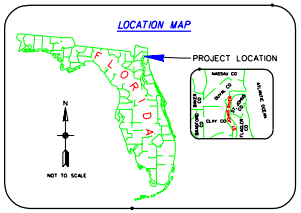
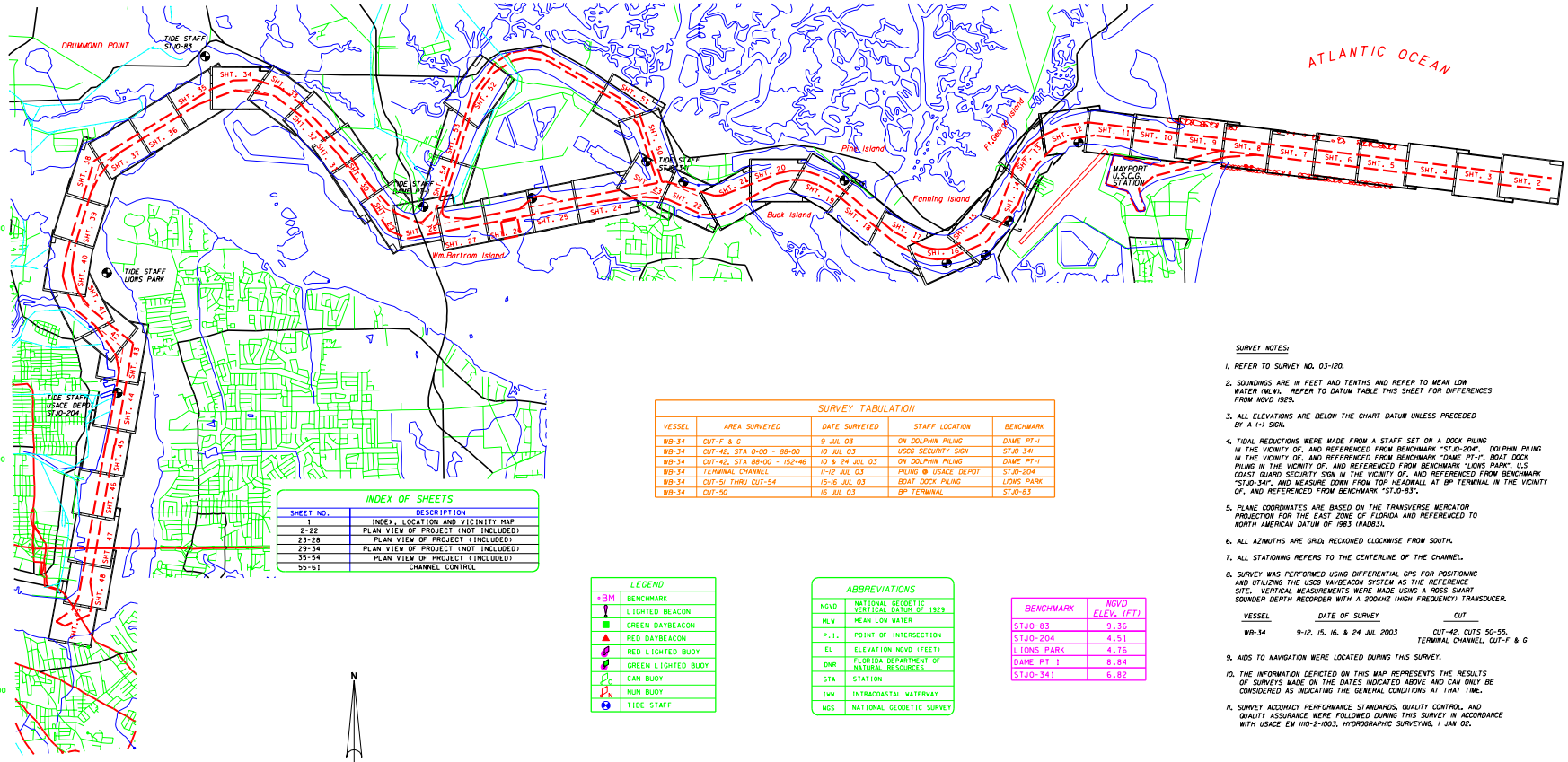
JACKSONVILLE HARBOR, FLORIDA

PROJECT CONDITION SURVEY

AUTHORIZED PROJECT DEPTH	
42-FT ----	CUT-3 (BAR CUT), STA. 0+00 THRU STA. 210+00 (INTERSECTION MAYPORT NAVY ENTRANCE CHANNEL).
40-FT ----	CUT-3 (BAR CUT) STA. 210+00 THRU CUT-50, STA. 6+53 - DRUMMOND POINT.
38-FT ----	CUT-50, STA 6+53 THRU TERMINAL CHANNEL, STA. 64+56.
34-FT ----	TERMINAL CHANNEL, STA. 64+56 THRU STA. 186+21 (APPROX. 1200 FEET UPSTREAM FROM THE HART BRIDGE NEAR COMMODORE POINT).
30-FT ----	TERMINAL CHANNEL, STA. 186+21 CONTINUING UPSTREAM TO FEC RAILWAY BRIDGE AT JACKSONVILLE.
38-FT ----	OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 10+00 - NEAR WOODEN FISHING BRIDGE PIER THRU INTERSECTION OF CUT-42 (DAMES PT.-FULTON CUT-OFF).

LOCATION MAP





INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	INDEX, LOCATION AND VICINITY MAP
2-22	PLAN VIEW OF PROJECT (NOT INCLUDED)
23-28	PLAN VIEW OF PROJECT (INCLUDED)
29-34	PLAN VIEW OF PROJECT (NOT INCLUDED)
35-54	PLAN VIEW OF PROJECT (INCLUDED)
55-61	CHANNEL CONTROL

SURVEY TABULATION

VESSEL	AREA SURVEYED	DATE SURVEYED	STAFF LOCATION	BENCHMARK
WB-34	CUT-F & G	9 JUL 03	ON DOLPHIN PILING	DAME PT-1
WB-34	CUT-42, STA 0+00 - 88+00	10 JUL 03	USCG SECURITY SIGN	STJO-341
WB-34	CUT-42, STA 88+00 - 152+46	10 & 24 JUL 03	ON DOLPHIN PILING	DAME PT-1
WB-34	TERMINAL CHANNEL	11-12 JUL 03	PILING @ USACE DEPOT	STJO-204
WB-34	CUT-51 THRU CUT-54	15-16 JUL 03	BOAT DOCK PILING	LIONS PARK
WB-34	CUT-50	16 JUL 03	BP TERMINAL	STJO-83

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

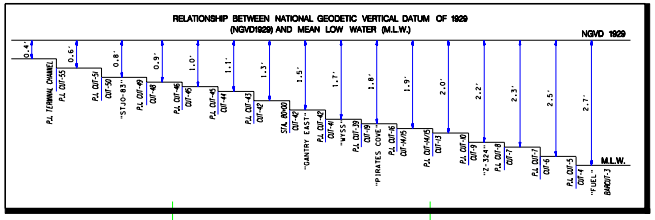
ABBREVIATIONS	
NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
MLW	MEAN LOW WATER
P.I.	POINT OF INTERSECTION
EL	ELEVATION NGVD (FEET)
DNR	FLORIDA DEPARTMENT OF NATURAL RESOURCES
STA	STATION
IWW	INTRACOASTAL WATERWAY
NGS	NATIONAL GEODETIC SURVEY

BENCHMARK	NGVD ELEV. (FT)
STJO-83	9.36
STJO-204	4.51
LIONS PARK	4.76
DAME PT 1	8.84
STJO-341	6.82

GRAPHIC SCALE

3000' 0 3000' 6000'

RELATIONSHIP BETWEEN NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD1929) AND MEAN LOW WATER (M.L.W.)



SURVEY NOTES:

1. REFER TO SURVEY NO. 03-120.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW). REFER TO DATUM TABLE 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 A STAFF SET ON A DOCK PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "STJO-204", DOLPHIN PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "DAME PT-1", BOAT DOCK PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "LIONS PARK", U.S COAST GUARD SECURITY SIGN IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "STJO-341", AND MEASURE DOWN FROM TOP HEADWALL AT BP TERMINAL IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "STJO-83".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
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 RAYBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	9-12, 15, 16, & 24 JUL 2003	CUT-42, CUTS 50-55, TERMINAL CHANNEL, CUT-F & G

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.

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

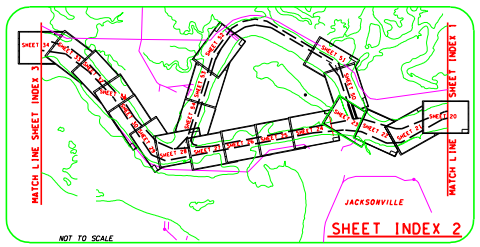
Designed by: PES
Drawn by: PES
Checked by: MHW
Inv. No.
Dated: AS SHOWN
Scale:
Plot date: XX XXX XXXX
Plot scale: 1 = XXXX
Dated: JUL 2003
D.O.F FILE NO.

File name: E2003A01.DGN
Reference files: BASE.DGN, LOCATION.DGN, LAYBASE.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
30, 34, 38 & 40-FOOT PROJECT
COVER, INDEX AND PLAN SHEET
PLAN

DRAWING NO.
1/25

SHEET 1 OF 61



ST. JOHNS RIVER

BACK RIVER

MATCHLINE SHEET NO. 50 STA. 14+00

MATCHLINE SHEET NO. 24 STA. 13+00

MATCHLINE SHEET NO. 22 STA. 19+00

CUT-A
AZ=161-45-23

CUT-42
AZ=79-14-02

CUT-41
AZ=103-51-31

P.I. STA. 0+00 CUT-42
STA. 33+94.49 CUT-41

STA. 0+00

STA. 5+00

STA. 28+40.38

STA. 24+56.23

STA. 0+32.50

R=38'

R=36'

R=37'

RGE. -237.5

RGE. 00

RGE. 237.5

RGE. VARIES

RGE. -150

RGE. 00

RGE. 150

RGE. -300

RGE. 00

RGE. 300

RGE. 420.97

APPROXIMATE SHORELINE

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-37 (7/03)	495,146	2,202,325	30°23'25.97"	81°30'38.53"
LT-36 (7/03)	495,621	2,203,277	30°23'35.41"	81°30'33.15"
LT-38 (7/03)	493,949	2,203,175	30°23'34.32"	81°30'52.24"

NGVD 1929

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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

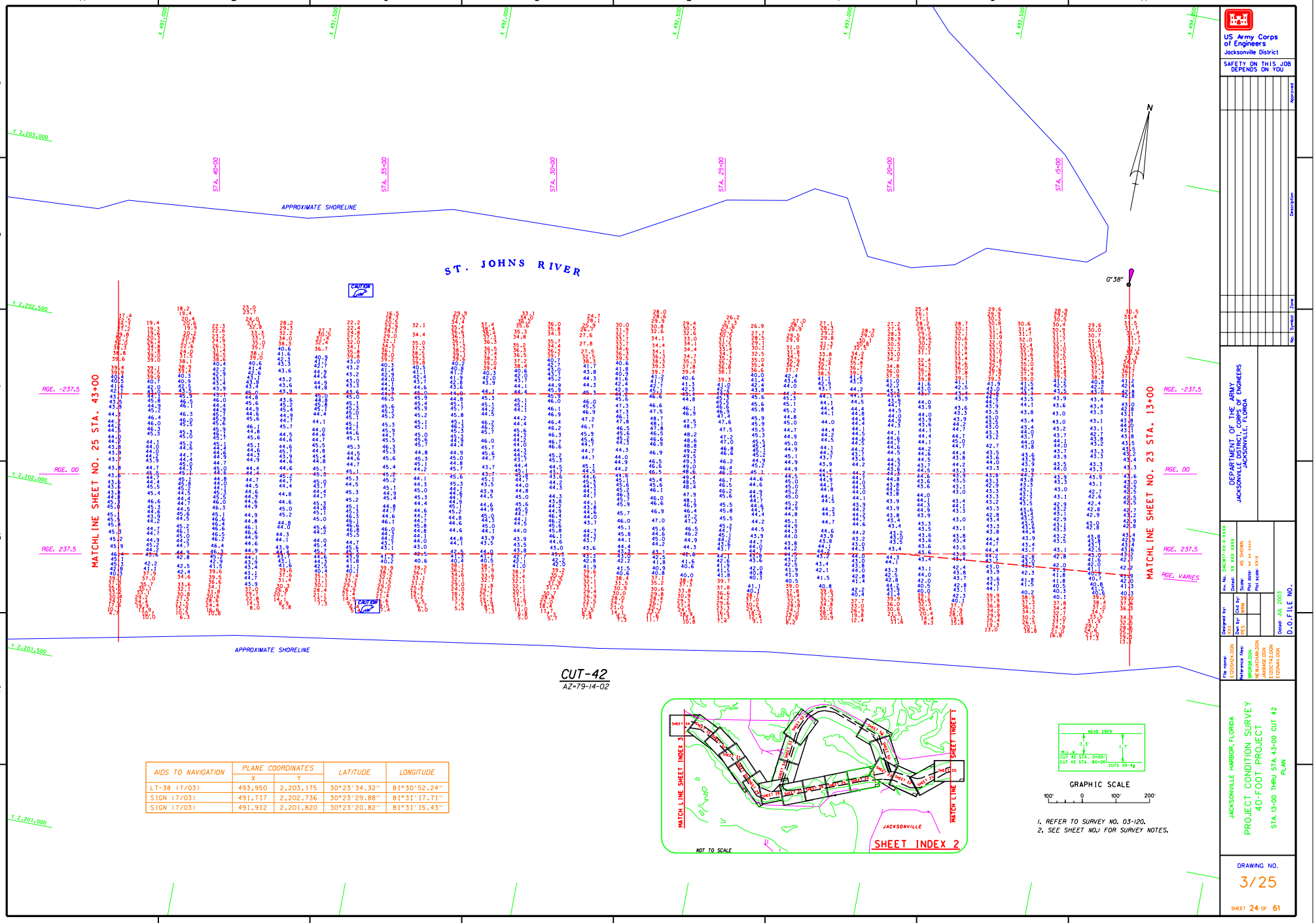
Designed by: RWM
Drawn by: DES
Checked by: RWM
Dated: JUL 2003
Rev. No.: DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX%
D.O.F FILE NO.

