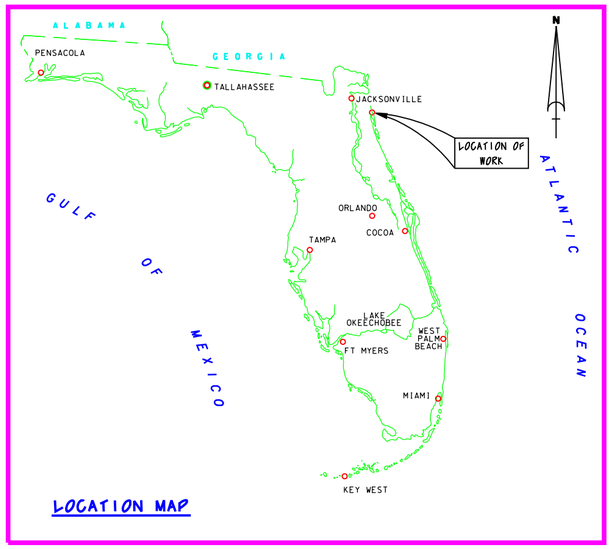
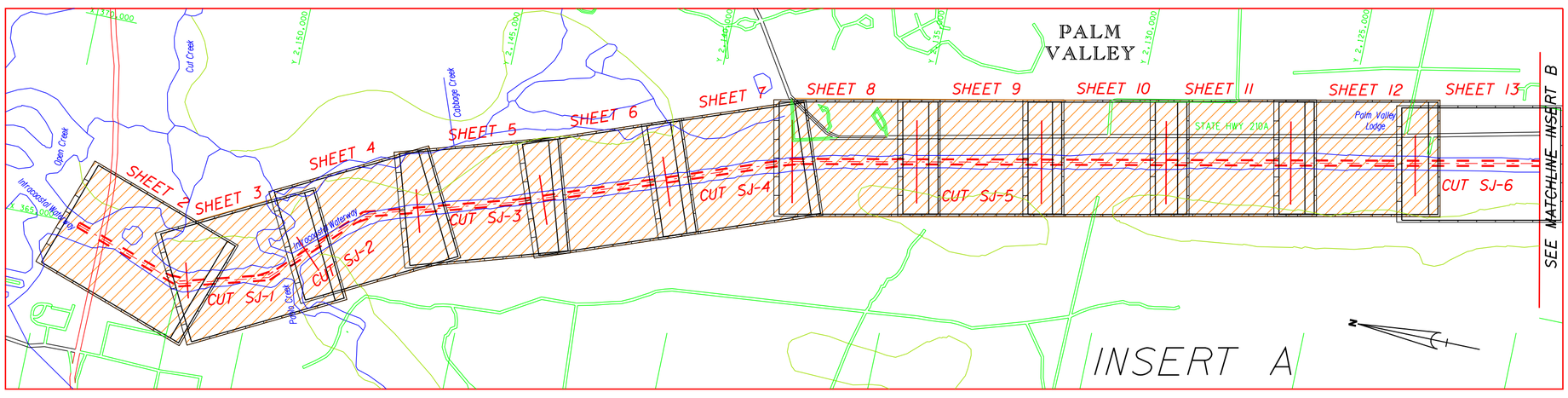
INTRACOASTAL WATERWAY
CUTS SJ-1 THRU SJ-5
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY



LOCATION MAP

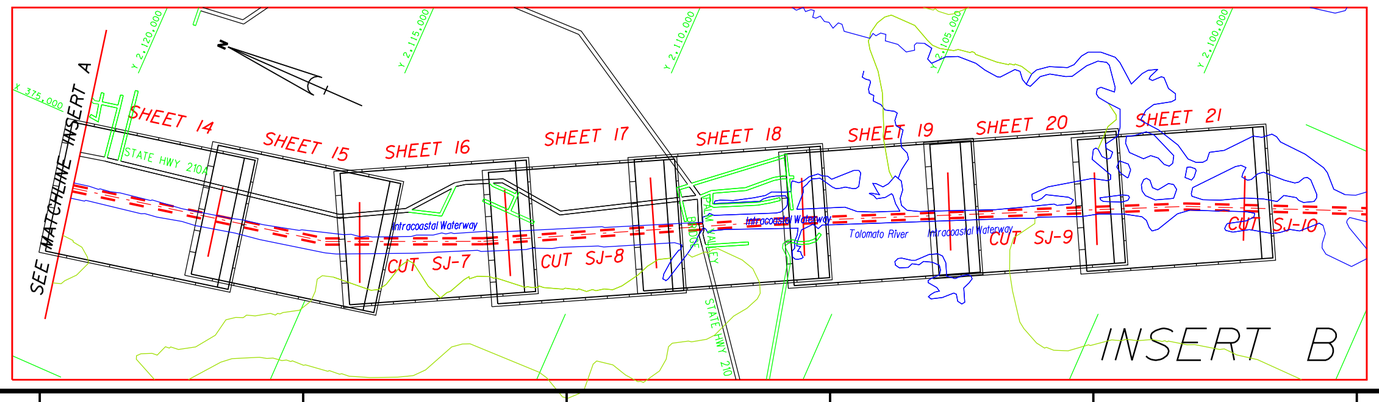
SURVEY NOTES:

1. REFER TO SURVEY NO. 08-074.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 2.83 FEET BELOW NAVD 1988 FOR CUTS SJ-1 THRU SJ-6.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A MEASURE DOWN POINT ON THE DOCK OF A HOUSE AT 245 ROSCOE BLVD., AND REFERENCED FROM BENCHMARK "WSJ-13".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST 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 AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.
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 WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.



GRAPHIC SCALE
1000' 0 1000' 2000'

BENCHMARK	NAVD ELEV. (FT)
IWSJ-13	7.23



SURVEY TABULATION

VESSEL	AREA SURVEYED	DATE SURVEYED	STAFF LOCATION	BENCHMARK
WB-34	CUTS SJ-1 THRU SJ-5	08 JUN 2008	HOUSE #245 ROSCOE BLVD.	IWSJ-13

NAVD 1988
2.83 feet
M.L.L.W.

