

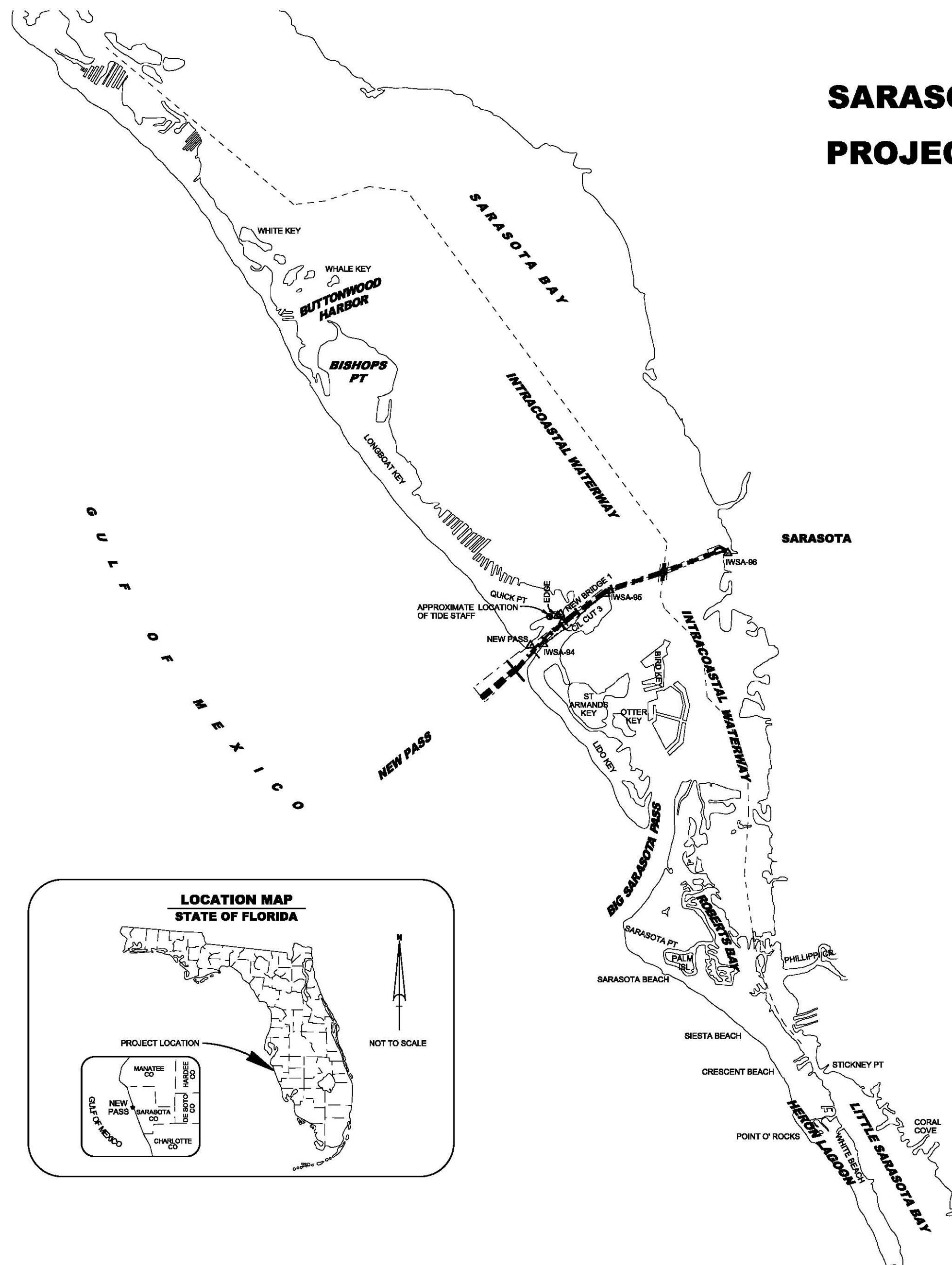


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Jacksonville District  
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## NEW PASS

# SARASOTA COUNTY, FLORIDA PROJECT CONDITION SURVEY

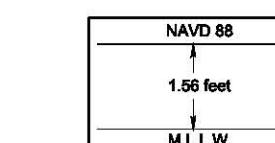
FY10



MAP SHEET NOTES:

