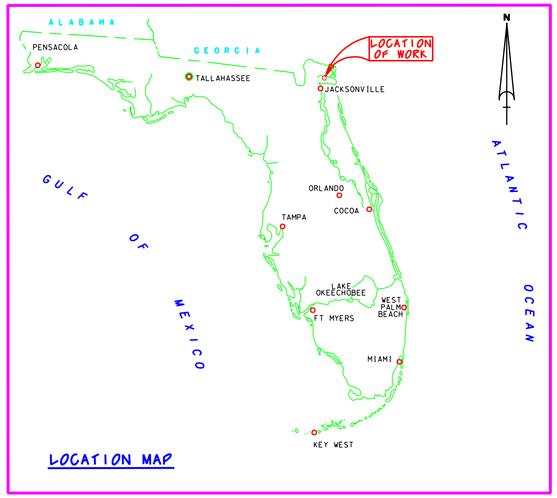
ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY



LOCATION MAP

SURVEY NOTES:

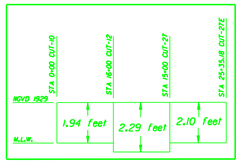
1. REFER TO SURVEY NO. 04-054.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW). REFER TO DATUM TABLES ON THIS SHEET FOR DIFFERENCES FROM NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM MULTIPLE BENCHMARKS. REFER TO SURVEY TABULATION SHOWN ON THIS SHEET.
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. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. 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, 1 JAN 02.

SURVEY TABULATION

VESSEL	AREA SURVEYED	DATE SURVEYED	STAFF LOCATION	BENCHMARK
WB-34	CUT-17 THRU 26A	14-15 APR 04	ON WOODEN PILING RDB-50	IWDU-156
WB-34	CUT-27	22 APR 04	ON WOODEN PILING LT-61	IWDU-152
WB-34	CUT-27A THRU 27C	27 APR 04	ON WOODEN PILING LT-47	IWDU-121A

LEGEND

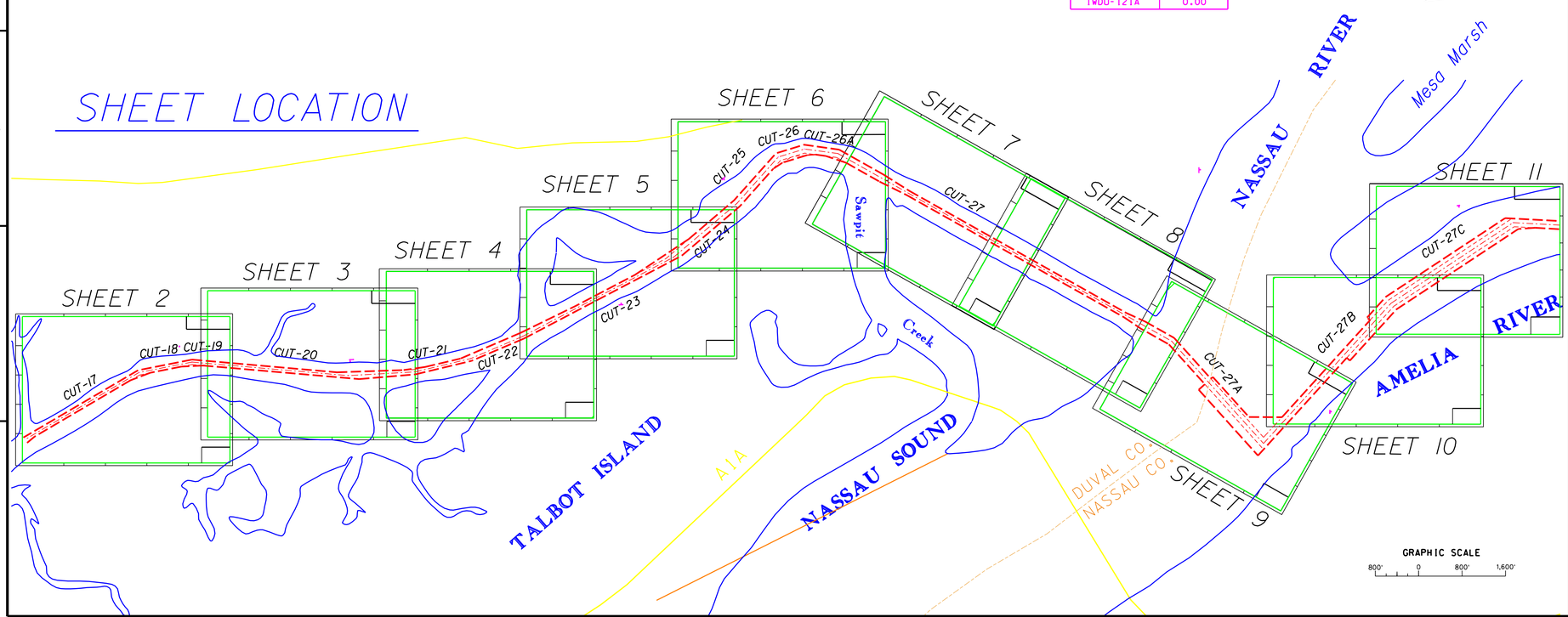
+BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF



Relationship between NGVD 1929 and Mean Low Water

BENCHMARK	NGVD ELEV. (FT)
IWDU-152	4.18
IWDU-156	4.29
IWDU-121A	0.00

SHEET LOCATION



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

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

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

Dated: APR 2004
D.O.FILE NO.

