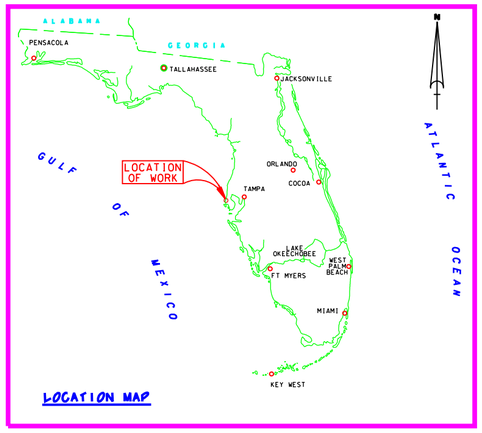
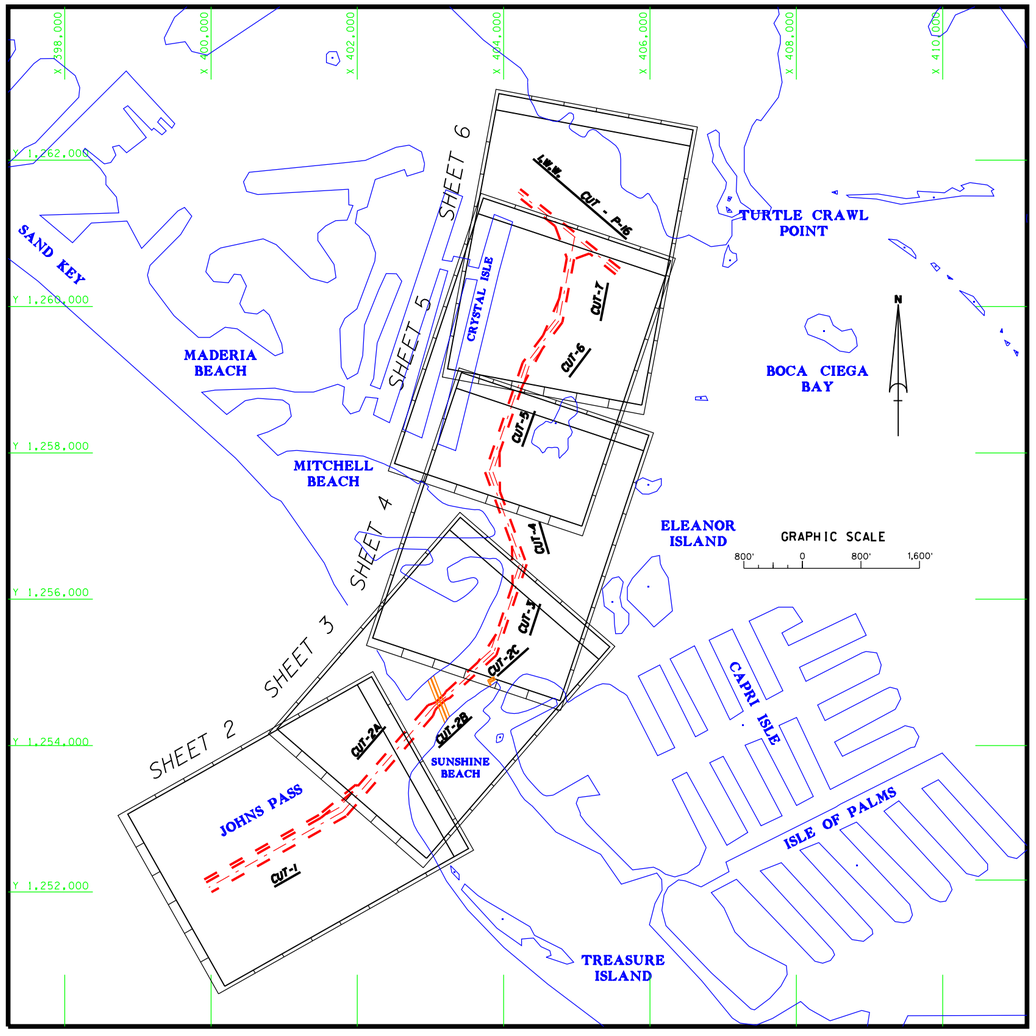
JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY





SURVEY NOTES:

1. REFER TO SURVEY NO. 08-198.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 1.43 FEET BELOW NAVD 1988.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A WOODEN PILING IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "USCE 7-1".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST 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 NAVBEACON SYSTEM AT "EGMONT" 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
JACKSONVILLE	17-18 SEP 2008	1 THRU 7

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 PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1103, HYDROGRAPHIC SURVEYING, 1 JAN 02.