File name: E2DSP43.DGN
Reference files: BATHYMETRIC SURVEY, MAY 2003.DGN, LANDSAT.DGN, E2DOCT41.DGN, E2DOCT42.DGN, E2DRAIN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40-FOOT PROJECT
STA. 19+00 CUT 41 THRU STA. 13+00 CUT 42
PLAN

DRAWING NO.
2/25

SHEET 23 OF 61



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-38 (7/03)	493,950	2,203,175	30°23'34.32"	81°30'52.24"
SIGN (7/03)	491,717	2,202,736	30°23'29.88"	81°31'17.71"
SIGN (7/03)	491,912	2,201,820	30°23'20.82"	81°31'15.43"

1. REFER TO SURVEY NO. 03-120.
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

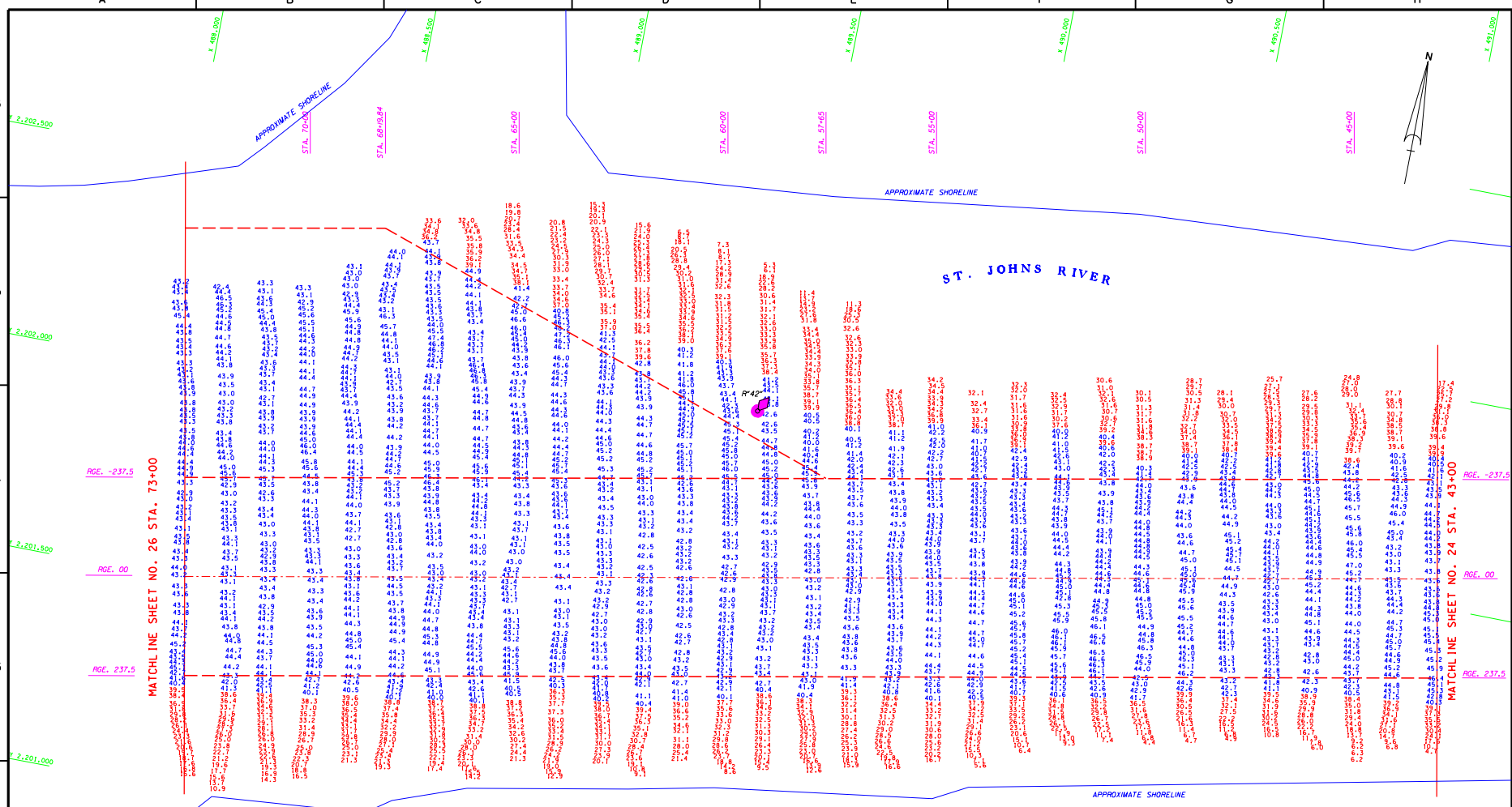
Designed by: DES
Drawn by: DES
Checked by: MMW
Rev. No.: DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
Dated: JUL 2003
D.O.F FILE NO.

File name: E2DSH24.DGN
Reference files: BNDRSE.DGN, E2DSH24.DGN, JAXBASE.DGN, E2DCT42.DGN, E2DRAIN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40-FOOT PROJECT
STA 13+00 THRU STA 43+00 CUT 42
PLAN

DRAWING NO.
3/25

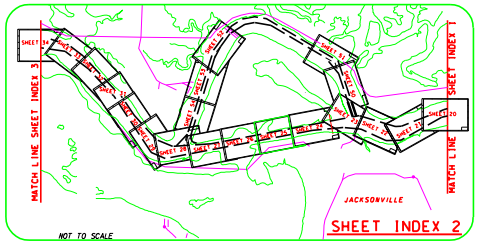
SHEET 24 OF 61

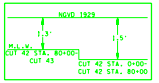


CUT-42

AZ=79-14-02

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-42 (7/03)	489,438	2,202,155	30°23'24.03"	81°31'43.70"





GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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
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JACKSONVILLE, FLORIDA

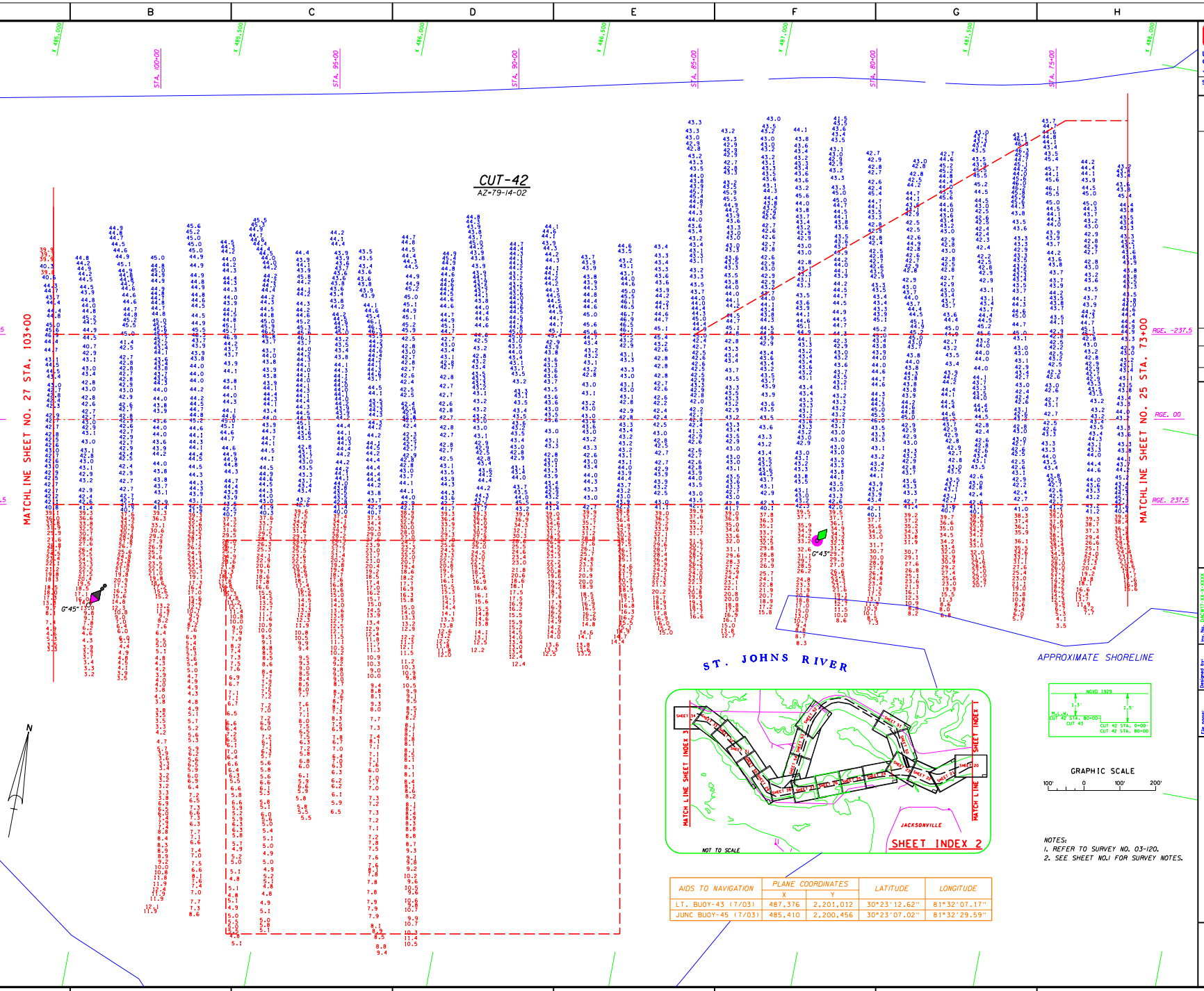
Rev. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX X

Designed by:
Drawn by: DCS
Check by: MHW
Dated: JUL 2003
D.O.FILE NO.

File name: E2CD5A8.DGN
Reference files: SEPTMSK.DGN
SEPTBASE.DGN
JAXBASE.DGN
E2CDCT42.DGN
E2CDMAN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40-FOOT PROJECT
STA. 43+00 THRU STA. 73+00 CUT 42
PLAN

DRAWING NO.
4/25
SHEET 25 OF 61



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-43 (7/03)	487,376	2,201,012	30°23'12.62"	81°32'07.17"
JUNC BUOY-45 (7/03)	485,410	2,200,456	30°23'07.02"	81°32'29.59"

NOTES:
1. REFER TO SURVEY NO. 03-120.
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

