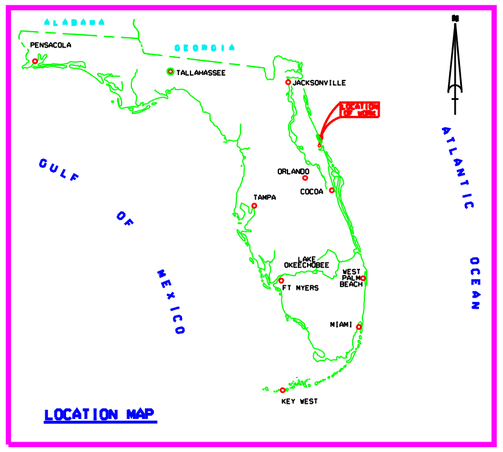
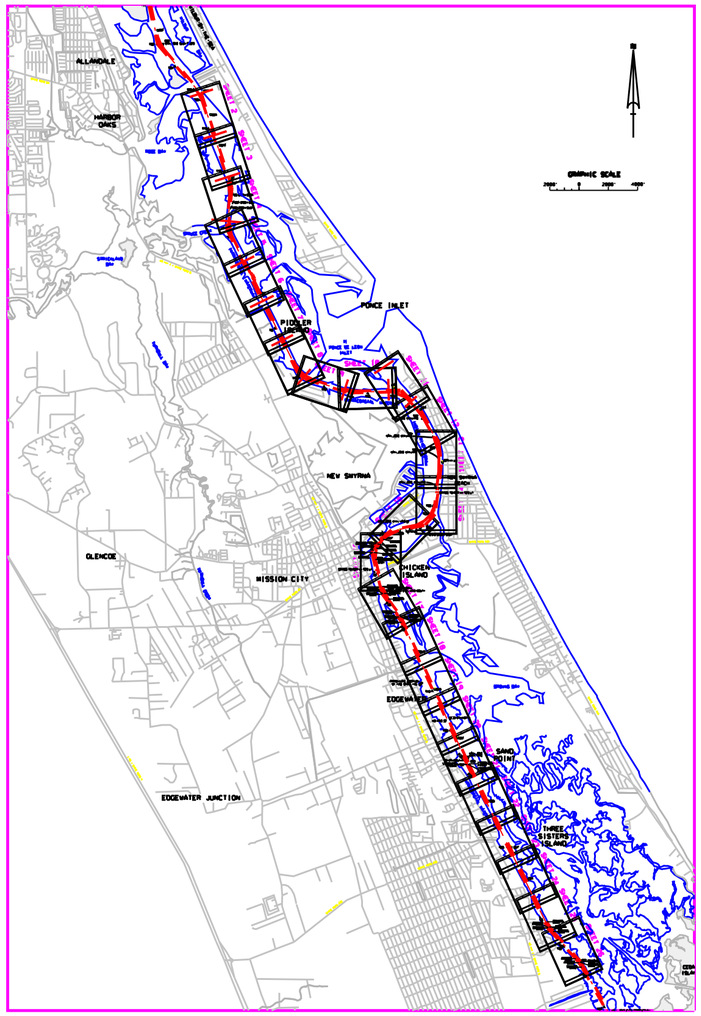
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
CUTS V-22 THRU V-35
PROJECT CONDITION SURVEY





SURVEY NOTES:

1. REFER TO SURVEY NO. 05-161.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER. 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 MULTIPLE BENCHMARKS. REFER TO SURVEY TABULATION SHOWN ON THIS SHEET.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

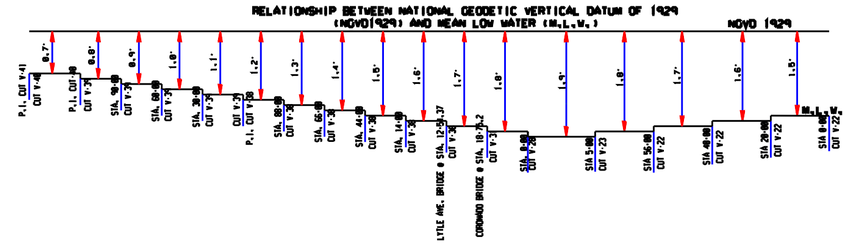
VESSEL	DATE OF SURVEY	CUT
WB-34	13, 15-16, 22-23 SEP 2005	CUTS V-22 THRU V-35

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PREFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1119-2-1003 HYDROGRAPHIC SURVEYING, 1 JAN 2002

BENCHMARK	NGVD ELEV. (FT)
79-78-38	17.46
LITHA	6.30

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

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



US ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

SAFETY ON THIS JOB DEPENDS ON YOU

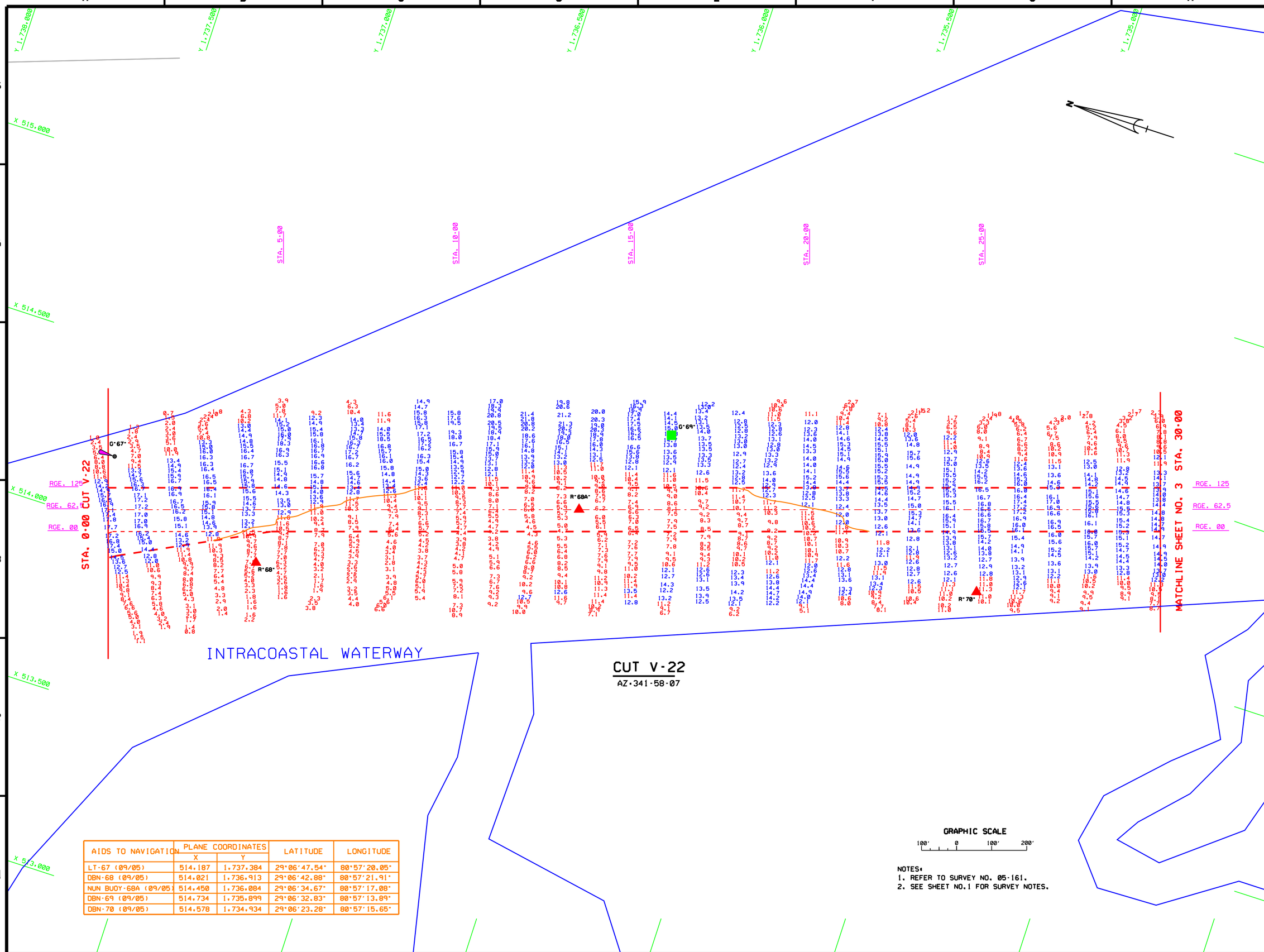
NO.	SYMBOL	ZONE	DESCRIPTION	APPROVED

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

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
COVER, LOCATION AND INDEX SHEET
PLAN

DRAWING NO.
1/16

SHEET 1 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-67 (09/05)	514.187	1,737.384	29°06'47.54"	80°57'20.05"
DBN-68 (09/05)	514.021	1,736.913	29°06'42.88"	80°57'21.91"
NUN BUOY-68A (09/05)	514.450	1,736.084	29°06'34.67"	80°57'17.08"
DBN-69 (09/05)	514.734	1,735.899	29°06'32.83"	80°57'13.89"
DBN-70 (09/05)	514.578	1,734.934	29°06'23.28"	80°57'15.65"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