BENCHMARK	NAVD ELEV. (FT)
USCE 7-1	6.88

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

NAVD 1988
1.43 feet
M.L.L.W.

Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001 epoch)

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: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX%

Designed by: TWH
Dwn by: DWB
Ckd by: WRM
Dated: SEP 2008
D.O.F.ILE NO.

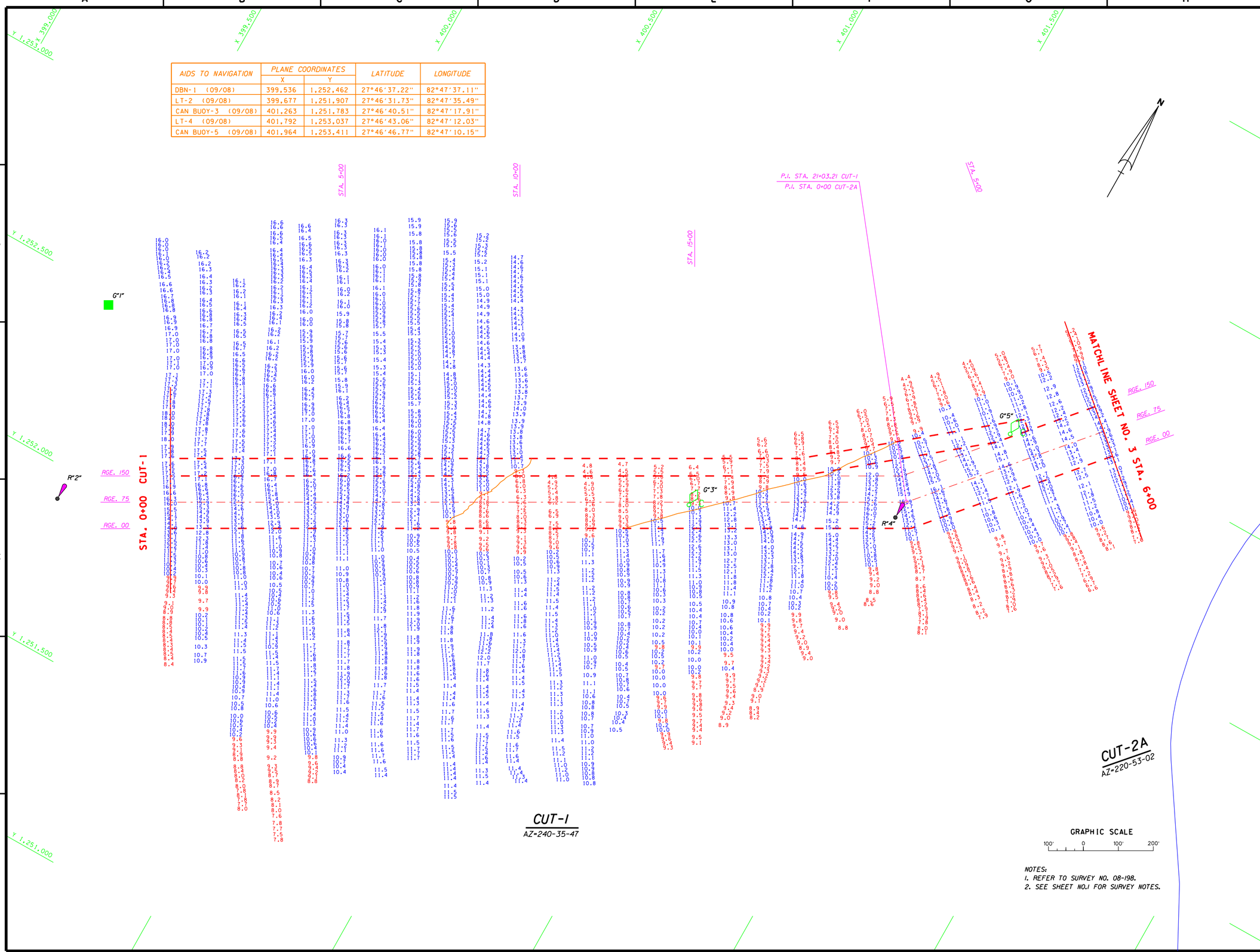
File name: 08-198SHO1.DGN
Reference files: 080908.DGN
NEWFLMAP.DGN
JPTOPO83.DGN
JPLAYOUT83.DGN
JPASSCHL.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
COVER SHEET
PLAN