- REFER TO SURVEY 09-175.
  - ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MLLW OF THE 1983-2001 TIDAL EPOCH.
  - TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO MLLW (NAVDB8 / MLLW SEPARATION = 1.56').
  - 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 (NAD 83).
  - THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:
  - \*REFERENCE BASE LOCATED AT "IWSA 96"
  - NORTHING: 1095105.341'  
EASTING: 477768.939'  
NAVDB8 ELEVATION: 3.38'
  - \*TIDE STAFF LOCATED FROM NGS TIDAL BENCHMARK #872 8083 B TIDAL  
NAVDB8 ELEVATION: 2.07'
  - VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMARTSUONER DUAL FREQUENCY 28/200 KHZ SINGLE BEAM TRANSDUCER.
- | SURVEY VESSEL | DATE OF SURVEY | CUT                     |
|---------------|----------------|-------------------------|
| WB-34         | 13 JAN 2010    | CUTS 1, 2, & 6          |
| WB-34         | 14 JAN 2010    | CUTS 3, 4, 5, 7, & T.B. |
- 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 SURVEY.
  - SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

CHANNEL TABULATION				
X	Y	STATION	RANGE	CUT
461.098.31	1.095.701.08	0100	50	1
464.157.84	1.097.500.30	0100	50	2
465.245.40	1.098.817.15	0100	50	3
466.437.99	1.099.015.40	0100	50	4
468.006.67	1.091.250.92	0100	50	5
469.888.25	1.092.845.53	0100	50	6
473.823.22	1.093.870.10	0100	50	7
476.916.77	1.095.117.72	0100	100	T.B.



Relationship between NAVD 88  
and NOAA Mean Lower Low Water  
Tidal Datum (1983-2001 epoch)

ABBREVIATIONS:	
PI	POINT OF INTERSECTION
STA	STATION
RGE	RANGE
ELEV	ELEVATION
AZ	AZIMUTH
TB	TURNING BASIN
C/L	CENTERLINE
COE	CORPS OF ENGINEERS

BENCHMARK	NAVD 88
6083 B	2.07

LEGEND	
BM	BENCHMARK
L	LIGHTED BEACON
G	GREEN DAYBEACON
R	RED DAYBEACON
LB	RED LIGHTED BUOY
GB	GREEN LIGHTED BUOY
C	CAN BUOY
Pn	NUN BUOY
T	TIDE STAFF

