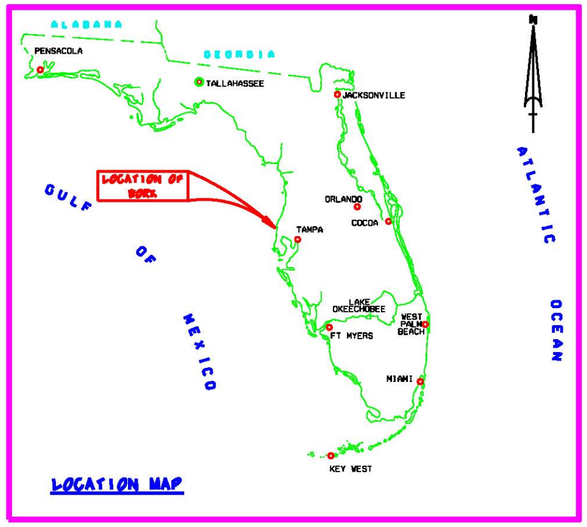
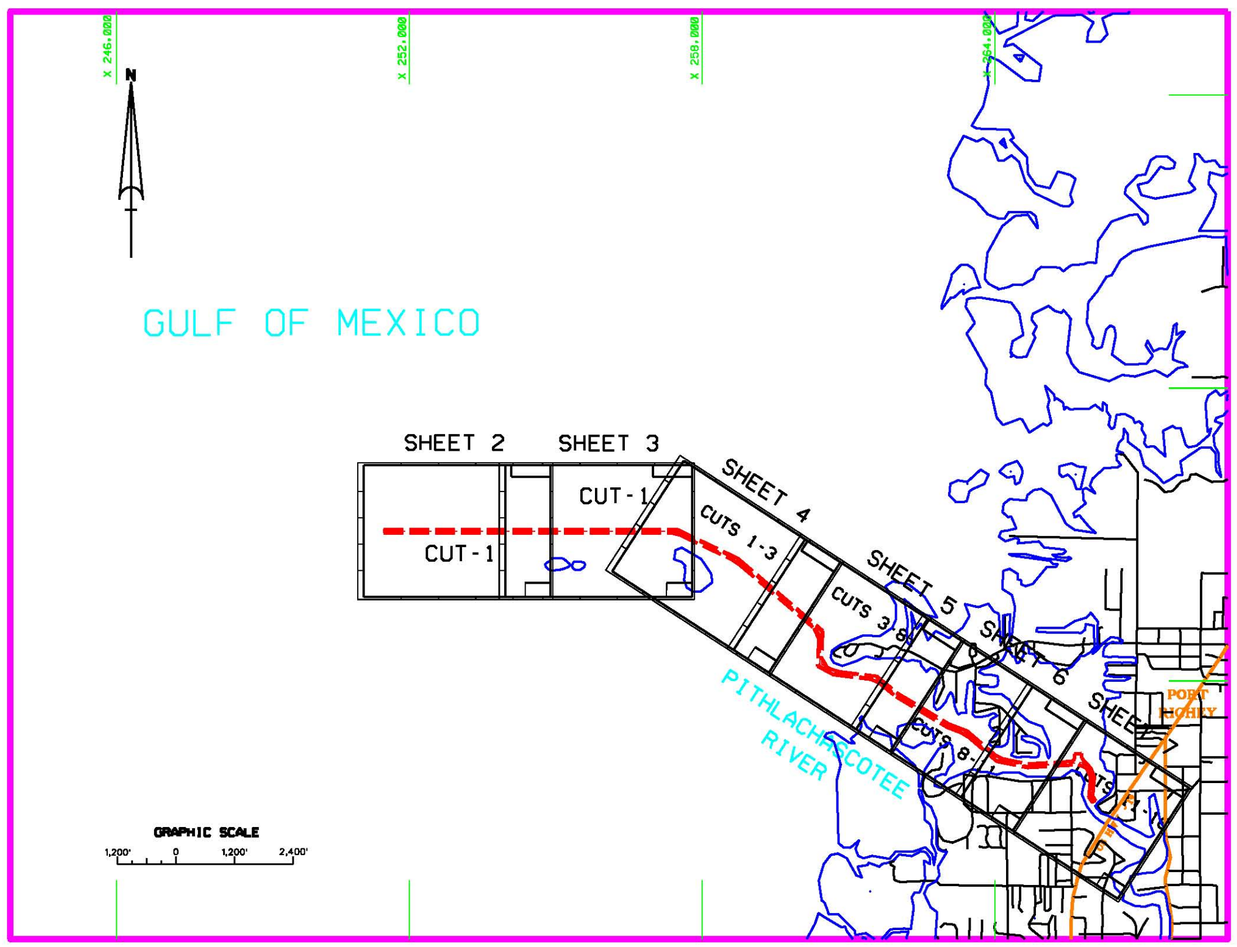
PITHLACHASCOTEE RIVER
PASCO COUNTY, FLORIDA
PROJECT CONDITION SURVEY





