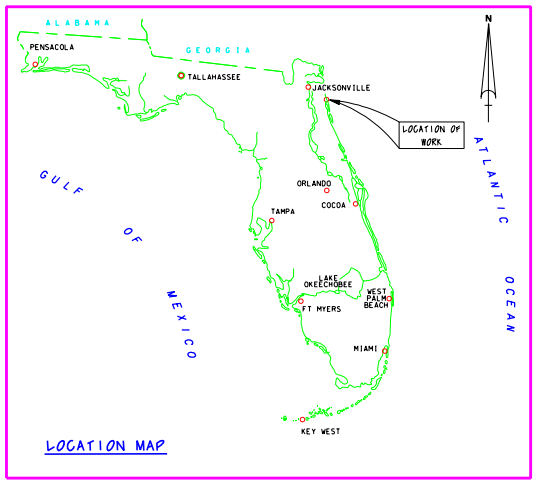
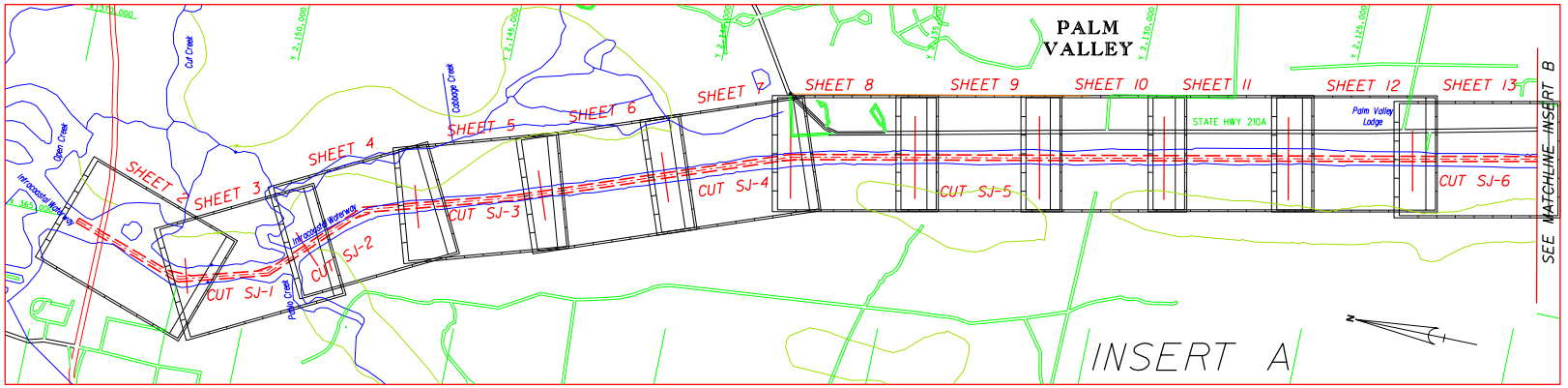
INTRACOASTAL WATERWAY
CUTS SJ-1 THRU SJ-9
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY

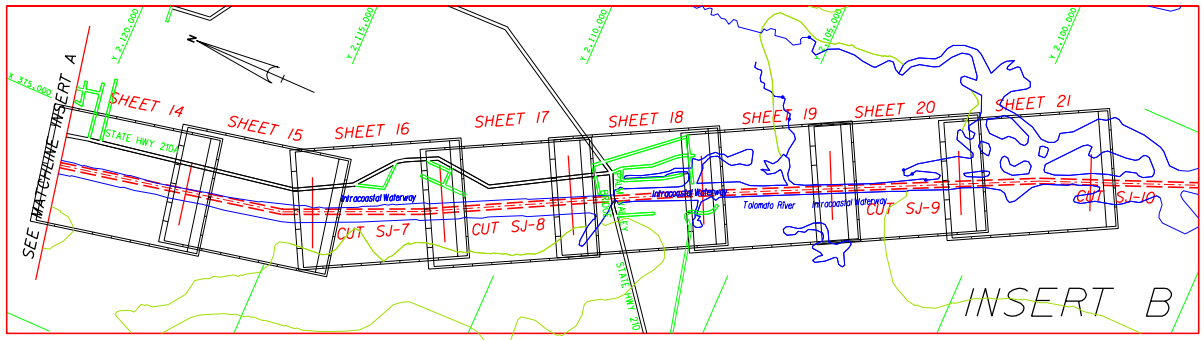


LOCATION MAP

SURVEY NOTES:

1. REFER TO SURVEY NO. 03-166.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 1.60 FEET BELOW NGVD 1929 FOR CUTS SJ-1 THRU SJ-5, 1.80 FEET FOR CUT SJ-6 TO THE PALM VALLEY BRIDGE AND 2.00 FEET FROM THE PALM VALLEY BRIDGE TO CUT SJ-11.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A PILING SOUTH OF THE BOAT RAMP IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "PALM-2" FOR CUTS SJ-6 THRU SJ-9, FROM A MEASURE DOWN POINT ON THE DOCK OF A HOUSE AT 245 ROSCOE BLVD., AND REFERENCED FROM BENCHMARK "IWSJ-13" FOR CUTS SJ-4 AND SJ-5 AND FROM A BUMPER PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "F.D.E.P. 0305-F" FOR CUTS SJ-1 AND SJ-3.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.
9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. 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.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.



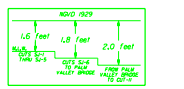


GRAPHIC SCALE
1000' 0 1000' 2000'

BENCHMARK	NGVD ELEV. (FT)
IWSJ-13	8.51
PALM-2	4.90
F.D.E.P. 0305-F	3.93

SURVEY TABULATION

VESSEL	AREA SURVEYED	DATE SURVEYED	STAFF LOCATION	BENCHMARK
WB-34	CUTS SJ-1 THRU SJ-3	02 SEP 2003	PALM VALLEY BRIDGE	FDEP 0305-F
WB-34	CUTS SJ-4 THRU SJ-5	28 AUG 2003	HOUSE #245 ROSCOE BLVD.	IWSJ-13
WB-34	CUTS SJ-6 THRU SJ-9	26-27 AUG 2003	PILING @ BOAT RAMP	PALM-2



Relationship between NGVD 1929 and Mean Low Water

LEGEND
- BM BENCHMARK
- LIGHTED BEACON
- GREEN DAYBEACON
- RED DAYBEACON
- RED LIGHTED BUOY
- GREEN LIGHTED BUOY
- CAN BUOY
- NUN BUOY
- TIDE STAFF

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

Proj. No. DACW17-XX-X-XXXX
Dataset: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX%
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Drawn by: CES
Checked by: MMW
Dataset: AUG 2003
D.O.F FILE NO.
File name: E1665HDR.DGN
Reference files: BNDRY66.DGN CUTS1-9.DGN NEWTEMP.DGN CVRSHL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
COVER, INDEX AND LOCATION SHEET
PLAN

DRAWING NO.
1/21
SHEET 1 OF 21

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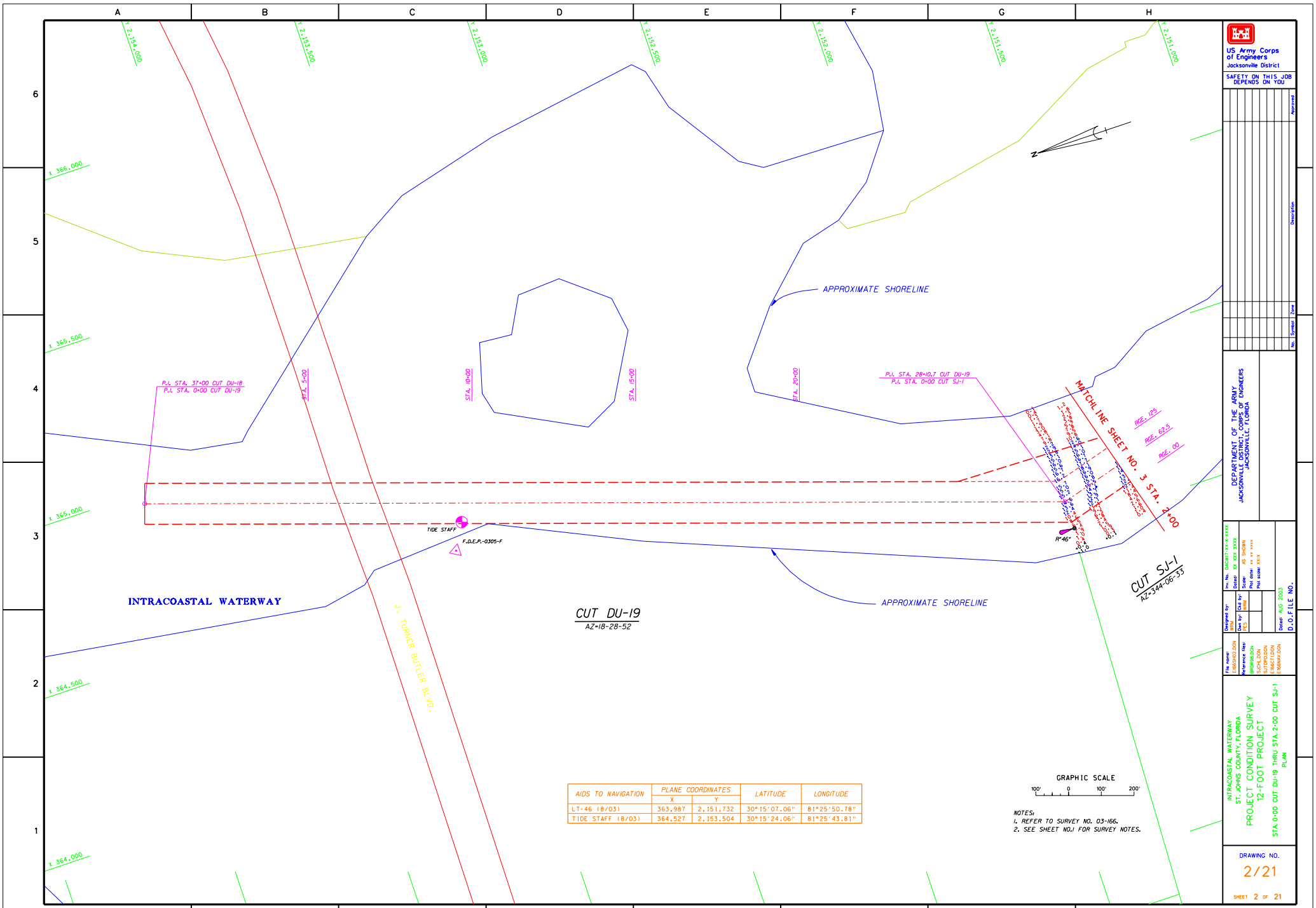

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-46 (8/03)	363,987	2,151,732	30°15'07.06"	81°25'50.78"
TIDE STAFF (8/03)	364,527	2,153,504	30°15'24.06"	81°25'43.81"