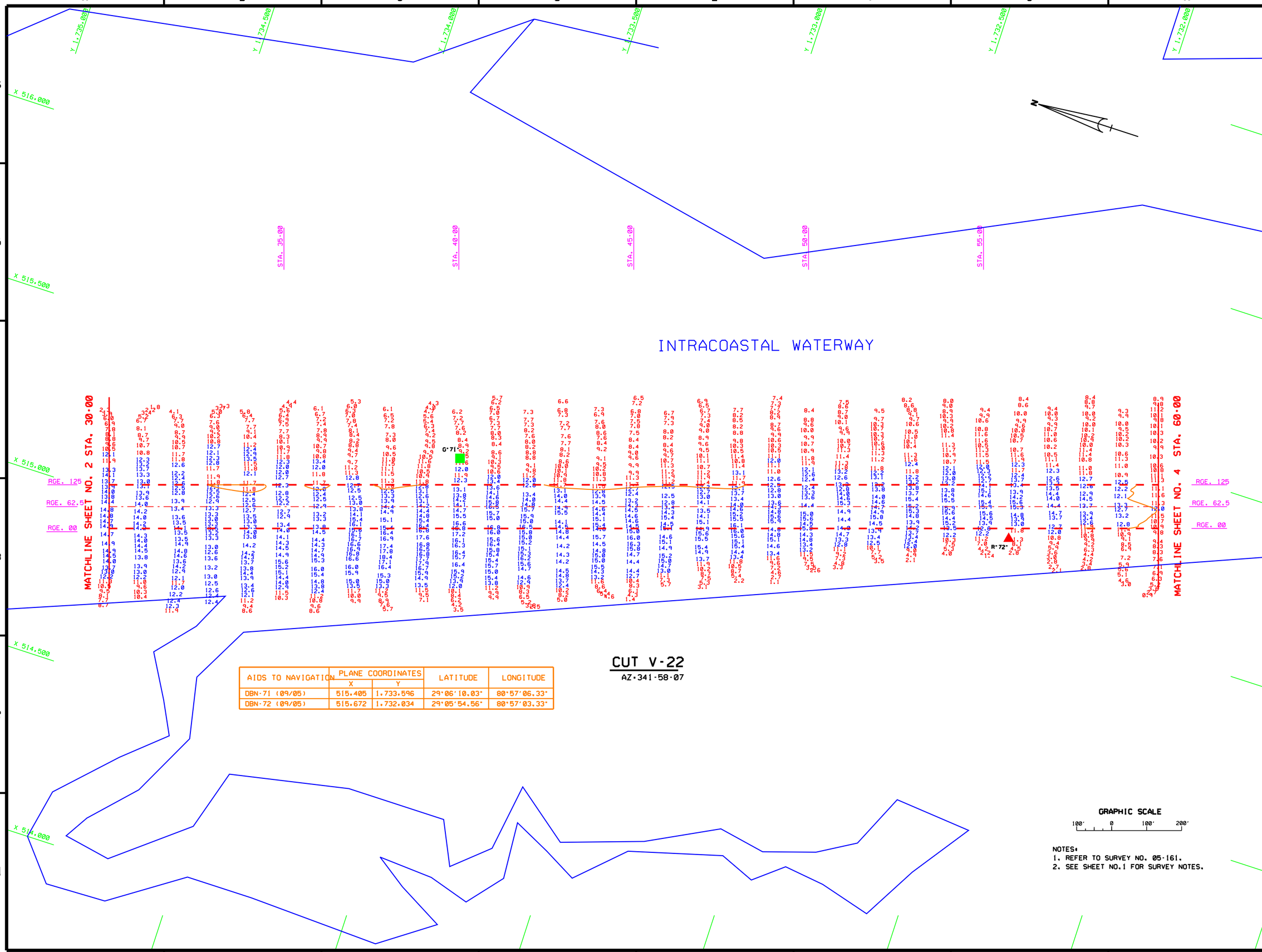
DESIGNED BY: TWH
DWN BY: VDM
CKD BY: VDM
REVIEWED BY:
DATE: SEP 2005
D.O.FILE NO.

FILE NAME: 05161SHEET.DGN
REFERENCE FILES: BRDPRES.DGN, V-CHANNEL.DGN, VOLUBASE.DGN, C161V22.DGN, C161NAV.DGN, C161DTM.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT V-22
PLAN

DRAWING NO.
2/16

SHEET 2 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-71 (09/05)	515.405	1.733.596	29°06'10.03"	80°57'06.33"
DBN-72 (09/05)	515.672	1.732.034	29°05'54.56"	80°57'03.33"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

LINK: MODEL17.XX.X.XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X:X

DESIGNED BY: DBM
DWN BY: DBM
CKD BY: DBM

DATED: SEP 2005
D.O.FILE NO.

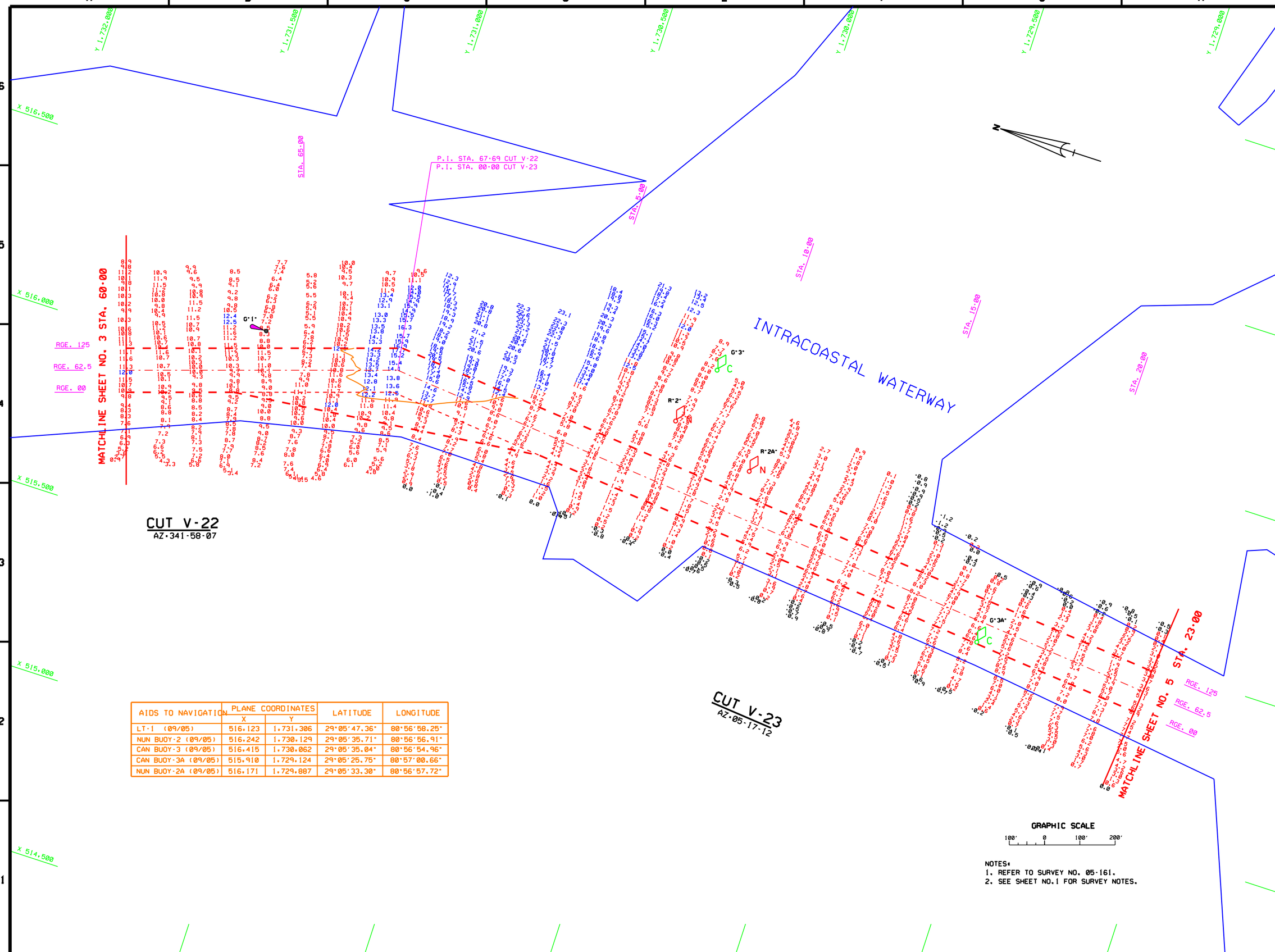
FILE NAME: 016SP03.DGN

REFERENCE FILES:
BRDRPG.DGN
V_CHANNEL.DGN
VOLBASE.DGN
016V22.DGN
016NAV.DGN
016TOP.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 30+00 THRU STA. 60+00 CUT V-22
PLAN

DRAWING NO.
3/16

SHEET 3 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT·1 (09/05)	516,123	1,731,306	29°05'47.36"	80°56'58.25"
NUN BUOY·2 (09/05)	516,242	1,730,129	29°05'35.71"	80°56'56.91"
CAN BUOY·3 (09/05)	516,415	1,730,062	29°05'35.04"	80°56'54.96"
CAN BUOY·3A (09/05)	515,910	1,729,124	29°05'25.75"	80°57'00.66"
NUN BUOY·2A (09/05)	516,171	1,729,887	29°05'33.30"	80°56'57.72"

NOTES:
1. REFER TO SURVEY NO. 05-161.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