DRAWING NO.
1/7

SHEET 1 OF 7

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-1 (09/08)	399,536	1,252,462	27°46'37.22"	82°47'37.11"
LT-2 (09/08)	399,677	1,251,907	27°46'31.73"	82°47'35.49"
CAN BUOY-3 (09/08)	401,263	1,251,783	27°46'40.51"	82°47'17.91"
LT-4 (09/08)	401,792	1,253,037	27°46'43.06"	82°47'12.03"
CAN BUOY-5 (09/08)	401,964	1,253,411	27°46'46.77"	82°47'10.15"



NOTES:
1. REFER TO SURVEY NO. 08-198.
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

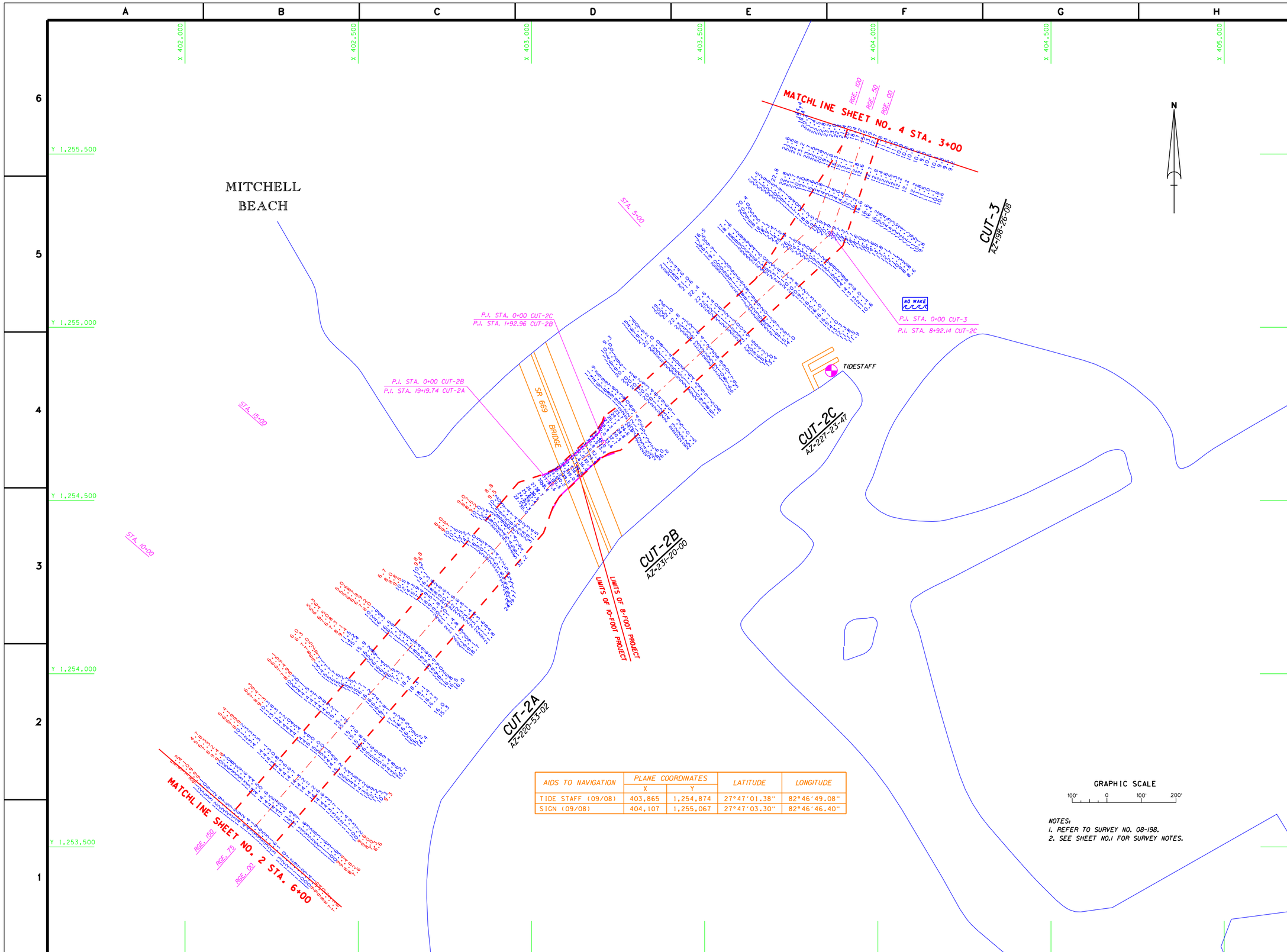
Designed by: RWH
Dwn by: WRW
Ckd by: WRW
Date: SEP 2008
D.O.FILE NO.