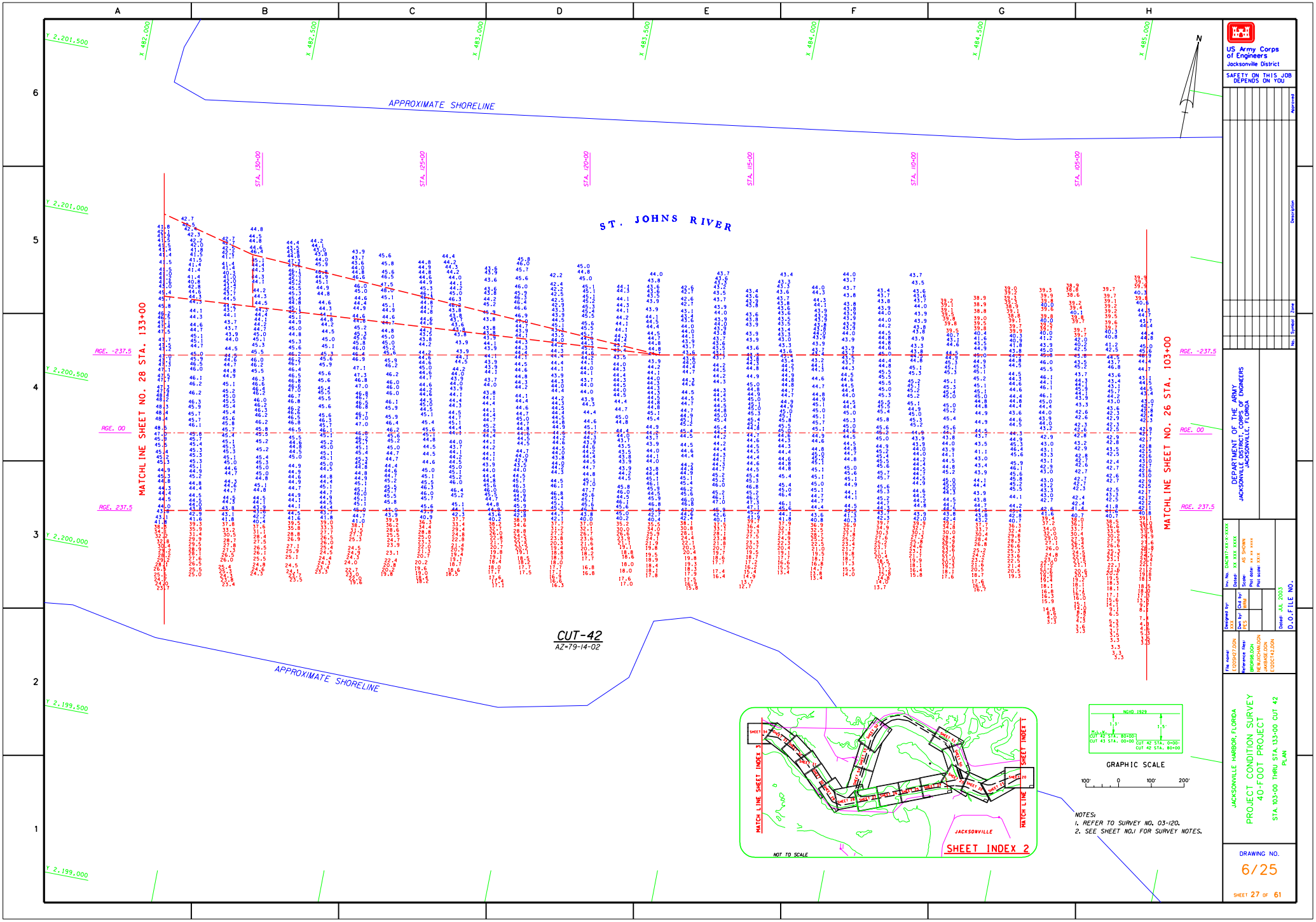
Drawing No. DACW17-XX-X-XXXX
Dataset: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX%
Dataset: JUL 2003
D.O.F.ILE NO.

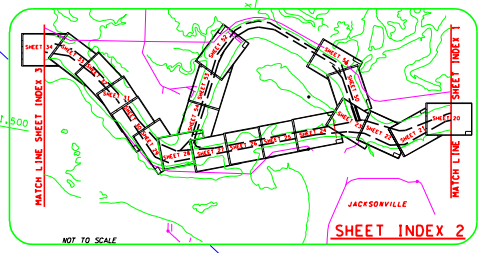
Designed by:
Drawn by: DES
Check by: MMW

File name: E2CDSHEE.DGN
Reference files: SEHOPHEE.DGN
SEHOPBAS.DGN
LAKEBASE.DGN
E2CDCT42.DGN
E2CDMAJ0.DGN
E2CDMIN1.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40-FOOT PROJECT
STA. 73+00 THRU STA. 103+00 CUT 42
PLAN

DRAWING NO.
5/25
SHEET 26 OF 61


A
B
C
D
E
F
G
H
1
2
3
4
5
6
X 482,000
X 482,500
X 483,000
X 483,500
X 484,000
X 484,500
X 485,000
Y 2,201,500
Y 2,201,000
Y 2,200,500
Y 2,200,000
Y 2,199,500
Y 2,199,000
APPROXIMATE SHORELINE
APPROXIMATE SHORELINE
ST. JOHNS RIVER
STA. 130+00
STA. 125+00
STA. 120+00
STA. 115+00
STA. 110+00
STA. 105+00
MATCHLINE SHEET NO. 28 STA. 133+00
MATCHLINE SHEET NO. 26 STA. 103+00
RGE. -237.5
RGE. 00
RGE. 237.5
CUT-42
AZ-79-14-02
N
MATCH LINE SHEET INDEX 3
SHEET INDEX 1
MATCH LINE
JACKSONVILLE
SHEET INDEX 2
NOT TO SCALE
NGVD 1929
1.5'
1.5'
CUT 42 STA. 80+00
CUT 43 STA. 00+00
CUT 42 STA. 0+00
CUT 42 STA. 80+00
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 03-120.
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
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40-FOOT PROJECT
STA 103+00 THRU STA 133+00 CUT 42
PLAN
DRAWING NO.
6/25
SHEET 27 OF 61



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (7/03)	481,458	2,201,879	30°23'20.92"	81°33'14.79"

US Army Corps of Engineers
Jacksonville District

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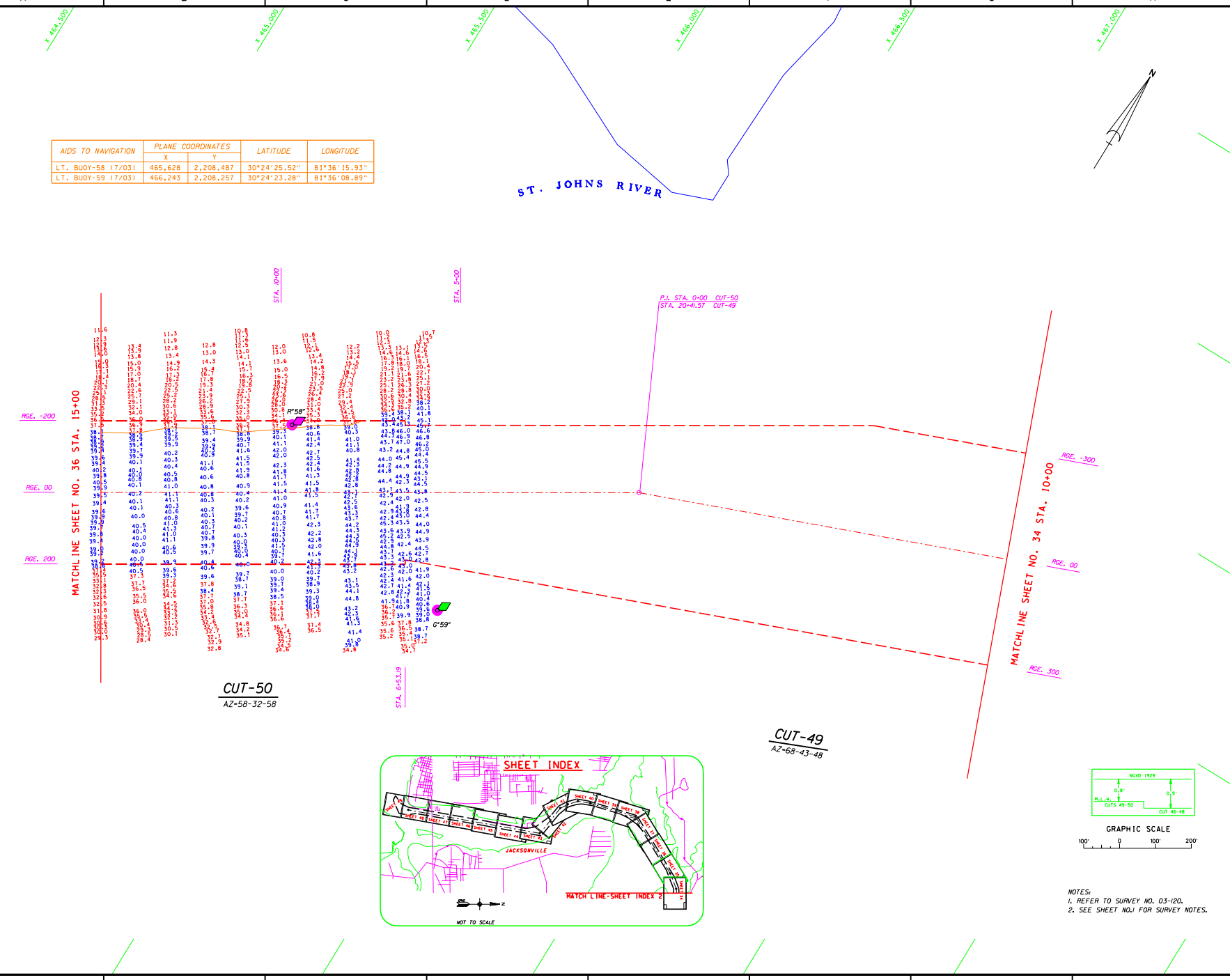
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38 & 40-FOOT PROJECT
STA 133+00 CUT-42 THRU STA 7+00 CUT-43
STA 70+00 THRU STA 89+71.32 CUT G
PLAN

DRAWING NO.
7/25

SHEET 28 OF 61

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-58 (7/03)	465,628	2,208,487	30°24'25.52"	81°36'15.93"
LT. BUOY-59 (7/03)	466,243	2,208,257	30°24'23.28"	81°36'08.89"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

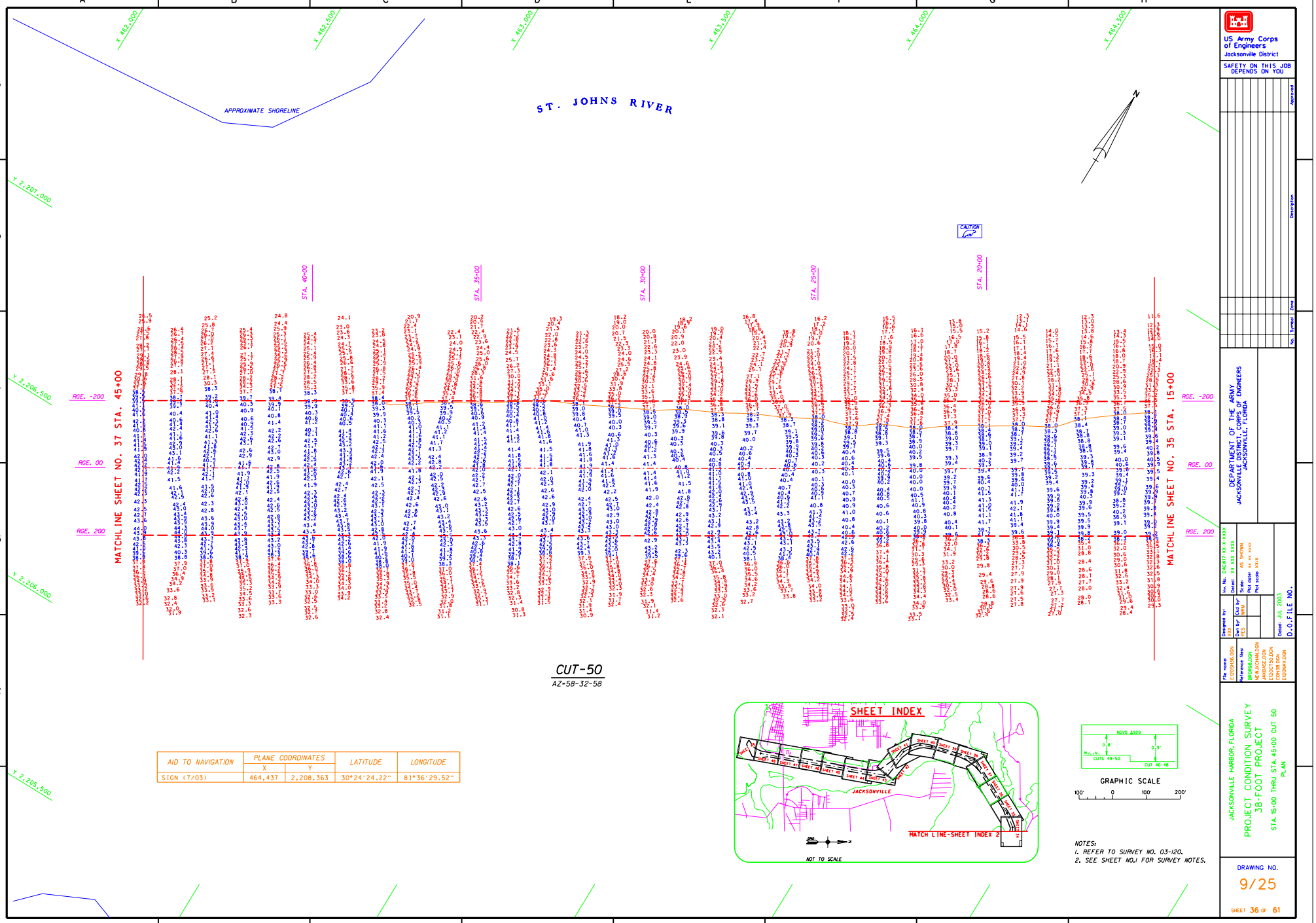
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: JU
Drawn by: RES
Checked by: MHW
Dated: JUL 2003
D.O.F. FILE NO.

