

GIWW - SKYWAY CUTS SC-1 THRU SC-3 HILLSBOROUGH / PINELLAS COUNTY, FL HYDROGRAPHIC EXAM SURVEY FY20 9-FOOT PROJECT

SURVEY NOTES

- REFER TO SURVEY NO. 20-113.
 - 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 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 LOCATION:
REFERENCE BASE LOCATED AT "R POWERS" (OPUS PID: BBDR33)
TIDE MEASURE DOWN POINT LOCATED AT "872 6364 B" (NGS PID: AG9426)
 - 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 GAUGE SITES SPECIFIED BELOW:


NOAA TIDAL STATION 872-6364, MULLET KEY, TAMPA BAY, FL USED FOR ALL CUTS.

VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835C SMART SOUNDER SINGLE-BEAM SYSTEM OPERATING AT 28200 KHZ AND A R2SONIC 2024 MULTI-BEAM SYSTEM OPERATING AT 300 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- | VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|------------|
| SB-52 | 31 MAR 2020 | SC-3 |
| SB-52 | 01 APR 2020 | SC-1, SC-2 |
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
 - 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.
 - 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 DAY BEACON
	RED DAY BEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

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Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU

	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA
	Drawn by: GHR Checked: APR 2020
	GULF INTRACOSTAL WATERWAY TO THE RIVER CALOOSAHATCHEE RIVER PINELLAS COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY20 9-FOOT PROJECT INDEX, LOCATION AND VICINITY MAP
	Scale: AS SHOWN Drawing no. 1
SHEET 01 OF 11	

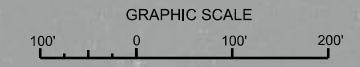
 US Army Corps of Engineers Jacksonville District																																											
SAFETY ON THIS JOB DEPENDS ON YOU																																											
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DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA																																											
<table border="1"> <tr><td>Checked by:</td><td>GHR</td></tr> <tr><td>Designed by:</td><td>WRM</td></tr> <tr><td>DWV by:</td><td>WRM</td></tr> <tr><td>File Name:</td><td>20-113-5-6S-9-Footer_SCDGN</td></tr> <tr><td>Plot Date:</td><td>APR 2020</td></tr> </table>	Checked by:	GHR	Designed by:	WRM	DWV by:	WRM	File Name:	20-113-5-6S-9-Footer_SCDGN	Plot Date:	APR 2020	Reference File: 20-113-5-6S-9-Footer_SCDGN <small>File name:</small>																																
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GULF INTRACOSTAL WATERWAY CALOOSAHATCHEE RIVER PINELLAS COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY20 9-FOOT PROJECT STA. 16+00 THRU STA. 48+00 CUT SC-1 PLAN																																											
Scale: AS SHOWN	Drawing no. 3																																										
SHEET 03 OF 11																																											