File name: 08-198SH02.DGN
Reference files: BRDR98.DGN JPASSCHL.DGN JPTOPO83.DGN 08-198CT1.DGN 08-198CT2A.DGN 08-198NAV.DGN CONTO.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 6+00 CUT-2A
PLAN

DRAWING NO.
2/7

SHEET 2 OF 7



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIDE STAFF (09/08)	403,865	1,254,874	27°47'01.38"	82°46'49.08"
SIGN (09/08)	404,107	1,255,067	27°47'03.30"	82°46'46.40"

NOTES:
1. REFER TO SURVEY NO. 08-198.
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: XX:X

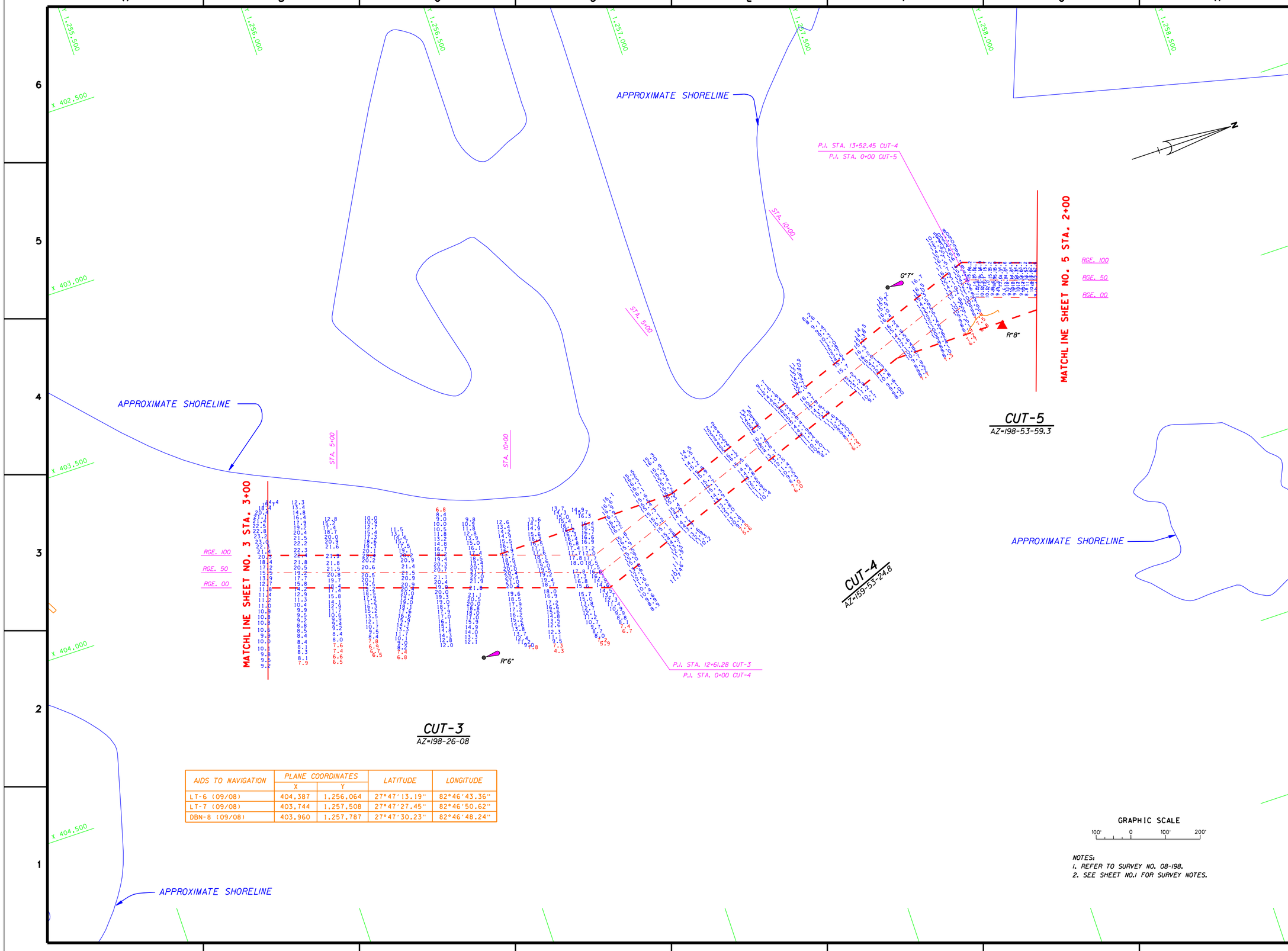
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Dated: SEP 2008
D.O.FILE NO.