SURVEY NOTES:

1. REFER TO SURVEY NO.09-084.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS WITH A KINEMATIC TIDE DATUM MODEL.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA (902) AND REFERENCED TO THE 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. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   "REFERENCE BASE LOCATED AT "7019 D TIDAL"

   LAT: 28°17'07.48130" N
   LON: 082°43'53.49203" W
   ELLIPSOID HEIGHT: -8.896'
   NAVD88 ELEVATION: 2.03'

   "TIDE STAFF ESTABLISHED FROM "7012 F TIDAL"

   LAT: 28°16'08" N
   LON: 082°43'32" W
   NAVD88 ELEVATION: 18.34'
   MLLW ELEVATION: 20.54'

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200KHZ).

VESSEL	DATE OF SURVEY	CUT
WB-34	10-11 JUL 2009	1 THRU 16

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 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

BENCHMARK	NAVD ELEV.(FT)
7019 D TIDAL	2.03
7012 F TIDAL	18.34

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

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.	Revised	Date	Description	Approved

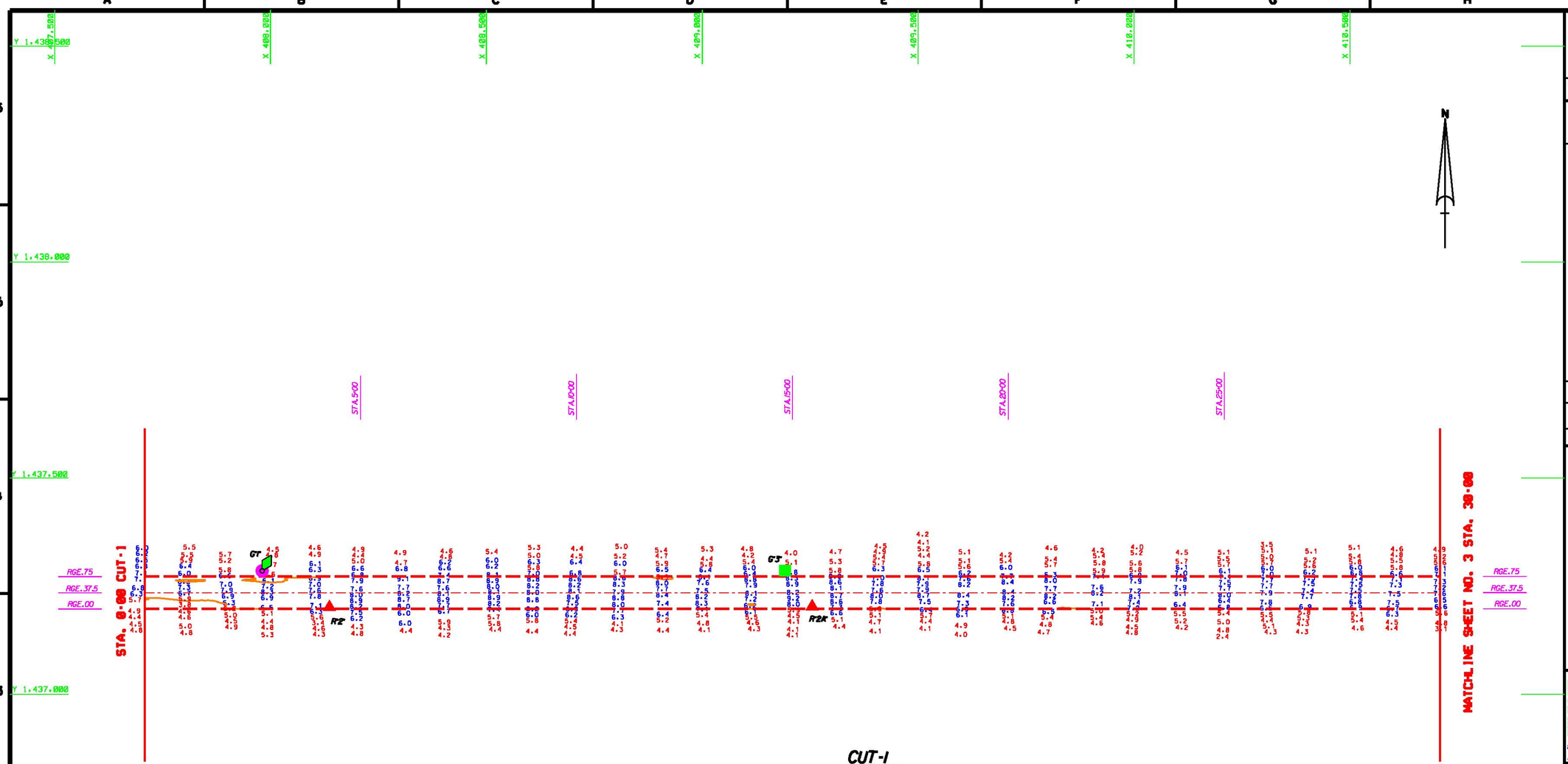
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date: JUL 2009
D.O. FILE NO.