RGE. 0
 RGE. 50
 RGE. 100

MATCHLINE SHEET NO. 004 SC STA. 48+00

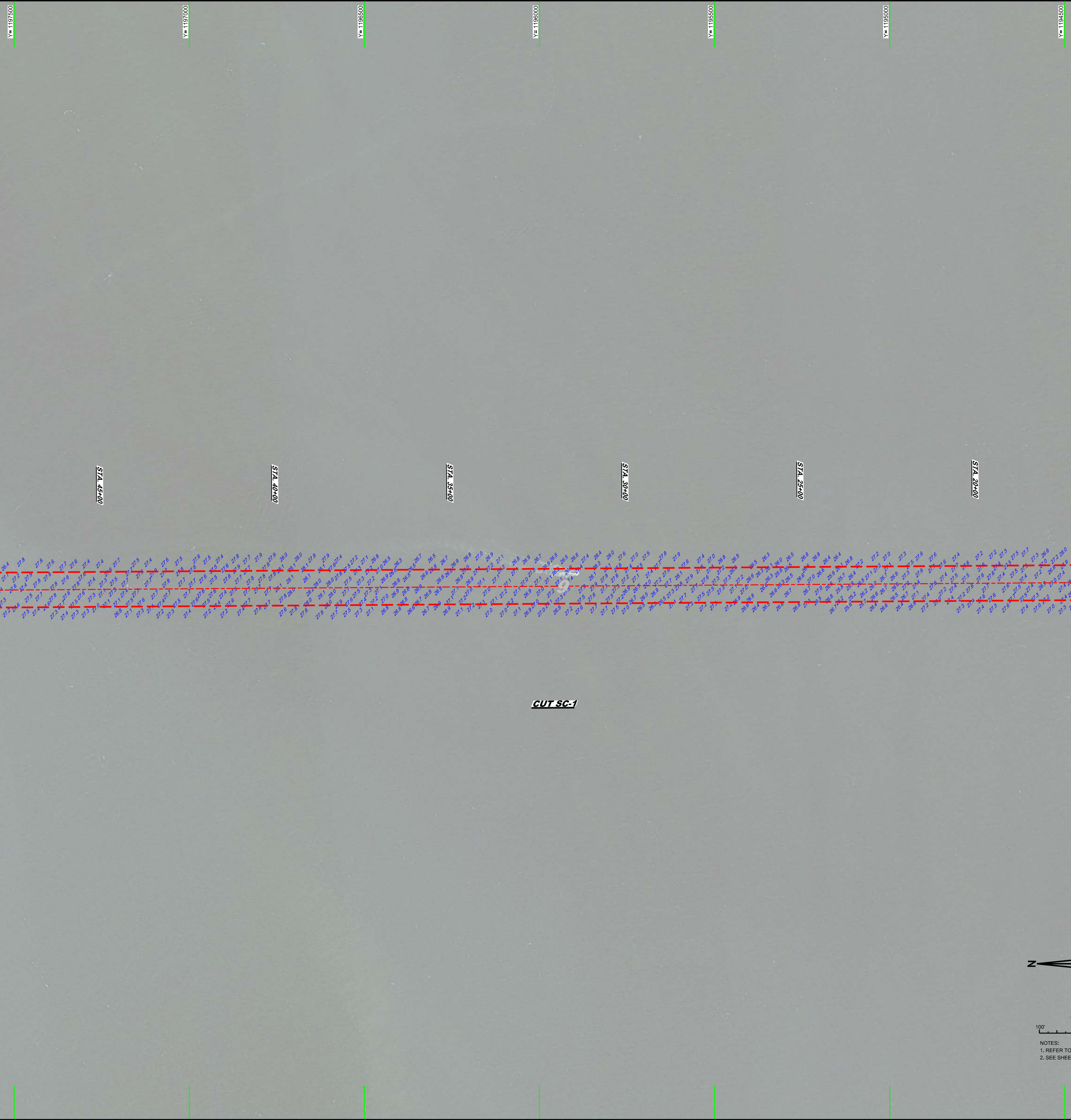