Relationship between NAVD 1988 and 1978 NOAA Mean Lower Low Water Tidal Datum

LEGEND

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

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: IRWJ
Dwn by: IRWJ
Ckd by: IRWJ

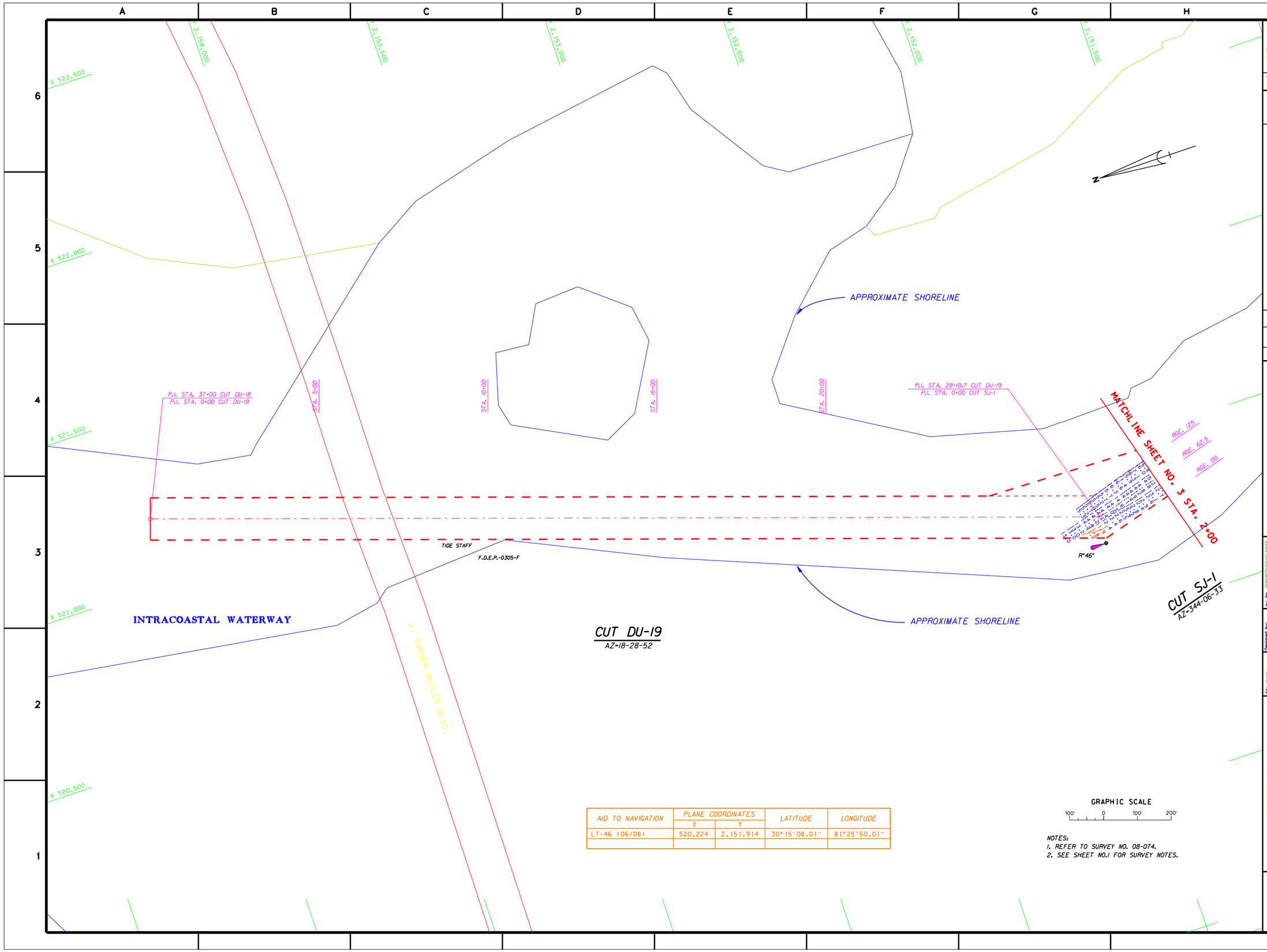
Dated: JUN 2008
D.O.F.ILE NO.

File name: 08-074SH01.DGN
Reference files: BBORGB.DGN LAYOUT.DGN NEWFLMAP.DGN CVRCHL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
COVER, INDEX AND LOCATION SHEET
PLAN

DRAWING NO.
1/12

SHEET 1 OF 21



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-46 (06/08)	520,224	2,151,914	30°15'08.01"	81°25'50.01"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-074.
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. DAC/117-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RMJ
Dwn by: DWB
Ckd by: WRN

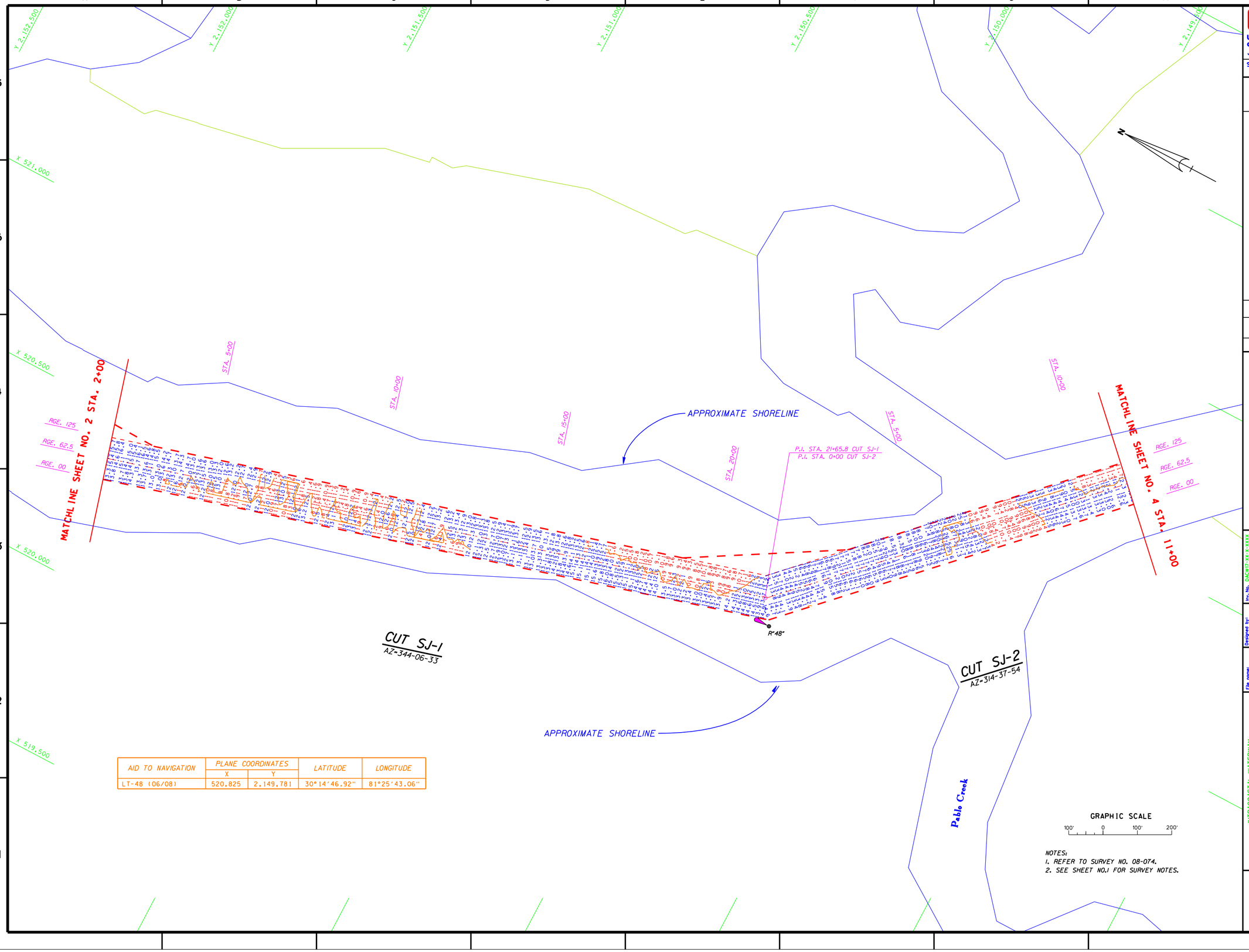
Date: JUN 2008
D.O.F ILE NO.

