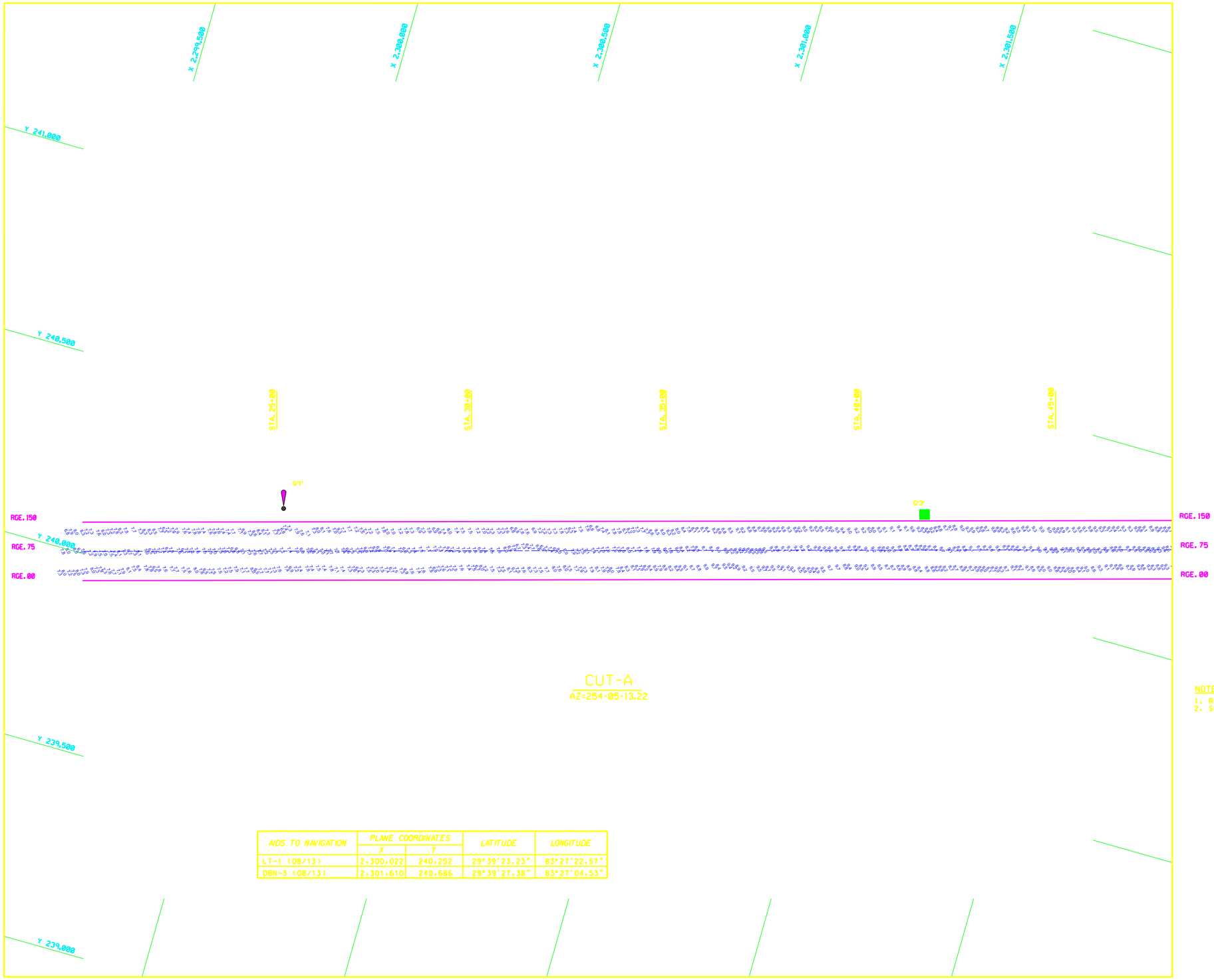


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (08/13)	2,300.022	240.252	29°39'23.23"	83°27'22.57"
DBN-3 (08/13)	2,301.610	240.686	29°39'27.38"	83°27'04.53"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124
2. SEE SHEET G-001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Cad by: GRN
Designed by: BDC
DWN by: BDC
Rev No. W912EP-13-D-0001
Date: 19 NOV 2013

13-124/V-CUTA.DGN
13-124/V-GPALCON.DGN
13-124/V-CSOUN.DGN

13-124/V-BRDR.DGN
Reference files:
13-124/VH-101.DGN
File name:

STEINHATCHEE, FLORIDA

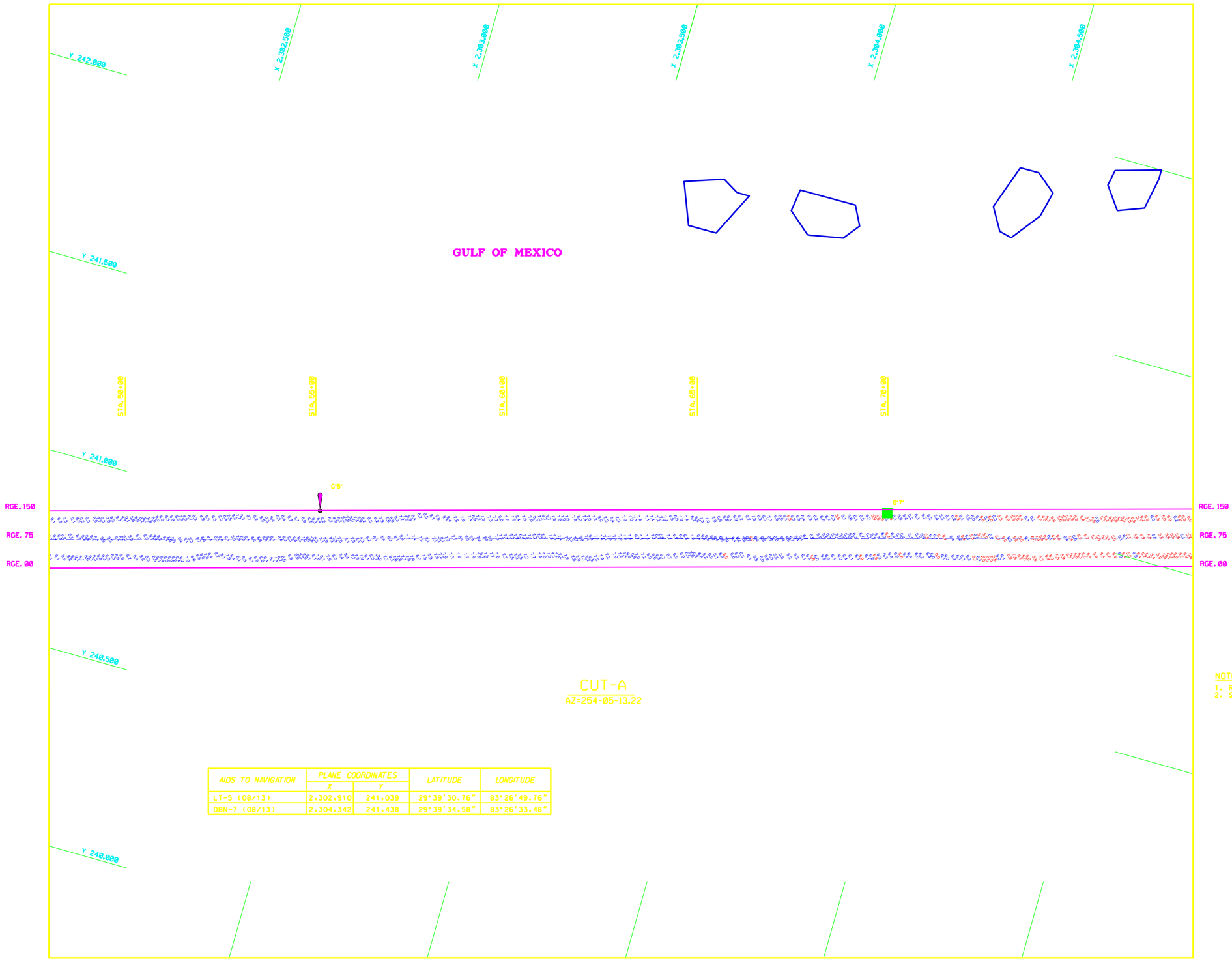
PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-101



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-5 (08/13)	2.302.910	241.039	29°39'30.76"	83°26'49.76"
DBN-7 (08/13)	2.304.342	241.438	29°39'34.58"	83°26'33.48"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Checked by: GRN
Designed by: BDC
DWN by: BDC
Rev. No. WB12EP0-12-2-A001
Dated: 19 NOV 2013

13-124-V-CHNLDGN
13-124-V-CONTOUR.DGN
13-124-V-SQUN.DGN
13-124-V-BRIDLDGN
Reference files:
13-124-VH-102.DGN
File name:

STEINHATCHEE, FLORIDA

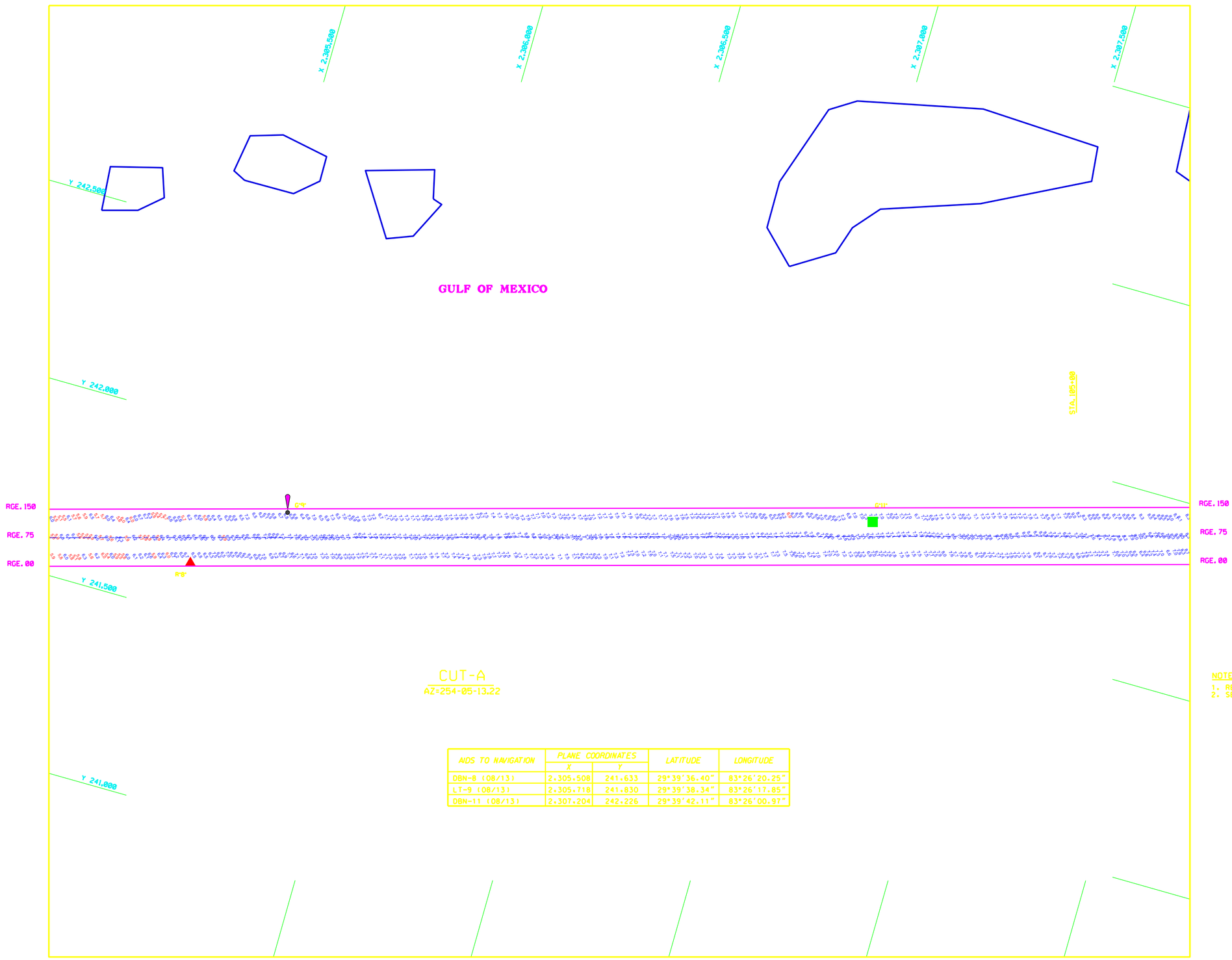
PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-102