PITHLACHASCOTEE RIVER, FLORIDA
PROJECT CONDITION SURVEY
6-FOOT PROJECT
COVER SHEET & LOCATION PLAN

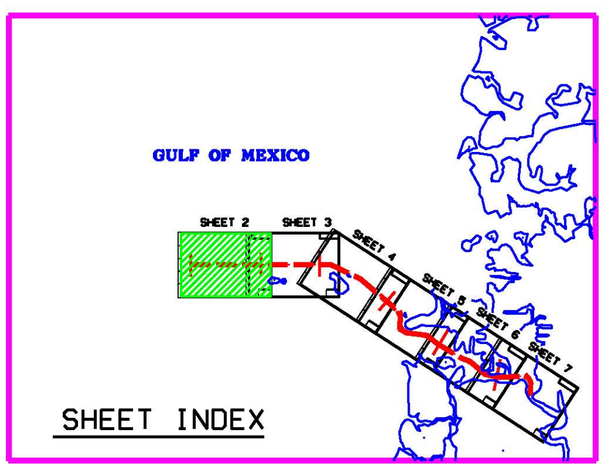
DRAWING NO.
1/7

SHEET 1 OF 7



CUT-1

AZ-270-00-00



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (07/09)	407.980	1,437.284	28°17'07.78"	82°46'16.11"
DBN-2 (07/09)	408.134	1,437.195	28°17'06.83"	82°46'14.39"
DBN-2A (07/09)	409.252	1,437.197	28°17'06.92"	82°46'01.88"
DBN-3 (07/09)	409.189	1,437.280	28°17'07.74"	82°46'02.58"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description	Approved

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

Inv. No. XXXXX-XX-X-XXXX
Date: XX XXXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot time: XXXX

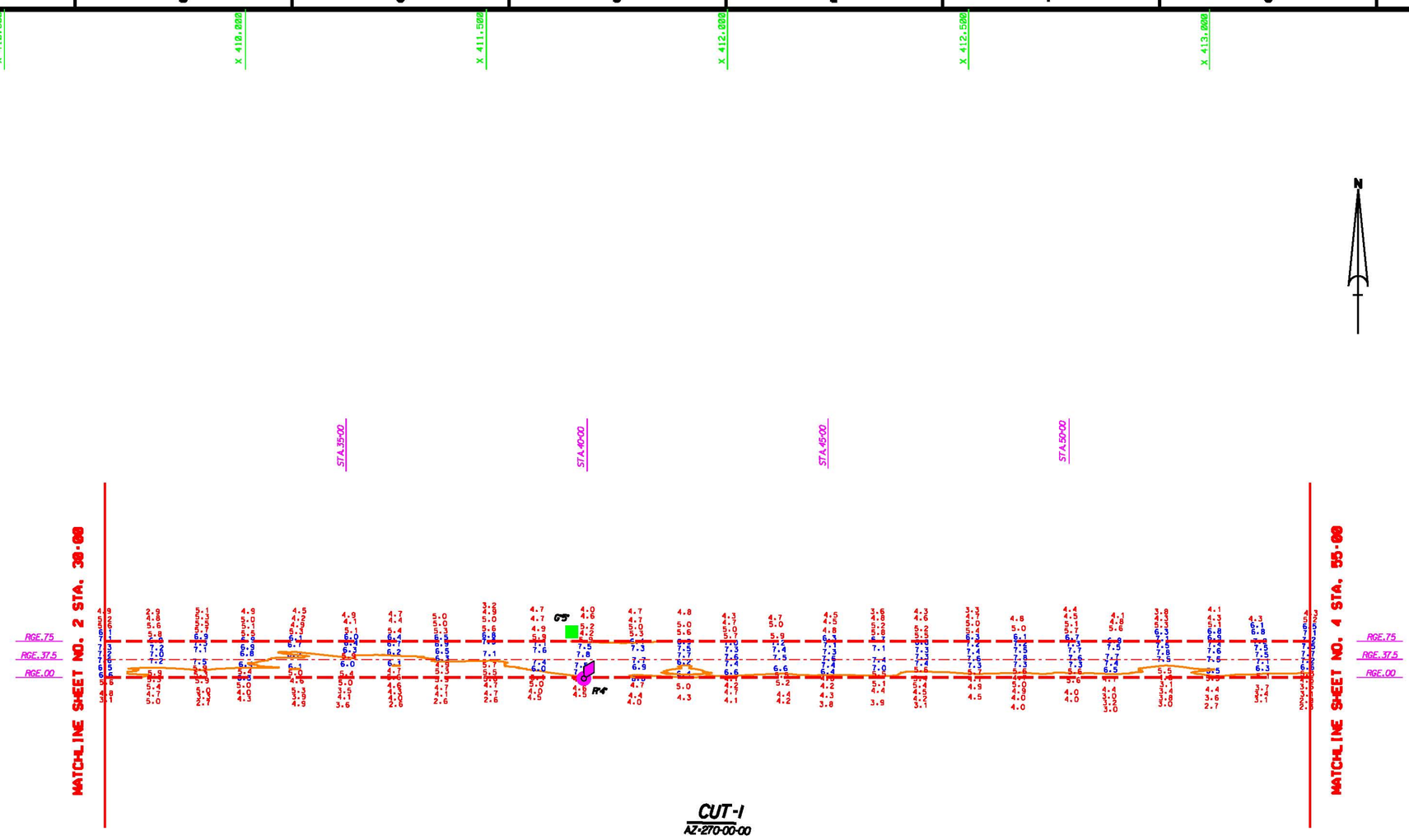
Designed by: JB
Dwn by: DMB
Ckd by: DMB
Date: JUL 2009
D.O.F ILE NO.