File name: 08-074SH01.DGN
Reference files: BBDR98.DGN SJ-CH83.DGN SJ_TOPO83.DGN DU_TOPO83.DGN 08-074SH_2LL.DGN 08-074SH_1.DGN CONV2.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 0+00 CUT DU-19 THRU STA. 2+00 CUT SJ-1
PLAN

DRAWING NO.
2/12

SHEET 2 OF 21



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-48 (06/08)	520,825	2,149,781	30°14'46.92"	81°25'43.06"

NOTES:
1. REFER TO SURVEY NO. 08-074.
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
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRU
Dwn by: WRU
Ckd by: WRU

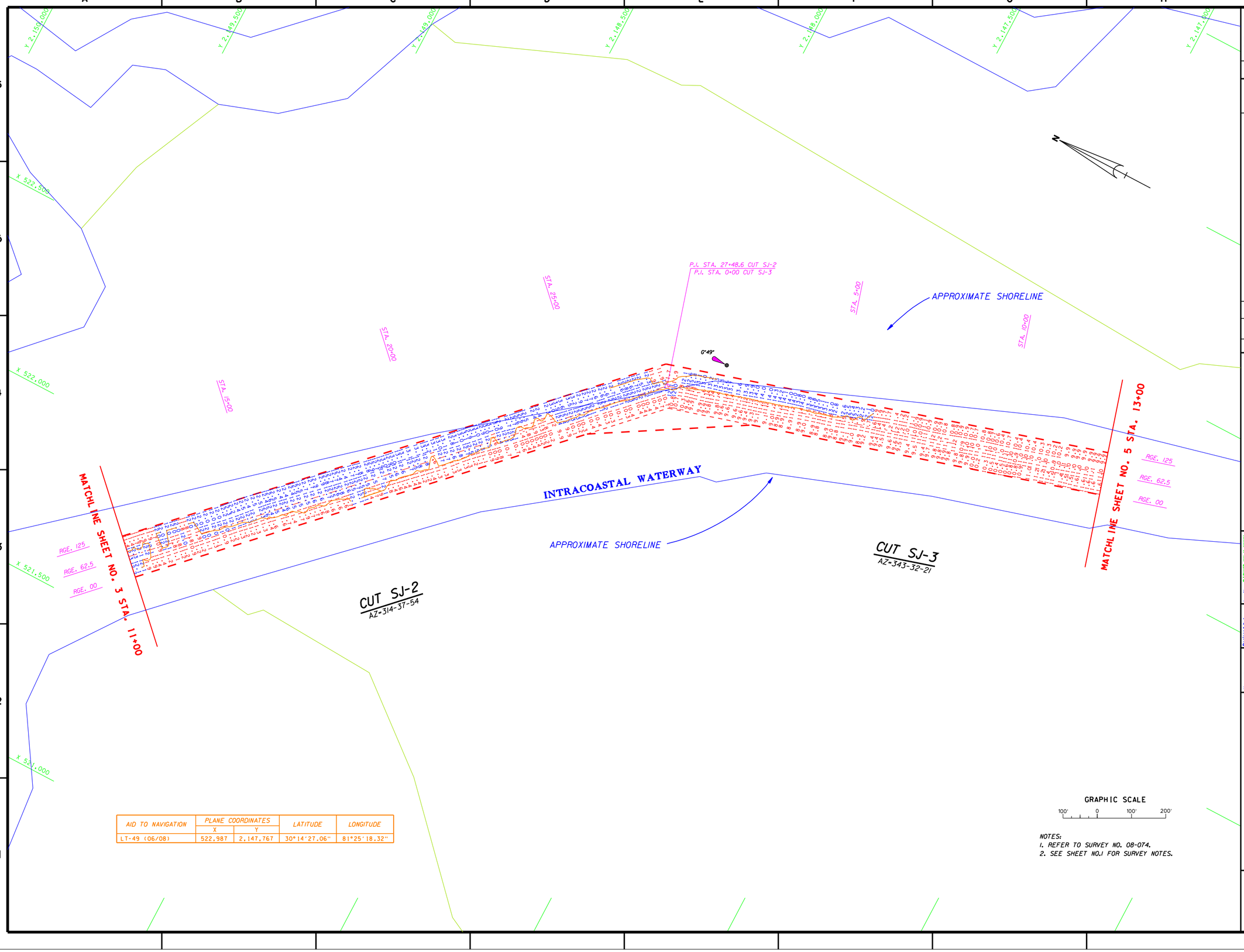
Date: JUN 2008
D.O.F.ILE NO.

File name: 08-074SH03.DGN
Reference files: BR0198.DGN SJ-LH83.DGN SJ-TOP083.DGN DU-TOP083.DGN 08-074CTL-XL.DGN 08-074CTL-XL.DGN 08-074AN.DGN CON12.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 2+00 CUT SJ-1 THRU STA. 11+00 CUT SJ-2
PLAN

DRAWING NO.
3/12

SHEET 3 OF 21



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-49 (06/08)	522,987	2,147,767	30°14'27.06"	81°25'18.32"

NOTES:
1. REFER TO SURVEY NO. 08-074.
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

Prv. No. DAC/417-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RRJ
Dwn by: DWB
Ckd by: WRM