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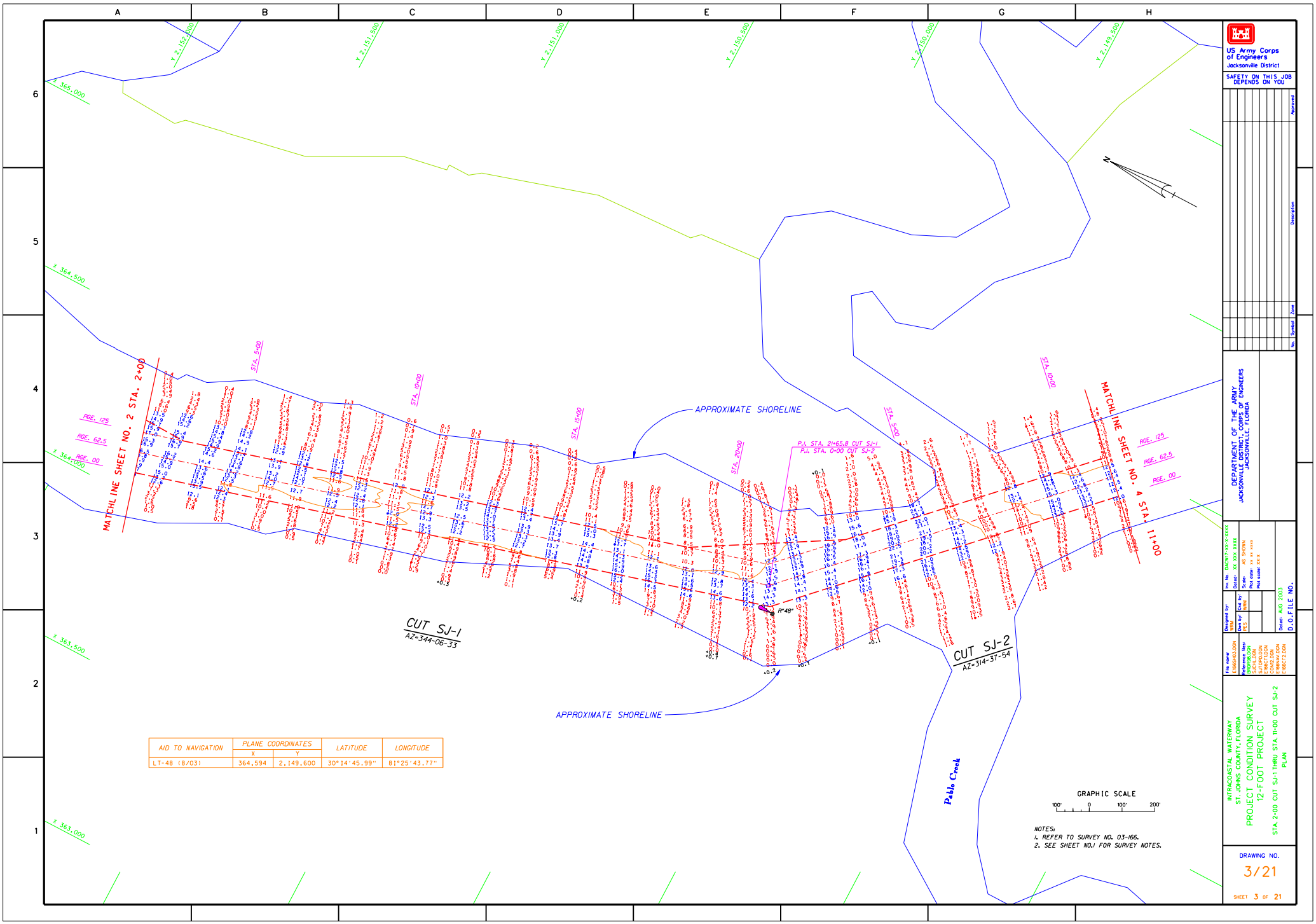

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-48 (8/03)	364,594	2,149,600	30°14'45.99"	81°25'43.77"

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JACKSONVILLE, FLORIDA

Drawing No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: RGB
Drawn by: DCS
Checked by: WMW
Dated: AUG 2003
D.O.F. FILE NO.

File name: E166SH03.DGN
Reference files: SURVEY.DGN
SJCHL.DGN
E166CT1.DGN
CONSJ.DGN
E166CT2.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 2+00 CUT SJ-1 THRU STA. 11+00 CUT SJ-2
PLAN

DRAWING NO.
3/21

SHEET 3 OF 21

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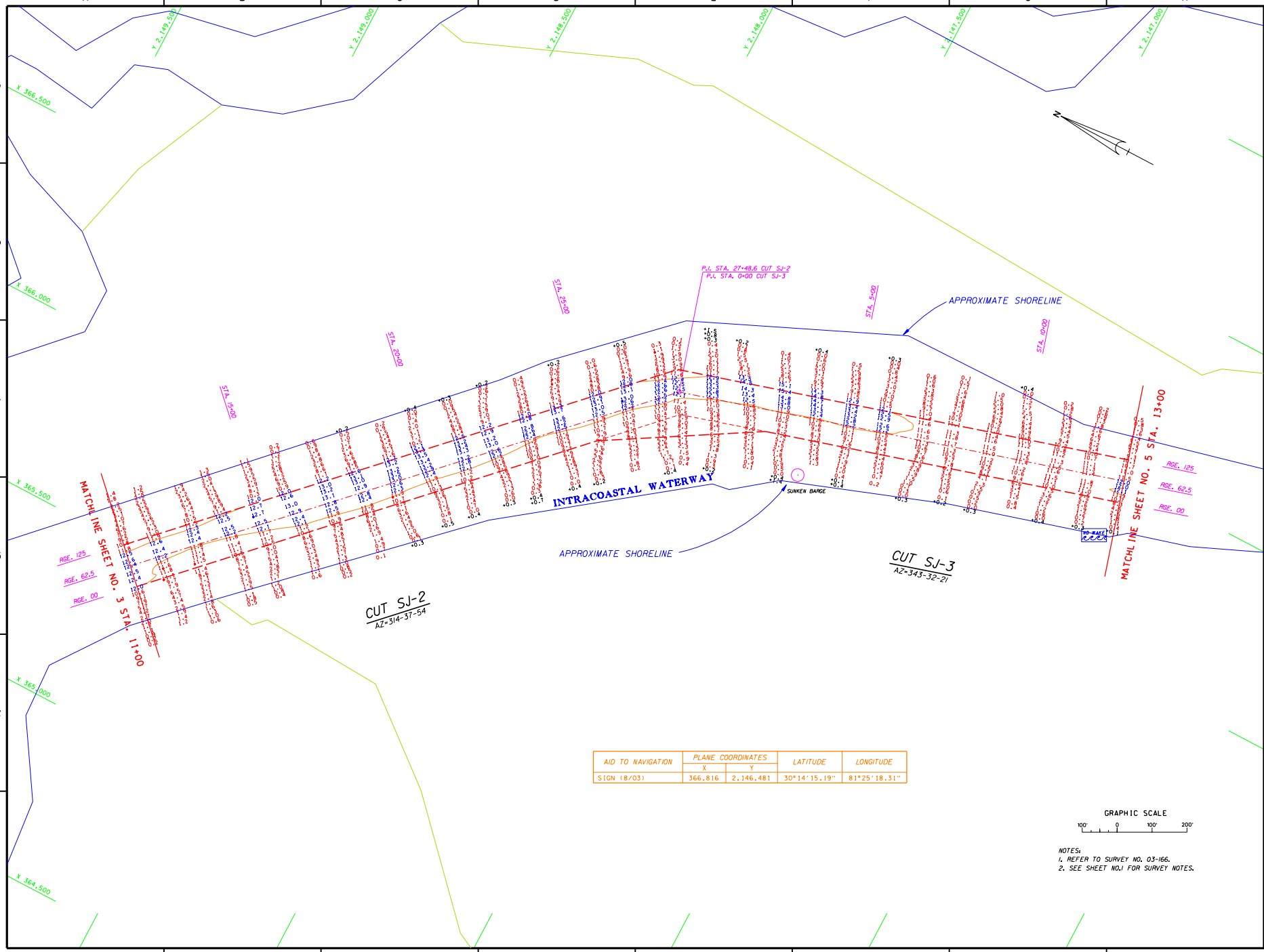

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (8/03)	366,816	2,146,481	30°14'15.19"	81°25'18.31"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-166.
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

Approved | Description | No. | Symbol | Zone

Drw. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: xx.x

Designed by: RWM
Drawn by: PCS
Quad by: RWM
Dated: AUG 2003
D.O.F FILE NO.

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Reference files: SHORE1.DGN, SHORE2.DGN, S.IT.DPO.DGN, E166C12.DGN, E166C13.DGN, E166C14.DGN, E166NAV.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 11+00 CUT SJ-2 THRU STA. 13+00 CUT SJ-3
PLAN

DRAWING NO.
4/21

SHEET 4 OF 21

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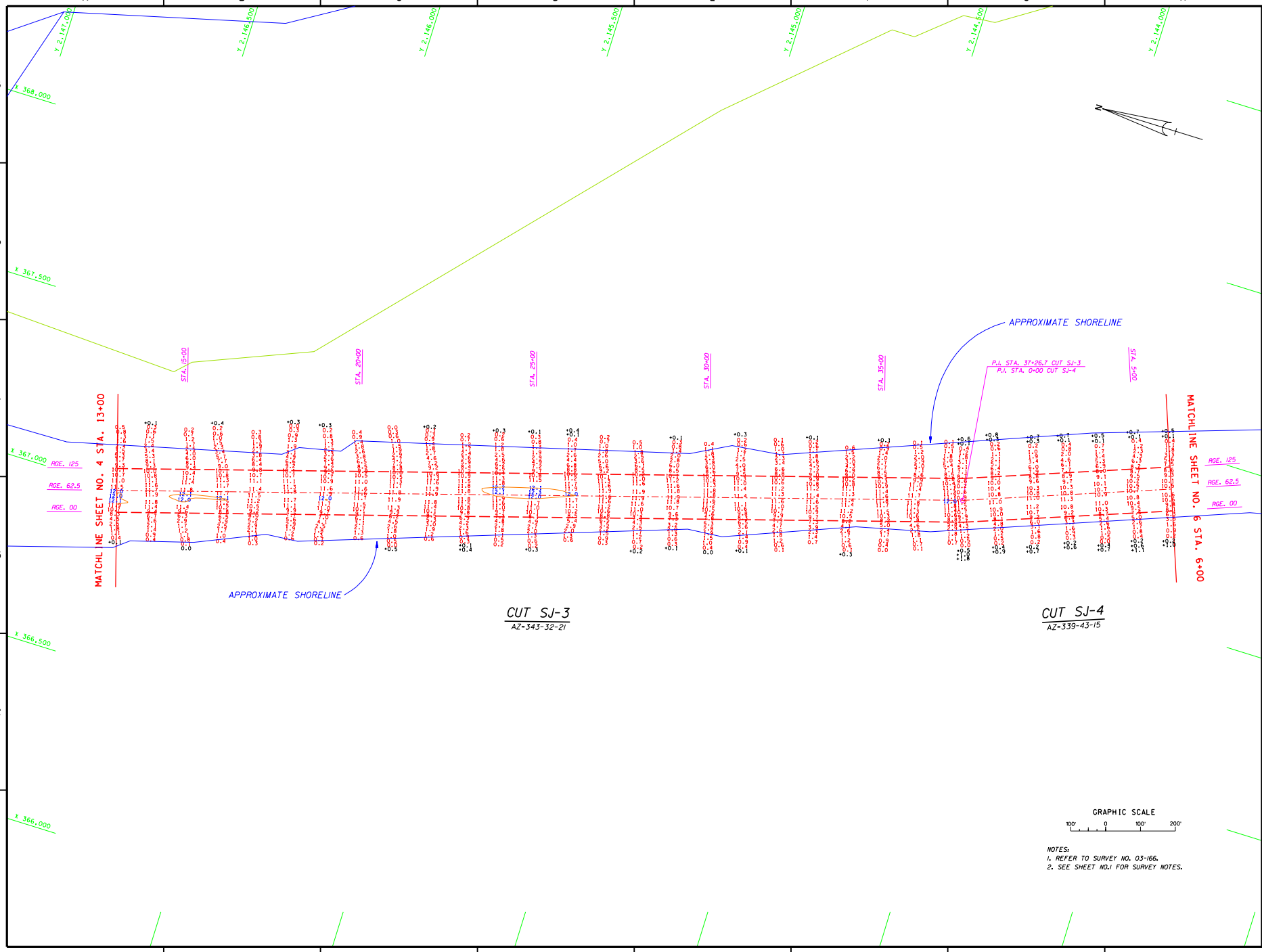

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
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Designed by: WRM
Dwn by: PES
Ckd by: WRM
Dated: AUG 2003
D.O. FILE NO.