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (08/13)	2,305,508	241,633	29°39'36.40"	83°26'20.25"
LT-9 (08/13)	2,305,718	241,830	29°39'38.34"	83°26'17.85"
DBN-11 (08/13)	2,307,204	242,226	29°39'42.11"	83°26'00.97"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G-001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Cad by: GRN
Designed by: BDC
DWN by: BDC
Rev No. W912EP-13-D-0001
Date: 19 NOV 2013

13-124/V-G-DGN
13-124/V-CORD.DGN
13-124/V-PLOT.DGN
13-124/V-CSOUN.DGN

13-124/V-BRDR.DGN
Reference files:
13-124/VH-103.DGN
File name:

STEINHATCHEE, FLORIDA

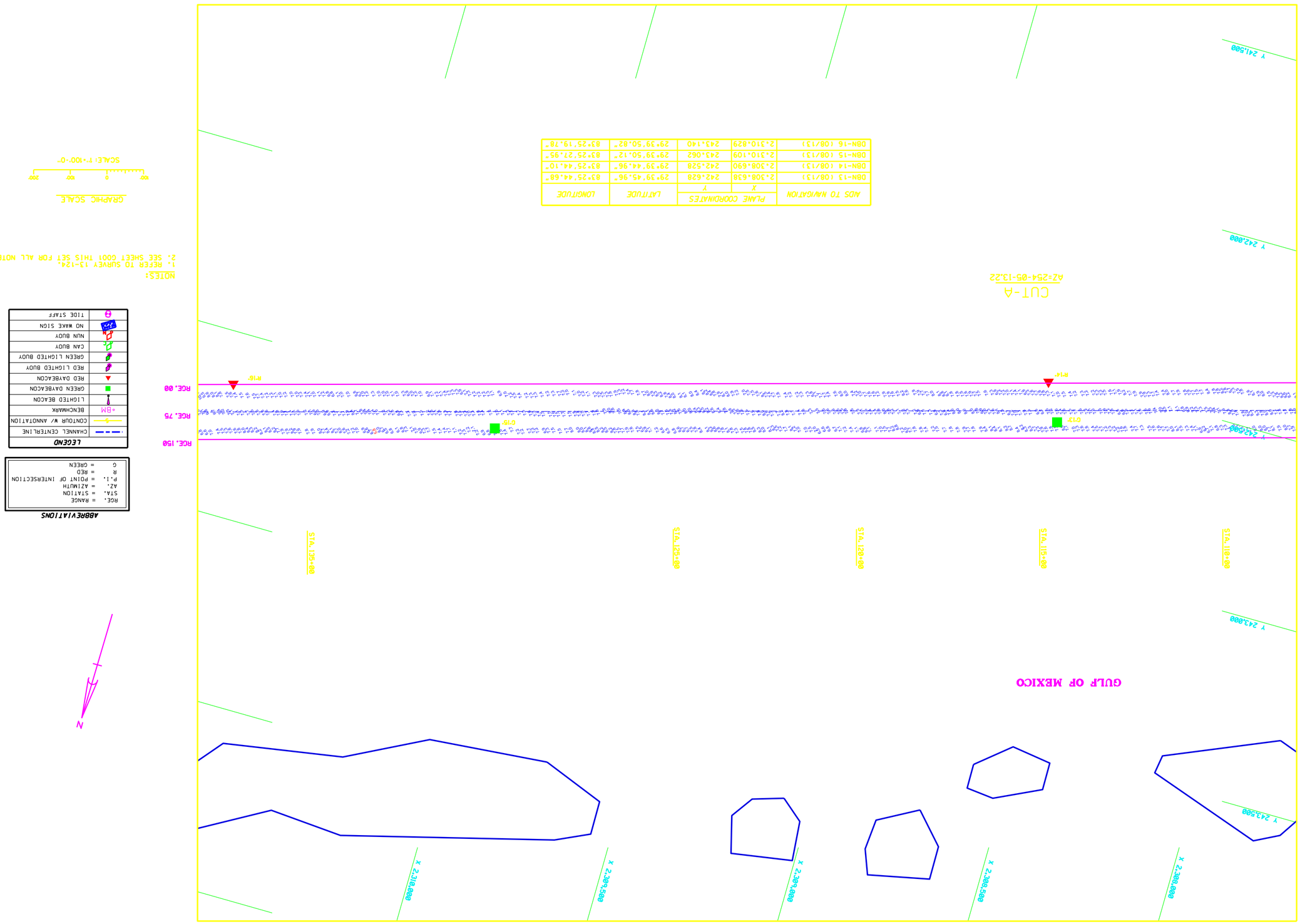
PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-103



