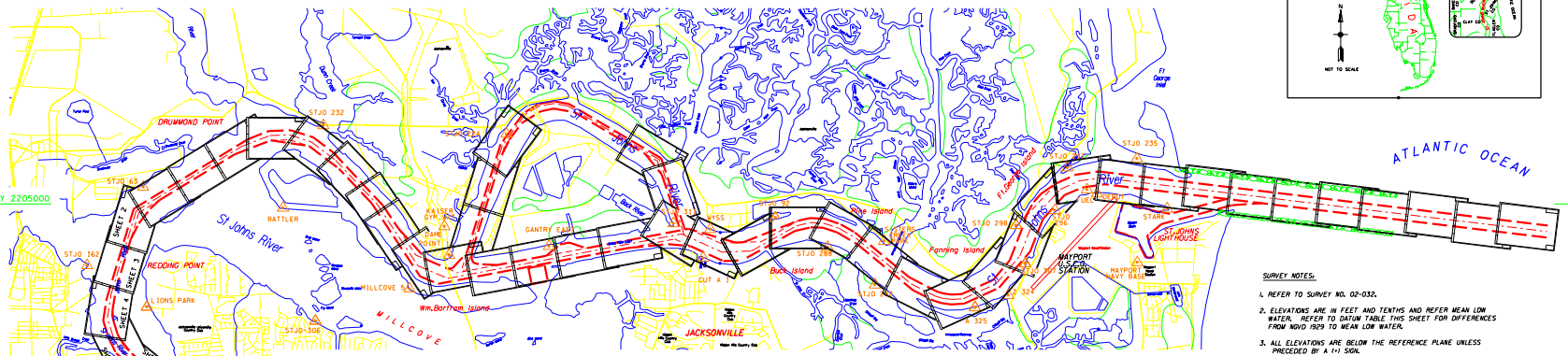
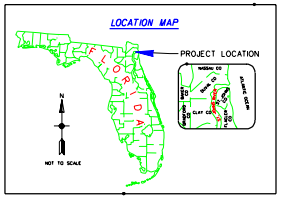
JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
CUT 51 THROUGH LOWER TERMINAL CHANNEL





GRAPHIC SCALE

3000 0 3000 6000

N

SURVEY NOTES:

1. REFER TO SURVEY NO. 02-032.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER MEAN LOW WATER. REFER TO DATUM TABLE THIS SHEET FOR DIFFERENCES FROM NGVD 1929 TO MEAN LOW WATER.
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM MULTIPLE BENCHMARKS. REFER TO SURVEY TABULATION SHOWN ON THIS SHEET.
5. ONE FOOT CONTOUR INTERVALS ARE REFERENCED TO MEAN LOW WATER.
6. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
7. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
8. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
9. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVIBEACON SYSTEM (SAVANNAH BEACON) AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A RESON SEABAT 8101 MULTI-BEAM SWEEP SYSTEM AT 240KHZ.
10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. THE HATCHED AREA REPRESENTS SHOALING ABOVE -38.0 FT. M.L.W.
12. STANDARD FIELD EQUIPMENT CALIBRATIONS WERE PERFORMED FOR THIS SURVEY AND ACCURACY RESULTS ARE WITHIN COE SPECIFICATIONS.
13. REFER TO FIELD BOOK.

AUTHORIZED PROJECT DEPTH

42-FT ----	CUT-3 (BAR CUT). STA. 0+00 THRU STA. 210+00 (INTERSECTION MAYPORT NAVY ENTRANCE CHANNEL).
38-FT ----	CUT-3 (BAR CUT) STA. 210+00 THRU TERMINAL CHANNEL, STA. 64+56 - PORT AUTHORITY DOCKS.
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.
30-FT ----	OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 5+00 - NEAR WOODEN FISHING BRIDGE*PIER THRU INTERSECTION OF CUT-42 (DAMES PT.-FULTON CUT-OFF).

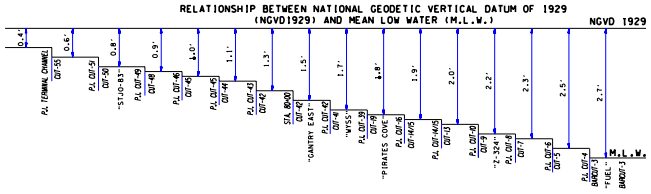
LEGEND

+BM	BENCHMARK
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	SHOAL ABOVE -38 FT.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	INDEX, LOCATION AND VICINITY MAP
2-9	PLAN VIEW OF PROJECT

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



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

SURVEY TABULATION

VESSEL	AREA SURVEYED	DATE SURVEYED	STAFF LOCATION	SURVEY NUMBER	BENCHMARK
C B LOW	TERMINAL CHANNEL 0+00 THRU 65+00	24-26 MARCH 02	MEASURE DOWN @ STJO 175	02-032	STJO-175
C B LOW	CUT-54 AND CUT-55	24-26 MARCH 02	MEASURE DOWN @ STJO 175	02-032	STJO-175
C B LOW	CUT-51 THRU CUT-53	24-26 MARCH 02	MEASURE DOWN @ LIONS PARK	02-032	LIONS PARK