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INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 13+00 CUT SJ-3 THRU STA. 6+00 CUT SJ-4
PLAN

DRAWING NO.
5/21

SHEET 5 OF 21

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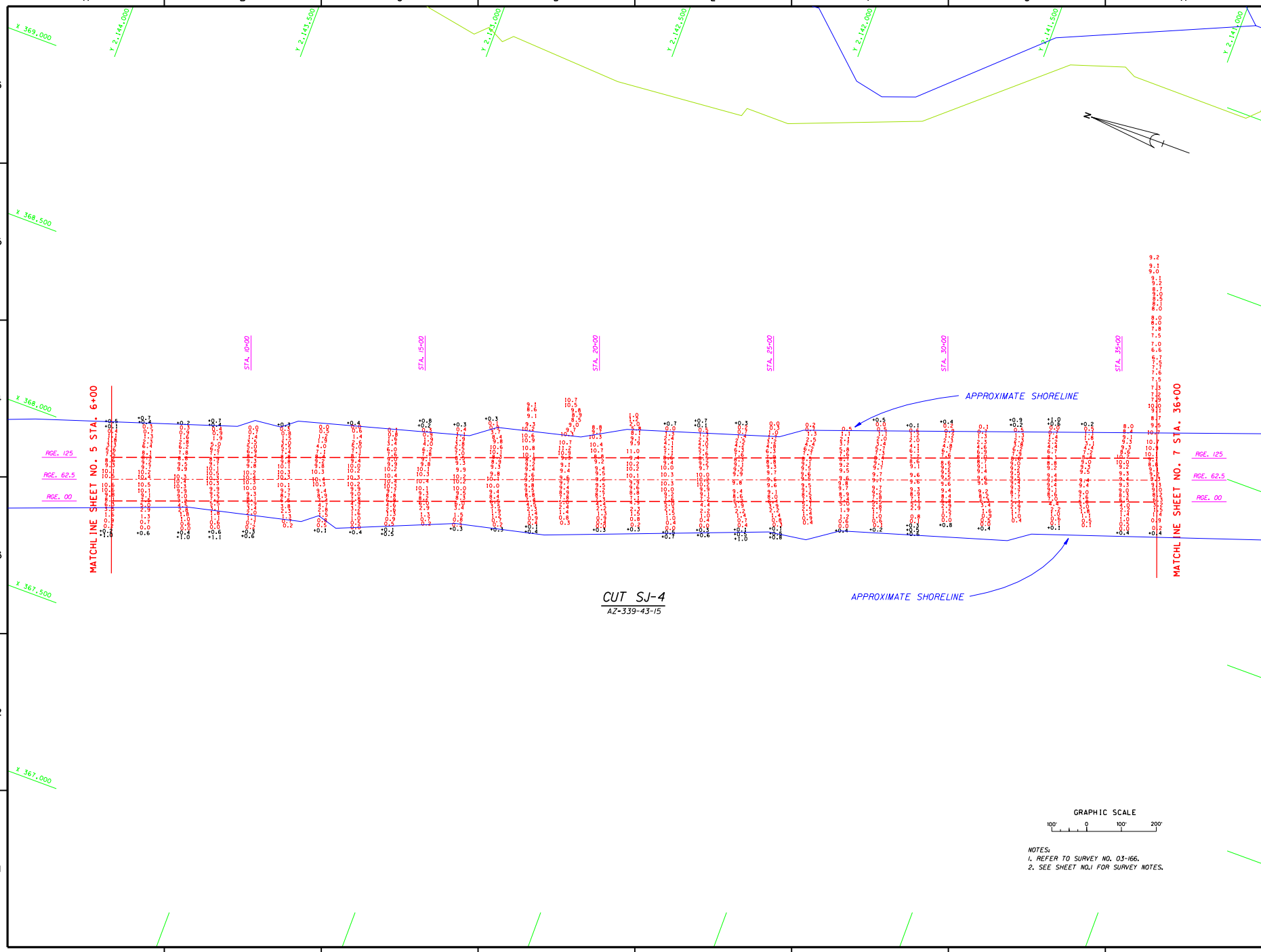

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
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Designed by: WRM
Dwn by: PES
Ckd by: WRM

Dated: AUG 2003
D.O.FILE NO.

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INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 6+00 THRU STA. 36+00 CUT SJ-4
PLAN

DRAWING NO.
6/21

SHEET 6 OF 21

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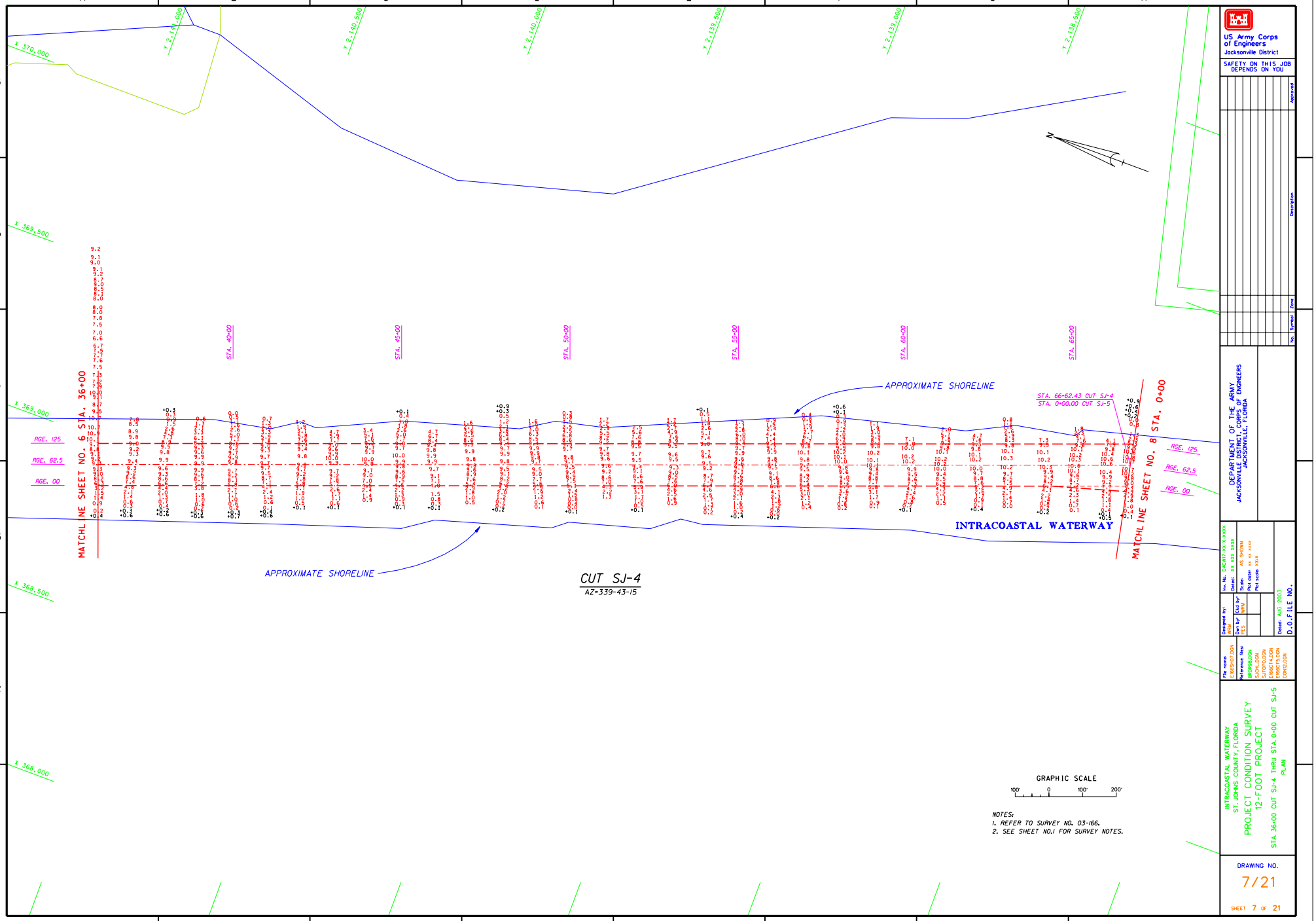

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dataset: XX XXX XXXX
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Dwn by: PES
Ckd by: WRM
Dated: AUG 2003
D.O. FILE NO.