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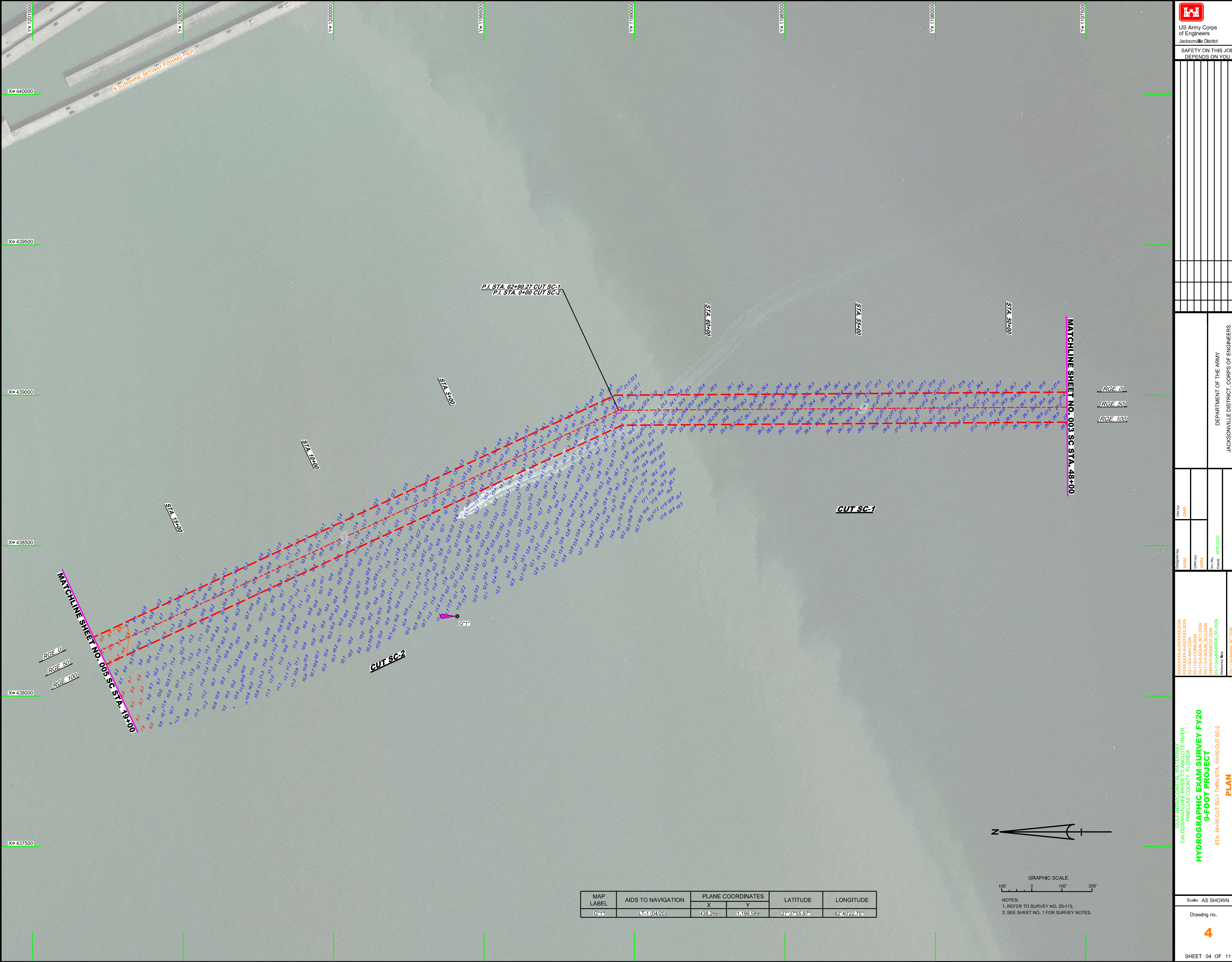
CUT SC-1



