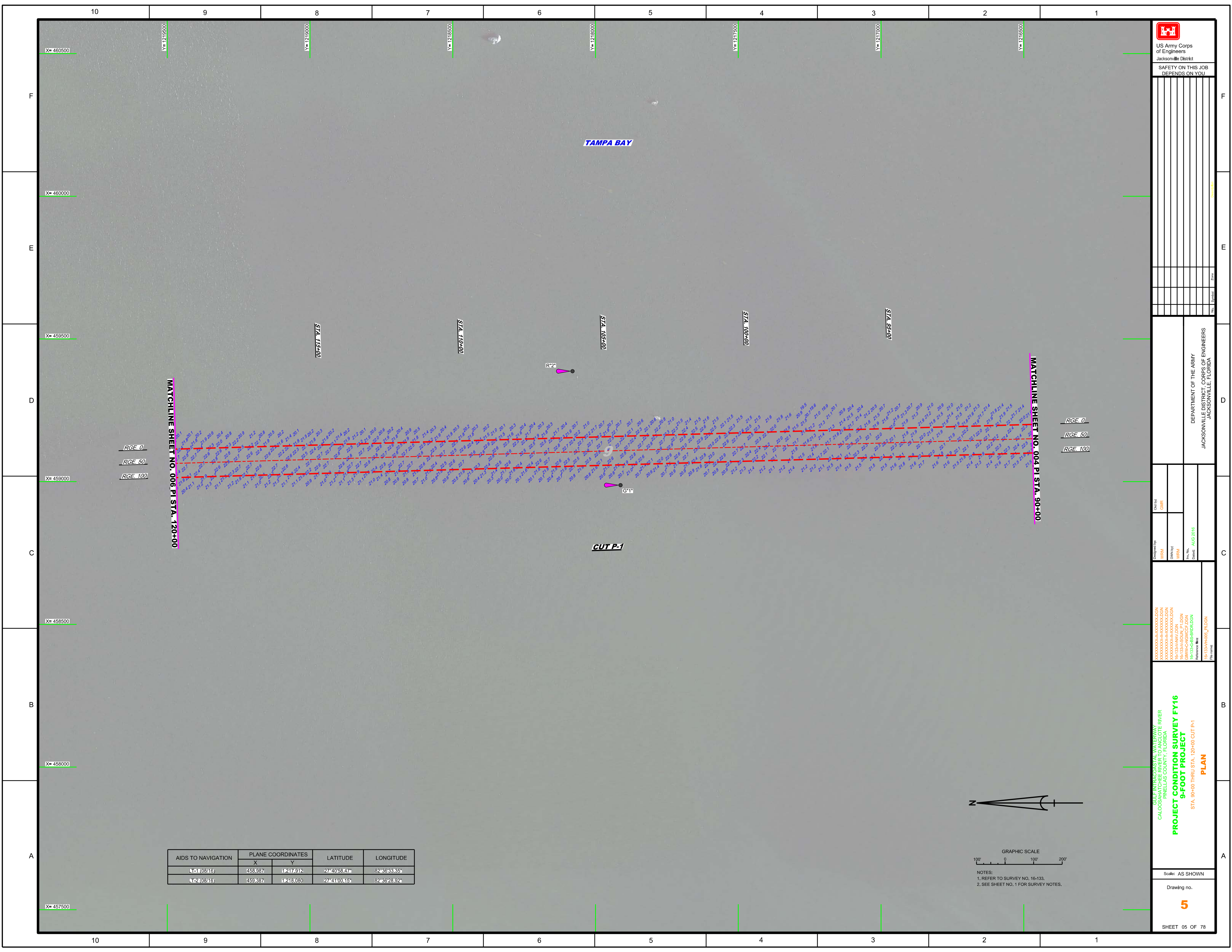
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT**  
INDEX, LOCATION AND INDEX MAP

Scale: AS SHOWN  
Drawing no. 1  
SHEET 01 OF 78









**US Army Corps of Engineers**  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

DESIGNED BY: WRM, JWM, WRM, WRM  
CHECKED BY: GHR  
DATE: AUG 2016

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

RGE. 0  
RGE. 50  
RGE. 100

RGE. 0  
RGE. 50  
RGE. 100

MATCHLINE SHEET NO. 006 PI STA. 120+00

MATCHLINE SHEET NO. 004 PI STA. 90+00

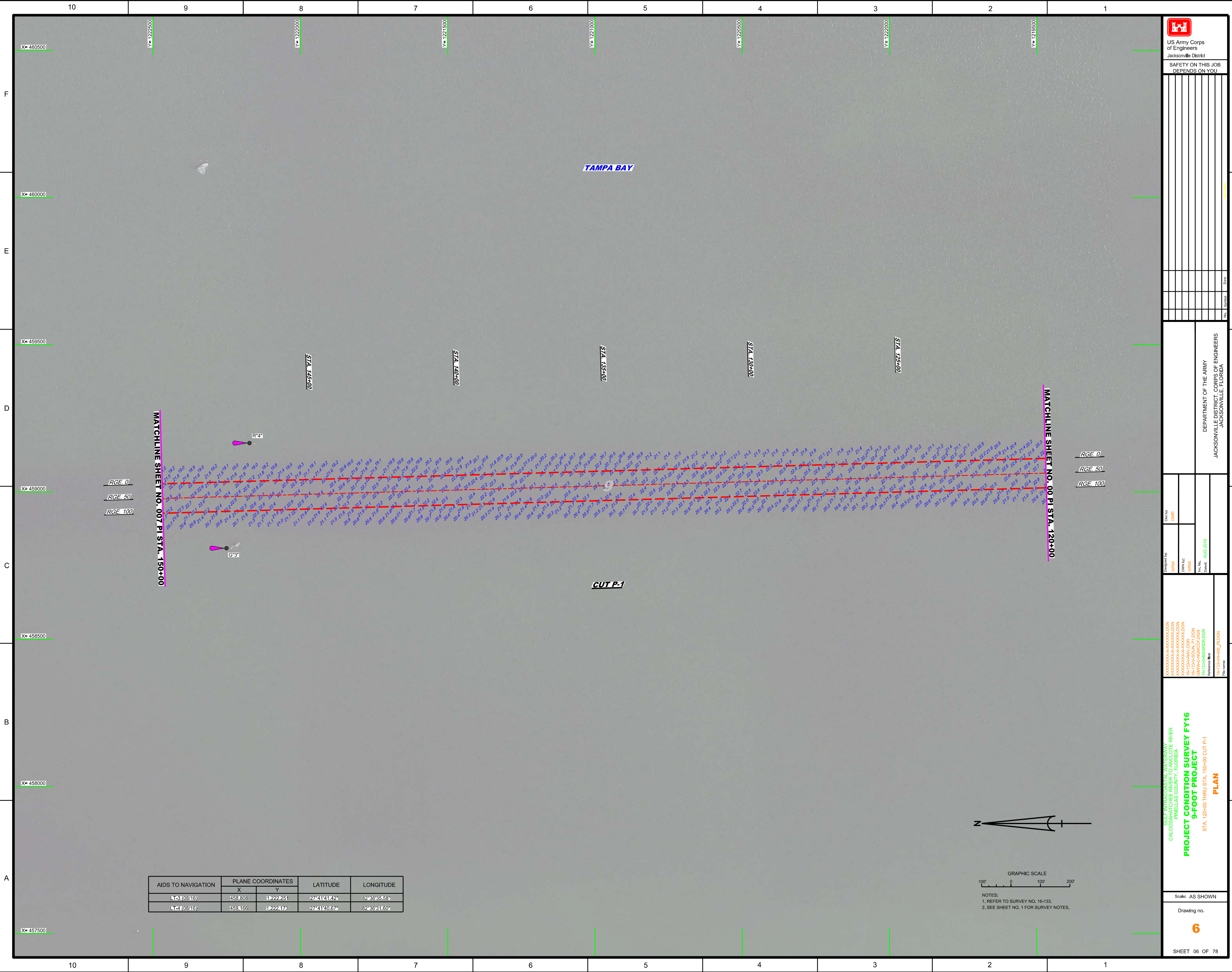
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (0816)	458987	1217912	27°40'58.47"	82°36'33.35"
LT-2 (0816)	459387	1218080	27°41'00.15"	82°36'28.92"

GRAPHIC SCALE  
0 100 200

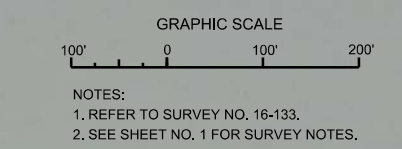
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

GULF INTRACOSTAL WATERWAY AT THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT**  
STA. 90+00 THRU STA. 120+00 CUT P-1  
**PLAN**

Scale: AS SHOWN  
Drawing no.  
**5**  
SHEET 05 OF 78



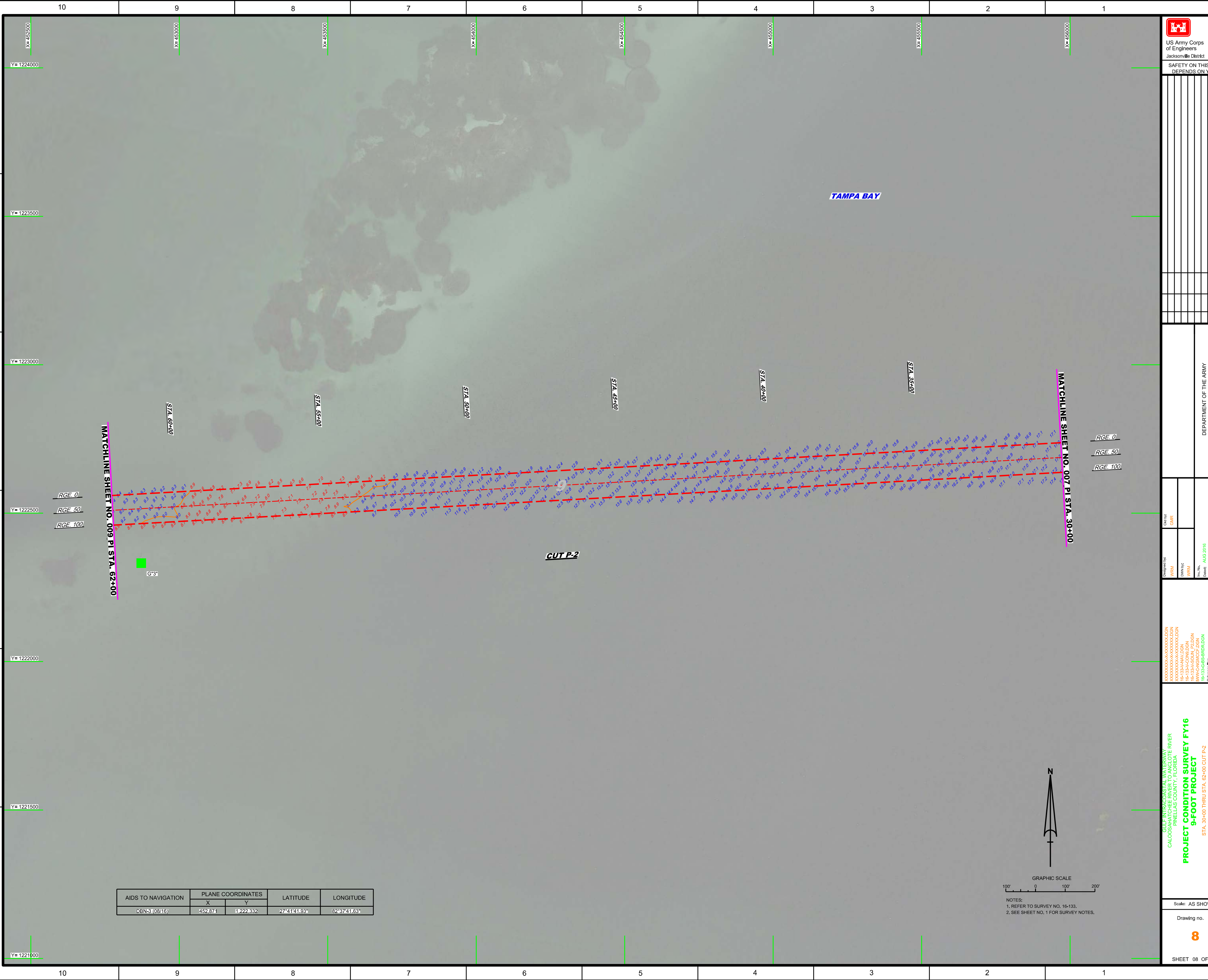
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (08/16)	458808	1222251	27°41'41.72"	82°36'35.58"
LT-1 (08/16)	459166	1222476	27°41'40.67"	82°36'31.60"



NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

 US Army Corps of Engineers Jacksonville District <b>SAFETY ON THIS JOB          DEPENDS ON YOU</b>	
SHEET NO. <b>6</b>	DRAWING NO. <b>6</b>
PROJECT <b>PROJECT CONDITION SURVEY FY16          9-FOOT PROJECT</b>	
LOCATION STA. 120+00 THRU STA. 150+00 CUT P-1 <b>PLAN</b>	
DESIGNED BY WRM DRAWN BY WRM DATE AUG 2016	
DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	
SHEET 06 OF 78	





SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

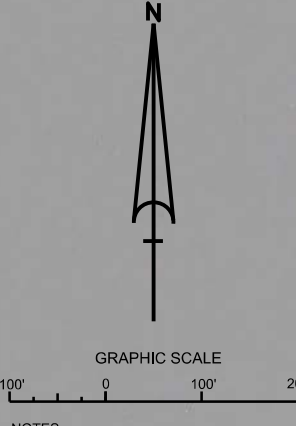
Checked by: GHR	Designed by: WRM
Drawn by: WRM	Date: AUG 2016

XXXXXXXXXXXXXXXXXXXX.DGN  
 XXXXXXXXXXXXXXXXXXXX.DGN  
 16-133A-000.DGN  
 16-133A-CONV.DGN  
 16-133A-CANAL.DGN  
 16-133A-006L\_FLDGN  
 File Name:

GULF INTRACOSTAL WATERWAY  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 30+00 THRU STA. 82+00 CUT P-2  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**8**  
 SHEET 08 OF 78

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-3 (0816)	452871	1222332	27°21'41.59"	82°37'21.63"




NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.








