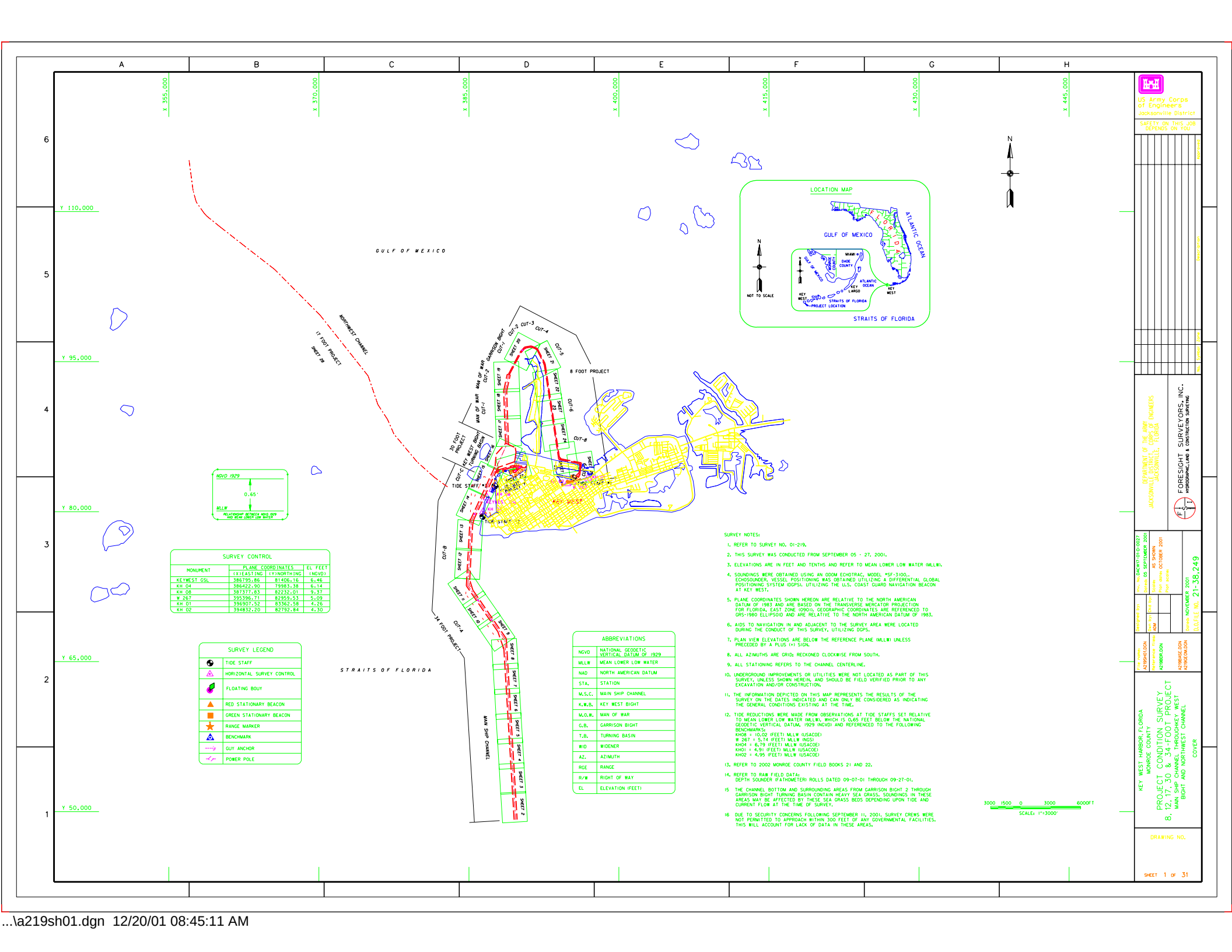

SURVEY CONTROL			
MONUMENT	PLANE COORDINATES (X)EASTING	(Y)NORTHING	EL FEET (NGVD)
KEYWEST CSL	386795.86	81406.16	6.46
KH 04	386422.90	73983.38	6.14
KH 08	387377.63	82232.01	9.37
W 267	395396.71	82959.53	5.09
KH 01	396907.52	83362.58	4.26
KH 02	394832.20	82792.84	4.30

SURVEY LEGEND	
	TIDE STAFF
	HORIZONTAL SURVEY CONTROL
	FLOATING BOUY
	RED STATIONARY BEACON
	GREEN STATIONARY BEACON
	RANGE MARKER
	BENCHMARK
	GUY ANCHOR
	POWER POLE

ABBREVIATIONS	
NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
MLLW	MEAN LOWER LOW WATER
NAD	NORTH AMERICAN DATUM
STA.	STATION
M.S.C.	MAIN SHIP CHANNEL
K.W.B.	KEY WEST BIGHT
M.O.W.	MAN OF WAR
G.B.	GARRISON BIGHT
T.B.	TURNING BASIN
WID	WIDENER
AZ.	AZIMUTH
RGE	RANGE
R/W	RIGHT OF WAY
EL	ELEVATION (FEET)

SURVEY NOTES:

1. REFER TO SURVEY NO. 01-219.
2. THIS SURVEY WAS CONDUCTED FROM SEPTEMBER 05 - 27, 2001.
3. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW).
4. SOUNDINGS WERE OBTAINED USING AN ODOM ECHOTRAC, MODEL #SF-3100, ECHOSOUNDER. VESSEL POSITIONING WAS OBTAINED UTILIZING A DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS), UTILIZING THE U.S. COAST GUARD NAVIGATION BEACON AT KEY WEST.
5. PLANE COORDINATES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 AND ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR FLORIDA, EAST ZONE (0901). GEOGRAPHIC COORDINATES ARE REFERENCED TO GRS-1980 ELLIPSOID AND ARE RELATIVE TO THE NORTH AMERICAN DATUM OF 1983.
6. AIDS TO NAVIGATION IN AND ADJACENT TO THE SURVEY AREA WERE LOCATED DURING THE CONDUCT OF THIS SURVEY, UTILIZING DGPS.
7. PLAN VIEW ELEVATIONS ARE BELOW THE REFERENCE PLANE (MLLW) UNLESS PRECEDED BY A PLUS (+) SIGN.
8. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
9. ALL STATIONING REFERS TO THE CHANNEL CENTERLINE.
10. UNDERGROUND IMPROVEMENTS OR UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY, UNLESS SHOWN HEREIN, AND SHOULD BE FIELD VERIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION.
11. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
12. TIDE REDUCTIONS WERE MADE FROM OBSERVATIONS AT TIDE STAFFS SET RELATIVE TO MEAN LOWER LOW WATER (MLLW), WHICH IS 0.65 FEET BELOW THE NATIONAL GEODETIC VERTICAL DATUM, 1929 (NGVD) AND REFERENCED TO THE FOLLOWING BENCHMARKS:
KH08 = 10.02 (FEET) MLLW (USACOE)
W 267 = 5.74 (FEET) MLLW (NGS)
KH04 = 6.79 (FEET) MLLW (USACOE)
KH01 = 4.91 (FEET) MLLW (USACOE)
KH02 = 4.95 (FEET) MLLW (USACOE)
13. REFER TO 2002 MONROE COUNTY FIELD BOOKS 21 AND 22.
14. REFER TO RAW FIELD DATA:
DEPTH SOUNDER (FATHOMETER) ROLLS DATED 09-07-01 THROUGH 09-27-01.
15. THE CHANNEL BOTTOM AND SURROUNDING AREAS FROM GARRISON BIGHT 2 THROUGH GARRISON BIGHT TURNING BASIN CONTAIN HEAVY SEA GRASS. SOUNDINGS IN THESE AREAS MAY BE AFFECTED BY THESE SEA GRASS BEDS DEPENDING UPON TIDE AND CURRENT FLOW AT THE TIME OF SURVEY.
16. DUE TO SECURITY CONCERNS FOLLOWING SEPTEMBER 11, 2001, SURVEY CREWS WERE NOT PERMITTED TO APPROACH WITHIN 300 FEET OF ANY GOVERNMENTAL FACILITIES. THIS WILL ACCOUNT FOR LACK OF DATA IN THESE AREAS.

3000 1500 0 3000 6000FT
SCALE: 1"=3000'

US Army Corps of Engineers
Jacksonville District
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Appr. No. DACW17-01-D-0027
Survey Date 05 SEPTEMBER 2001
Scale AS SHOWN
Plot Date OCTOBER 2001
Plot Scale
Designed by
Drawn by ADM
Checked by
Date NOVEMBER 2001
DATAFILE NO. 21-38,249
File name A219SH01.DGN
Reference Files A219BASE.DGN A219BEGIN.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL, KEY WEST
BIGHT AND NORTHWEST CHANNEL
COVER

DRAWING NO.

SHEET 1 OF 31

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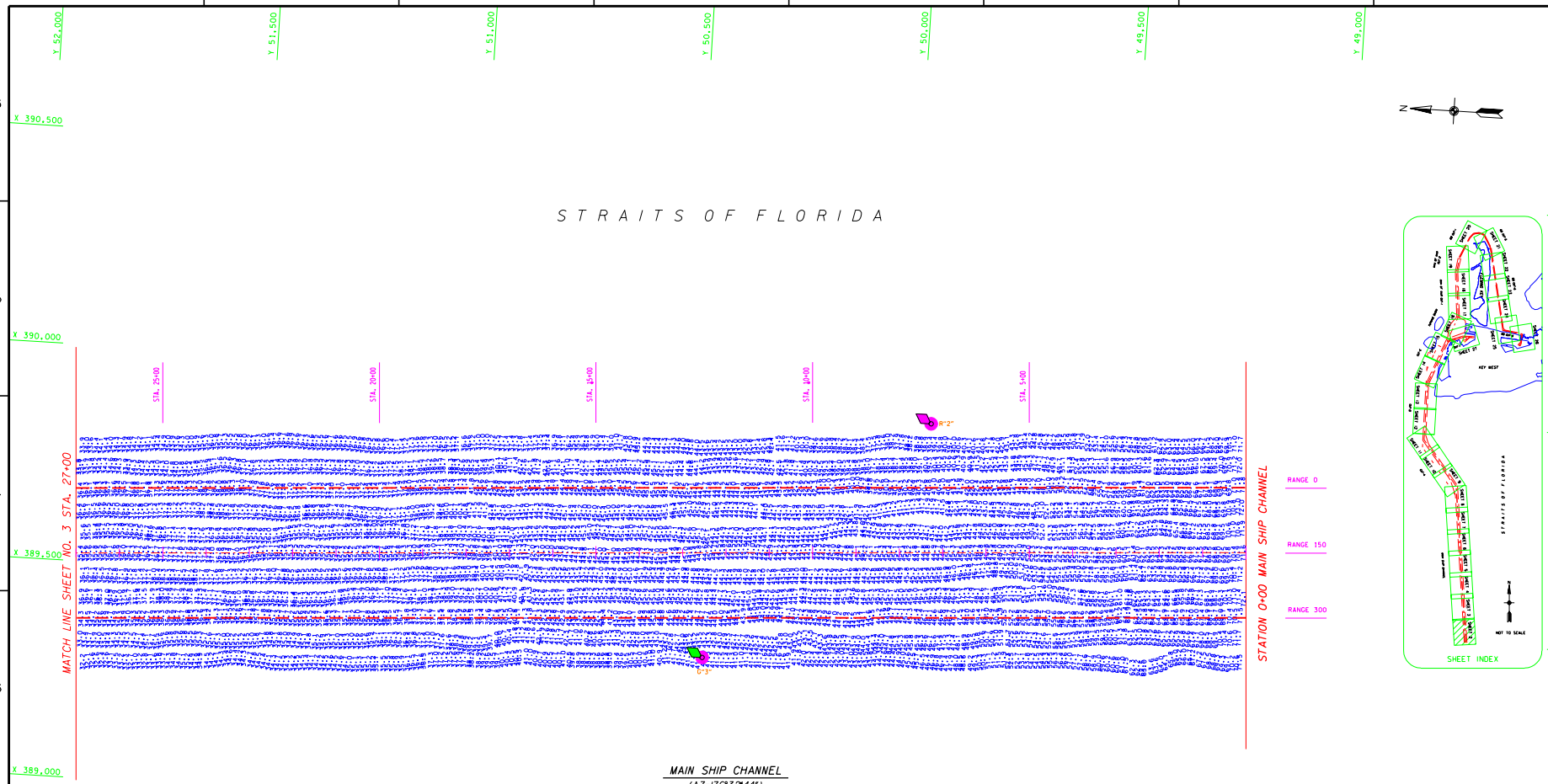

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-2	389933.98	49942.14	24°28'07.14842"	81°48'01.66871"	MSC	7+26.40	-147.66	9/24/01
LT. BUOY-3	389363.50	50437.34	24°28'12.02113"	81°48'07.87412"	MSC	12+55.07	391.95	9/24/01

SHEET INDEX

100 50 0 100 200FT
SCALE: 1"= 100'

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

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No.	Description	Date	Approved

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Inv. No. DACW17-01-D-0027
Dated: 05 SEPTEMBER 2001
Scale: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:
Dated: NOVEMBER 2001
DUOFILE NO. 21-38,249

Designed by:
Dwn by: ADM
Ckd by:
File name: A219SH02.DGN
Reference files: A219BDR.DGN A219ELEV.DGN A219HAV.DGN A219BASE.DGN A219GEOM.DGN A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 2 OF 31

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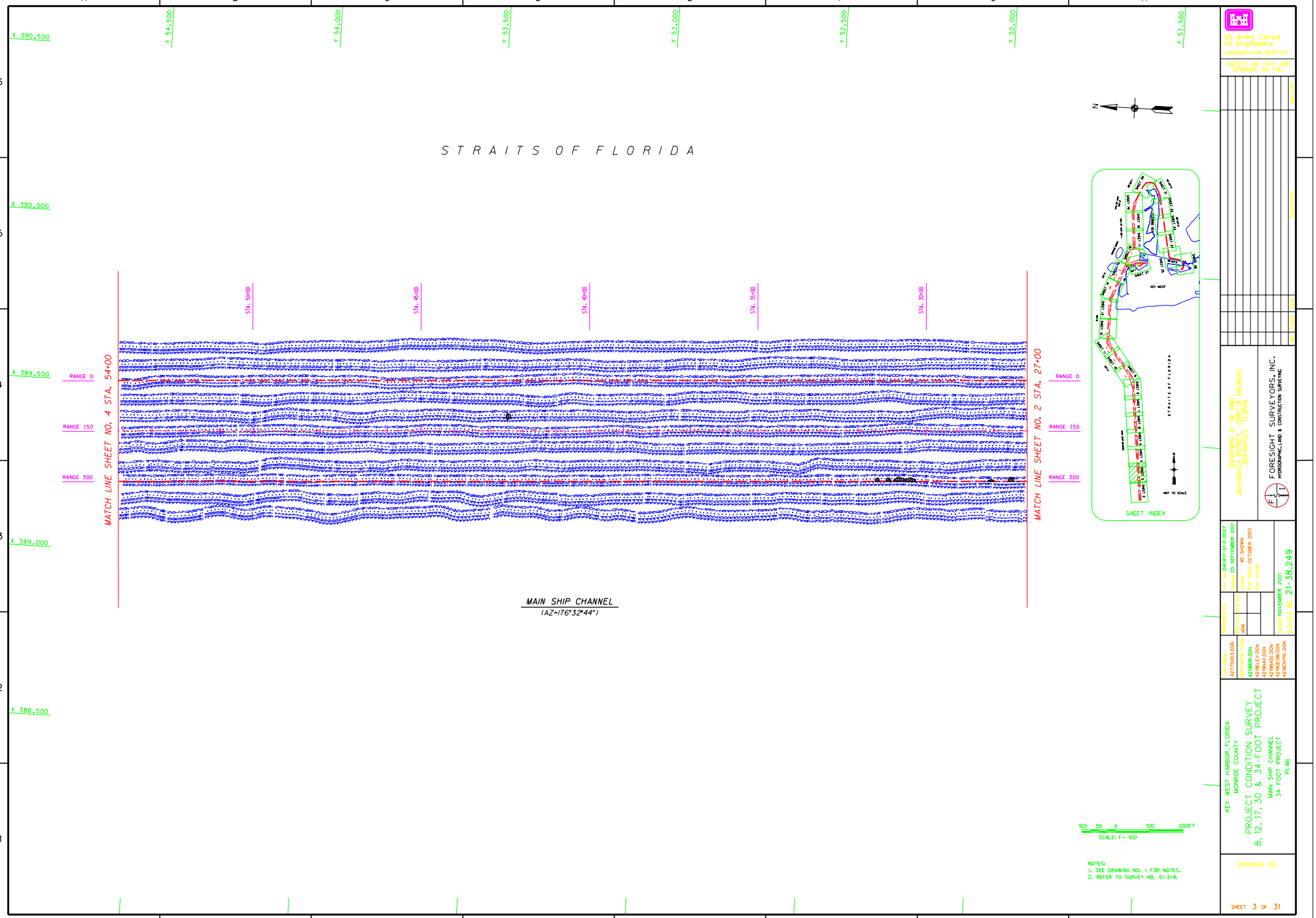

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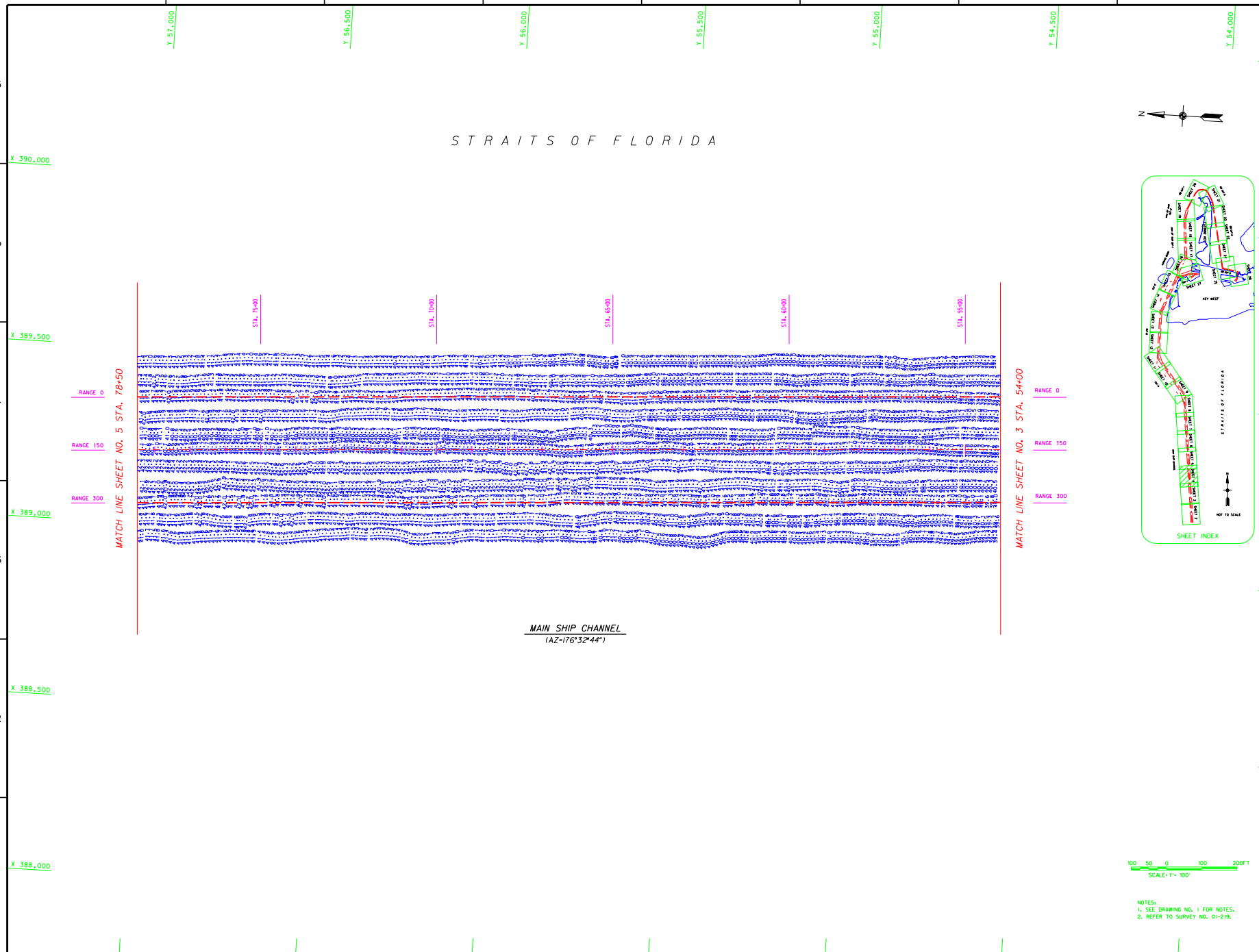