NEW PASS, FLORIDA  
PROJECT CONDITION SURVEY  
8 & 10 FOOT PROJECT  
COVER SHEET  
PLAN

Scale: AS SHOWN

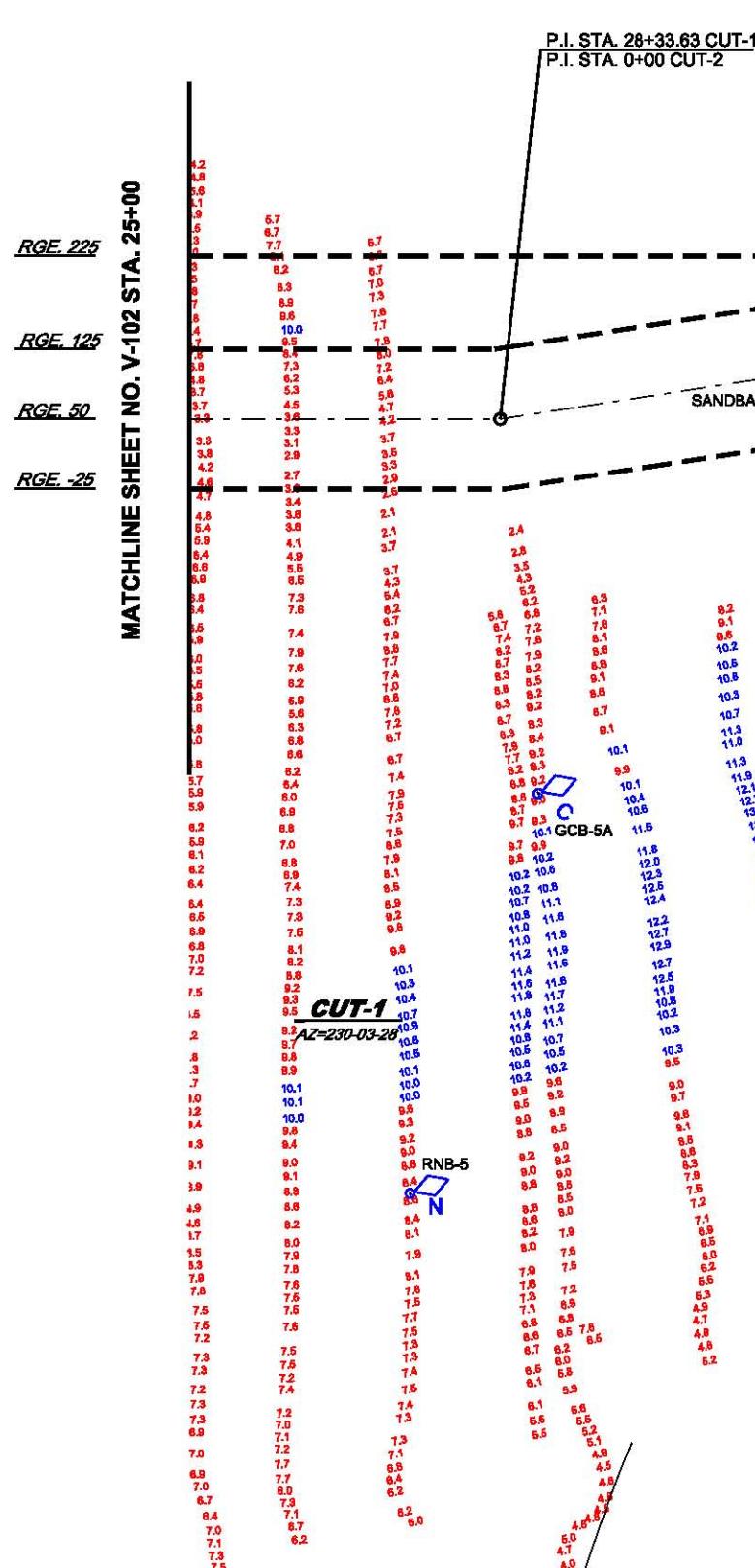
Drawing no.

V-101





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AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-7 (01/10)	468,201	1,088,871	27°19'40.97"	81°35'17.44"
GCB-5A (01/10)	464,446	1,087,298	27°19'25.36"	81°35'25.73"
RNB-5 (01/10)	464,616	1,086,881	27°19'21.24"	81°35'23.82"

NOTES:  
1. REFER TO SURVEY NO. 09-175.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.

**GRAPHIC SCALE**

100' 0 100' 200'

**NEW PASS,  
SARASOTA, FLORIDA**  
**PROJECT CONDITION SURVEY**  
**8 & 10 FOOT PROJECT**  
**STA. 25+00 CUT-1 THRU STA. 10+00 CUT-3**  
**PLAN**