CONTROL

X COORDINATE	Y COORDINATE	ELEVATION	BENCHMARK
456248.768	2200885.073	8.292	STJO-162
460235.458	2198109.273	4.762	LIONS PARK
460770.668	2190389.173	6.922	STJO-175

NOTES:
1. REFER TO SURVEY NO. 02-032.
2. SEE SHEET 1 FOR 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

JOHNSON-McADAMS
SURVEYING AND MAPPING, LLC
Greenwood, NC Fitzgerald, FL

Designed by: | Drawn by: | Checked by: | Date: APRIL 2002 | D.O.FILE NO. 13-38.302

Fin. No. DACW17-01-D-0003 | Dated: FEB. 2002 | Scale: AS SHOWN | Plot date: 9 MAY, 2002 | Plot scale: AS SHOWN

File name: D032SH01.DGN | Filename Mapping: D032SH01.DGN, D032MAP.DGN, D032MAP.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
38-FOOT PROJECT
CUT 51 THROUGH LOWER TERMINAL CHANNEL
COVER, INDEX AND PLAN SHEET

DRAWING NO.
1/9

SHEET 1 OF 54

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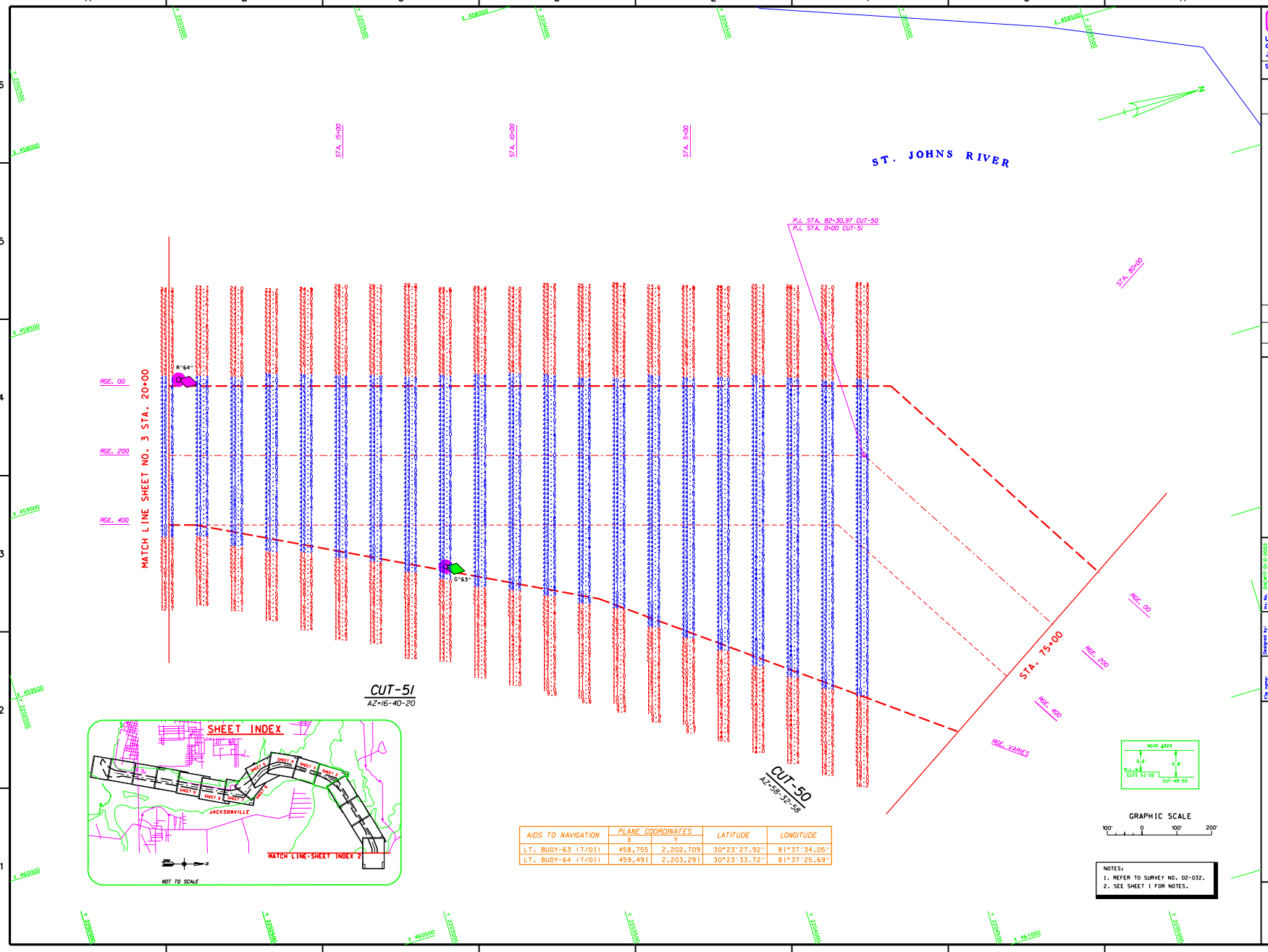