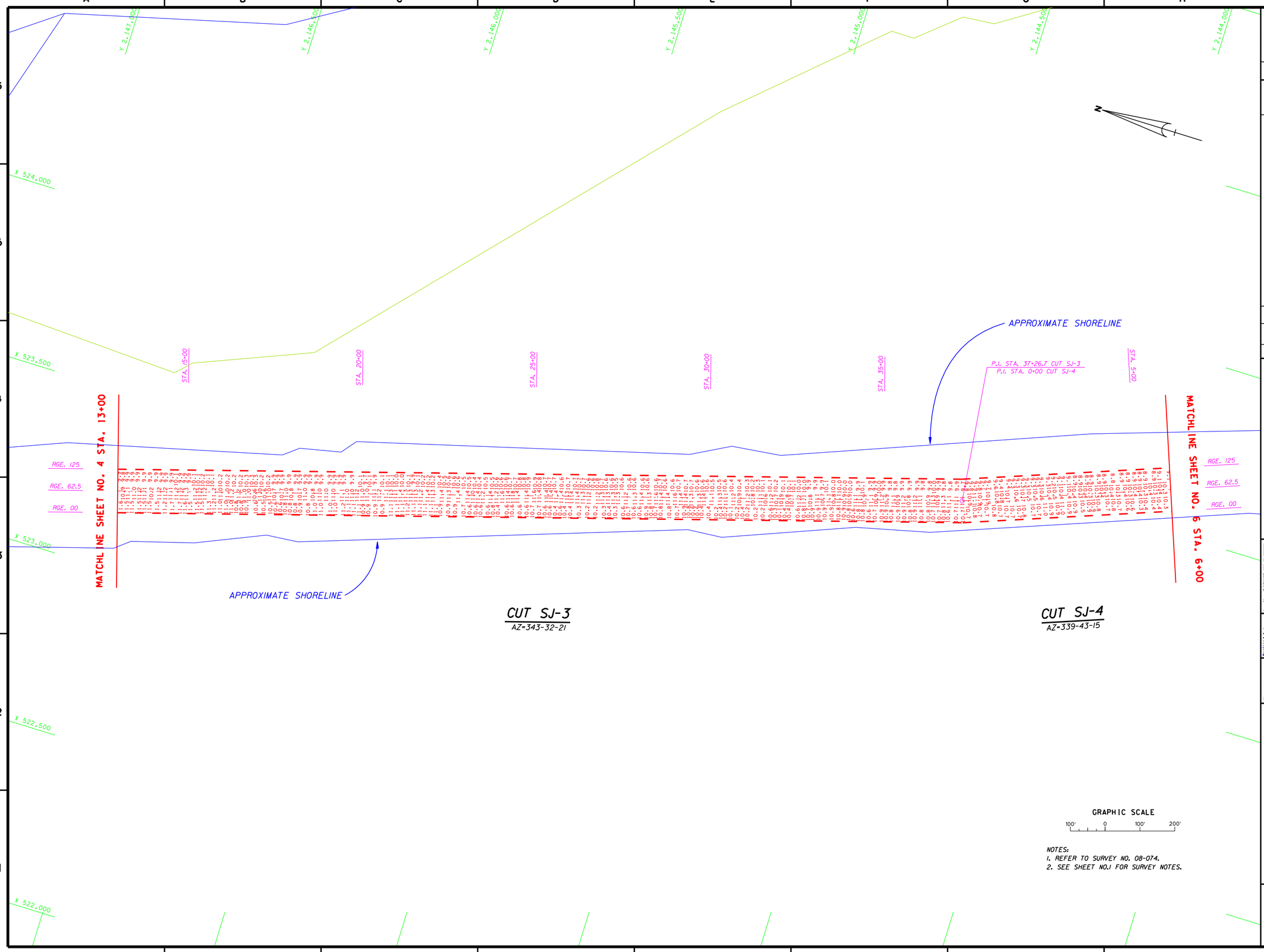
Dated: JUN 2008
D.O.F ILE NO.

File name: 08-074SH04.DGN
Reference files: BBDR98.DGN SJ_CH83.DGN SJ_TOPO83.DGN 08-074S2_2L1.DGN 08-074S2_SJ.DGN CONTZ.DGN 08-074NAV.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 11+00 CUT SJ-2 THRU STA. 13+00 CUT SJ-3
PLAN

DRAWING NO.
4/12

SHEET 4 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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:X

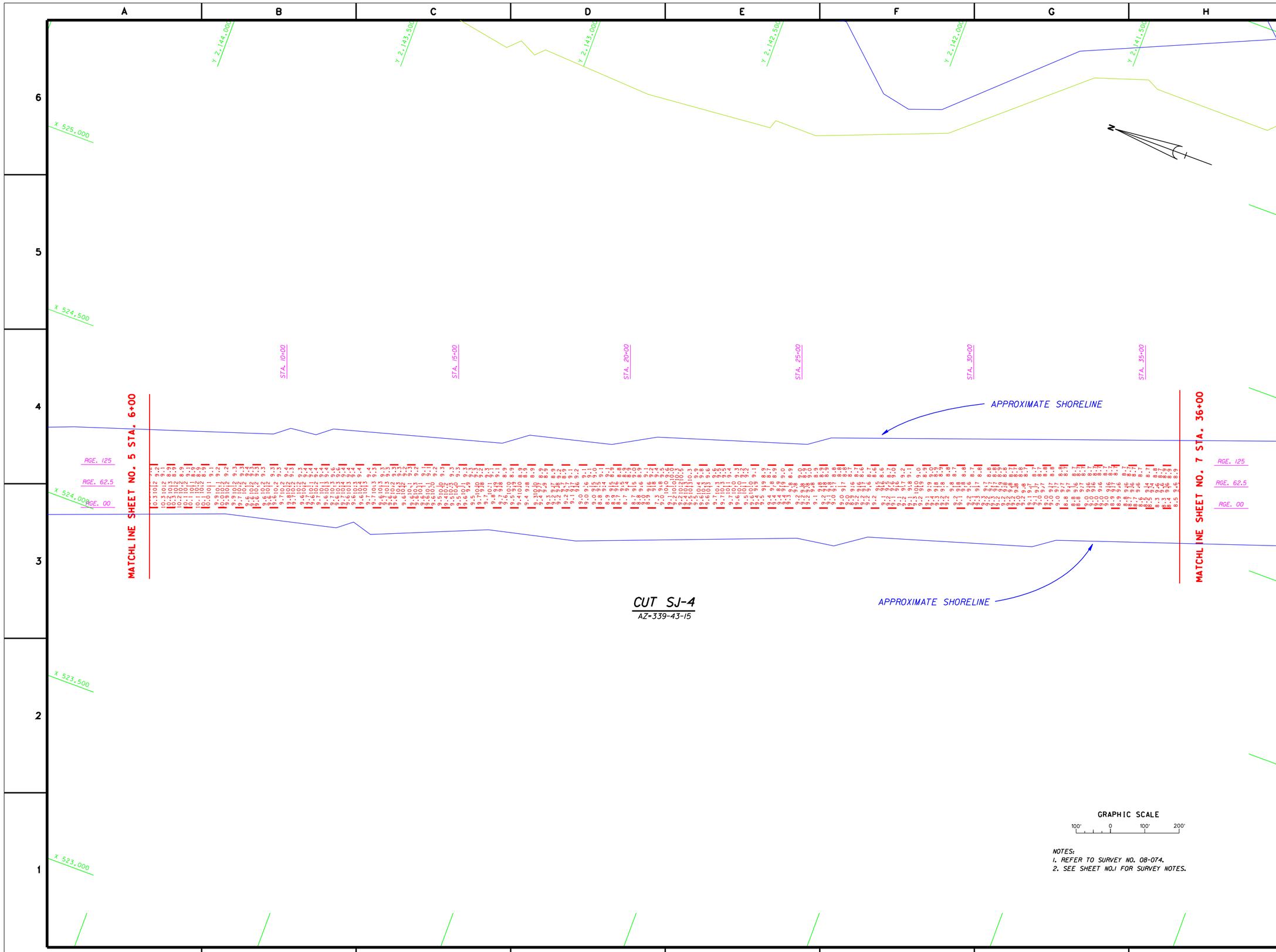
Designed by: WRM
Dwn by: WRM
Ckd by: WRM
Dated: JUN 2008
D.O.FILE NO.