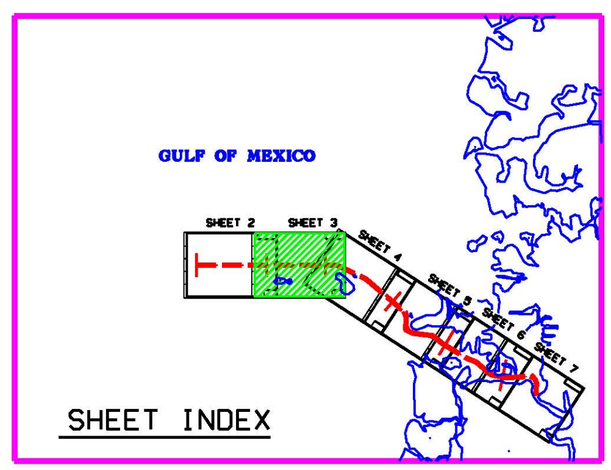
File name: 09-084SH02.DGN
Reference files: 09084SL.DGN 07HCH03.DGN 07HCH13.DGN 09-084SH01.DGN 09-084MAP.DGN

PITHLACHASCOTEE RIVER, FLORIDA
PROJECT CONDITION SURVEY
6-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT-1
PLAN

DRAWING NO.
2/7

SHEET 2 OF 7





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-4 (07/09)	411.702	1,437.287	29°17'07.04"	82°45'34.48"
DBN-5 (07/09)	411.675	1,437.287	29°17'07.96"	82°45'34.79"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description	Approved

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

Dwg. No. XXXXXX-XX-X-XXXX
Date: XX XXXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

Designed by: JB
Dwn by: XXXX
Chk by: XXXX

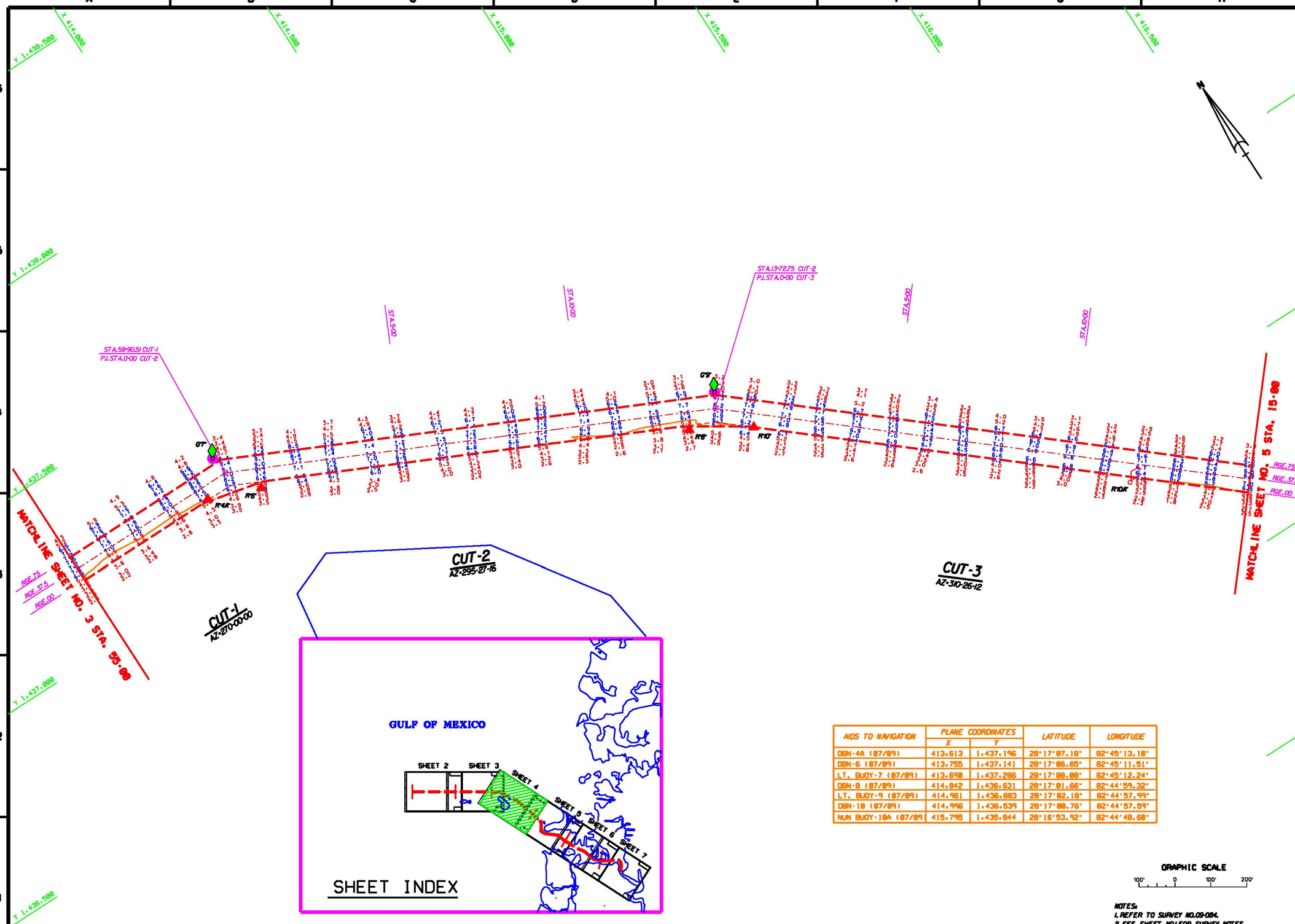
Date: JUL 2009
D.O. FILE NO.