 US Army Corps of Engineers  
 Jacksonville District  
 SAFETY ON THIS JOB  
 DEPENDS ON YOU

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

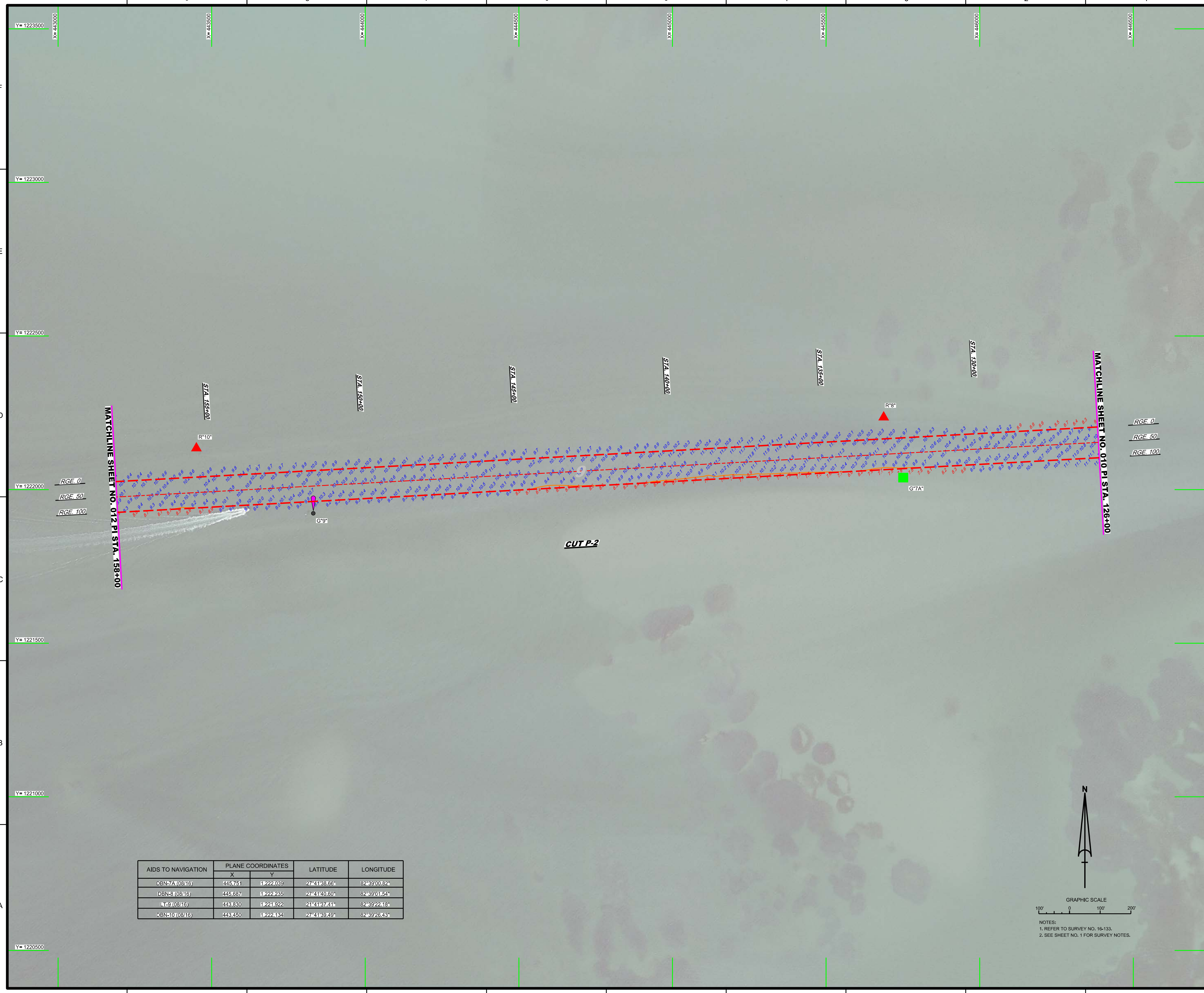
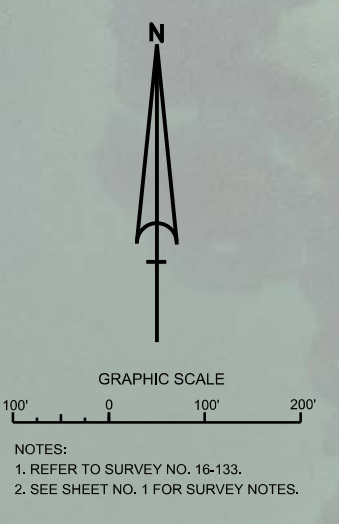
DEPARTMENT OF THE ARMY  
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
 JACKSONVILLE, FLORIDA

Cut by: GHR  
 Designed by: WRM  
 Drawn by: WRM  
 File Name: 16-133A-H01 L\_FL.DGN  
 Date: AUG 2016

GULF INTRACASTAL WATERWAY  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 126+00 THRU STA. 158+00 CUT P-2  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**11**  
 SHEET 11 OF 78

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7A (0816)	445.751	1222.089	27°41'38.66"	82°39'00.82"
DBN-81 (0816)	445.687	1222.235	27°41'40.60"	82°39'01.54"
L-9 (0816)	443.630	1221.922	27°41'37.41"	82°39'22.16"
DBN-10 (0816)	443.450	1222.134	27°41'39.49"	82°39'26.43"



F

E

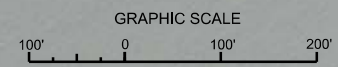
D

C

B

A

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-11 (08/16)	440.982	1,221.699	27°41'35.05"	82°39'53.85"



NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 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

---

Drawn by: WRM	Checked by: GHR	Date: AUG 2016
------------------	--------------------	-------------------

---

<b>PROJECT CONDITION SURVEY FY16          9-FOOT PROJECT          PLAN</b>
STA. 188+00 THRU STA. 190+00 CUT P-2

---

GULF INTRACASTAL WATERWAY PROJECT  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA

---

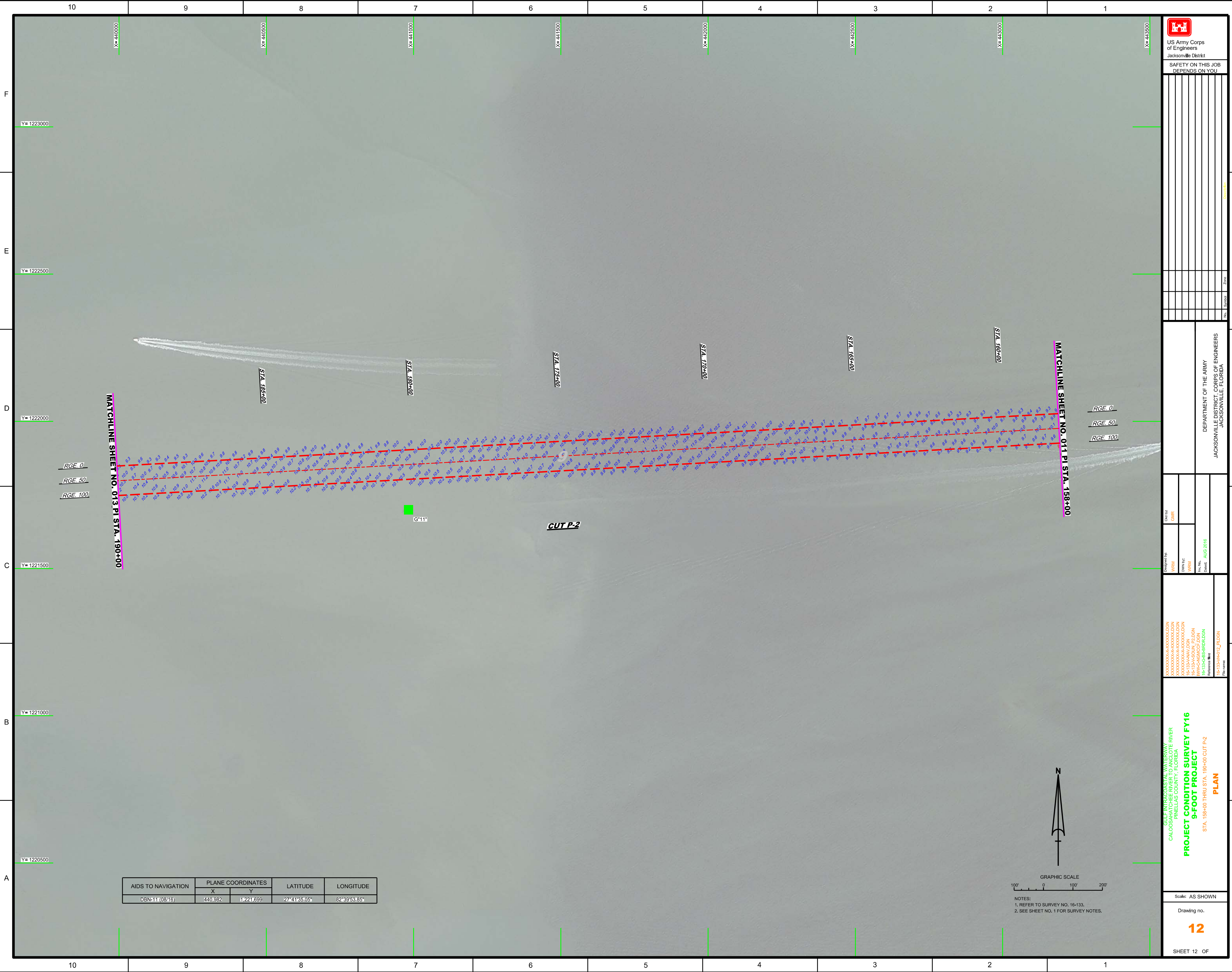
DEPARTMENT OF THE ARMY  
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
 JACKSONVILLE, FLORIDA

---

Scale: AS SHOWN  
 Drawing no.  
12

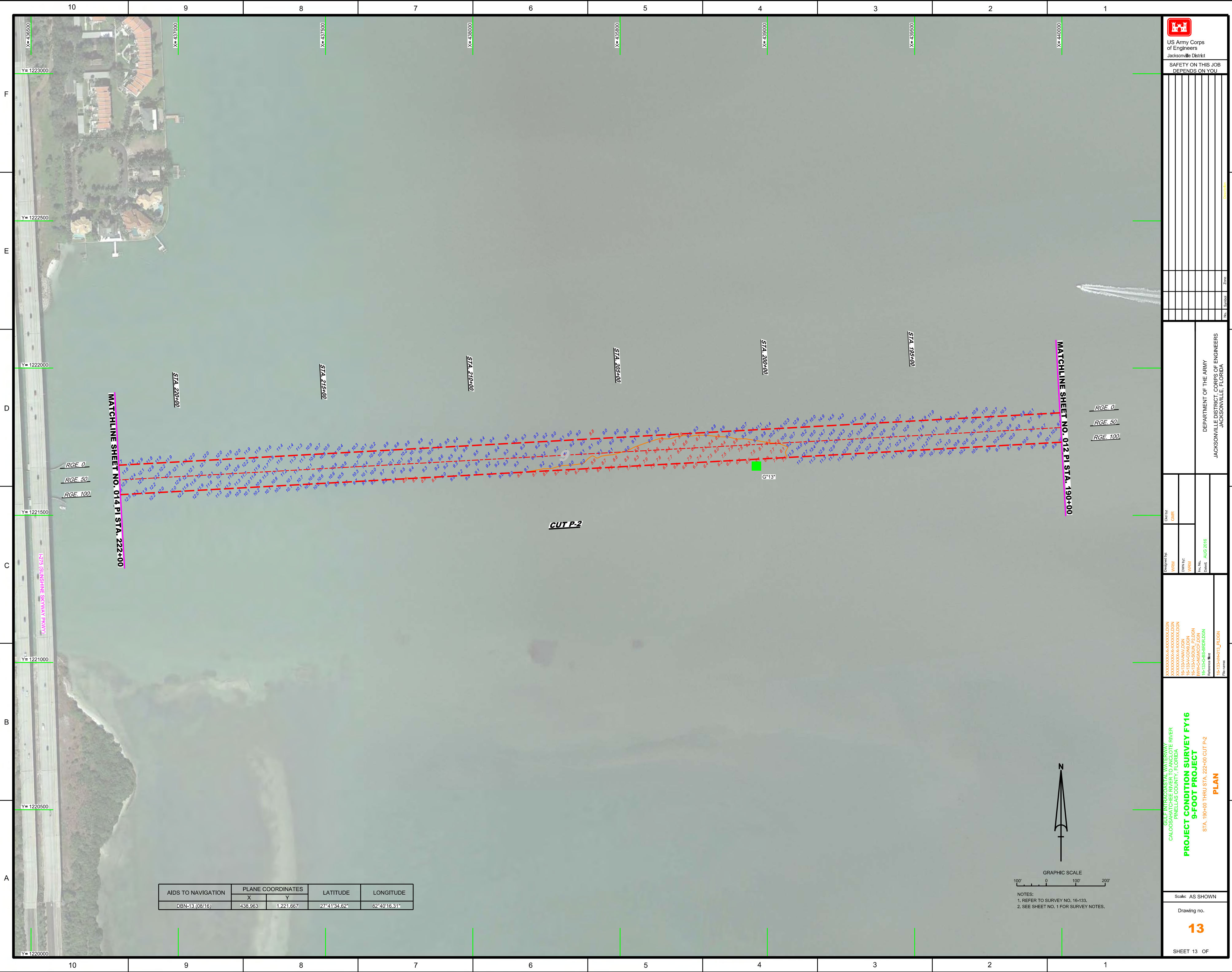
---

SHEET 12 OF



10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1



MATCHLINE SHEET NO. 014 PI STA. 222+00

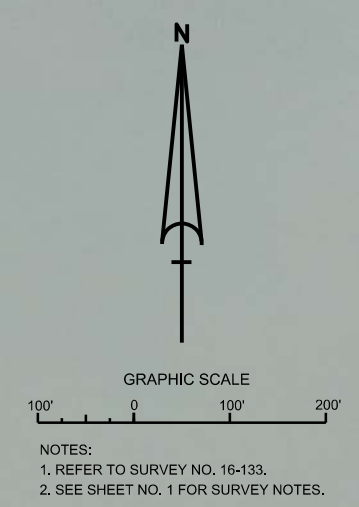
MATCHLINE SHEET NO. 012 PI STA. 190+00

**CUT P-2**

RGE. 0  
RGE. 50  
RGE. 100

RGE. 0  
RGE. 50  
RGE. 100

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-13 (08/16)	438,983	1,221,667	27°41'34.62"	82°40'16.31"



**US Army Corps of Engineers**  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

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

---

Checked by: **GHR**

Designed by: **WRM**

DRAWN BY: **WRM**

File Name: **AUG 2016**

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
16-133A-MAN.DGN  
16-133A-COM.DGN  
16-133A-CON.DGN  
16-133A-IBR.DGN  
16-133A-H01.LL.DGN

---

GULF INTRACASTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA

**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**

STA. 190+00 THRU STA. 222+00 CUT P-2

**PLAN**

Scale: AS SHOWN

Drawing no.  
**13**

SHEET 13 OF





US Army Corps  
of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU


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

Checked by: GHR  
Designed by: WRM  
Drawn by: WRM  
File Name: AUG 2016  
Drawing Date: AUG 2016

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
R6133AAV.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN  
R6133ASDUA\_P2.DGN

GULF INTRACASTAL WATERWAY AT THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
STA. 254+00 CUT P-2 THRU STA. 6+00 CUT P-2A  
**PLAN**

Scale: AS SHOWN

Drawing no.

**15**

SHEET 15 OF 78



P.I. STA. 279+99.99 CUT P-2  
P.T. STA. 0+00 CUT P-2A

STA. 275+00

STA. 270+00

STA. 265+00

STA. 260+00

STA. 255+00

MATCHLINE SHEET NO. 014 P.I. STA. 254+00

RGE 0  
RGE 50  
RGE 100

R=16'

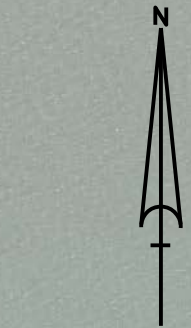
CUT P-2

CUT P-2A

MATCHLINE SHEET NO. 010 P.I. STA. 6+00

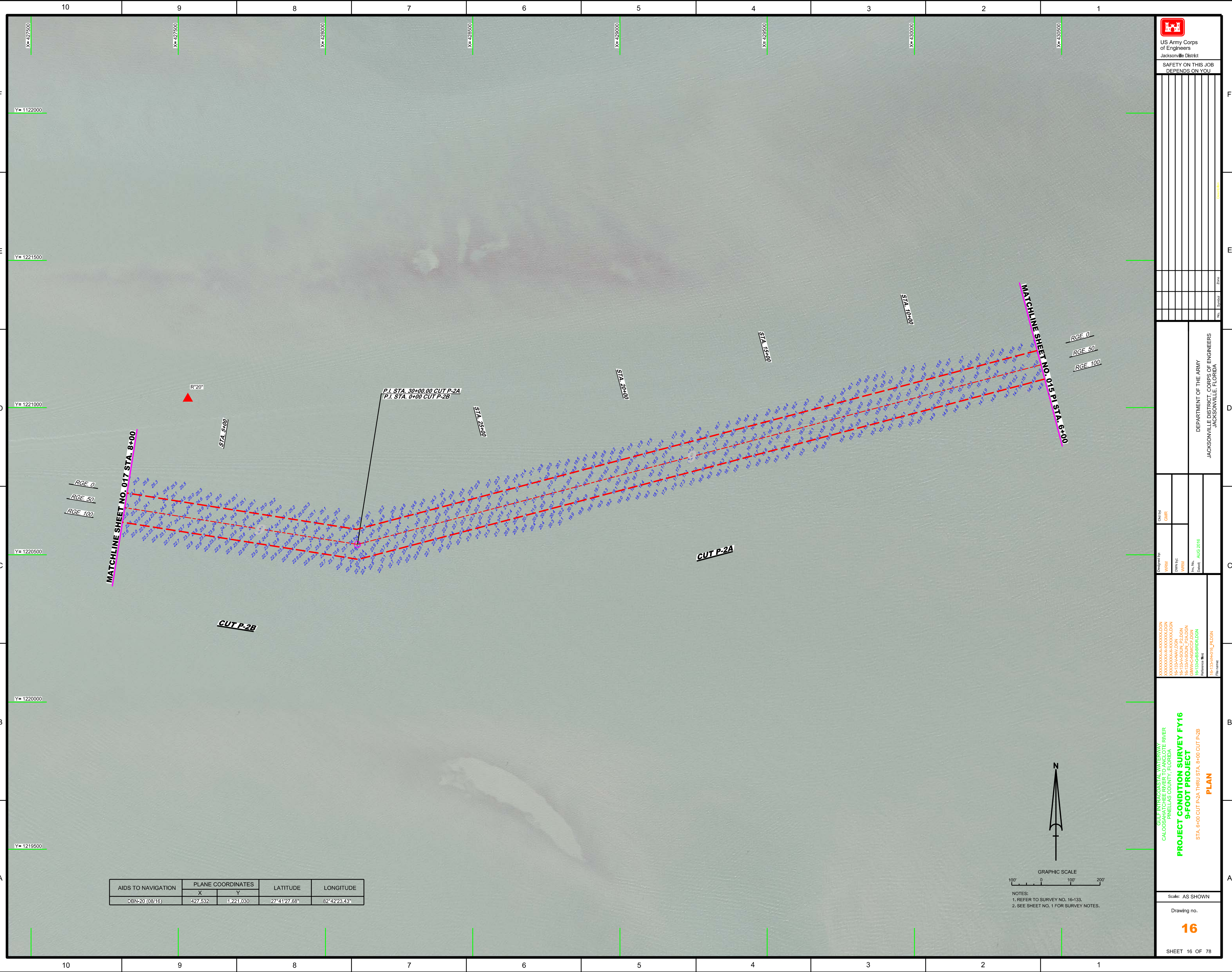
RGE 0  
RGE 50  
RGE 100

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-16 (08/16)	432.666	1221.437	27°41'31.99"	82°41'26.34"
LT-17 (08/16)	431.784	1221.235	27°41'29.95"	82°41'36.14"