SAFETY ON THIS JOB DEPENDS ON YOU

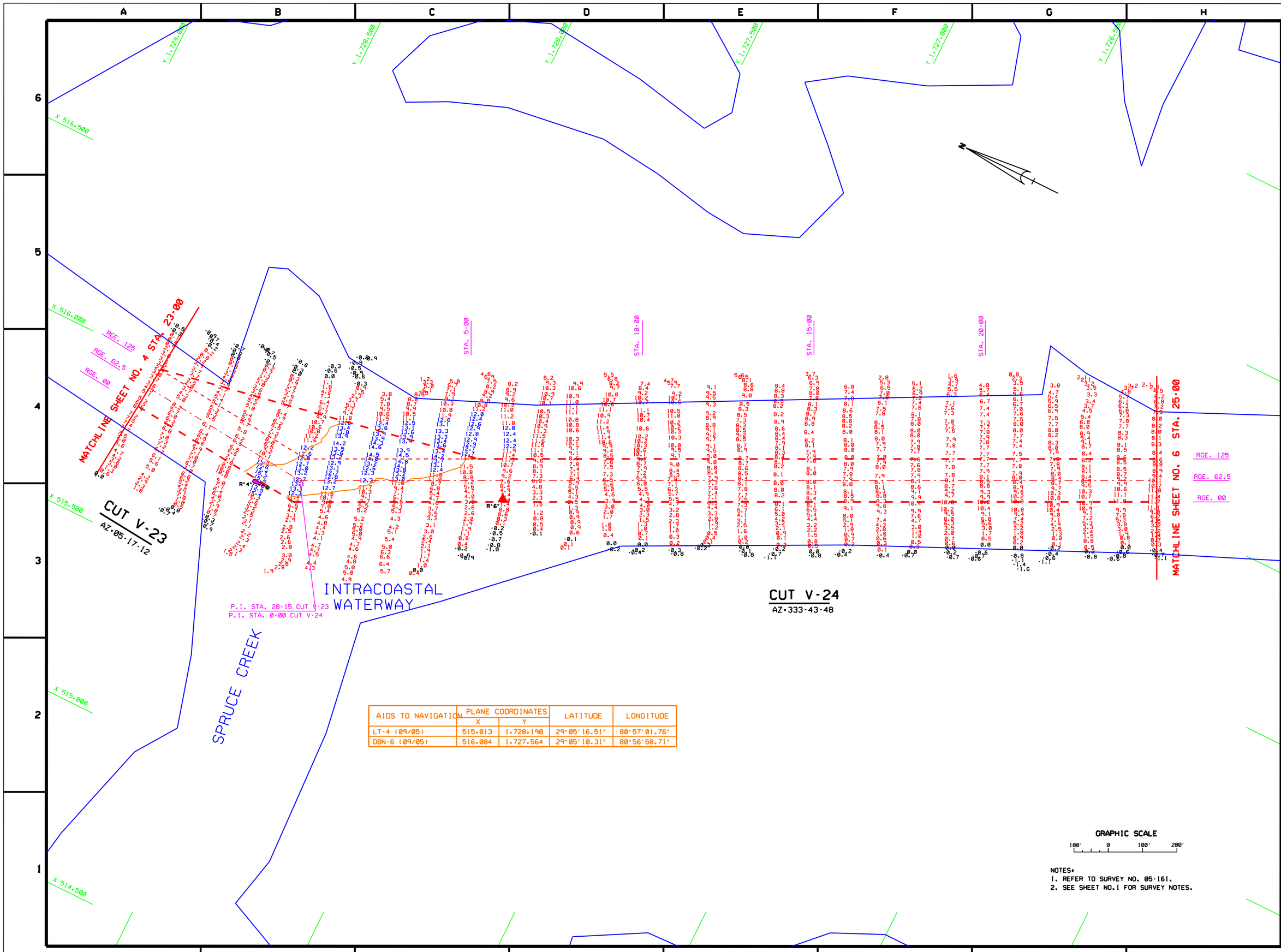
NO.	SYMBOL	ZONE	DESCRIPTION	APPROVED

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

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 60·00 CUT V·22 THRU STA. 23·00 CUT V·23
PLAN

DRAWING NO.
4/16

SHEET 4 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-4 (09/05)	515.813	1,728.190	29°05'16.51"	80°57'01.76"
DBN-6 (09/05)	516.084	1,727.564	29°05'10.31"	80°56'58.71"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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	DATE	APPROVED

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

INW: MEDACH17 XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

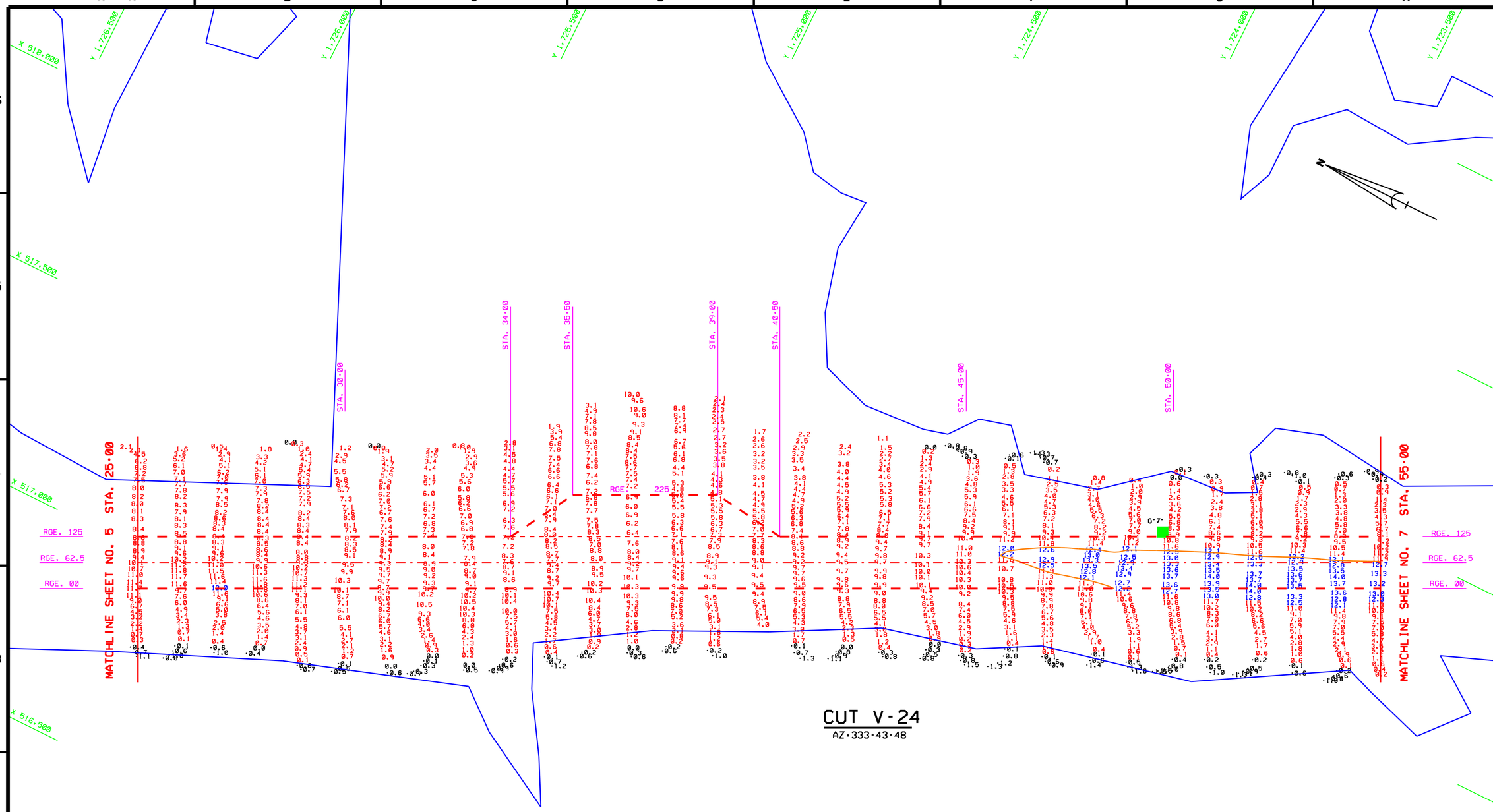
DESIGNED BY: TWH
DWN BY: VPM
CKD BY: VPM
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: C161SP05.DGN
REFERENCE FILES: SRDPR3.DGN, V-CHANNEL.DGN, COLBASE.DGN, C161V23.DGN, C161V24.DGN, C161MAX.DGN, C161CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 23+00 CUT V-23 THRU STA. 25+00 CUT V-24
PLAN

DRAWING NO.
5/16

SHEET 5 OF 26



CUT V-24

AZ-333-43-48

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7 (09/05)	518,138	1,723,691	29°04'31.95"	80°56'35.57"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INW. NO: 5417 XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X X