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 10+00 CUT 49 THRU STA. 15+00 CUT 50
PLAN

DRAWING NO.
8/25

SHEET 35 OF 61



CUT-50
AZ=58-32-58

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (7/03)	464,437	2,208,363	30°24'24.22"	81°36'29.52"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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

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

Designed by: KES
Drawn by: KES
Check by: MHW

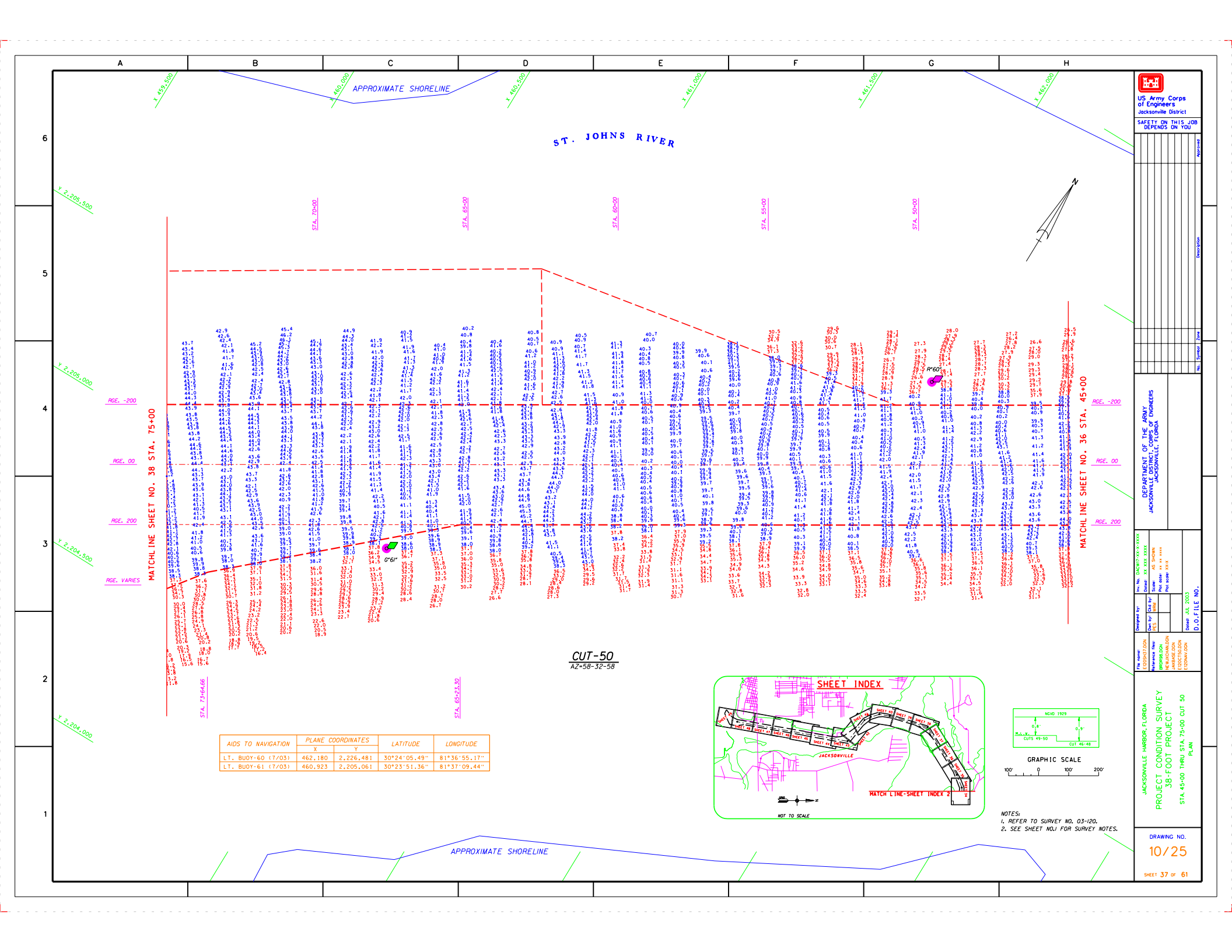
Dated: JUL 2003
D.O.F FILE NO.

File name: E2DSHEET.DGN
Reference files: SEAWALL.DGN, BASE_ROCK.DGN, LANDUSE.DGN, E2DCUT50.DGN, CONSTR.DGN, E2DRAIN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 15+00 THRU STA. 45+00 CUT 50
PLAN

DRAWING NO.
9/25

SHEET 36 OF 61



CUT-50
AZ-58-32-58

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-60 (7/03)	462,180	2,226,481	30°24'05.49"	81°36'55.17"
LT. BUOY-61 (7/03)	460,923	2,205,061	30°23'51.36"	81°37'09.44"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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

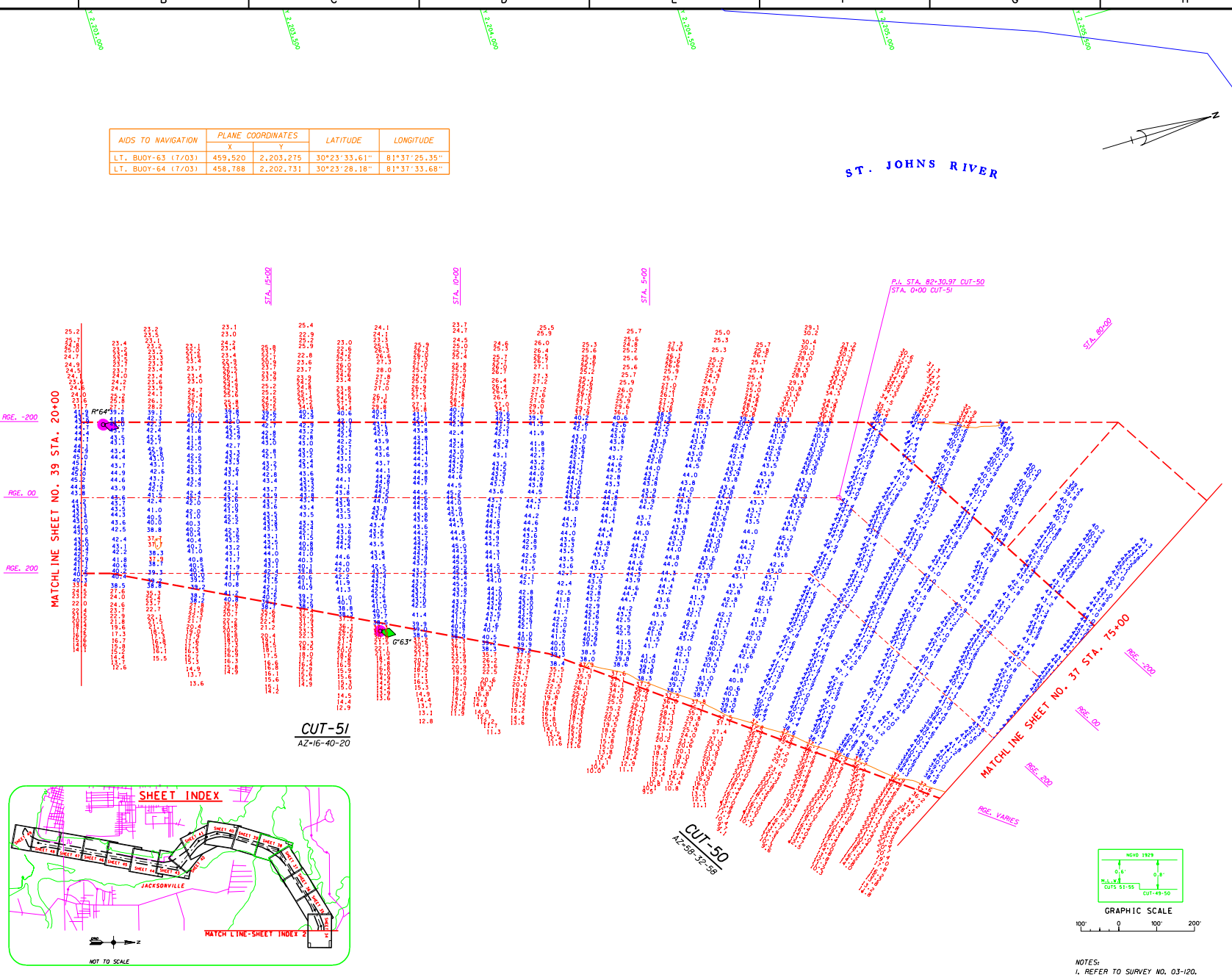
Designed by:
Drawn by: CES
Check by: MHW
Dated: JUL 2003
D.O.F ILE NO.

File name: E2CDSHT37.DGN
Reference Files: SEAWALL.DGN, E2CDSHT50.DGN, LAKEASE.DGN, E2CDCT50.DGN, E2CDMAN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 45+00 THRU STA. 75+00 CUT 50
PLAN

DRAWING NO.
10/25
SHEET 37 OF 61

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-63 (7/03)	459,520	2,203,275	30°23'33.61"	81°37'25.35"
LT. BUOY-64 (7/03)	458,788	2,202,731	30°23'28.18"	81°37'33.68"



NOTES:
1. REFER TO SURVEY NO. 03-120.
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

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

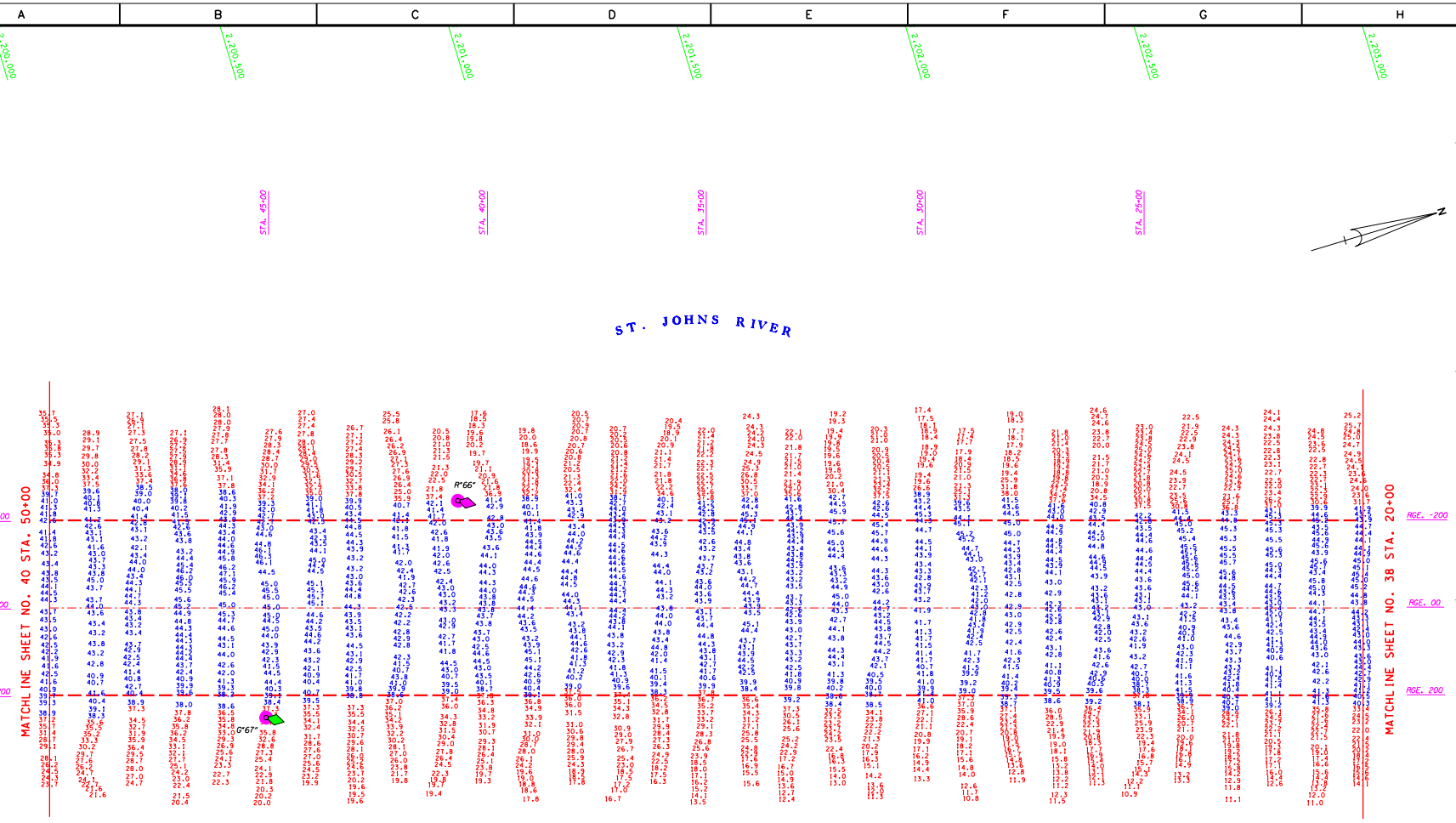
Designed by:
Dwn by: CES
Ckd by: MHW
Dated: JUL 2003
D.O.FILE NO.