File name: E166SH07.DGN
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INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 36+00 CUT SJ-4 THRU STA. 0+00 CUT SJ-5
PLAN

DRAWING NO.
7/21

SHEET 7 OF 21

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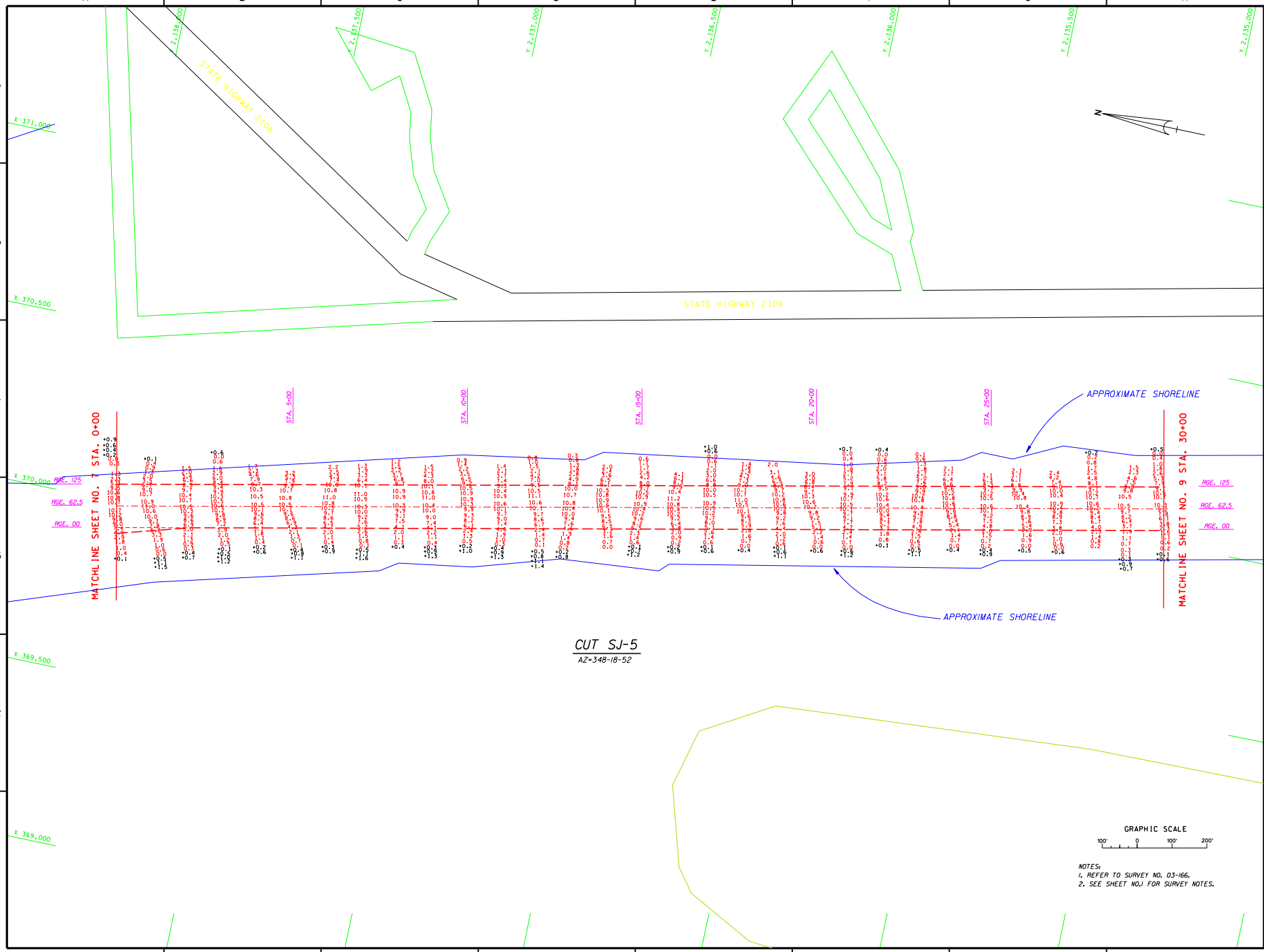

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dataset: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
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Designed by: WRM
Dwn by: PES
Ckd by: WRM

Dated: AUG 2003
D.O. FILE NO.

File name: E166SH08.DGN
Reference files: BRDR08.DGN SJCYL.DGN SJTOPO.DGN E166CT5.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT SJ-5
PLAN

DRAWING NO.
8/21

SHEET 8 OF 21

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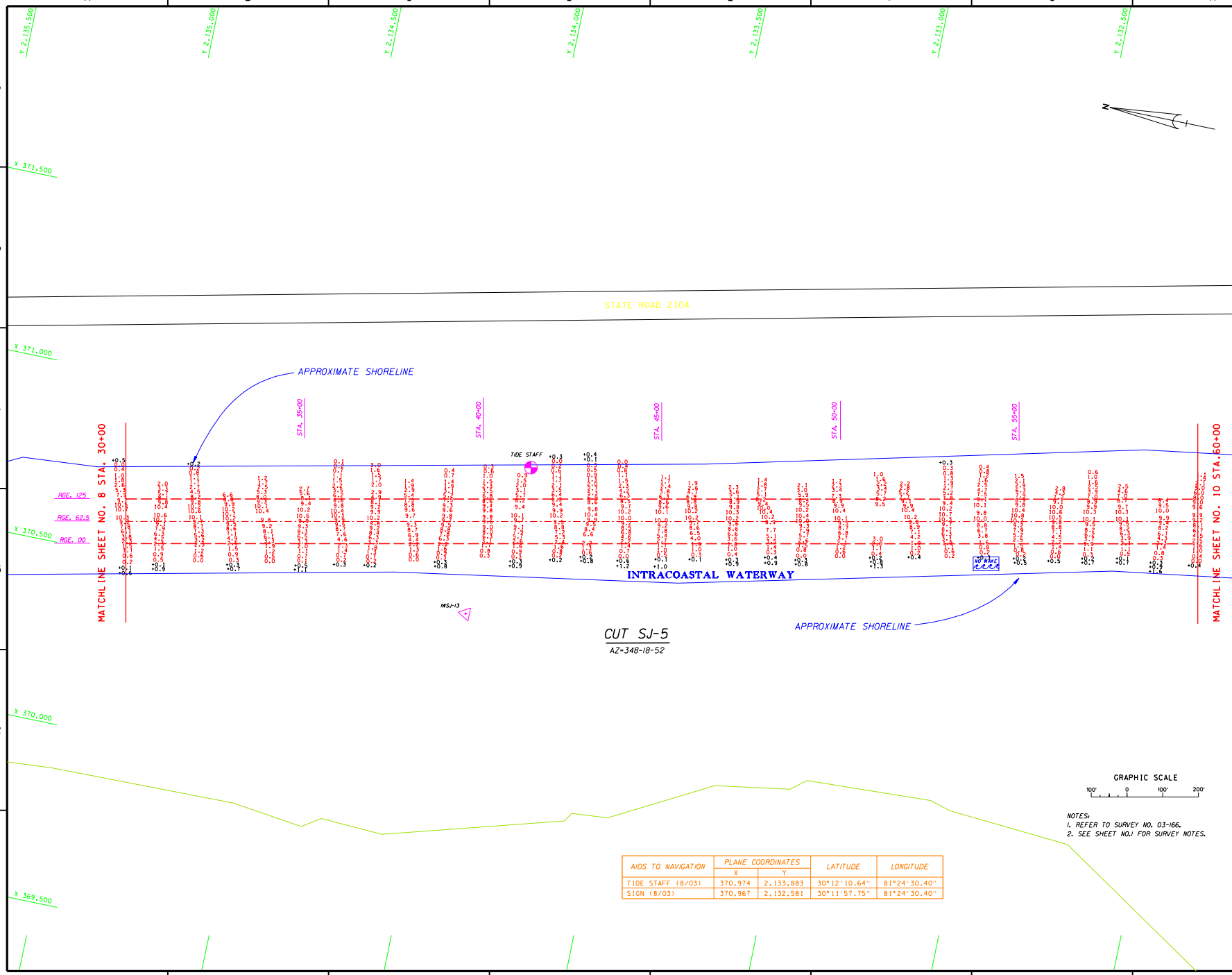

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIDE STAFF (8/03)	370,974	2,133,883	30°12'10.64"	81°24'30.40"
SIGN (8/03)	370,967	2,132,581	30°11'57.75"	81°24'30.40"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
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Designed by: WRM
Dwn by: PES
Ckd by: WRM

Dated: AUG 2003
D.O. FILE NO.

File name: E166SH09.DGN
Reference files: BRDR98.DGN SJCHL.DGN SJTOPO.DGN E166CT5.DGN E166NAV.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 30+00 THRU STA. 60+00 CUT SJ-5
PLAN

DRAWING NO.
9/21

SHEET 9 OF 21

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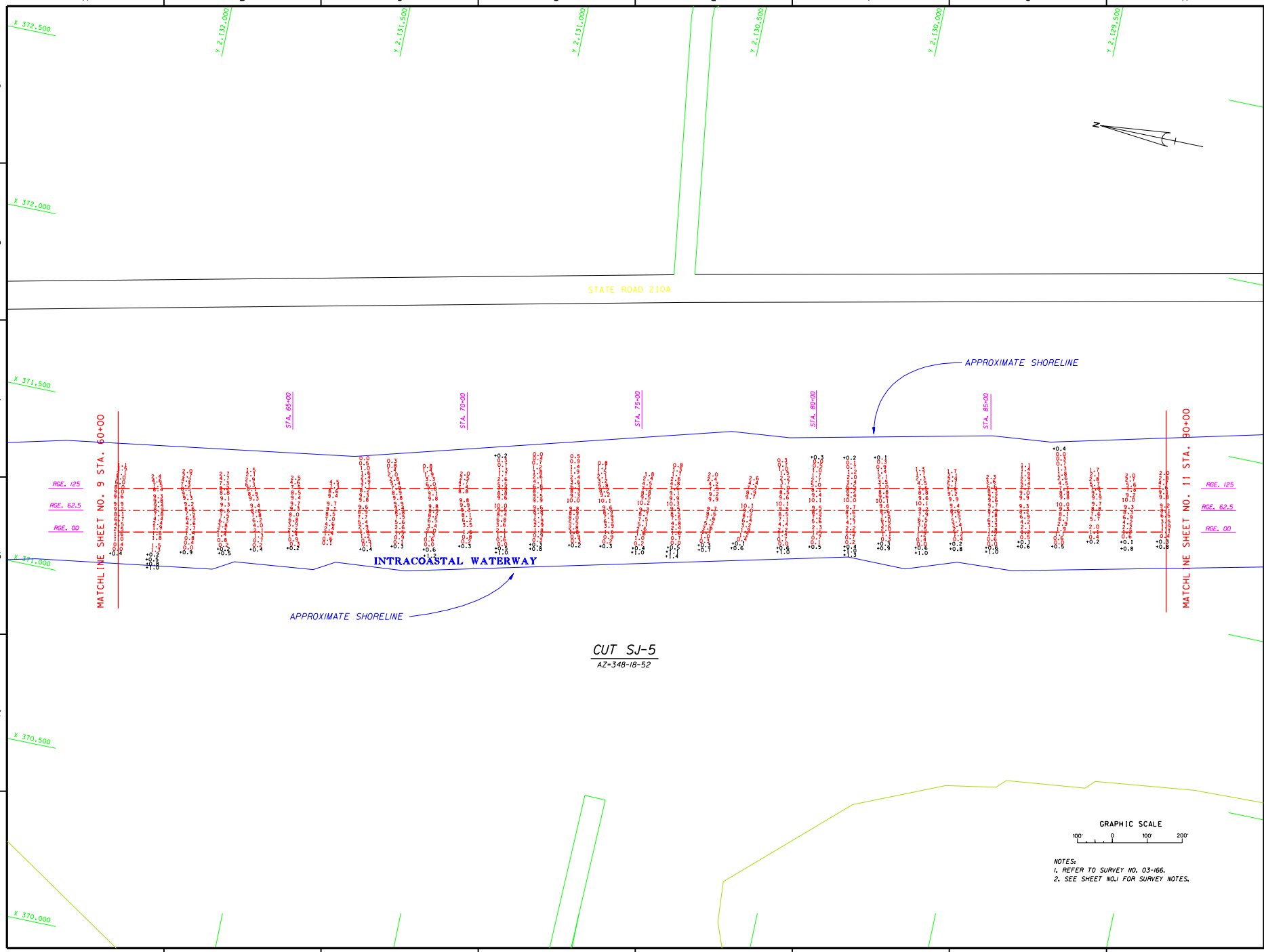

CUT SJ-5

AZ=348-18-52

NOTES:
1. REFER TO SURVEY NO. 03-166.
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	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
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Dwn by: PES
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Dated: AUG 2003
D.O. FILE NO.