File name: 08-074Sh05.DGN
Reference files: B60968.DGN, SJ_CH83.DGN, SJ_TOP083.DGN, 08-074S3_ALL.DGN, 08-074S4-2JL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 13+00 CUT SJ-3 THRU STA. 6+00 CUT SJ-4
PLAN

DRAWING NO.
5/12

SHEET 5 OF 21



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-074.
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: XXXX

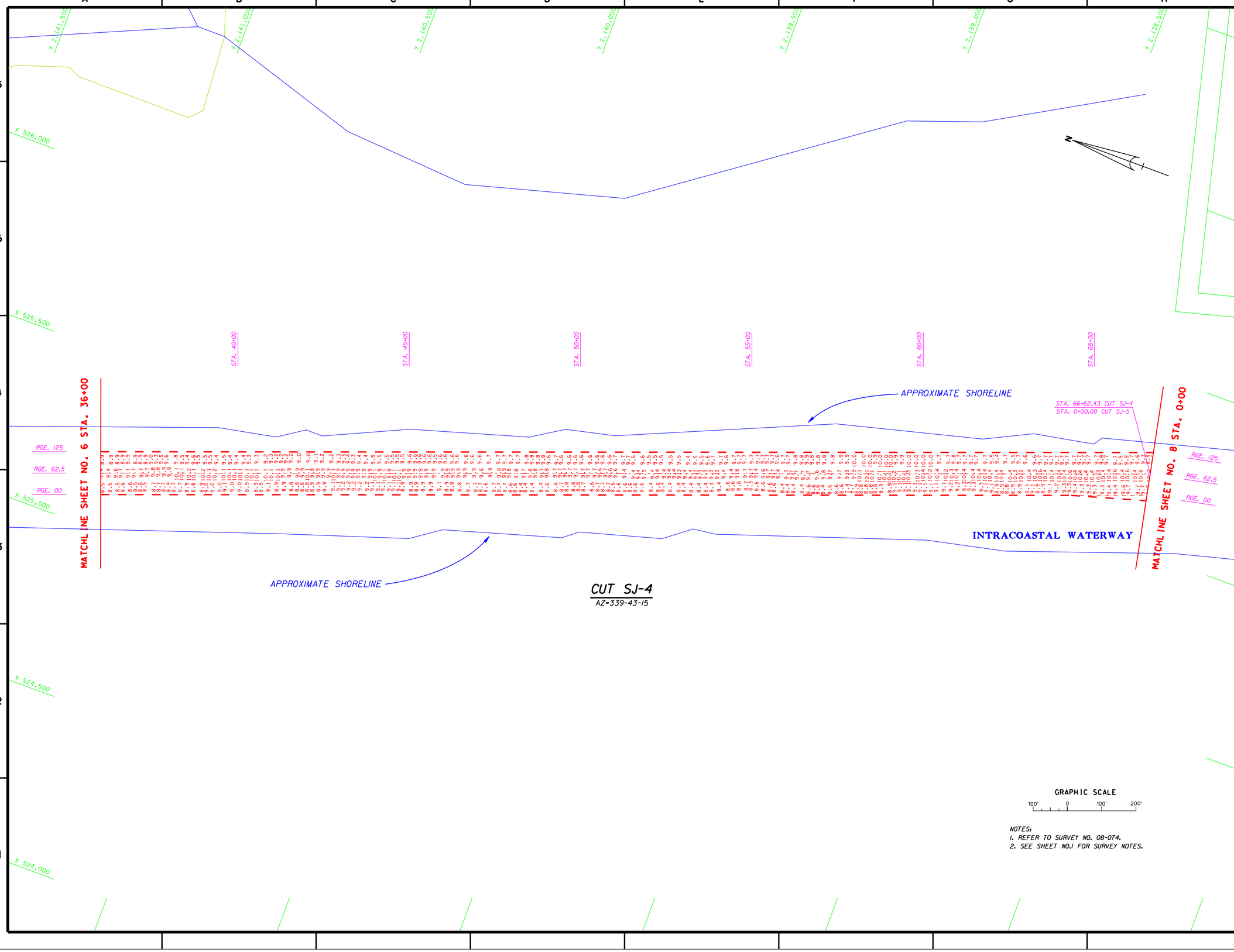
Designed by: WRM
Dwn by: WRM
Ckd by: WRM
Dated: JUN 2008
D.O.FILE NO.

File name: 08-074Sh06.DGN
Reference files: 860968.DGN, SJ_CH83.DGN, SJ_TOP083.DGN, 08-074S4_ILL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 6+00 THRU STA. 36+00 CUT SJ-4
PLAN

DRAWING NO.
6/12

SHEET 6 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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: XXXX