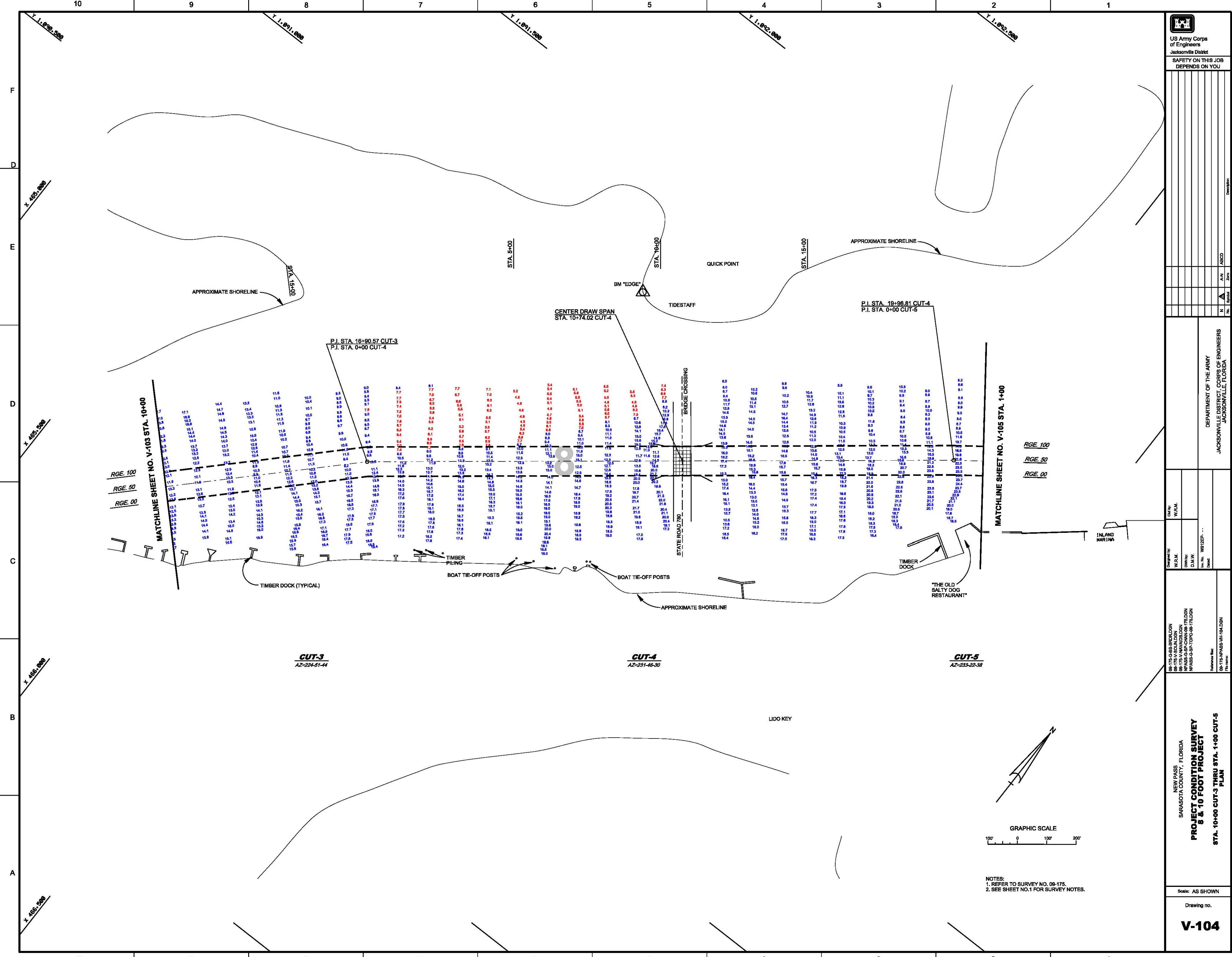
Scale: AS SHOWN  
Drawing no.  
**V-103**