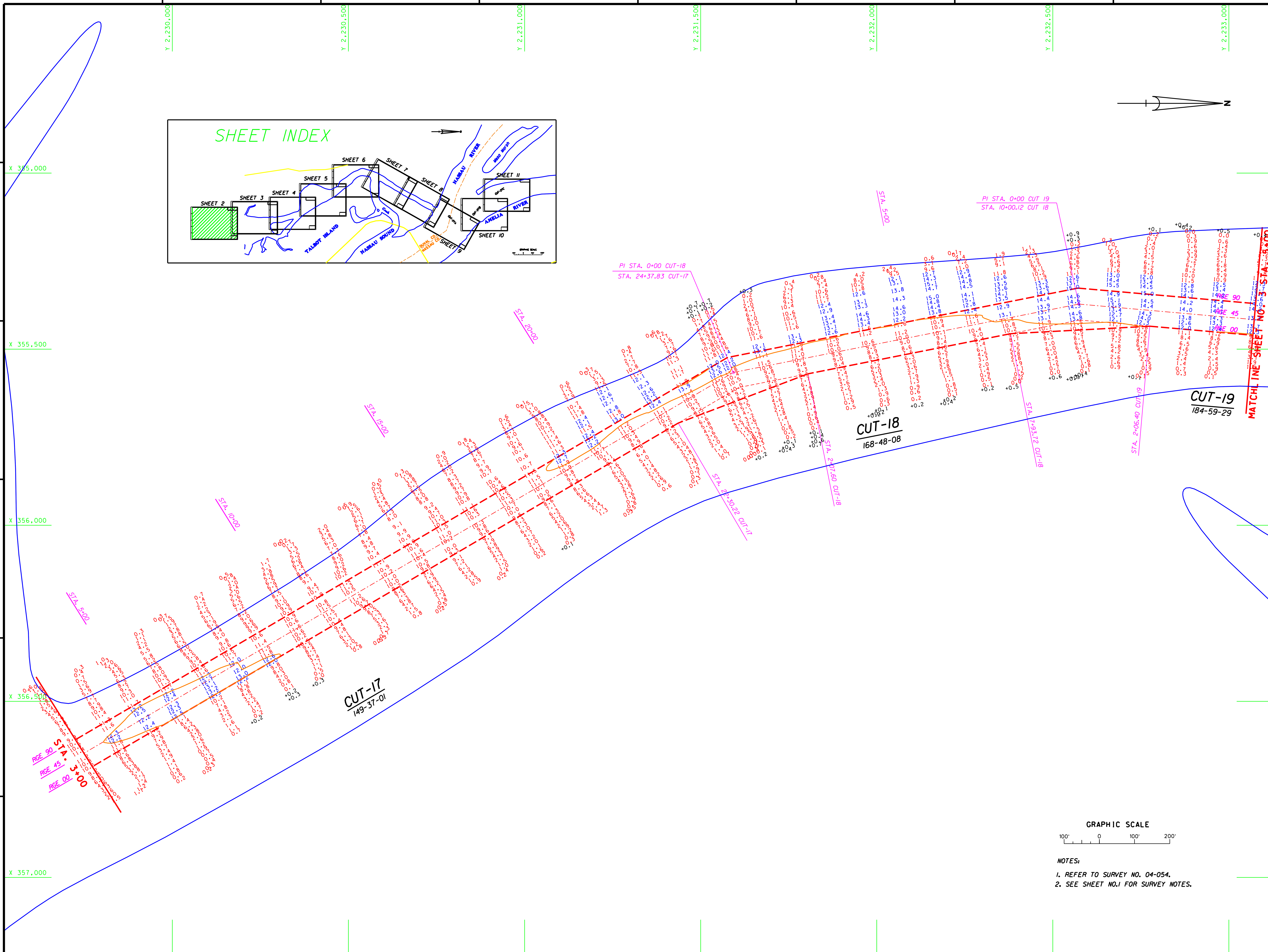
File name: F054SH01.DGN
Reference files: BRDPKG.DGN
HORIZ-CONTROL.DGN
ANTRNCE.DGN
NEWETLMAP.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
CUT-17 THROUGH CUT-27C
PLAN

DRAWING NO.
1/11

SHEET 1 OF 11

.../AIWW/f054pcs/f054sh01.dgn 04/29/2004 03:54:06 PM



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DEPARTMENT OF THE ARMY
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JACKSONVILLE, FLORIDA

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

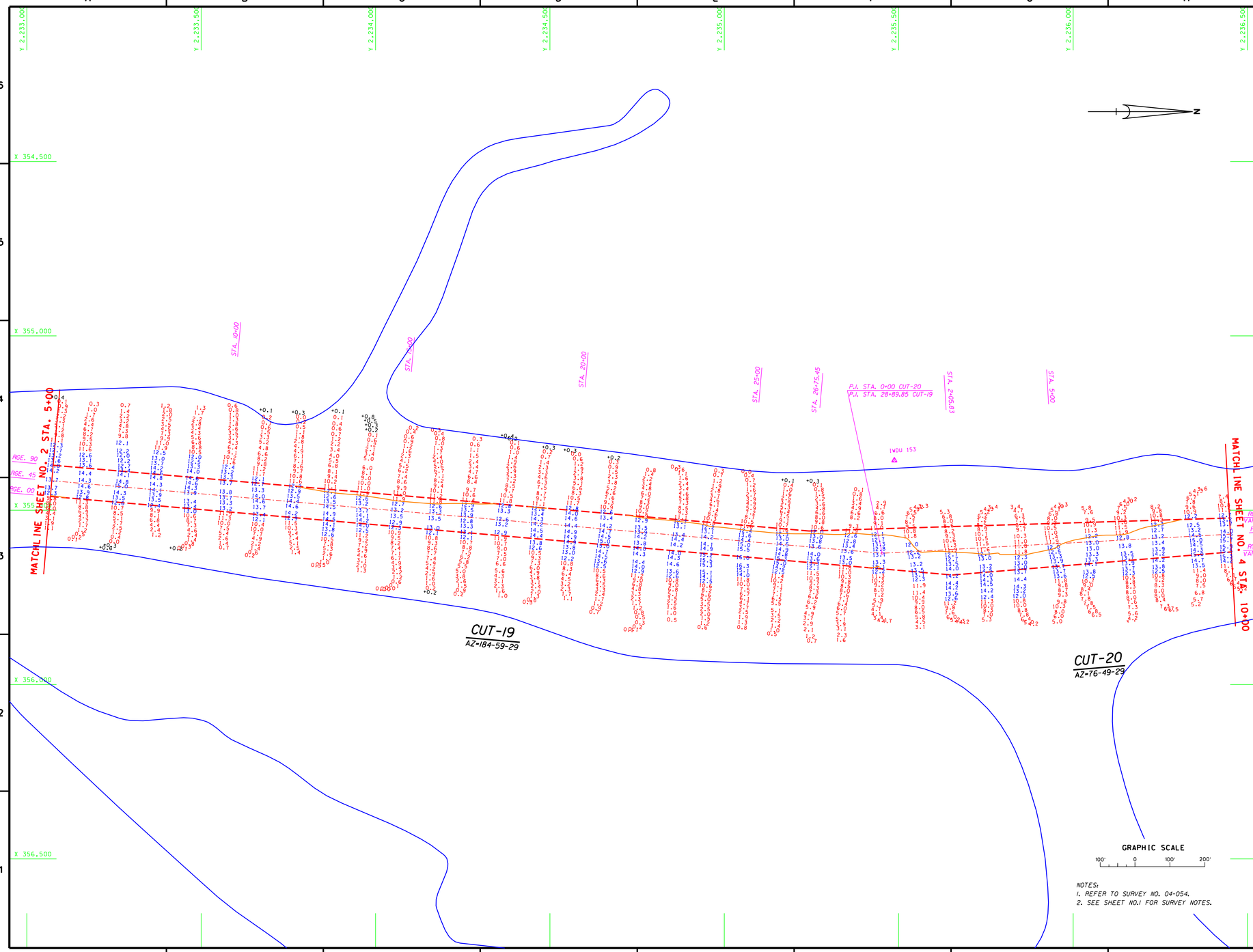
Designed by:
Dwn by: WRM
Ckd by: WRM

Dated: APR 2004
D.O.FILE NO.