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

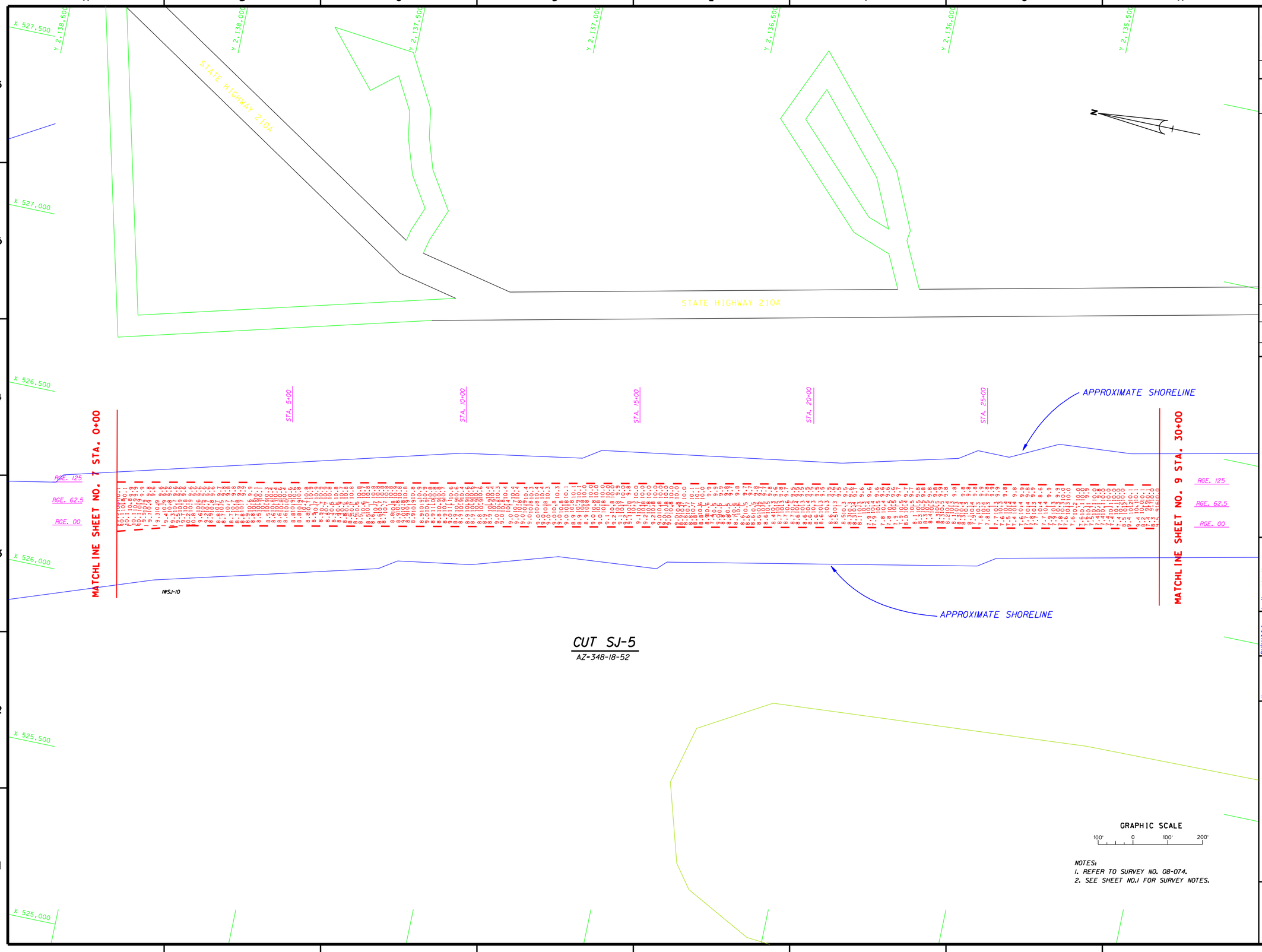
Dated: JUN 2008
D.O. FILE NO.

File name: 08-074Sht07.DGN
Reference files: 86QR98.DGN SJ_CH83.DGN SJ_TOPO83.DGN 08-074S4-XL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 36+00 CUT SJ-4 THRU STA. 0+00 CUT SJ-5
PLAN

DRAWING NO.
7/12

SHEET 7 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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

Rev. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

Designed by: WDM
Dwn by: WDM
Ckd by: WDM

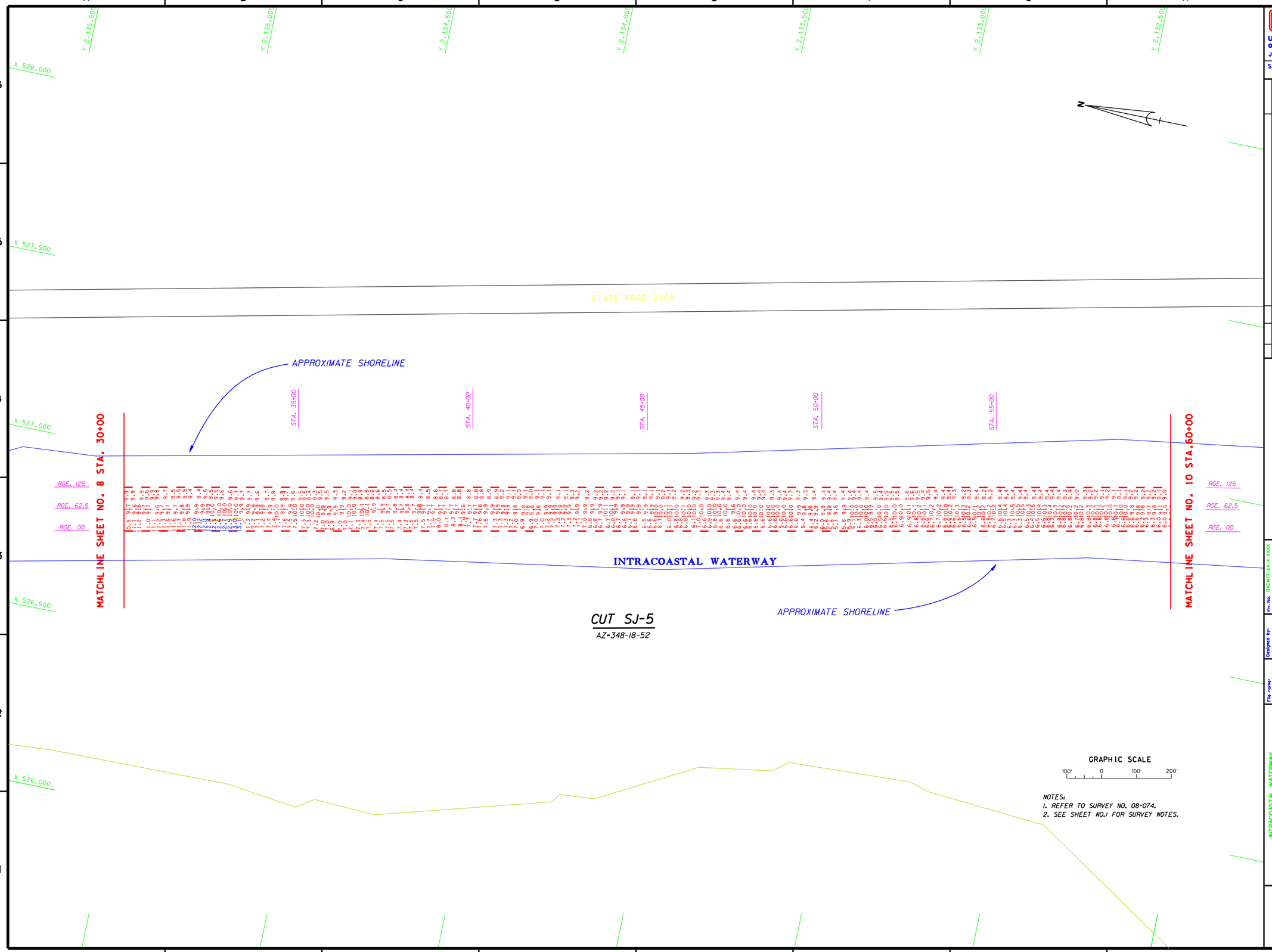
Dated: JUN 2008
D.O.F.ILE NO.