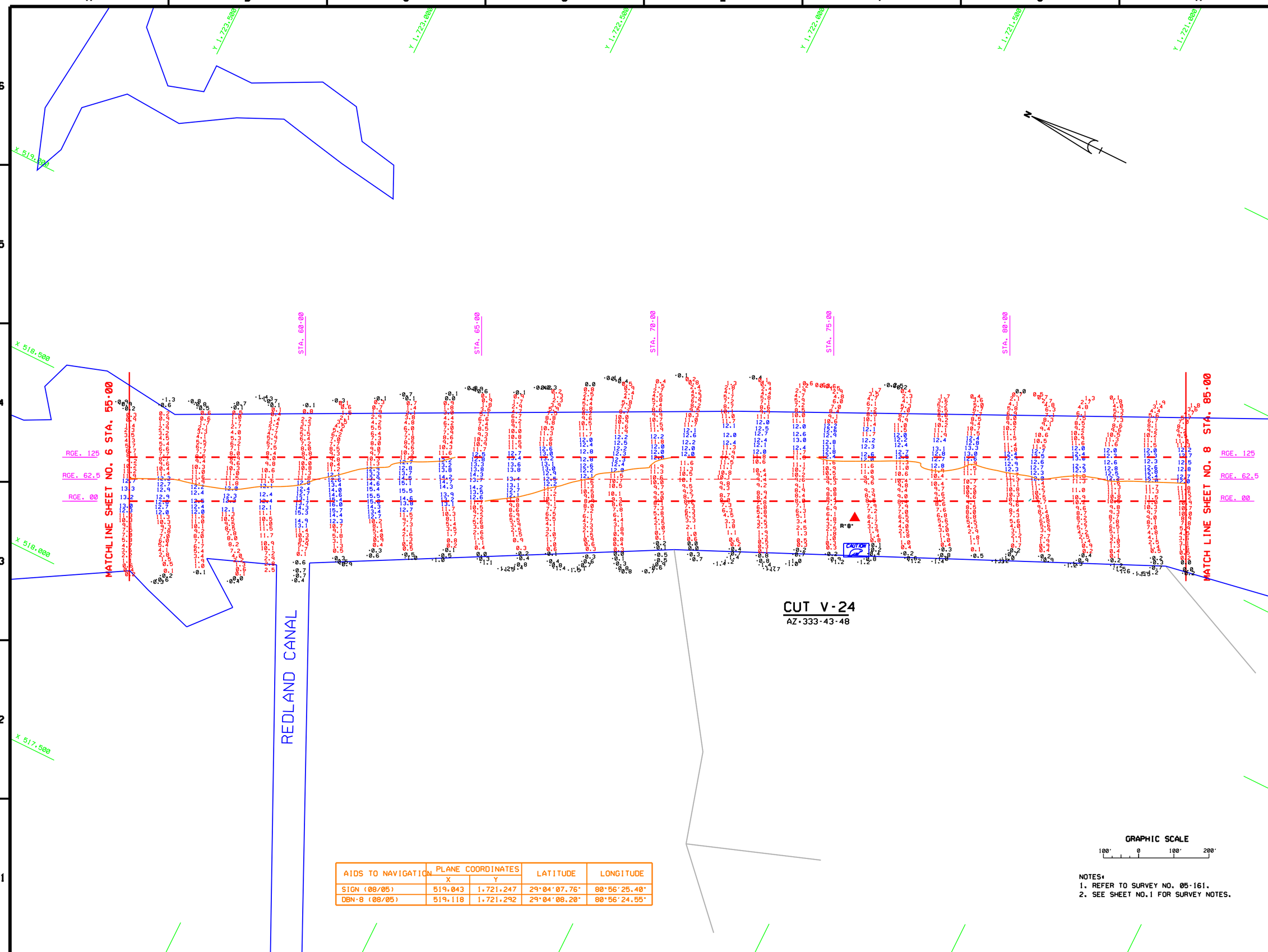
DESIGNED BY: TMH
DWN BY: VRM
CKD BY: VRM
DATED: SEP 2005
D.O. FILE NO.

FILE NAME: D12SH05.DGN
REFERENCE FILES: BROPR8.DGN, VOLUCL4.DGN, VOLUBASE.DGN, GISIV24.DGN, GISIV4A.DGN, DIVISION.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 25+00 THRU STA. 55+00 CUT V-24
PLAN

DRAWING NO.
6/16

SHEET 6 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (08/05)	519,043	1,721,247	29°04'07.76"	80°56'25.40"
DBN-8 (08/05)	519,118	1,721,292	29°04'08.20"	80°56'24.55"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

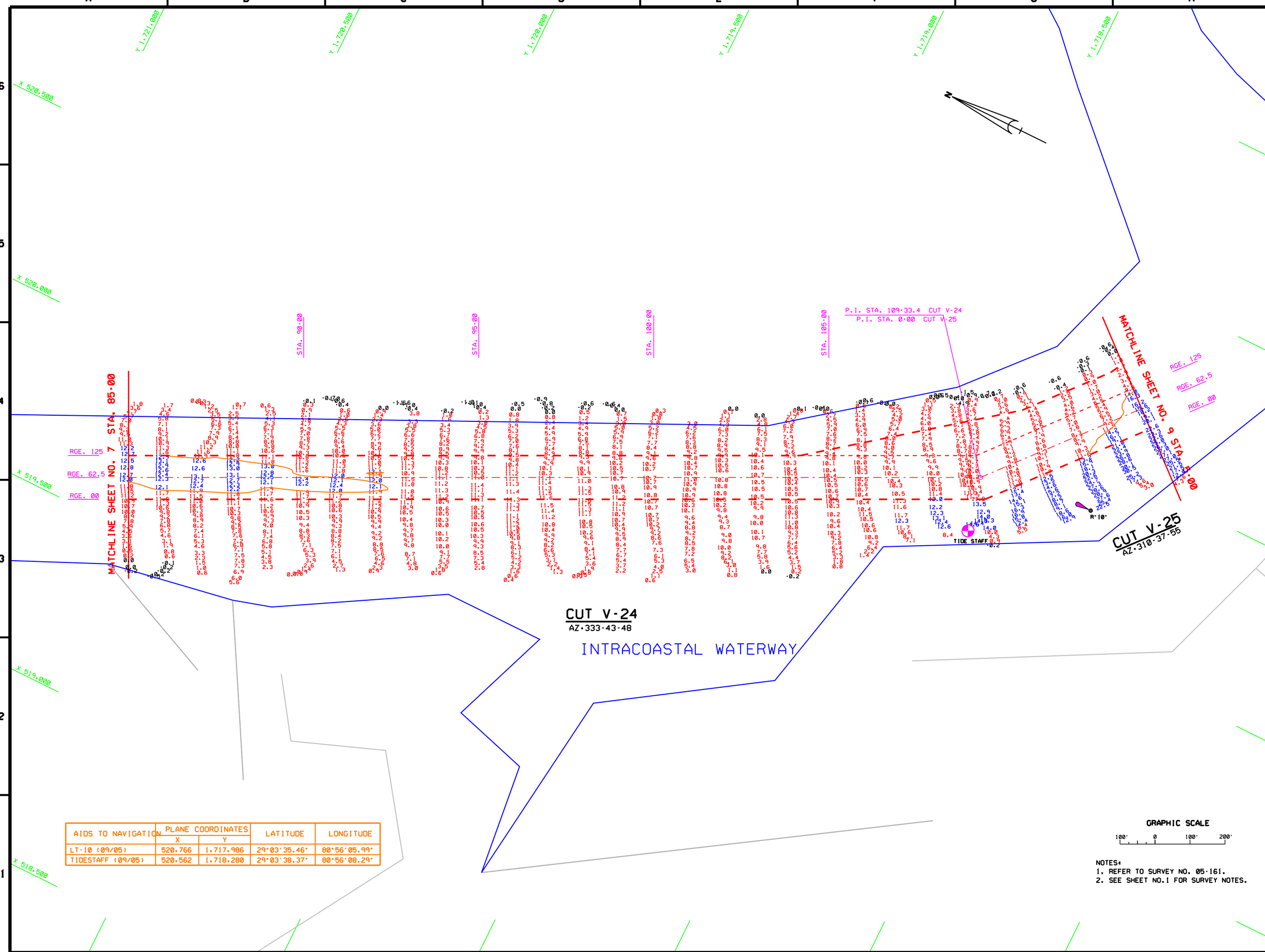
INW. MDDA-2017-XX-X-XXXX
DWTED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

DESIGNED BY: TWH
CKD BY: VDM
DWN BY: VDM
REFERENCE FILES: BRDPRS.DGN V_CHANNEL.DGN VOLUBASE.DGN G161MAY.DGN G161V24.DGN G161CON.DGN
FILE NAME: G161SHEET.DGN
DATED: SEP 2005
D.O.FILE NO.