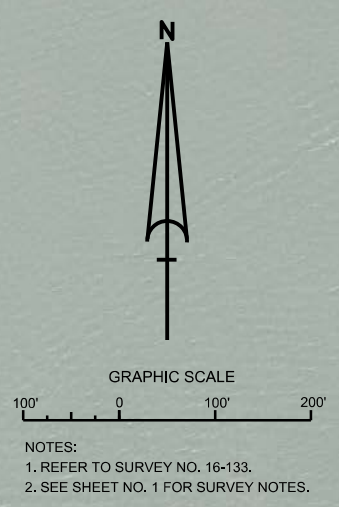


GRAPHIC SCALE  
0 100 200

NOTES:  
1. REFER TO SURVEY NO. 16-133,  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



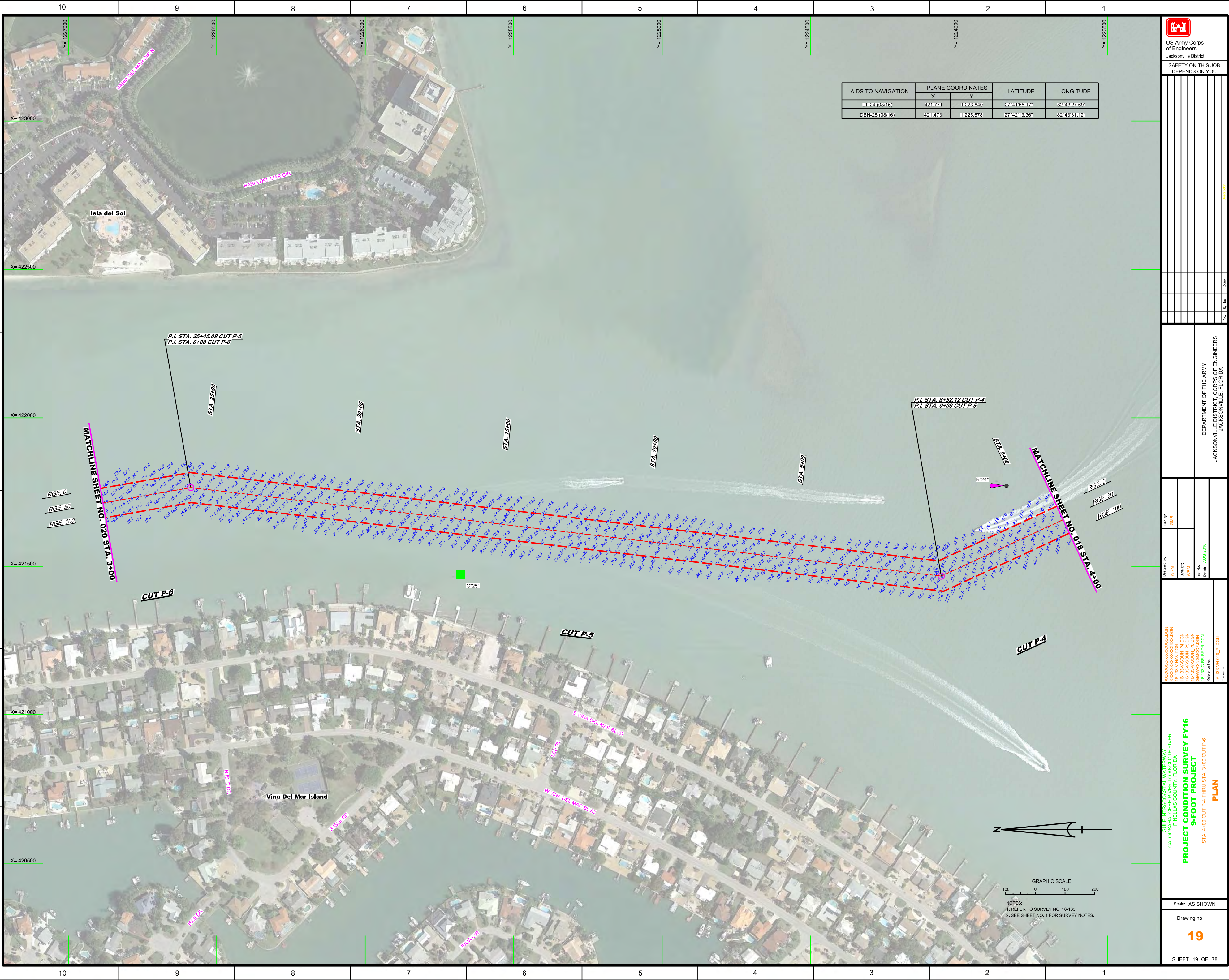
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-20 (08/16)	427.532	1221.030	27°41'27.68"	82°42'23.43"












AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-24 (08/16)	421,771	1,223,840	27°41'55.17"	82°43'27.69"
DBN-25 (08/16)	421,473	1,225,678	27°42'13.36"	82°43'31.12"

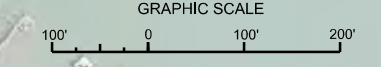

  
 US Army Corps of Engineers
   
 Jacksonville District
   
 SAFETY ON THIS JOB
   
 DEPENDS ON YOU

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

Designated By: WRM  
 Drawn By: WRM  
 Checked: AUG 2018  
 Date: AUG 2018

GULF INTRACOSTAL WATERWAY TO THE RIVER  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 4+00 CUT P-4 THRU STA. 3+00 CUT P-6  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**19**  
 SHEET 19 OF 78



NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



G'25'

P.I. STA. 8+52.12 CUT P-4  
 P.I. STA. 0+00 CUT P-5

P.I. STA. 25+45.09 CUT P-5  
 P.I. STA. 0+00 CUT P-6

MATCHLINE SHEET NO. 020 STA. 3+00

MATCHLINE SHEET NO. 018 STA. 4+00  
 RGE 0  
 RGE 50  
 RGE 100

CUT P-6

CUT P-5

CUT P-4

Isla del Sol

Vina Del Mar Island

BAHIA DEL MAR CIR

E VINA DEL MAR BLVD

W VINA DEL MAR BLVD

N VINA CIR

S VINA CIR

STA. 20+00

STA. 15+00

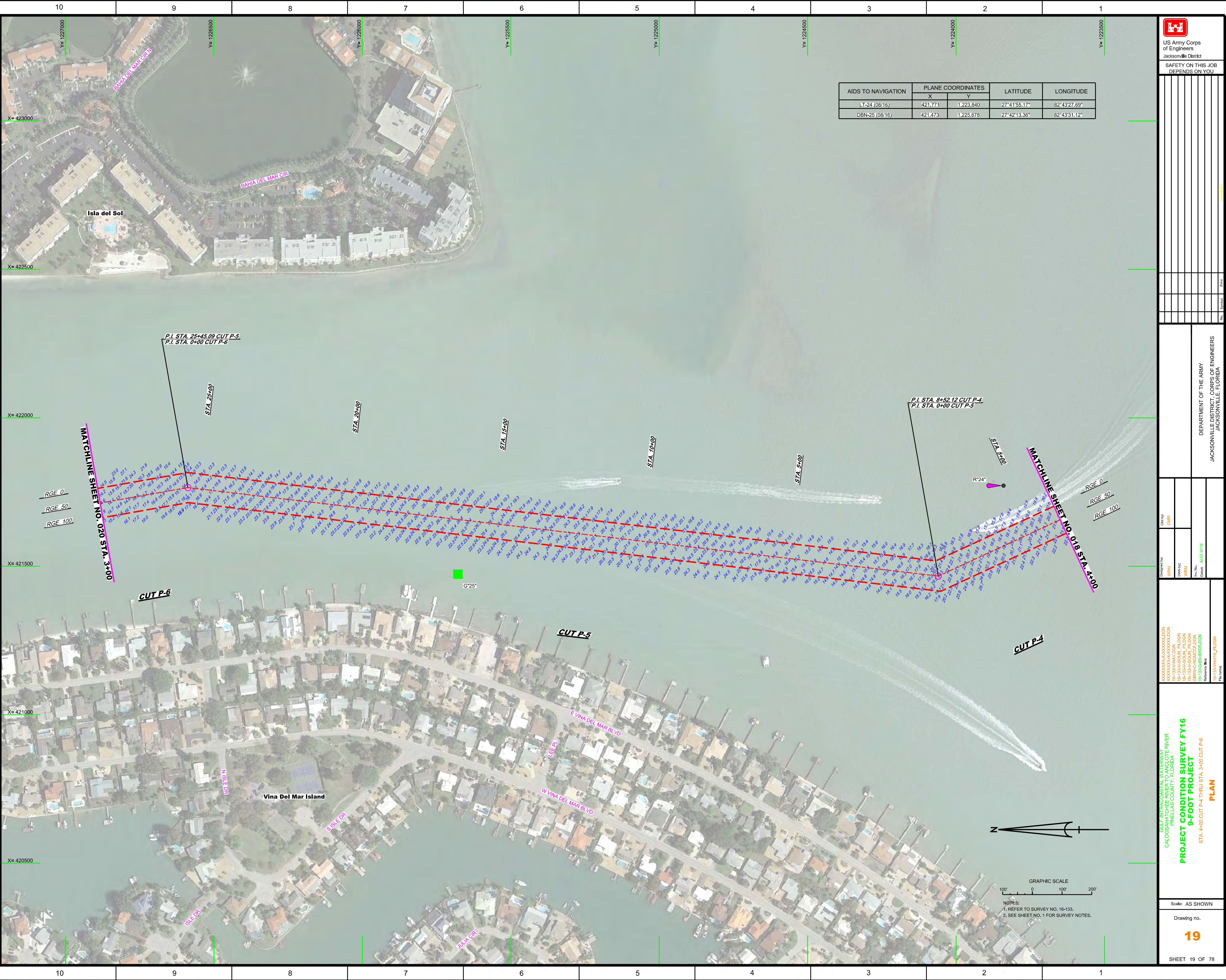
STA. 10+00


STA. 5+00

STA. 0+00

RGE 0  
RGE 50  
RGE 100

RGE 0  
RGE 50  
RGE 100





US Army Corps of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

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

City: GJR  
Designed by: WRM  
Drawn by: WRM  
Reviewed by: WRM  
Date: AUG 2018

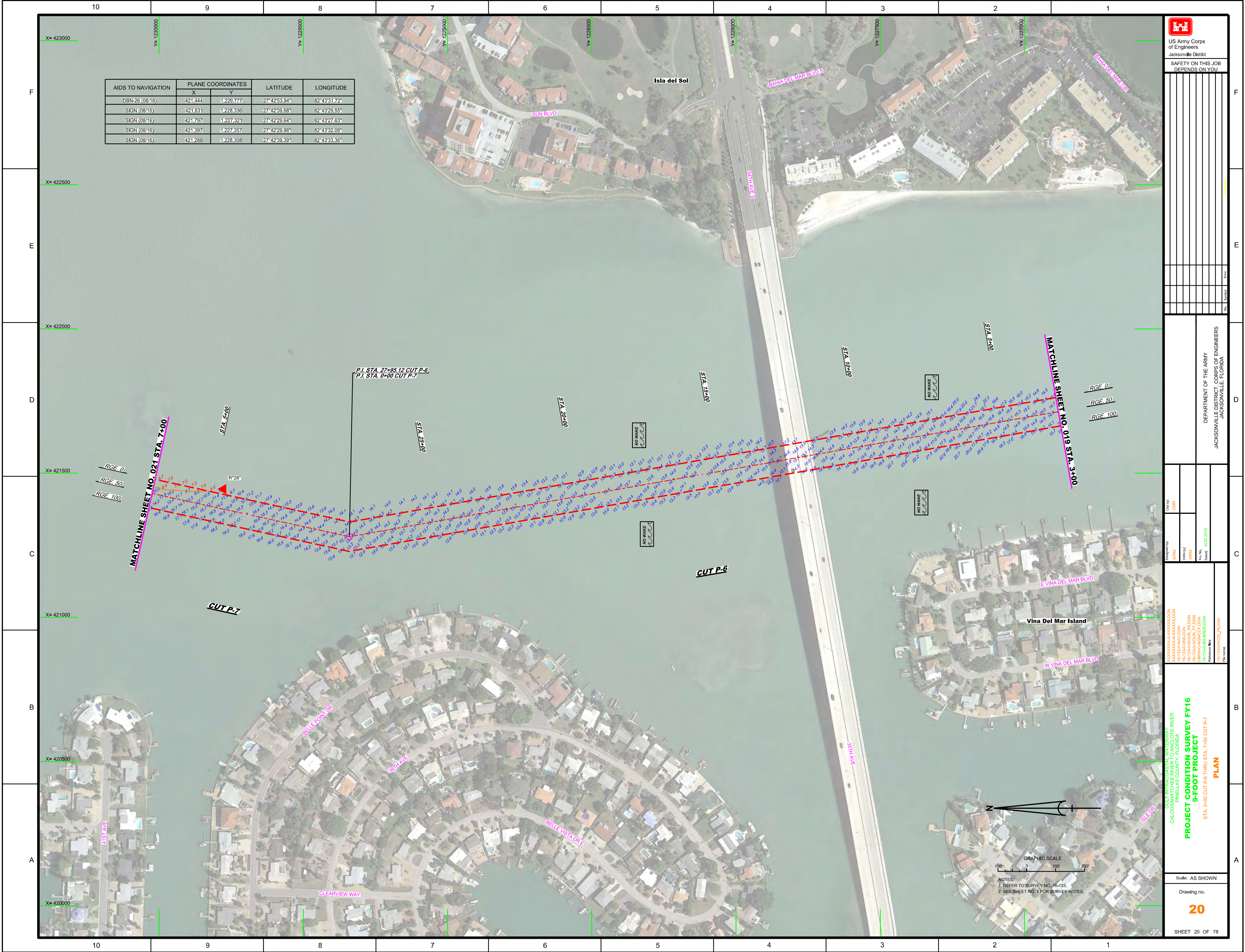
GULF INTRACOASTAL WATERWAY AT THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
STA. 3+00 CUT P-6 THRU STA. 7+00 CUT P-7  
**PLAN**