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Reference files: BRDRBUL.DGN SJCHL.DGN SJTOPO.DGN E166CT5.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 60+00 THRU STA. 90+00 CUT SJ-5
PLAN

DRAWING NO.
10/21

SHEET 10 OF 21

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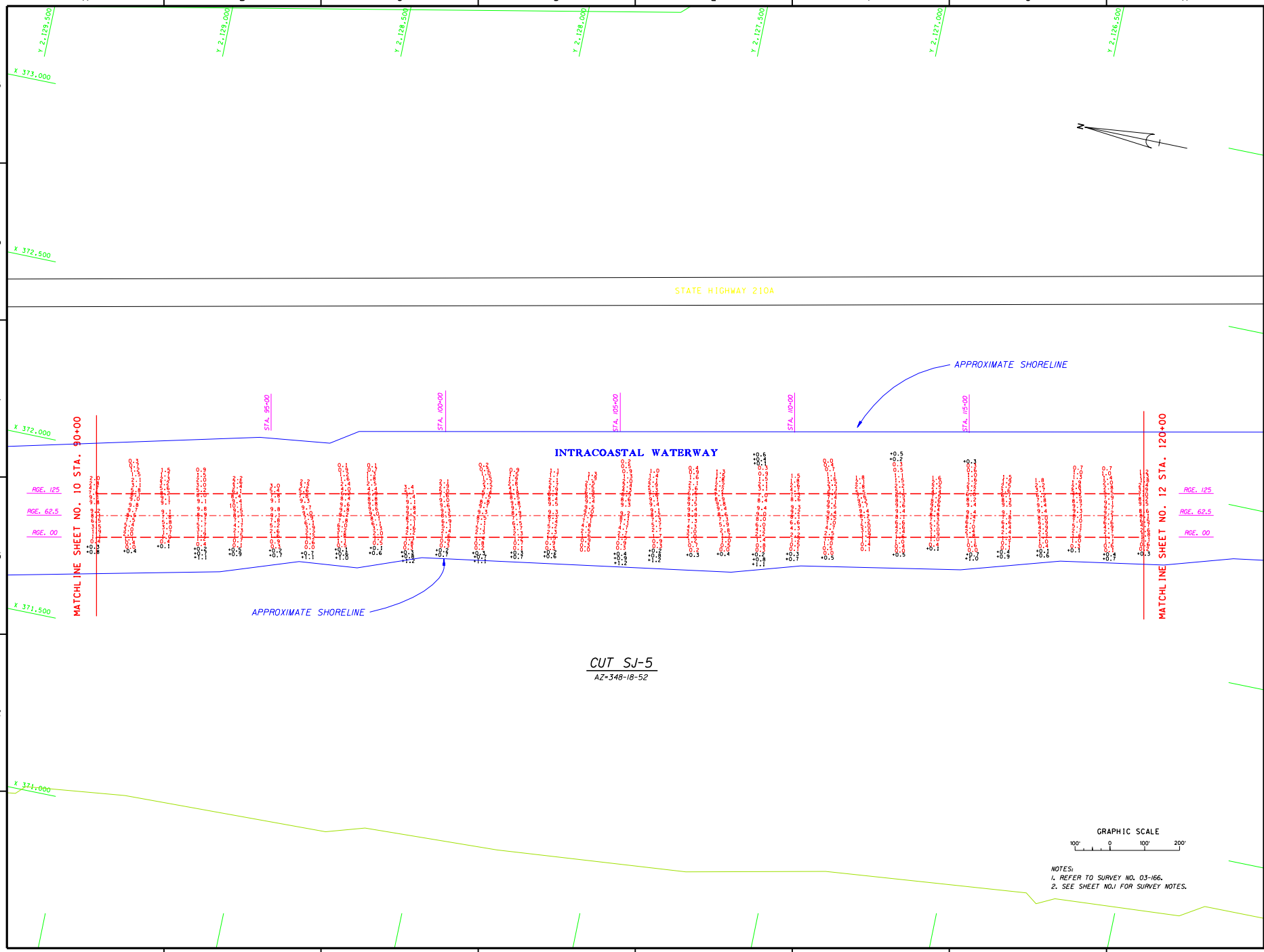
A
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Y 2,129,500
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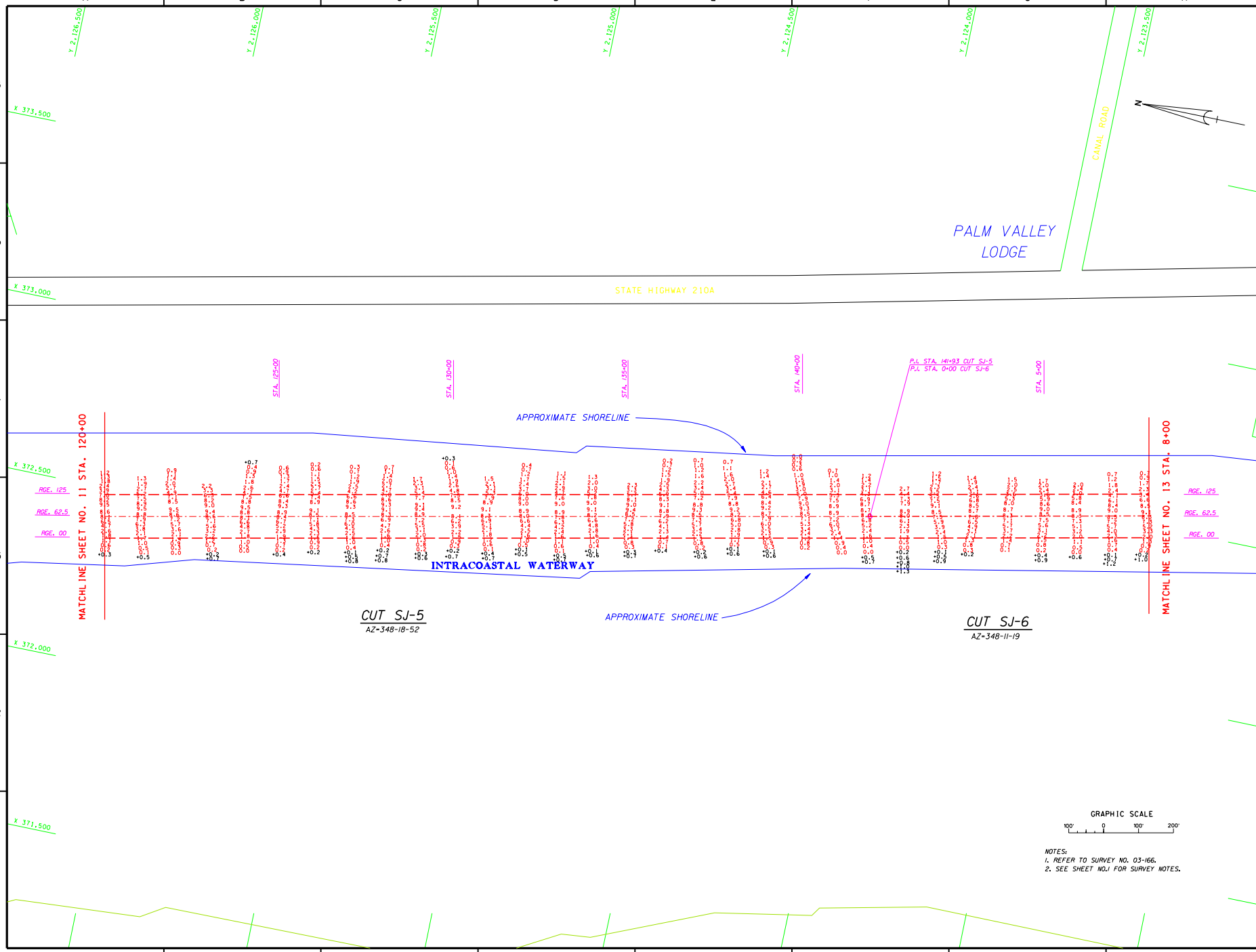
Y 2,127,000
Y 2,126,500
X 373,000
X 372,500
X 372,000
X 371,500
X 371,000
STATE HIGHWAY 210A
APPROXIMATE SHORELINE
INTRACOASTAL WATERWAY
STA. 95+00
STA. 100+00
STA. 105+00
STA. 110+00
STA. 115+00
MATCHLINE SHEET NO. 10 STA. 90+00
MATCHLINE SHEET NO. 12 STA. 120+00
RGE. 125
RGE. 62.5
RGE. 00
APPROXIMATE SHORELINE
CUT SJ-5
AZ=348-18-52
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 03-166.
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
INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA 90+00 THRU STA 120+00 CUT SJ-5
PLAN
DRAWING NO.
11/21
SHEET 11 OF 21



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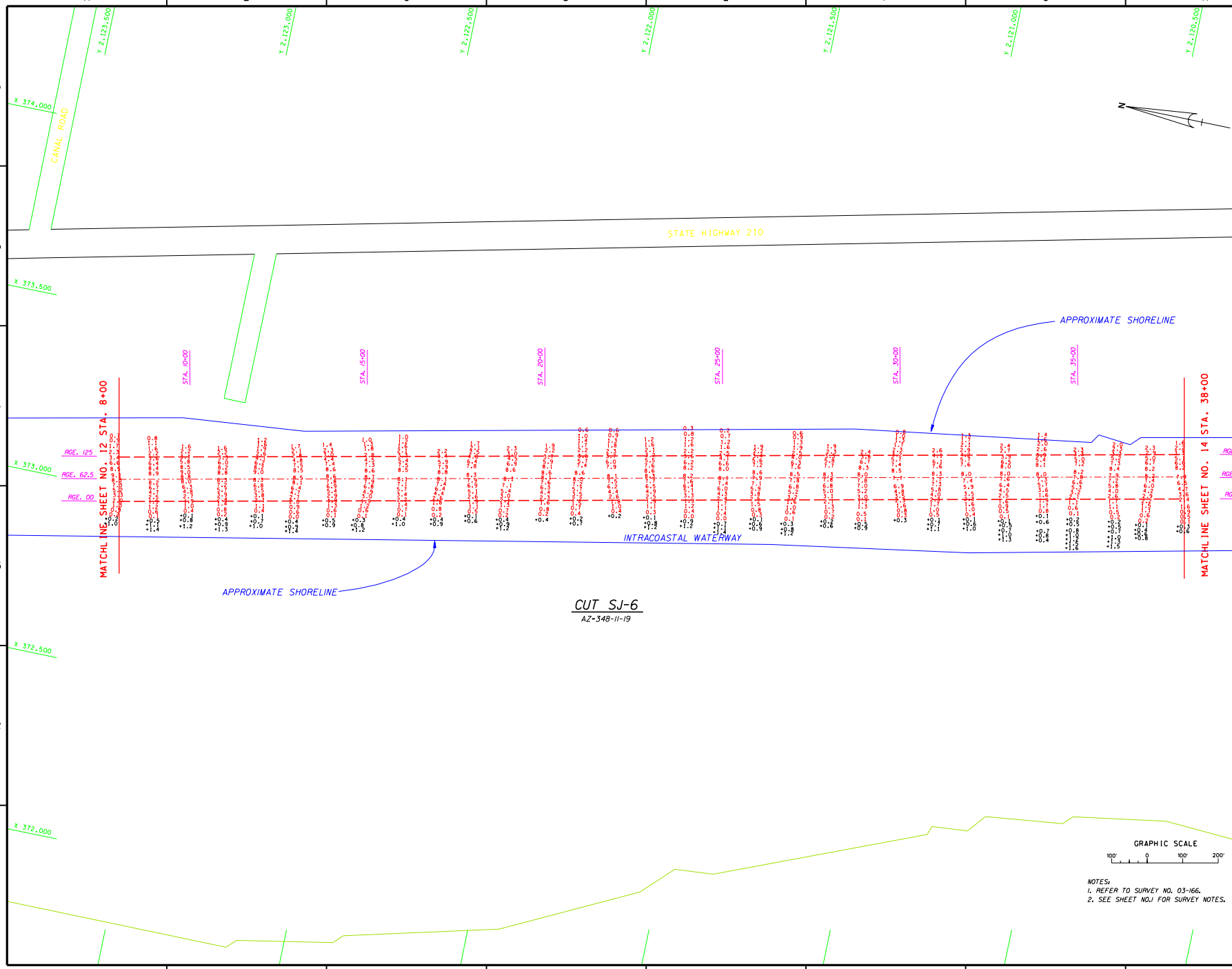
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Y 2,121,500
Y 2,121,000
Y 2,120,500
X 374,000
X 373,500
X 373,000
X 372,500
X 372,000
CANAL ROAD
STATE HIGHWAY 210
N
APPROXIMATE SHORELINE
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00
STA. 35+00
MATCHLINE SHEET NO. 12 STA. 8+00
MATCHLINE SHEET NO. 14 STA. 38+00
AGE. 125
AGE. 62.5
AGE. 00
INTRACOASTAL WATERWAY
APPROXIMATE SHORELINE
CUT SJ-6
AZ-348-11-19
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 03-166.
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
INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA 8+00 THRU STA 38+00 CUT SJ-6
PLAN
DRAWING NO.
13/21
SHEET 13 OF 21