File name: E2DSHEET.DGN
Reference files: BASE.DGN, BASE_ALIGN.DGN, LAKEBASE.DGN, E2DCUT50.DGN, E2DCUT51.DGN, E2DMAP.DGN, E2DMAN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA 75+00 CUT 50 THRU STA 20+00 CUT 51
PLAN

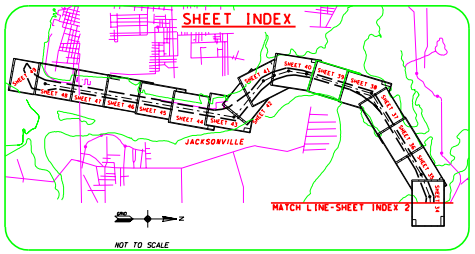
DRAWING NO.
11/25

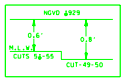
SHEET 38 OF 61



CUT-51
AZ-16-40-20

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-66 (7/03)	458,129	2,20.0709	30°23'08.13"	81°37'41.07"
LT. BUOY-67 (7/03)	458,478	2,200,148	30°23'02.54"	81°37'37.05"





GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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
U.S. CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

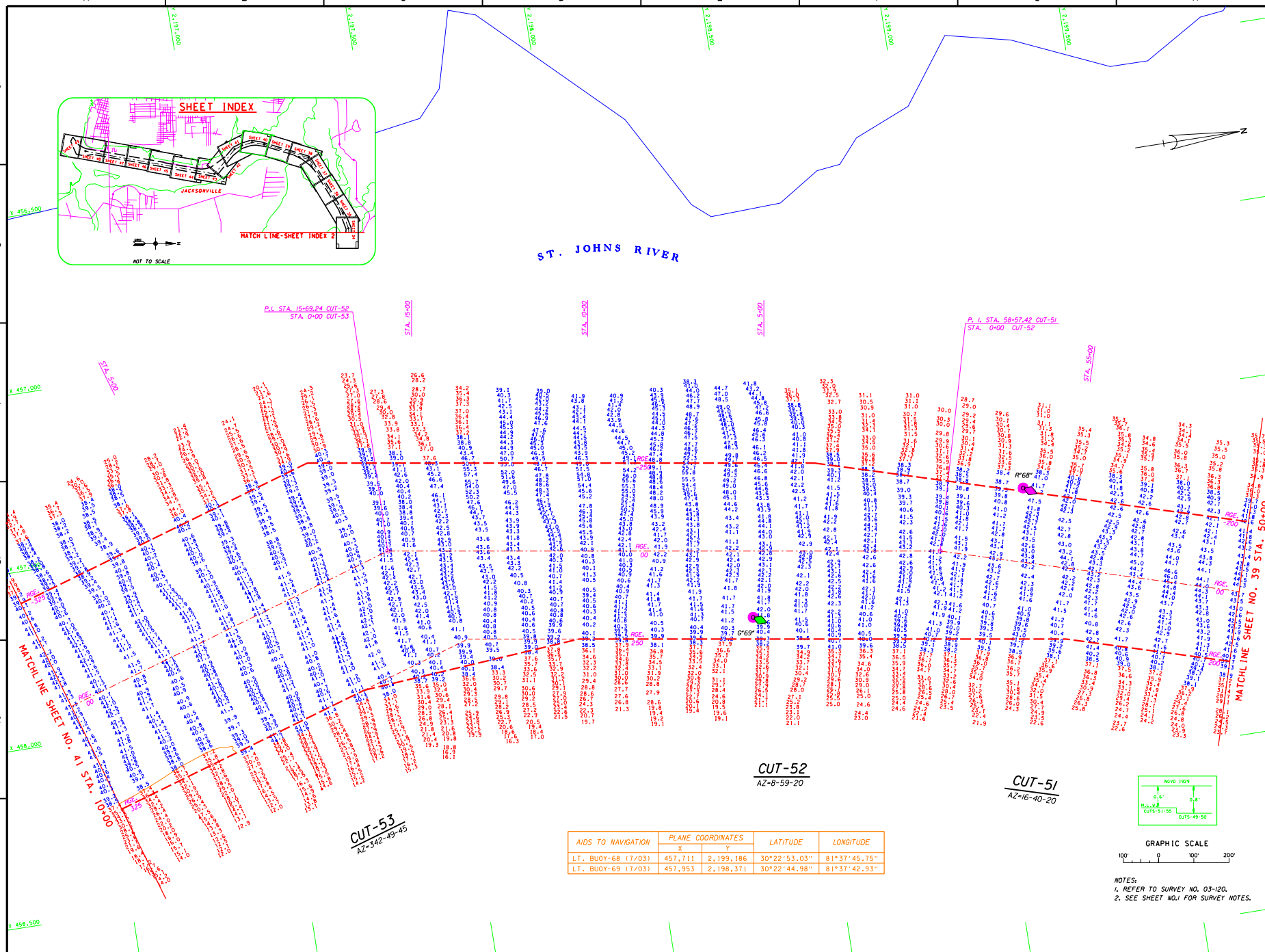
Designed by:
Drawn by: CES
Checked by: MMW
Dated: JUL 2003
D.O.F. FILE NO.

File name: E2DSH39.DGN
Reference Files: SPONSE.DGN, MSL_DATUM.DGN, LANDASE.DGN, E2DCT51.DGN, E2DMAY.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 CUT 51
PLAN

DRAWING NO.
12/25

SHEET 39 OF 61



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-68 (7/03)	457,711	2,199,186	30°22'53.03"	81°37'45.75"
LT. BUOY-69 (7/03)	457,953	2,198,371	30°22'44.98"	81°37'42.93"

NOTES:
1. REFER TO SURVEY NO. 03-120.
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: XXXX

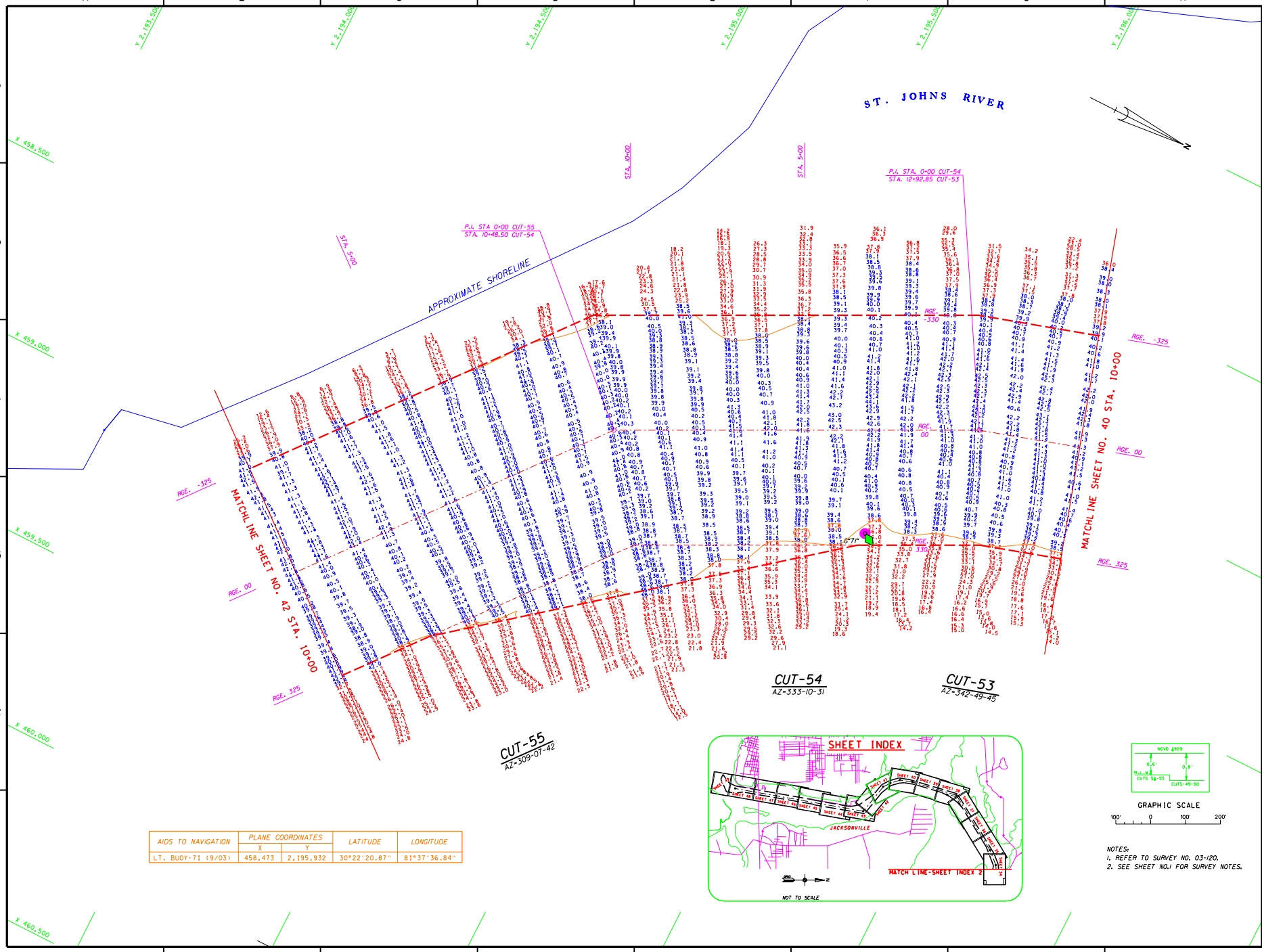
Designed by: Dwn by: FES Ckd by: WRM
Dated: JUL 2003
D.O. FILE NO.

File name: E120SH40.DGN
Reference files: BRDPR98.DGN NEWJACHAN.DGN JAXBASE.DGN E120CT51.DGN E120CT52.DGN E120CT53.DGN E120NAV.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 50+00 CUT 51 THRU STA. 10+00 CUT 53
PLAN

DRAWING NO.
13/25

SHEET 40 OF 61



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-71 (9/03)	458,473	2,195,932	30°22'20.87"	81°37'36.84"

NGVD @929
0.6'
0.8'
M.L.W.
CUTS 54-55
CUTS 49-50

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

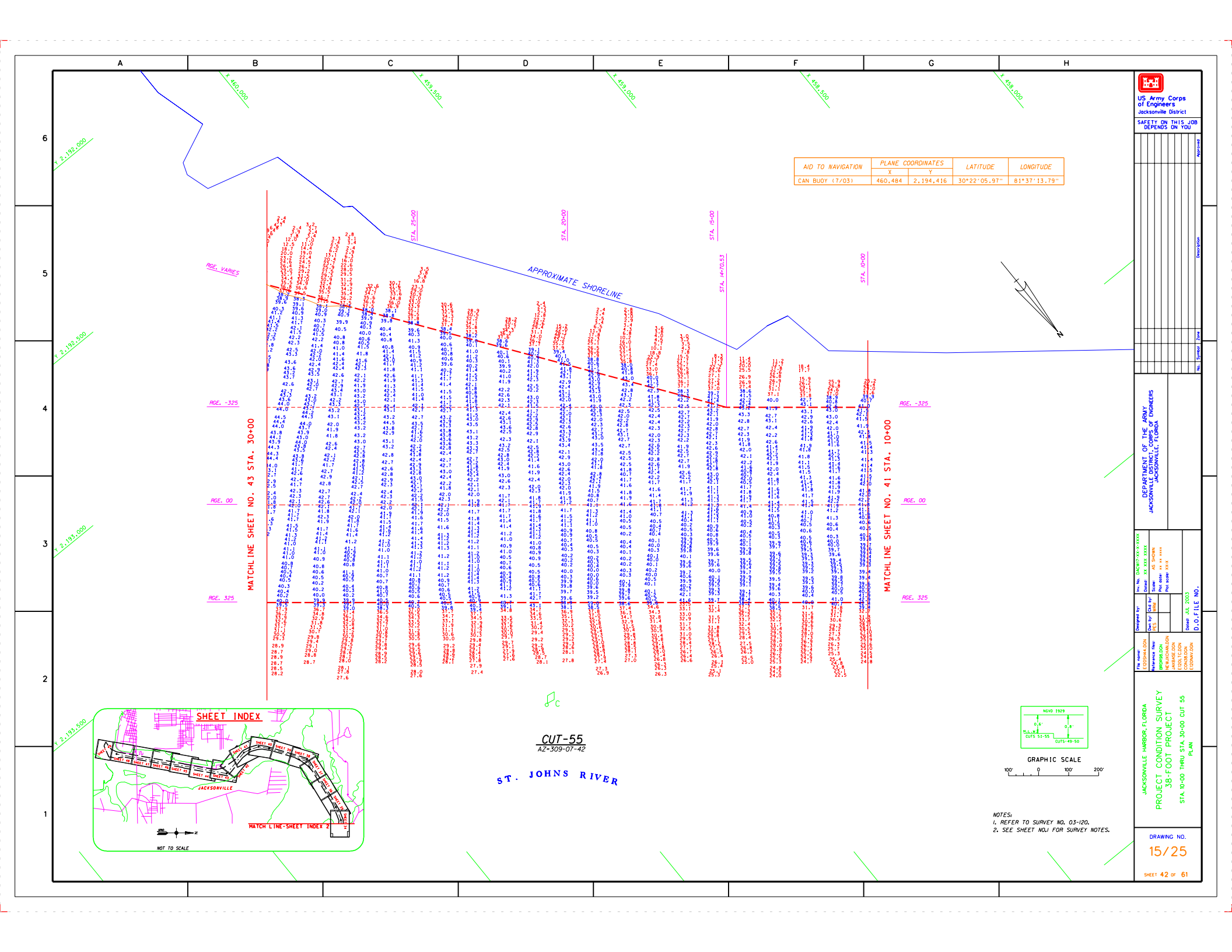
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