File name: 08-074SH08.DGN
Reference files: B8G098.DGN
SJ_CHS3.DGN
SJ_TOPO83.DGN
08-074S8_JL.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT SJ-5
PLAN

DRAWING NO.
8/12

SHEET 8 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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: WMJ
Dwn by: WMJ
Ckd by: WMJ

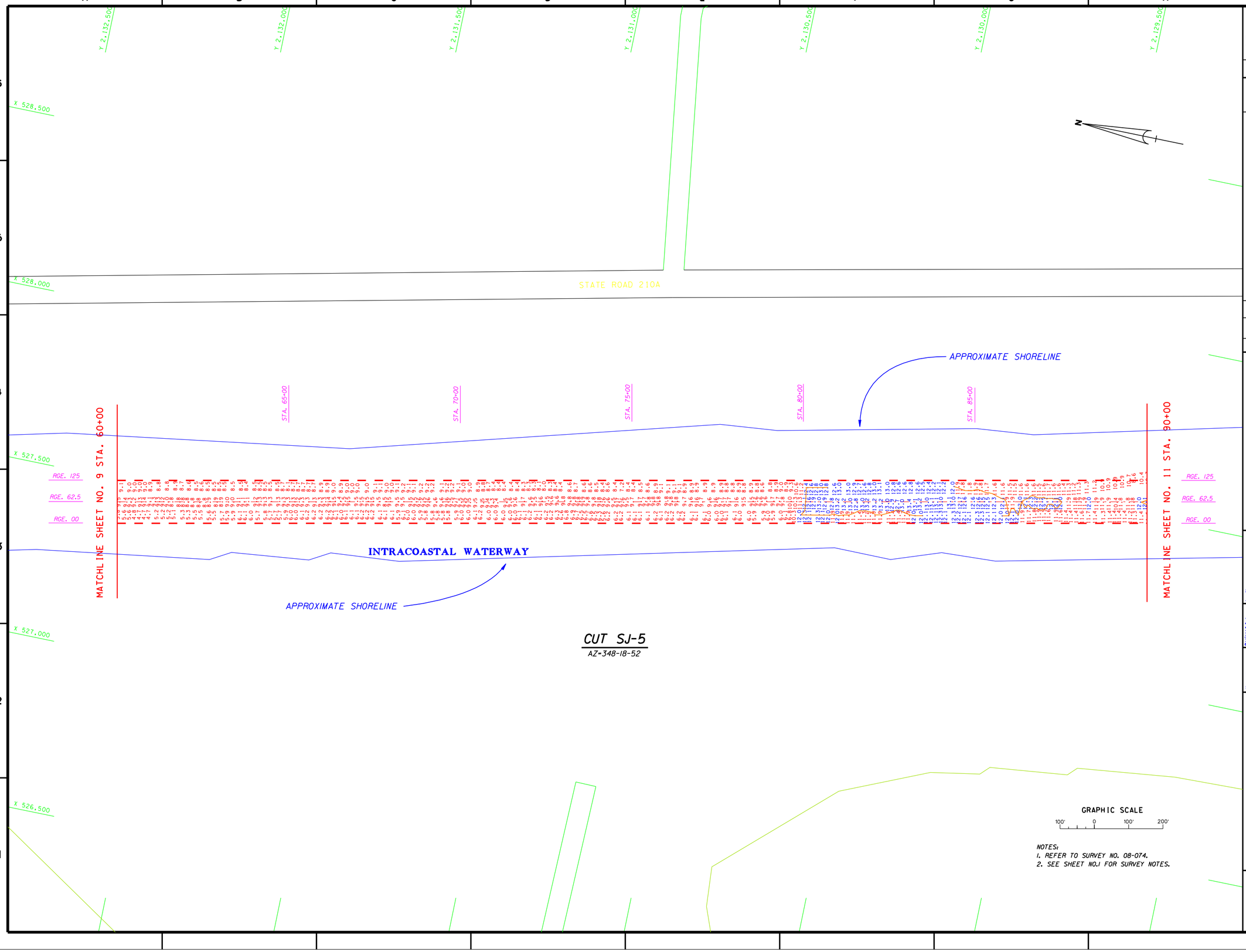
Dated: JUN 2008
D.O. FILE NO.

File name: 08-074SH09.DGN
Reference files: B6098.DGN
SJ_CH83.DGN
SJ_TOPO83.DGN
08-074S-B_LL.DGN
CON12.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 30+00 THRU STA. 60+00 CUT SJ-5
PLAN

DRAWING NO.
9/12

SHEET 9 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

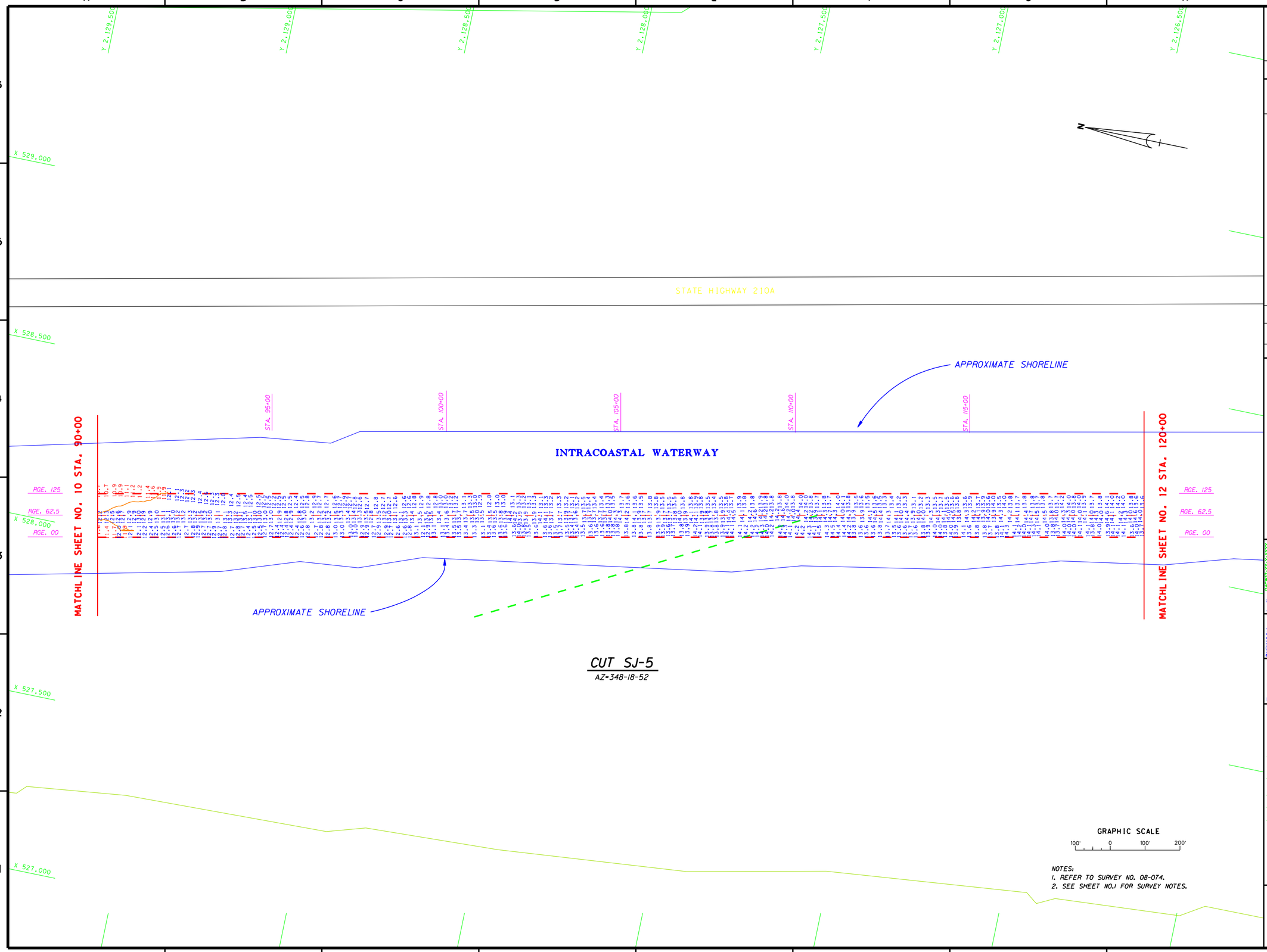
Designed by: WNM
Dwn by: WNM
Ckd by: WNM
Dated: JUN 2008
D.O.FILE NO.