File name: 08-198SH03.DGN
Reference files: BRDR98.DGN JPASSCHL.DGN 08-198CT2A.DGN 08-198CT2B.DGN 08-198CT2C.DGN 08-198CT3.DGN 08-198NAV.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
STA. 6+00 CUT-2A THRU STA. 3+00 CUT-3
PLAN

DRAWING NO.
3/7

SHEET 3 OF 7



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-6 (09/08)	404,387	1,256,064	27°47'13.19"	82°46'43.36"
LT-7 (09/08)	403,744	1,257,508	27°47'27.45"	82°46'50.62"
DBN-8 (09/08)	403,960	1,257,787	27°47'30.23"	82°46'48.24"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-198.
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: XX:X

Designed by: TWH
Dwn by: CHUC
Ckd by: WRN

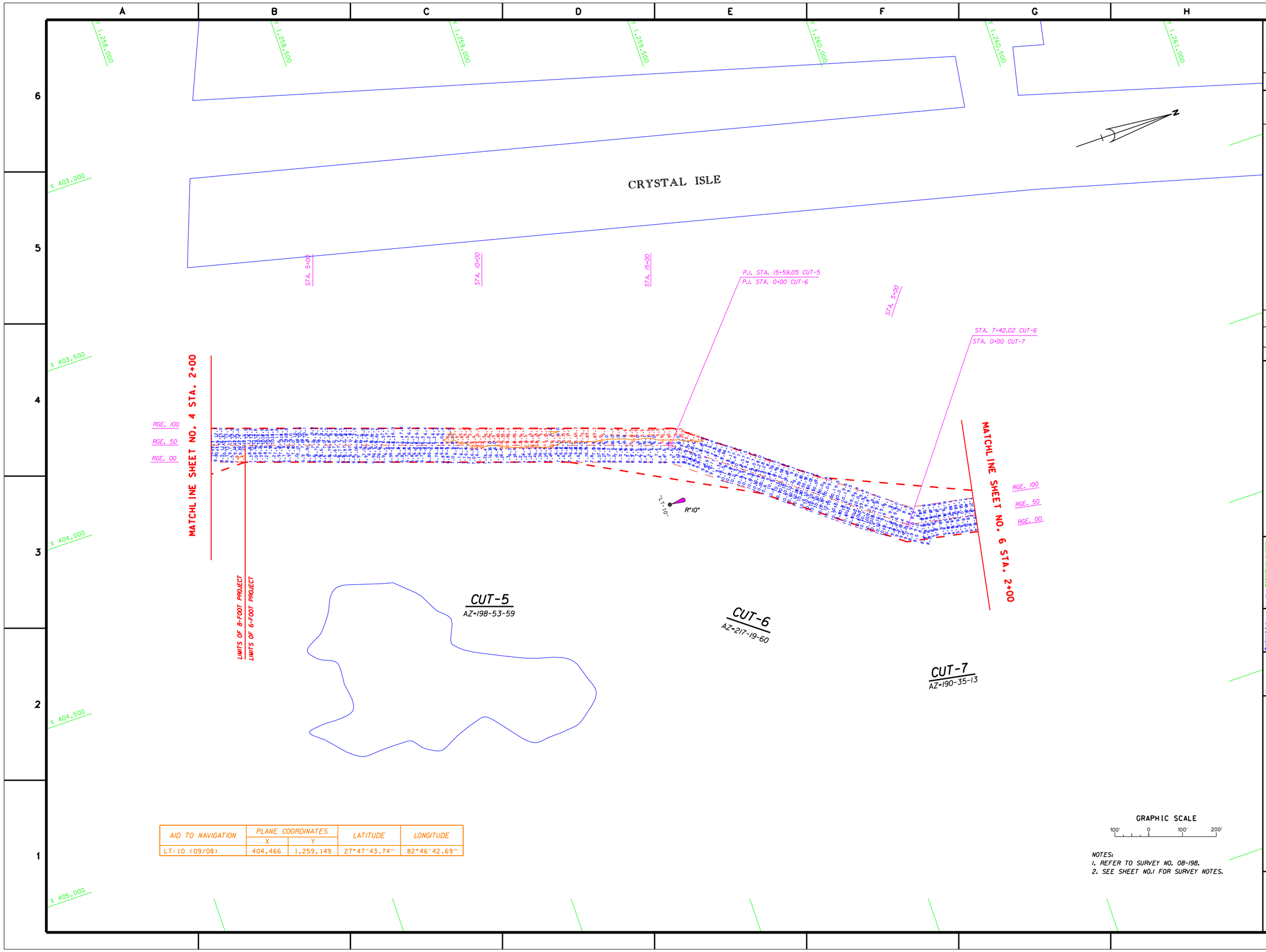
Dated: SEP 2008
D.O.F ILE NO.