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 55+00 THRU STA. 85+00 CUT V-24
PLAN

DRAWING NO.
7/16

SHEET 7 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-10 (09/05)	520,766	1,717,986	29°03'35.46"	80°56'05.99"
TIDESTAFF (09/05)	520,562	1,718,280	29°03'38.37"	80°56'08.29"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

DWG. NO: 05-161-17-XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXX XXXX
PLOT SCALE: X X

DESIGNED BY: DMH
DWN BY: MRM
CKD BY: MRM

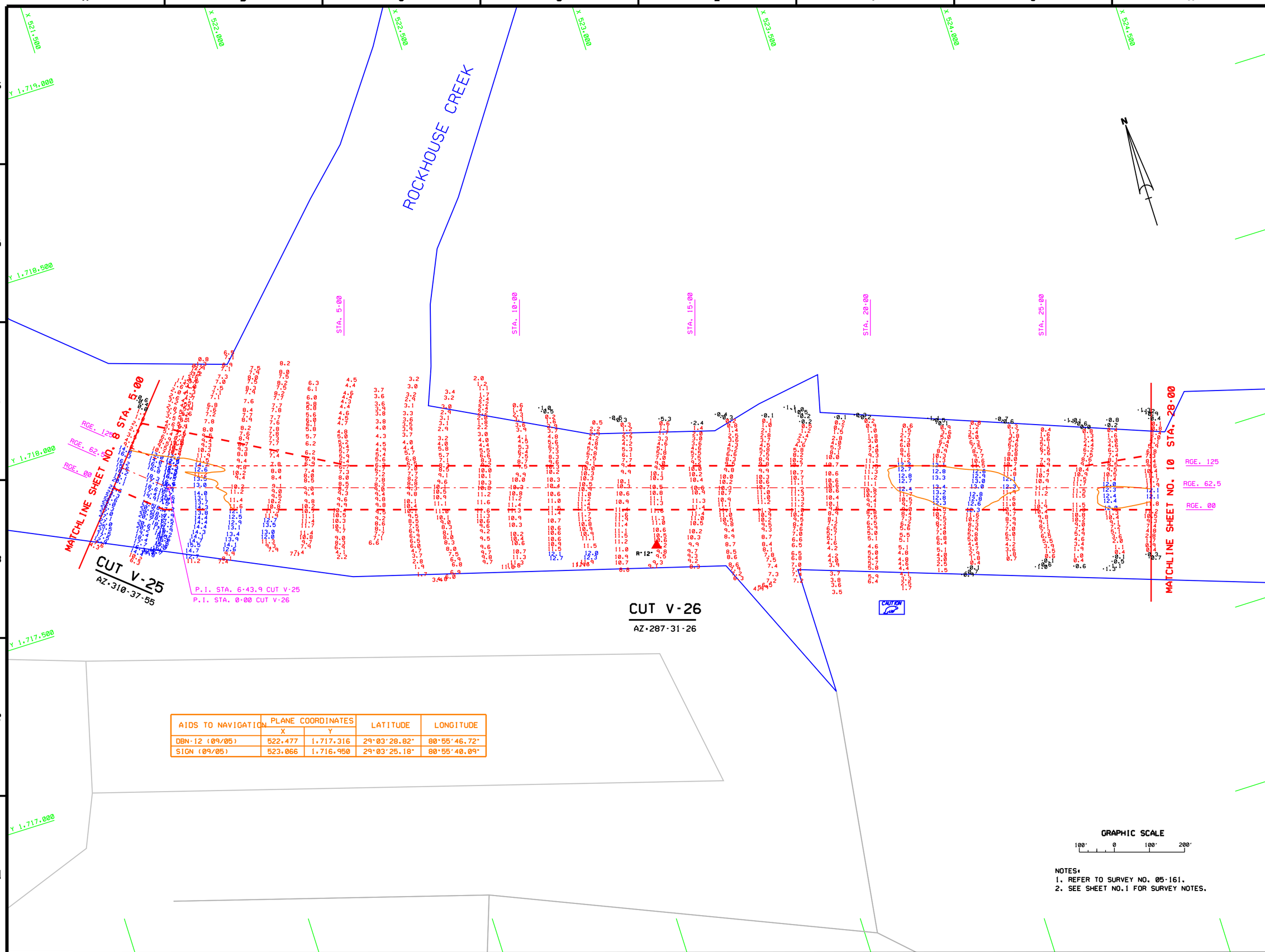
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: G161SP085.DGN
REFERENCE FILES: BRDRSQ.DGN, V_CHANNEL.DGN, VOLUSBASE.DGN, G161V24.DGN, G161V25.DGN, G161MAY.DGN, G161CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 85+00 CUT V-24 THRU STA. 5+00 CUT V-25
PLAN

DRAWING NO.
8/16

SHEET 8 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-12 (09/05)	522.477	1.717.316	29°03'28.82"	80°55'46.72"
SIGN (09/05)	523.066	1.716.950	29°03'25.18"	80°55'40.09"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INK: HOOK:17-XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

DESIGNED BY: TWH
DWN BY: VDN
CKD BY: VDN

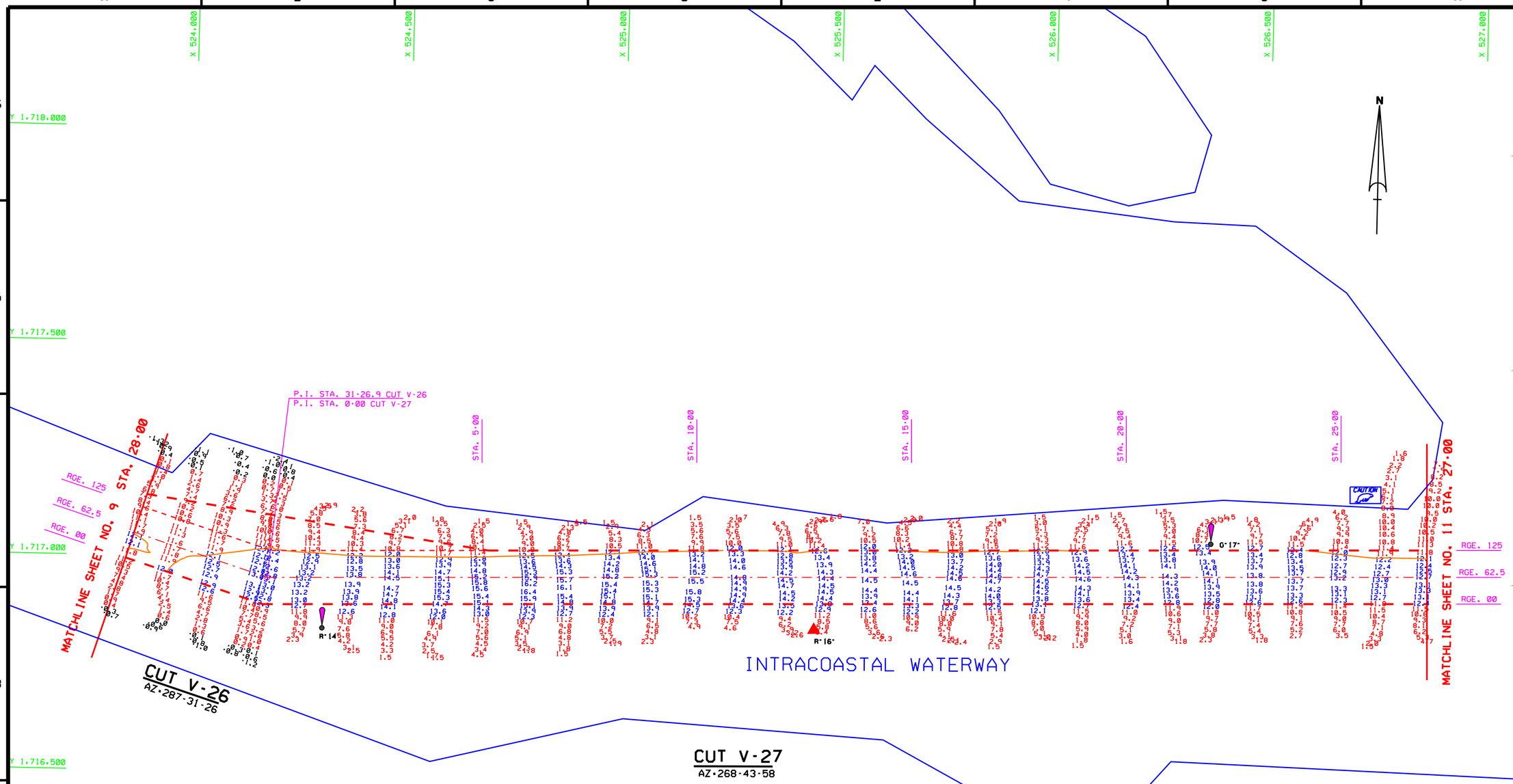
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: C161SHEET.DGN
REFERENCE FILES: BRDPRG.DGN, VOLUCHL.DGN, VOLUBASE.DGN, C161V25.DGN, C161V26.DGN, C161MAP.DGN, C161CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 5+00 CUT V-25 THRU STA. 28+00 CUT V-26
PLAN

DRAWING NO.
9/16

SHEET 9 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-14 (09/05)	524.312	1,716.835	29°03'24.04"	80°55'26.04"
DBN-16 (09/05)	525.458	1,716.855	29°03'24.23"	80°55'13.14"
SIGN (09/05)	526.738	1,717.202	29°03'27.66"	80°54'58.71"
LT-17 (09/05)	526.377	1,717.075	29°03'26.40"	80°55'02.77"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INW. NO. JACX977-XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