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-63 (7/01)	458,755	2,202,709	30°23'27.92"	81°37'34.05"
LT. BUOY-64 (7/01)	459,491	2,203,291	30°23'33.72"	81°37'25.69"

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

JOHNSON-McADAMS
SURVEYING AND MAPPING, LLC
Greenwood, MS Titusville, FL

Designed by: Dwn by: Chk by: Cut by:
Rev. No. DACW17-01-D-0003
Dated: FEB. 2002
Scale: AS SHOWN
Plot date: 9 MAY, 2002
Plot scale: AS SHOWN
Dated: APRIL 2002
D.O. FILE NO. 13-38.302

File name: D032SH02.DGN
Reference files: BNDR.DGN D032SH01.DGN D032CHS.DGN D032SH03.DGN D032MV1.DGN

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

DRAWING NO.
2/9

SHEET 38 OF 54

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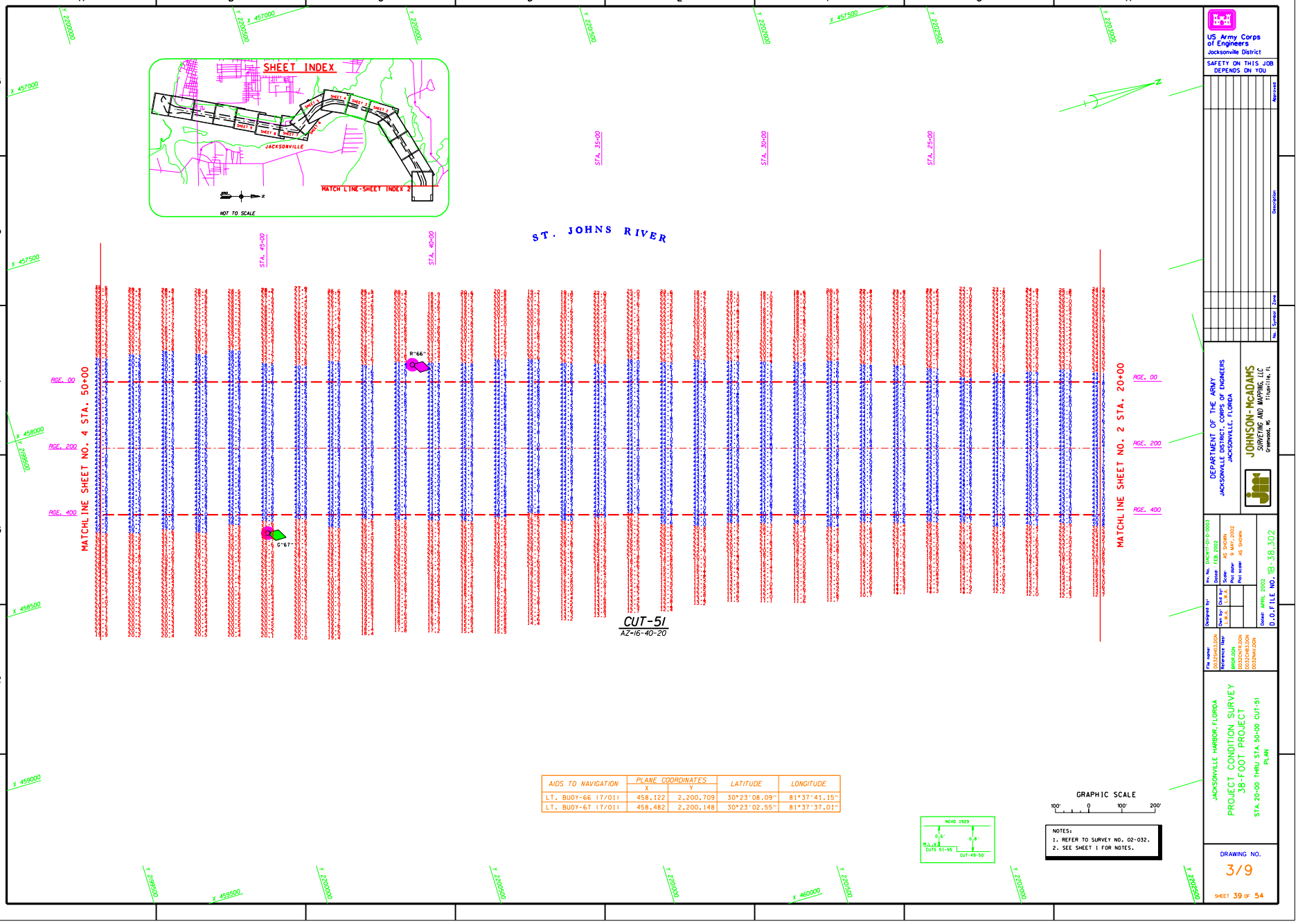