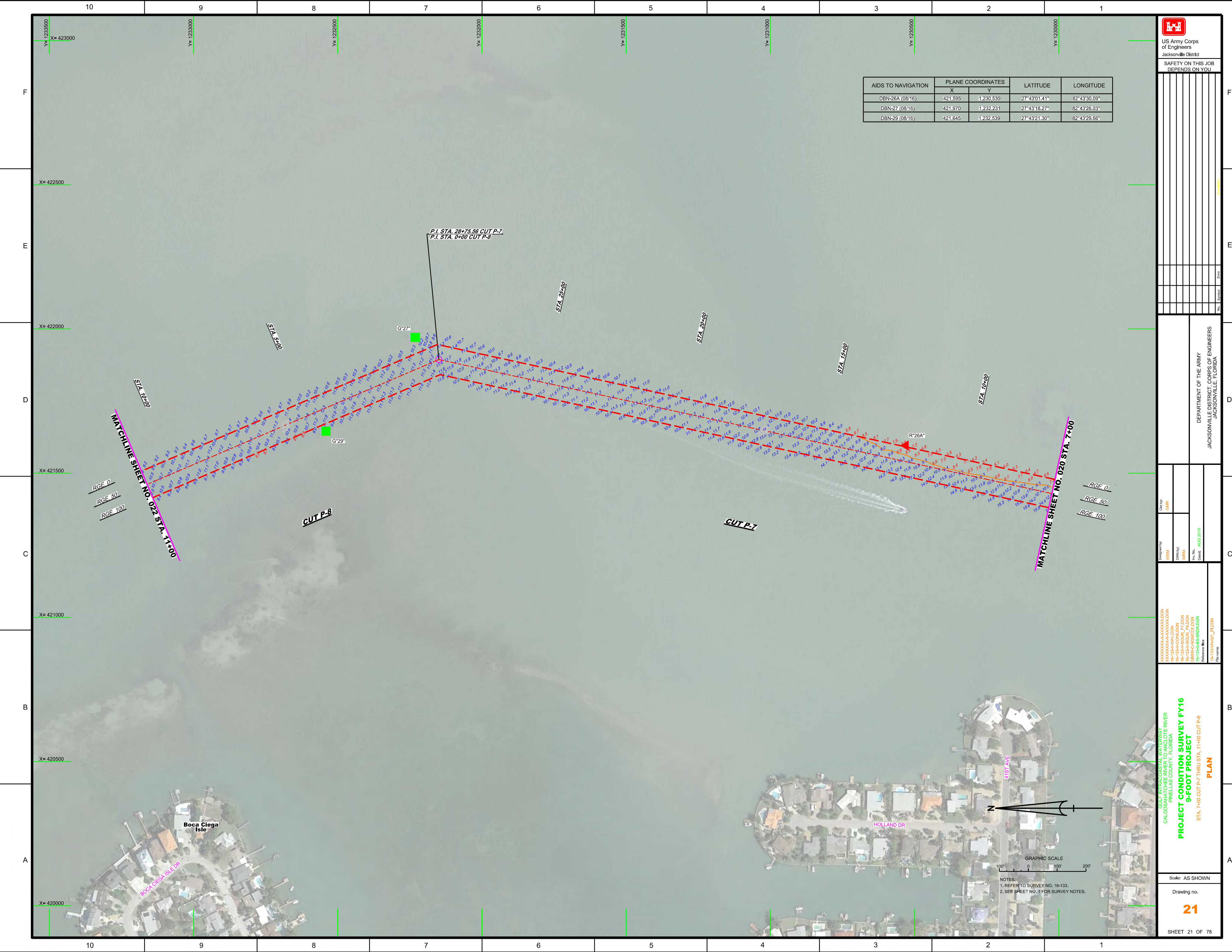
Scale: AS SHOWN

Drawing no.  
**20**


SHEET 20 OF 78

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-26 (08/16)	421,444	1,229,777	27°42'53.94"	82°43'31.72"
SIGN (08/16)	421,631	1,228,336	27°42'39.68"	82°43'29.55"
SIGN (09/16)	421,797	1,227,321	27°42'29.64"	82°43'27.63"
SIGN (09/16)	421,397	1,227,357	27°42'29.98"	82°43'32.08"
SIGN (08/16)	421,285	1,228,308	27°42'38.39"	82°43'33.36"





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-26A (08/16)	421,595	1,230,530	27°43'01.41"	82°43'30.09"
DBN-27 (08/16)	421,970	1,232,231	27°43'18.27"	82°43'28.03"
DBN-29 (08/16)	421,645	1,232,539	27°43'21.30"	82°43'29.66"



US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB DEPENDS ON YOU

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

Checked by: GHR  
Designed by: WRM  
Drawn by: WRM  
File Name: AUG 2016

GULF INTRACOSTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
PLAN  
STA. 7+00 CUT P-7 THRU STA. 11+00 CUT P-8

GRAPHIC SCALE  
100' 0 100' 200'  
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-31 (0816)	419,948	11238,526	27°44'00.68"	82°43'48.81"
DBN-33 (0816)	419,127	11238,266	27°44'17.86"	82°43'58.06"
LT-34 (0816)	419,160	11238,797	27°44'23.12"	82°43'57.72"
DBN-35 (0816)	418,823	11238,851	27°44'23.63"	82°44'01.48"

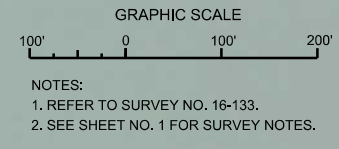

  
 US Army Corps of Engineers  
 Jacksonville District  
 SAFETY ON THIS JOB  
 DEPENDS ON YOU

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

Checked by: GHR  
 Designed by: WRM  
 Drawn by: WRM  
 File No.: AUG 2016  
 Date: AUG 2016

GULF INTRACOSTAL WATERWAY  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 43+00 CUT P-8 THRU STA. 3+00 CUT P-9  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**23**  
 SHEET 23 OF 78



MATCHLINE SHEET NO. 022 STA. 43+00

MATCHLINE SHEET NO. 024 STA. 3+00

RGE. 0  
 RGE. 50  
 RGE. 100

RGE. 0  
 RGE. 50  
 RGE. 100

**CUT P-8**

**CUT P-9**

Bahia Shores

Brightwater

BAHIA WAY N

BAHIA WAY S

BAHIA HONDA WAY N

BAHIA HONDA WAY S

3WY H155

STA. 70+00

STA. 65+00

STA. 60+00

STA. 55+00

STA. 50+00

STA. 45+00

P.I. STA. 72+17.97 CUT P-8  
 P.I. STA. 0+00 CUT P-9

R=34'

G\*35'

G\*33'

G\*31'

X=420000

X=419500

X=419000

X=418500

X=418000

X=417500

Y=1228500

Y=1228000

Y=1227500

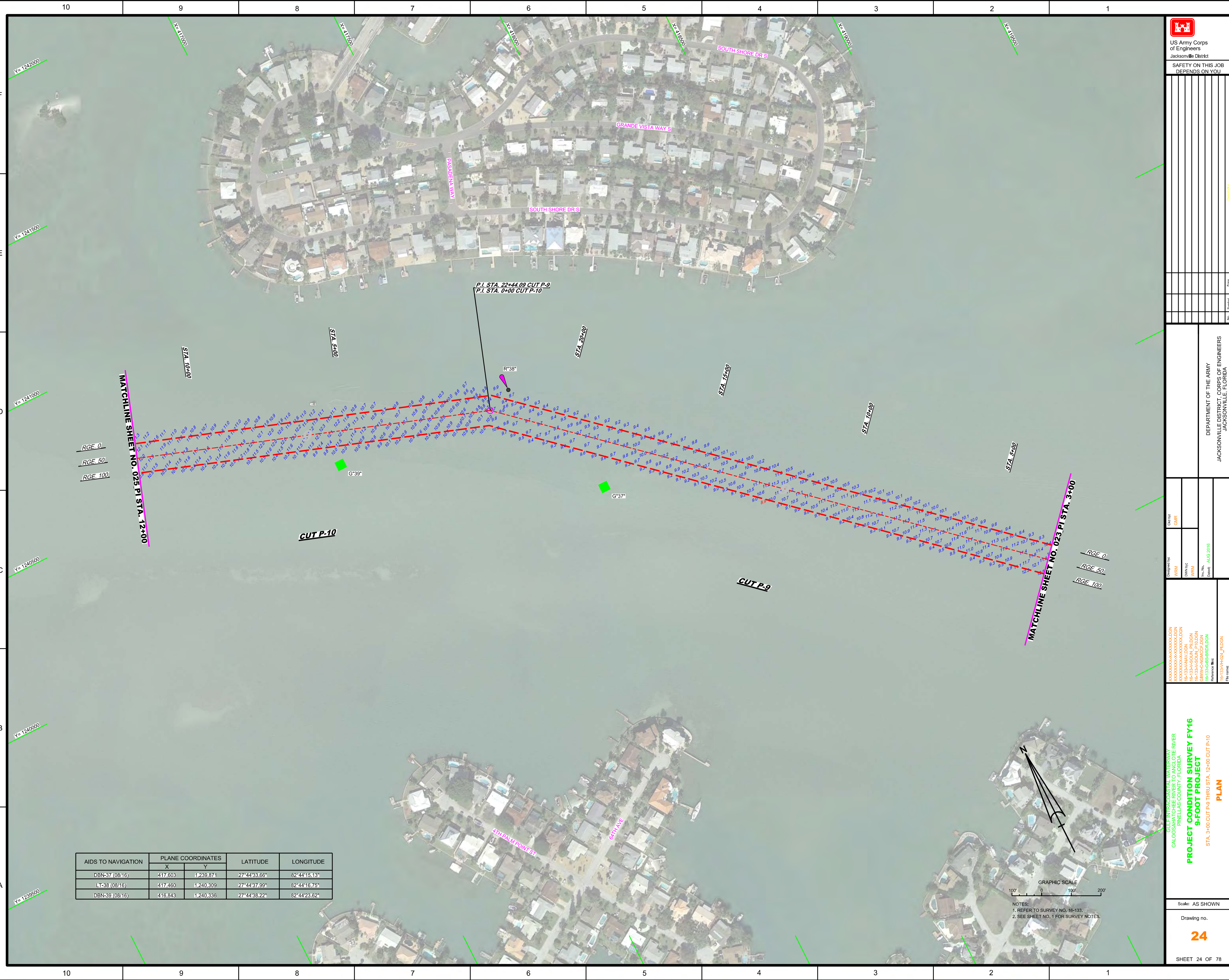
Y=1227000

Y=1226500

Y=1226000

Y=1225500

Boca Ciega Bay



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-37 (0816)	417,603	1,239,874	27°44'33.66"	82°44'15.13"
LT-38 (0816)	417,460	1,240,309	27°44'37.99"	82°44'16.75"
DBN-39 (0816)	416,843	1,240,336	27°44'38.22"	82°44'23.62"

GRAPHIC SCALE  
100' 0 100' 200'

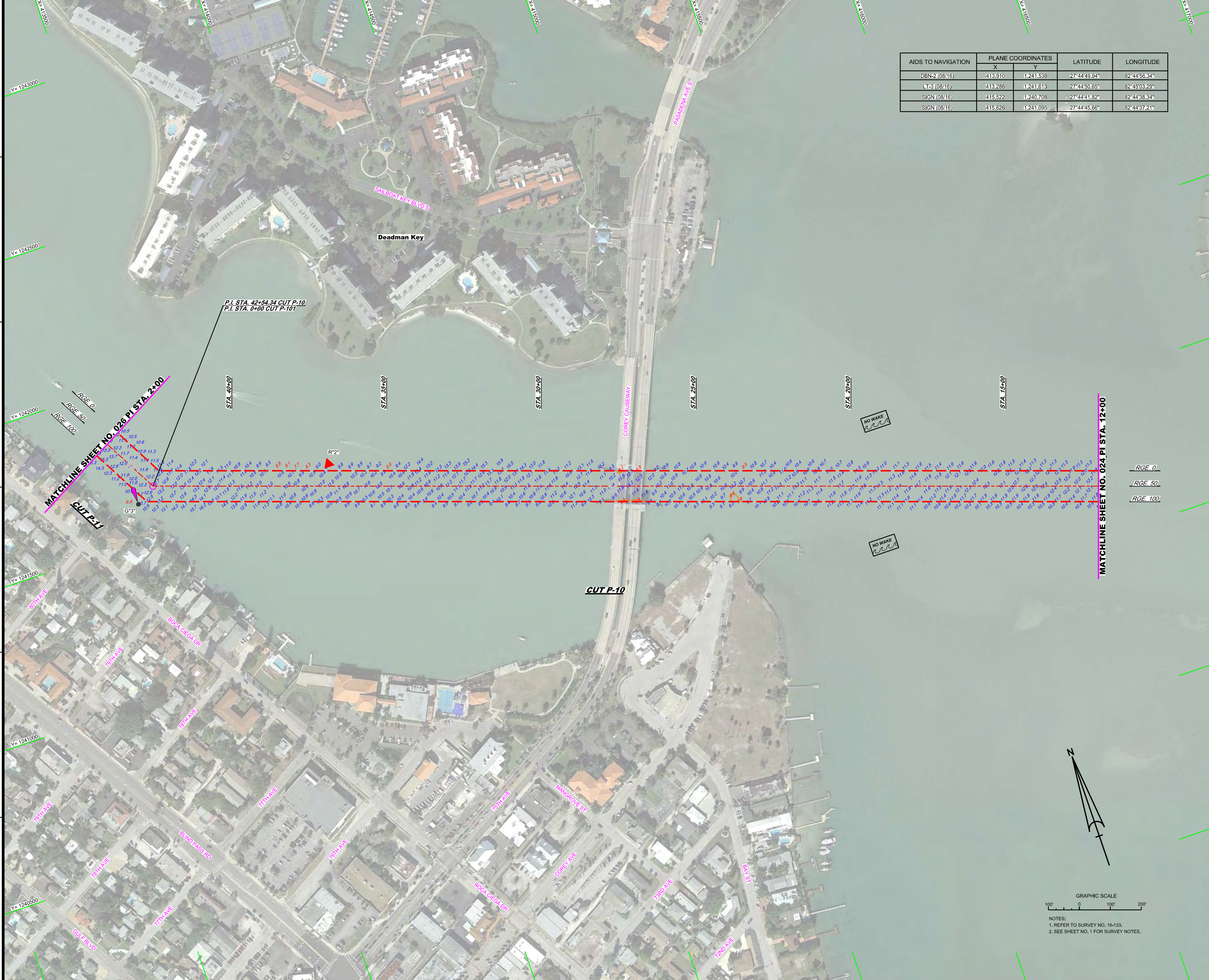
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Checked by: GHR  
Designed by: WRM  
Drawn by: WRM  
File No.: AUG 2018  
Reference files:  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN  
16-133-000-000000.DGN

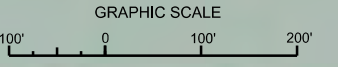
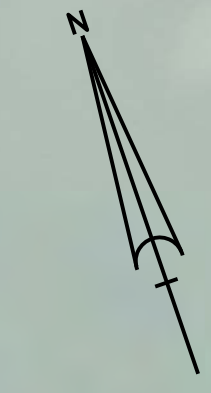
GULF INTRACOSTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT**  
PLAN  
STA. 3+00 CUT P-9 THRU STA. 12+00 CUT P-10



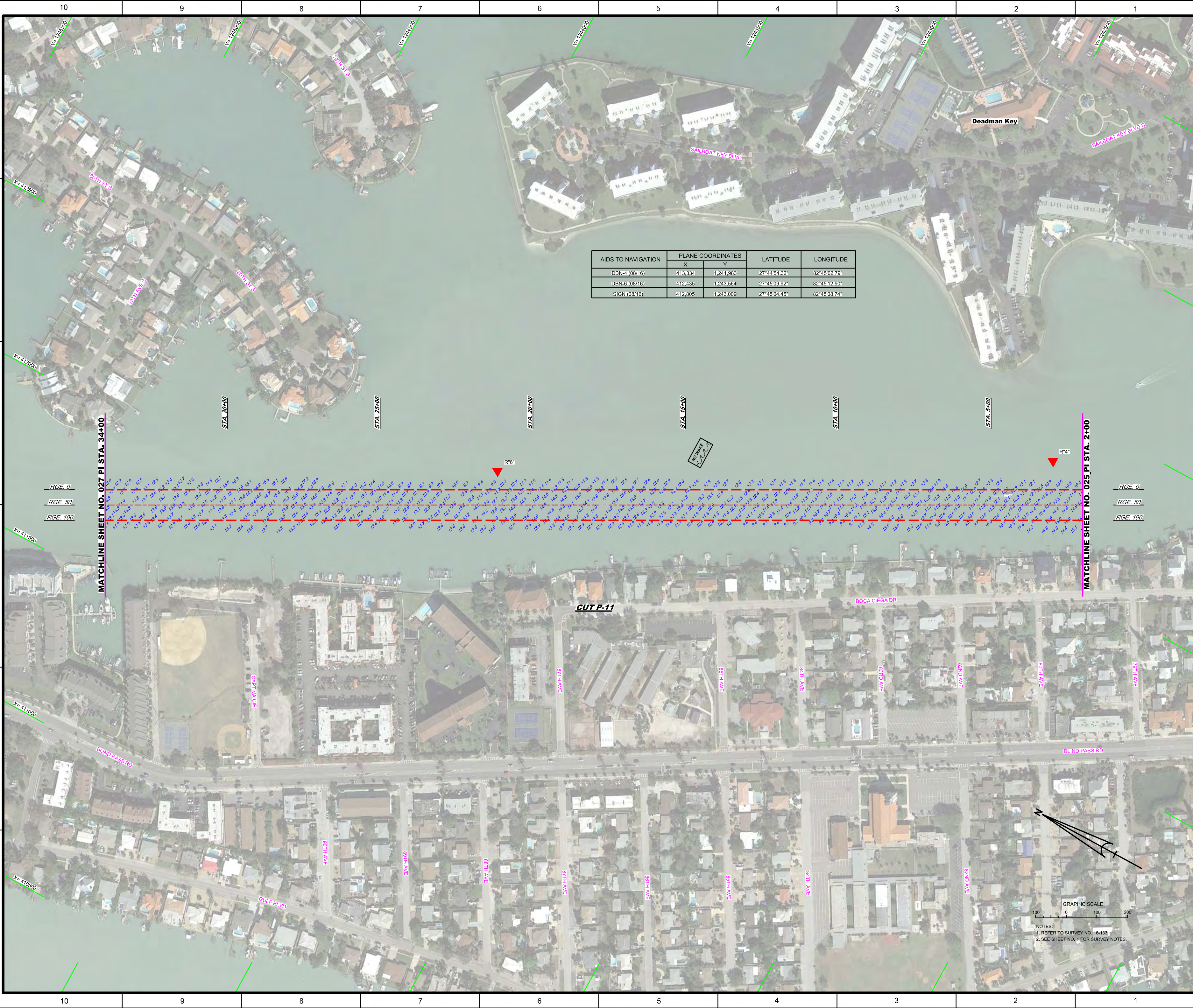


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-2 (08/16)	413,910	1241,538	27°44'49.94"	82°44'56.34"
LT-3 (08/16)	413,286	1241,613	27°44'50.65"	82°45'03.29"
SIGN (08/16)	415,522	1240,708	27°44'41.82"	82°44'38.34"
SIGN (08/16)	415,626	1241,095	27°44'45.66"	82°44'37.21"