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Description	Date	Approved

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JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Designed by: | Inv. No. DACW17-01-D-0027
Drawn by: ADM | Drawing 05 SEPTEMBER 2001
Checked by: | Scales: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:

Dated: NOVEMBER 2001
D.O.FILE NO. 21-38,249

File name: A27TSH04.DGN
Reference files: A219BDR.DGN A219ELEV.DGN A219HAV.DGN A219BASE.DGN A219GEOM.DGN A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 4 OF 31

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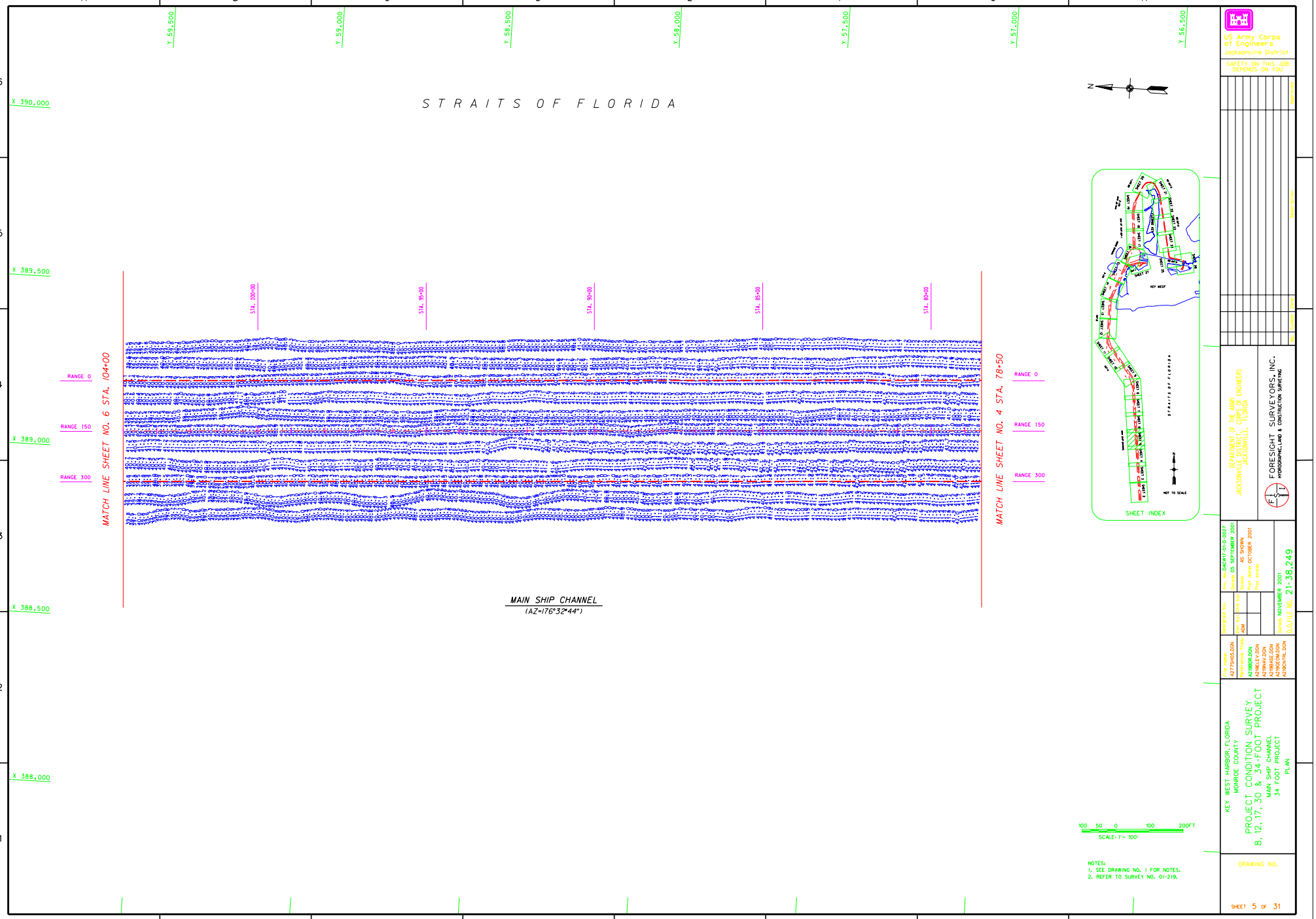

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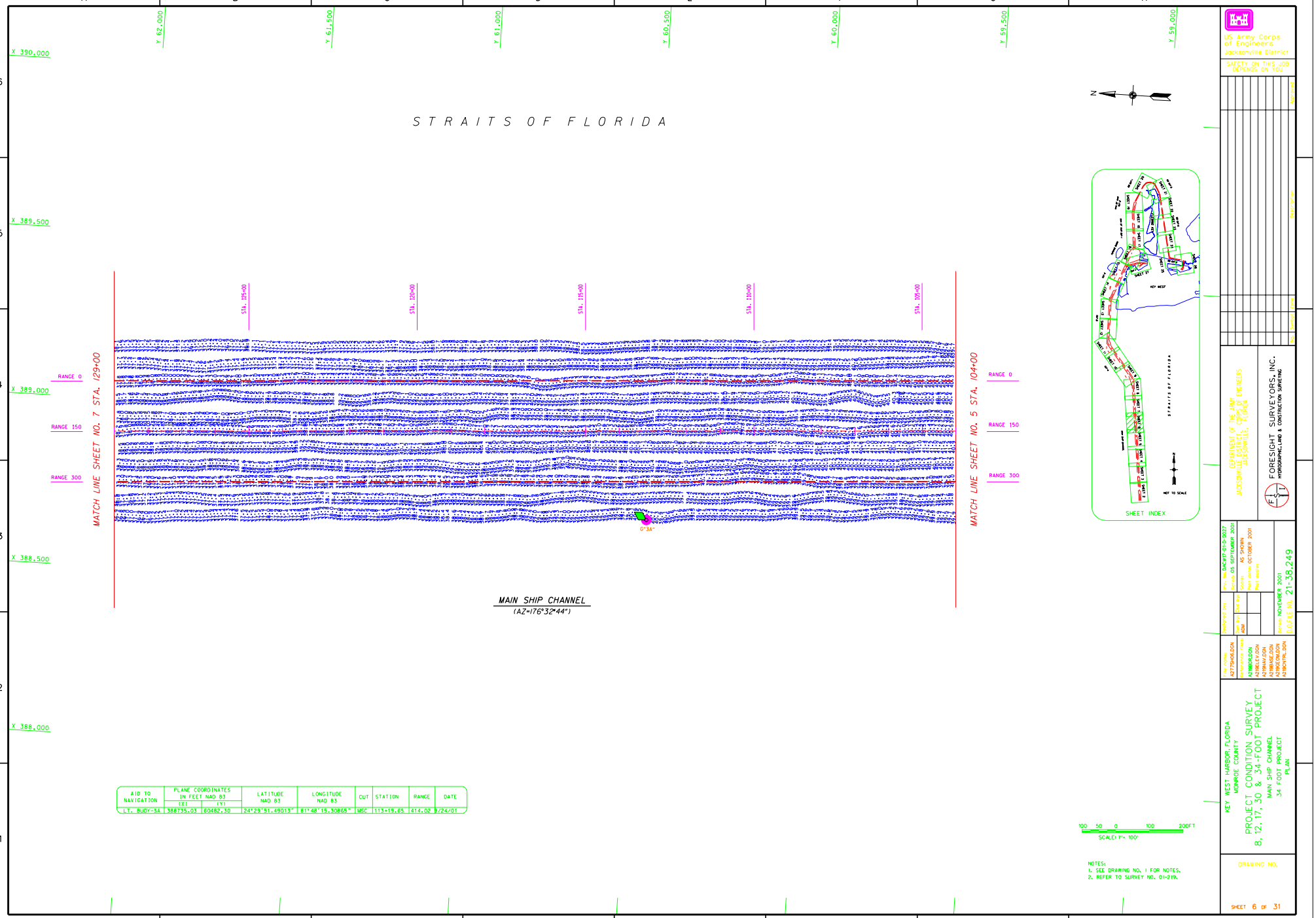

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-3A	388735.03	60482.30	24°29'51.49013"	81°48'15.30865"	MSC	113+19.65	414.02	9/24/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Contract No. DACW17-01-D-0027
Survey Dates 05 SEPTEMBER 2001
Scales AS SHOWN
Plot Dates OCTOBER 2001
Plot Number
Designed SVY
Drawn ADM
Checked
Submitted NOVEMBER 2001
O.A.FILE NO. 21-38,249

File names:
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Reference Files:
A219BDR.DGN
A219BAT.DGN
A219MAV.DGN
A219BASE.DGN
A219SCHA.DGN
A219DATA.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 6 OF 31

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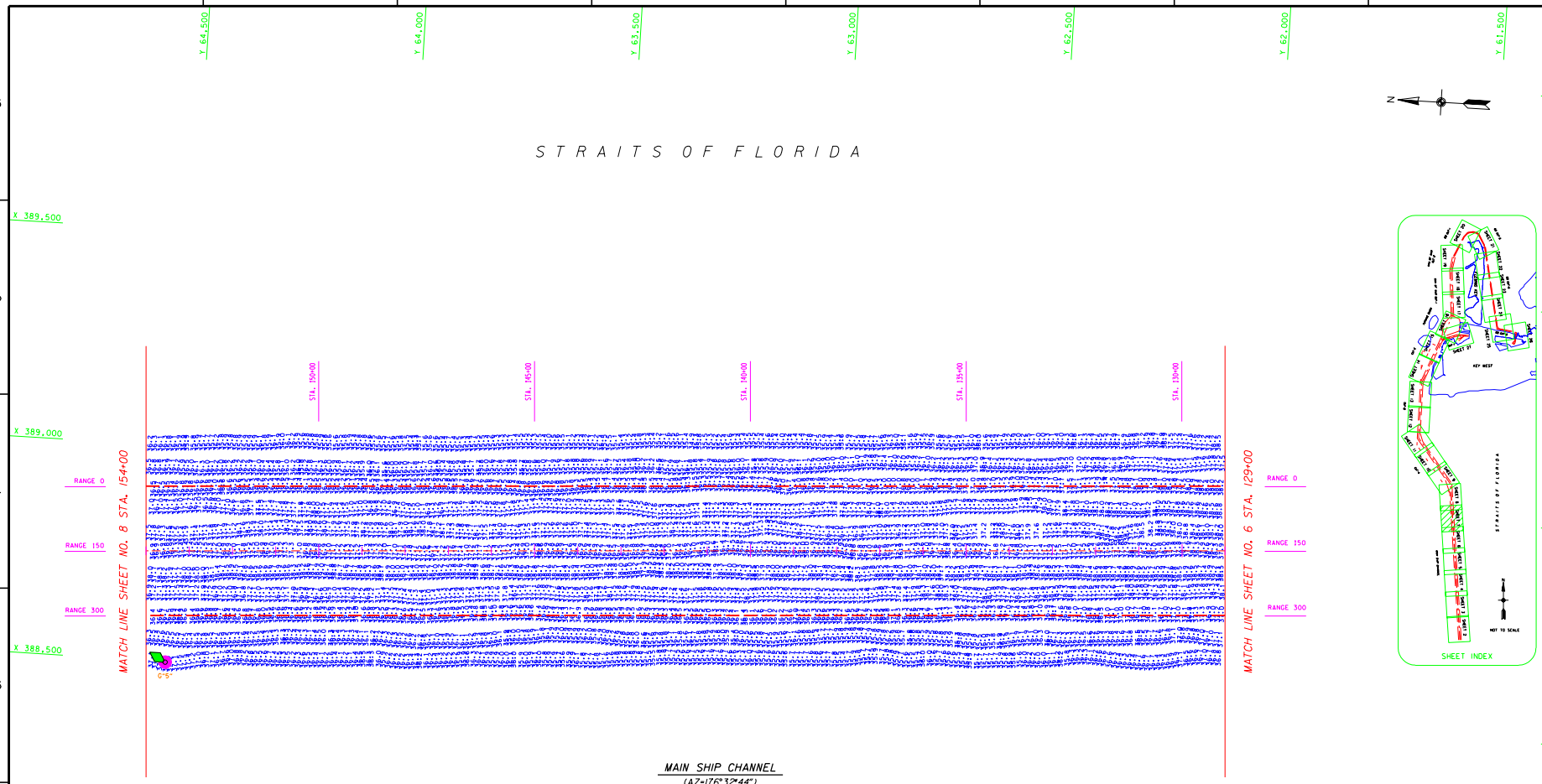

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-5	388497.75	64512.07	24°30'31.39514"	81°48'18.13156"	MSC	153+56.39	408.05	9/24/01

100 50 0 100 200FT
SCALE: 1"= 100'

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Description	Date	Approved

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Inv. No. DACW17-01-D-0027
Dates 05 SEPTEMBER 2001
Scale: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:
Date: NOVEMBER 2001
D.O.FILE NO. 21-38,249

Designed by:
Dwn by: ADM
Ckd by:
Ckd Dwn by:

File name: A27TSH07.DGN
Reference files: A219BDR.DGN A219ELEV.DGN A219HAV.DGN A219BASE.DGN A219GEOM.DGN A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 7 OF 31

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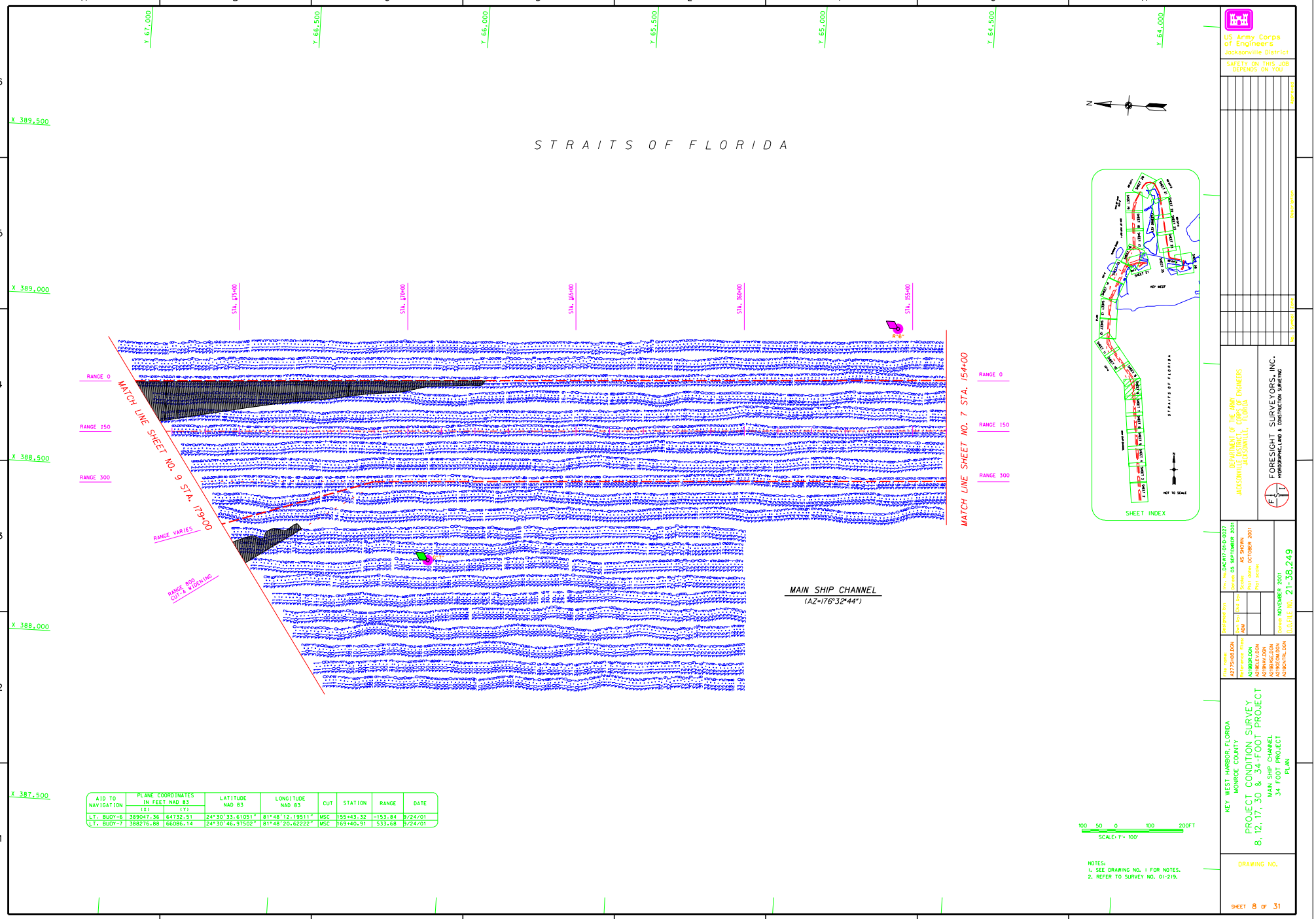

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-6	389047.36	64732.51	24°30'33.61051"	81°48'12.19511"	MSC	155+43.32	-153.84	9/24/01
LT. BUOY-7	388276.88	66086.14	24°30'46.97502"	81°48'20.62222"	MSC	169+40.91	533.68	9/24/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

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No.	Date	Description	Approved