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-66 (7/01)	458,122	2,200,709	30°23'08.09"	81°37'41.15"
LT. BUOY-67 (7/01)	458,482	2,200,148	30°23'02.55"	81°37'37.01"

NOTES:
1. REFER TO SURVEY NO. 02-032.
2. SEE SHEET 1 FOR 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

JOHNSON-McADAMS
SURVEYING AND MAPPING, LLC
Greenwood, MS Titusville, FL

Designed by: L.W.A.
Dwn by: L.W.A.
Ckd by: L.W.A.
Inv. No. DACW17-01-D-0003
Dated: FEB. 2002
Scale: AS SHOWN
Plot date: 9 MAY, 2002
Plot scale: AS SHOWN
Dated: APRIL 2002
D.O.FILE NO. 1B-38,302

File name: D032SH03.DGN
Reference files: BRDR.DGN D032CH17R.DGN D032CH83.DGN D032NAV.DGN

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

DRAWING NO.
3/9

SHEET 39 OF 54

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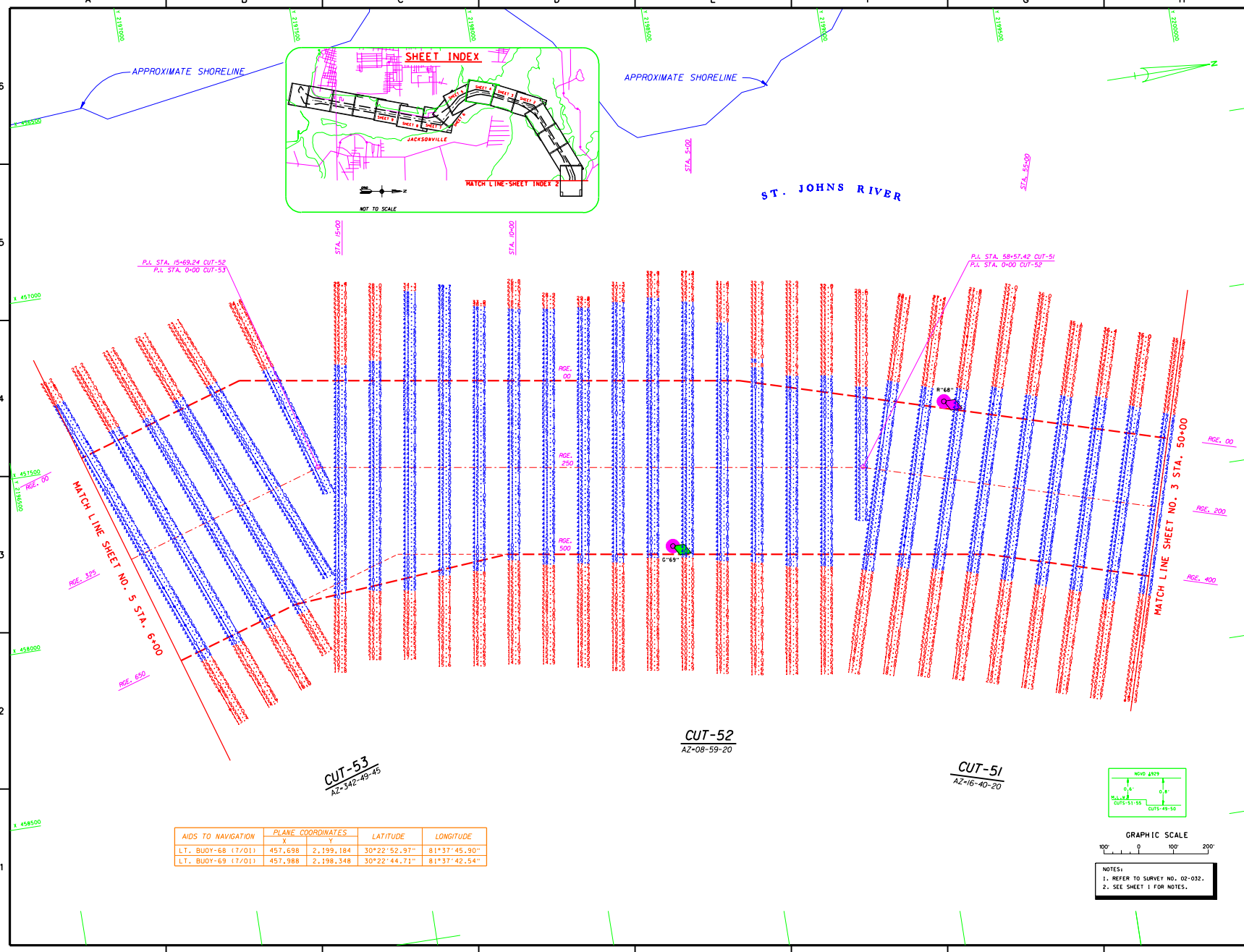