US Army Corps of Engineers Jacksonville District	
SAFETY ON THIS JOB DEPENDS ON YOU	
DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	
Drawn by: GHR Designated by: WRM Design Date: AUG 2016	Checked by: WRM Design Date: AUG 2016
PROJECT CONDITION SURVEY FY16 9-FOOT PROJECT STA. 12+00 CUT P-10 THRU STA. 2+00 CUT P-11 PLAN	
GULF INTRACASTAL WATERWAY OF THE RIVER CALOOSAHATCHEE RIVER PINELLAS COUNTY, FLORIDA	
Scale: AS SHOWN Drawing no. <b>25</b> SHEET 25 OF 78	



NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4 (08/16)	413.334	1,241.983	27°44'54.32"	82°45'02.79"
DBN-5 (08/16)	412.435	1,243.564	27°45'09.92"	82°45'12.80"
SIGN (08/16)	412.805	1,243.009	27°45'04.45"	82°45'08.74"

**US Army Corps of Engineers**  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

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

---

Drawn by: **WRM**

Checked by: **GHR**

Design Date: **AUG 2016**

Project: **PROJECT CONDITION SURVEY FY16**

Location: **9-FOOT PROJECT**

Stationing: **STA. 2+00 THRU STA. 34+00 CUT P-11**

Plan

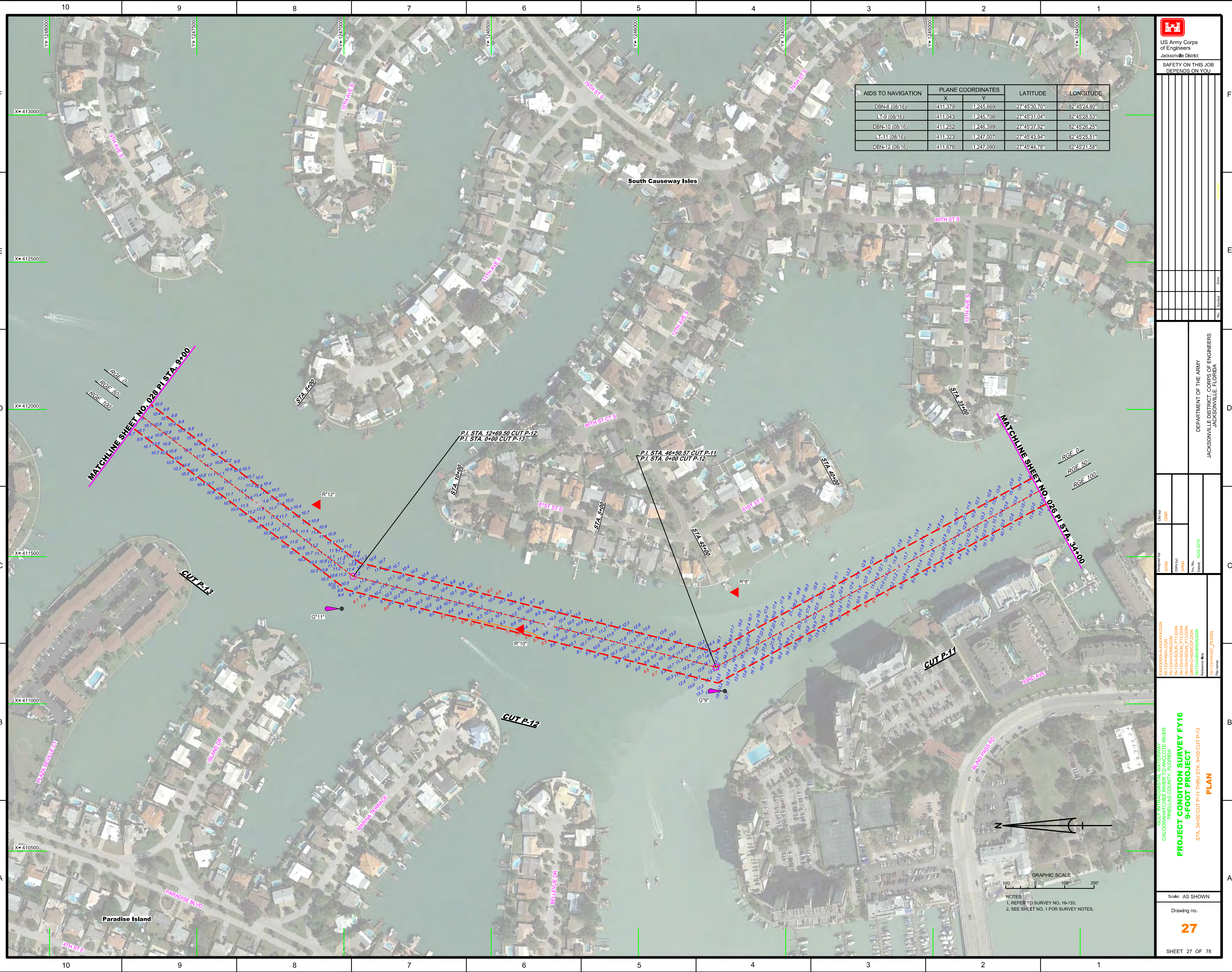
---

Scale: **AS SHOWN**

Drawing no. **26**

SHEET 26 OF 78

AIDS TO NAVIGATION	X	Y	LATITUDE	LONGITUDE
DBN-8 (08/16)	411,379	1,245,669	27°45'30.70"	82°45'24.80"
LT-9 (08/16)	411,043	1,245,706	27°45'31.04"	82°45'28.63"
DBN-10 (08/16)	411,262	1,246,399	27°45'37.92"	82°45'26.25"
LT-11 (08/16)	411,323	1,247,007	27°45'43.94"	82°45'25.51"
DBN-12 (08/16)	411,676	1,247,090	27°45'44.78"	82°45'21.68"



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

Checked By: GHR  
Designed By: WRM  
Drawn By: WRM  
In Charge: WRM  
Date: AUG 2016

XXXXXXXXXXXXXXXXXXXX.DGN  
R-133A-HAN.DGN  
R-133A-SOUL\_P11.DGN  
R-133A-SOUL\_P12.DGN  
R-133A-SOUL\_P13.DGN  
R-133A-SOUL\_P14.DGN  
R-133A-SOUL\_P15.DGN  
R-133A-SOUL\_P16.DGN  
R-133A-SOUL\_P17.DGN  
R-133A-SOUL\_P18.DGN  
R-133A-SOUL\_P19.DGN  
R-133A-SOUL\_P20.DGN  
R-133A-SOUL\_P21.DGN  
R-133A-SOUL\_P22.DGN  
R-133A-SOUL\_P23.DGN  
R-133A-SOUL\_P24.DGN  
R-133A-SOUL\_P25.DGN  
R-133A-SOUL\_P26.DGN  
R-133A-SOUL\_P27.DGN  
R-133A-SOUL\_P28.DGN  
R-133A-SOUL\_P29.DGN  
R-133A-SOUL\_P30.DGN  
R-133A-SOUL\_P31.DGN  
R-133A-SOUL\_P32.DGN  
R-133A-SOUL\_P33.DGN  
R-133A-SOUL\_P34.DGN  
R-133A-SOUL\_P35.DGN  
R-133A-SOUL\_P36.DGN  
R-133A-SOUL\_P37.DGN  
R-133A-SOUL\_P38.DGN  
R-133A-SOUL\_P39.DGN  
R-133A-SOUL\_P40.DGN  
R-133A-SOUL\_P41.DGN  
R-133A-SOUL\_P42.DGN  
R-133A-SOUL\_P43.DGN  
R-133A-SOUL\_P44.DGN  
R-133A-SOUL\_P45.DGN  
R-133A-SOUL\_P46.DGN  
R-133A-SOUL\_P47.DGN  
R-133A-SOUL\_P48.DGN  
R-133A-SOUL\_P49.DGN  
R-133A-SOUL\_P50.DGN  
R-133A-SOUL\_P51.DGN  
R-133A-SOUL\_P52.DGN  
R-133A-SOUL\_P53.DGN  
R-133A-SOUL\_P54.DGN  
R-133A-SOUL\_P55.DGN  
R-133A-SOUL\_P56.DGN  
R-133A-SOUL\_P57.DGN  
R-133A-SOUL\_P58.DGN  
R-133A-SOUL\_P59.DGN  
R-133A-SOUL\_P60.DGN  
R-133A-SOUL\_P61.DGN  
R-133A-SOUL\_P62.DGN  
R-133A-SOUL\_P63.DGN  
R-133A-SOUL\_P64.DGN  
R-133A-SOUL\_P65.DGN  
R-133A-SOUL\_P66.DGN  
R-133A-SOUL\_P67.DGN  
R-133A-SOUL\_P68.DGN  
R-133A-SOUL\_P69.DGN  
R-133A-SOUL\_P70.DGN  
R-133A-SOUL\_P71.DGN  
R-133A-SOUL\_P72.DGN  
R-133A-SOUL\_P73.DGN  
R-133A-SOUL\_P74.DGN  
R-133A-SOUL\_P75.DGN  
R-133A-SOUL\_P76.DGN  
R-133A-SOUL\_P77.DGN  
R-133A-SOUL\_P78.DGN  
R-133A-SOUL\_P79.DGN  
R-133A-SOUL\_P80.DGN  
R-133A-SOUL\_P81.DGN  
R-133A-SOUL\_P82.DGN  
R-133A-SOUL\_P83.DGN  
R-133A-SOUL\_P84.DGN  
R-133A-SOUL\_P85.DGN  
R-133A-SOUL\_P86.DGN  
R-133A-SOUL\_P87.DGN  
R-133A-SOUL\_P88.DGN  
R-133A-SOUL\_P89.DGN  
R-133A-SOUL\_P90.DGN  
R-133A-SOUL\_P91.DGN  
R-133A-SOUL\_P92.DGN  
R-133A-SOUL\_P93.DGN  
R-133A-SOUL\_P94.DGN  
R-133A-SOUL\_P95.DGN  
R-133A-SOUL\_P96.DGN  
R-133A-SOUL\_P97.DGN  
R-133A-SOUL\_P98.DGN  
R-133A-SOUL\_P99.DGN  
R-133A-SOUL\_P100.DGN

GULF INTRACOSTAL WATERWAY TO THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
STA. 34+00 CUT P-11 THRU STA. 9+00 CUT P-13  
**PLAN**

Scale: AS SHOWN  
Drawing no.  
**27**  
SHEET 27 OF 78

GRAPHIC SCALE  
0 100 200

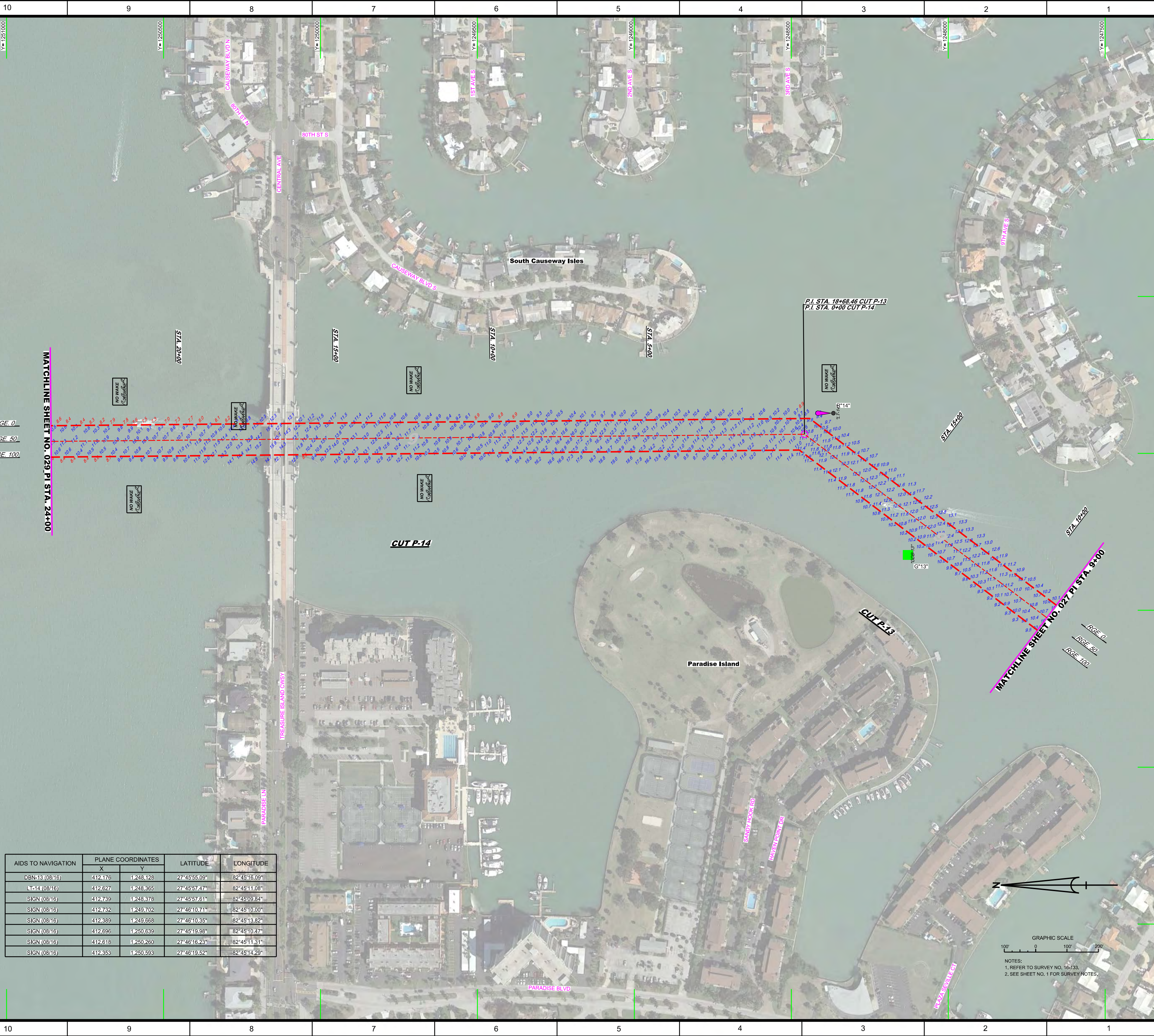
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.