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Inv. No. DACW17-01-D-0027
Date: 05 SEPTEMBER 2001
Scale: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:
Date: NOVEMBER 2001
FILE NO. 21-38,249

Designed by:
Drawn by: ADM
Ckd by:
File name: A277SH08.DGN
Reference files: A219BDR.DGN A219ELEV.DGN A219HAV.DGN A219BASE.DGN A219GEOM.DGN A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT

MAIN SHIP CHANNEL
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 8 OF 31

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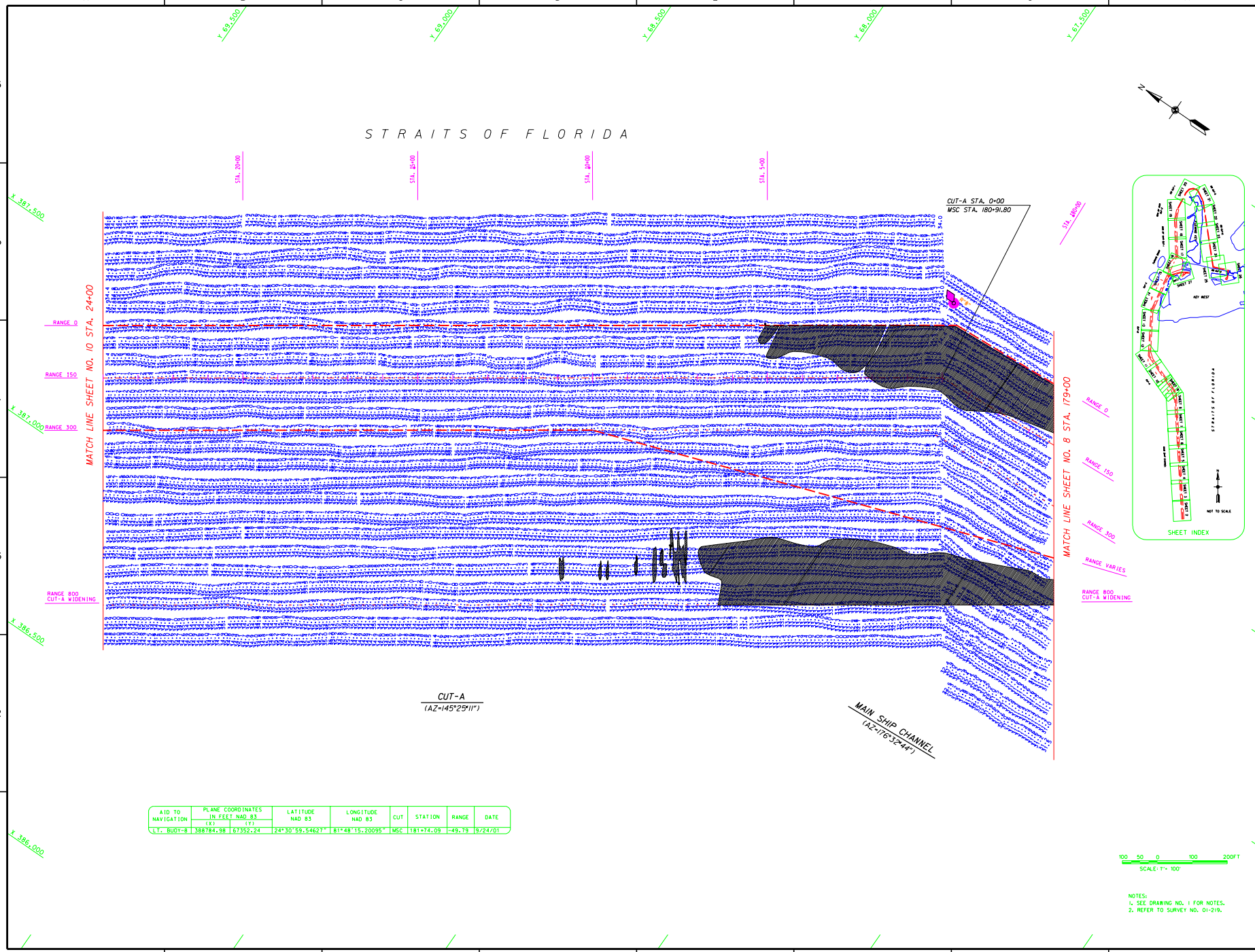

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-8	388784.98	67352.24	24°30'59.54627"	81°48'15.20095"	MSC	181+74.09	-49.79	9/24/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
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JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Drawn: NOVEMBER 2001
D.O.FILE NO. 21-38,249

Drawing No. DACW17-01-D-0027
Date 05 SEPTEMBER 2001
Scales AS SHOWN
Plotted: OCTOBER 2001

Designed by: ADM

File names:
A219SH09.DGN
A219SH09.TXT
A219BASE.DGN
A219CUTA.DGN
A219SHTA.DGN
A219SHTB.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAIN SHIP CHANNEL CUT -A
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 9 OF 31

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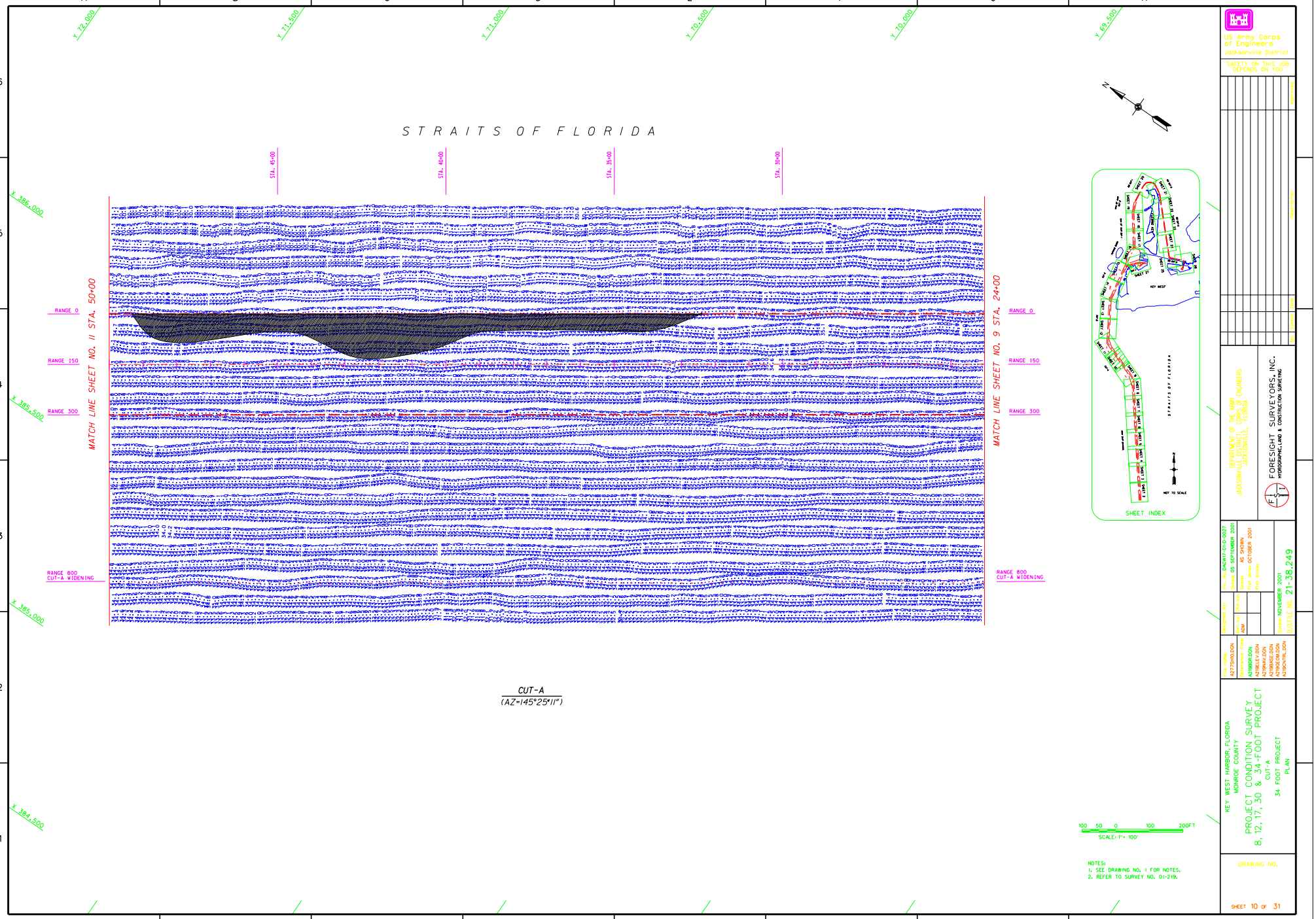

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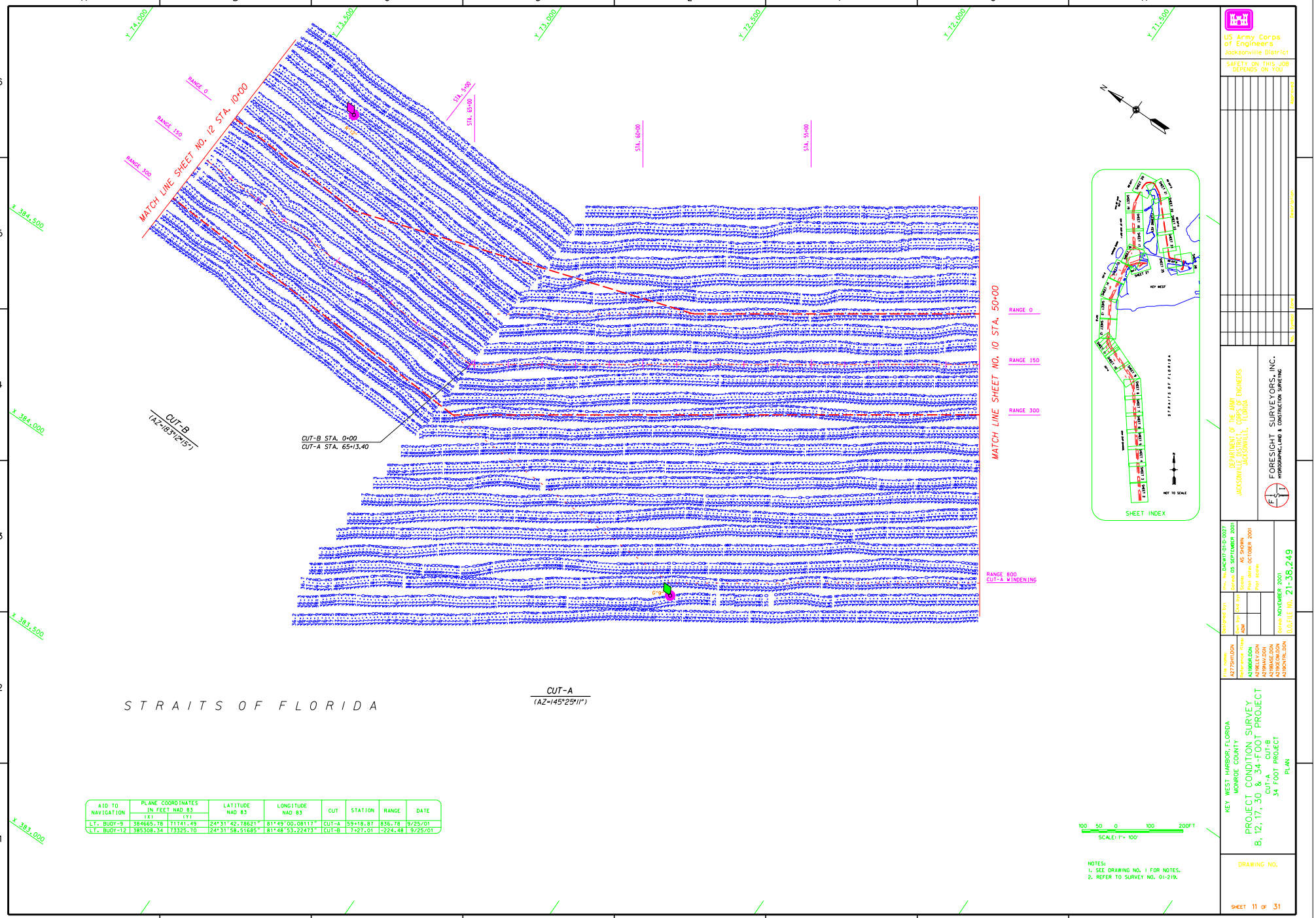

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-9	384665.78	71741.49	24°31'42.78621"	81°49'00.08117"	CUT-A	59+18.87	836.78	9/25/01
LT. BUOY-12	385308.34	73325.70	24°31'58.51685"	81°48'53.22473"	CUT-B	7+27.01	-224.48	9/25/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Contract No. DACW17-01-D-0027
Drawn 05 SEPTEMBER 2001
Scales AS SHOWN
Plot Dates OCTOBER 2001
Plot Scales
Designed SVY
Drawn ADM
Checked
Date NOVEMBER 2001
D.O.FILE NO. 21-38,249

File names:
A273SHT.DGN
Reference Files:
A219BDR.DGN
A219FEA.DGN
A219MAJ.DGN
A219BASE.DGN
A219CONT.DGN
A280ATTR.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
CUT-A CUT-B
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 11 OF 31

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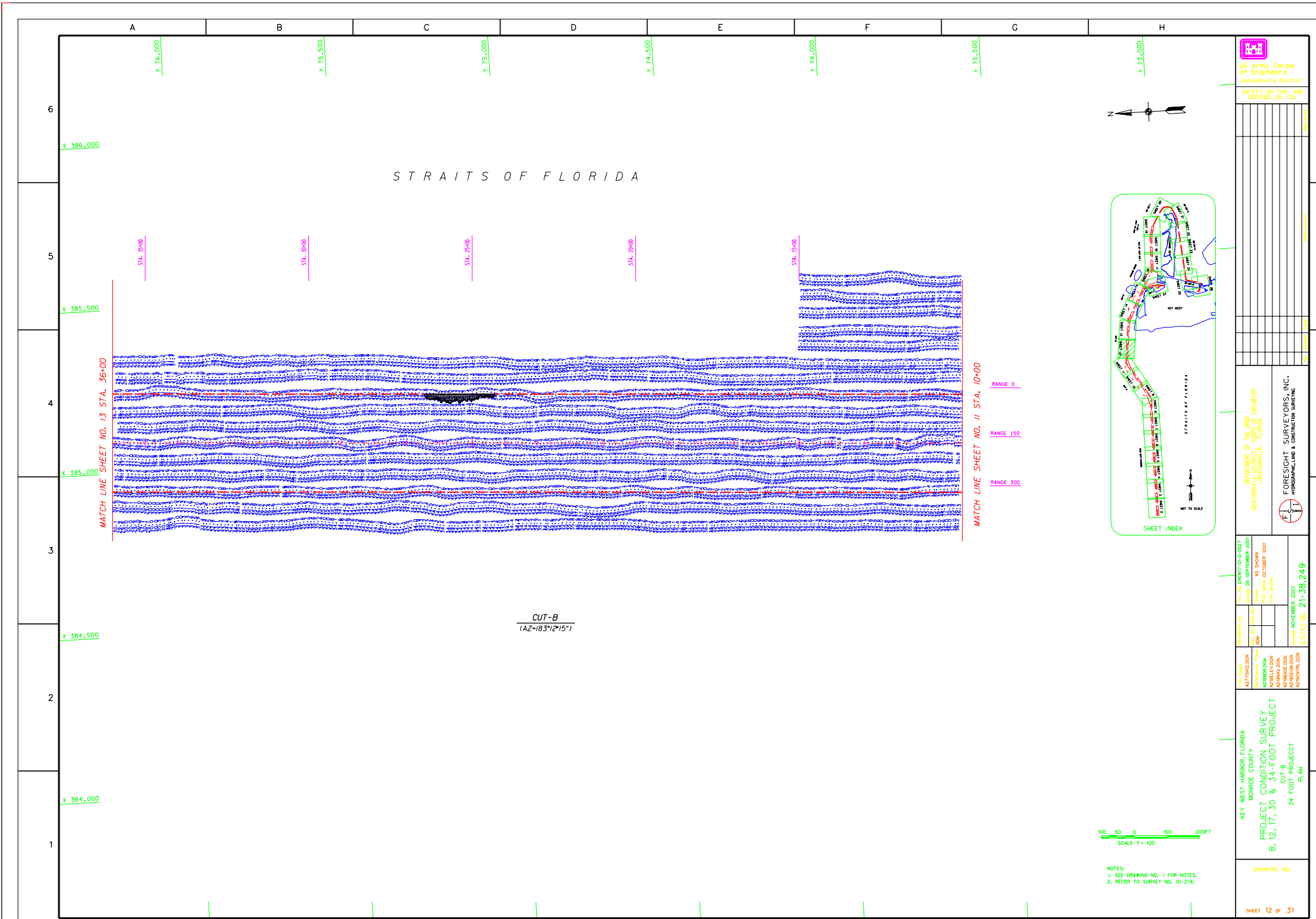

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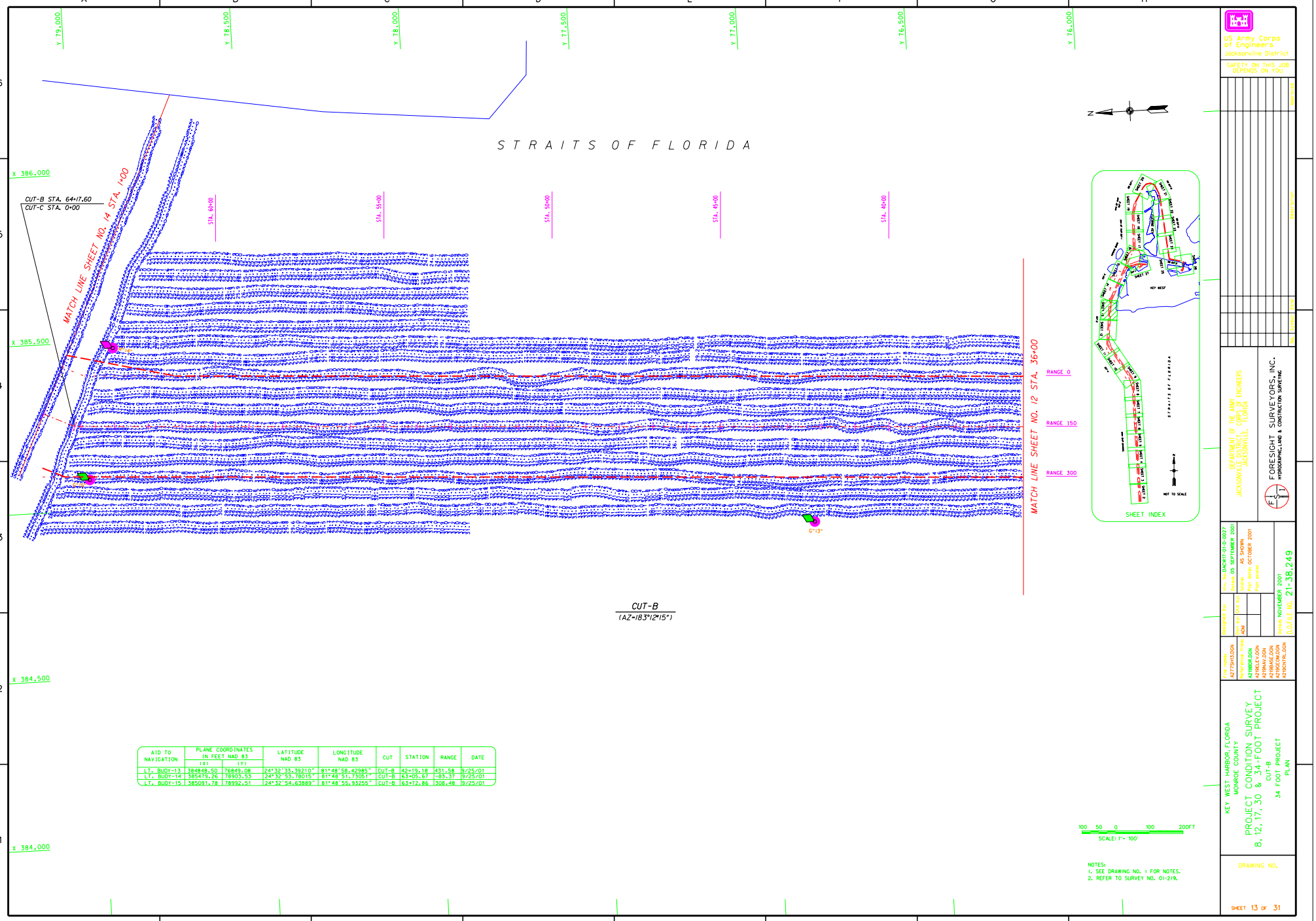