File name: F054SH02.DGN
Reference files: BRDR98.DGN AWWNEW.DGN AWWTOPO.DGN F054C17.DGN F054C18.DGN F054C19.DGN F054CON.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 3+00 CUT-17 THRU STA. 5+00 CUT-19
PLAN

DRAWING NO.
2/11
SHEET 2 OF 11



NOTES:
1. REFER TO SURVEY NO. 04-054.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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JACKSONVILLE, FLORIDA

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

Designed by: MRN
Dwn by: MRN
Ckd by: MRN
Dated: APR 2004
D.O.FILE NO.

File name: F054SH03.DGN
Reference files: BRDRXS.DGN
BRDRXL.DGN
AWWTOPO.DGN
F054C19.DGN
F054C20.DGN
F054CON.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA.5+00 CUT-19 THRU STA.10+00 CUT-20
PLAN

DRAWING NO.
3/11

SHEET 3 OF 11

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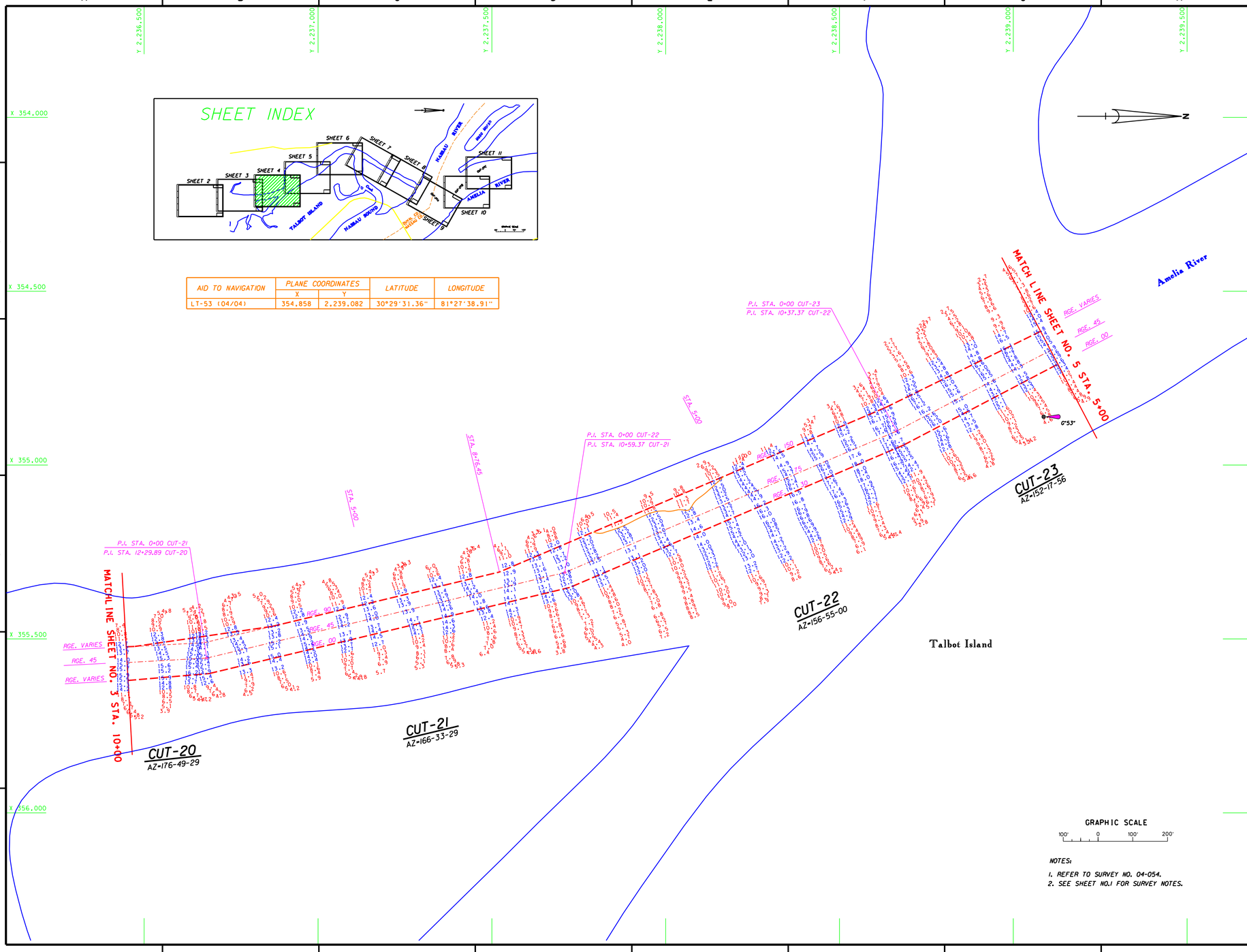

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-53 (04/04)	354.858	2,239.082	30°29'31.36"	81°27'38.91"