ADS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-13 (08/13)	2,308,638	242,628	29°39'45.96"	83°25'44.68"
DBN-14 (08/13)	2,308,690	242,528	29°39'44.96"	83°25'44.10"
DBN-15 (08/13)	2,310,109	243,062	29°39'50.12"	83°25'27.95"
DBN-16 (08/13)	2,310,829	243,140	29°39'50.82"	83°25'19.78"

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

NOTES:
1. REFER TO SURVEY 13-124.
2. SEE SHEET C001 THIS SET FOR ALL NOTES.

LEGEND

	CHANNEL CENTERLINE
S	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	GREEN LIGHTED BUOY
	RED LIGHTED BUOY
	NUN BUOY
	CAN BUOY
	NO WAKE SIGN
	TIDE STAFF

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

STEINHATCHEE, FLORIDA

PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

13-124A-VERDEPLN.DGN
13-124A-VCTOPO.DGN
13-124A-VSOUND.DGN

13-124A-VERDEFL.DGN
Reference files:
13-124A-H-104.DGN
File name:

Drafted by: BDC
Checked by: BDC
Date: 19 NOV 2013
Dwg. No.: V06-VEB-P-13-2A-001
Rev.: BDC
Date Rev.: 19 NOV 2013
Date Rev.: GBN

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

No.	Symbol	Zone

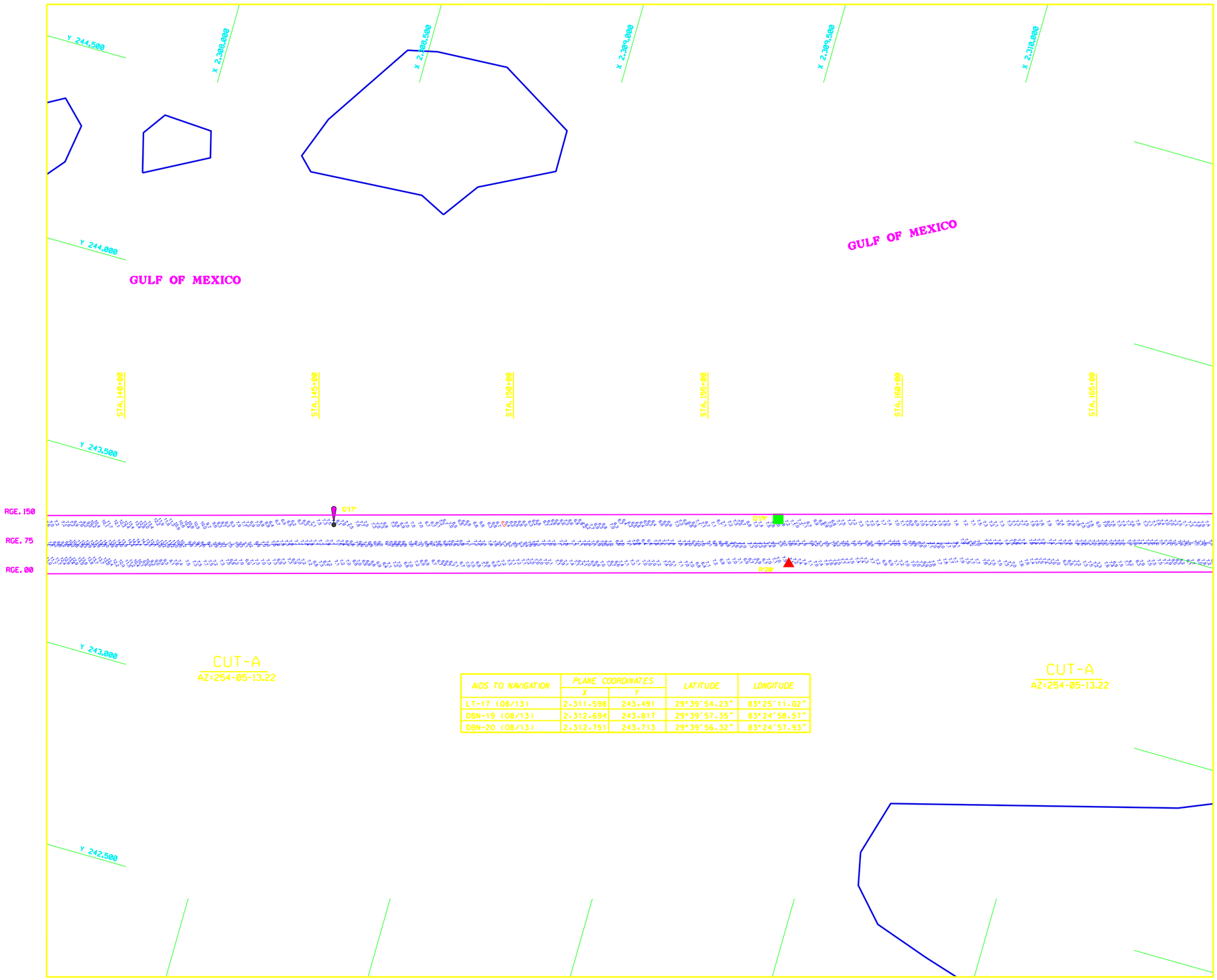
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Scale: AS SHOWN

Drawing no.