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-13	384848.50	76849.08	24°32'33.39210"	81°48'58.42985"	CUT-B	42+19.18	431.58	9/25/01
LT. BUOY-14	385479.26	78905.53	24°32'53.78015"	81°48'51.73051"	CUT-B	63+05.67	-83.37	9/25/01
LT. BUOY-15	385091.78	78992.51	24°32'54.63889"	81°48'55.93255"	CUT-B	63+72.86	308.48	9/25/01

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Dwg. No. DACW17-01-D-0027
Dated: 03 SEPTEMBER 2001
Scales: AS SHOWN
For dates: OCTOBER 2001
thru dates:
Plotted: NOVEMBER 2001
D.O.FILE NO. 21-38.249

Designed by:
Drawn by: ADM
Quality Check by:

File names:
A219SH13.DGN
Reference files:
A219BOA.DGN
A219CLC.DGN
A219NAV.DGN
A219BASE.DGN
A219SCONS.DGN
A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
CUT-B
34 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 13 OF 31

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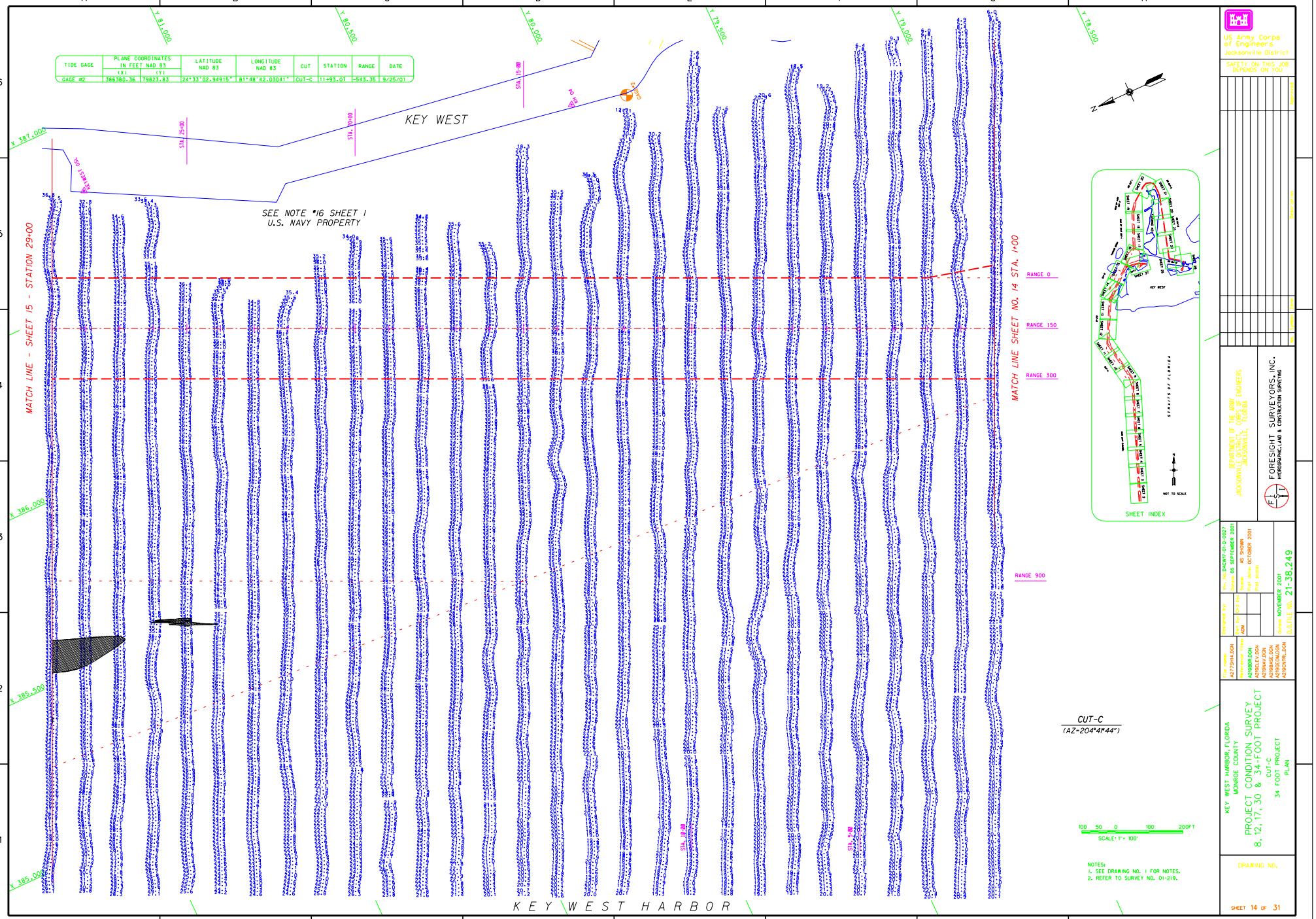

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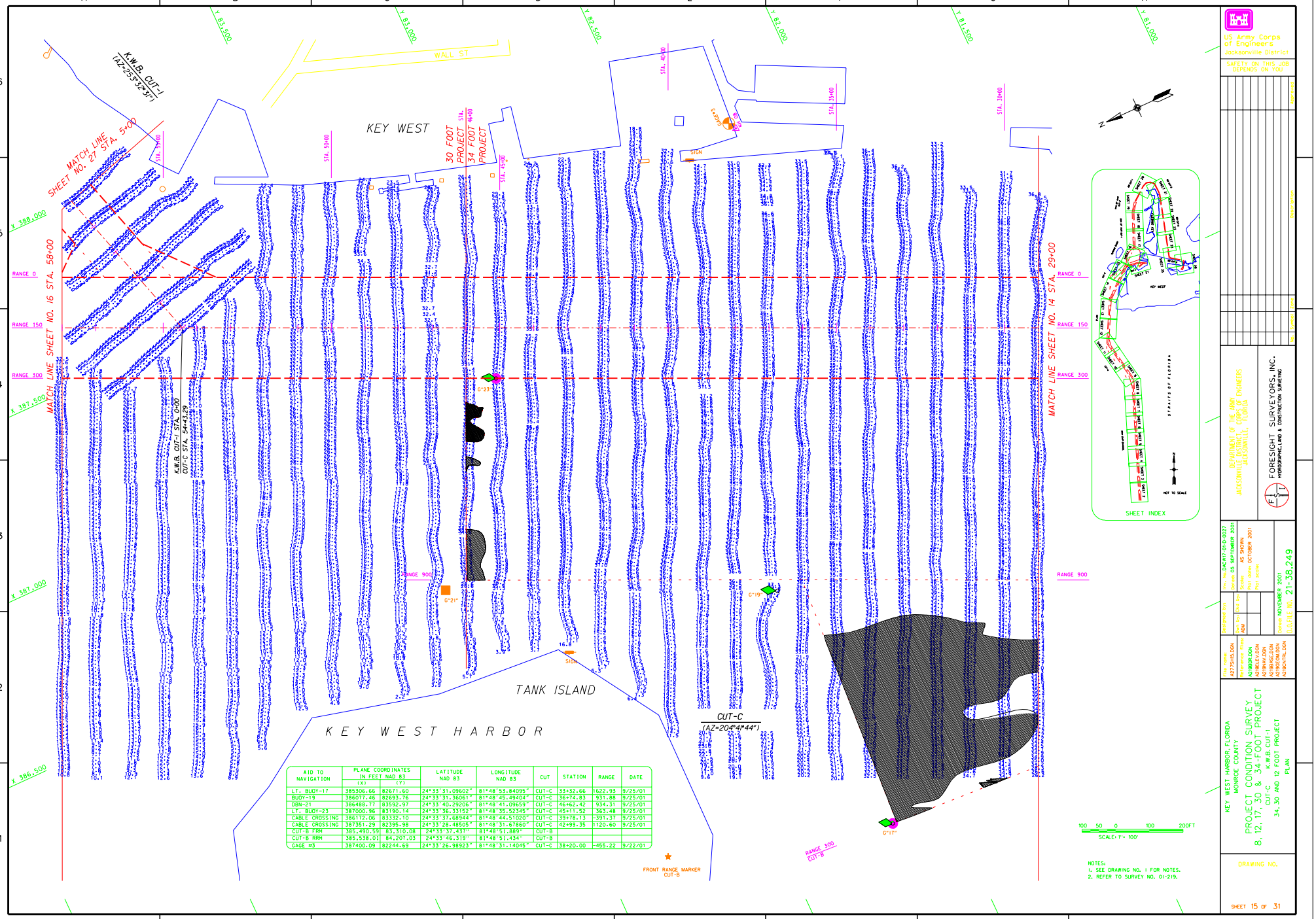

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-17	385306.66	82671.60	24°33'31.09602"	81°48'53.84095"	CUT-C	33+32.66	1622.93	9/25/01
BUOY-19	386077.46	82693.76	24°33'31.36061"	81°48'45.49404"	CUT-C	36+74.83	931.88	9/25/01
DBN-21	386488.77	83592.97	24°33'40.29206"	81°48'41.09659"	CUT-C	46+62.42	934.31	9/25/01
LT. BUOY-23	387000.96	83190.14	24°33'36.33152"	81°48'35.92345"	CUT-C	45+11.52	363.48	9/25/01
CABLE CROSSING	386172.06	83332.10	24°33'37.68944"	81°48'44.51020"	CUT-C	39+78.13	-391.37	9/25/01
CABLE CROSSING	387351.29	82395.98	24°33'28.48505"	81°48'31.67860"	CUT-C	42+99.35	1120.60	9/25/01
CUT-B FRM	385,490.59	83,310.08	24°33'37.437"	81°48'51.889"	CUT-B			
CUT-B RRM	385,538.01	84,207.03	24°33'46.319"	81°48'51.434"	CUT-B			
GAGE #3	387400.09	82244.69	24°33'26.98923"	81°48'31.14045"	CUT-C	38+20.00	-455.22	9/22/01

US Army Corps of Engineers
Jacksonville District
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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Corps No. DACW17-01-D-0027
Survey Date 05 SEPTEMBER 2001
Plot Scale AS SHOWN
Plot Date OCTOBER 2001
Plot Number
Contract No.
Design NOVEMBER 2001
DACTILE NO. 21-38,249
Designed SSY
Drawn ADM
Check
Project Engr.
File name: X275HSLDGN
Reference Files: X219BDR.DGN, X219BAS.DGN, X219MAV.DGN, X219BASE.DGN, X219CUM.DGN, X219CNTR.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
K.W.B. CUT-1
CUT-C
34, 30 AND 12 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 15 OF 31

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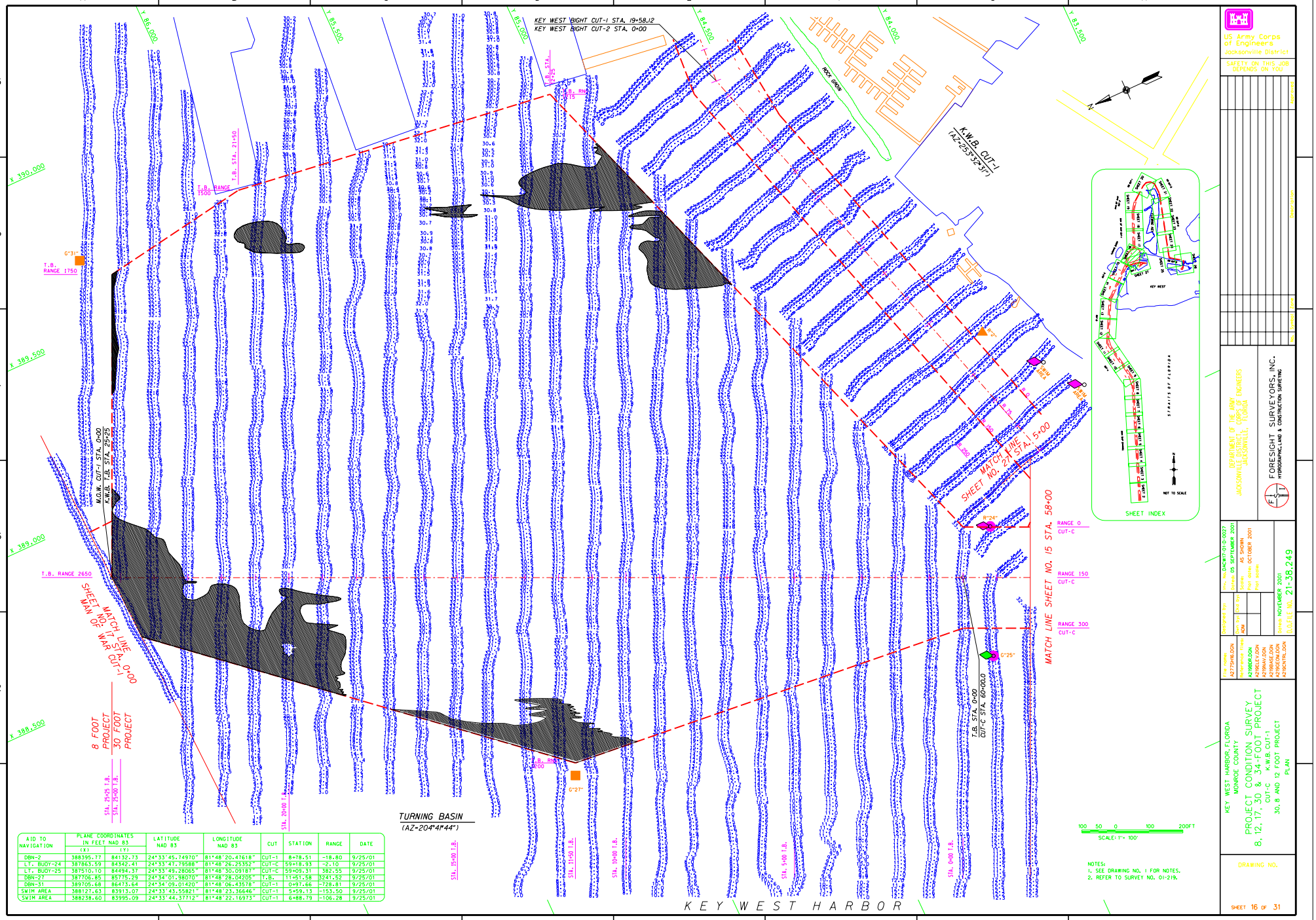

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-2	388395.77	84132.73	24°33'45.74970"	81°48'20.47618"	CUT-1	8+78.51	-18.80	9/25/01
LT. BUOY-24	387863.59	84342.41	24°33'47.79588"	81°48'26.25352"	CUT-C	59+18.93	-2.10	9/25/01
LT. BUOY-25	387510.10	84494.37	24°33'49.28065"	81°48'30.09187"	CUT-C	59+09.31	382.55	9/25/01
DBN-27	387706.85	85775.29	24°34'01.98070"	81°48'28.04205"	T.B.	11+51.58	3241.52	9/25/01
DBN-31	389705.68	86473.64	24°34'09.01420"	81°48'06.43578"	CUT-1	0+97.66	-728.81	9/25/01
SWIM AREA	388127.63	83913.07	24°33'43.55821"	81°48'23.36646"	CUT-1	5+59.13	-153.50	9/25/01
SWIM AREA	388238.60	83995.09	24°33'44.37712"	81°48'22.16973"	CUT-1	6+88.79	-106.28	9/25/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Inv. No. DACW17-01-D-0027
Dates: 05 SEPTEMBER 2001
Scale: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:
Dated: NOVEMBER 2001
DUO FILE NO. 21-38,249

File name: A279SH16.DGN
Reference files: A219BDR.DGN A219ELEV.DGN A219NAV.DGN A219BASE.DGN A219GEOM.DGN A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
CUT-C K.W.B. CUT-1
30, 8 AND 12 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 16 OF 31

