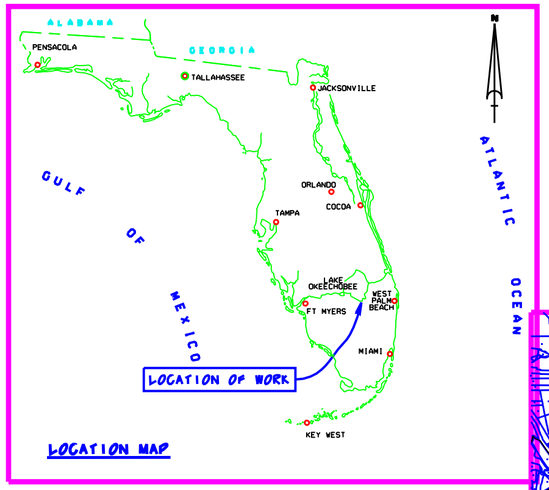
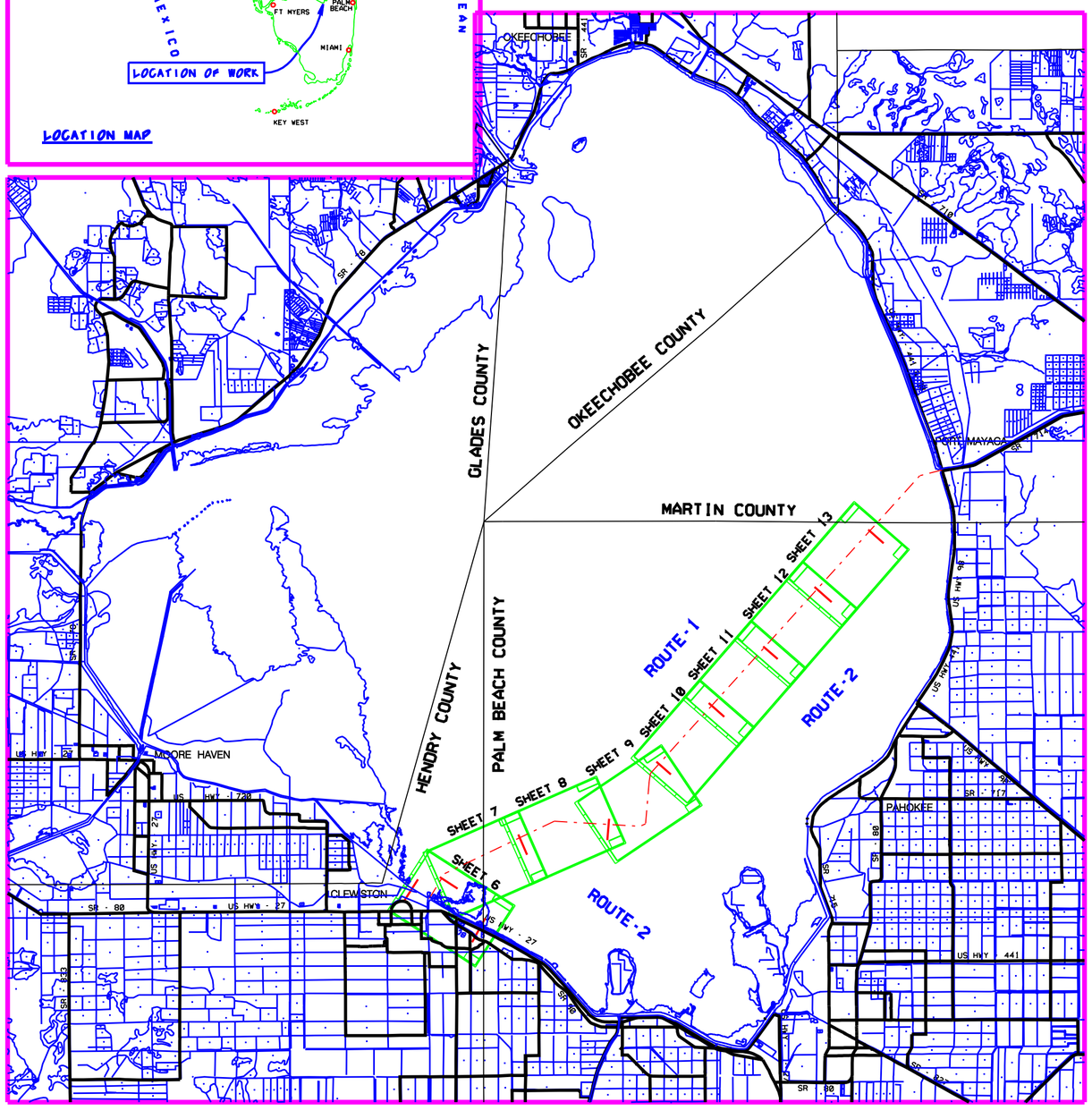
OKEECHOBEE WATERWAY
LAKE OKEECHOBEE ROUTE-1
PROJECT CONDITION SURVEY