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



GULF INTRACOSTAL WATERWAY TO THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT**  
PLAN  
STA. 9+400 CUT P-13 THRU STA. 24+400 CUT P-14

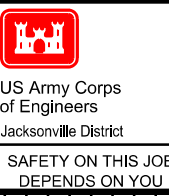
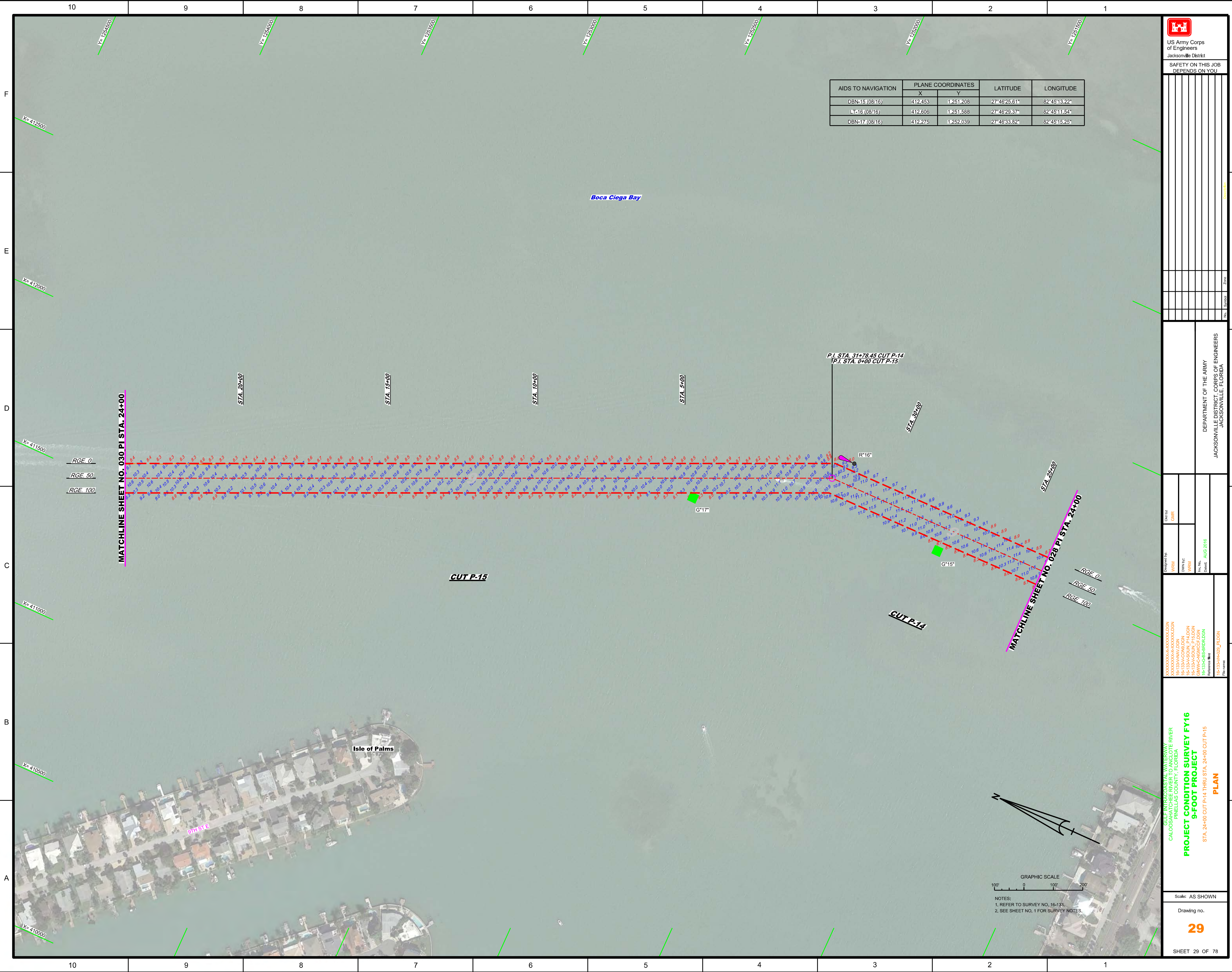
Scale: AS SHOWN  
Drawing no.  
**28**  
SHEET 28 OF 78



RGE. 0  
RGE. 50  
RGE. 100

GRAPHIC SCALE  
0 100 200  
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-13 (08/16)	412,176	1,248,128	27°45'55.09"	82°45'16.09"
LT-14 (08/16)	412,627	1,248,365	27°45'57.47"	82°45'11.08"
SIGN (08/16)	412,739	1,248,378	27°45'57.61"	82°45'09.84"
SIGN (08/16)	412,732	1,249,702	27°46'10.71"	82°45'10.00"
SIGN (08/16)	412,389	1,249,668	27°46'10.35"	82°45'13.82"
SIGN (08/16)	412,696	1,250,639	27°45'19.98"	82°45'10.47"
SIGN (08/16)	412,618	1,250,260	27°46'16.23"	82°45'11.31"
SIGN (08/16)	412,353	1,250,593	27°46'19.52"	82°45'14.29"



US Army Corps  
of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

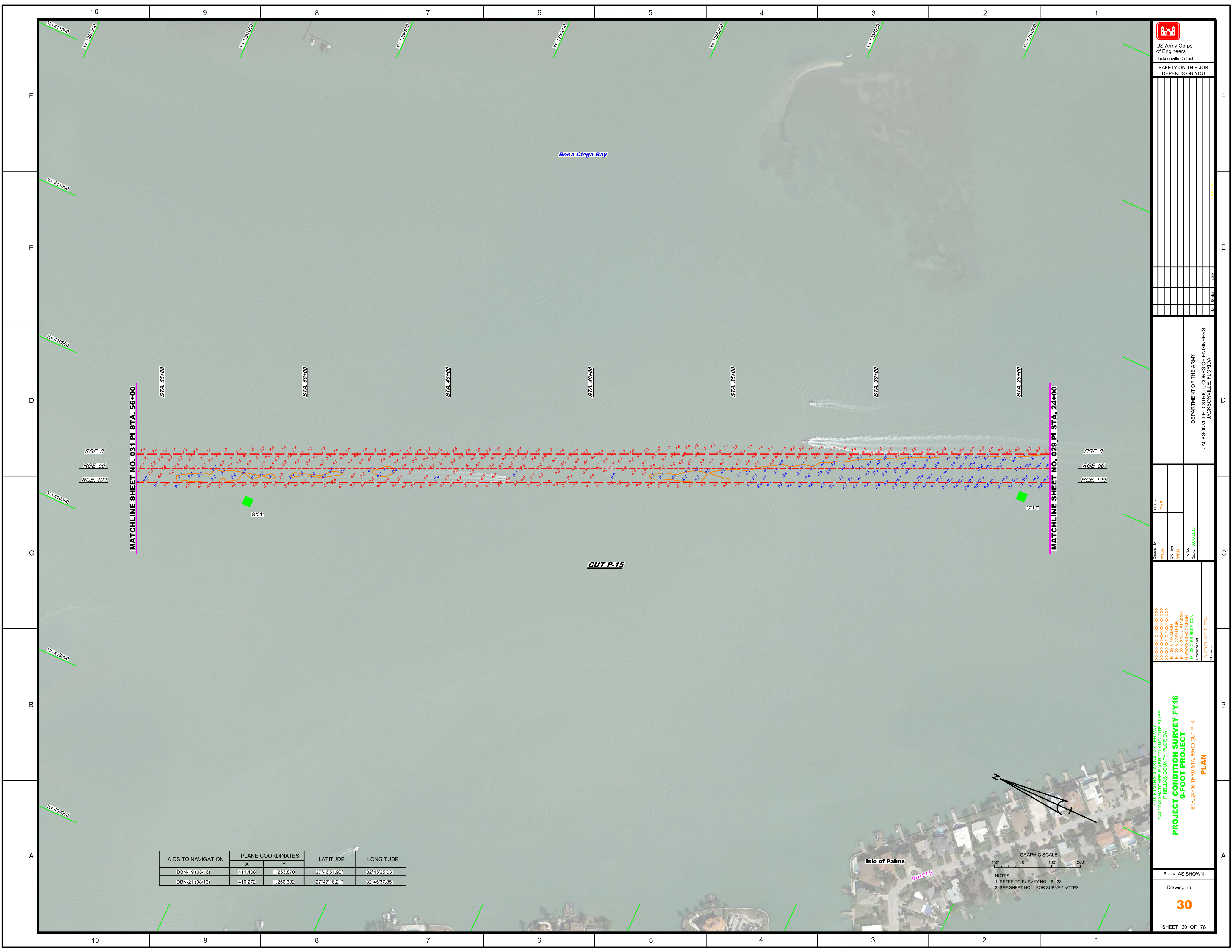
REV	DATE	DESCRIPTION

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

Checked by: GHR  
Designed by: WRM  
Drawn by: WRM  
Plot Date: AUG 2016  
File Name: 16-133A-HAZEL\_FL.DGN

GULF INTERCOASTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
STA. 24+00 CUT P-14 THRU STA. 24+00 CUT P-15  
**PLAN**

Scale: AS SHOWN  
Drawing no.  
**29**  
SHEET 29 OF 78



US Army Corps of Engineers  
 Jacksonville District  
 SAFETY ON THIS JOB  
 DEPENDS ON YOU


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

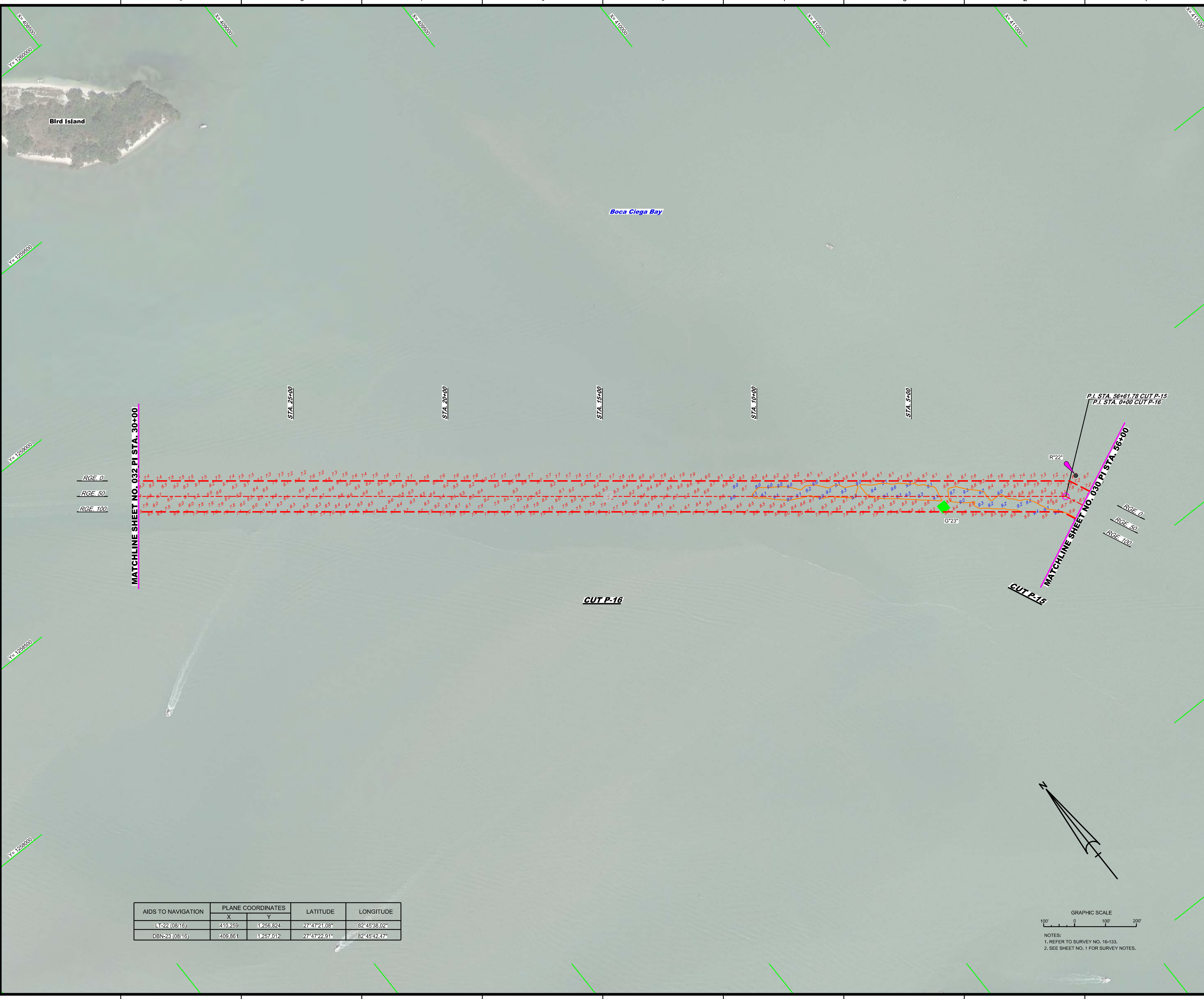
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-19 (08/16)	411,408	1,253,870	27°46'51.90"	82°45'25.03"
DBN-21 (08/16)	410,272	1,256,332	27°47'16.21"	82°45'37.85"

GRAPHIC SCALE  
 100' 0 100' 200'  
 NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

GULF INTRACOASTAL WATERWAY PROJECT  
 CALOOSAHATCHEE RIVER  
 PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 24+00 THRU STA. 56+00 CUT P-15  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**30**  
 SHEET 30 OF 78

Designed by:  
 WRM  
 DWN/PJC  
 WRM  
 WRM  
 File Name: AUG 2016



F  
E  
D  
C  
B  
A

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1



US Army Corps of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

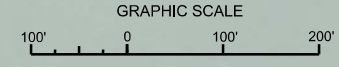
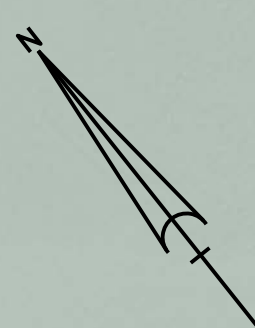

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

Designed by	WRM
Checked by	WRM
Drawn by	WRM
In Use	WRM
Date	AUG 2018

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
R-133A-SOIA\_P15.DGN  
R-133A-COIN.DGN  
R-133A-SOIA\_P16.DGN  
R-133A-COIN.DGN  
R-133A-SOIA\_P15.DGN  
R-133A-COIN.DGN  
R-133A-SOIA\_P16.DGN  
R-133A-COIN.DGN  
R-133A-SOIA\_P15.DGN  
R-133A-COIN.DGN  
R-133A-SOIA\_P16.DGN  
R-133A-COIN.DGN

GULF INTRACOASTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
PLAN  
STA. 56+00 CUT P-15 THRU STA. 30+00 CUT P-16

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-22 (08/16)	410,259	1,256,824	27°47'21.08"	82°45'38.02"
DBN-23 (08/16)	409,861	1,257,012	27°47'22.91"	82°45'42.47"



NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Scale: AS SHOWN

Drawing no.