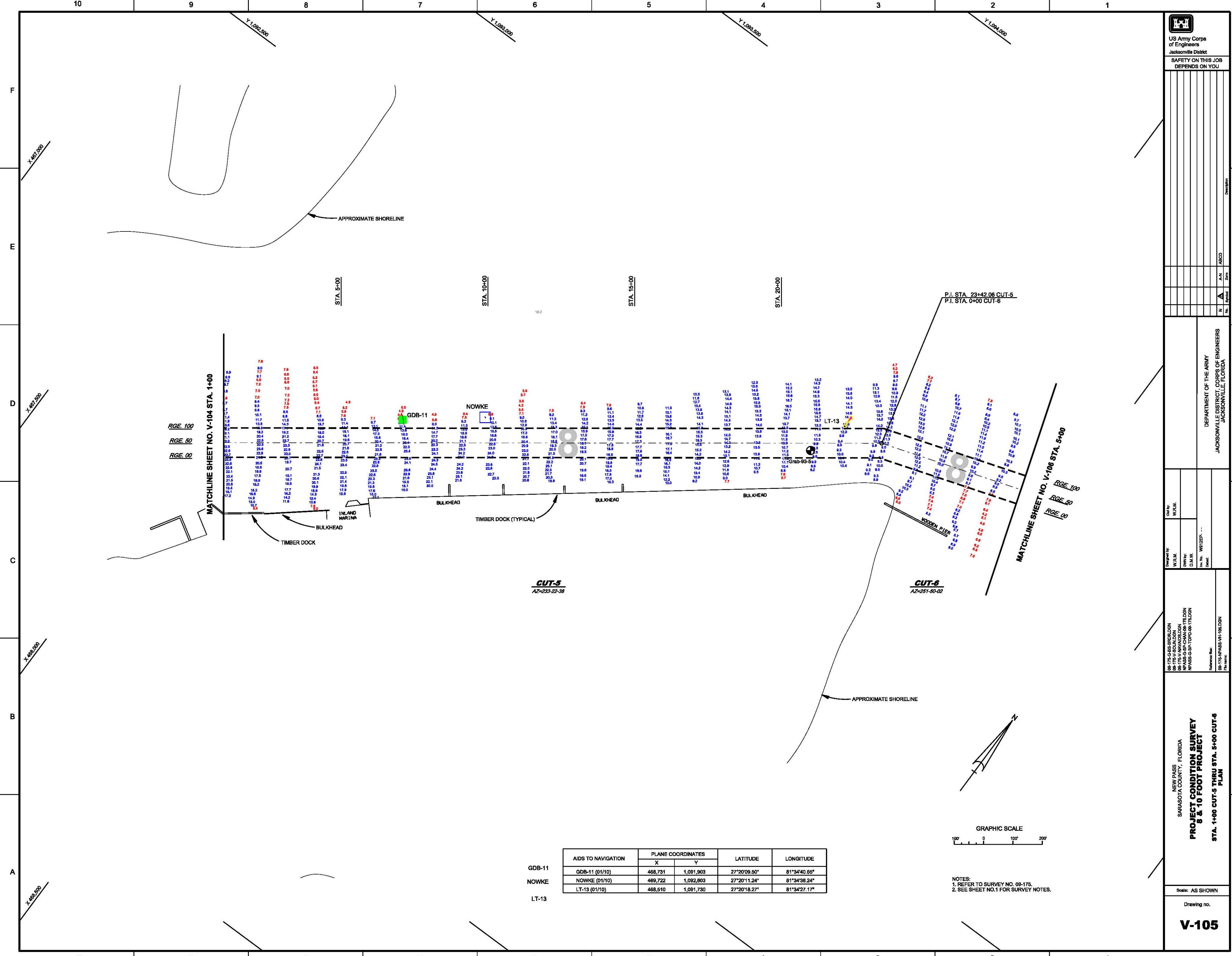
Revision

**MATCHLINE SHEET NO. V-104 STA. 10+00**

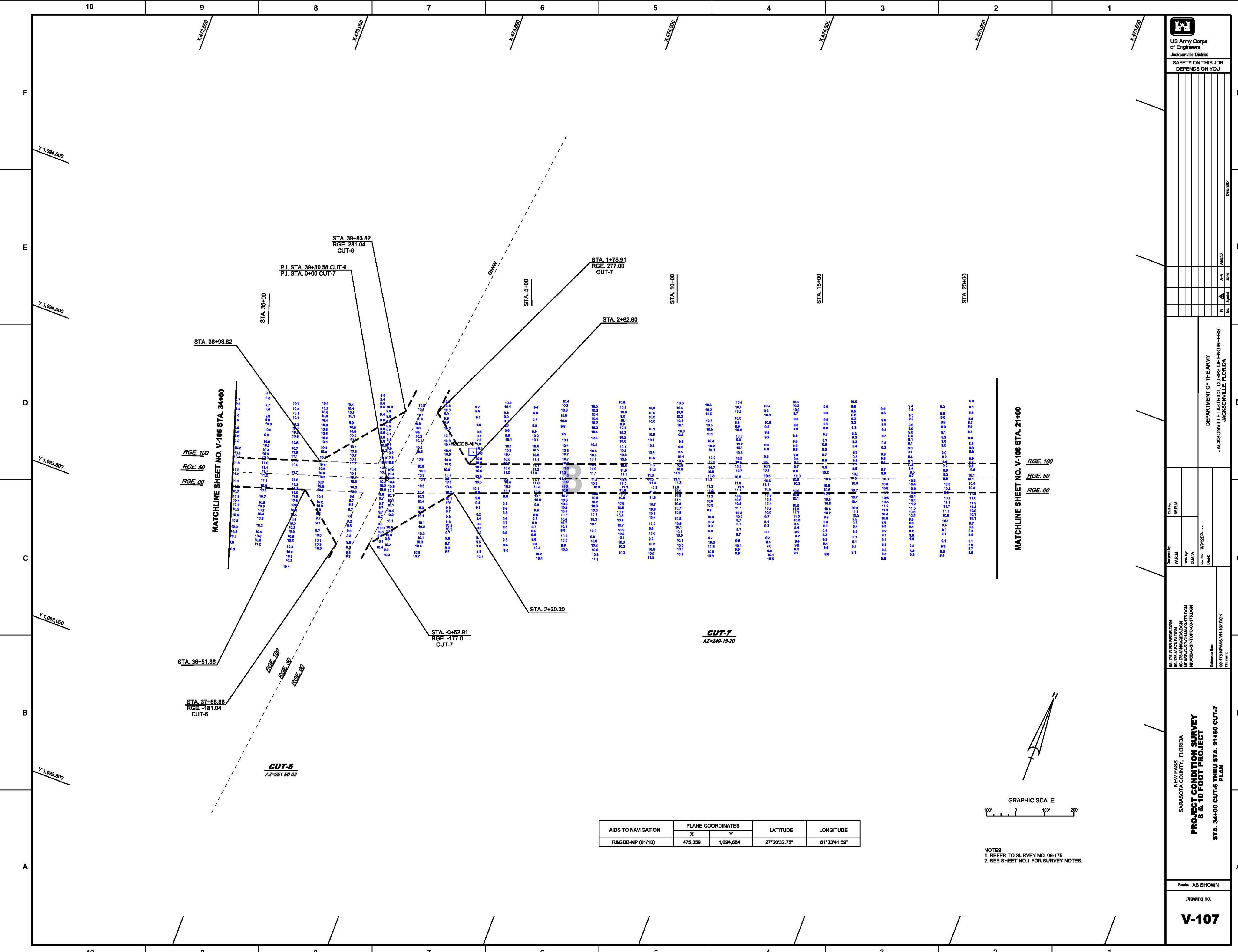
06-175-CB-BR01D0N	06-175-CB-BR01D0N
06-175-NAWADSD0N	06-175-NAWADSD0N
NFSS-SS-CP005-175.D0N	NFSS-SS-CP005-175.D0N
Inv. No. W912EP... Date:	Reference No. 06-175-NPSS-WH100D0N Transc.

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









10 9 8 7 6 5 4 3 2 1

F  
Y 1,095,500

E  
Y 1,095,000

D  
Y 1,094,500

C  
Y 1,094,000

B  
Y 1,093,500

A

RGE. 100  
RGE. 50  
RGE. 00

MATCHLINE SHEET NO. V-107 STA. 21+00

STA. 25+00

STA. 30+00

P.I. STA. 35+21.82 CUT-7  
P.I. STA. 0+00 TURNING BASIN

STA. 5+00

CUT-7  
AZ-249-15-20

TURNING BASIN  
AZ-249-15-20

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-21 (01/10)	476,670	1,095,199	27°20'44.16"	82°33'08.37"
DBN-22 (01/10)	477,401	1,095,132	27°20'43.51"	82°33'02.47"
DBN-23 (01/10)	477,237	1,095,485	27°20'47.00"	82°33'04.31"

NOTES:  
1. REFER TO SURVEY NO. 09-175.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.

Scale: AS SHOWN  
Drawing no.

V-108

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NEW PASS  
SARASOTA COUNTY, FLORIDA  
PROJECT CONDITION SURVEY  
8 & 10 FOOT PROJECT  
STA. 21+00 CUT-7 THRU TURNING BASIN  
PLAN

08-175-CB-BR-BR-BR-BR  
08-175-V-SC-BR-BR-BR  
08-175-AV-BR-BR-BR-BR  
NPSS-SS-SP-CP-CO-S-DS-175-DS  
Reference Sheet No. V-108-DS-175-DS  
Drawing No. 08-175-PA-SS-VH-108-DS-175-DS

No.	ABCD	Zero	Section	Division
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

GRAPHIC SCALE  
100' 0' 100' 200'

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