LOCATION MAP



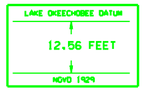
SURVEY NOTES:

1. REFER TO SURVEY NO. 07-048.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO LAKE OKEECHOBEE DATUM WHICH IS 12.56 FEET ABOVE NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A DOLPHIN ON THE NORTH SIDE. WEST ENTRANCE TO PORT MAYACA LOCK AND REFERENCED FROM BENCHMARK 'FCE-3838' AND FROM A STAFF SET ON DBN-20 AND REFERENCED FROM BENCHMARK 'FCE-2985'.
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. 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	AREA
WB-34	14-15 MAR 2007	ROUTE 1

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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.
10. 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.

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



RELATIONSHIP BETWEEN NGVD 1929 AND LAKE OKEECHOBEE DATUM

GRAPHIC SCALE
10,000' 0 10,000' 20,000'

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

Rev. No. | Description | Approved

Designed by: WHJ
Drawn by: WHJ
Checked by:
Quality Check by:
Date: MAR 2007
D.O.FILE NO. XXX-XX-XXX
Rev. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
File name: 06-07SHOLOCH
Reference files: 0605SBB.DGN, NEWFLMAP.DGN, TOPO.DGN, LAYOUT.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
6 & 8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
1/10
SHEET 1 OF XXX

A B C D E F G H

6 5 4 3 2 1

X 527,500 X 530,000 X 532,500 X 535,000 X 537,500 X 540,000

Y 890,000 Y 887,500 Y 885,000 Y 882,500

MATCH LINE - SHEET 7

CROSS LAKE CHANNEL ROUTE - 1

R-14 G-13 R-16 G-15 R-18 G-17 R-20 G-19

MATCH LINE - SHEET 15

RIM CANAL ROUTE - 2

PALM BEACH COUNTY
HENDRY COUNTY

MOORING DOLPHINS

CLEWISTON LOCK

HURRICANE GATE "2"