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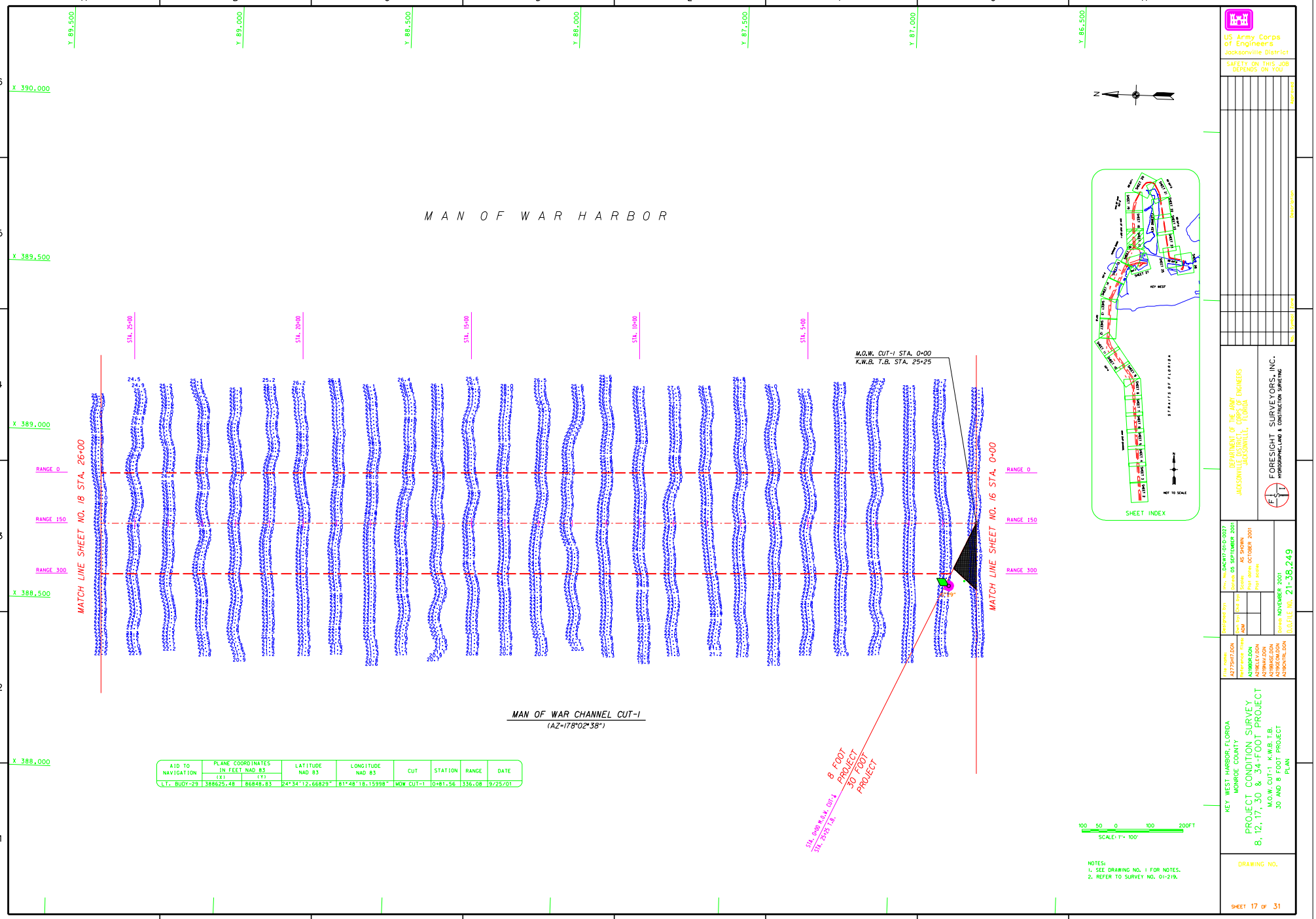

MAN OF WAR CHANNEL CUT-1
(AZ=178°02'38")

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
LT. BUOY-29	388625.48	86848.83	24°34'12.66829"	81°48'18.15998"	MOW CUT-1	0+81.56	336.08	9/25/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Designed by: | Drw. No. DACW17-01-D-0027
Date: 05 SEPTEMBER 2001
Scale: AS SHOWN
Plot date: OCTOBER 2001
Plot scale:
Date: NOVEMBER 2001
DUO FILE NO. 21-38,249

File name: A277SH17.DGN
Reference files: A219BDR.DGN, A219ELEV.DGN, A219HAV.DGN, A219BASE.DGN, A219DEOM.DGN, A219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
M.O.W. CUT-1 K.W.B. T.B.
30 AND 8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 17 OF 31

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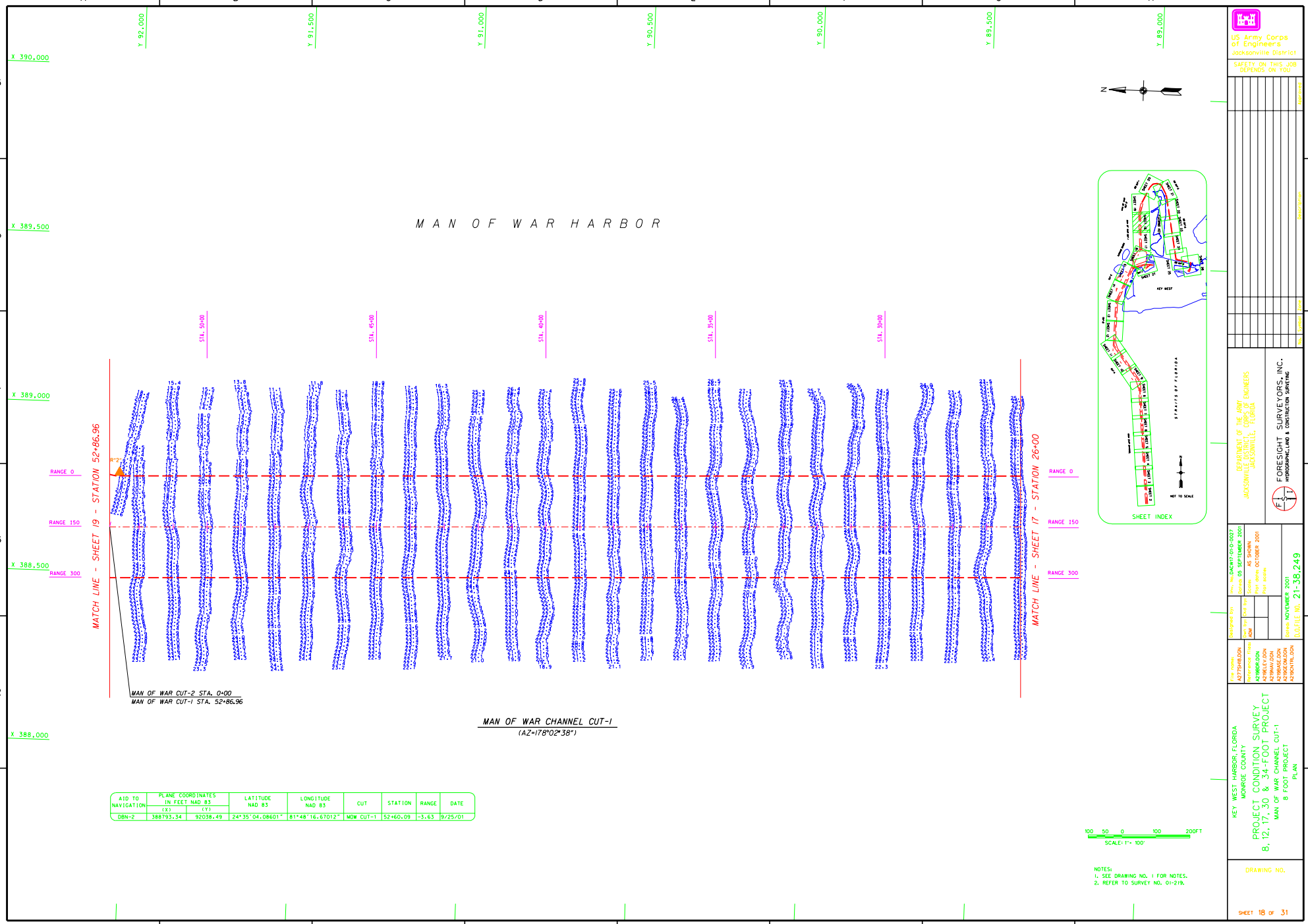

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-2	388793.34	92038.49	24°35'04.08601"	81°48'16.67012"	MOW CUT-1	52+60.09	-3.63	9/25/01

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Contract No. DACW17-01-D-0027
Drawn 03 SEPTEMBER 2001
Scale AS SHOWN
Plot Date OCTOBER 2001
Plot Scale
Designed SVY
Drawn ADM
Checked
Submitted NOVEMBER 2001
DUDLEY NO. 21-38,249

File names:
X275HSLDGN
Reference Files:
X219BDR.DGN
X219HEC.DGN
X219HAV.DGN
X219BASE.DGN
X219CCM.DGN
X219CNTRL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
MAN OF WAR CHANNEL CUT-1
8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 18 OF 31

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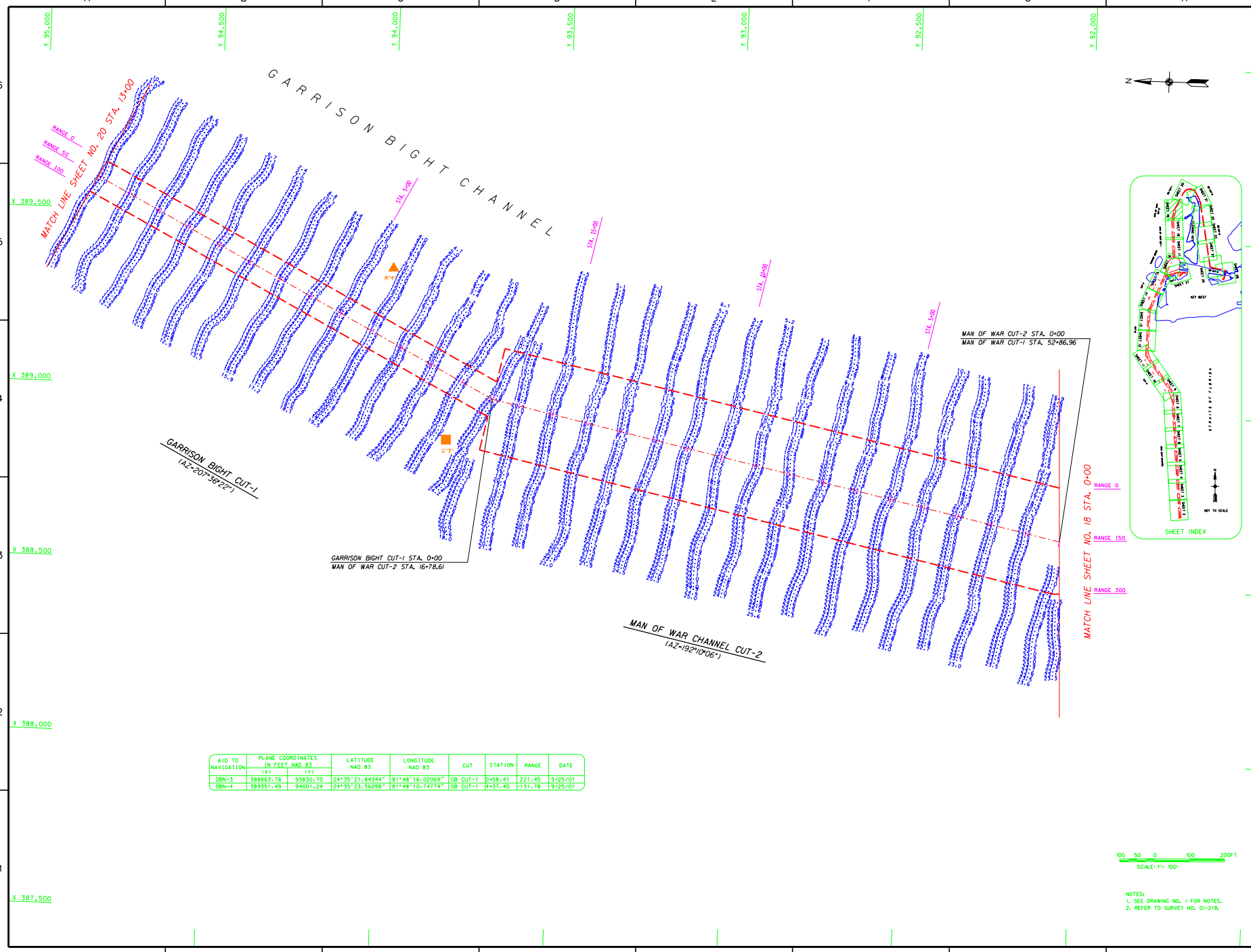

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-3	388863.76	93830.70	24°35'21.84344"	81°48'16.02069"	GB CUT-1	0+58.41	221.45	9/25/01
DBN-4	389351.49	94001.24	24°35'23.56098"	81°48'10.74174"	GB CUT-1	4+37.40	131.78	9/25/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

US Army Corps of Engineers
Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Contract No. DACW17-01-D-0027
Scales: OS SEPTEMBER 2001
AS SHOWN
For plans: OCTOBER 2001
For review:
Designed by:
Drawn by: ADM
Checked by:
Date: NOVEMBER 2001
A.O.File No. 21-38,249

File names:
A2775HYDR.DGN
Reference files:
A219BDRY.DGN
A219BEAC.DGN
A219BAY.DGN
A219BASE.DGN
A219BCNL.DGN
A219BATHL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
GARRISON BIGHT CUT-1 MAN OF WAR CUT-2
8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 19 OF 31

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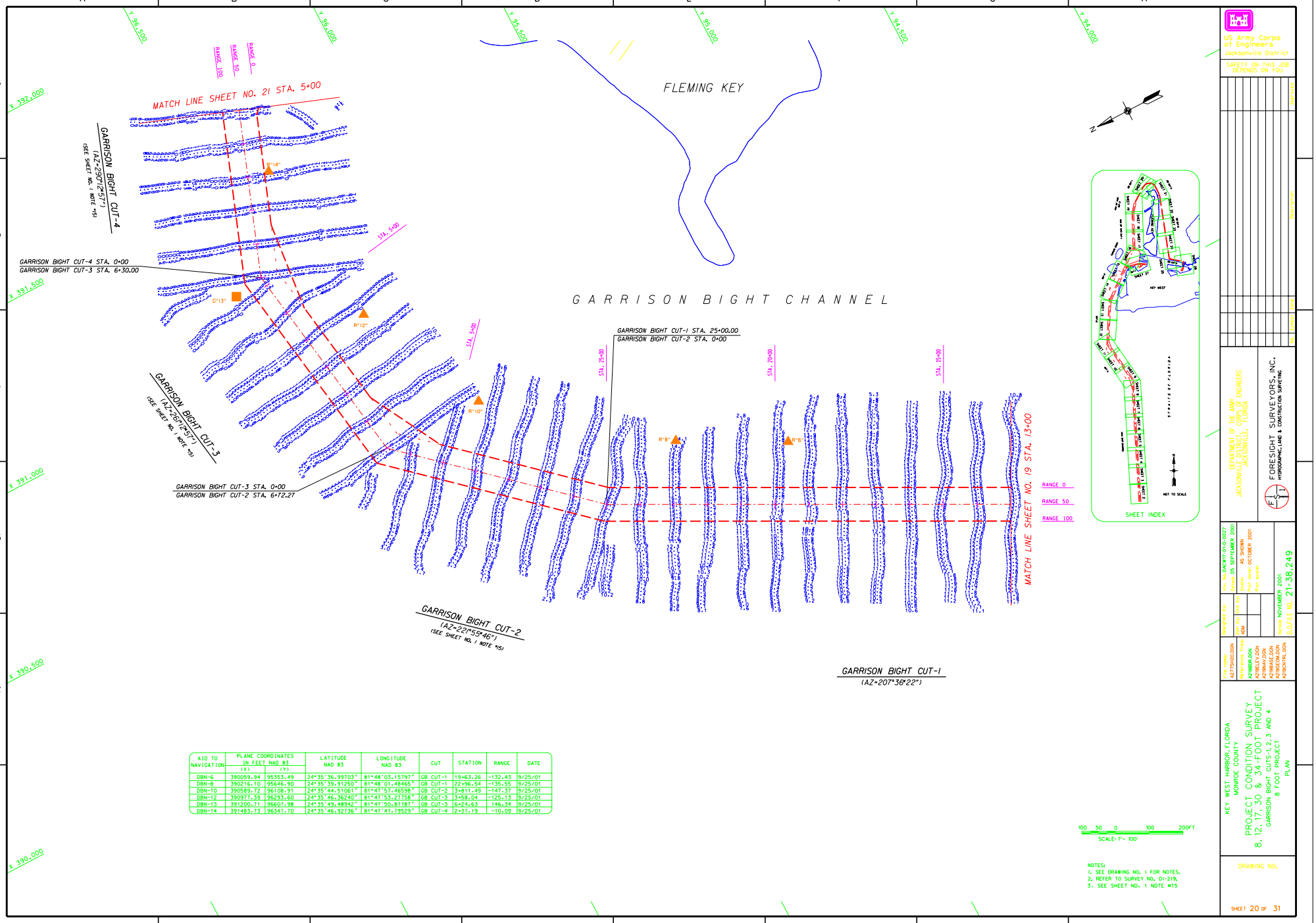

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-6	390059.94	95353.49	24°35'36.99703"	81°48'03.15797"	GB CUT-1	19+63.26	-132.43	9/25/01
DBN-8	390216.10	95646.90	24°35'39.91250"	81°48'01.48465"	GB CUT-1	22+96.54	-135.55	9/25/01
DBN-10	390589.72	96108.91	24°35'44.51061"	81°47'57.46598"	GB CUT-2	3+811.49	-147.37	9/25/01
DBN-12	390977.59	96293.80	24°35'46.36240"	81°47'53.27158"	GB CUT-3	3+58.04	-125.13	9/25/01
DBN-13	391200.71	96607.98	24°35'49.48942"	81°47'50.87187"	GB CUT-3	6+24.63	146.34	9/25/01
DBN-14	391483.73	96347.70	24°35'46.92736"	81°47'47.79529"	GB CUT-4	2+37.19	-10.09	9/25/01

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.
3. SEE SHEET NO. 1 NOTE #15

US Army Corps of Engineers
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JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Proj. No. DACW17-01-D-0027
Surveyed 05 SEPTEMBER 2001
Scales AS SHOWN
Plot date OCTOBER 2001
Plot scale
Date Plotted
Drawn by ADM
Checked by
Plotted NOVEMBER 2001
D.O.F.I.L.E NO. 21-38.249

File name: A219SHEET.DGN
Reference files: A219BASE.DGN, A219GRID.DGN, A219NAV.DGN, A219BASE.DGN, A219CELL.DGN, A219CONTEL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY

PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
GARRISON BIGHT CUTS-1, 2, 3 AND 4
8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 20 OF 31