NOTES:
 1. REFER TO SURVEY NO. 20-113.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

X= 440500
 X= 440000
 X= 439500
 X= 439000
 X= 438500
 X= 438000
 X= 437500





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Rev.	Description	Date

DEPARTMENT OF THE ARMY
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JACKSONVILLE, FLORIDA

Checked by: GHR
Designed by: WRM
Drawn by: WRM
File Name: 20-1135-BS-9-FOOT_9-FOOT_PROJECT_Plan.dwg
Date: APR 2020

GULF INTRACOSTAL WATERWAY AT THE RIVER
CALOOSAHATCHEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
PLAN
STA. 48+00 CUT SC-1 THRU STA. 19+00 CUT SC-2

Scale: AS SHOWN

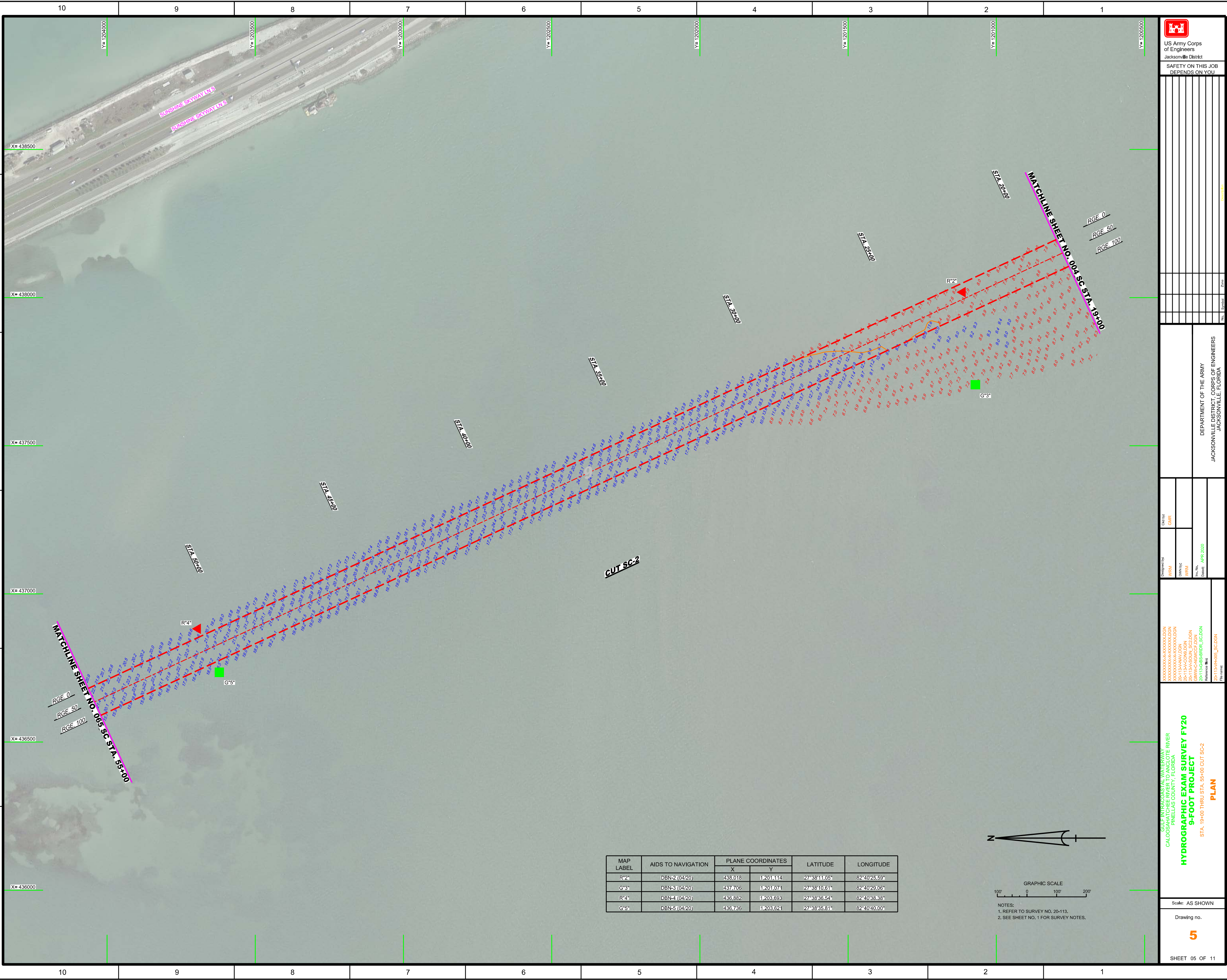
Drawing No. **4**

SHEET 04 OF 11

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*1*	LT-1 (04/20)	438,266	1,199,589	27°37'55.97"	82°40'22.75"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-113.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



Y= 1204000

Y= 1203500

Y= 1203000

Y= 1202500

Y= 1202000

Y= 1201500

Y= 1201000

Y= 1200500

SUNSHINE SKYWAY LWS
 SUNSHINE SKYWAY LWS

X= 438500

X= 438000

X= 437500

X= 437000

X= 436500

X= 436000

MATCHLINE SHEET NO. 005 SC STA. 55+00

RGE 0
 RGE 50
 RGE 100

MATCHLINE SHEET NO. 004 SC STA. 19+00

STA 55+00

STA 50+00

STA 45+00

STA 40+00

STA 35+00

STA 30+00

STA 25+00

STA 20+00

STA 15+00

STA 10+00

CUT SC-2

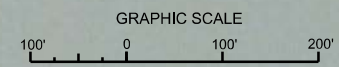
R24

R22

G5*

G3*

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R22	DBN-2 (04/20)	438.018	1201.114	27°38'11.05"	82°40'25.59"
G3*	DBN-3 (04/20)	437.706	1201.074	27°38'10.61"	82°40'23.05"
R4*	DBN-4 (04/20)	438.882	1203.693	27°38'36.54"	82°40'38.38"
G5*	DBN-5 (04/20)	438.786	1203.621	27°38'35.81"	82°40'40.00"