CUT SJ-6

AZ=348-11-19

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-166.
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	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: WRM
Dwn by: PES
Ckd by: WRM
Dated: AUG 2003
D.O. FILE NO.

File name: E166SH14.DGN
Reference files: BRDR98.DGN SJCHL.DGN SJTOPO.DGN E166CT6.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 38+00 THRU STA. 68+00 CUT SJ-6
PLAN

DRAWING NO.
14/21

SHEET 14 OF 21

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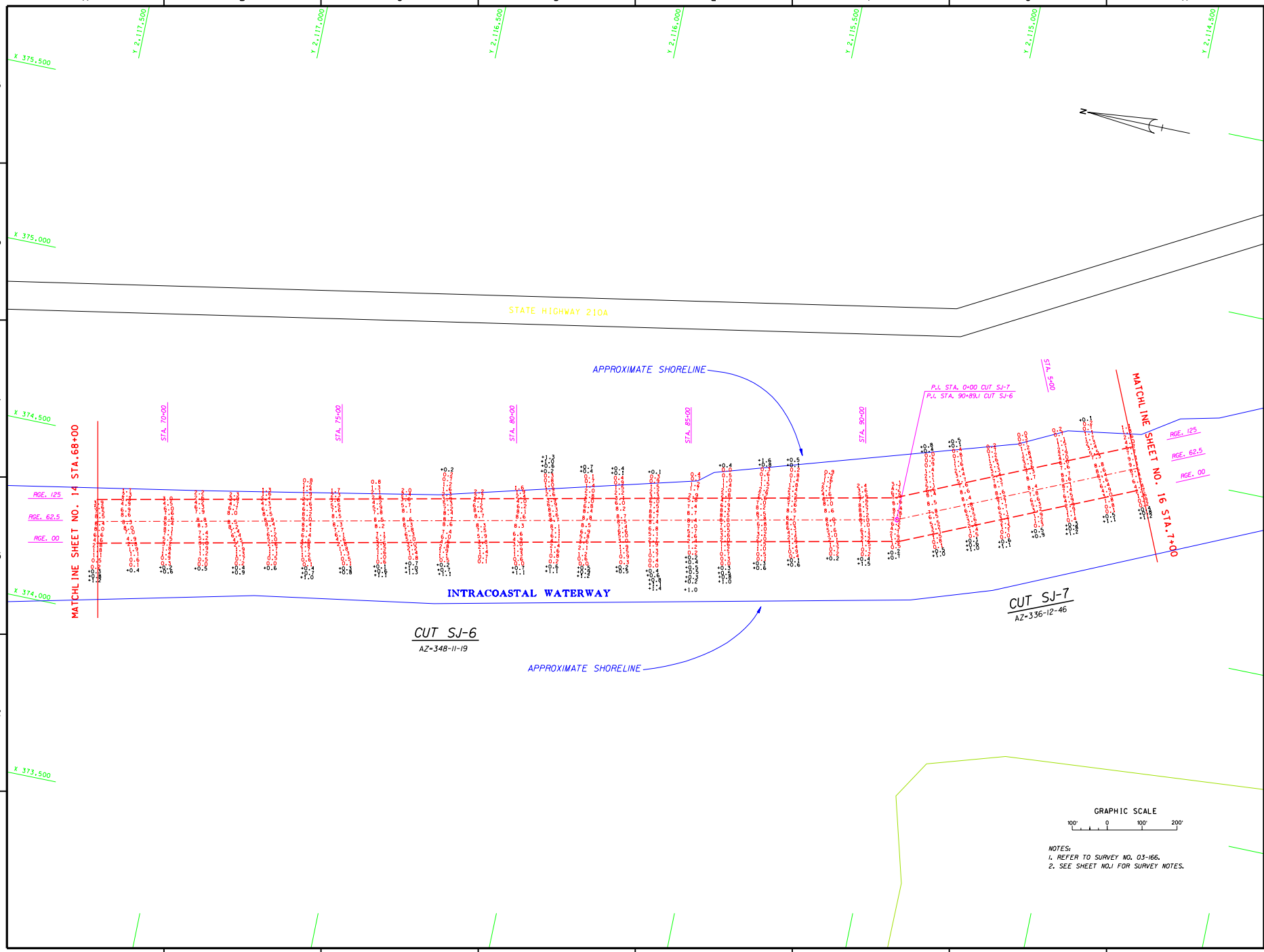

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA 68+00 CUT SJ-6 THRU STA 7+00 CUT SJ-7
PLAN

DRAWING NO.
15/21

SHEET 15 OF 21

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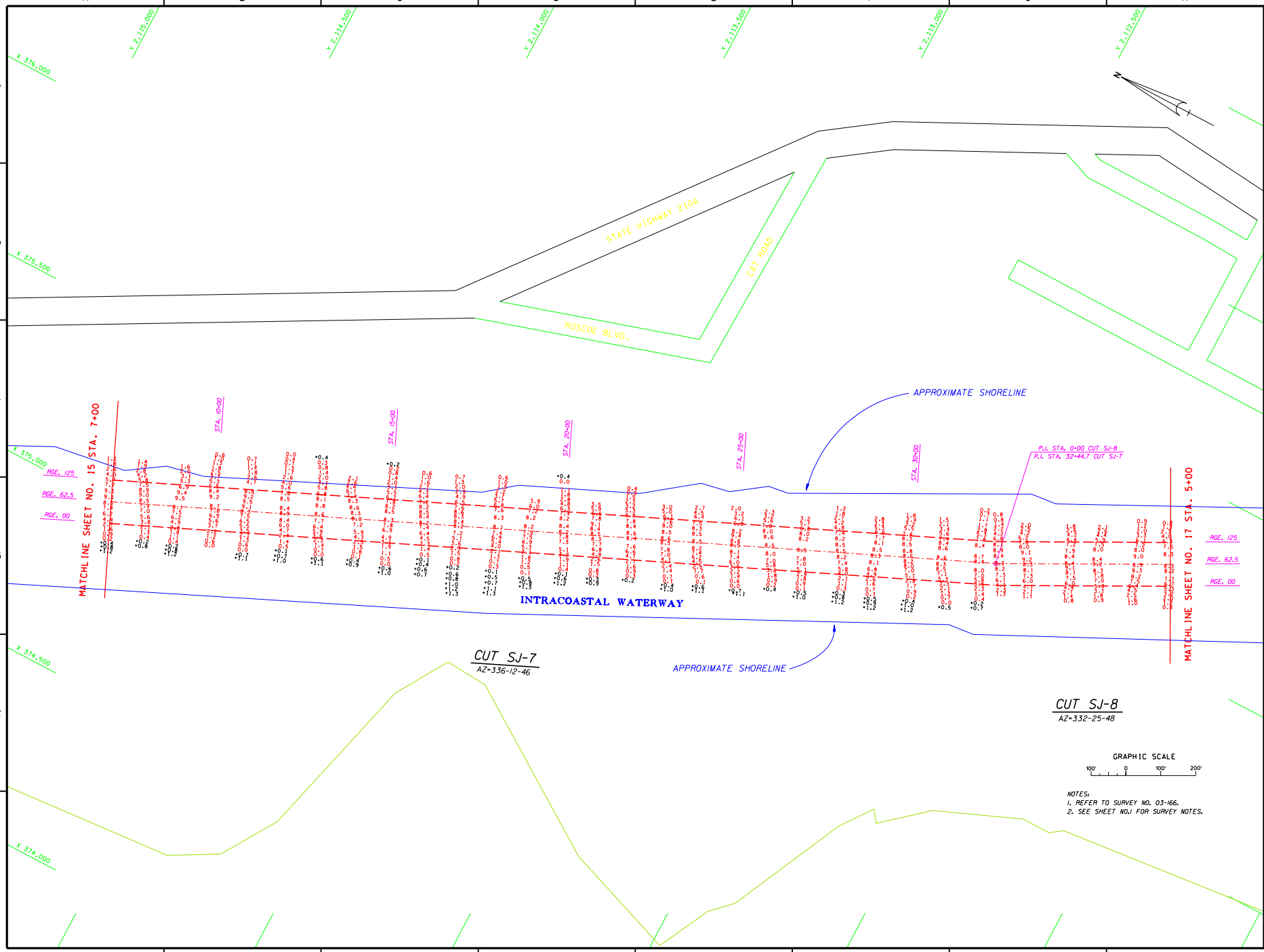

NOTES:
1. REFER TO SURVEY NO. 03-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRM
Dwn by: PES
Ckd by: WRM

Dated: AUG 2003
D.O. FILE NO.