File name: 09-084SHEET.DGN
Reference files: 09-084BASE.DGN
09-084MAP.DGN
09-084SHEET.DGN
PITHACHICOTEE.DGN

PITHLACHASCOTEE RIVER, FLORIDA
PROJECT CONDITION SURVEY
6-FOOT PROJECT
STA. 30+00 THRU STA. 55+00 CUT-1
PLAN

DRAWING NO.
3/7

SHEET 3 OF 7



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4A (07/09)	413,513	1,437,196	28°17'07.18"	82°45'13.18"
DBN-6 (07/09)	413,755	1,437,141	28°17'06.65"	82°45'11.51"
LT. BUOY-7 (07/09)	413,698	1,437,286	28°17'08.08"	82°45'12.24"
DBN-8 (07/09)	414,842	1,436,631	28°17'01.66"	82°44'59.32"
LT. BUOY-9 (07/09)	414,961	1,436,683	28°17'02.18"	82°44'57.99"
DBN-10 (07/09)	414,996	1,436,539	28°17'00.76"	82°44'57.59"
NUN BUOY-10A (07/09)	415,795	1,435,844	28°16'53.92"	82°44'48.68"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description	Approved

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

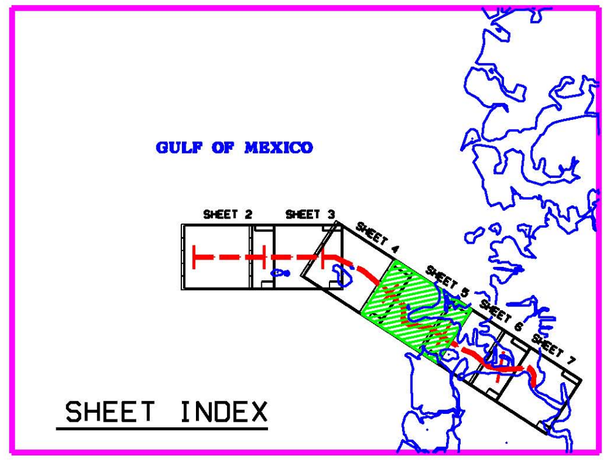
Proj. No. XXXXXX-XX-XXXX
Design XX XXXX XXXX
Scale AS SHOWN
Proj. datum NA or NAVD
Proj. units XXXX