VH-104



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-17 (08/13)	2,311,598	243,491	29°39'54.23"	83°25'11.02"
DBN-19 (08/13)	2,312,694	243,817	29°39'57.35"	83°24'58.57"
DBN-20 (08/13)	2,312,751	243,713	29°39'56.32"	83°24'57.93"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Cad by: GRN
Designed by: BDC
DWN by: BDC
Rev. No. W912EP-13-D-0001
Date: 19 NOV 2013

13-124/VCOVER.DGN
13-124/VCOPOL.DGN
13-124/VCSOUN.DGN
13-124/VERDR.DGN
Reference files
13-124/VH-105.DGN
File name:

STEINHATCHEE, FLORIDA

PROJECT CONDITION SURVEY
6 - FOOT PROJECT

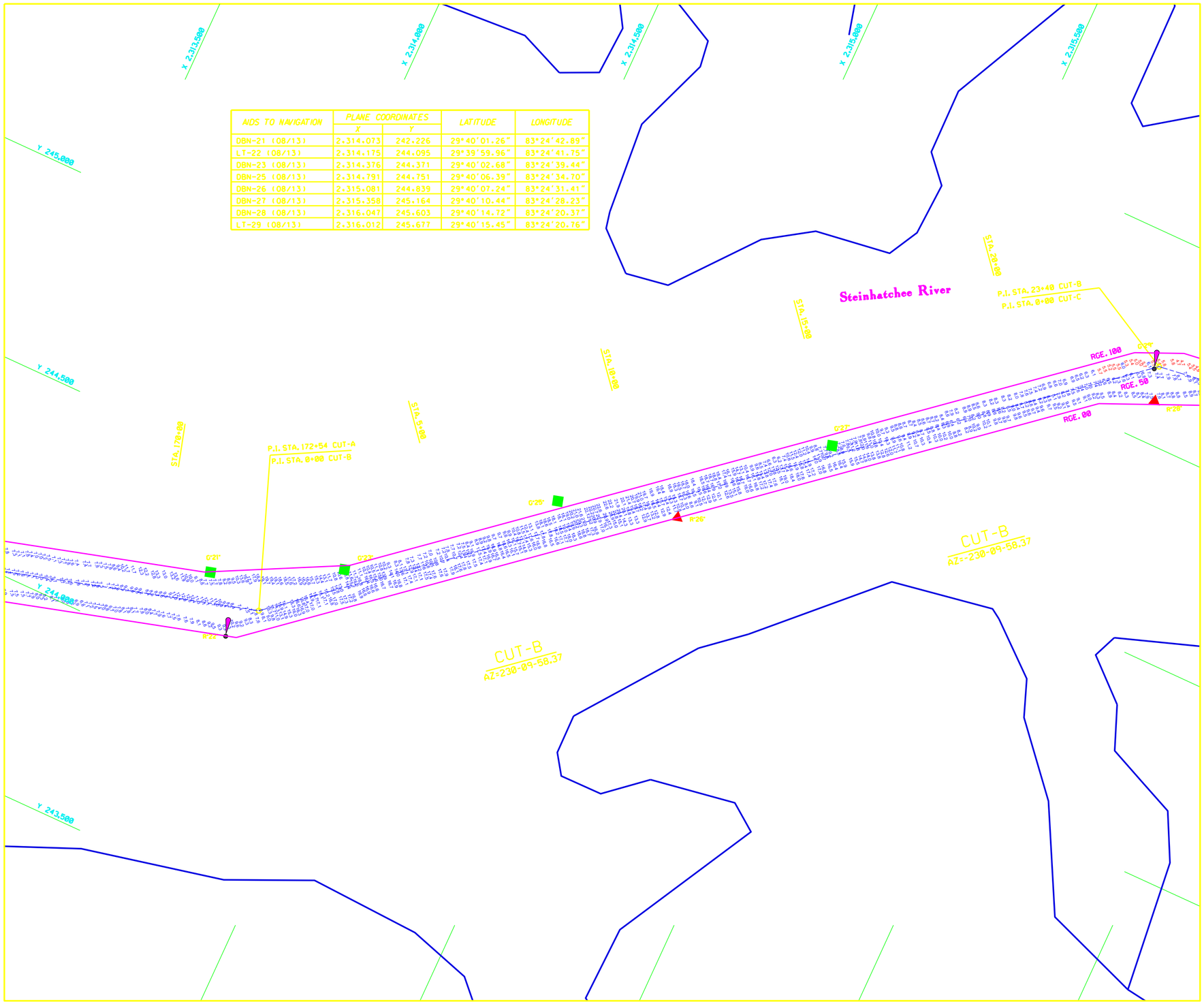
STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-105

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-21 (08/13)	2,314,073	242,226	29°40'01.26"	83°24'42.89"
LT-22 (08/13)	2,314,175	244,095	29°39'59.96"	83°24'41.75"
DBN-23 (08/13)	2,314,376	244,371	29°40'02.68"	83°24'39.44"
DBN-25 (08/13)	2,314,791	244,751	29°40'06.39"	83°24'34.70"
DBN-26 (08/13)	2,315,081	244,839	29°40'07.24"	83°24'31.41"
DBN-27 (08/13)	2,315,358	245,164	29°40'10.44"	83°24'28.23"
DBN-28 (08/13)	2,316,047	245,603	29°40'14.72"	83°24'20.37"
LT-29 (08/13)	2,316,012	245,677	29°40'15.45"	83°24'20.76"



ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Cad by: GEN
Designed by: BDC
DWN by: BDC
Prj. No. WBI2EP-13-2-A001
Date: 19 NOV 2013

13-124-V-CPRA.DGN
13-124-V-CONTOUR.DGN
13-124-V-SOUN.DGN
13-124-V-SRIOR.DGN
Reference files:
13-124-VH-106.DGN
File name:

STEINHATCHEE, FLORIDA

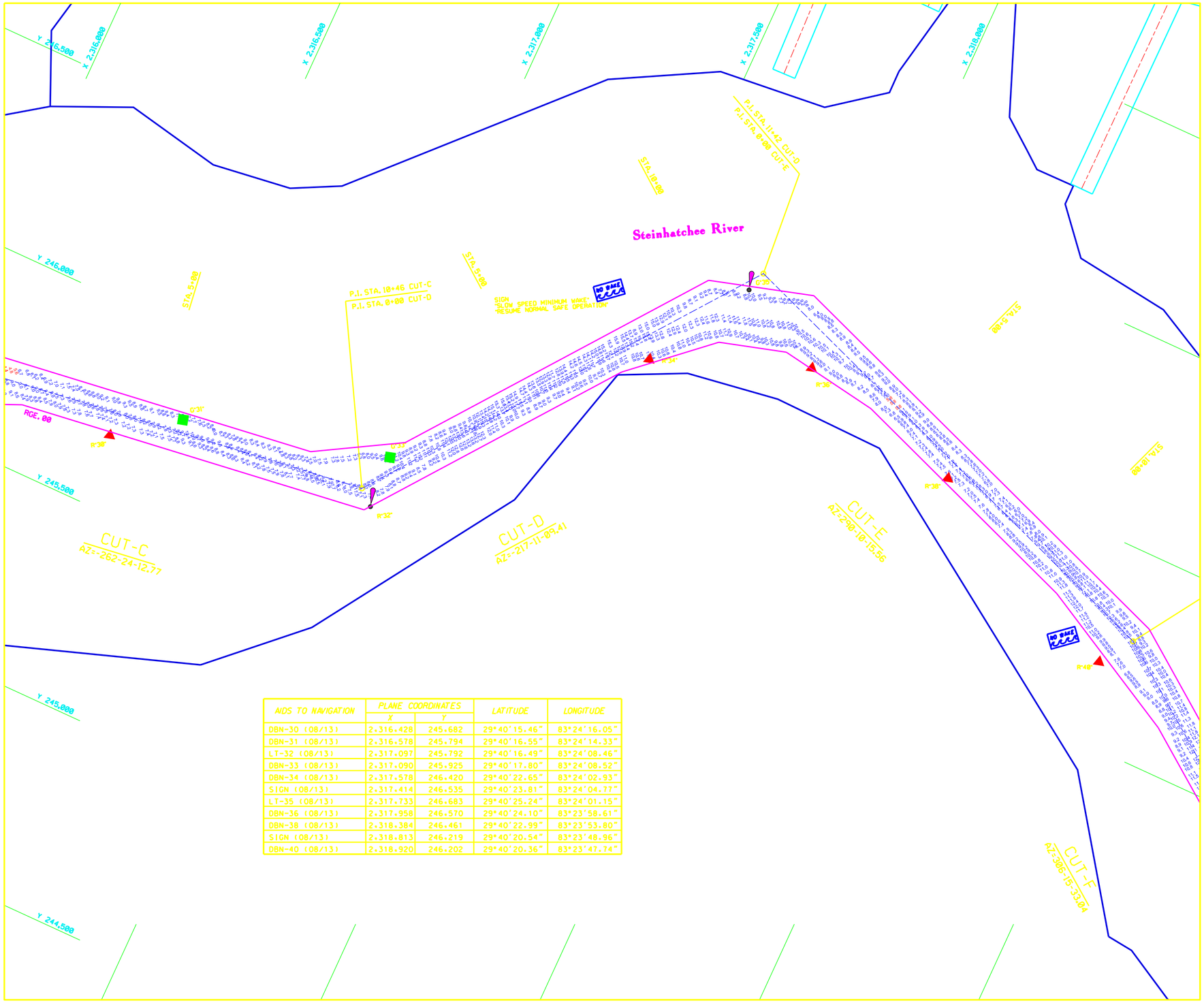
PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-106



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-30 (08/13)	2,316.428	245.682	29°40'15.46"	83°24'16.05"
DBN-31 (08/13)	2,316.578	245.794	29°40'16.55"	83°24'14.33"
LT-32 (08/13)	2,317.097	245.792	29°40'16.49"	83°24'08.46"
DBN-33 (08/13)	2,317.090	245.925	29°40'17.80"	83°24'08.52"
DBN-34 (08/13)	2,317.578	246.420	29°40'22.65"	83°24'02.93"
SIGN (08/13)	2,317.414	246.535	29°40'23.81"	83°24'04.77"
LT-35 (08/13)	2,317.733	246.683	29°40'25.24"	83°24'01.15"
DBN-36 (08/13)	2,317.958	246.570	29°40'24.10"	83°23'58.61"
DBN-38 (08/13)	2,318.384	246.461	29°40'22.99"	83°23'53.80"
SIGN (08/13)	2,318.813	246.219	29°40'20.54"	83°23'48.96"
DBN-40 (08/13)	2,318.920	246.202	29°40'20.36"	83°23'47.74"