File name: E166SH16.DGN
Reference files: BRDR98.DGN SJCHL.DGN SJTOPO.DGN E166CT7.DGN E166CT8.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 7+00 CUT SJ-7 THRU STA. 5+00 CUT SJ-8
PLAN

DRAWING NO.
16/21

SHEET 16 OF 21

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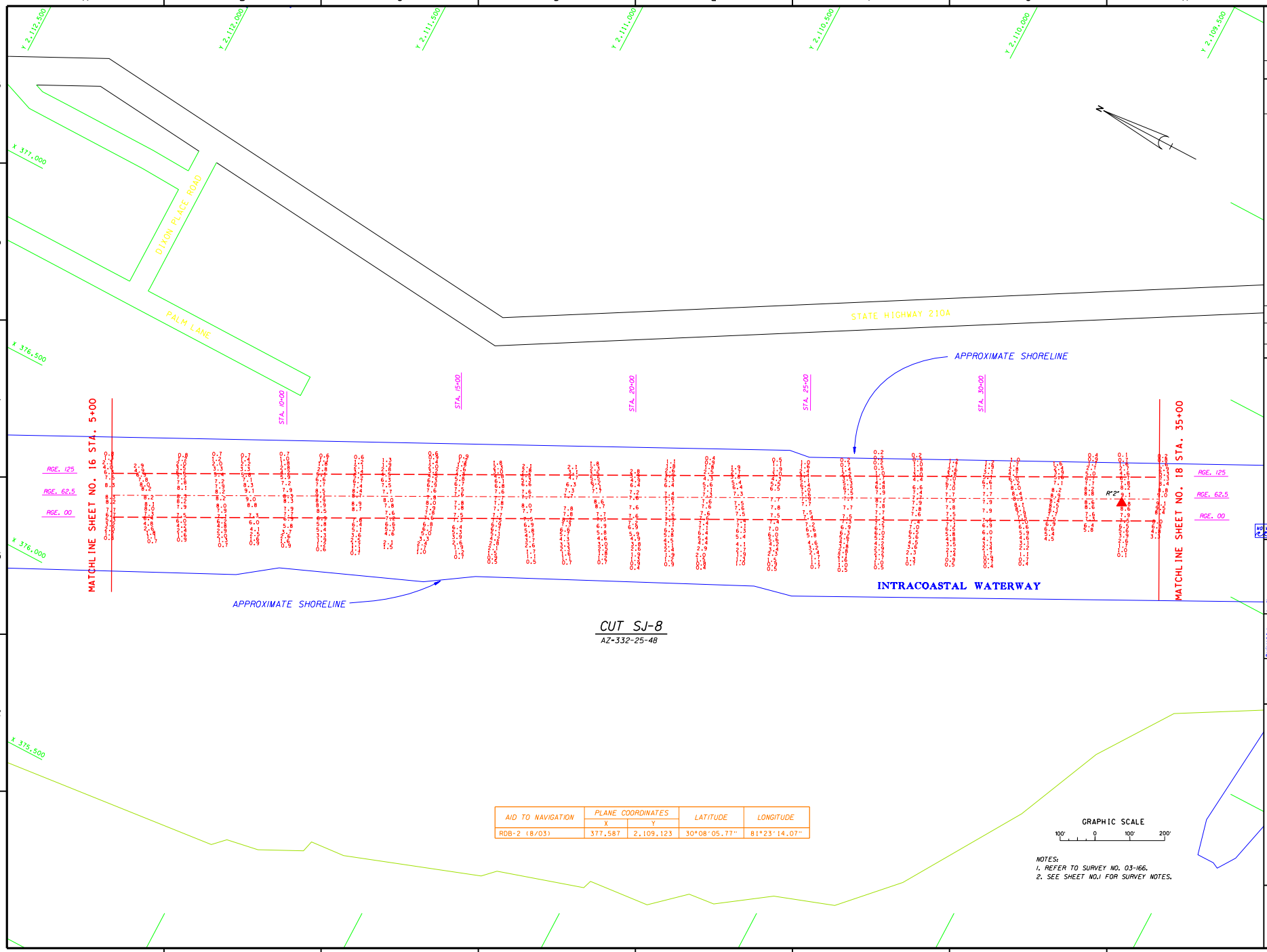


CUT SJ-8

AZ=332-25-48

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
RDB-2 (8/03)	377,587	2,109,123	30°08'05.77"	81°23'14.07"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-166.
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	Description	Approved

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

NO WAKE

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRM
Dwn by: PES
Ckd by: WRM

Dated: AUG 2003
D.O. FILE NO.

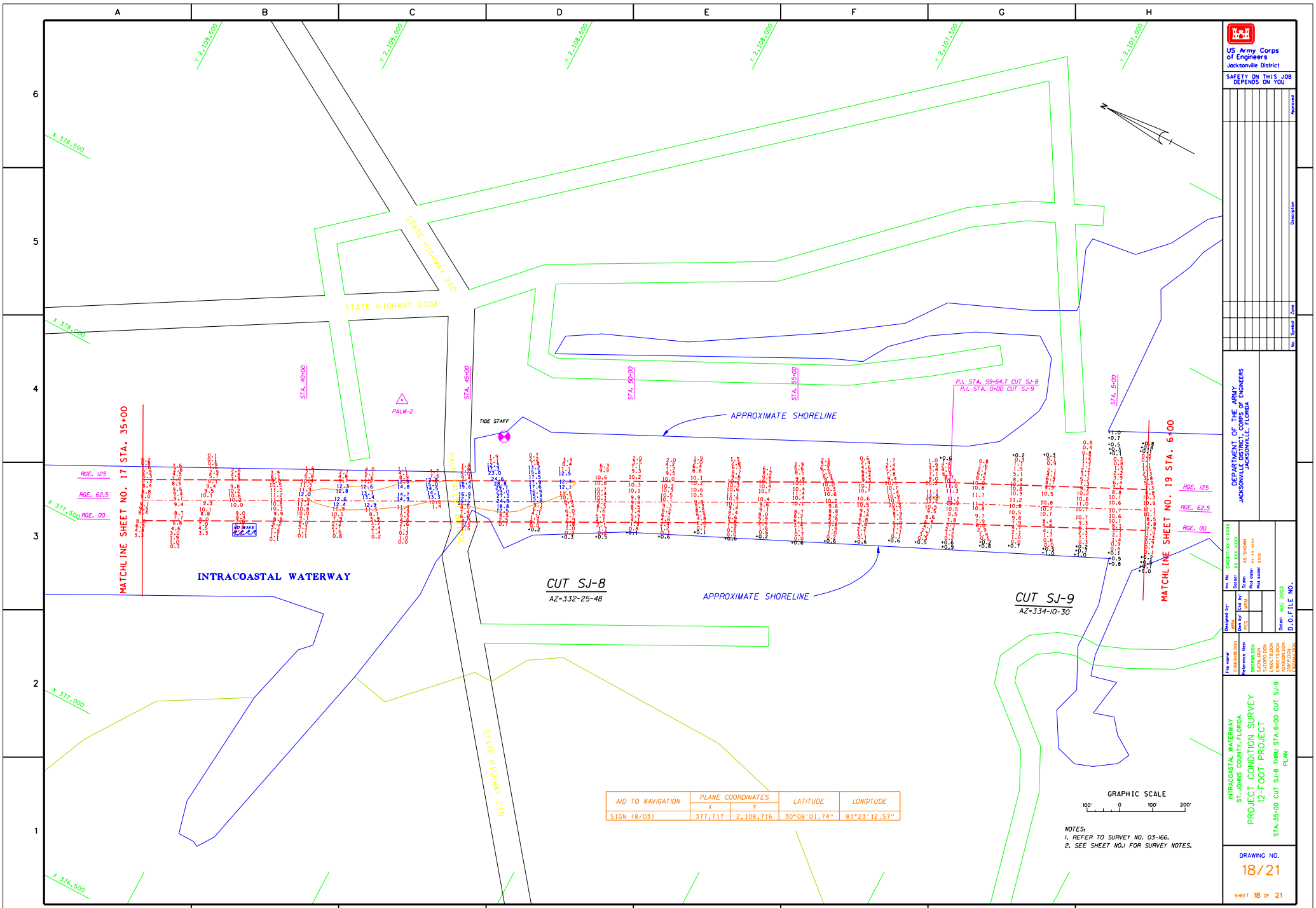
File name: E166SH17.DGN
Reference files: 8R0R98.DGN SJCML.DGN SJTOPO.DGN E166CT8.DGN E166NAV.DGN

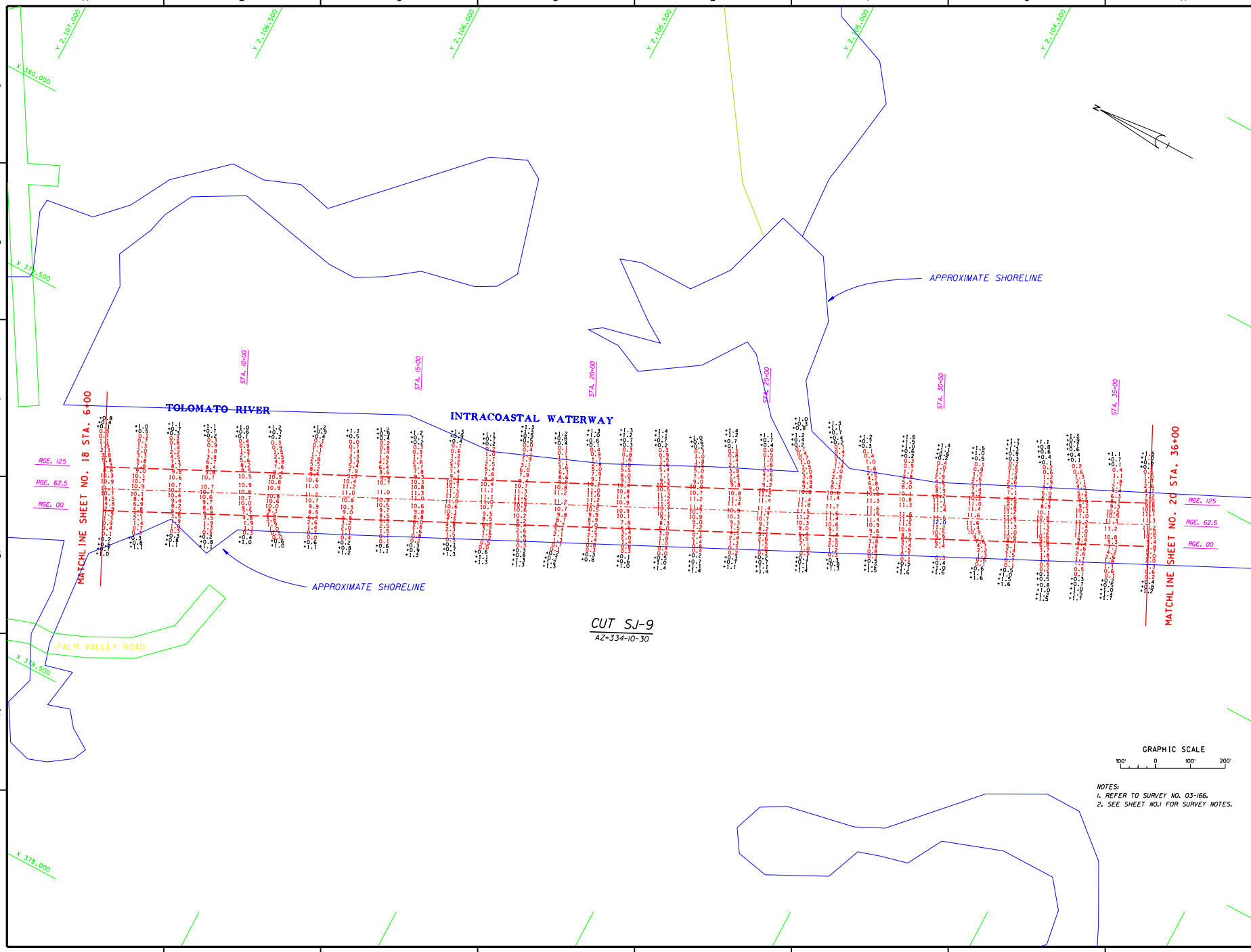
INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 5+00 THRU STA. 35+00 CUT SJ-8
PLAN