File name: 08-198SH04.DGN
Reference files: BBDR98.DGN JPASSCHL.DGN JP-PONDS.DGN 08-198C13.DGN 08-198C14.DGN 08-198SH02.DGN 08-198SH03.DGN CONB.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
STA.3+00 CUT-3 THRU STA.2+00 CUT-5
PLAN

DRAWING NO.
4/7

SHEET 4 OF 7



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-10 (09/08)	404,466	1,259,149	27°47'43.74"	82°46'42.69"

NOTES:
1. REFER TO SURVEY NO. 08-198.
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: XX:X

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

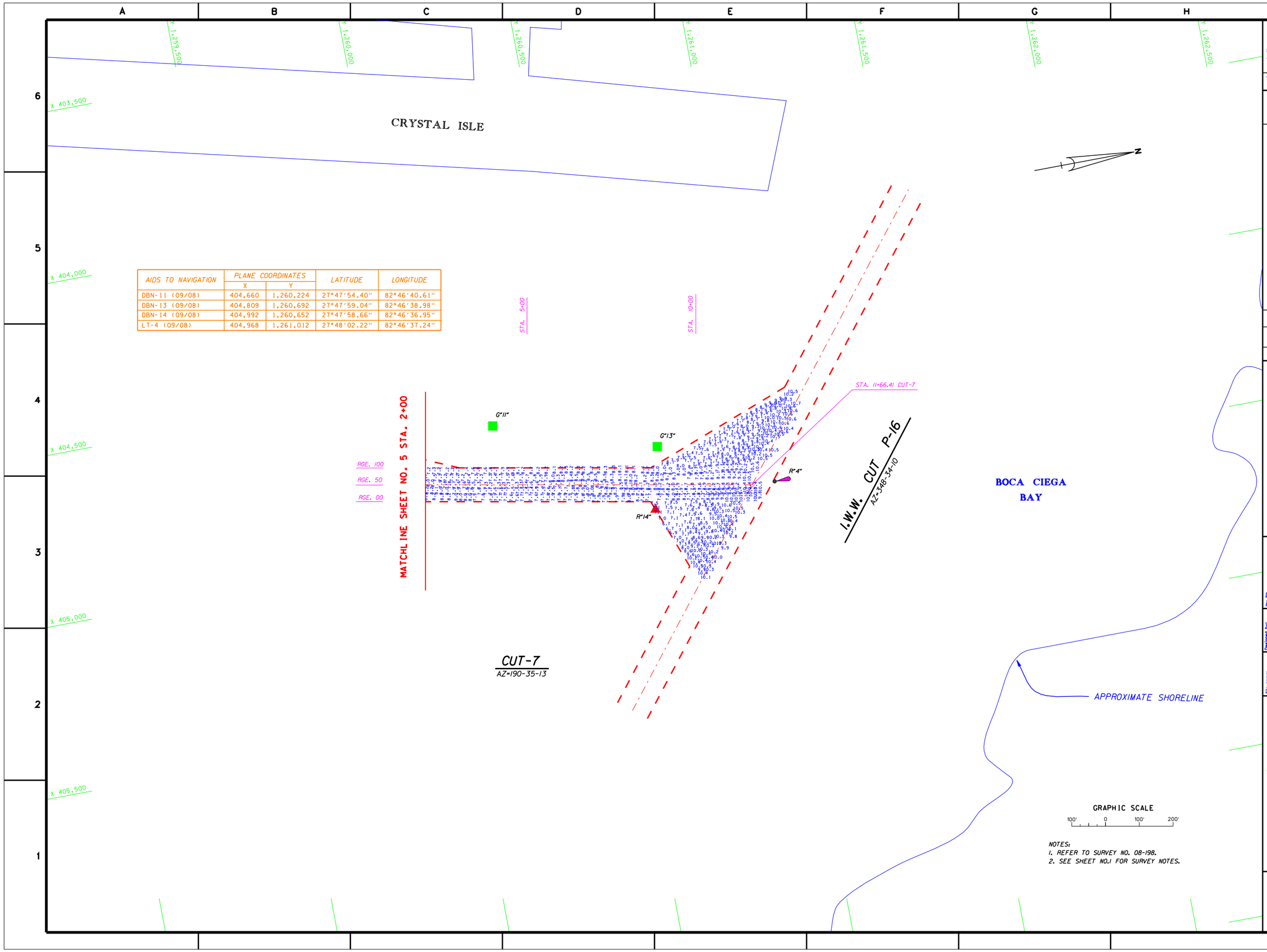
Dated: SEP 2008
D.O.FILE NO.

File name: 08-198SH05.DGN
Reference files: BRDR98.DGN JPTOPO83.DGN JPASSCHL.DGN 08-198CT5.DGN 08-198CT6.DGN 08-198CT7.DGN 08-198NAV.DGN CON6.DGN CON8.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
STA. 2+00 CUT-5 THRU STA. 2+00 CUT-7
PLAN

DRAWING NO.
5/7

SHEET 5 OF 7



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-11 (09/08)	404,660	1,260,224	27°47'54.40"	82°46'40.61"
DBN-13 (09/08)	404,809	1,260,692	27°47'59.04"	82°46'38.98"
DBN-14 (09/08)	404,992	1,260,652	27°47'58.66"	82°46'36.95"
LT-4 (09/08)	404,968	1,261,012	27°48'02.22"	82°46'37.24"

NOTES:
1. REFER TO SURVEY NO. 08-198.
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