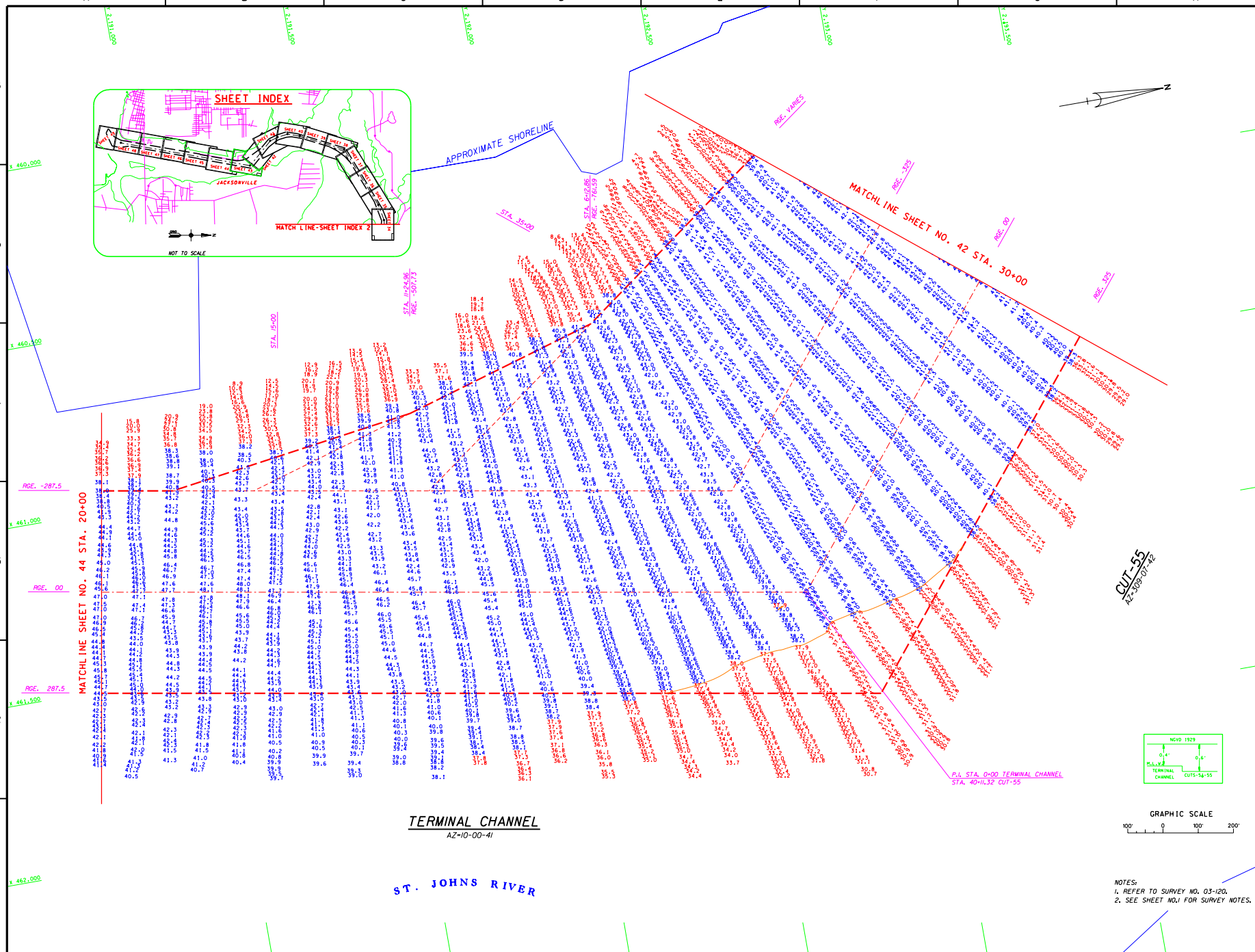
Designed by:
Drawn by: CES
Checked by: MRM
Prv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X
Dated: JUL 2003
D.O.F ILE NO.

File name: E20SHA1.DGN
Reference files: NEWJUCHAN.DGN LAKESAS.DGN E20CUT55.DGN E20CUT54.DGN E20CUT53.DGN E20MAN.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 10+00 CUT 53 THRU STA. 10+00 CUT 55
PLAN

DRAWING NO.
14/25
SHEET 41 OF 61


A
B
C
D
E
F
G
H
1
2
3
4
5
6
X 460,000
X 459,500
X 459,000
X 458,500
X 458,000
Y 2,192,000
Y 2,192,500
Y 2,193,000
Y 2,193,500
STA. 25+00
STA. 20+00
STA. 15+00
STA. 14+70.53
STA. 10+00
APPROXIMATE SHORELINE
RGE. VARIES
RGE. -325
RGE. 00
RGE. 325
MATCHLINE SHEET NO. 43 STA. 30+00
MATCHLINE SHEET NO. 41 STA. 10+00
AID TO NAVIGATION
PLANE COORDINATES
X
Y
LATITUDE
LONGITUDE
CAN BUOY (7/03)
460,484
2,194,416
30°22'05.97"
81°37'13.79"
CUT-55
AZ-309-07-42
ST. JOHNS RIVER
SHEET INDEX
JACKSONVILLE
MATCH LINE-SHEET INDEX 2
NOT TO SCALE
NGVD 1929
0.6'
0.8'
M.L.L.W.
CUTS 51-55
CUTS 49-50
GRAPHIC SCALE
100'
0
100'
200'
NOTES:
1. REFER TO SURVEY NO. 03-120.
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
Rev. No.
Dated:
Scale:
Plot date:
Designed by:
Drawn by:
Checked by:
Dated: JUL 2003
D.O.F FILE NO.
File name:
Reference files:
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 10+00 THRU STA. 30+00 CUT 55
PLAN
DRAWING NO.
15/25
SHEET 42 OF 61



TERMINAL CHANNEL

AZ-10-00-41

NOTES:
1. REFER TO SURVEY NO. 03-120.
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: XXXX

Designed by:
Dwn by: PES
Ckd by: WRM

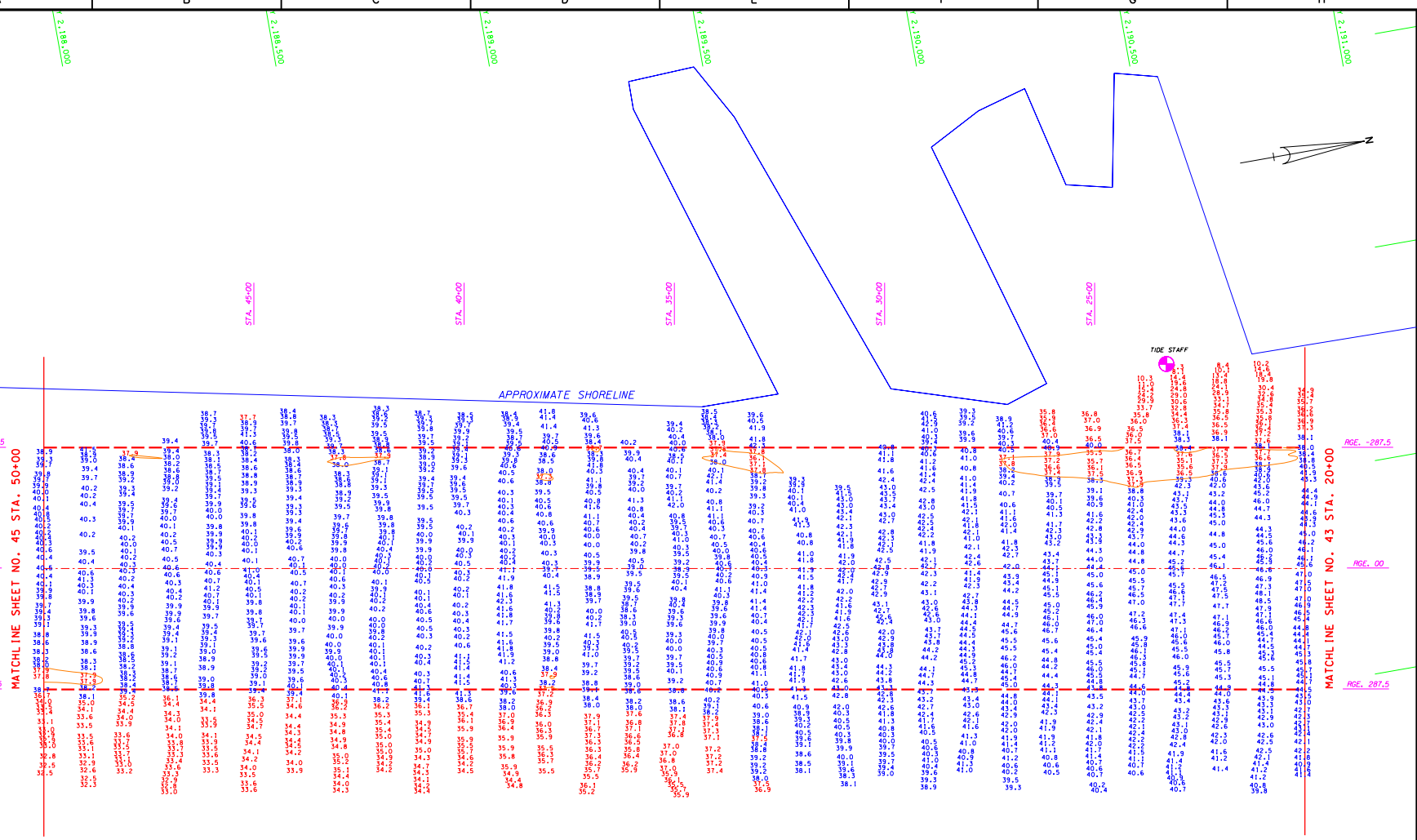
Dated: JUL 2003
D.O.FILE NO.

File name: E120SH43.DGN
Reference files: BFDPRB0.DGN NEWUXCHAN.DGN JANBASE.DGN E120LTC.DGN CONJB.DGN E120CT55.DGN E120NAV.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 30+00 THRU STA. 50+00 TERMINAL CHANNEL
PLAN

DRAWING NO.
16/25

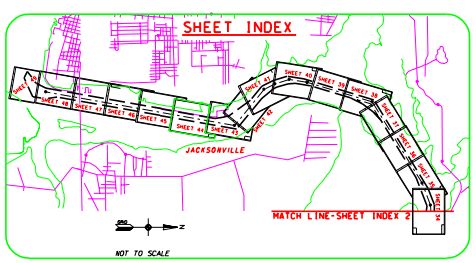
SHEET 43 OF 61



TERMINAL CHANNEL

AZ=10-00-41

ST. JOHNS RIVER



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIDE STAFF (7/03)	460,687	2,190,463	30°21'26.85"	81°37'11.22"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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

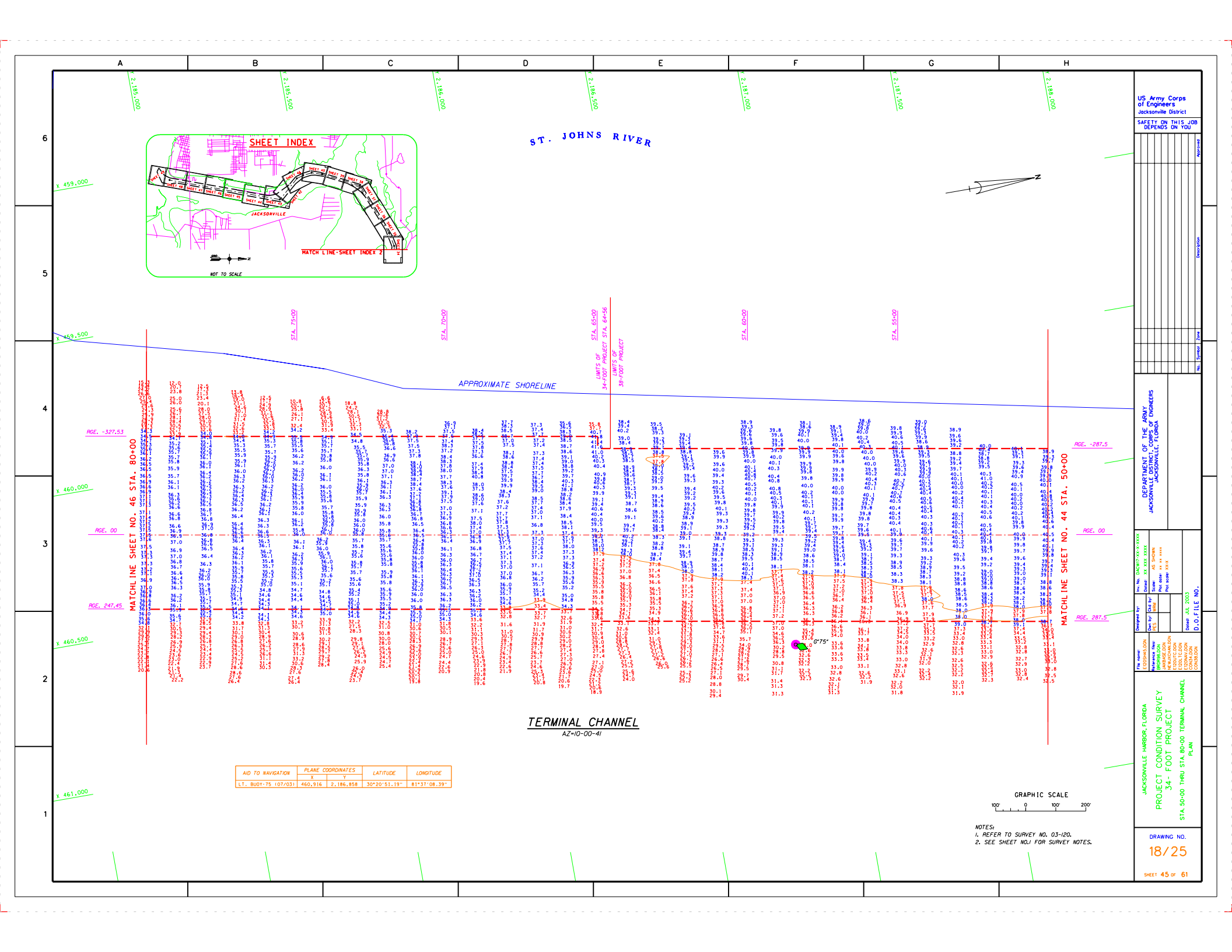
Designed by: Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Dwn by: PES
Ckd by: WRM
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX
Dated: JUL 2003
D.O.FILE NO.