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-68 (7/01)	457,698	2,199,184	30°22'52.97"	81°37'45.90"
LT. BUOY-69 (7/01)	457,988	2,198,348	30°22'44.71"	81°37'42.54"

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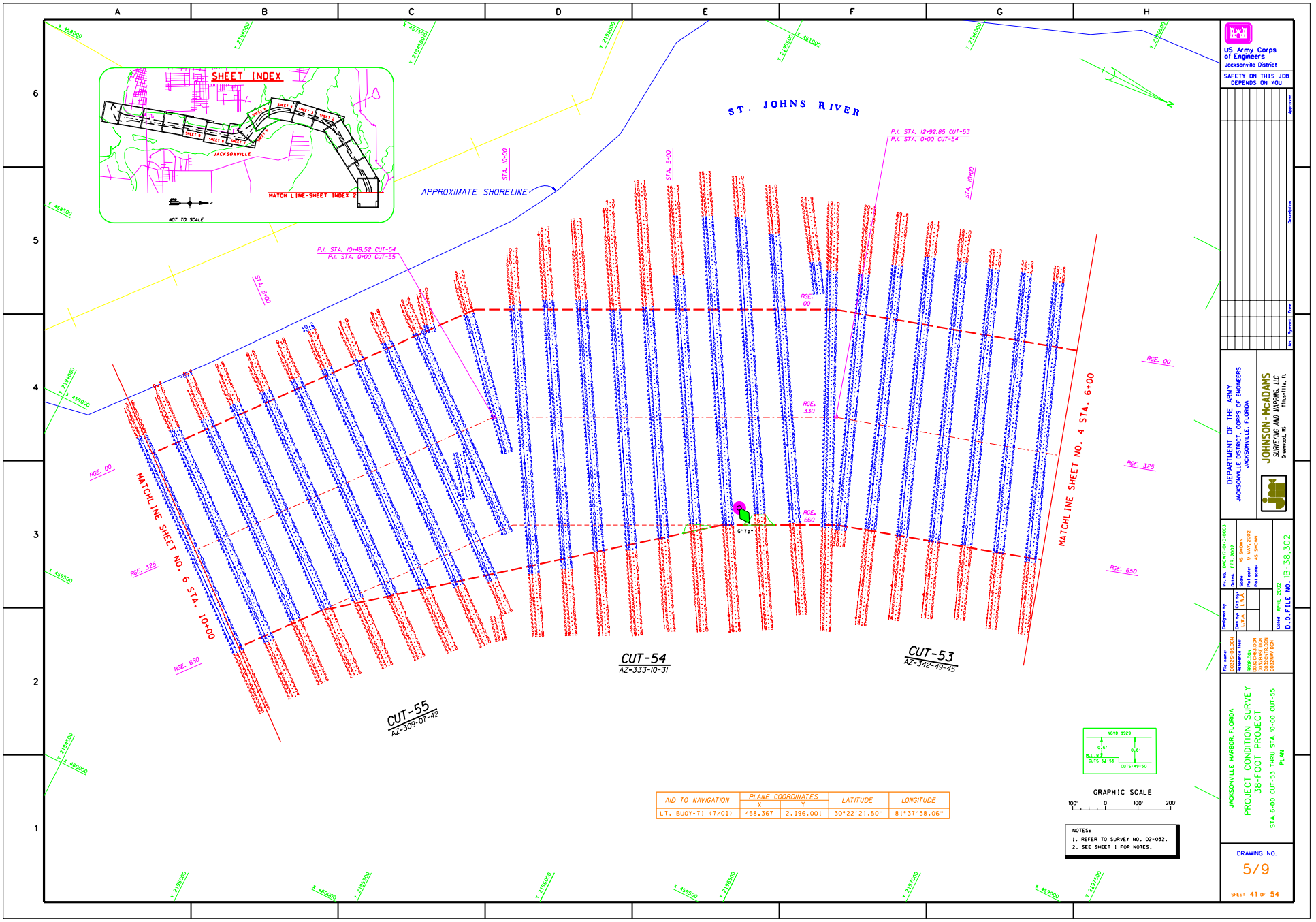

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-71 (7/01)	458,367	2,196,001	30°22'21.50"	81°37'38.06"