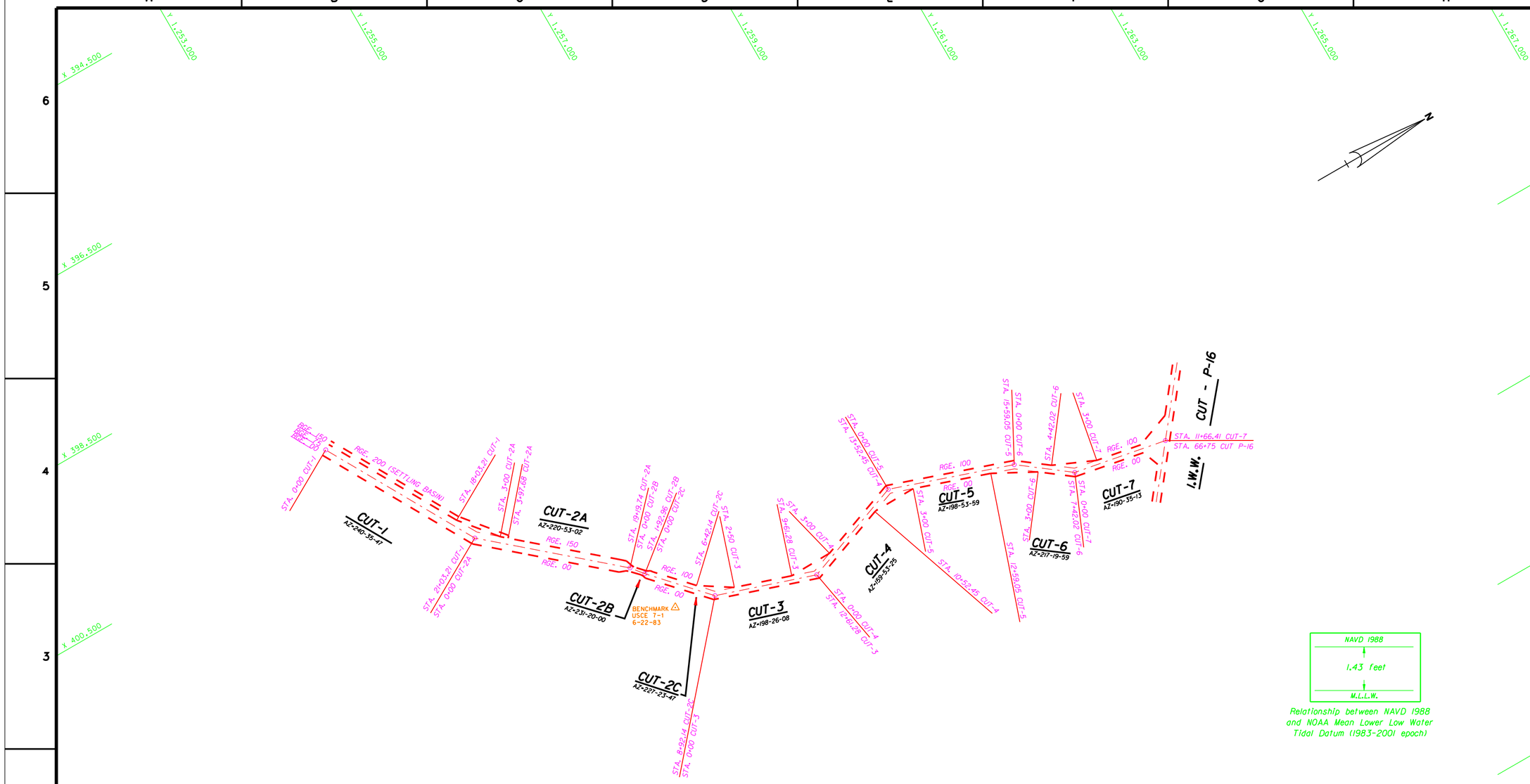
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No.
Dated:
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X
Dated: SEP 2008
D.O. FILE NO.

File name: 08-198SH06.DGN
Reference files: BRDR98.DGN JPASSCHL.DGN JPTOPO83.DGN 08-198CT7.DGN 08-198CT7W.DGN 08-198NAV.DGN

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8 AND 10-FOOT PROJECT
STA. 2+00 THRU STA. 12+00 CUT-7
PLAN

DRAWING NO.
6/7

SHEET 6 OF 7



Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001 epoch)

CHANNEL TABULATION			
X	Y	STATION	CUT
399,968.99	1,252,063.32	0+00 RGE.75+00	1
401,801.27	1,253,095.91	0+00 RGE.75+00	2A
403,057.80	1,254,547.30	0+00 RGE.50+00	2B
403,208.46	1,254,667.86	0+00 RGE.50+00	2C
403,865.13	1,255,271.77	0+00 RGE.50+00	3
404,263.99	1,256,468.32	0+00 RGE.50+00	4
403,798.99	1,257,738.32	0+00 RGE.50+00	5
404,303.99	1,259,213.32	0+00 RGE.50+00	6
404,753.99	1,259,803.88	0+00 RGE.50+00	7
404,968.29	1,260,949.88	11+66.41 RGE.50+00	7

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-198.
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: XX:X

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

File name: 08-198SHD7.DGN
Reference files: BRDR98.DGN JPASSCHL.DGN

Dated: SEP 2008
D.O.FILE NO.

JOHNS PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
6, 8, AND 10-FOOT PROJECT
CHANNEL CONTROL DATA
PLAN

DRAWING NO.
7/7

SHEET 7 OF 7