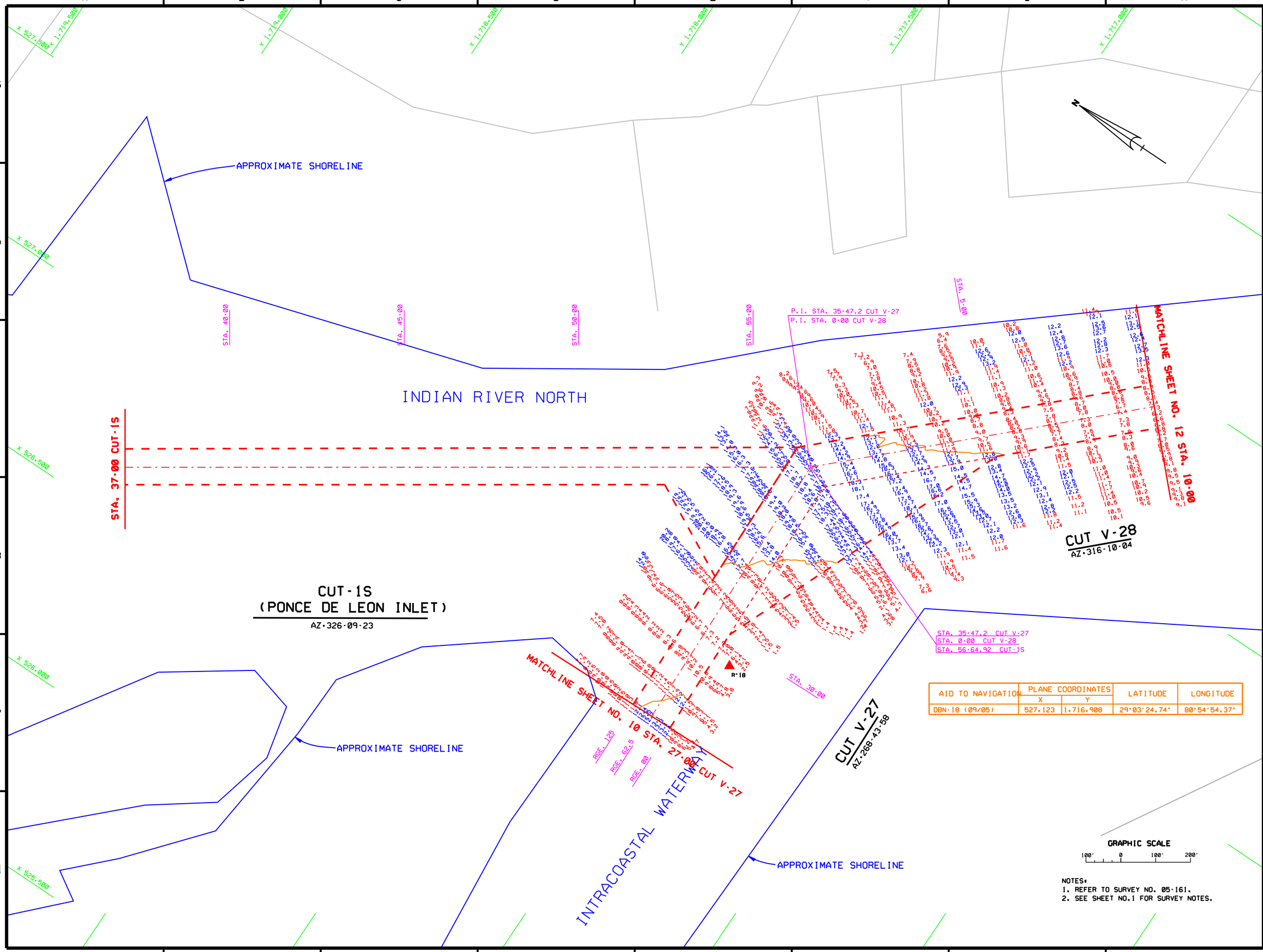
DESIGNED BY: RGH
DWN BY: VRM
CKD BY: VRM
DATED: SEP 2005
D.O. FILE NO.

FILE NAME: G161SH10.DGN
REFERENCE FILES: BKDP98.DGN, VOLUCIK.DGN, VOLUBASE.DGN, G161MAP.DGN, G161V27.DGN, G161CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 28+00 CUT V-26 THRU STA. 27+00 CUT V-27
PLAN

DRAWING NO.
10/16

SHEET 10 OF 26



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-18 (09/05)	527.123	1,716.908	29°03'24.74"	80°54'54.37"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INW. MDJACK77 XX.X.XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

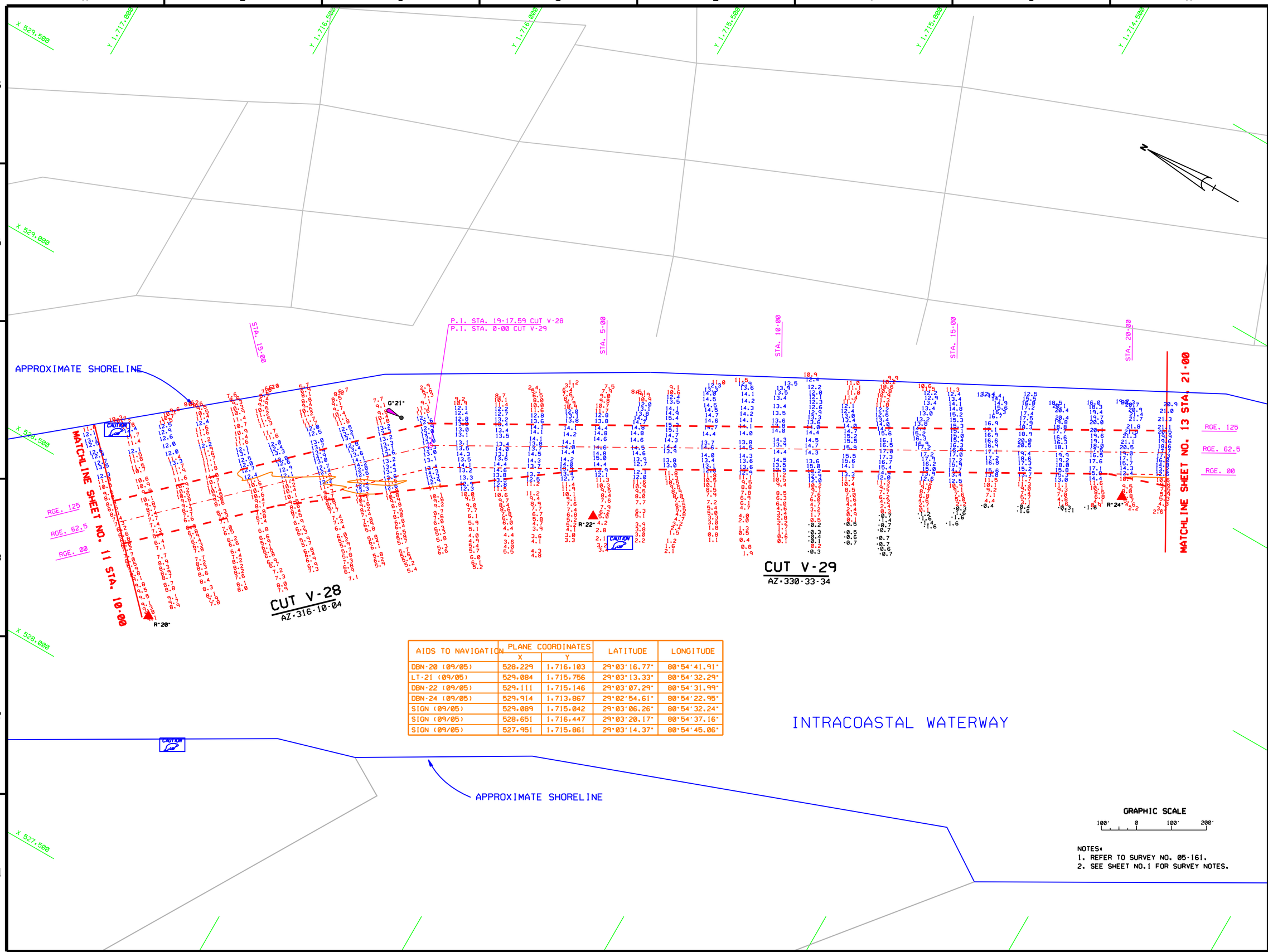
DESIGNED BY: FMM
DWN BY: VRM
CKD BY: VRM
DATED: SEP 2005
D.O.F.ILE NO.

FILE NAME: G161SH11.DGN
REFERENCE FILES: SHDSHR0.DGN
SHDSHR1.DGN
VOLBASE.DGN
VOLLOCK.DGN
G161V27.DGN
G161V28.DGN
G161CON.DGN
G161HAV.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 27+00 CUT V-27 THRU STA. 10+00 CUT V-28
PLAN

DRAWING NO.
11/16

SHEET 11 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-20 (09/05)	528.229	1.716.103	29°03'16.77"	80°54'41.91"
LT-21 (09/05)	529.084	1.715.756	29°03'13.33"	80°54'32.29"
DBN-22 (09/05)	529.111	1.715.146	29°03'07.29"	80°54'31.99"
DBN-24 (09/05)	529.914	1.713.867	29°02'54.61"	80°54'22.95"
SIGN (09/05)	529.089	1.715.042	29°03'06.26"	80°54'32.24"
SIGN (09/05)	528.651	1.716.447	29°03'20.17"	80°54'37.16"
SIGN (09/05)	527.951	1.715.861	29°03'14.37"	80°54'45.06"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INK: MEDIUM17.XX.X.XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X:X