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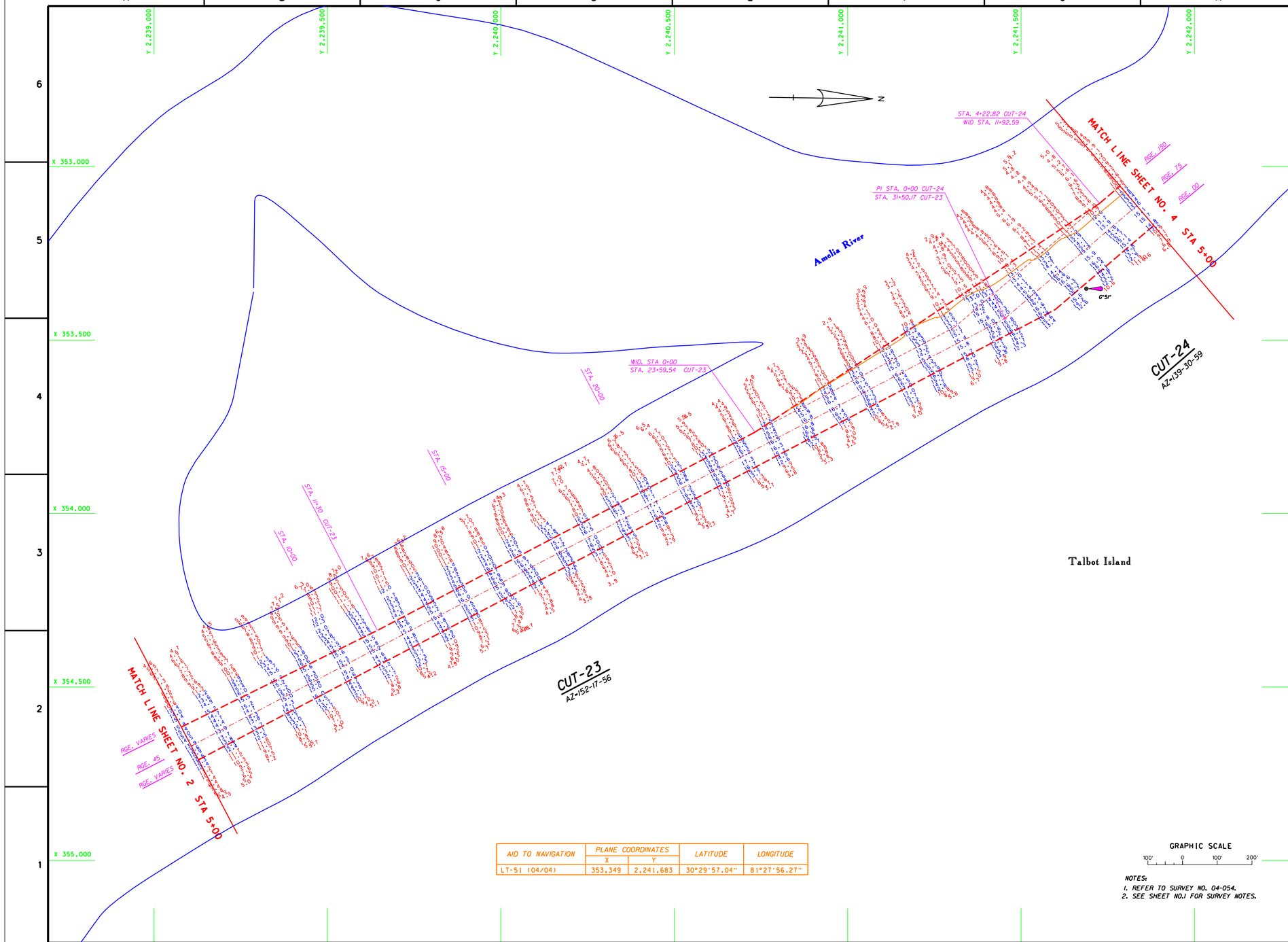

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-51 (04/04)	353,349	2,241,683	30°29'57.04"	81°27'56.27"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 04-054.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone	Description	Approved

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JACKSONVILLE, FLORIDA

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

Designed by: DCS/SJS
Dwn by: RRM
Ckd by: RRM
Dated: APR 2004
D.O.F.ILE NO.

File name: F054SH05.DGN
Reference files: AWWTOPO.DGN AWWBASE.DGN F054C13.DGN F054H01.DGN F054CON.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA

PROJECT CONDITION SURVEY
12-FOOT PROJECT
A/S 1 (CUT-23 THRU CUT-24)
PLAN

DRAWING NO.
5/11

SHEET 5 OF 11

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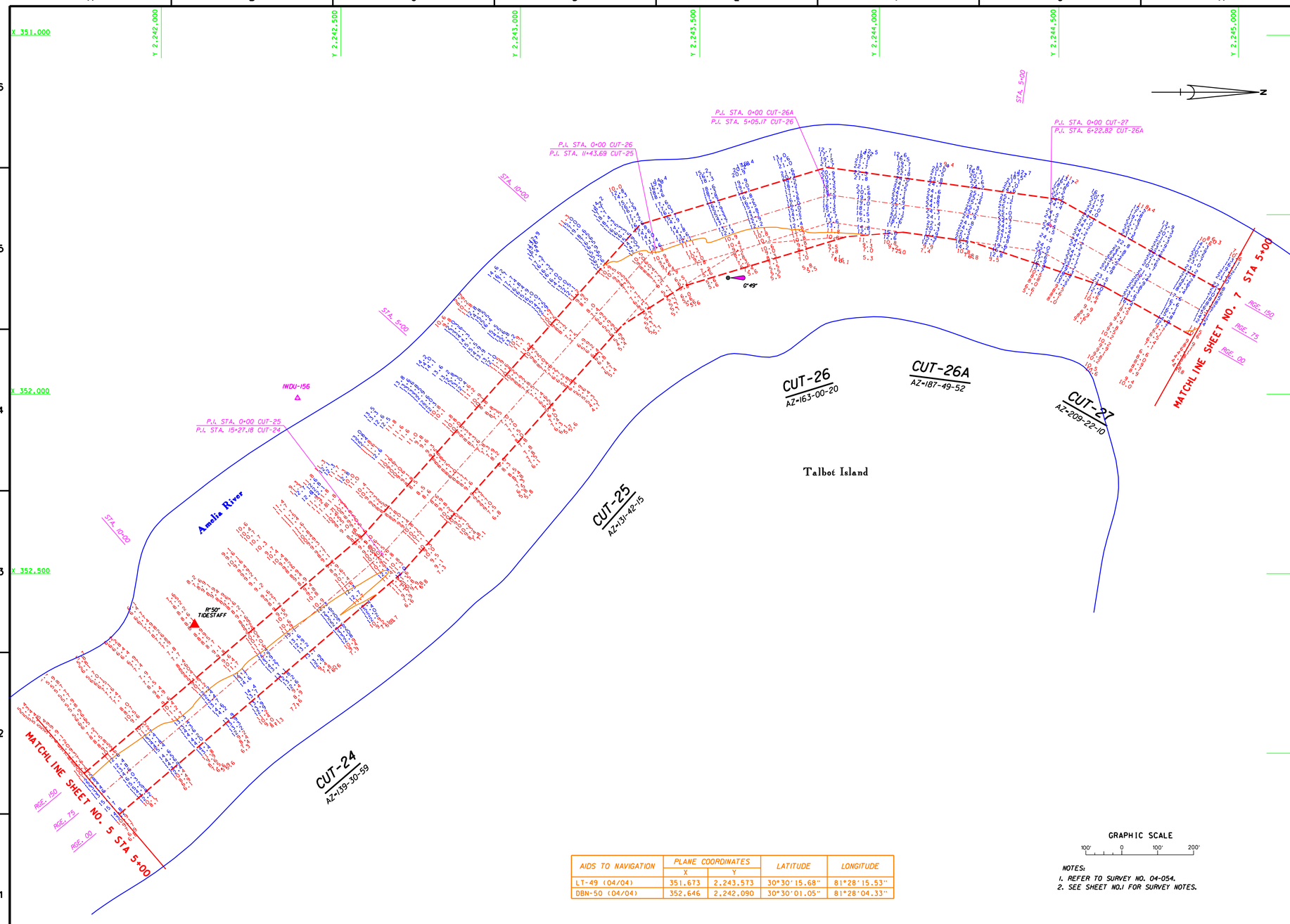