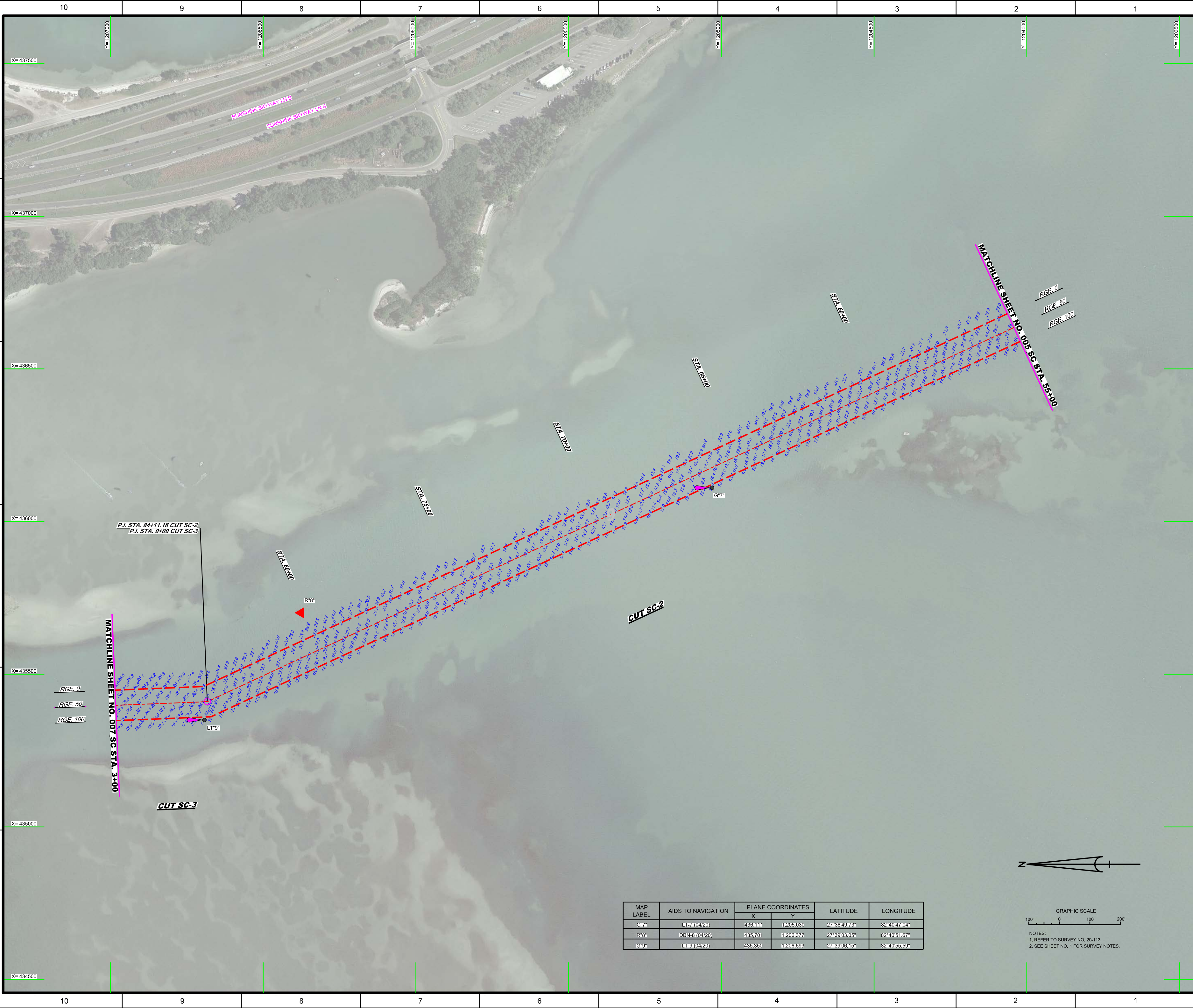
NOTES:
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 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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Designed by: WRM
 Drawn by: WRM
 Check by: GHR
 Date: APR 2020
 File name: 20-113-HR01E_SCD.DGN

GULF INTRACOASTAL WATERWAY TO THE RIVER
 CALOOSAHATCHEE RIVER
 PINELLAS COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
 STA. 19+00 THRU STA. 55+00 CUT SC-2
PLAN



P.I. STA. 84+11.18 CUT SC-2
 P.I. STA. 0+00 CUT SC-3

MATCHLINE SHEET NO. 007 SC STA. 3+00

MATCHLINE SHEET NO. 005 SC STA. 55+00

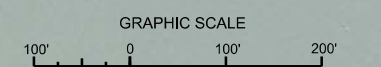
CUT SC-3

CUT SC-2


RGE. 0
 RGE. 50
 RGE. 100

RGE. 0
 RGE. 50
 RGE. 100

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G7	LT (04/20)	438111	1205030	27°38'49.73"	82°40'47.04"
R6	DBN-B (04/20)	435701	1206377	27°39'03.05"	82°40'51.87"
G9	LT (04/20)	435850	1206893	27°39'06.15"	82°40'55.59"



NOTES:
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Checked By:	GHR
Designed By:	WRM
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File No.:	20-113-SB-SRIR-R_SCDGN
Date:	APR 2020