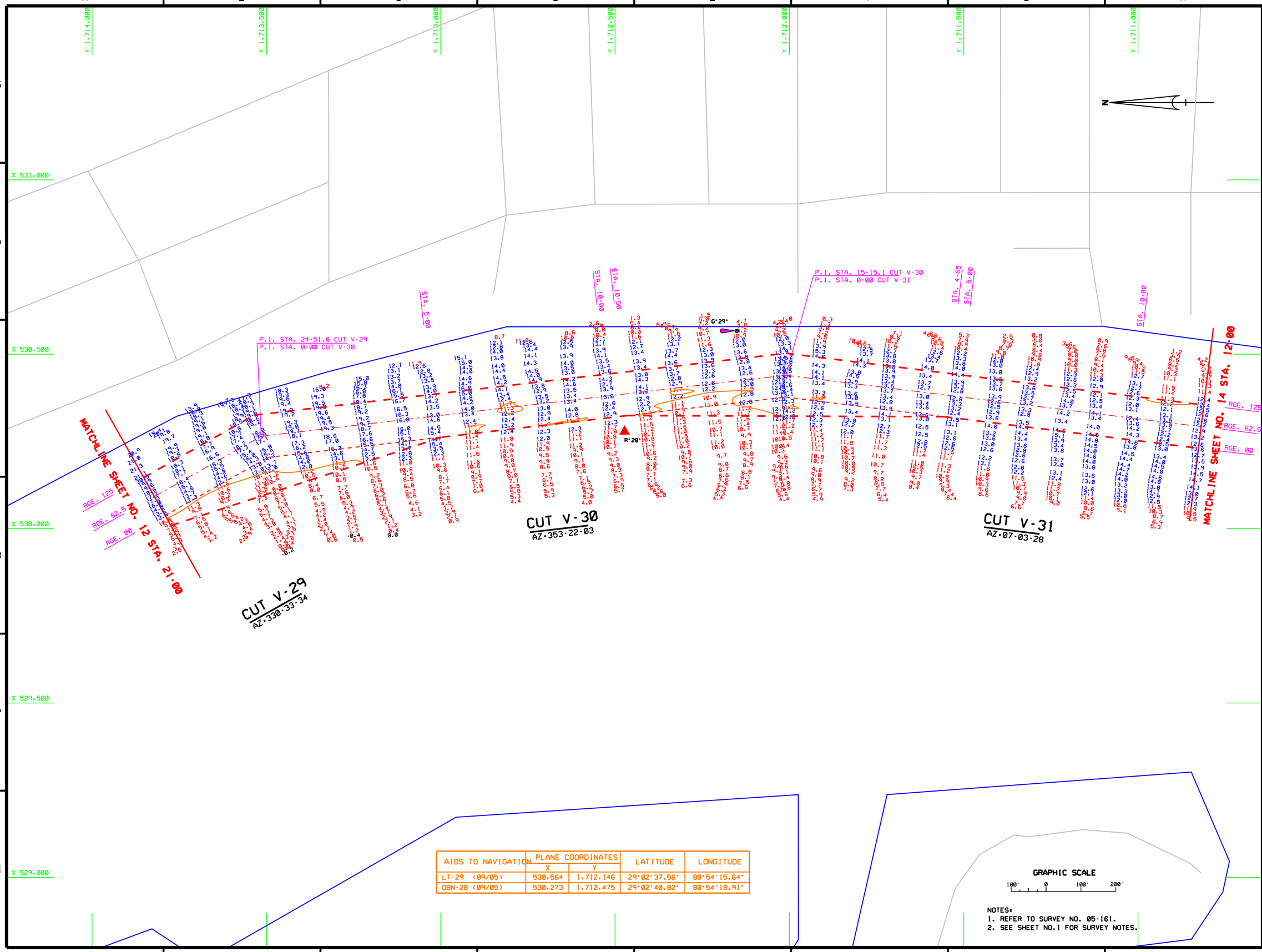
DESIGNED BY: DBH
DWN BY: MRW
CKD BY: MRW
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: GIS13H12.DGN
REFERENCE FILES: BROPR9.DGN, V_CHANNEL.DGN, VOLUBASE.DGN, GIS128.DGN, GIS129.DGN, GIS130.DGN, GIS131.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 18+00 CUT V-28 THRU STA. 21+00 CUT V-29
PLAN

DRAWING NO.
12/16

SHEET 12 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-29 (09/05)	530.564	1,712.146	29°02'37.56"	80°54'15.64"
DBN-28 (09/05)	530.273	1,712.475	29°02'40.82"	80°54'18.91"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INW. MGDACW17-XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

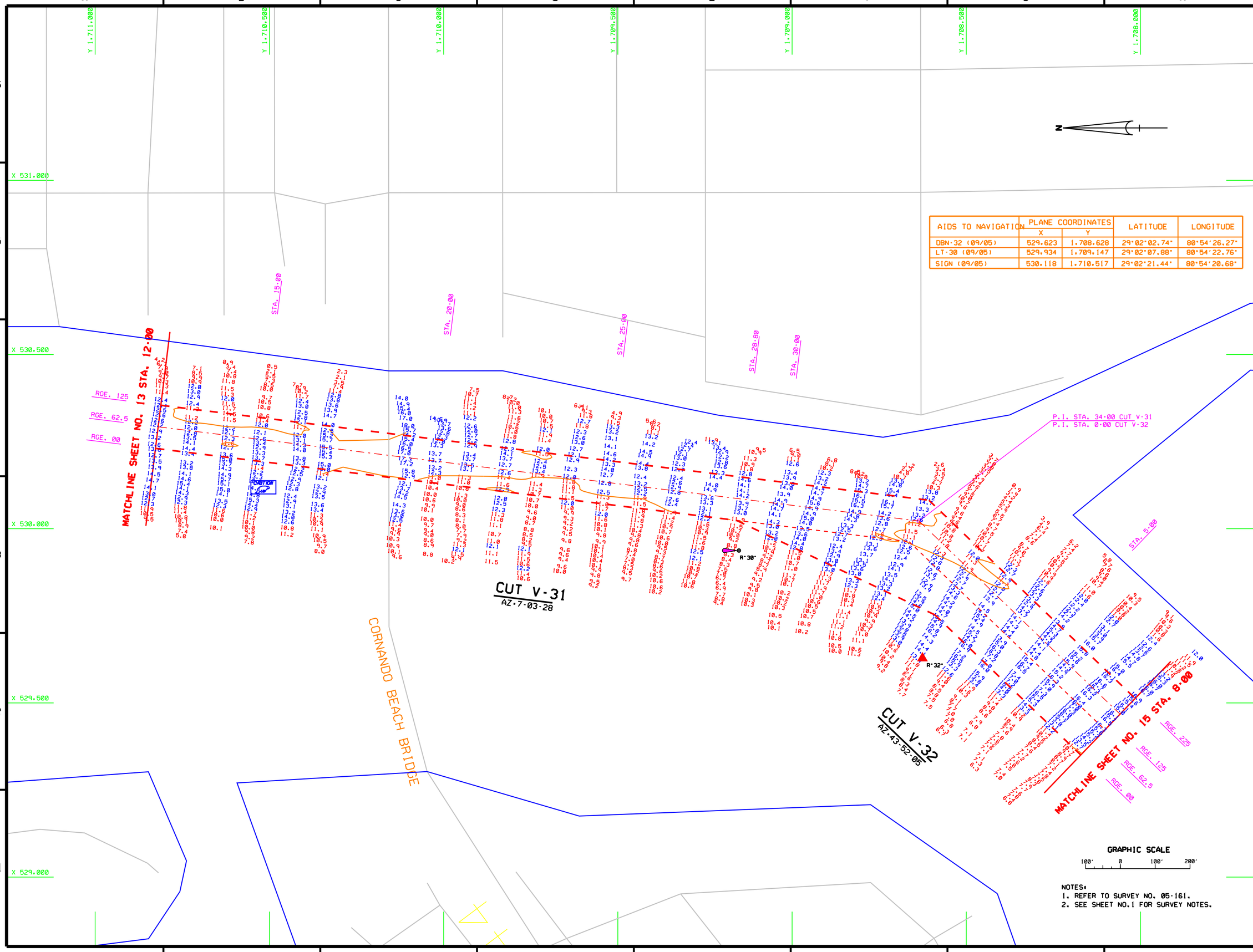
DESIGNED BY: FDOH
DWN BY: VDM
CKD BY: VDM
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: G161SH13.DGN
REFERENCE FILES: BROPR9.DGN, V_CHANNEL.DGN, G161SH2.DGN, G161SH7.DGN, G161V29.DGN, G161V31.DGN, G161DGN.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 21+00 CUT V-29 THRU STA. 12+00 CUT V-31
PLAN

DRAWING NO.
13/16

SHEET 13 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-32 (09/05)	529,623	1,708,628	29°02'02.74"	80°54'26.27"
LT-30 (09/05)	529,934	1,709,147	29°02'07.88"	80°54'22.76"
SIGN (09/05)	530,118	1,710,517	29°02'21.44"	80°54'20.68"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