File name: 08-074SH10.DGN
Reference files: BKGRND.DGN, SJ_CHB3.DGN, SJ_TOPOB3.DGN, 08-074SJ5_LL.DGN, CONI2.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 60+00 THRU STA. 90+00 CUT SJ-5
PLAN

DRAWING NO.
10/12

SHEET 10 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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: WHM
Dwn by: WHM
Ckd by: WHM

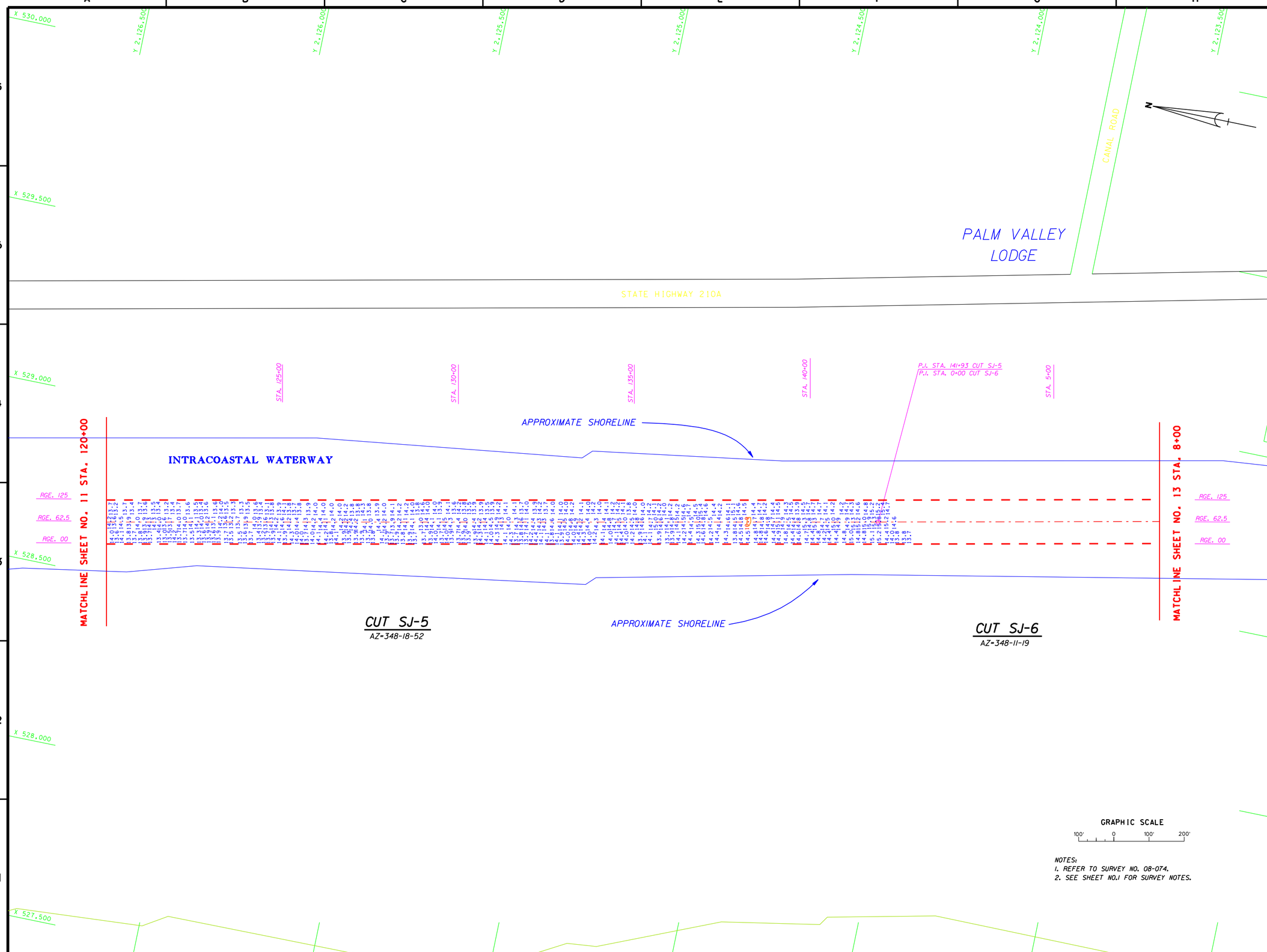
Dated: JUN 2008
D.O.FILE NO.

File name: 08-074SHT1.DGN
Reference files: BRDR98.DGN SJ_CHB3.DGN SJ_TOPO83.DGN 08-074SJ5_LL.DGN CONT2.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 90+00 THRU STA. 120+00 CUT SJ-5
PLAN

DRAWING NO.
11/12

SHEET 11 OF 21



NOTES:
1. REFER TO SURVEY NO. 08-074.
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: XXIX

Designed by: WMJ
Dwn by: WMJ
Ckd by: WMJ
Dated: JUN 2008
D.O. FILE NO.

File name: 08-074SH12.DGN
Reference files: BRDFSB.DGN, SJ_CH83.DGN, SJ_TOPO83.DGN, 08-074SJ5_L1.DGN, CONI2.DGN

INTRACOASTAL WATERWAY
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 120+00 CUT SJ-5 THRU STA. 8+00 CUT SJ-6
PLAN

DRAWING NO.
12/12

SHEET 12 OF 21