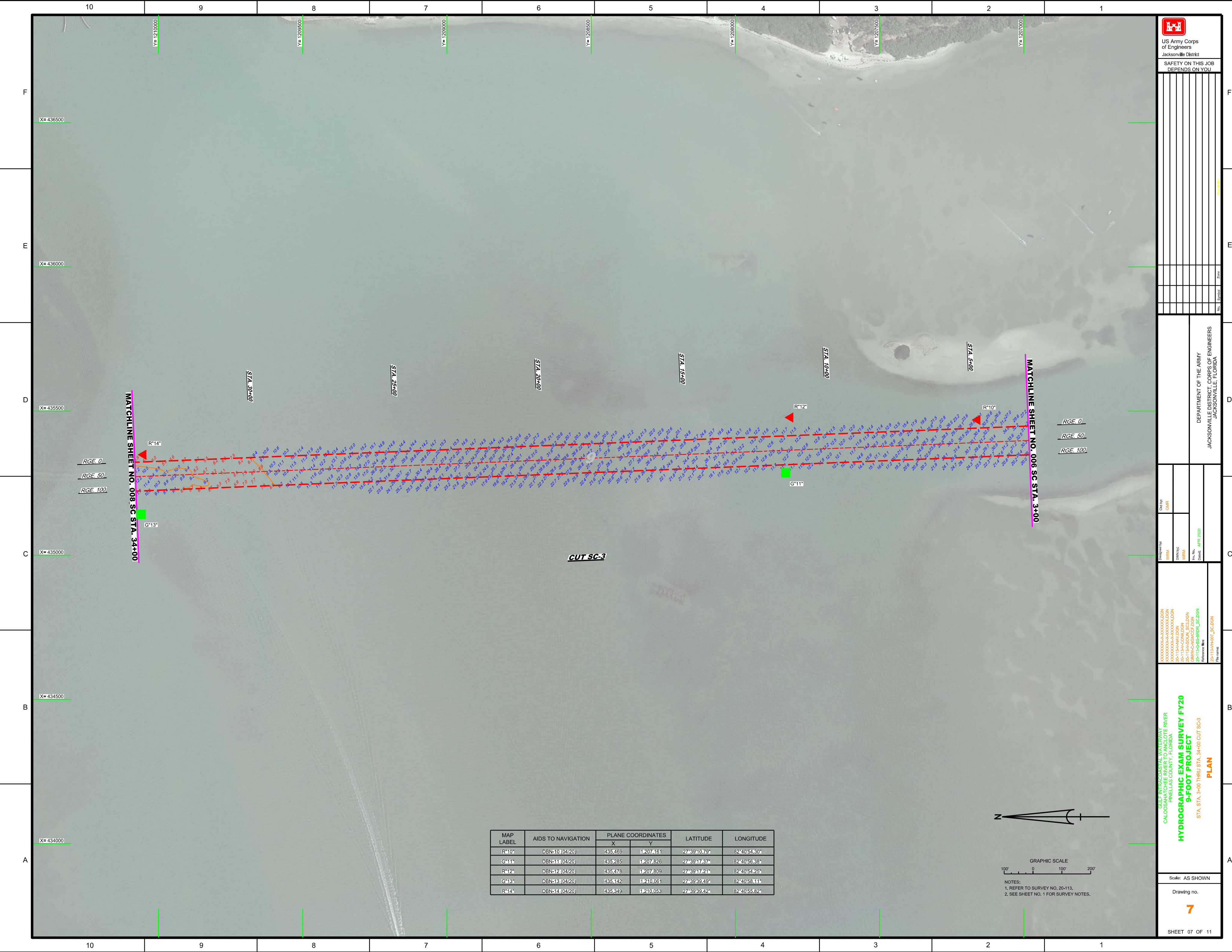
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HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
 STA. 55+00 CUT SC-2 THRU STA. 3+00 CUT SC-3
PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 11

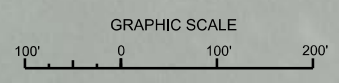


MATCHLINE SHEET NO. 008 SC STA. 34+00

MATCHLINE SHEET NO. 006 SC STA. 3+00

CUT SC-3

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R*10*	DBN=10(04/20)	435,469	1,207,161	27°39'10.79"	82°40'54.30"
G*11*	DBN=11(04/20)	435,285	1,207,826	27°39'47.37"	82°40'55.38"
R*12*	DBN=12(04/20)	435,476	1,207,809	27°39'47.24"	82°40'54.25"
G*13*	DBN=13(04/20)	435,142	1,210,061	27°39'39.49"	82°40'58.11"
R*14*	DBN=14(04/20)	435,349	1,210,053	27°39'39.42"	82°40'55.82"