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-49 (04/04)	351,673	2,243,573	30°30'15.68"	81°28'15.53"
DBN-50 (04/04)	352,646	2,242,090	30°30'01.05"	81°28'04.33"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 04-054.
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
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JACKSONVILLE, FLORIDA

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

Designed by: RTG
Dwn by: RTG
Ckd by: RDN
Dated: APR 2004
D.O.F ILE NO.

File name: F054SH06.DGN
Reference files: AWWNCB.DGN F054CS01.DGN F054CS24.DGN F054CS25.DGN F054CS26.DGN F054CS27.DGN F054CONL.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA.5-00 CUT-24 THRU STA.5-00 CUT-27
PLAN

DRAWING NO.
6/11

SHEET 6 OF 11

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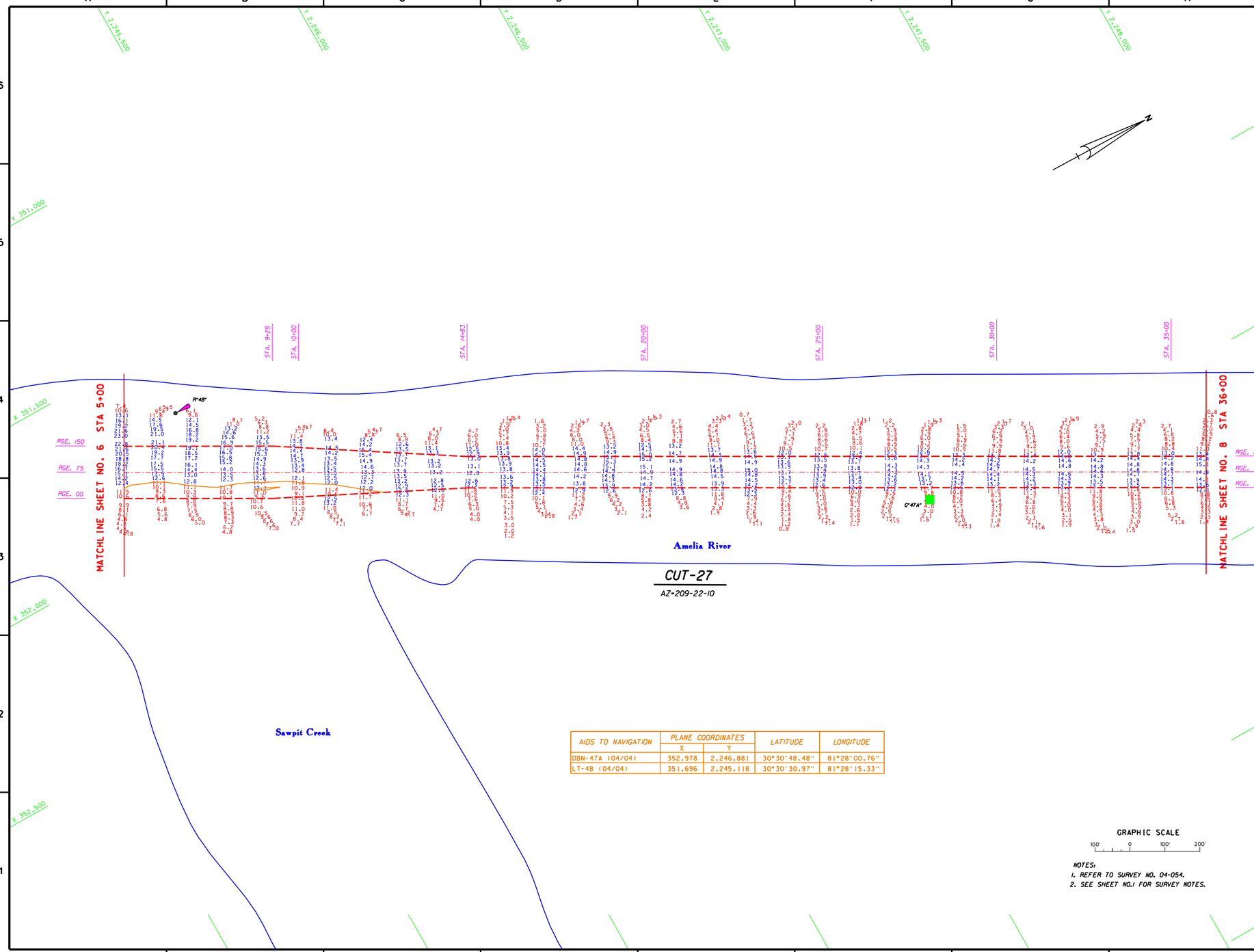

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-47A (04/04)	352,978	2,246,881	30°30'48.48"	81°28'00.76"
LT-48 (04/04)	351,696	2,245,118	30°30'30.97"	81°28'15.33"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-054.
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
Dsign: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX X
Designed by: WMW
Dwn by: WMW
Ckd by: WMW
Dated APR 2004
D.O.F.ILE NO.