INK: MEDIACAT 7.XX.X.XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X

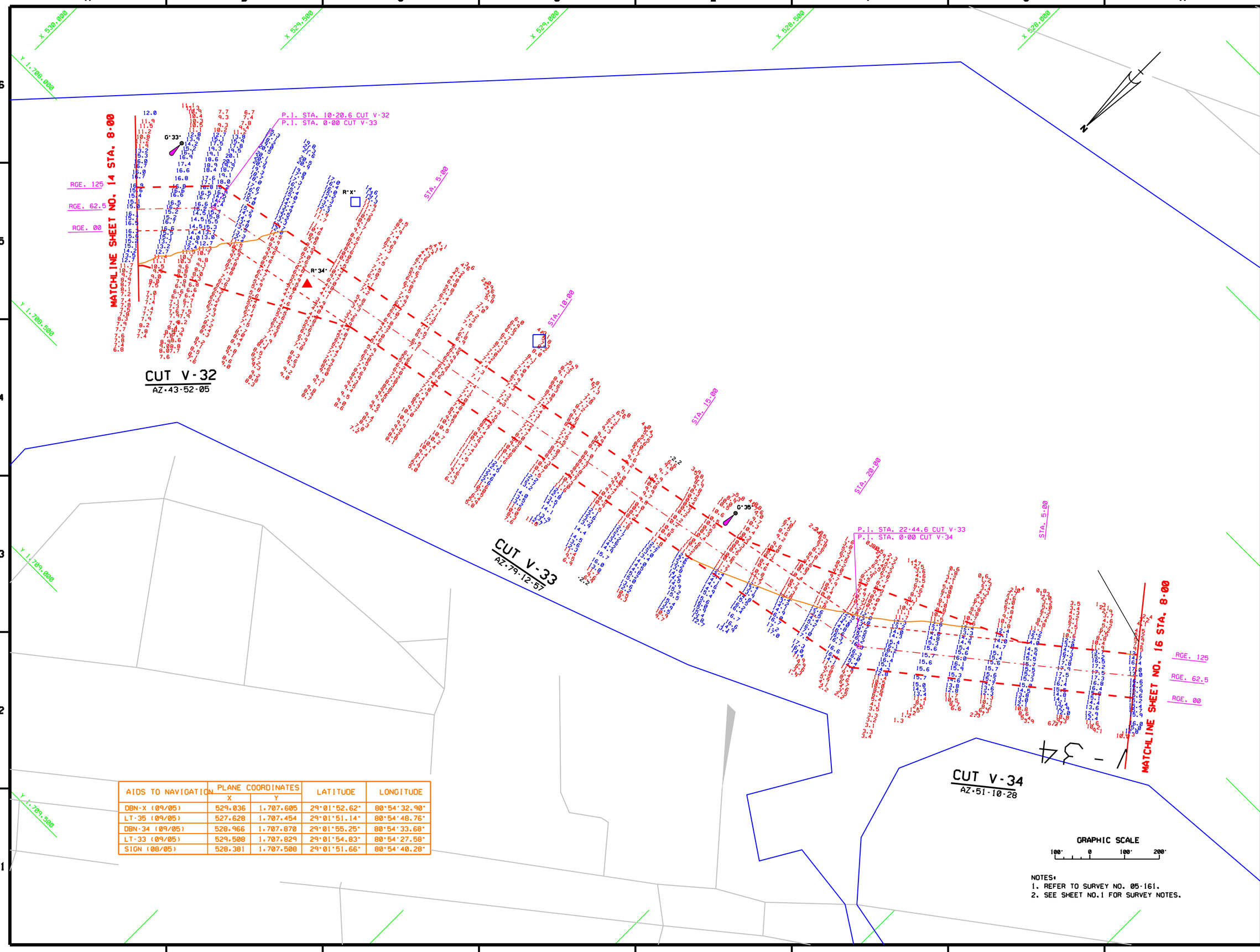
DESIGNED BY: Pbm
DWN BY: VDM
CKD BY: VDM
DATED: SEP 2005
D.O.FILE NO.

FILE NAME: C161SH14.DGN
REFERENCE FILES: BRDPRB.DGN V_CHANNEL.DGN C161NAV.DGN C161V31.DGN C161V32.DGN VOLBASE.DGN C161CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 12+00 CUT V-31 THRU STA. 8+00 CUT V-32
PLAN

DRAWING NO.
14/16

SHEET 14 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-X (09/05)	529.036	1,707.605	29°01'52.62"	80°54'32.90"
LT-35 (09/05)	527.628	1,707.454	29°01'51.14"	80°54'48.76"
DBN-34 (09/05)	528.966	1,707.870	29°01'55.25"	80°54'33.68"
LT-33 (09/05)	529.508	1,707.829	29°01'54.83"	80°54'27.58"
SIGN (08/05)	528.381	1,707.508	29°01'51.66"	80°54'40.28"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 05-161.
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

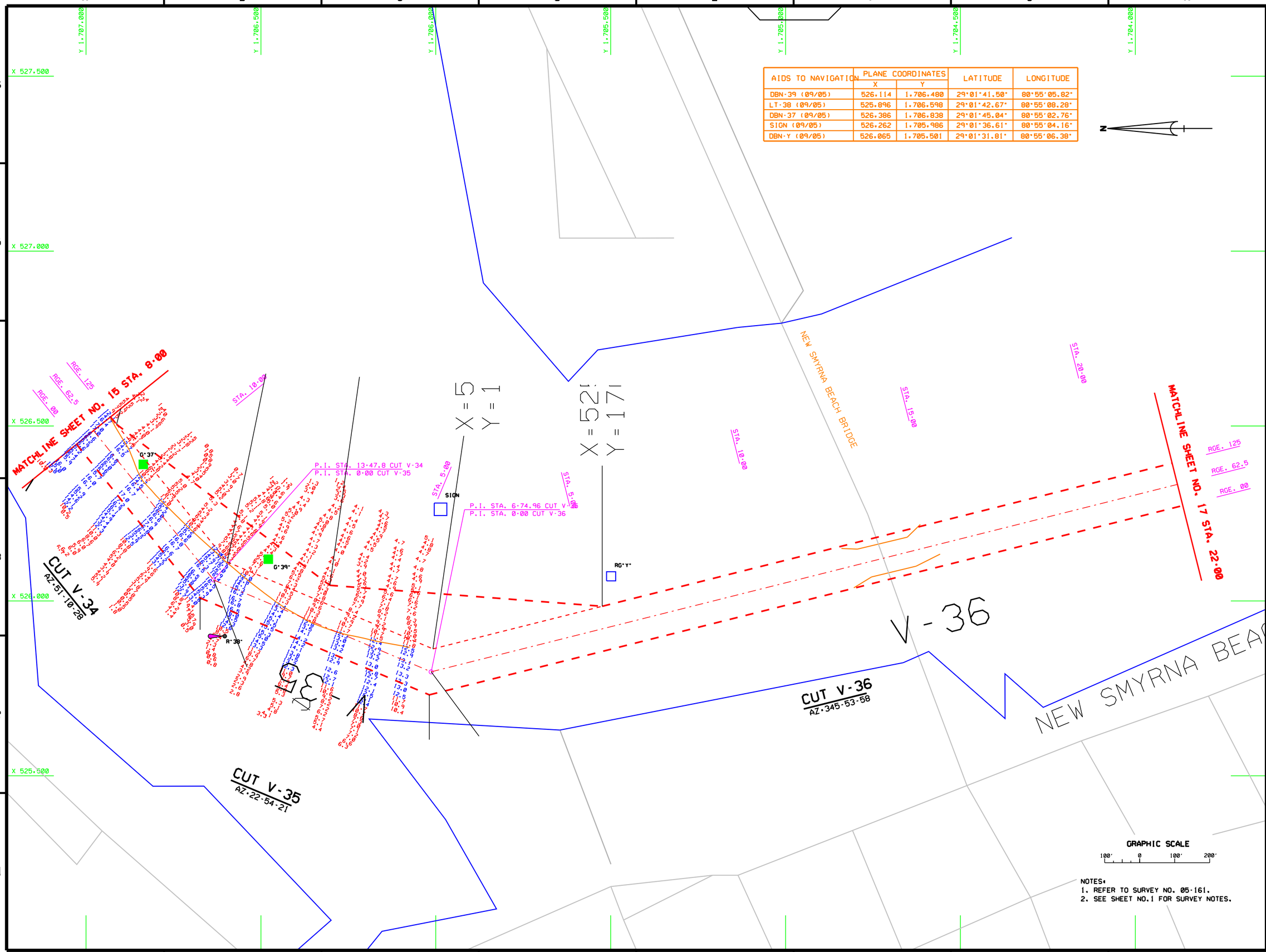
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 8+00 CUT V-32 THRU STA. 8+00 CUT V-34
PLAN

FILE NAME: G161SH15.DGN
DESIGNED BY: TMH
DWN BY: VRM
CKD BY: VRM
REFERENCE FILES: BROPR8.DGN, V_CHANNEL.DGN, G161SH01.DGN, G161MAV.DGN, G161V32.DGN, G161V33.DGN, G161V34.DGN, G161CON.DGN
INV. NO. 2W417 XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X:X
DATED: SEP 2005
D.O. FILE NO.

DRAWING NO.
15/16

SHEET 15 OF 26



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-39 (09/05)	526,114	1,706,480	29°01'41.50"	80°55'05.82"
LT-38 (09/05)	525,896	1,706,598	29°01'42.67"	80°55'08.28"
DBN-37 (09/05)	526,386	1,706,838	29°01'45.04"	80°55'02.76"
SIGN (09/05)	526,262	1,705,986	29°01'36.61"	80°55'04.16"
DBN-Y (09/05)	526,065	1,705,501	29°01'31.81"	80°55'06.38"

NOTES:
1. REFER TO SURVEY NO. 05-161.
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: WRM
DWN BY: WRM
CKD BY: WRM
LNK: NSBX17-XX-X-XXXX
DATED: XX XXX XXXX
SCALE: AS SHOWN
PLOT DATE: XX XXXX
PLOT SCALE: X:X
DATED: JUN 2002
D.O.FILE NO.

FILE NAME: D:\T25016.DGN
REFERENCE FILES: BRDPRG.DGN, V_CANNEL.DGN, V_BASE.DGN, D1\2MAV.DGN, D1\2CT34.DGN, D1\2CT35.DGN, D1\2CT36.DGN, D1\2CON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 8+00 CUT V-34 THRU STA. 22+00 CUT V-36
PLAN

DRAWING NO.
16/16

SHEET 16 OF 26