NOTES:
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REV	DATE	DESCRIPTION

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

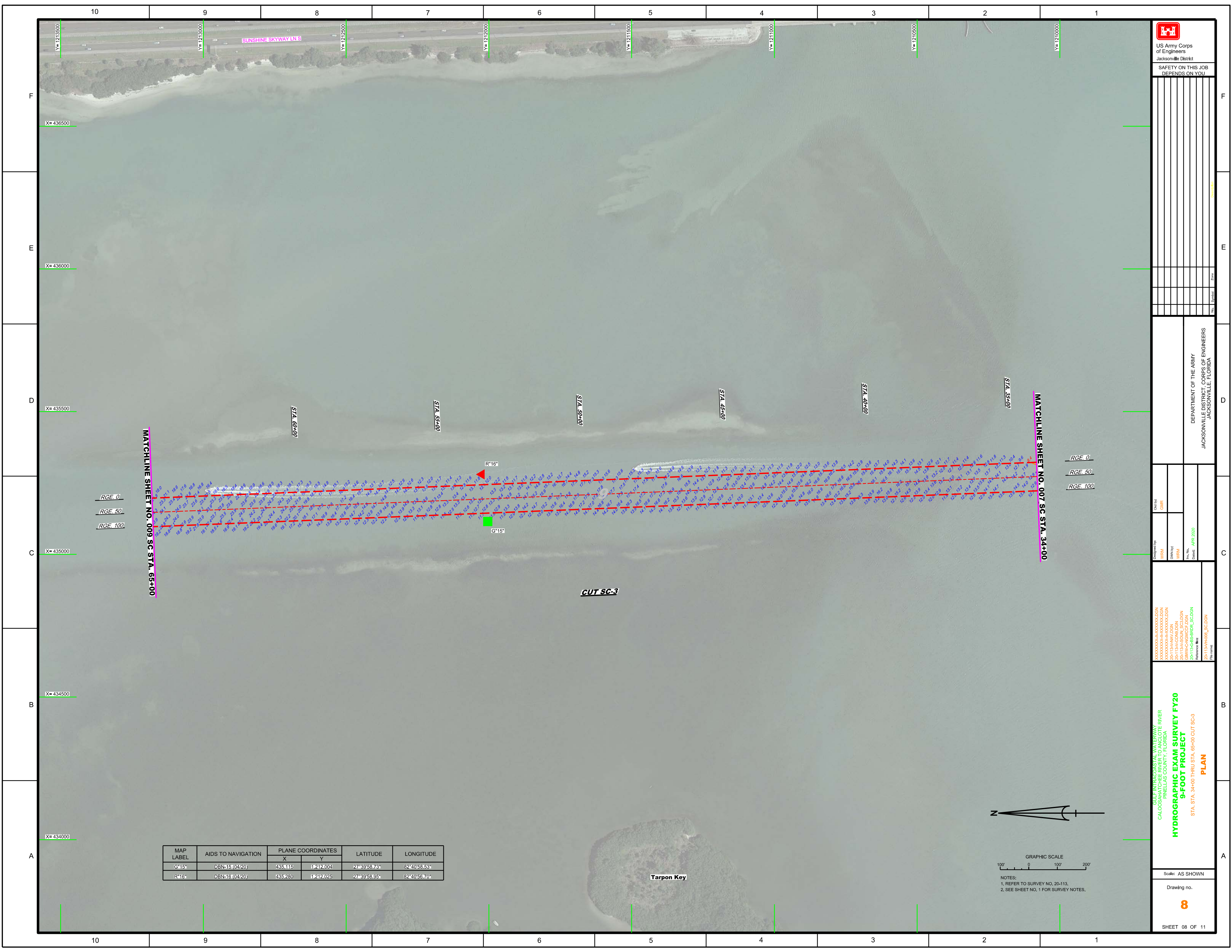
GULF INTRACASTAL WATERWAY
CALOOSAHATCHEE RIVER
PINELLAS COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
STA. STA. 3+00 THRU STA. 34+00 CUT SC-3
PLAN

Drawn by: GHR
Checked by: GHR
Designed by: WRM
Drawn by: WRM
File Name: 20-113-SC-BS-BR06_SCD.DGN
Reference File: 20-113-PA007_SCD.DGN
Date: APR 2020

Scale: AS SHOWN

Drawing no. **7**

SHEET 07 OF 11



MATCHLINE SHEET NO. 009 SC STA. 65+00

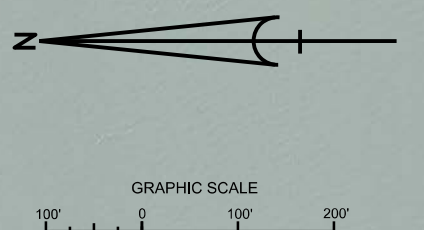
MATCHLINE SHEET NO. 007 SC STA. 34+00

CUT SC-3

RGE. 0
RGE. 50
RGE. 100

RGE. 0
RGE. 50
RGE. 100

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*15	DBN-15 (04/20)	435415	1212004	27°39'58.76"	82°40'58.53"
R*16	DBN-16 (04/20)	435280	1212025	27°39'58.95"	82°40'56.70"



NOTES:
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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Check by: GHR
Designed by: WRM
Drawn by: WRM
In. No. 20-113-SC-007
Date: APR 2020

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20-113-SC-007.DGN
20-113-SC-007.DGN
Reference files:
20-113-SC-007.DGN

GULF INTRACOSTAL WATERWAY
CALOOSAHATCHEE RIVER
PINELLAS COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. STA. 34+00 THRU STA. 65+00 CUT SC-3