MATCH LINE - SHEET 5

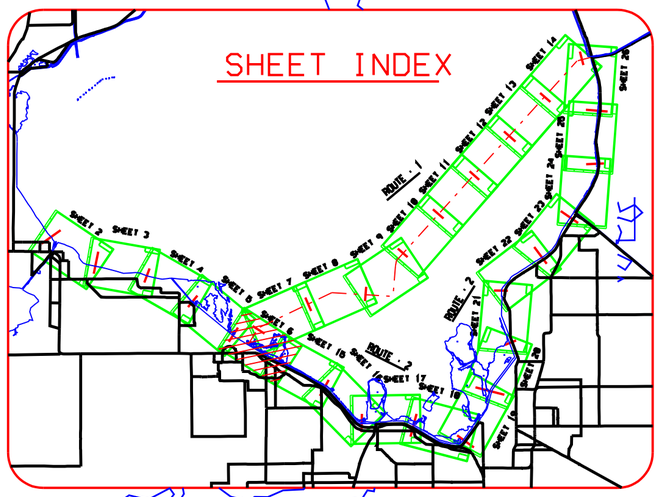
SOUTH FLORIDA
OPERATIONS OFFICE

US HWY - 27

SR - 80

CLEWISTON

SHEET INDEX



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-13 (03/07)	529.327	886.228	26°46'18.83"	80°54'36.41"
DBN-14 (03/07)	529.198	886.232	26°46'18.87"	80°54'37.84"
DBN-15 (03/07)	528.667	885.186	26°46'08.51"	80°54'43.70"
DBN-16 (03/07)	528.560	885.175	26°46'08.41"	80°54'44.88"
DBN-17 (03/07)	527.605	883.384	26°45'50.67"	80°54'55.43"
DBN-18 (03/07)	527.601	883.581	26°45'52.62"	80°54'55.48"
DBN-20 (03/07)	526.821	882.315	26°45'40.09"	80°55'04.09"
DBN-19 (03/07)	526.928	882.264	26°45'39.58"	80°55'02.91"

GRAPHIC SCALE
500' 0 500' 1000'

NOTES:
1. REFER TO SURVEY NO. 07-048.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved | Description | No. | Symbol | Date

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

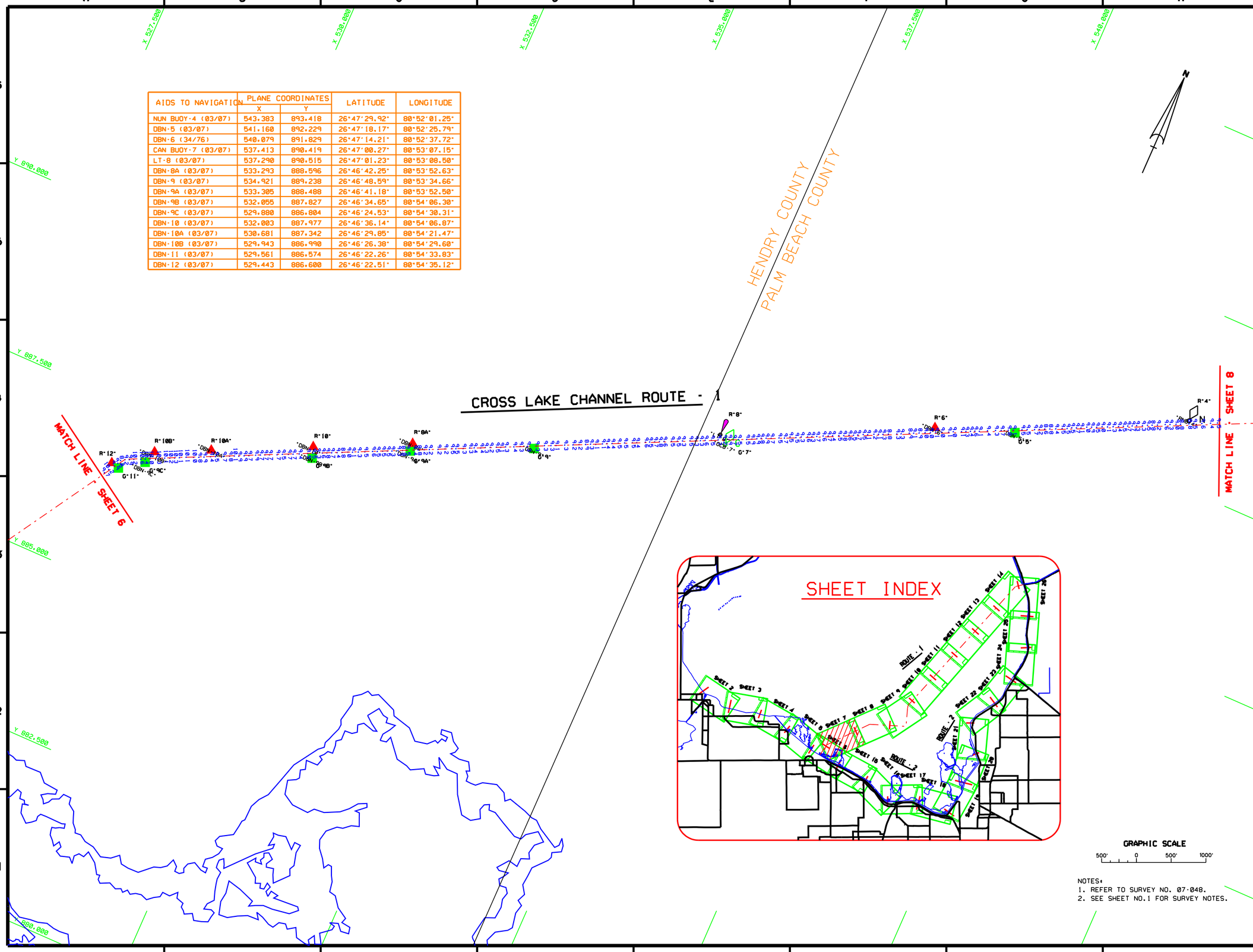
Inv. No. 04CW17-XX-X-XXXX
Design: XX XXX XXXX
Scale: AS SHOWN
Proj date: XX XX XXXX
Proj scale: XXX
Designed by: MMJ
Drawn by: CMW
Quality by: CMW
Dates: MAR 2007
D.O.FILE NO. XXX-XX-XX,XXX