File name: f054sh07.DGN
Reference files: GRIDMAP.DGN f054sh01.DGN f054sh02.DGN f054sh03.DGN f054sh04.DGN f054sh05.DGN

ATLANTIC INTRACOASTAL WATERWAY
VICINITY OF SAWPIT CREEK, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 5+00 CUT-27 THRU STA. 23+00 CUT-27
PLAN

DRAWING NO.
7/11

SHEET 7 OF 11

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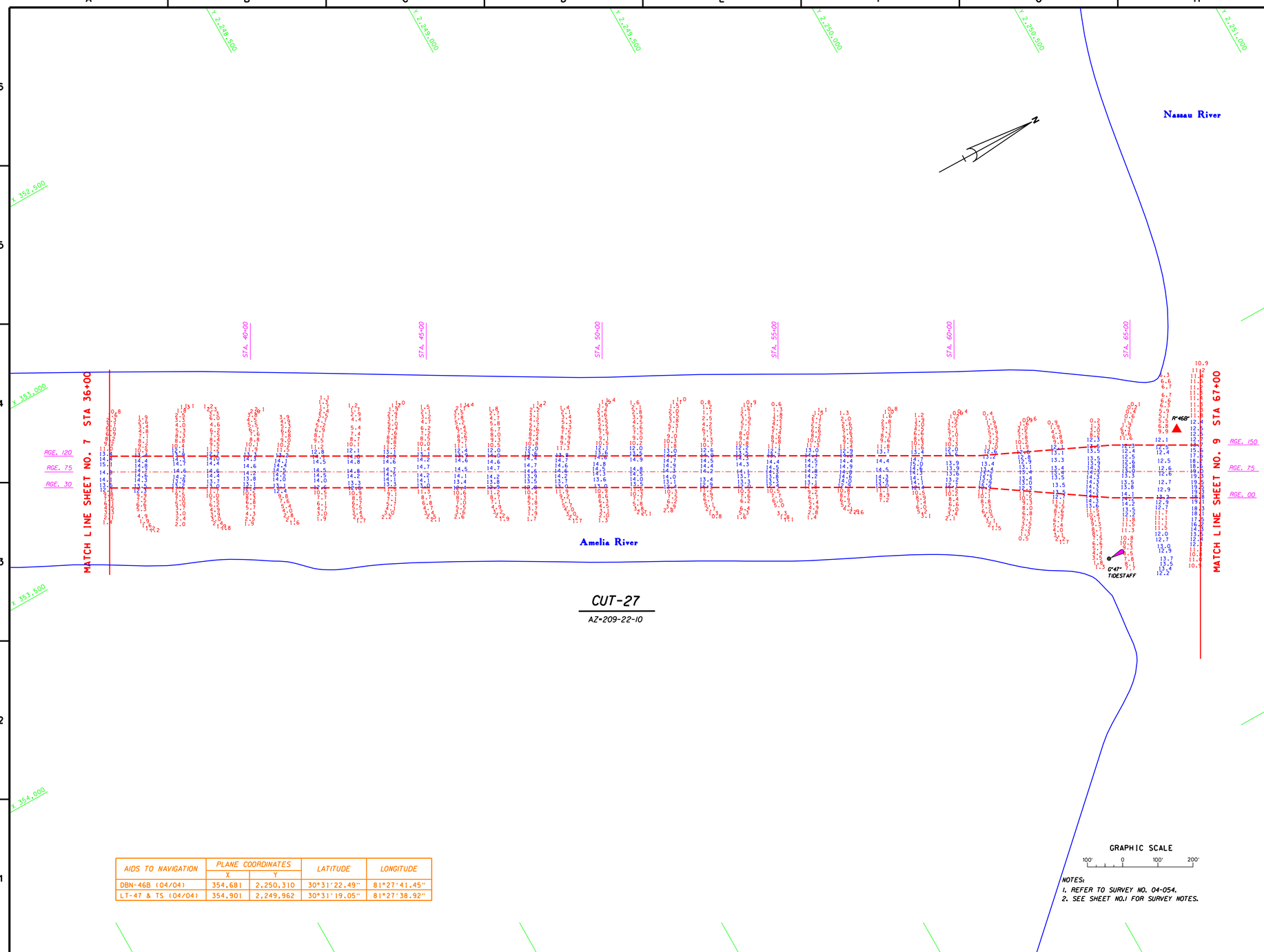

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-46B (04/04)	354,681	2,250,310	30°31'22.49"	81°27'41.45"
LT-47 & TS (04/04)	354,901	2,249,962	30°31'19.05"	81°27'38.92"

NOTES:
1. REFER TO SURVEY NO. 04-054.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
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No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
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JACKSONVILLE, FLORIDA

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

Designed by: WRM
Dwn by WRM
Ckd by WRM
Dated APR 2004
D.O.F.ILE NO.

File name: f054sh08.DGN
References: AIWWNC.DGN AIWWTOPO.DGN f054ca22.DGN f054bam.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 36+00 CUT-27 THRU STA. 67+00 CUT-27
PLAN