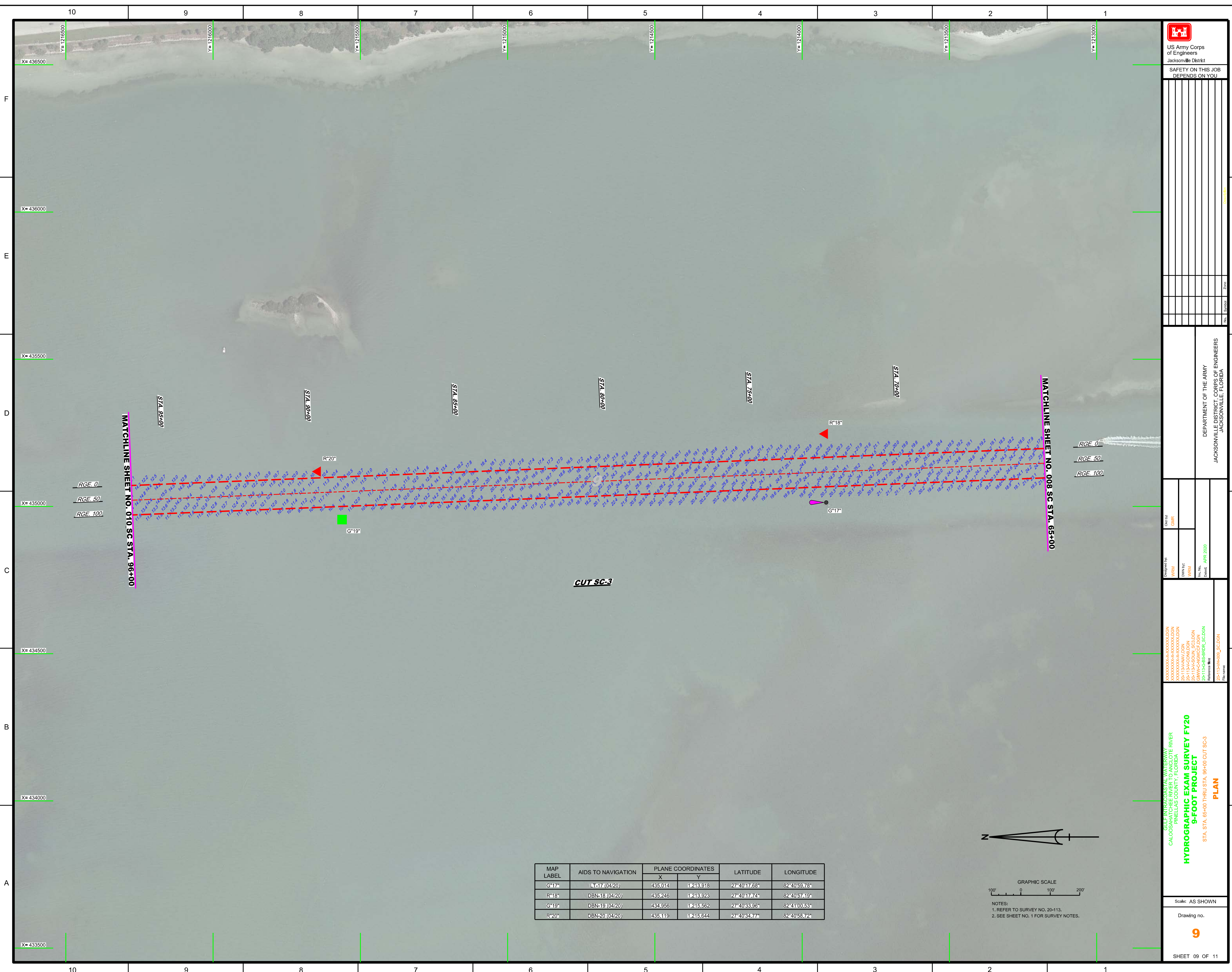
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 11

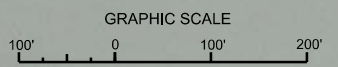


MATCHLINE SHEET NO. 010 SC STA. 96+00

MATCHLINE SHEET NO. 008 SC STA. 65+00

CUT SC-3

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*17	LT=17 (04/20)	435014	1213918	27°40'17.68"	82°40'59.78"
R*18	DBN=18 (04/20)	435246	1213923	27°40'17.74"	82°40'57.19"
G*19	DBN=19 (04/20)	434956	1215562	27°40'33.96"	82°41'00.53"
R*20	DBN=20 (04/20)	435119	1215644	27°40'34.77"	82°40'58.72"



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CALOOSAHATCHEE RIVER
PINELLAS COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
STA. STA. 65+00 THRU STA. 96+00 CUT SC-3
PLAN

Drawn by: GHR
 Designed by: WRM
 DWG No: WRM
 File Name: 20-113-SC-BS-RRR6_SCDGN
 Date: APR 2020
 Reference files: 20-113-RRR6_SCDGN

Dept. of the Army
Jacksonville District, Corps of Engineers
Jacksonville, Florida

Scale: AS SHOWN
 Drawing no. **9**

SHEET 09 OF 11