**31**

SHEET 31 OF 78

**US Army Corps of Engineers**  
Jacksonville District

**SAFETY ON THIS JOB DEPENDS ON YOU**


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



10

9

8

7

6

5

4

3

2

1

F

E

D

C

B

A

F

E

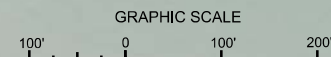
D

C

B

A

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (08/16)	407.653	1,258,751	27°47'40.00"	82°46'07.17"
DBN-2 (08/16)	406.658	1,259,642	27°47'48.76"	82°46'18.31"
DBN-3 (08/16)	405.577	1,260,367	27°47'55.87"	82°46'30.40"



NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Check by: GHR

Designed by: WRM

Drawn by: WRM

File Name: AUG 2016

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
16-133-AW.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN  
16-133-CON.DGN

**GULF INTRACASTAL WATERWAY AT THE RIVER CALOOSAHATCHEE IN PINELLAS COUNTY, FLORIDA**

**PROJECT CONDITION SURVEY FY16 9-FOOT PROJECT**

STA. 30+00 THRU STA. 62+00 CUT P-16

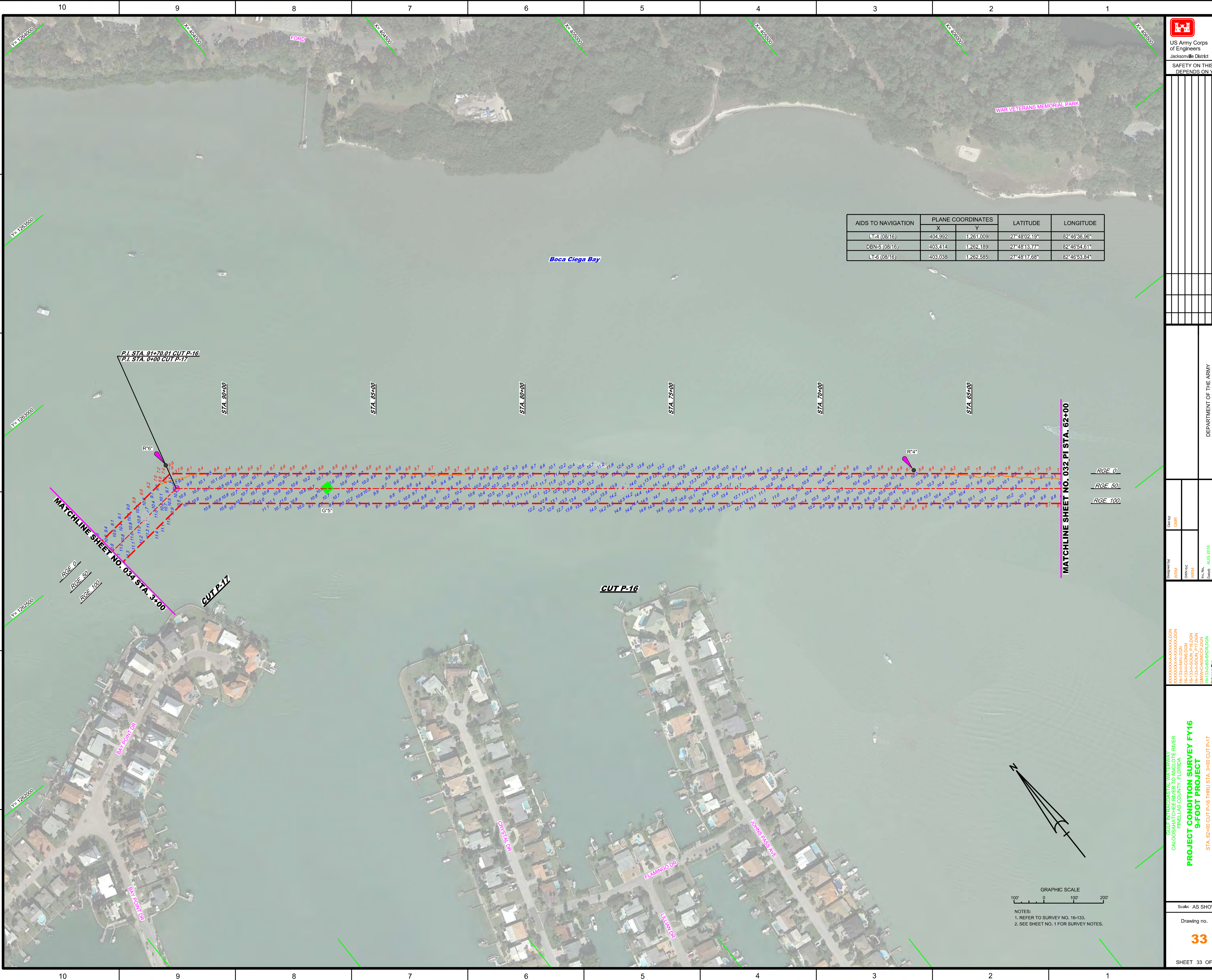
**PLAN**

Scale: AS SHOWN

Drawing no.  
**32**

SHEET 32 OF 78





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-4 (08/16)	404,992	1,261,009	27°48'02.19"	82°46'36.96"
DBN-5 (08/16)	403,414	1,262,189	27°48'13.77"	82°46'54.61"
LT-6 (08/16)	403,038	1,262,585	27°48'17.68"	82°46'53.84"

US Army Corps of Engineers  
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
R:\133A\CON\16.DGN  
R:\133A\CON\16.DGN  
R:\133A\CON\16.DGN  
R:\133A\CON\16.DGN  
R:\133A\CON\16.DGN  
R:\133A\CON\16.DGN

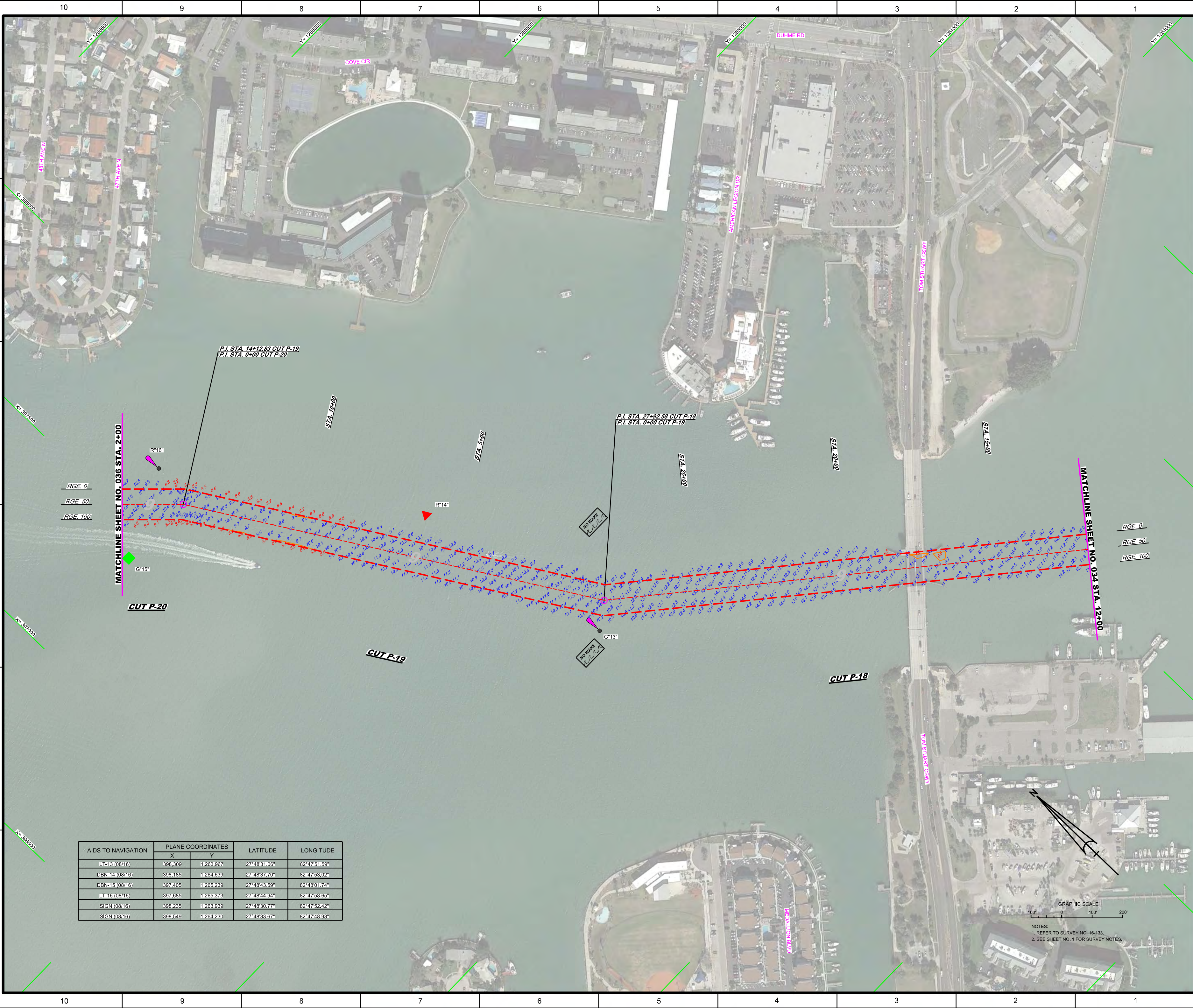
GULF INTRACOSTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT**  
PLAN  
STA. 62+00 CUT P-16 THRU STA. 3+00 CUT P-17


Scale: AS SHOWN  
Drawing no.  
**33**  
SHEET 33 OF 78



NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.







US Army Corps of Engineers  
Jacksonville District

**SAFETY ON THIS JOB DEPENDS ON YOU**

---

DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	Call by: GRL Designed by: WRM Drawn by: WRM Date: AUG 2018 Project: AUG 2018
--	--

---

XXXXXXXXXXXXXXXXXXXX.DGN  
 R-133A-HAN.DGN  
 R-133A-SOUL\_P18.DGN  
 R-133A-SOUL\_P19.DGN  
 R-133A-SOUL\_P20.DGN  
 R-133A-SOUL\_P21.DGN  
 R-133A-SOUL\_P22.DGN  
 R-133A-SOUL\_P23.DGN  
 R-133A-SOUL\_P24.DGN  
 R-133A-SOUL\_P25.DGN  
 R-133A-SOUL\_P26.DGN  
 R-133A-SOUL\_P27.DGN  
 R-133A-SOUL\_P28.DGN  
 R-133A-SOUL\_P29.DGN  
 R-133A-SOUL\_P30.DGN  
 R-133A-SOUL\_P31.DGN  
 R-133A-SOUL\_P32.DGN  
 R-133A-SOUL\_P33.DGN  
 R-133A-SOUL\_P34.DGN  
 R-133A-SOUL\_P35.DGN  
 R-133A-SOUL\_P36.DGN  
 R-133A-SOUL\_P37.DGN  
 R-133A-SOUL\_P38.DGN  
 R-133A-SOUL\_P39.DGN  
 R-133A-SOUL\_P40.DGN  
 R-133A-SOUL\_P41.DGN  
 R-133A-SOUL\_P42.DGN  
 R-133A-SOUL\_P43.DGN  
 R-133A-SOUL\_P44.DGN  
 R-133A-SOUL\_P45.DGN  
 R-133A-SOUL\_P46.DGN  
 R-133A-SOUL\_P47.DGN  
 R-133A-SOUL\_P48.DGN  
 R-133A-SOUL\_P49.DGN  
 R-133A-SOUL\_P50.DGN  
 R-133A-SOUL\_P51.DGN  
 R-133A-SOUL\_P52.DGN  
 R-133A-SOUL\_P53.DGN  
 R-133A-SOUL\_P54.DGN  
 R-133A-SOUL\_P55.DGN  
 R-133A-SOUL\_P56.DGN  
 R-133A-SOUL\_P57.DGN  
 R-133A-SOUL\_P58.DGN  
 R-133A-SOUL\_P59.DGN  
 R-133A-SOUL\_P60.DGN  
 R-133A-SOUL\_P61.DGN  
 R-133A-SOUL\_P62.DGN  
 R-133A-SOUL\_P63.DGN  
 R-133A-SOUL\_P64.DGN  
 R-133A-SOUL\_P65.DGN  
 R-133A-SOUL\_P66.DGN  
 R-133A-SOUL\_P67.DGN  
 R-133A-SOUL\_P68.DGN  
 R-133A-SOUL\_P69.DGN  
 R-133A-SOUL\_P70.DGN  
 R-133A-SOUL\_P71.DGN  
 R-133A-SOUL\_P72.DGN  
 R-133A-SOUL\_P73.DGN  
 R-133A-SOUL\_P74.DGN  
 R-133A-SOUL\_P75.DGN  
 R-133A-SOUL\_P76.DGN  
 R-133A-SOUL\_P77.DGN  
 R-133A-SOUL\_P78.DGN  
 R-133A-SOUL\_P79.DGN  
 R-133A-SOUL\_P80.DGN  
 R-133A-SOUL\_P81.DGN  
 R-133A-SOUL\_P82.DGN  
 R-133A-SOUL\_P83.DGN  
 R-133A-SOUL\_P84.DGN  
 R-133A-SOUL\_P85.DGN  
 R-133A-SOUL\_P86.DGN  
 R-133A-SOUL\_P87.DGN  
 R-133A-SOUL\_P88.DGN  
 R-133A-SOUL\_P89.DGN  
 R-133A-SOUL\_P90.DGN  
 R-133A-SOUL\_P91.DGN  
 R-133A-SOUL\_P92.DGN  
 R-133A-SOUL\_P93.DGN  
 R-133A-SOUL\_P94.DGN  
 R-133A-SOUL\_P95.DGN  
 R-133A-SOUL\_P96.DGN  
 R-133A-SOUL\_P97.DGN  
 R-133A-SOUL\_P98.DGN  
 R-133A-SOUL\_P99.DGN  
 R-133A-SOUL\_P100.DGN

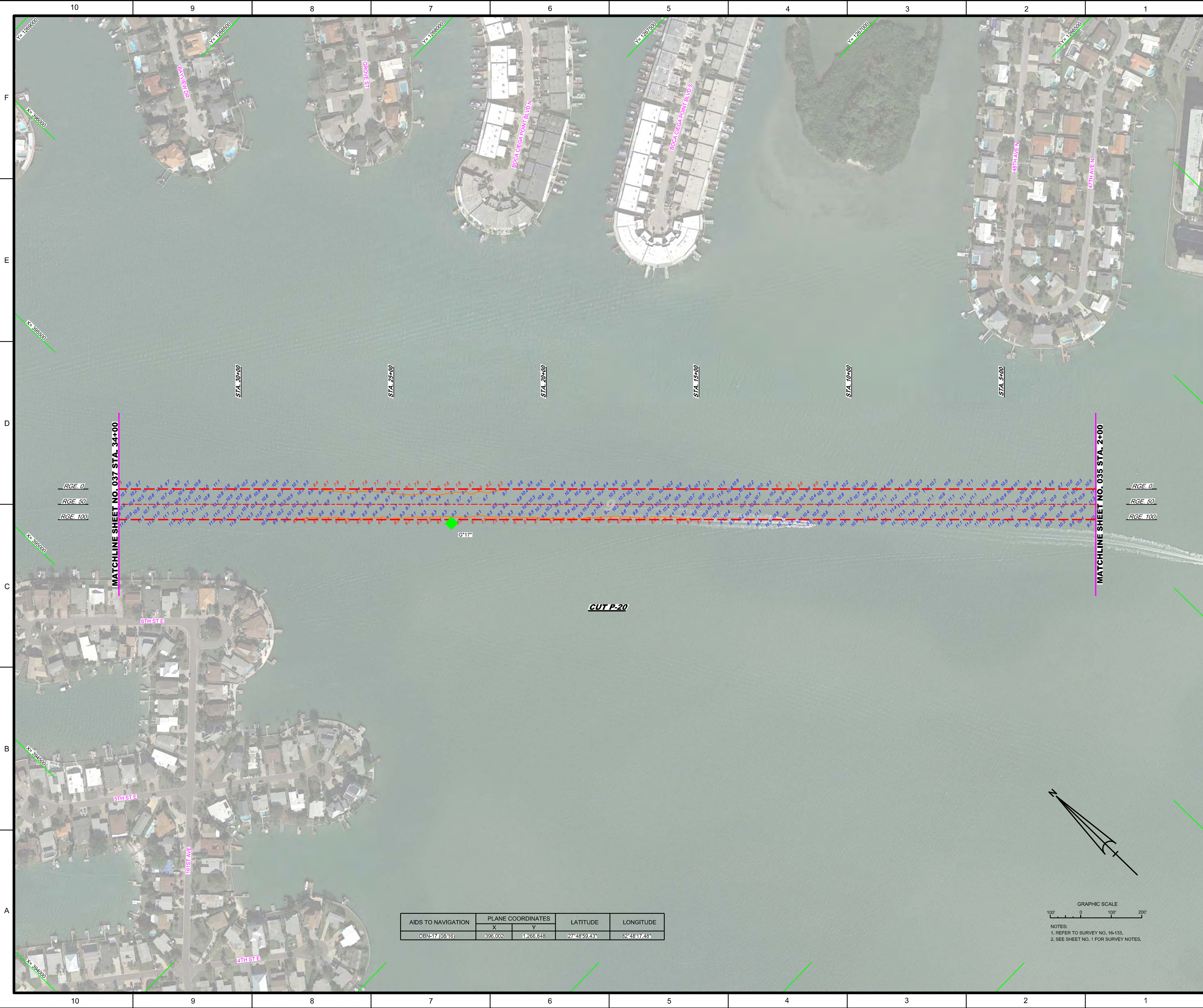
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 12+00 CUT P-18 THRU STA. 2+00 CUT P-20  
**PLAN**

---

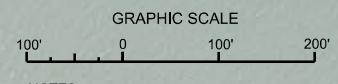
Scale: AS SHOWN  
 Drawing no. **35**  
 SHEET 35 OF 78

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (08/16)	398,309	1,263,967	27°48'31.06"	82°47'51.59"
DBN-14 (08/16)	398,185	1,264,639	27°48'37.70"	82°47'53.02"
DBN-15 (08/16)	397,405	1,265,239	27°48'43.59"	82°48'01.74"
LT-16 (08/16)	397,685	1,265,373	27°48'44.94"	82°47'58.65"
SIGN (08/16)	398,235	1,263,939	27°48'30.77"	82°47'52.42"
SIGN (08/16)	398,549	1,264,230	27°48'33.67"	82°47'48.93"


GRAPHIC SCALE  
 0 100 200  
 NOTES:  
 1. REFER TO SURVEY NO. 164133,  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-17 (08/16)	396.002	1,266.848	27°48'59.43"	82°48'17.48"



NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



US Army Corps  
of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU


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

Check By: GRL Designed By: WRM Drawn By: WRM File No.: AUG 2016 Date: AUG 2016	\XXXXXXXXXXXXXXXXXXXX.DGN \XXXXXXXXXXXXXXXXXXXX.DGN \P-133A\AV.DGN \P-133A\CON.DGN \P-133A\GWT.DGN \P-133A\HOLE.DGN \P-133A\HOLE_FL.DGN
--	---

**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 2+00 THRU STA. 34+00 CUT P-20  
**PLAN**

Scale: AS SHOWN

Drawing no.  
36

SHEET 36 OF 78

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-18 (08/16)	394.481	1268.568	27°49'16.36"	82°48'34.55"
DBN-19 (08/16)	394.375	1268.494	27°49'15.62"	82°48'35.73"
DBN-19A (08/16)	393.413	1269.484	27°49'25.36"	82°48'46.51"
DBN-20 (08/16)	393.480	1269.620	27°49'26.72"	82°48'45.78"



US Army Corps of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

REV.	DATE	DESCRIPTION

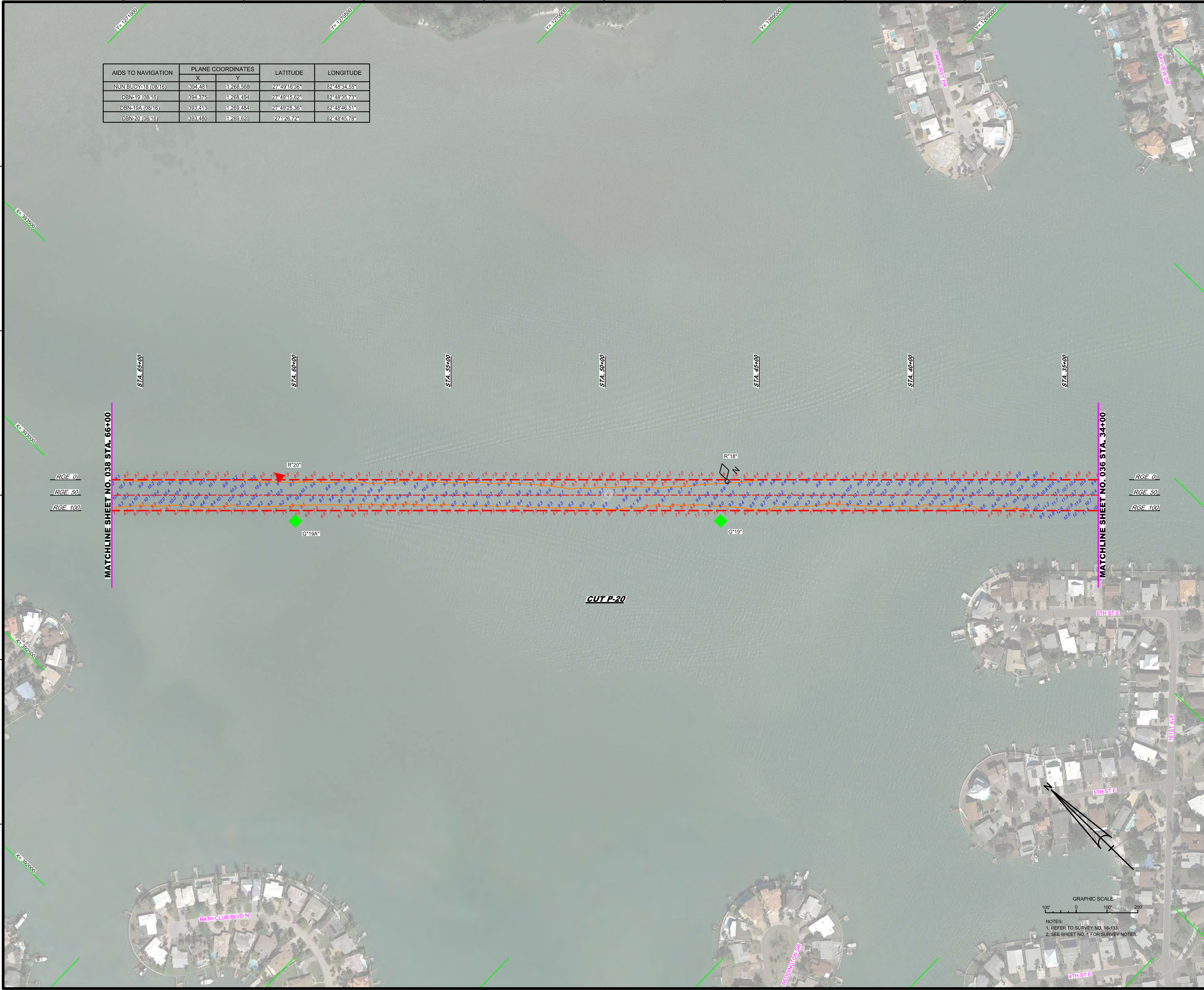
DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

Check By: GHR  
Designed By: WRM  
Drawn By: WRM  
File No.: AUG 2018  
Date: AUG 2018

XXXXXXXXXXXXXXXXXXXX.DGN  
XXXXXXXXXXXXXXXXXXXX.DGN  
R:\133A\AV\DON  
R:\133A\AV\CON\DON  
R:\133A\AV\CG\DON  
R:\133A\AV\BR\DON  
R:\133A\AV\B\7\DON

GULF INTERCOASTAL WATERWAY  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
STA. 34+00 THRU STA. 66+00 CUT P-20  
**PLAN**

Scale: AS SHOWN  
Drawing no.  
**37**  
SHEET 37 OF 78



MATCHLINE SHEET NO. 038 STA. 66+00

MATCHLINE SHEET NO. 036 STA. 34+00

RGE 0  
RGE 50  
RGE 100

RGE 0  
RGE 50  
RGE 100

CUT P-20

GRAPHIC SCALE  
100' 0 100' 200'

NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

BATH CLUB BLVD N

REDINGTON DR

4TH STE

5TH STE

6TH STE

OKAWVILLE DR

50th AVENUE

STA. 65+00

STA. 60+00

STA. 55+00

STA. 50+00

STA. 45+00

STA. 40+00

STA. 35+00

Y=1271000

Y=1270500

Y=1270000

Y=1269500

Y=1269000

X=393000

X=390000

X=392500

X=392000

R\*18°

R\*20°

G\*19A°

G\*19°

F

E

D

C

B

A

F

M

D

C

B

A

10

9

8

7

6

5

4

3

2

1

10

9

8

7

6

5

4


3

2

1



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (08/16)	389.178	11272.921	27°49'59.12"	82°49'33.94"
DBN-2 (08/16)	389.096	11273.146	27°49'50.133"	82°49'34.87"
DBN-3 (08/16)	388.758	11273.047	27°50'00.34"	82°49'38.63"
DBN-26 (08/16)	389.921	11272.792	27°49'57.89"	82°49'25.65"
DBN-27 (08/16)	389.883	11272.624	27°49'56.22"	82°49'26.29"

  
 US Army Corps  
 of Engineers  
 Jacksonville District  
 SAFETY ON THIS JOB  
 DEPENDS ON YOU

---

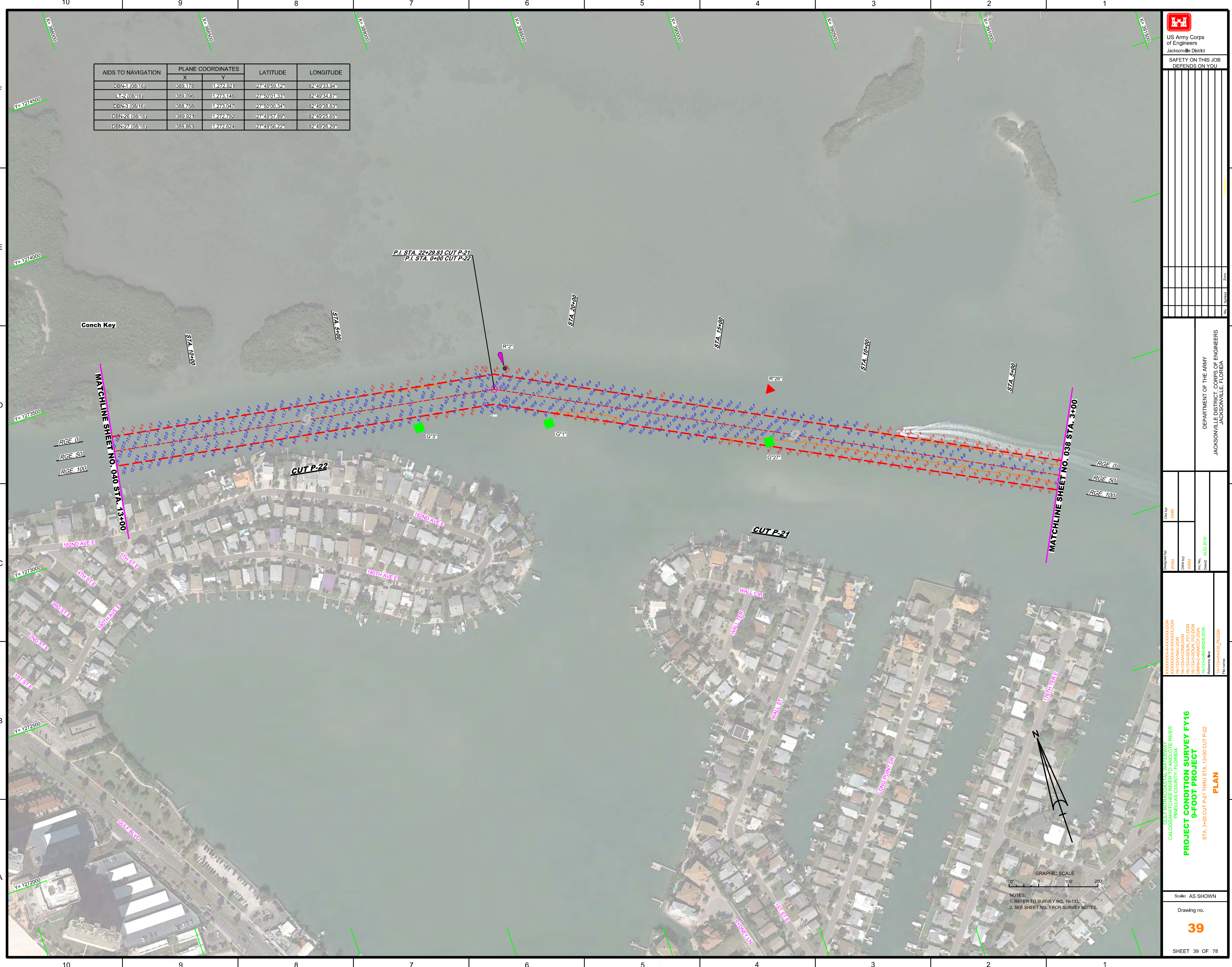
DEPARTMENT OF THE ARMY  
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
 JACKSONVILLE, FLORIDA

---

**PROJECT CONDITION SURVEY FY16**  
**9-FOOT PROJECT**  
 STA. 3+00 CUT P-21 THRU STA. 13+00 CUT P-22  
**PLAN**

---

Scale: AS SHOWN  
 Drawing no.  
**39**  
 SHEET 39 OF 78



GRAPHIC SCALE  
 100' 0 100' 200'  
 NOTES:  
 1. REFER TO SURVEY NO. 16-133.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



US Army Corps  
of Engineers  
Jacksonville District

SAFETY ON THIS JOB  
DEPENDS ON YOU

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

Checked By: GHR  
Designed By: WRM, WRM, WRM  
Date: AUG 2016

XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX

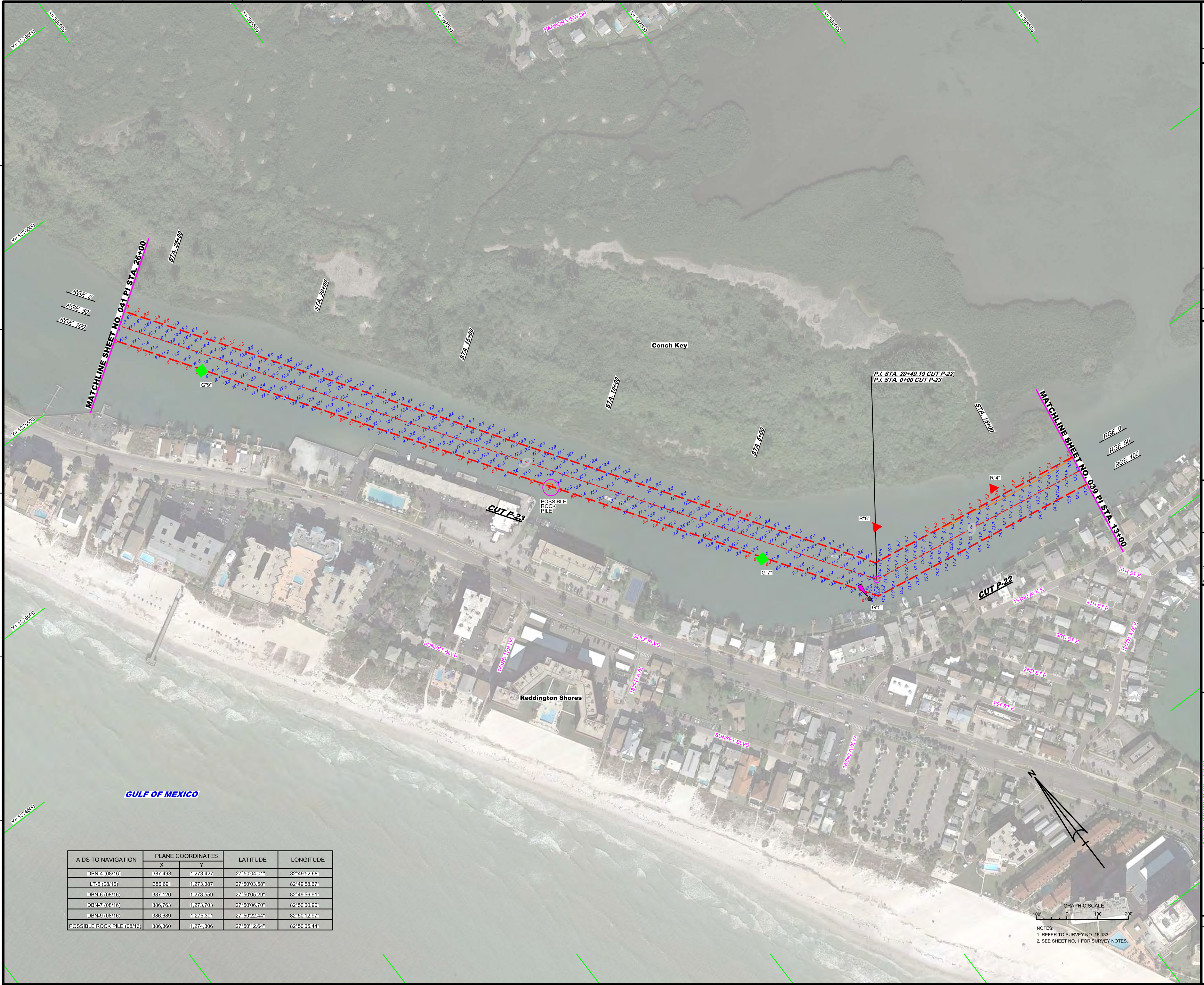
GULF INTRACOASTAL WATERWAY TO THE RIVER  
CALOOSAHATCHEE RIVER  
PINELLAS COUNTY, FLORIDA  
**PROJECT CONDITION SURVEY FY16  
9-FOOT PROJECT  
PLAN**  
STA. 13+00 CUT P-22 THRU STA. 26+00 CUT P-23

Scale: AS SHOWN

Drawing no.

40

SHEET 40 OF 78



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4 (08/16)	387.498	1,273.427	27°50'04.01"	82°49'52.68"
LT-5 (08/16)	386.691	1,273.387	27°50'03.58"	82°49'58.67"
DBN-6 (08/16)	387.120	1,273.559	27°50'05.29"	82°49'56.91"
DBN-7 (08/16)	386.763	1,273.703	27°50'06.70"	82°50'00.90"
DBN-9 (08/16)	386.689	1,275.301	27°50'22.44"	82°50'12.97"
POSSIBLE ROCK PILE (08/16)	386.360	1,274.306	27°50'12.64"	82°50'05.44"

GRAPHIC SCALE  
100' 0 100' 200'  
NOTES:  
1. REFER TO SURVEY NO. 16-133.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.