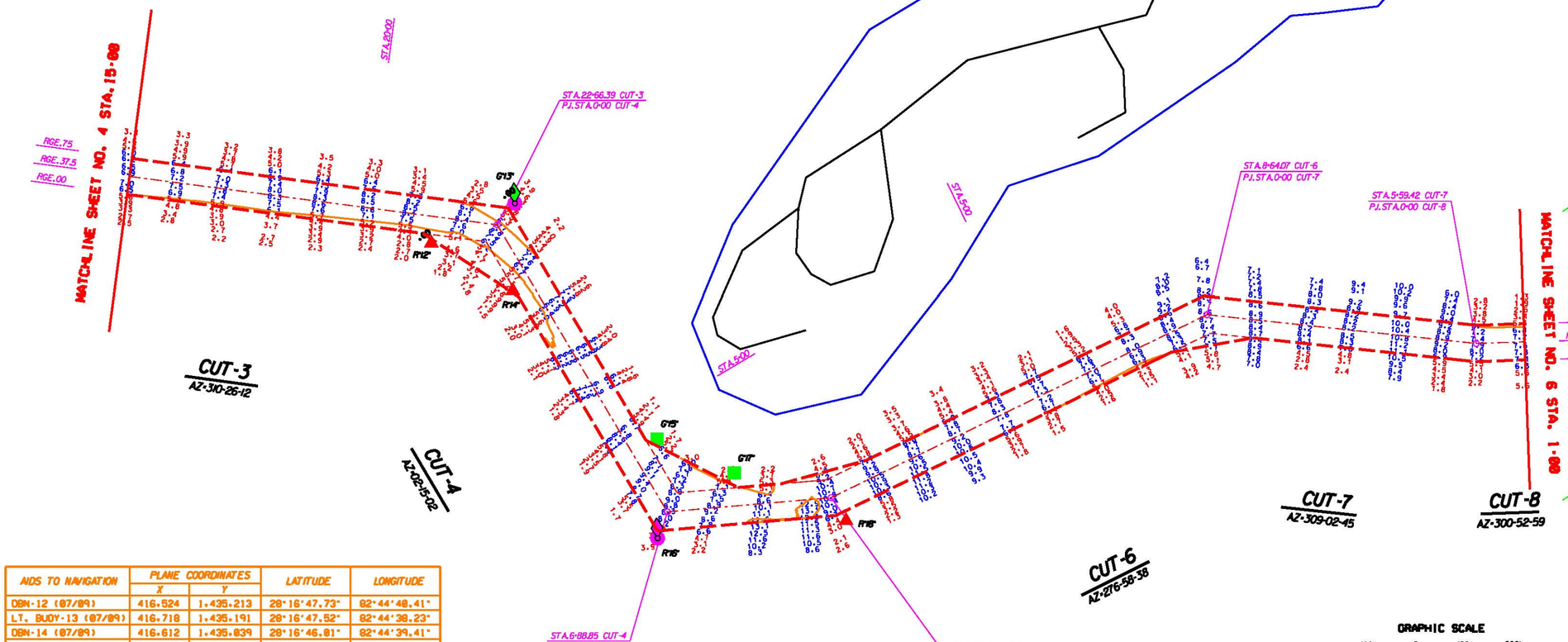
Designed by XX
Dwn by Chkd by
Date XX.XX.2009
D.O.F.ILE NO.

File name 09-084-01.DGN
Reference files 09-084-00.DGN 09-084-02.DGN 09-084-03.DGN PITHLACHASCOTEE.DGN

PITHLACHASCOTEE RIVER, FLORIDA
PROJECT CONDITION SURVEY
6-FOOT PROJECT
STA.55+00 CUT-1 THRU STA.15+00 CUT-3
PLAN

DRAWING NO.
4/7
SHEET 4 OF 7





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-12 (07/09)	416,524	1,435,213	28°16'47.73"	82°44'40.41"
LT. BUOY-13 (07/09)	416,718	1,435,191	28°16'47.52"	82°44'38.23"
DBN-14 (07/09)	416,612	1,435,039	28°16'46.01"	82°44'39.41"
DBN-15 (07/09)	416,697	1,434,621	28°16'41.87"	82°44'38.43"
LT. BUOY-16 (07/09)	416,598	1,434,458	28°16'40.18"	82°44'39.62"
DBN-17 (07/09)	416,792	1,434,475	28°16'40.44"	82°44'37.35"
DBN-18 (07/09)	416,932	1,434,266	28°16'38.38"	82°44'35.78"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Date	Description	Approved

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

Designed by JB
Drn by JB
Chkd by
Date JUL 2009
D.O.F.ILE NO.

File name 09-084SHEET.DGN
Reference files 09-084BASE.DGN 09-084CONTOUR.DGN 09-084SURVEY.DGN PRINCETON.DGN CONTOUR.DGN