File name: 07-048SHT08.DGN
Reference files: BSOP00.DGN, TOPO.DGN, INDEX1.DGN, 07-048MAP.DGN, 07-048RTE16.DGN

CREECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1&
RIM CANAL ROUTE-2
PLAN

DRAWING NO.
2/10
SHEET 6 OF XXX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-4 (03/07)	543.383	893.418	26°47'29.92"	80°52'01.25"
DBN-5 (03/07)	541.160	892.229	26°47'18.17"	80°52'25.79"
DBN-6 (34/76)	540.079	891.829	26°47'14.21"	80°52'37.72"
CAN BUOY-7 (03/07)	537.413	890.419	26°47'00.27"	80°53'07.15"
LT-8 (03/07)	537.290	890.515	26°47'01.23"	80°53'08.50"
DBN-8A (03/07)	533.293	888.596	26°46'42.25"	80°53'52.63"
DBN-9 (03/07)	534.921	889.238	26°46'48.59"	80°53'34.66"
DBN-9A (03/07)	533.305	888.488	26°46'41.18"	80°53'52.50"
DBN-9B (03/07)	532.055	887.827	26°46'34.65"	80°54'06.30"
DBN-9C (03/07)	529.880	886.804	26°46'24.53"	80°54'30.31"
DBN-10 (03/07)	532.003	887.977	26°46'36.14"	80°54'06.87"
DBN-10A (03/07)	530.681	887.342	26°46'29.85"	80°54'21.47"
DBN-10B (03/07)	529.943	886.990	26°46'26.38"	80°54'29.60"
DBN-11 (03/07)	529.561	886.574	26°46'22.26"	80°54'33.83"
DBN-12 (03/07)	529.443	886.600	26°46'22.51"	80°54'35.12"



NOTES:
1. REFER TO SURVEY NO. 07-048.
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