File name: E120SH44.DGN
Reference Files: BRDRP98.DGN
NEWUCHAN.DGN
JAXBASE.DGN
E120LTC.DGN
CON38.DGN
E120NAV.DGN

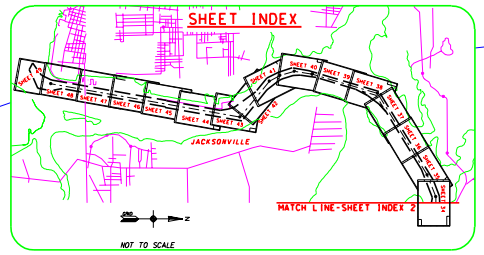
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 TERMINAL CHANNEL
PLAN

DRAWING NO.
17/25

SHEET 44 OF 61



AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-75 (07/03)	460,916	2,186,858	30°20'51.19"	81°37'08.39"



APPROXIMATE SHORELINE

ST. JOHNS RIVER

STA. 105+00

STA. 100+00

STA. 95+00

STA. 90+00

STA. 85+00

MATCHLINE SHEET NO. 47 STA. 110+00

MATCHLINE SHEET NO. 45 STA. 80+00

RGE. -327.53

RGE. 00

RGE. 247.45

R"78"

G"77"

TERMINAL CHANNEL

AZ-10-00-41

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-78 (07/03)	459,330	2,183,034	30°20'13.25"	81°37'26.25"
LT-77 (07/03)	460,322	2,183,279	30°20'15.73"	81°37'14.95"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-120.
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:
Drawn by: CES
Check by: MMW

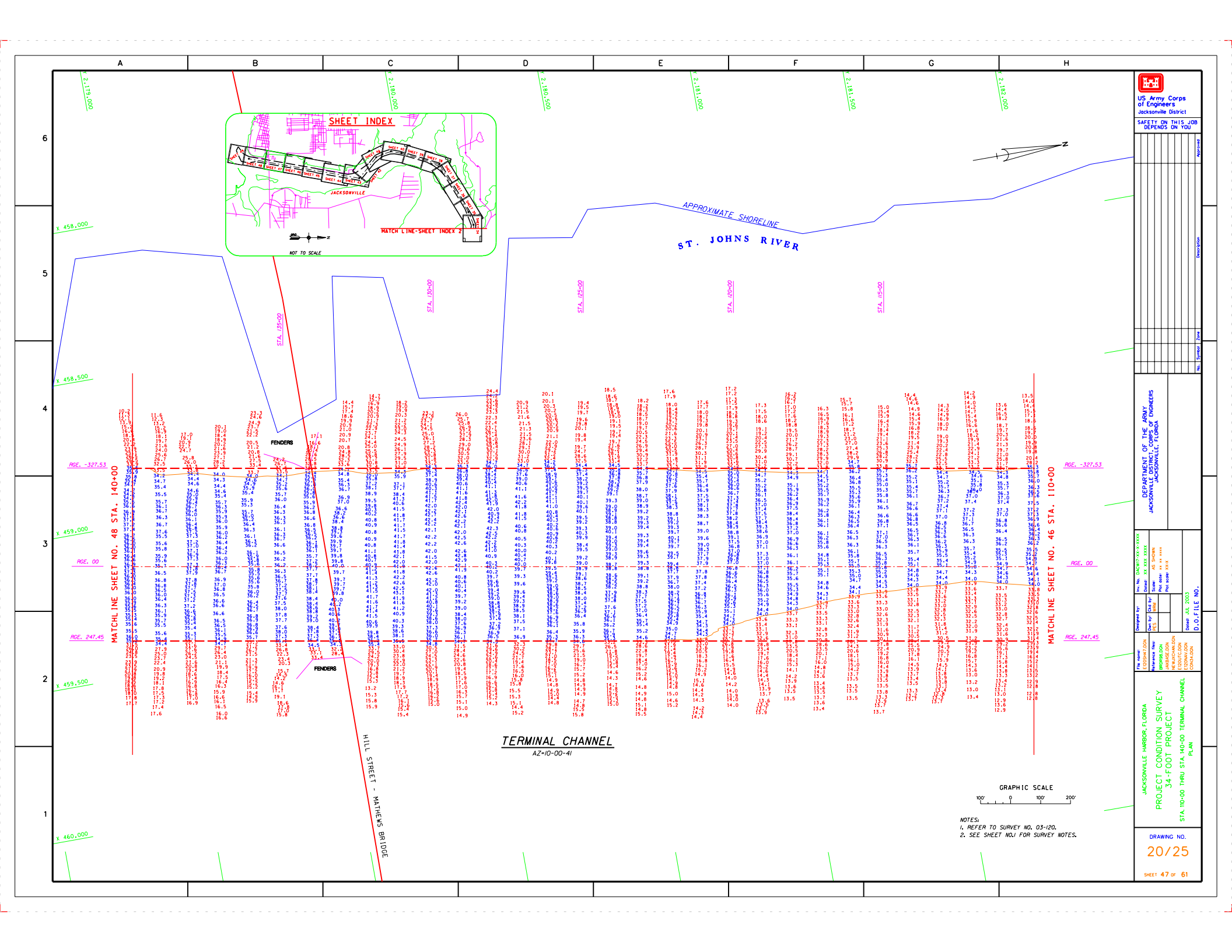
Dated: JUL 2003
D.O.F.ILE NO.

File name: E:\DGN\45.DGN
Reference files: BASE.DGN, GRIDS.DGN, NEWJACKLN.DGN, E:\DGN\TC.DGN, E:\DGN\MK.DGN, E:\DGN\CON.DGN

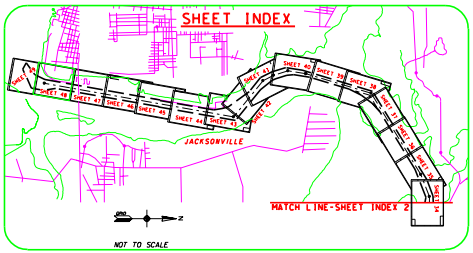
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34-FOOT PROJECT
STA. 80+00 THRU STA. 110+00 TERMINAL CHANNEL
PLAN

DRAWING NO.
19/25

SHEET 46 OF 61


SHEET INDEX
JACKSONVILLE
MATCH LINE-SHEET INDEX 2
NOT TO SCALE
APPROXIMATE SHORELINE
ST. JOHNS RIVER
STA. 135+00
STA. 130+00
STA. 125+00
STA. 120+00
STA. 115+00
FENDERS
FENDERS
RGE. -327.53
RGE. 00
RGE. 247.45
MATCHLINE SHEET NO. 48 STA. 140+00
MATCHLINE SHEET NO. 46 STA. 110+00
HILL STREET - MATHEWS BRIDGE
TERMINAL CHANNEL
AZ=10-00-41
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 03-120.
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
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34-FOOT PROJECT
STA. 110+00 THRU STA. 140+00 TERMINAL CHANNEL
PLAN
DRAWING NO.
20/25
SHEET 47 OF 61

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-79 (7/03)	459,203	2,177,745	30°19'20.91"	81°37'27.37"



HART EXPRESSWAY

STA. 165+00

STA. 160+00

STA. 155+00

STA. 150+00

STA. 145+00

APPROXIMATE SHORELINE

MATCHLINE SHEET NO. 49 STA. 170+00

MATCHLINE SHEET NO. 47 STA. 140+00

STA. 166+09.28
RGE. -327.53

RGE. VARIES

RGE. 00

RGE. 589.91

STA. 165+29.62
RGE. 589.91

STA. 155+37.05
RGE. 247.46

RGE. -327.53

RGE. 00

RGE. 247.45

G 79° 32.5

ST. JOHNS RIVER

TERMINAL CHANNEL
AZ=10-00-41

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-121.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

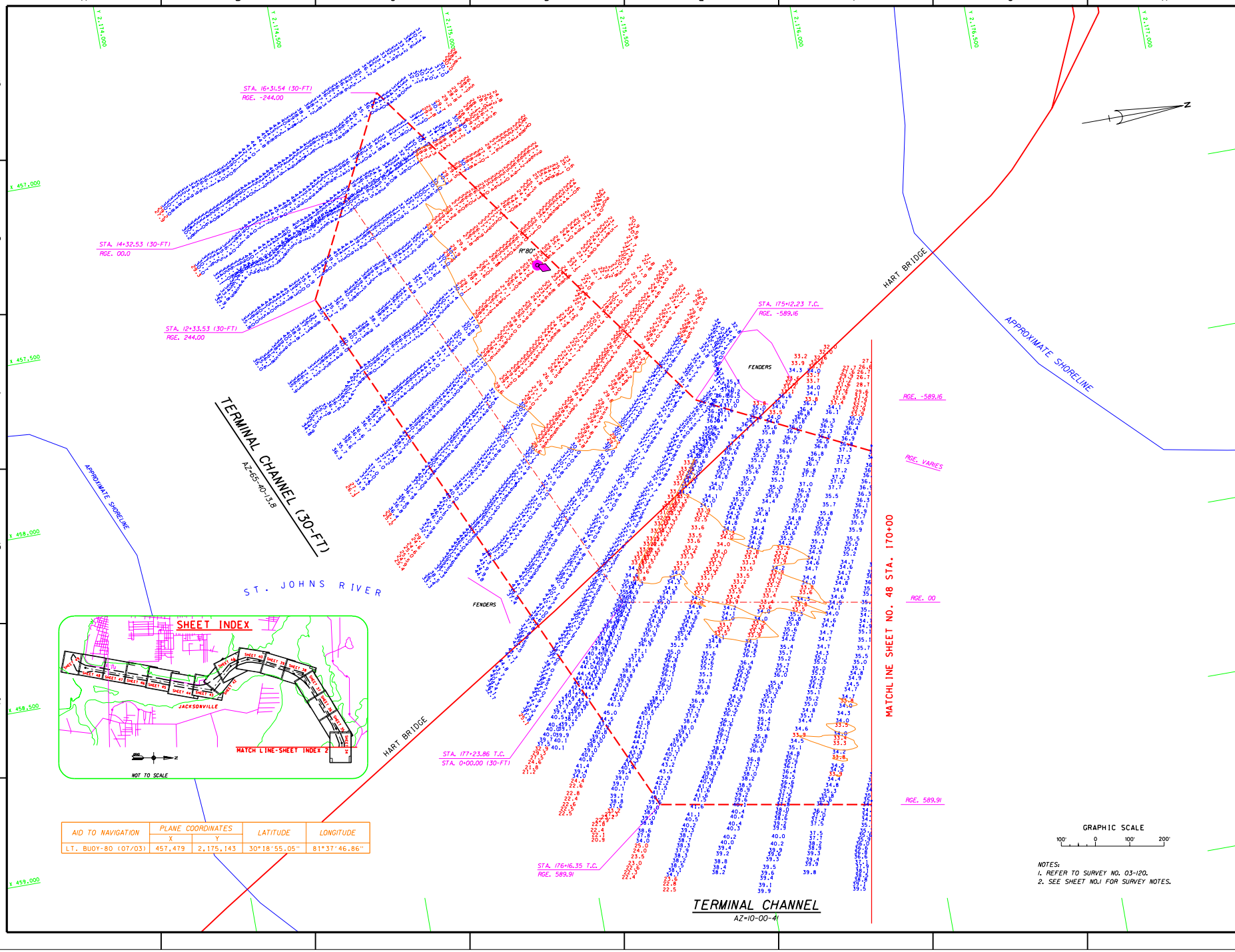
SAFETY ON THIS JOB DEPENDS ON YOU

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

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34-FOOT PROJECT
STA. 140+00 THRU STA. 170+00 TERMINAL CHANNEL
PLAN

DRAWING NO.
21/25

SHEET 48 OF 54



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-80 (07/03)	457,479	2,175,143	30°18'55.05"	81°37'46.86"

NOTES:
1. REFER TO SURVEY NO. 03-120.
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.
Dated:
Scale:
Plot date:
Plot scale:

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

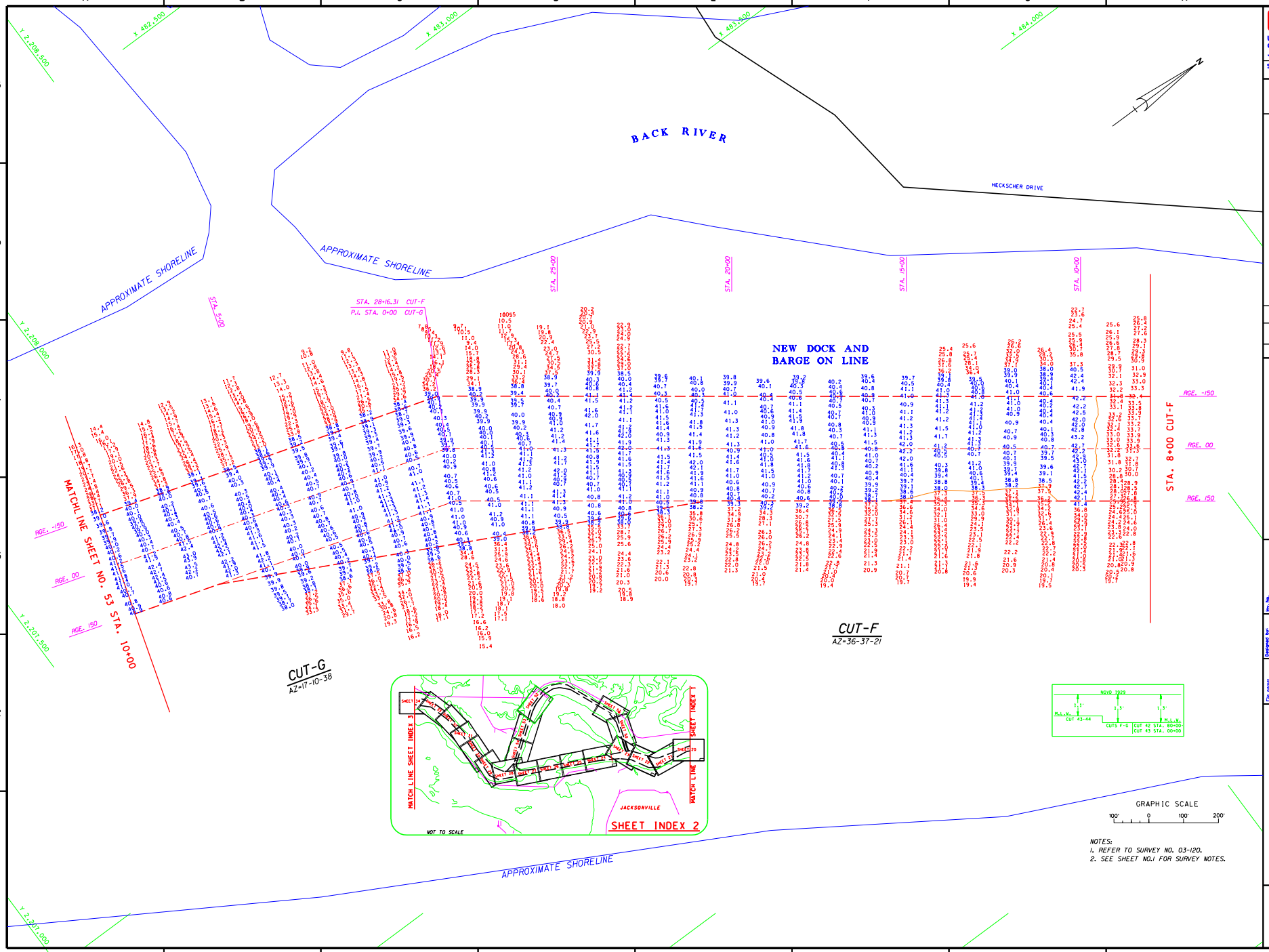
Dated: JUL 2003
D.O.FILE NO.

File name: E120SH49.DGN
Reference files: BRDR98.DGN NEWCHAN.DGN JANBASE.DGN E120TC.DGN E120NAV.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
34-FOOT PROJECT
STA. 170+00 THRU STA. 177+23.66 TERMINAL CHANNEL
PLAN

DRAWING NO.
22/25

SHEET 49 OF 61



NOTES:
1. REFER TO SURVEY NO. 03-120.
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

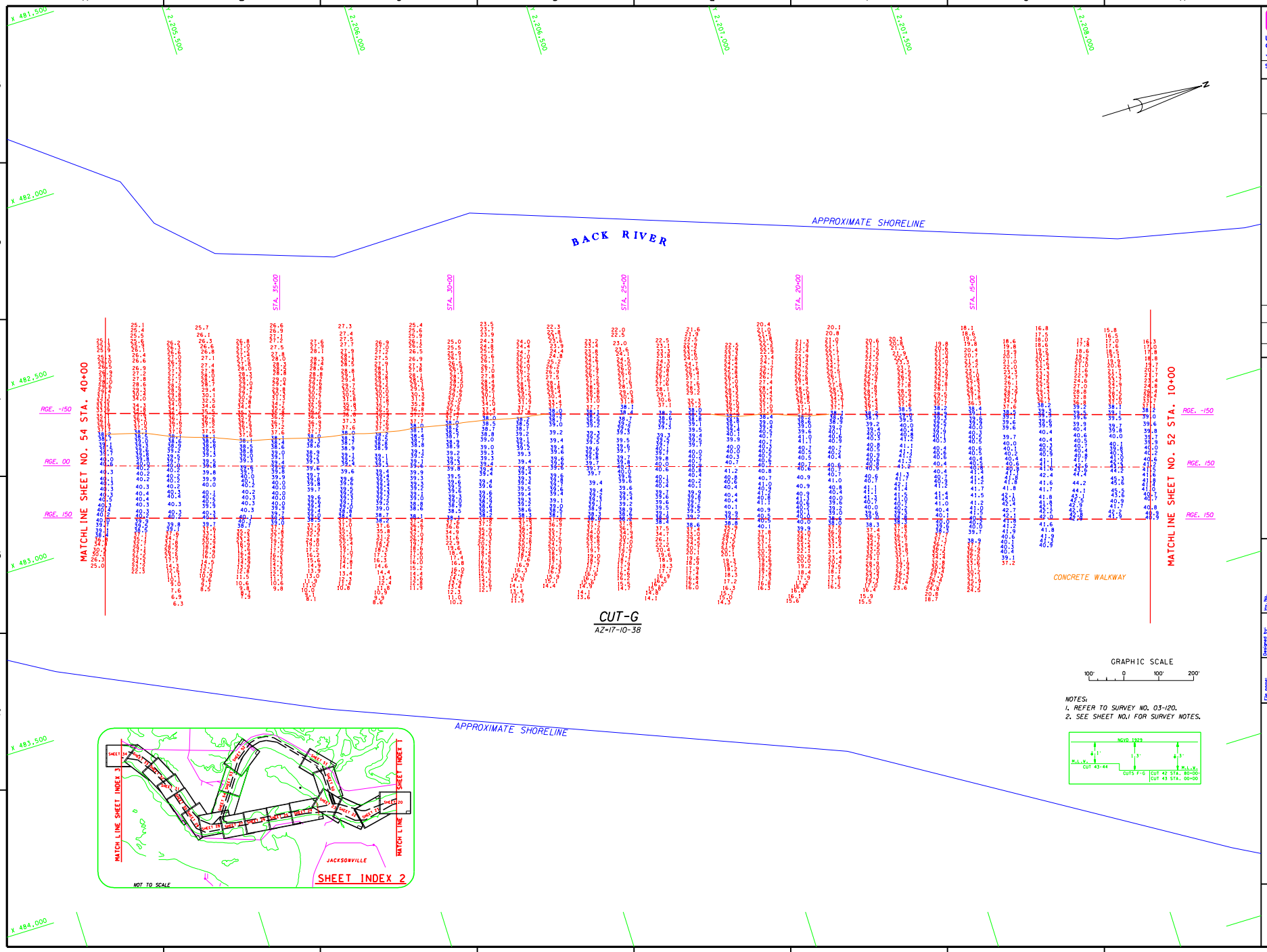
Designed by: RWH
Dwn by: PES
Ckd by: WRM
Inv. No.
Dated:
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX
Dated: JUL 2003
D.O.FILE NO.

File name: E120SH52.DGN
Reference files: BRDR98.DGN
NEW_MICHAN.DGN
JAXBASE.DGN
E120CTF.DGN
E120CTG.DGN
CON38.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 7+00 CUT-F THRU STA. 10+00 CUT-G
PLAN

DRAWING NO.
23/25

SHEET 52 OF 61



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.
Dataset:
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

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

Dated: JUL 2003

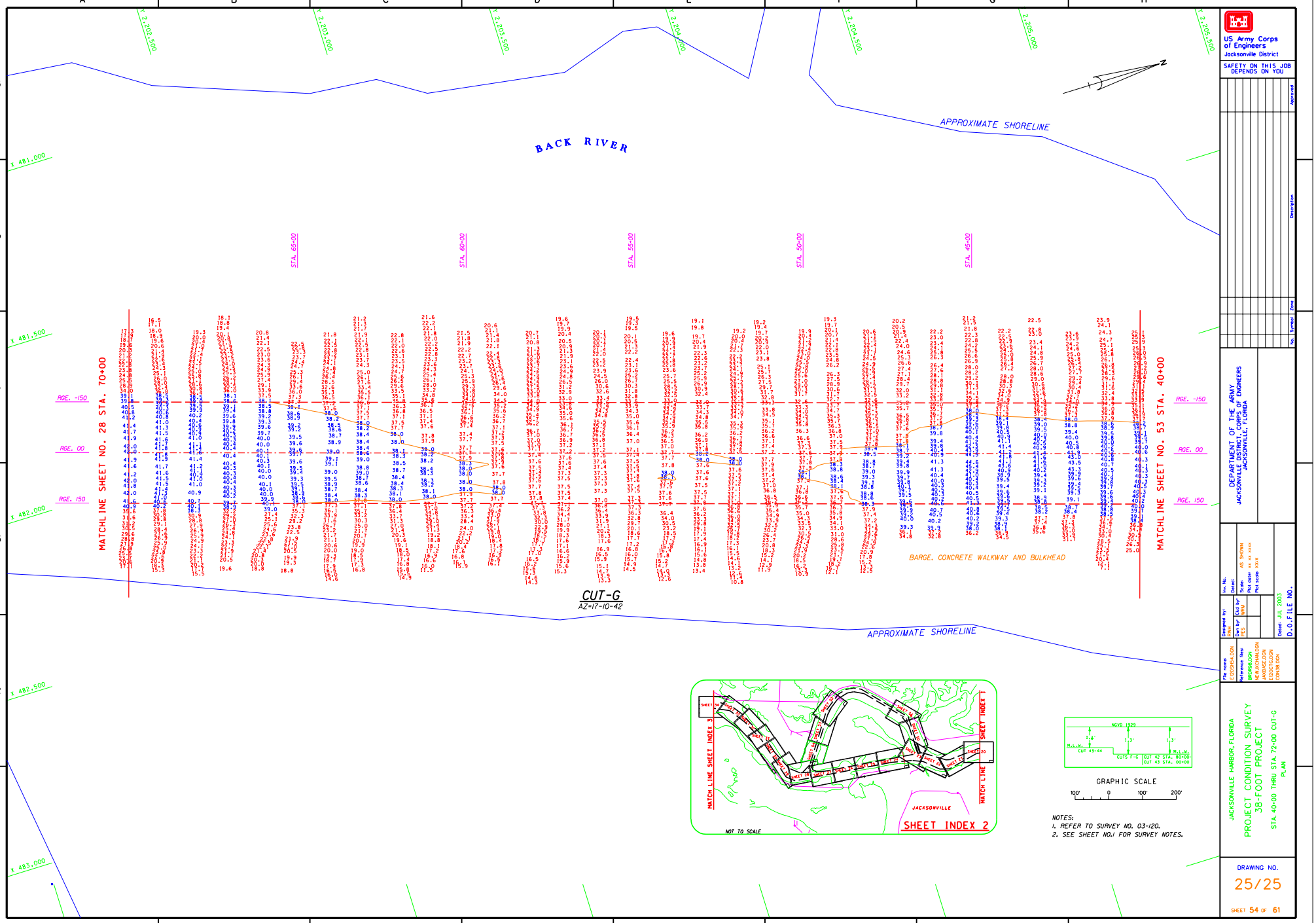
D.O. FILE NO.

File name: E120SH53.DGN
Reference files: BRDRB8.DGN
NEWMCHN4.DGN
JAXBASE.DGN
E120CTG.DGN
CON38.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 10+00 THRU STA. 40+00 CUT-G
PLAN

DRAWING NO.
24/25

SHEET 53 OF 61



NOTES:
1. REFER TO SURVEY NO. 03-120.
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.
Dataset:
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXXX

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

Dated: JUL 2003
D.O. FILE NO.

File name: E120SH54.DGN
Reference files: BRDRSB.DGN
NEWJXCHM.DGN
JAXBASE.DGN
E120CTG.DGN
CON38.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
STA. 40+00 THRU STA. 72+00 CUT-G
PLAN

DRAWING NO.
25/25

SHEET 54 OF 61