DRAWING NO.
8/11

SHEET 8 OF 11

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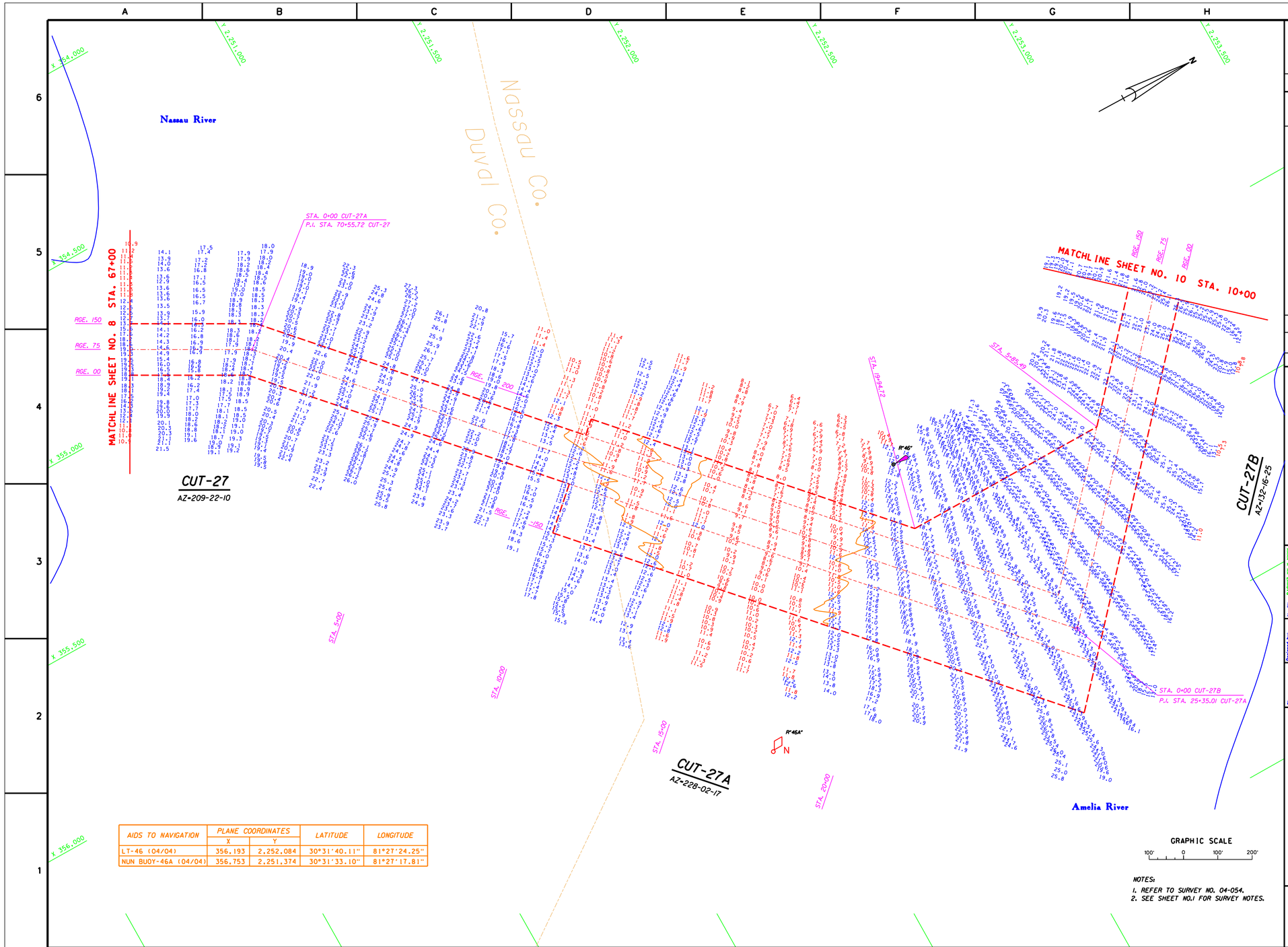

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-46 (04/04)	356,193	2,252,084	30°31'40.11"	81°27'24.25"
NUN BUOY-46A (04/04)	356,753	2,251,374	30°31'33.10"	81°27'17.81"

NOTES:

1. REFER TO SURVEY NO. 04-054.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone	Description	Approved

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JACKSONVILLE, FLORIDA

Inv. No. DACW17-XX-X-XXXX
Dwgs. XX XXX XXXX
AS SHOWN
Scale:
Plot date: XX XX XXXX
Plot scale: 30X36

Designed by: WRW
Dwn by: WRW
Ckd by: WRW

Dated: APR 2004
D.O.F.FILE NO.

File name: f054sh09.DGN
References (files): f054sh01.DGN
f054ac127.DGN
f054ac122.DGN
f054ac125.DGN
f054ac126.DGN
f054ac128.DGN
f054ac129.DGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA

PROJECT CONDITION SURVEY
12-FOOT PROJECT

STA. 67+00 CUT-27 THRU STA. 10+00 CUT-27B

PLAN

DRAWING NO.
9/11

SHEET 9 OF 11

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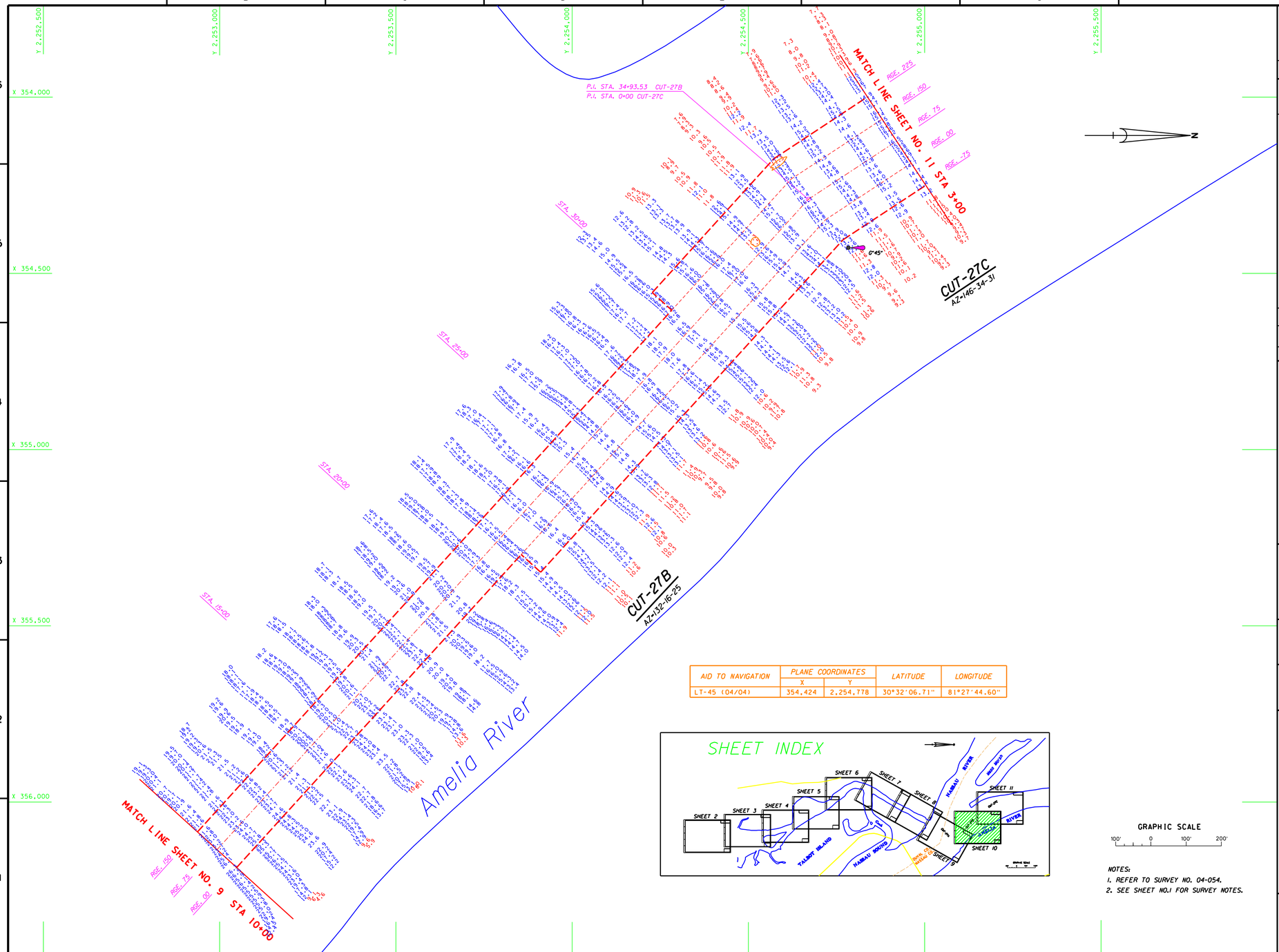