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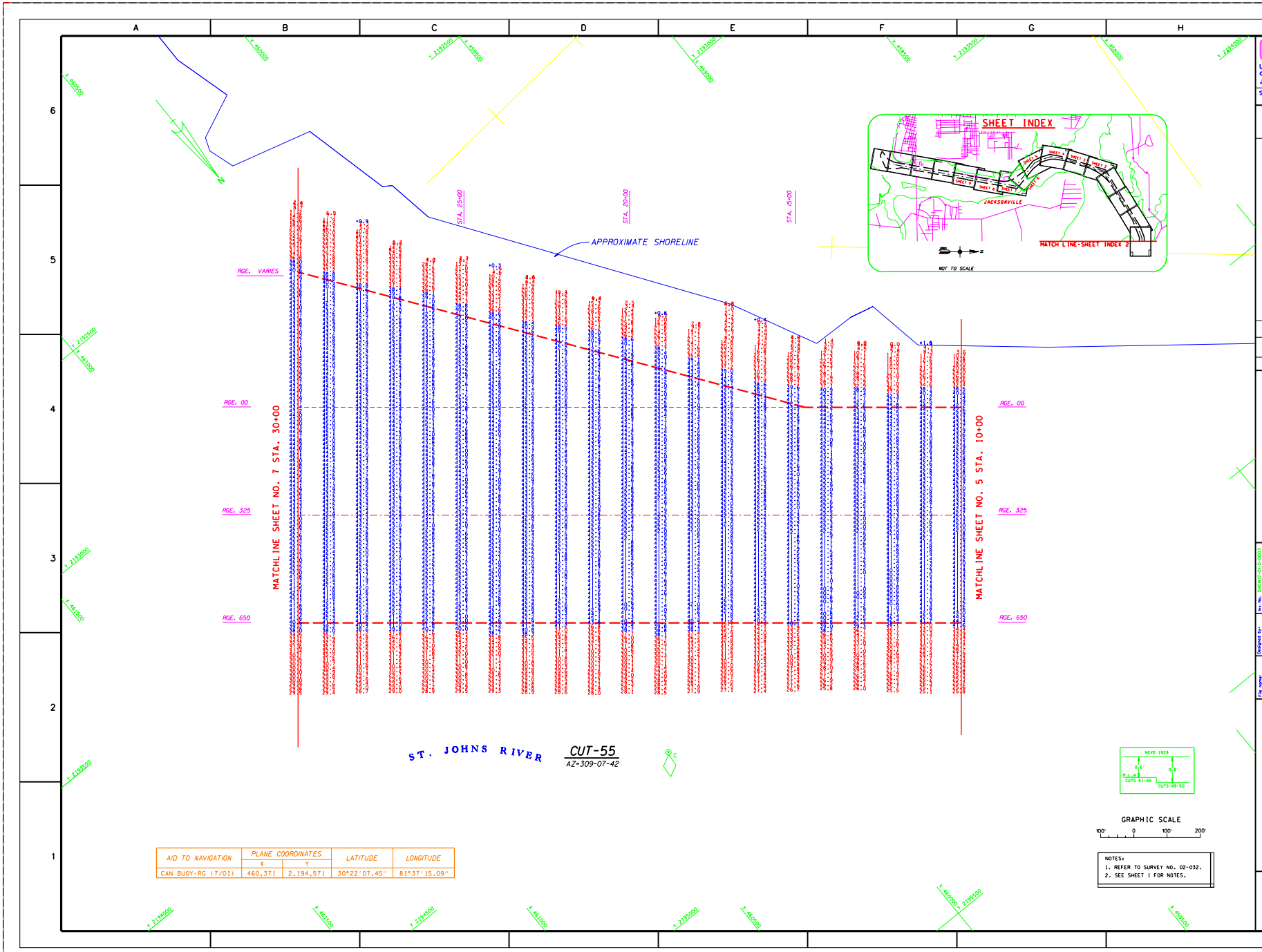

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-RG (7/01)	460,371	2,194,571	30°22'07.45"	81°37'15.09"