PITHLACHASCOTEE RIVER, FLORIDA

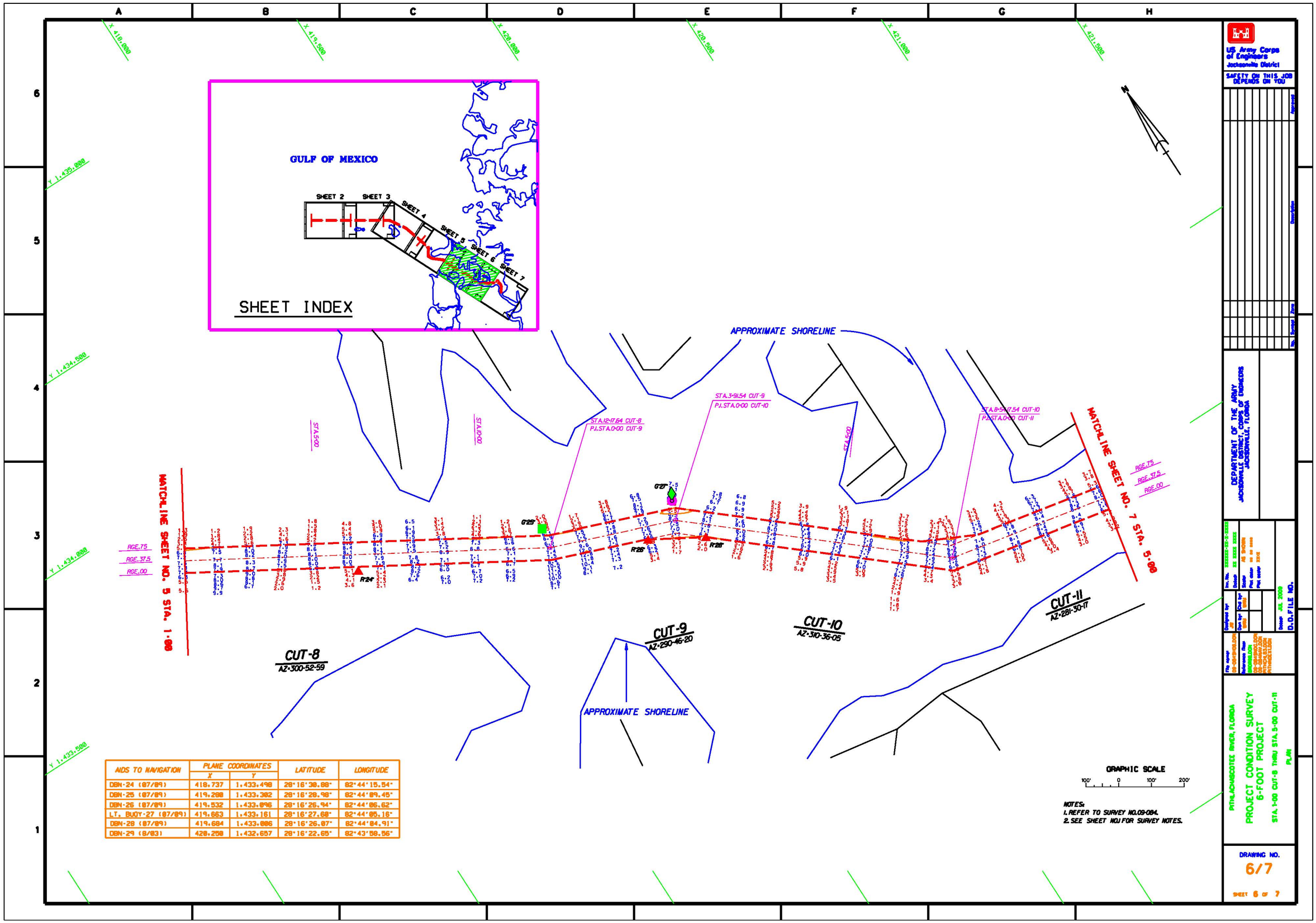
PROJECT CONDITION SURVEY
6-FOOT PROJECT

STA. 15+00 CUT-3 THRU STA. 1+00 CUT-7

PLAN

DRAWING NO.
5/7

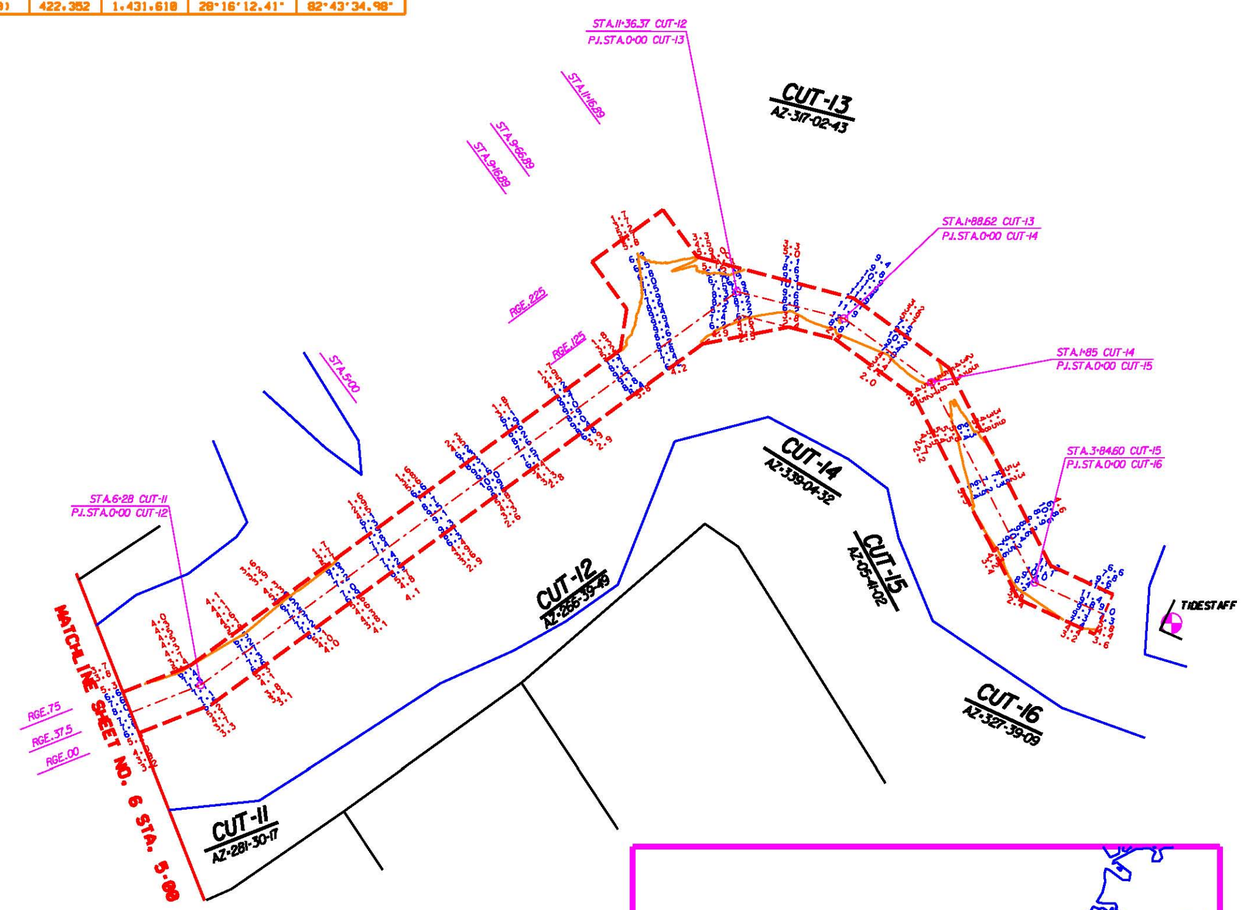
SHEET 5 OF 7

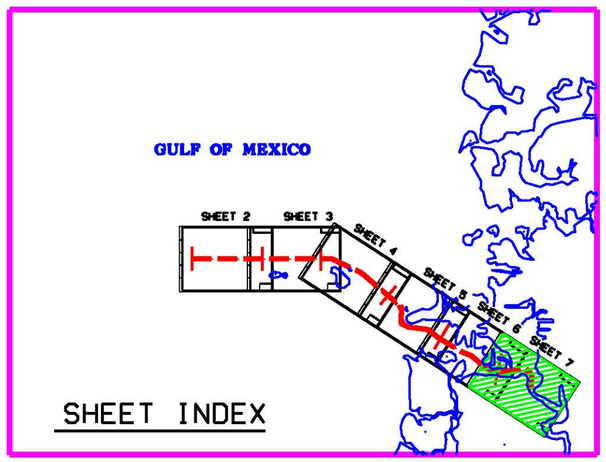


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-24 (07/09)	418.737	1,433.498	28°16'30.88"	82°44'15.54"
DBN-25 (07/09)	419.288	1,433.302	28°16'28.98"	82°44'09.45"
DBN-26 (07/09)	419.532	1,433.096	28°16'26.94"	82°44'06.62"
LT. BUOY-27 (07/09)	419.663	1,433.161	28°16'27.68"	82°44'05.16"
DBN-28 (07/09)	419.684	1,433.086	28°16'26.07"	82°44'04.91"
DBN-29 (8/03)	420.258	1,432.657	28°16'22.65"	82°43'58.56"

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
TIDESTAFF (87/09)	422,352	1,431,618	28°16'12.41"	82°43'34.98"





GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.09-084.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description	Approved

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

Dwg. No. XXXXXX-XX-X-XXXX
Date: XX XXXX XXXX
Scale: AS SHOWN
Pre Const XX XX XXXX
Pst Const XXX

Designed by: JB
Dwn by: BRD
Chd by: BRD

Date: JUL 2009
D.O. FILE NO.

File name: CB-09-09-07.DGN
Reference Files: BASEMAP.DGN
CB-09-09-07.DGN
PITHLACHASCOTTE 6FT.DGN
PITHLACHASCOTTE 6FT.DGN
CONTOUR.DGN

PITHLACHASCOTTE RIVER, FLORIDA

PROJECT CONDITION SURVEY
6-FOOT PROJECT

STA. 5+00 CUT-11 THRU STA. 1+30 CUT-16

PLAN

DRAWING NO.
7/7

SHEET 7 OF 7