N

ABBREVIATIONS

RGE. = RANGE
STA. = STATION
AZ. = AZIMUTH
P.I. = POINT OF INTERSECTION
R = RED
G = GREEN

LEGEND

- CHANNEL CENTERLINE
- CONTOUR W/ ANNOTATION
- BM BENCHMARK
- LIGHTED BEACON
- GREEN DAYBEACON
- RED DAYBEACON
- RED LIGHTED BUOY
- GREEN LIGHTED BUOY
- CAN BUOY
- NUN BUOY
- NO WAKE SIGN
- TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Designed by: BDC
DWN by: BDC
Ckd by: GRN
Rev. No. W912EK-12-C-0001
Date: 19 NOV 2013

13-124-V-CPD-ALL.DGN
13-124-V-CPD-PLAN.DGN
13-124-V-SOUN.DGN
13-124-V-BRDR.DGN
Reference files
13-124-VH-107.DGN
File name

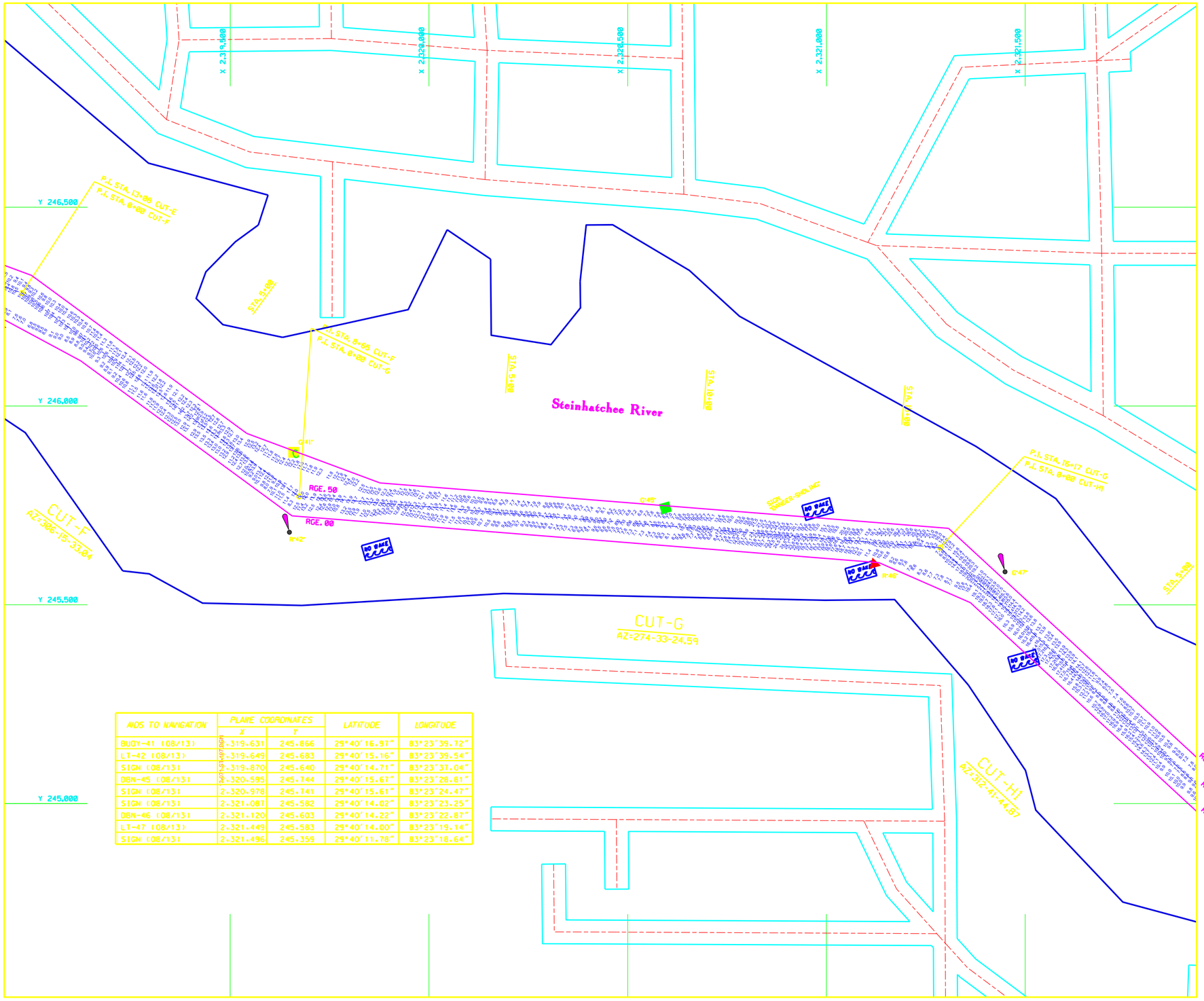
STEINHATCHEE, FLORIDA

PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.
VH-107



AIDS TO NAVIGATION	PLANE COORDINATES (NAD83 US-FT SPCS) X	Y	LATITUDE	LONGITUDE
BUOY-41 (08/13)	2,319,631	245,866	29°40'16.97"	83°23'39.72"
LT-42 (08/13)	2,319,649	245,683	29°40'15.16"	83°23'39.54"
SIGN (08/13)	2,319,870	245,640	29°40'14.71"	83°23'37.04"
DBN-45 (08/13)	2,320,595	245,744	29°40'15.67"	83°23'28.81"
SIGN (08/13)	2,320,978	245,741	29°40'15.61"	83°23'24.47"
SIGN (08/13)	2,321,087	245,582	29°40'14.02"	83°23'23.25"
DBN-46 (08/13)	2,321,120	245,603	29°40'14.22"	83°23'22.87"
LT-47 (08/13)	2,321,449	245,583	29°40'14.00"	83°23'19.14"
SIGN (08/13)	2,321,496	245,359	29°40'11.78"	83°23'18.64"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 013-124.
2. SEE SHEET 0001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Checked by: GBN
Designed by: BDC
DWN by: BDC
Rev. No. V01:EP-12-C-0001
Date: 19 NOV 2013