DRAWING NO.
17/21

SHEET 17 OF 21

...\IWW_SJ\e166pcs\e166sh17.DGN 10/16/2003 10:18:50 AM


A
B
C
D
E
F
G
H
1
2
3
4
5
6
Y 2,109,500
Y 2,109,000
Y 2,108,500
Y 2,108,000
Y 2,107,500
Y 2,107,000
X 378,500
X 378,000
X 377,500
X 377,000
X 376,500
STATE HIGHWAY 210
STATE HIGHWAY 210A
STA. 40+00
STA. 45+00
STA. 50+00
STA. 55+00
STA. 5+00
PALM-2
TIDE STAFF
APPROXIMATE SHORELINE
P.I. STA. 59+64.7 CUT SJ-8
P.I. STA. 0+00 CUT SJ-9
RGE. 125
RGE. 62.5
RGE. 00
MATCHLINE SHEET NO. 17 STA. 35+00
MATCHLINE SHEET NO. 19 STA. 6+00
INTRACOASTAL WATERWAY
CUT SJ-8
AZ=332-25-48
CUT SJ-9
AZ=334-10-30
APPROXIMATE SHORELINE
PALM VALLEY BRIDGE
STATE HIGHWAY 210
AID TO NAVIGATION
PLANE COORDINATES
X
Y
LATITUDE
LONGITUDE
SIGN (8/03)
377,717
2,108,716
30°08'01.74"
81°23'12.57"
GRAPHIC SCALE
100'
0
100'
200'
NOTES:
1. REFER TO SURVEY NO. 03-166.
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
Approved
Description
No.
Symbol
Zone
Inv. No. DAC817-XX-Y-XXXX
Dated: XX XXX XXXX
Designed by: WBM
Drawn by: MES
Check by: WBM
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
Dated: AUG 2003
D.O.F ILE NO.
File name: E166SH18.DGN
Reference files: SBOX166.DGN SJ-8.DGN SJ-9.DGN SJTOPO.DGN SJ-8.DGN EXECT8.DGN EXECT9.DGN XSECSH.DGN ZIPPT.DGN E166SH01.DGN
INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 35+00 CUT SJ-8 THRU STA. 6+00 CUT SJ-9
PLAN
DRAWING NO.
18/21
SHEET 18 OF 21



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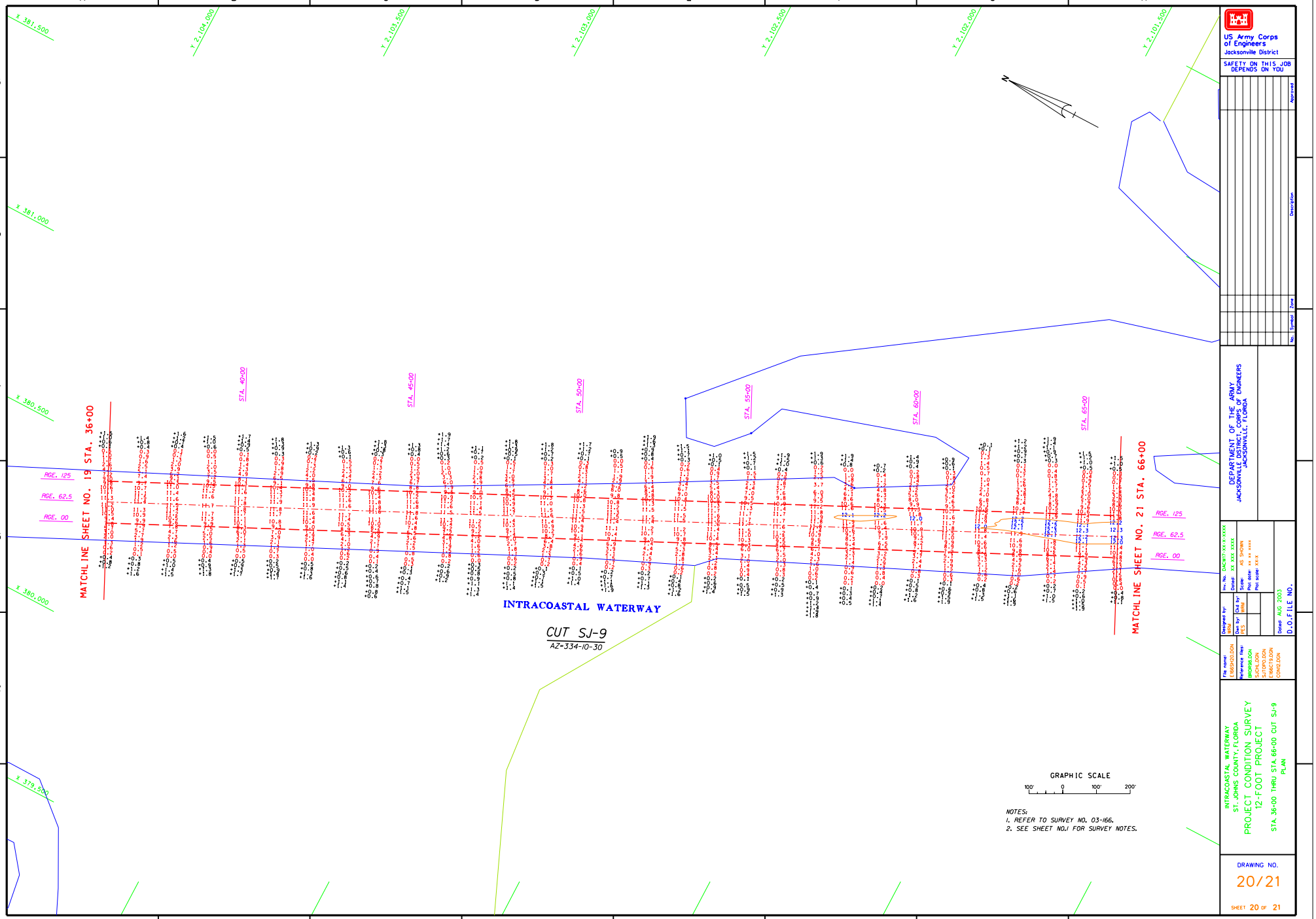

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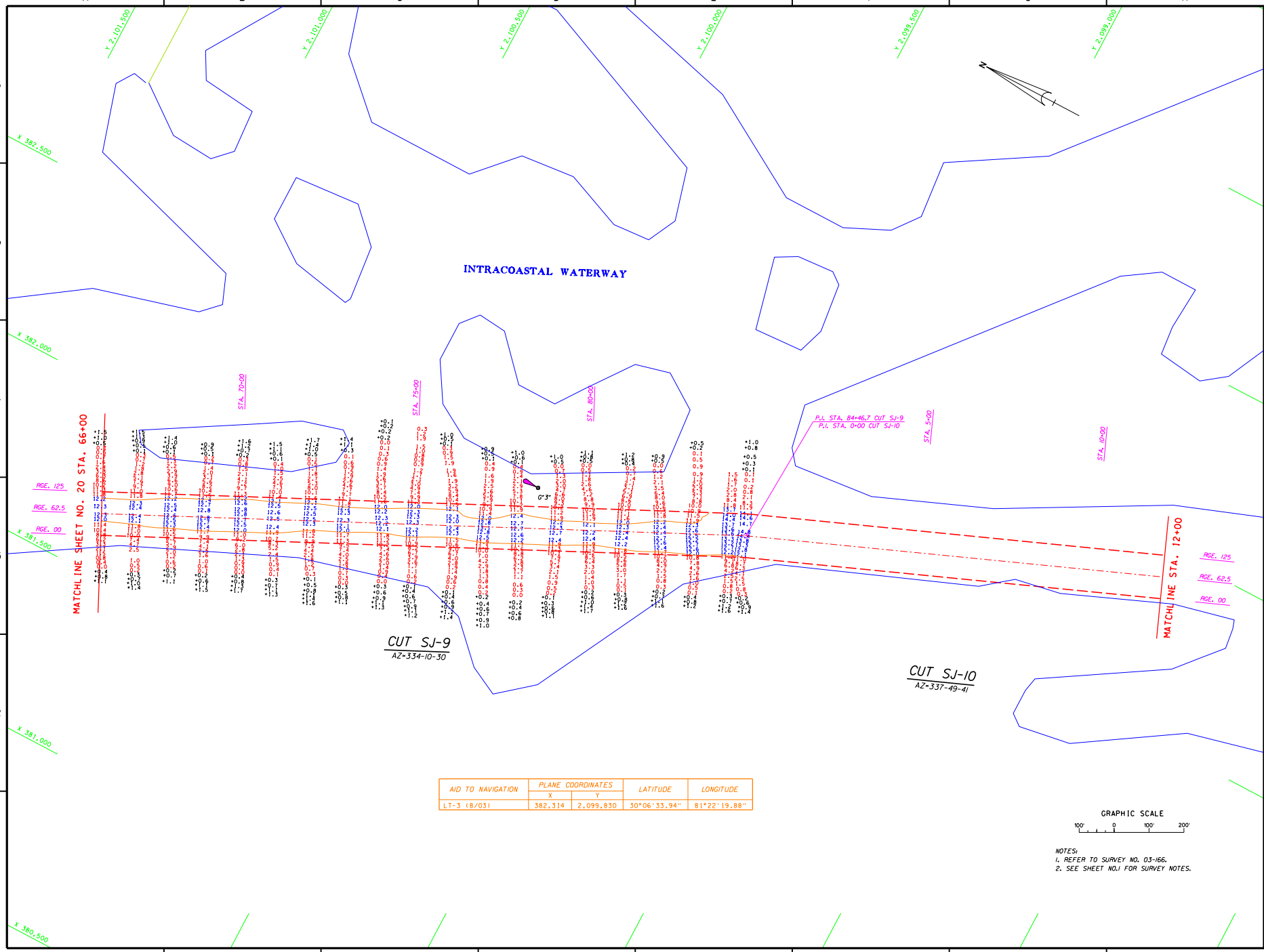

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (8/03)	382,314	2,099,830	30°06'33.94"	81°22'19.88"

NOTES:
1. REFER TO SURVEY NO. 03-166.
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	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: WRM
Dwn by: PES
Ckd by: WRM
Dated: AUG 2003
D.O. FILE NO.

File name: E166SH21.DGN
Reference files: BRDR98.DGN S-JCIL.DGN S-JTOPO.DGN E166CT9.DGN CON12.DGN E166NAV.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 66+00 CUT SJ-9 THRU STA. 12+00 CUT SJ-10
PLAN

DRAWING NO.
21/21

SHEET 21 OF 21

...\IWW_SJ\e166pcs\e166sh21.dgn 10/16/2003 10:21:49 AM