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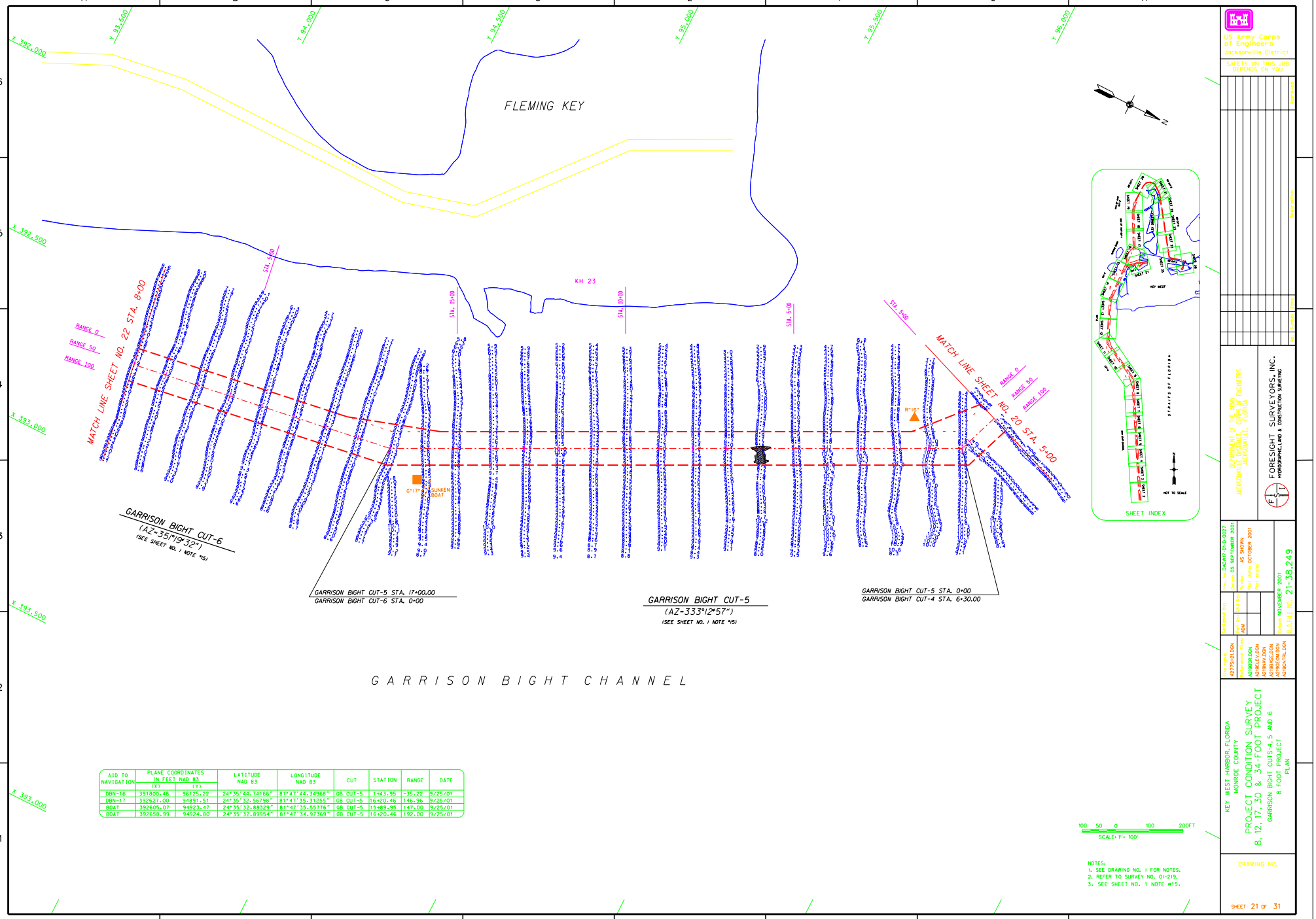

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-16	391800.48	96125.22	24°35'44.74166"	81°47'44.34968"	GB CUT-5	1+43.95	-35.22	9/25/01
DBN-17	392627.00	94891.51	24°35'32.56798"	81°47'35.31255"	GB CUT-5	16+20.46	146.96	9/25/01
BOAT	392605.07	94923.47	24°35'32.88329"	81°47'35.55776"	GB CUT-5	15+89.95	147.00	9/25/01
BOAT	392658.99	94924.80	24°35'32.89954"	81°47'34.97369"	GB CUT-5	16+20.46	192.00	9/25/01

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JACKSONVILLE, FLORIDA

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Corps No. DACW17-01-D-0027
Survey 03 SEPTEMBER 2001
Scales AS SHOWN
Plot Dates OCTOBER 2001
Plot Number
Designed SSY
Drawn ADM
Checked
Date NOVEMBER 2001
DUNITE NO. 21-38,249

File names:
X2775H21.DGN
Reference Files:
A219BDR.DGN
A219EAST.DGN
A219MAY.DGN
A219BASE.DGN
A219GCAU.DGN
A219DATA.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
GARRISON BIGHT CUTS-4, 5 AND 6
8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 21 OF 31

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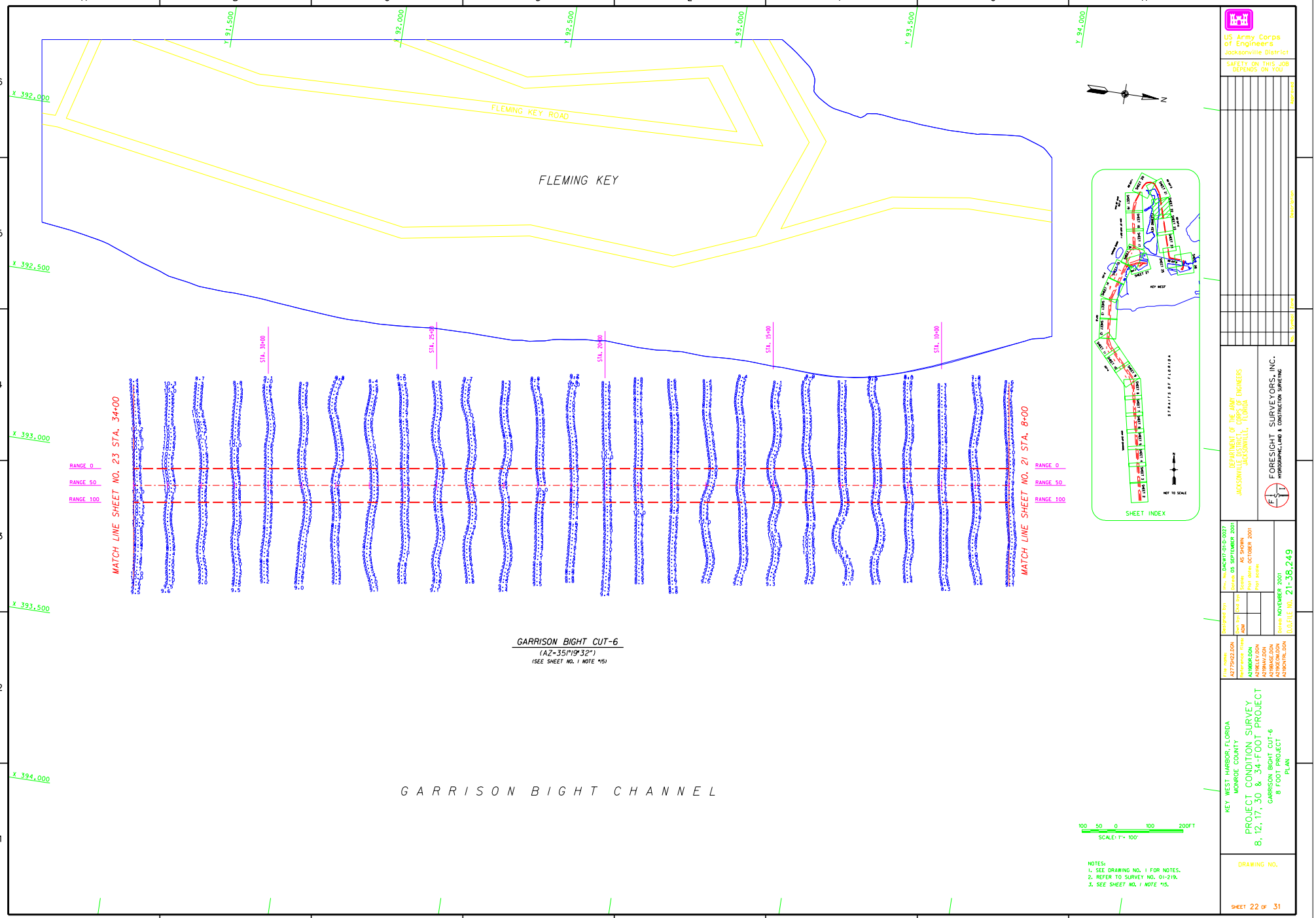

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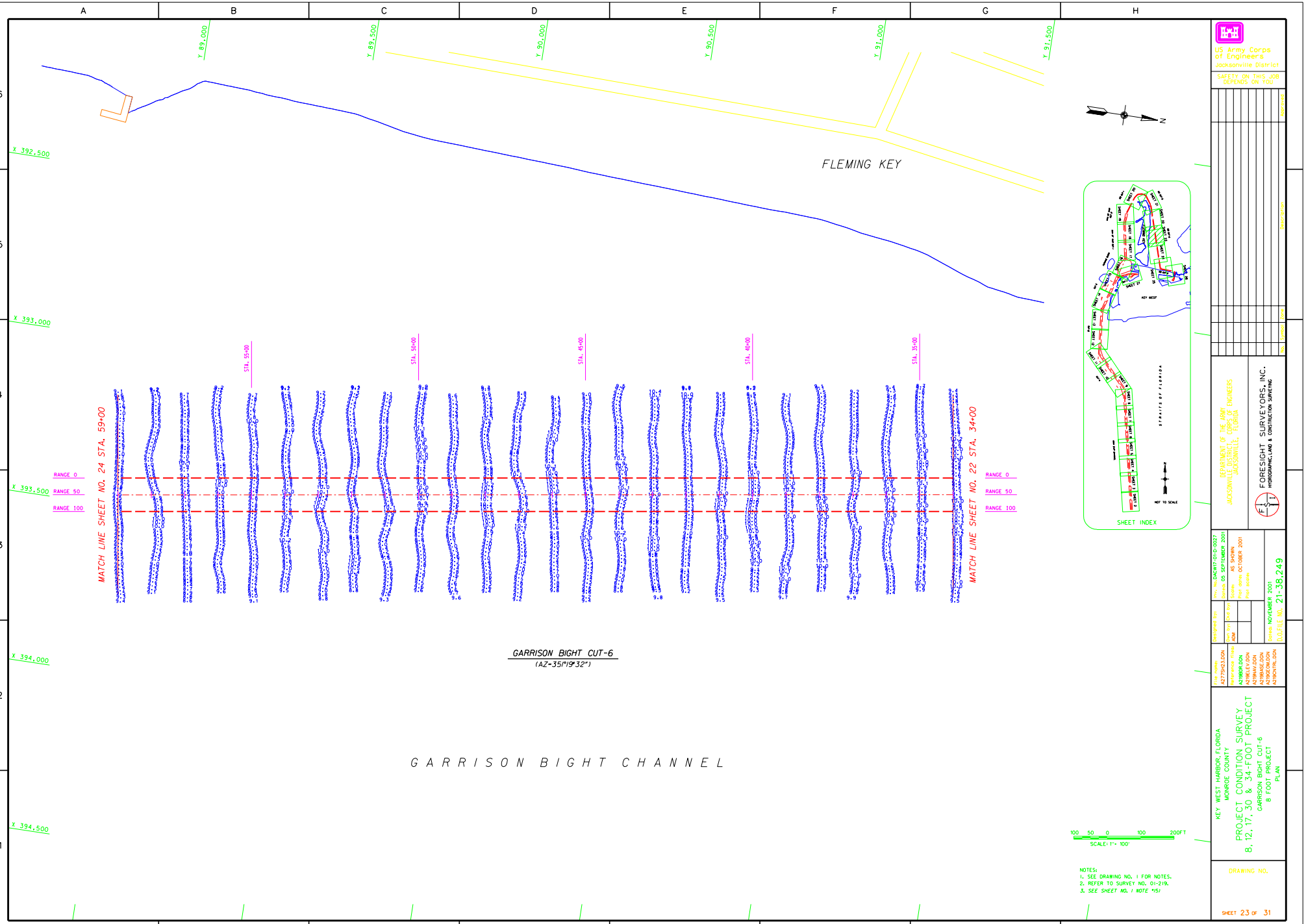

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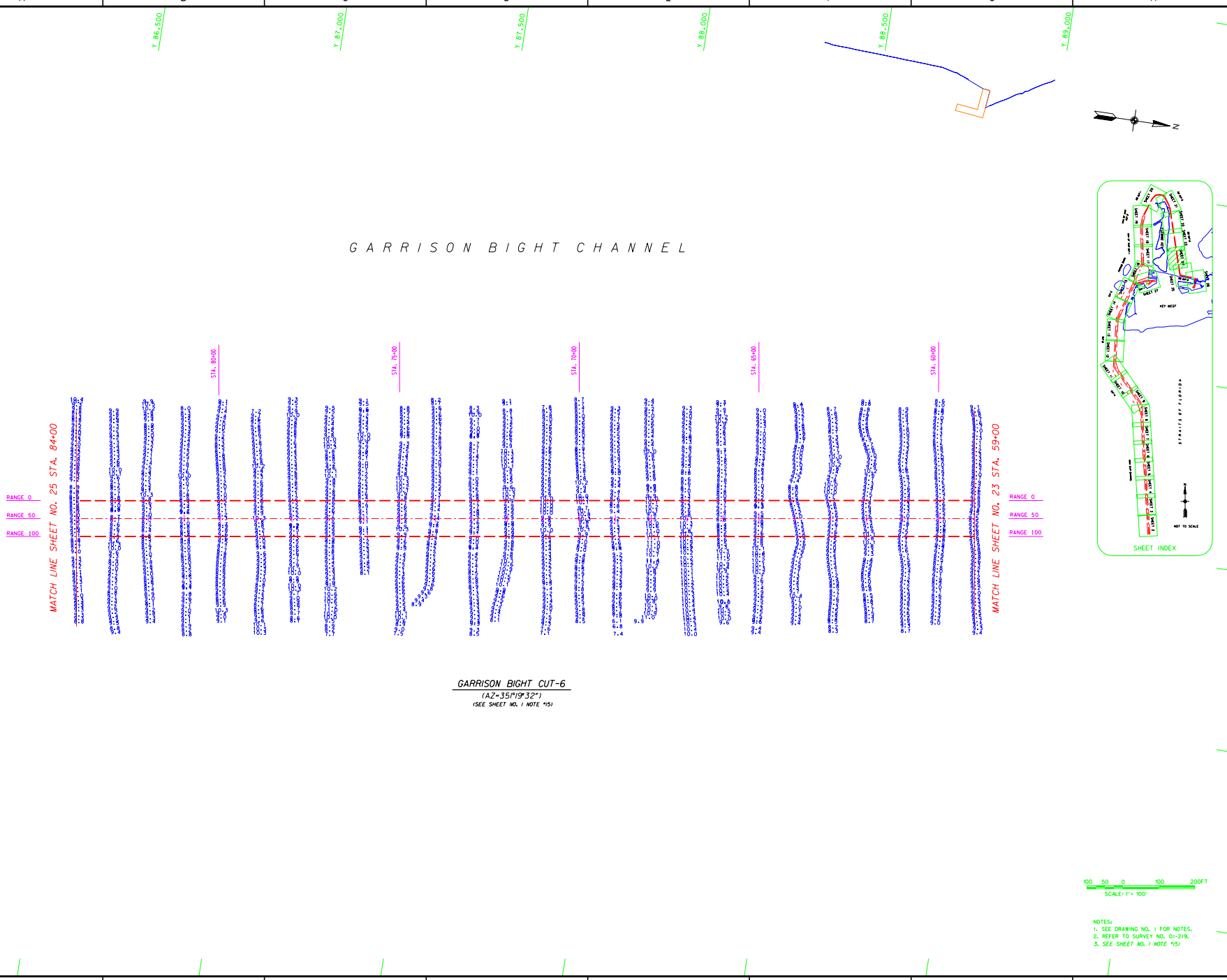

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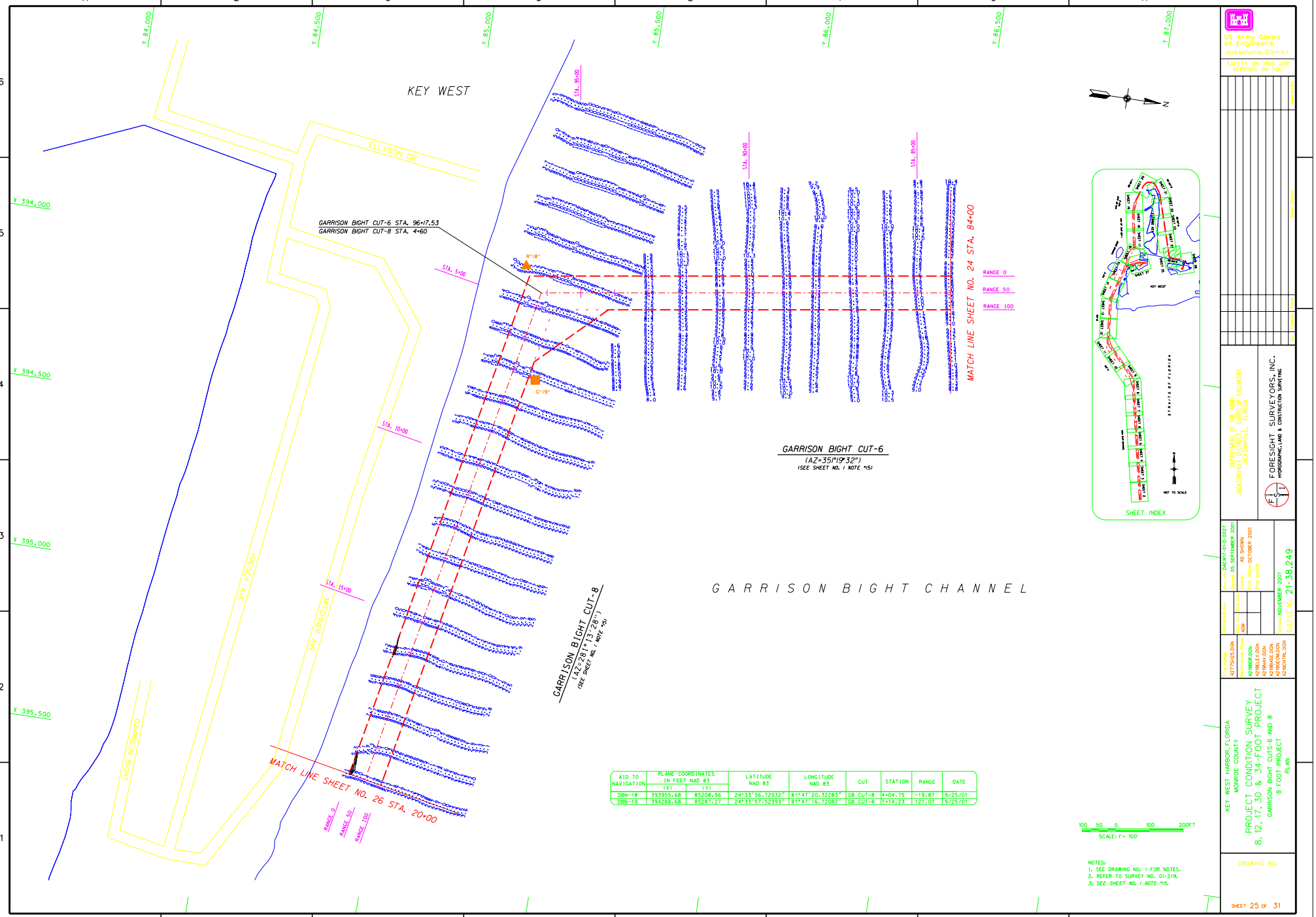

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-18	393955.68	85208.96	24°33'56.72932"	81°47'20.32283"	GB CUT-6	4+04.75	-19.87	9/25/01
DBN-19	394288.68	85281.27	24°33'57.52393"	81°47'16.72082"	GB CUT-8	7+14.23	121.07	9/25/01