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

Designed by: WRW
Dwn by: WRW
Ckd by: WRW

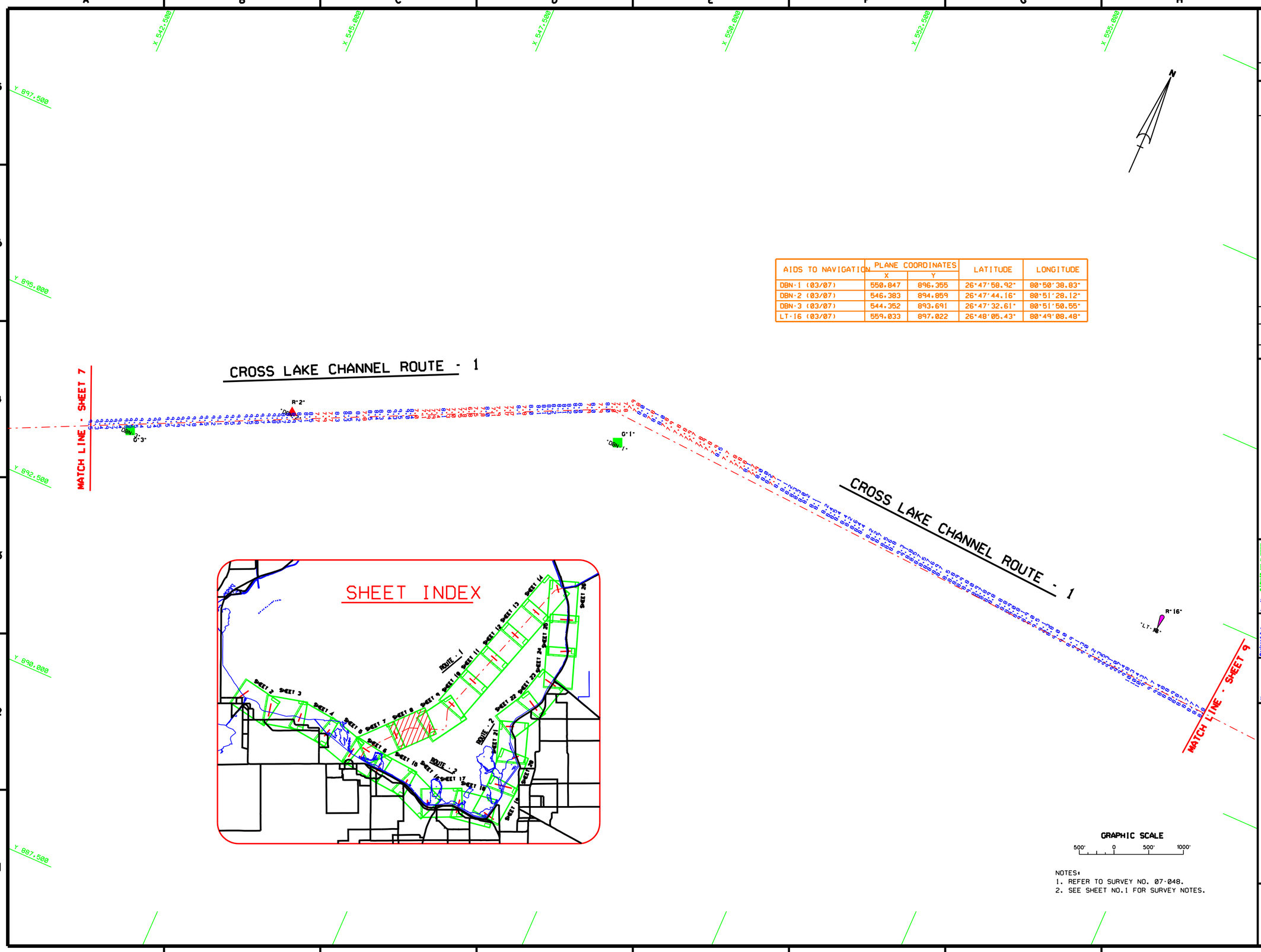
Dated: MAR 2007
D.O.FILE NO. XXX-XX.XXX

File name: 07-048SHD7.DGN
Reference files: BRDR98.DGN TOPO.DGN INDEX.DGN 07-048RT1-6C.DGN 07-048RT1-6C.DGN 07-048NAV.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
3/10

SHEET 7 OF XXX



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (03/07)	550.847	896.355	26°47'58.92"	80°50'38.83"
DBN-2 (03/07)	546.383	894.859	26°47'44.16"	80°51'28.12"
DBN-3 (03/07)	544.352	893.691	26°47'32.61"	80°51'50.55"
LT-16 (03/07)	559.033	897.022	26°48'05.43"	80°49'08.48"

NOTES:
1. REFER TO SURVEY NO. 07-048.
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: WRM
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