13-124-C-CDR.DGN
13-124-A-CDR.DGN
13-124-V-SOUN.DGN
13-124-V-GRID.DGN
Reference files:
13-124-VH-108.DGN
File name:

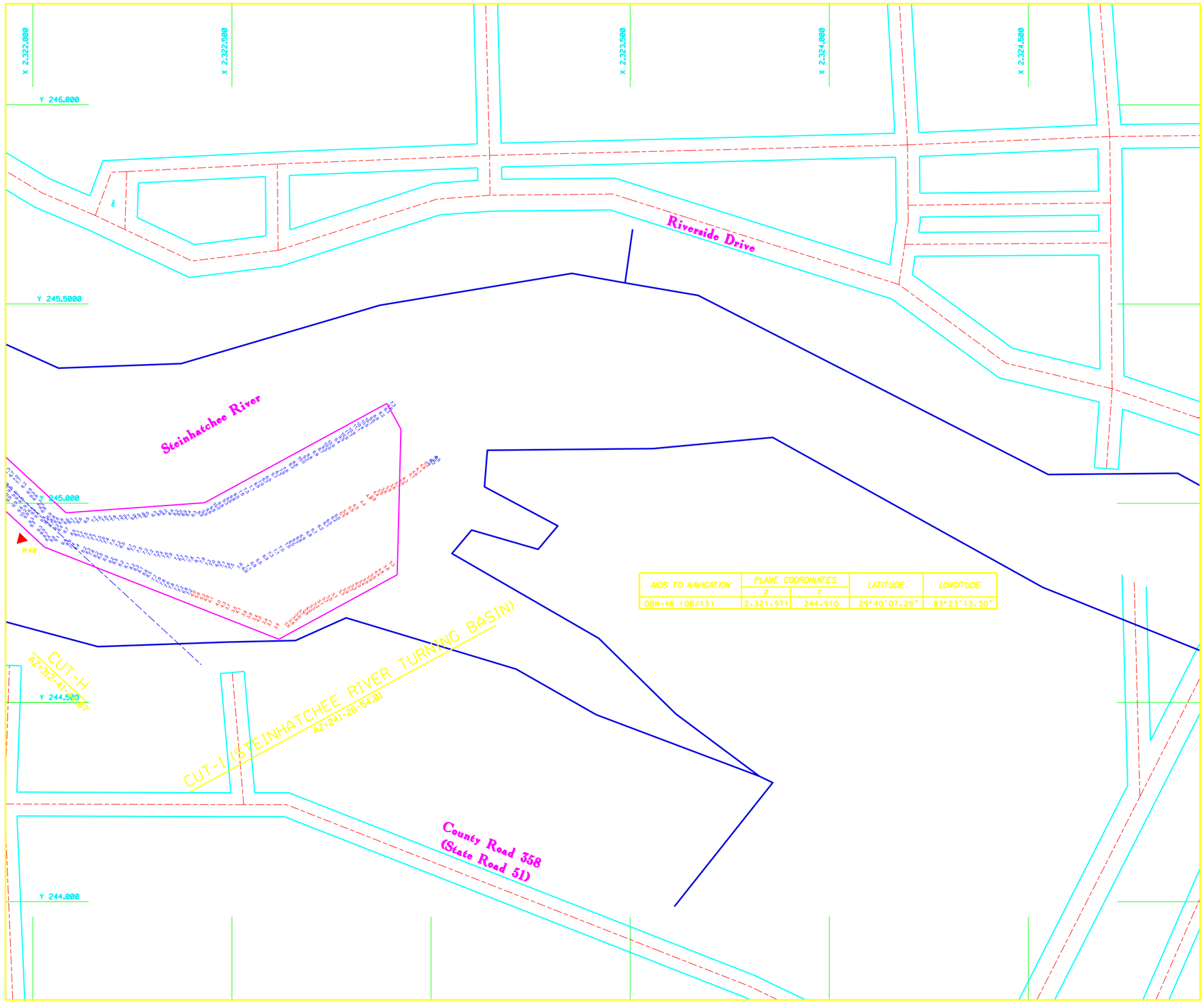
STEINHATCHEE, FLORIDA

PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.
VH-108



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-48 (08/13)	2,321,971	244,910	29°40'07.29"	83°23'13.30"

N

ABBREVIATIONS

RGE.	= RANGE
STA.	= STATION
AZ.	= AZIMUTH
P.I.	= POINT OF INTERSECTION
R	= RED
G	= GREEN

LEGEND

	CHANNEL CENTERLINE
	CONTOUR W/ ANNOTATION
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	NO WAKE SIGN
	TIDE STAFF

NOTES:

1. REFER TO SURVEY 13-124.
2. SEE SHEET G001 THIS SET FOR ALL NOTES.

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'-0"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEGROVE SURVEYORS, INC.
2131 CORPORATE SQUARE BLVD.
JACKSONVILLE, FLORIDA

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

Cad by: GRN
Designed by: EDC
DWN by: BDC
Rev. No. W912EP-12-D-0001
Date: 19 NOV 2013

13-124-V-CONALL.DGN
13-124-V-SHOAL.DGN
13-124-V-SOUN.DGN
13-124-V-GRIDR.DGN
Reference files:
13-124-VH-109.DGN
File name:

STEINHATCHEE, FLORIDA

PROJECT CONDITION SURVEY
6 - FOOT PROJECT

STA. 20+00 CUT A THRU STA 11+00 CUT I
PLAN

Scale: AS SHOWN

Drawing no.

VH-109