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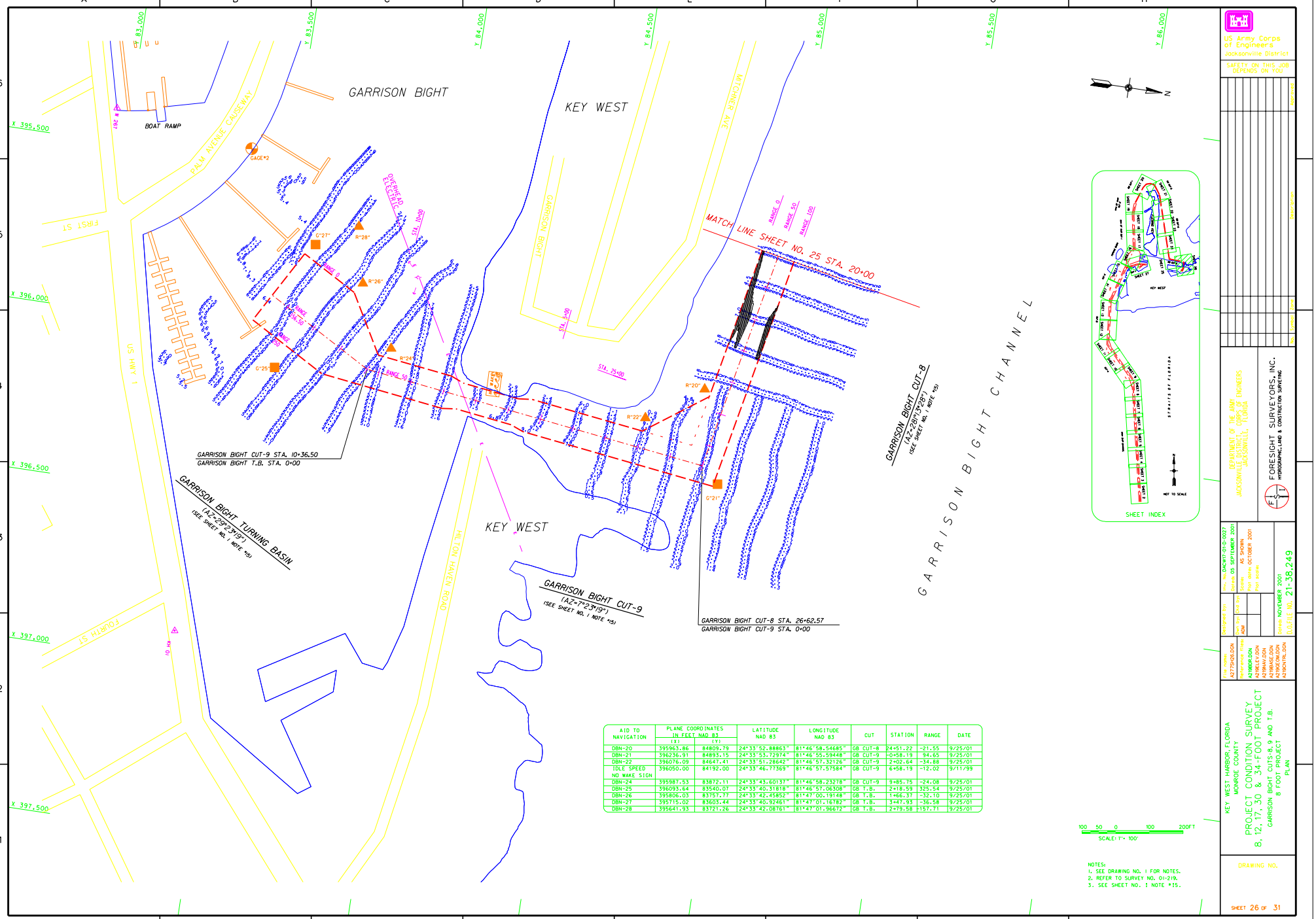

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	STATION	RANGE	DATE
DBN-20	395963.86	84809.79	24°33'52.88863"	81°46'58.54685"	GB CUT-8	24+51.22	-21.55	9/25/01
DBN-21	396236.91	84893.15	24°33'53.72974"	81°46'55.59448"	GB CUT-9	-0+58.19	94.65	9/25/01
DBN-22	396076.09	84647.41	24°33'51.28642"	81°46'57.32126"	GB CUT-9	2+02.64	-34.88	9/25/01
IDLE SPEED NO WAKE SIGN	396050.00	84192.00	24°33'46.77369"	81°46'57.57584"	GB CUT-9	6+58.19	-12.02	9/11/99
DBN-24	395987.53	83872.11	24°33'43.60137"	81°46'58.23218"	GB CUT-9	9+85.75	-24.08	9/25/01
DBN-25	396093.64	83540.07	24°33'40.31818"	81°46'57.06308"	GB T.B.	2+16.59	325.54	9/25/01
DBN-26	395806.03	83757.77	24°33'42.45852"	81°47'00.19148"	GB T.B.	1+66.37	-32.10	9/25/01
DBN-27	395715.02	83603.44	24°33'40.92461"	81°47'01.16782"	GB T.B.	3+47.93	-36.58	9/25/01
DBN-28	395641.93	83721.26	24°33'42.08761"	81°47'01.96672"	GB T.B.	2+79.58	-157.71	9/25/01

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

Dwn. No. DACW17-01-D-0027
Drawn 05 SEPTEMBER 2001
Scales AS SHOWN
Proj. Mgmt. OCTOBER 2001
Proj. Engr.
Designed SVY
Drawn BAM
Checked
Date NOVEMBER 2001
DACFILE NO. 21-38,249

File names:
A27SHEET.DGN
Reference Files:
A219BDR.DGN
A219SEC.DGN
A219MAP.DGN
A219BASE.DGN
A219GCM.DGN
A219DATA.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
GARRISON BIGHT CUTS 8, 9 AND T.B.
8 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 26 OF 31

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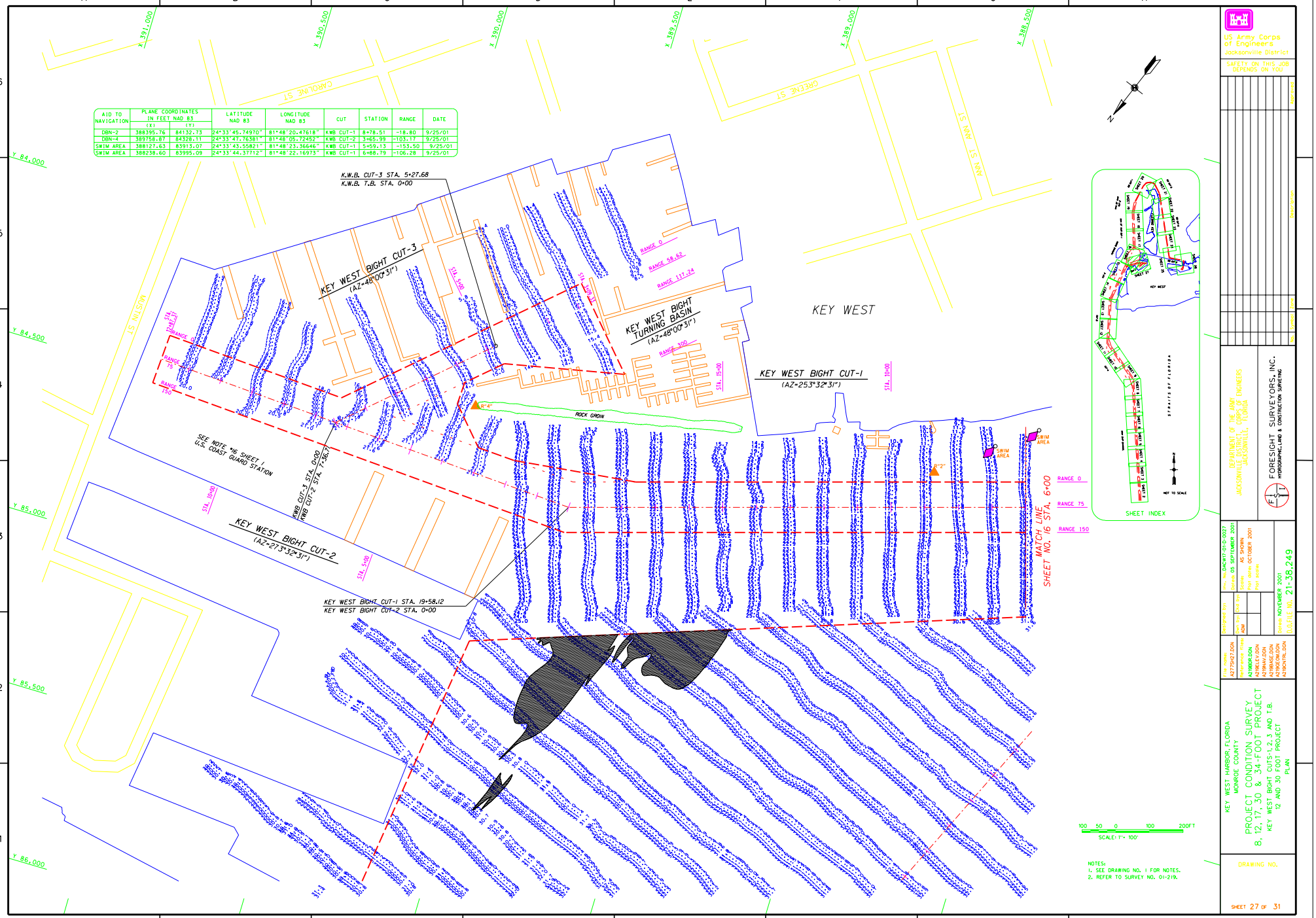

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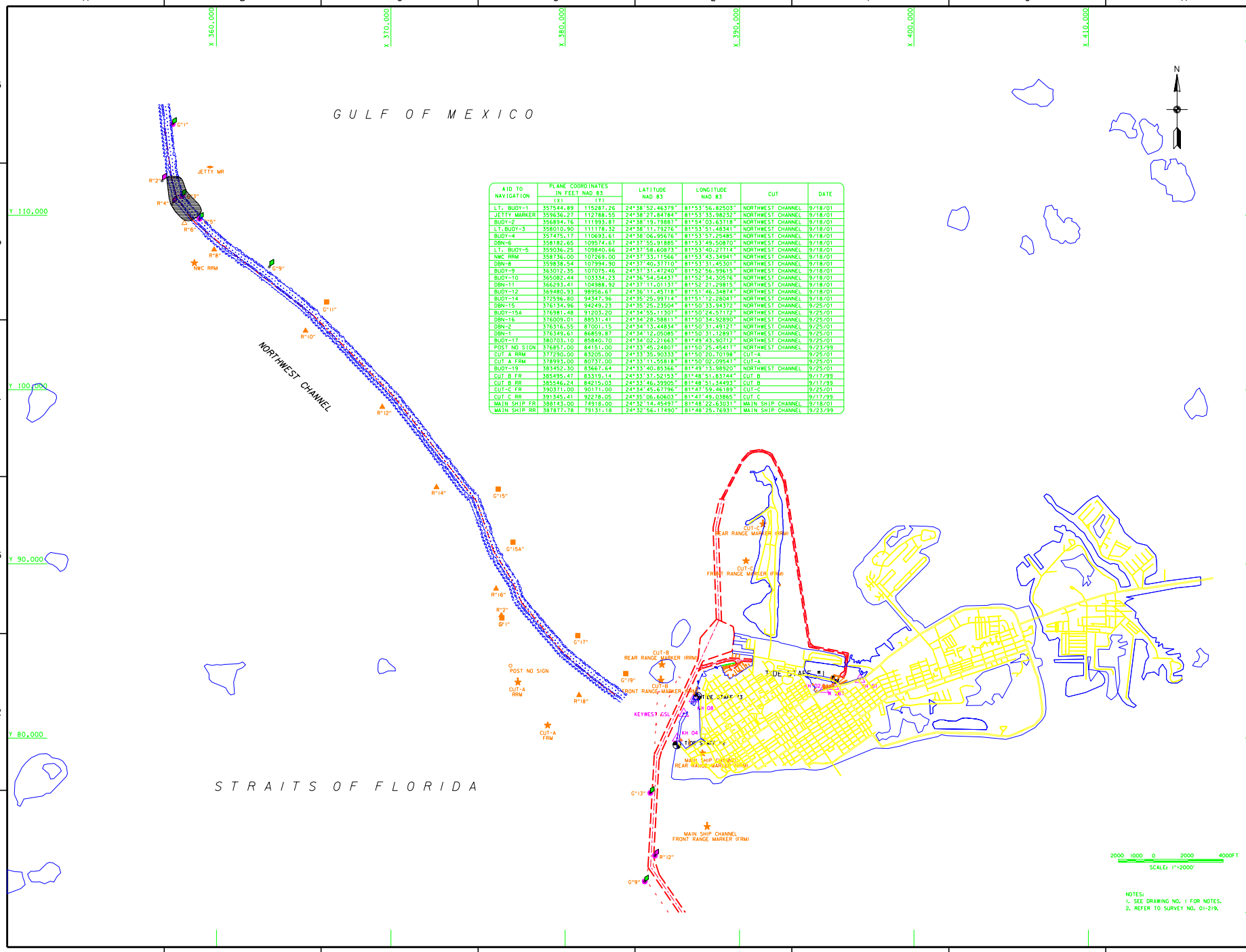


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 83 (X)	(Y)	LATITUDE NAD 83	LONGITUDE NAD 83	CUT	DATE
LT. BUOY-1	357544.89	115287.26	24°38'52.46379"	81°53'56.82503"	NORTHWEST CHANNEL	9/18/01
JETTY MARKER	359636.27	112788.55	24°38'27.84784"	81°53'33.98232"	NORTHWEST CHANNEL	9/18/01
BUOY-2	356894.76	111993.87	24°38'19.79887"	81°54'03.63718"	NORTHWEST CHANNEL	9/18/01
LT.BUOY-3	358010.90	111178.32	24°38'11.79276"	81°53'51.48341"	NORTHWEST CHANNEL	9/18/01
BUOY-4	357475.17	110693.61	24°38'06.95676"	81°53'57.25485"	NORTHWEST CHANNEL	9/18/01
DBN-6	358182.65	109574.67	24°37'55.91885"	81°53'49.50870"	NORTHWEST CHANNEL	9/18/01
LT. BUOY-5	359036.25	109840.66	24°37'58.60873"	81°53'40.27714"	NORTHWEST CHANNEL	9/18/01
NWC RRM	358736.00	107269.00	24°37'33.11566"	81°53'43.34941"	NORTHWEST CHANNEL	9/18/01
DBN-8	359838.54	107994.90	24°37'40.37710"	81°53'31.45301"	NORTHWEST CHANNEL	9/18/01
BUOY-9	363012.35	107075.46	24°37'31.47240"	81°52'56.99615"	NORTHWEST CHANNEL	9/18/01
BUOY-10	365082.44	103334.23	24°36'54.54437"	81°52'34.30576"	NORTHWEST CHANNEL	9/18/01
DBN-11	366293.41	104988.92	24°37'11.01137"	81°52'21.29815"	NORTHWEST CHANNEL	9/18/01
BUOY-12	369480.93	98956.67	24°36'11.45718"	81°51'46.34874"	NORTHWEST CHANNEL	9/18/01
BUOY-14	372596.80	94347.96	24°35'25.99714"	81°51'12.28047"	NORTHWEST CHANNEL	9/18/01
DBN-15	376134.96	94249.23	24°35'25.23504"	81°50'33.94372"	NORTHWEST CHANNEL	9/25/01
BUOY-15A	376981.48	91203.20	24°34'55.11307"	81°50'24.57172"	NORTHWEST CHANNEL	9/25/01
DBN-16	376009.01	88531.41	24°34'28.58811"	81°50'34.92890"	NORTHWEST CHANNEL	9/25/01
DBN-2	376316.55	87001.15	24°34'13.44834"	81°50'31.49127"	NORTHWEST CHANNEL	9/25/01
DBN-1	376349.61	86859.87	24°34'12.05085"	81°50'31.12897"	NORTHWEST CHANNEL	9/25/01
BUOY-17	380703.10	85840.70	24°34'02.21663"	81°49'43.90712"	NORTHWEST CHANNEL	9/25/01
POST NO SIGN	376857.00	84151.00	24°33'45.24807"	81°50'25.45411"	NORTHWEST CHANNEL	9/23/99
CUT A RRM	377290.00	83205.00	24°33'35.90333"	81°50'20.70198"	CUT-A	9/25/01
CUT A FRM	378993.00	80737.00	24°33'11.55818"	81°50'02.09547"	CUT-A	9/25/01
BUOY-19	383452.30	83667.64	24°33'40.85368"	81°49'13.98920"	NORTHWEST CHANNEL	9/25/01
CUT B FR	385495.47	83319.14	24°33'37.52153"	81°48'51.83744"	CUT B	9/17/99
CUT B RR	385546.24	84215.03	24°33'46.39905"	81°48'51.34493"	CUT B	9/17/99
CUT-C FR	390371.00	90171.00	24°34'45.67796"	81°47'59.46189"	CUT-C	9/25/01
CUT C RR	391345.41	92278.06	24°35'06.60603"	81°47'49.03865"	CUT C	9/17/99
MAIN SHIP FR	388143.00	74918.00	24°32'14.45497"	81°48'22.63031"	MAIN SHIP CHANNEL	9/18/01
MAIN SHIP RR	387877.78	79131.18	24°32'56.17490"	81°48'25.76931"	MAIN SHIP CHANNEL	9/23/99

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

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

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

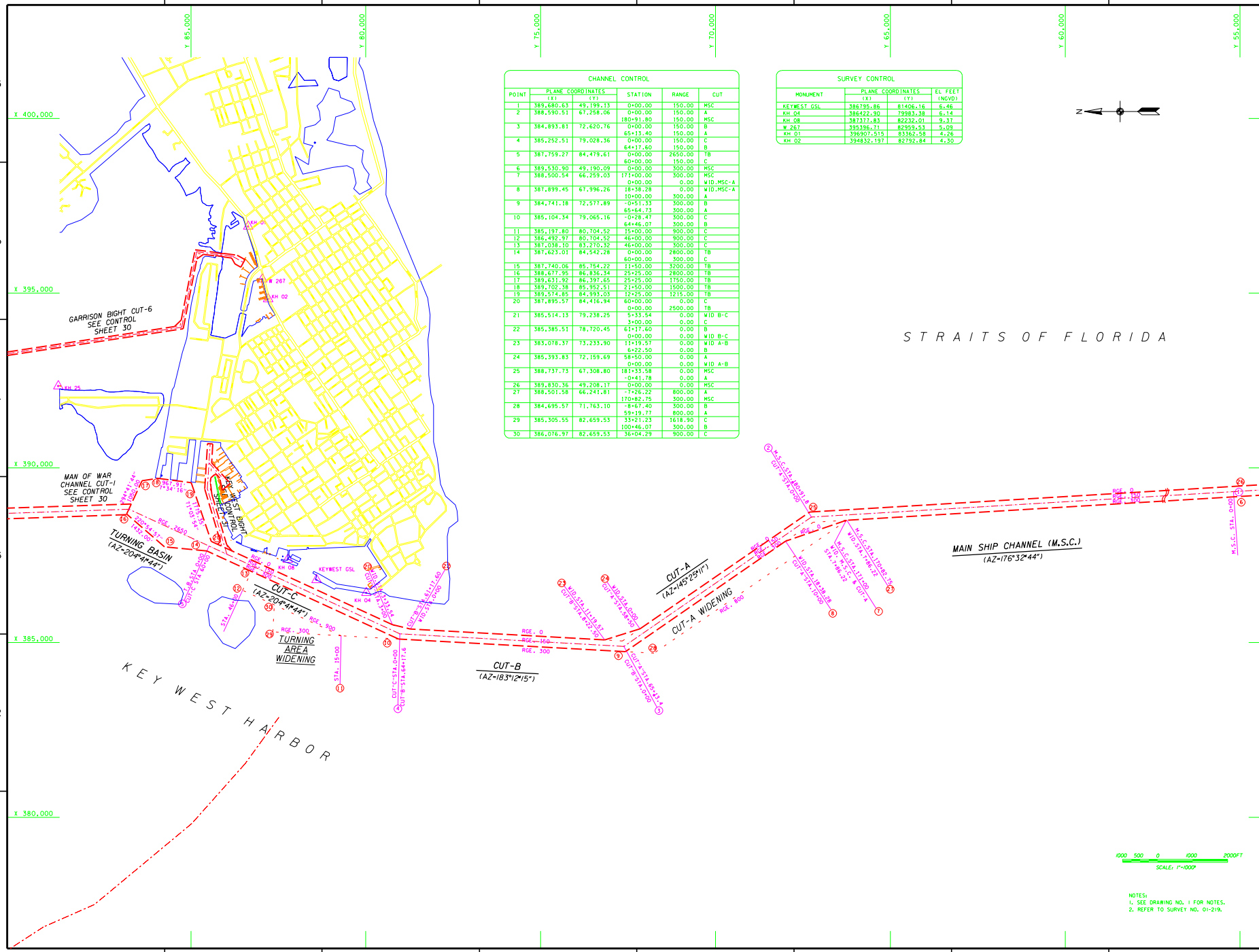
Corps No. DACW17-01-D-0027
Survey Dates: 05 SEPTEMBER 2001
Scales: AS SHOWN
Plot Dates: OCTOBER 2001
Plot Scales:
Designed by:
Drawn by: ADW
Checked by:
Plotted: NOVEMBER 2001
DISTRICT NO. 21-38,249

File names:
A27SHEET.DGN
Reference files:
A27BASE.DGN
A27GRID.DGN
A27MAIN.DGN
A27BASE.DGN
A27SECTN.DGN
A27BATHL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
NORTHWEST CHANNEL
17 FOOT PROJECT
PLAN

DRAWING NO.