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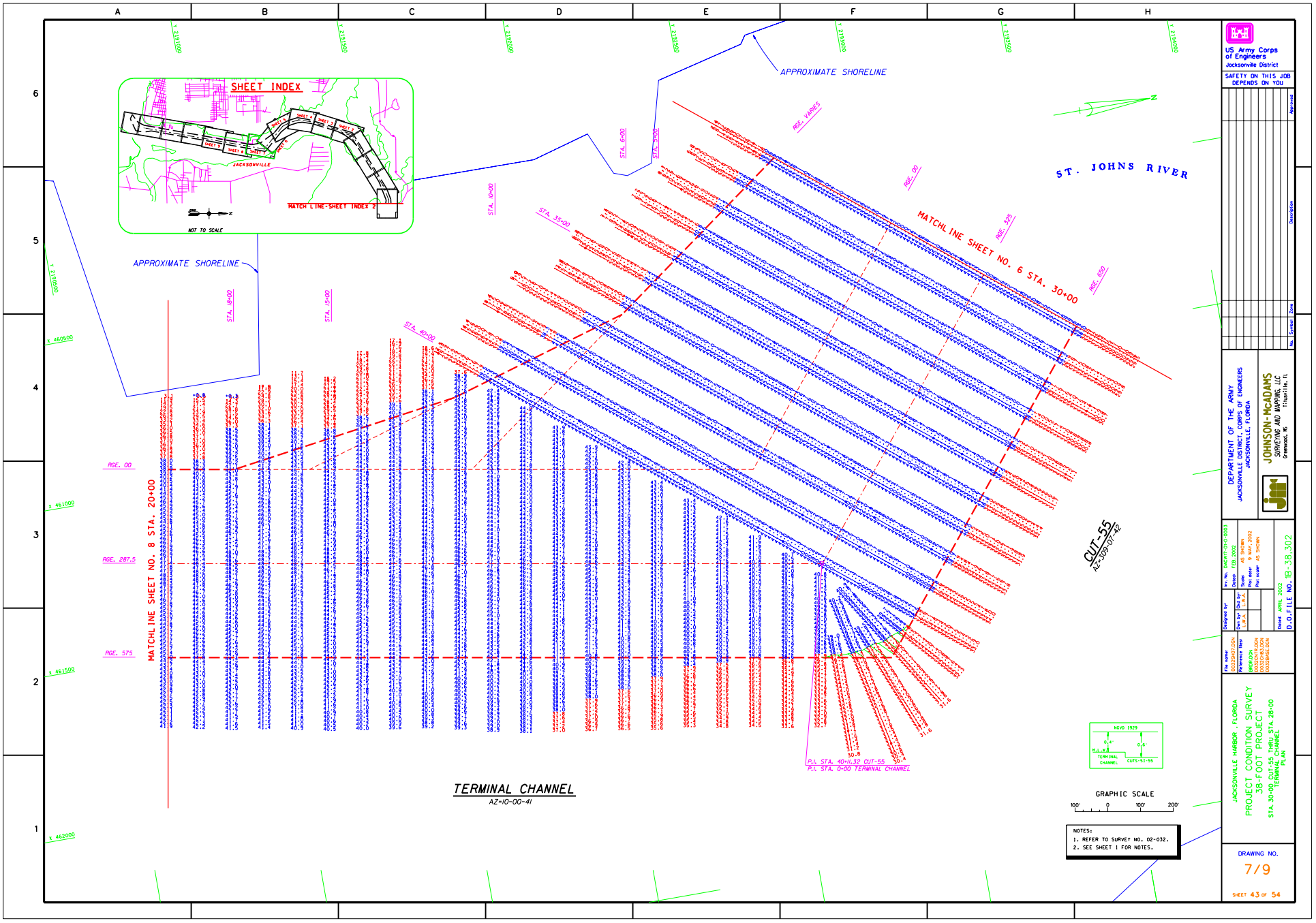

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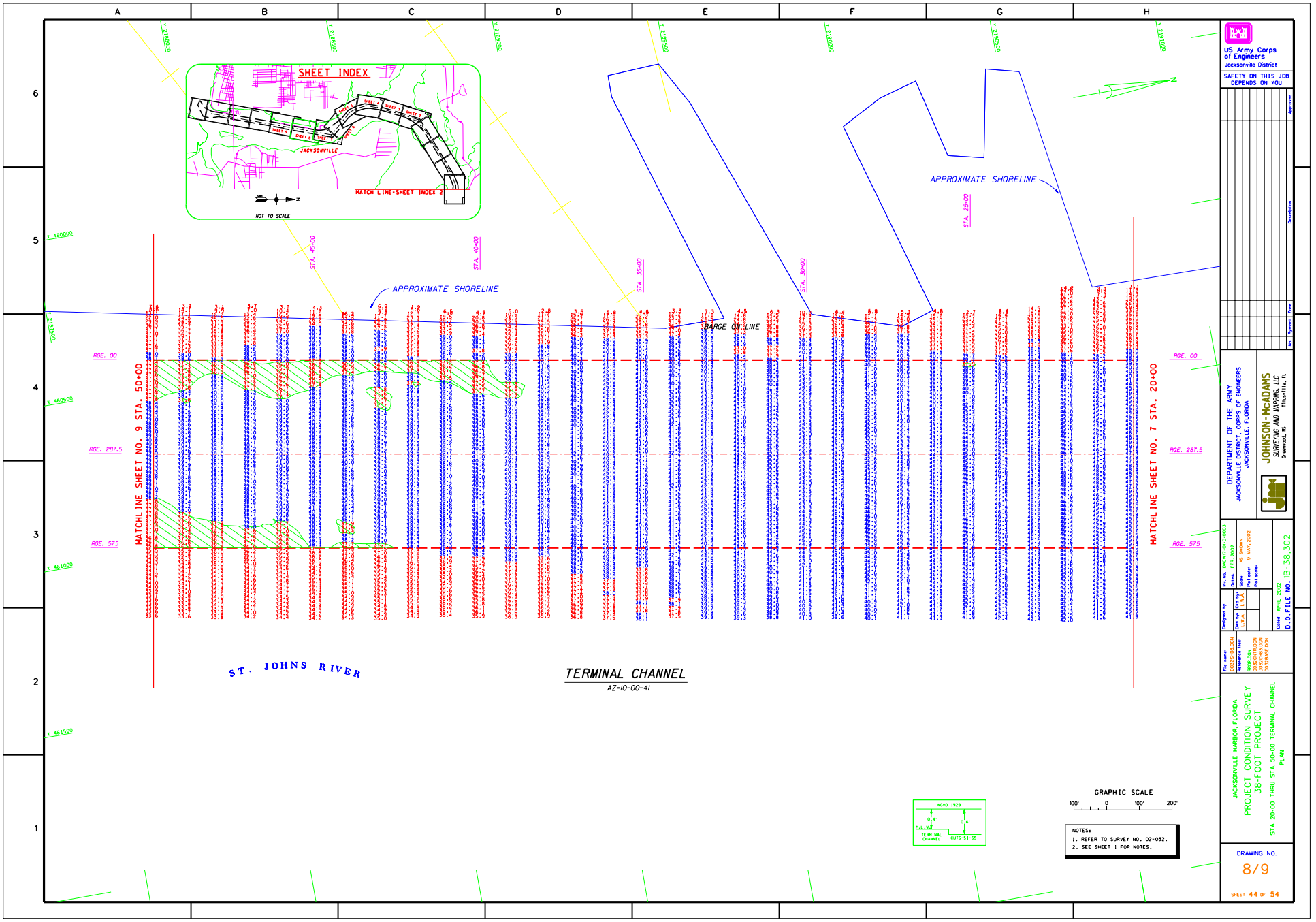