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-45 (04/04)	354,424	2,254,778	30°32'06.71"	81°27'44.60"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 04-054.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone	Description	Approved

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

Designed by: RTG/P
Dwn by: RTG/P
Chk by: HDM
Dated: APR 2004
D.O.F.ILE NO.

File name: F054SH10.DGN
Reference files: BORDER.DGN AWNW2B.DGN F054CT27A.DGN F054CT27B.DGN F054CT27C.DGN F054CONTOUR.DGN F054CONLOGN

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 10+00 CUT-27B THRU STA. 3+00 CUT-27C
PLAN

DRAWING NO.
10/11

SHEET 10 OF 11

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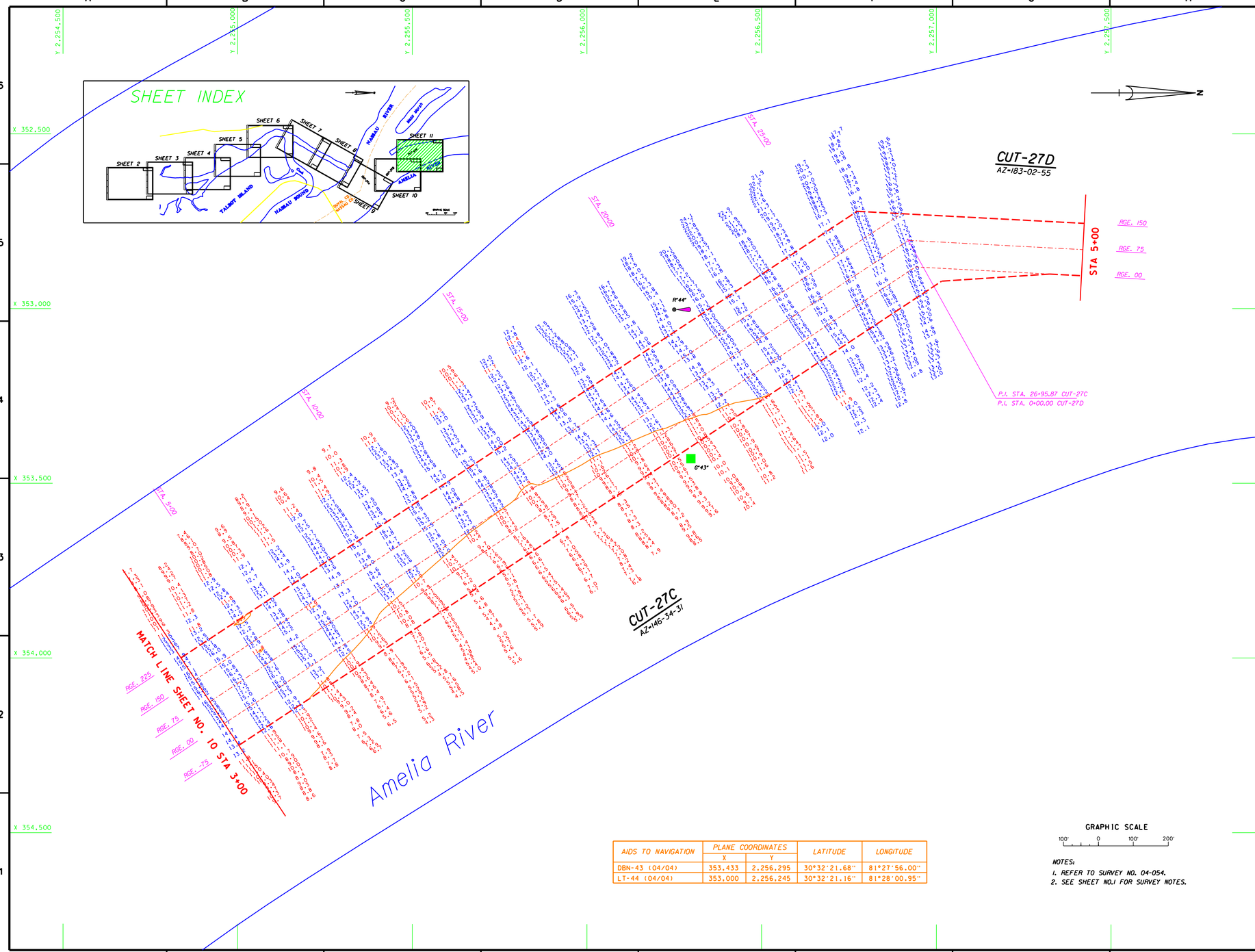

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-43 (04/04)	353,433	2,256,295	30°32'21.68"	81°27'56.00"
LT-44 (04/04)	353,000	2,256,245	30°32'21.16"	81°28'00.95"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 04-054.
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

Designed by: | Drawn by: MRV | Chk by: MRV | Inv. No. DACW17-XX-X-XXXX | Date: XX XXX XXXX | Scale: AS SHOWN | Plot date: XX XX XXXX | Plot scale: 20.0:1 | Dated: APR 2004 | D.O.FILE NO.

File name: f054sh11.dgn
Reference files: BNDRY01.DGN BNDRY02.DGN AIWW1DPC2.DGN F054UAV1.DGN F054UAV2.DGN F054CONDLOR

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT DEPTH
STA.3+00 CUT-27C THRU STA.5+00 CUT-27D
PLAN

DRAWING NO.
11/11

SHEET 11 OF 11

.../AIWW/f054pcs/f054sh11.dgn 04/29/2004 03:57:50 PM