SHEET 28 OF 31



CHANNEL CONTROL

POINT	PLANE COORDINATES (X)	(Y)	STATION	RANGE	CUT
1	389,680.63	49,199.13	0+00.00	150.00	MSC
2	388,590.51	67,258.06	0+00.00	150.00	A
			180+91.80	150.00	MSC
3	384,893.81	72,620.76	0+00.00	150.00	B
			65+13.40	150.00	A
4	385,252.51	79,028.36	0+00.00	150.00	C
			64+17.60	150.00	B
5	387,759.27	84,479.61	0+00.00	2650.00	TB
			60+00.00	150.00	C
6	389,530.90	49,190.09	0+00.00	300.00	MSC
7	388,500.54	66,259.03	177+00.00	300.00	MSC
			0+00.00	0.00	WID,MSC-A
8	387,899.45	67,996.26	18+38.28	0.00	WID,MSC-A
			10+00.00	300.00	A
9	384,741.18	72,577.89	-0+51.33	300.00	B
			65+64.73	300.00	A
10	385,104.34	79,065.16	-0+28.47	300.00	C
			64+46.07	300.00	B
11	385,197.80	80,704.52	15+00.00	900.00	C
12	386,492.97	80,704.52	46+00.00	900.00	C
13	387,038.10	83,270.32	46+00.00	300.00	C
14	387,623.01	84,542.28	0+00.00	2800.00	TB
			60+00.00	300.00	C
15	387,740.06	85,754.22	11+50.00	3200.00	TB
16	388,677.95	86,836.34	25+25.00	2800.00	TB
17	389,631.92	86,397.65	25+25.00	1750.00	TB
18	389,702.38	85,952.51	21+50.00	1500.00	TB
19	389,574.85	84,993.03	12+25.00	1215.00	TB
20	387,895.57	84,416.94	60+00.00	0.00	C
			0+00.00	2500.00	TB
21	385,514.13	79,238.25	5+33.54	0.00	WID B-C
			3+00.00	0.00	C
22	385,385.51	78,720.45	61+17.60	0.00	B
			0+00.00	0.00	WID B-C
23	383,078.37	73,233.90	11+19.57	0.00	WID A-B
			6+22.50	0.00	B
24	385,393.83	72,159.69	58+50.00	0.00	A
			0+00.00	0.00	WID A-B
25	388,737.73	67,308.80	181+33.58	0.00	MSC
			-0+41.78	0.00	A
26	389,830.36	49,208.17	0+00.00	0.00	MSC
27	388,501.58	66,241.81	-7+26.22	800.00	A
			170+82.75	300.00	MSC
28	384,695.57	71,763.10	-8+67.40	300.00	B
			59+19.77	800.00	A
29	385,305.55	82,659.53	33+21.23	1618.90	C
			100+46.07	300.00	B
30	386,076.97	82,659.53	36+04.29	900.00	C

SURVEY CONTROL

MONUMENT	PLANE COORDINATES (X)	(Y)	EL FEET (NGVD)
KEYWEST GSL	386795.86	81406.16	6.46
KH 04	386422.90	79983.38	6.14
KH 08	387327.83	82232.01	9.37
W 267	393396.71	82959.53	5.09
KH 01	396907.515	83362.58	4.26
KH 02	394832.197	82792.84	4.30

NOTES:
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2. REFER TO SURVEY NO. 01-219.

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

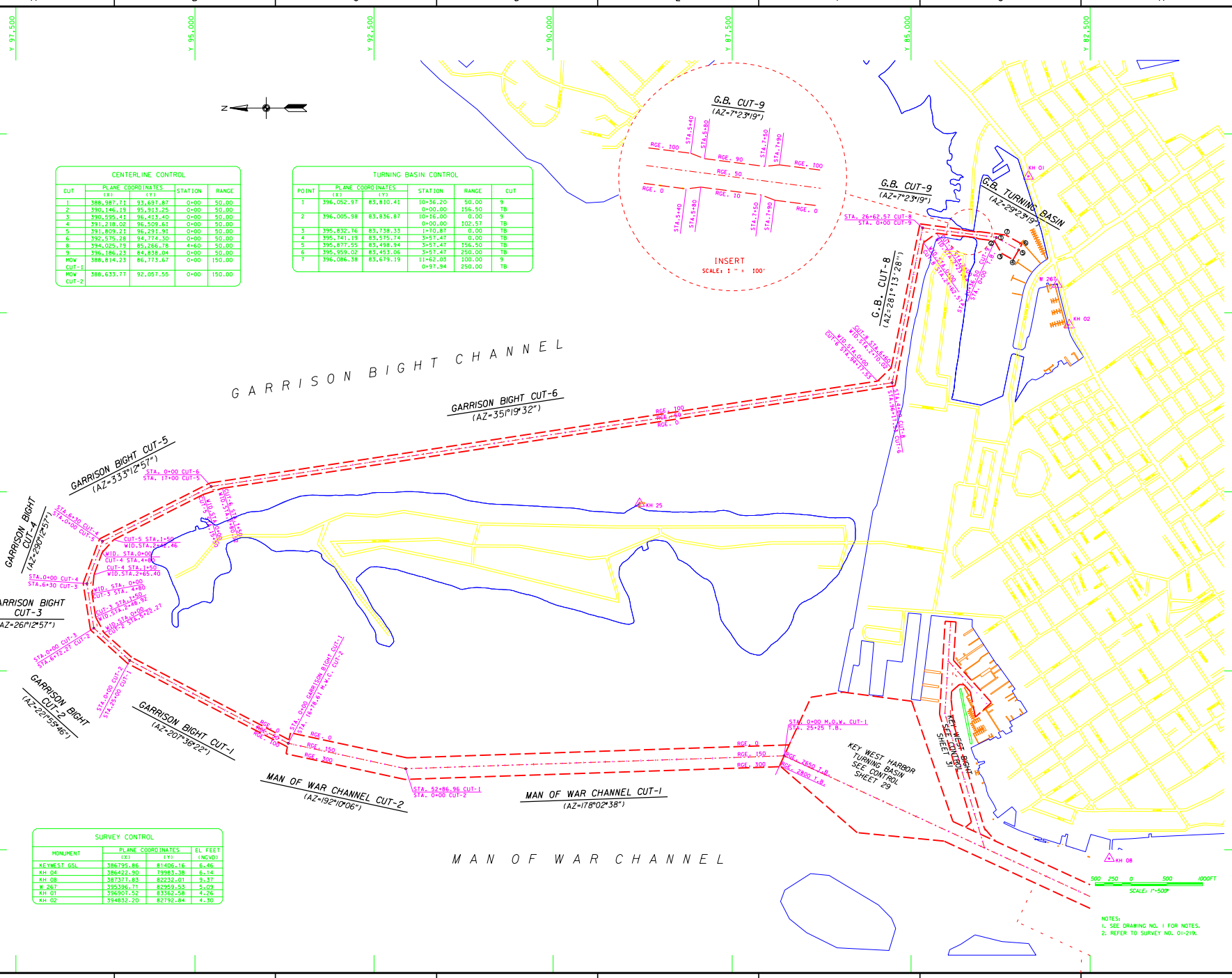
FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

App'd: DACW17-01-D-0027
Drawn: DS SEPTEMBER 2001
Scales: AS SHOWN
Proj. Mgmt: OCTOBER 2001
Plan Maker:
Design: NOVEMBER 2001
DATE NO. 21-38,249
Design: SST
Dwn: SST
Chk: PM
ADM:
File name: A27SHEET.DGN
Reference Files: A27BASE.DGN, A27GRID.DGN, A27MAP.DGN, A27BASE.DGN, A27GRID.DGN, A27BATHL.DGN

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
CONTROL

DRAWING NO.

SHEET 29 OF 31



CENTERLINE CONTROL				
CUT	PLANE COORDINATES (X)	(Y)	STATION	RANGE
1	388,987.71	93,697.87	0+00	50.00
2	390,146.19	95,913.25	0+00	50.00
3	390,595.41	96,413.40	0+00	50.00
4	391,218.02	96,509.61	0+00	50.00
5	391,809.21	96,281.91	0+00	50.00
6	392,575.28	94,774.30	0+00	50.00
8	394,025.79	85,266.78	4+60	50.00
9	396,186.23	84,838.04	0+00	50.00
MOW CUT-1	388,814.23	86,773.67	0+00	150.00
MOW CUT-2	388,633.77	92,057.55	0+00	150.00

TURNING BASIN CONTROL					
POINT	PLANE COORDINATES (X)	(Y)	STATION	RANGE	CUT
1	396,052.97	83,810.41	10+36.20	50.00	9
			0+00.00	156.50	TB
2	396,005.98	83,836.87	10+16.00	0.00	9
			0+00.00	102.57	TB
3	395,832.76	83,738.33	1+70.87	0.00	TB
4	395,741.19	83,575.74	3+57.47	0.00	TB
5	395,877.55	83,498.94	3+57.47	156.50	TB
6	395,959.02	83,453.06	3+57.47	250.00	TB
7	396,086.38	83,679.19	11+62.03	100.00	9
			0+97.94	250.00	TB

SURVEY CONTROL			
MONUMENT	PLANE COORDINATES (X)	(Y)	EL FEET (NGVD)
KEYWEST GSL	386795.86	81406.16	6.46
KH 04	386422.90	79983.38	6.14
KH 08	387377.83	82232.01	9.37
W 267	395396.71	82959.53	5.09
KH 01	396907.52	83362.58	4.26
KH 02	394832.20	82792.84	4.30

NOTES:
1. SEE DRAWING NO. 1 FOR NOTES.
2. REFER TO SURVEY NO. 01-219.

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

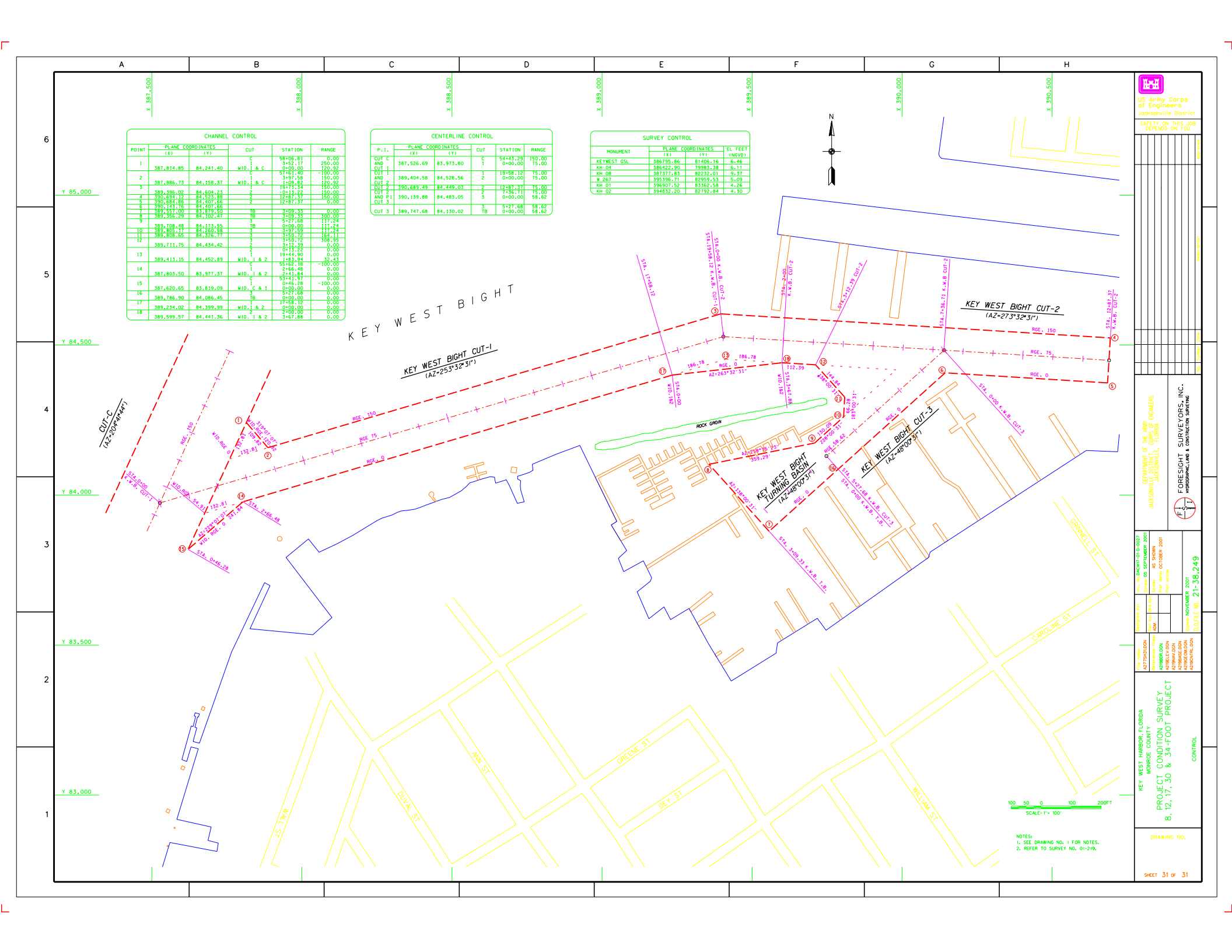
FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING

App'd: DS SEPTEMBER 2001
Scale: AS SHOWN
Date: OCTOBER 2001
Surveyed: NOVEMBER 2001
DACW17-01-D-0027
DUNSTAN
DATUM NO. 21-38,249

KEY WEST HARBOR, FLORIDA
MONROE COUNTY
PROJECT CONDITION SURVEY
8, 12, 17, 30 & 34-FOOT PROJECT
CONTROL

DRAWING NO.

SHEET 30 OF 31



CHANNEL CONTROL					
POINT	PLANE COORDINATES (X)	(Y)	CUT	STATION	RANGE
1	387,814.85	84,241.40	C 1 WID. 1 & C	58+06.81 3+52.17 0+00.00	0.00 250.00 120.92
2	387,886.73	84,158.37	C 1 WID. 1 & C	57+61.40 3+97.58 1+09.82	-100.00 150.00 120.92
3	389,396.02	84,604.23	1 2	19+71.34 -0+13.22	150.00 150.00
4	390,694.12	84,929.88	2	12+87.37	150.00
5	390,884.86	84,707.66	2	12+87.37	150.00
6	390,143.76	84,407.66	2		
7	389,557.00	83,879.50	TB	3+09.33	0.00
8	389,356.29	84,102.47	TB 1	3+09.33 5+27.68	300.00 117.24
9	389,708.48	84,173.55	1 TB	6+00.00 0+00.00	117.24 0.00
10	389,805.17	84,260.58	3	3+97.59	117.24
11	389,808.65	84,326.77	3	3+50.72	164.11
12	389,711.75	84,434.42	3 2	3+50.72 3+12.39	308.95 0.00
13	389,413.15	84,452.89	2 1 WID. 1 & 2	0+13.22 19+44.90 1+83.94	0.00 0.00 32.43
14	387,803.50	83,977.37	C 1 WID. 1 & 2	55+62.18 2+66.48 2+41.84	-100.00 0.00 0.00
15	387,620.65	83,819.09	C 1 WID. C & 1	53+41.97 0+46.28 0+00.00	0.00 -100.00 0.00
16	389,786.90	84,086.45	3 TB	5+27.68 0+00.00	0.00 0.00
17	389,234.02	84,399.99	TB WID. 1 & 2 2	17+56.12 0+00.00 2+00.00	0.00 0.00 0.00
18	389,599.57	84,441.36	WID. 1 & 2	3+67.88	0.00

CENTERLINE CONTROL					
P.I.	PLANE COORDINATES (X)	(Y)	CUT	STATION	RANGE
CUT C AND CUT 1	387,526.69	83,973.80	C 1	54+43.29 0+00.00	150.00 75.00
CUT 1 AND CUT 2	389,404.58	84,528.56	1 2	19+58.12 0+00.00	75.00 75.00
CUT 2 AND PI CUT 3	390,689.49	84,449.03	2 2 3	12+87.37 7+56.71 0+00.00	75.00 75.00 58.62
CUT 3	389,747.68	84,130.02	3 TB	5+27.68 0+00.00	58.62 58.62

SURVEY CONTROL			
MONUMENT	PLANE COORDINATES (X)	(Y)	EL FEET (NGVD)
KEYWEST GSL	386795.86	81406.16	6.46
KH 04	386422.90	79983.38	6.11
KH 08	387377.83	82232.01	9.37
W 267	395396.71	82959.53	5.09
KH 01	396907.52	83362.58	4.26
KH 02	394832.20	82792.84	4.30