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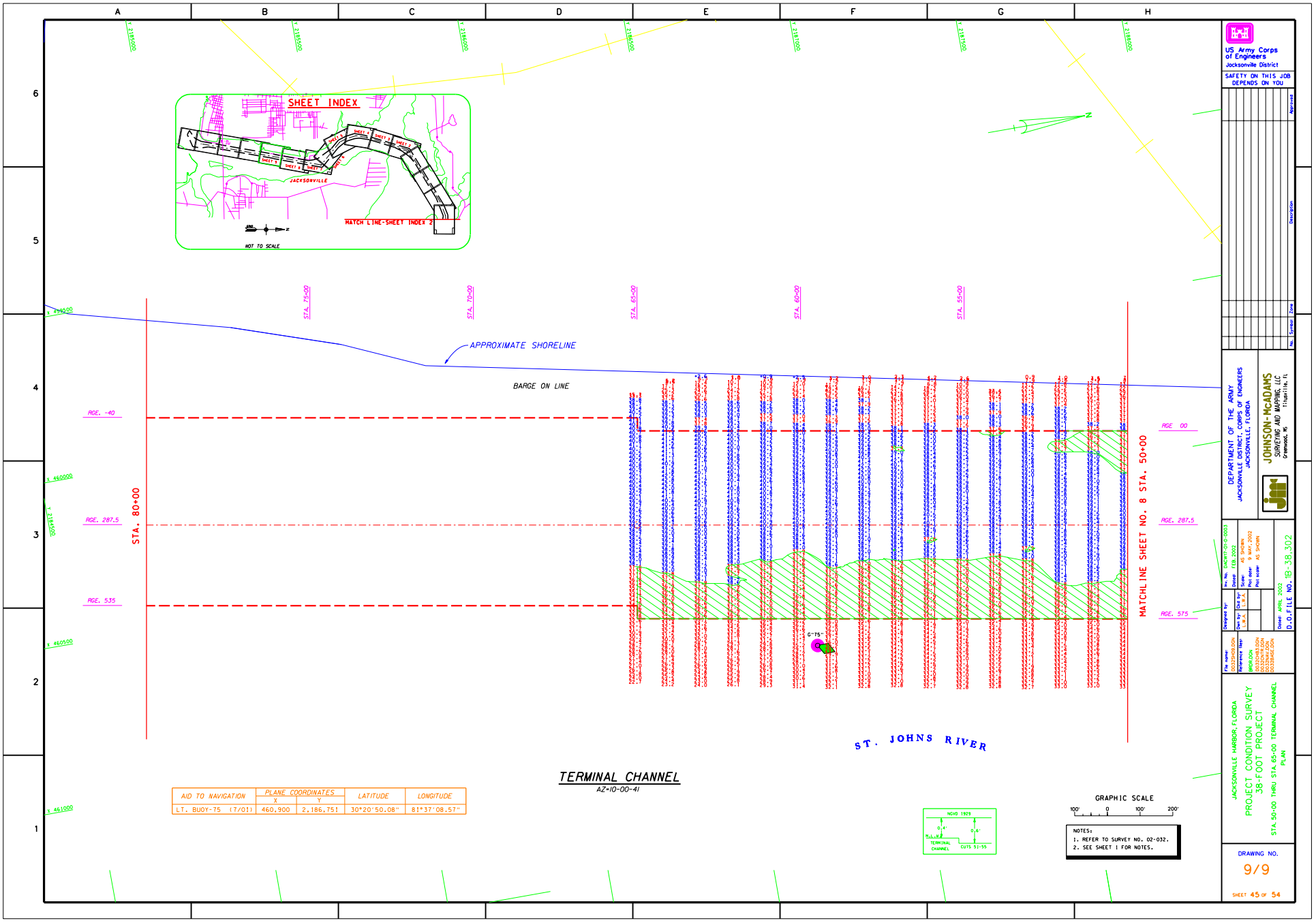

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