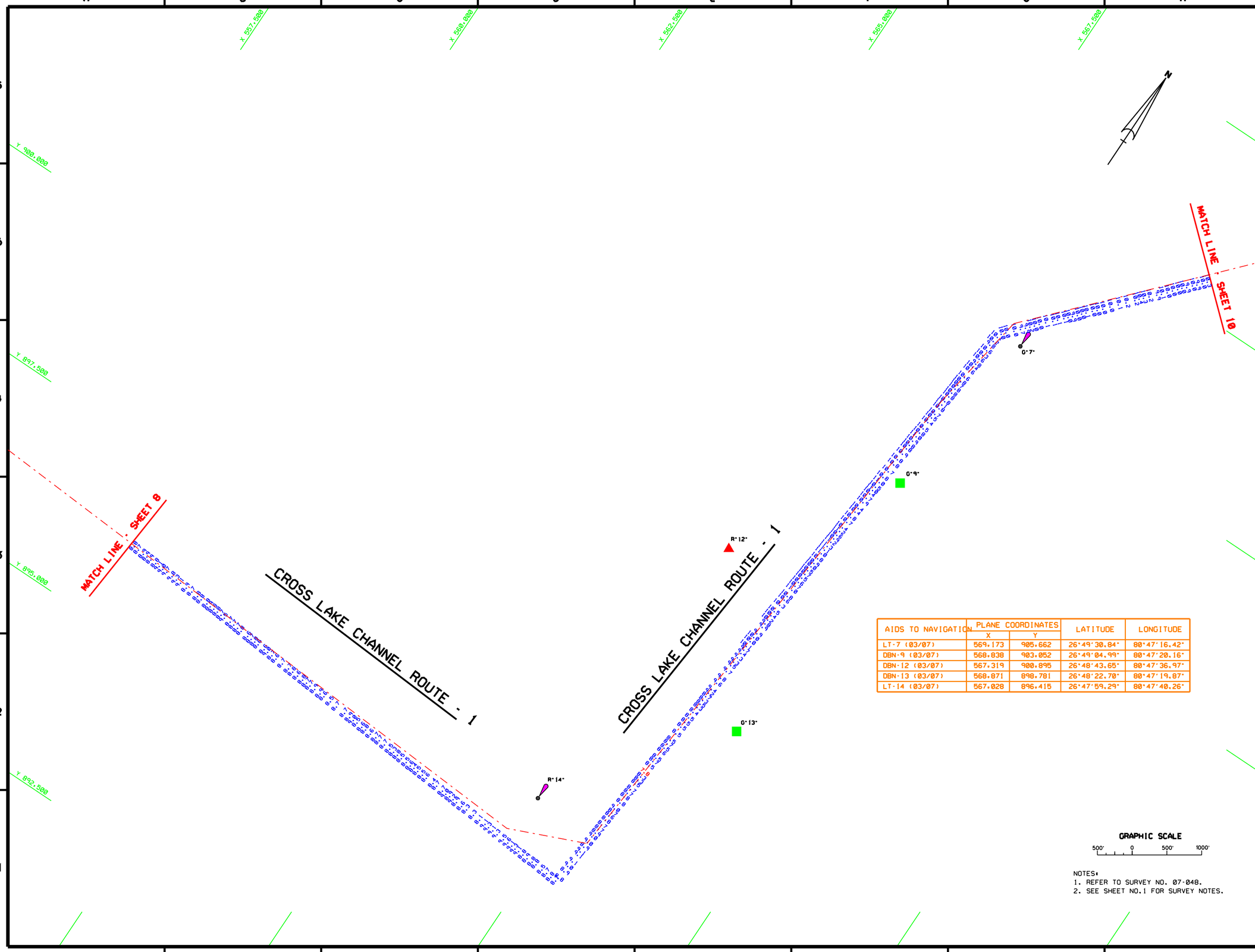
File name: 07-048SHOB.DGN
Reference files: BRDR98.DGN TOPO.DGN INDEX.DGN 07-048NAV.DGN 07-048RT1-4_C.DGN 07-048RT1-5_C.DGN

Dated: MAR 2007
D.O. FILE NO. XXX-XX.XXX

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
4/10

SHEET 8 OF XXX



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-7 (03/07)	569.173	905.662	26°49'30.84"	80°47'16.42"
DBN-9 (03/07)	568.838	903.052	26°49'04.99"	80°47'20.16"
DBN-12 (03/07)	567.319	900.895	26°48'43.65"	80°47'36.97"
DBN-13 (03/07)	568.871	898.781	26°48'22.70"	80°47'19.87"
LT-14 (03/07)	567.028	896.415	26°47'59.29"	80°47'40.26"

NOTES:
1. REFER TO SURVEY NO. 07-048.
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: WRM
Dwn by: WRM
Ckd by: WRM

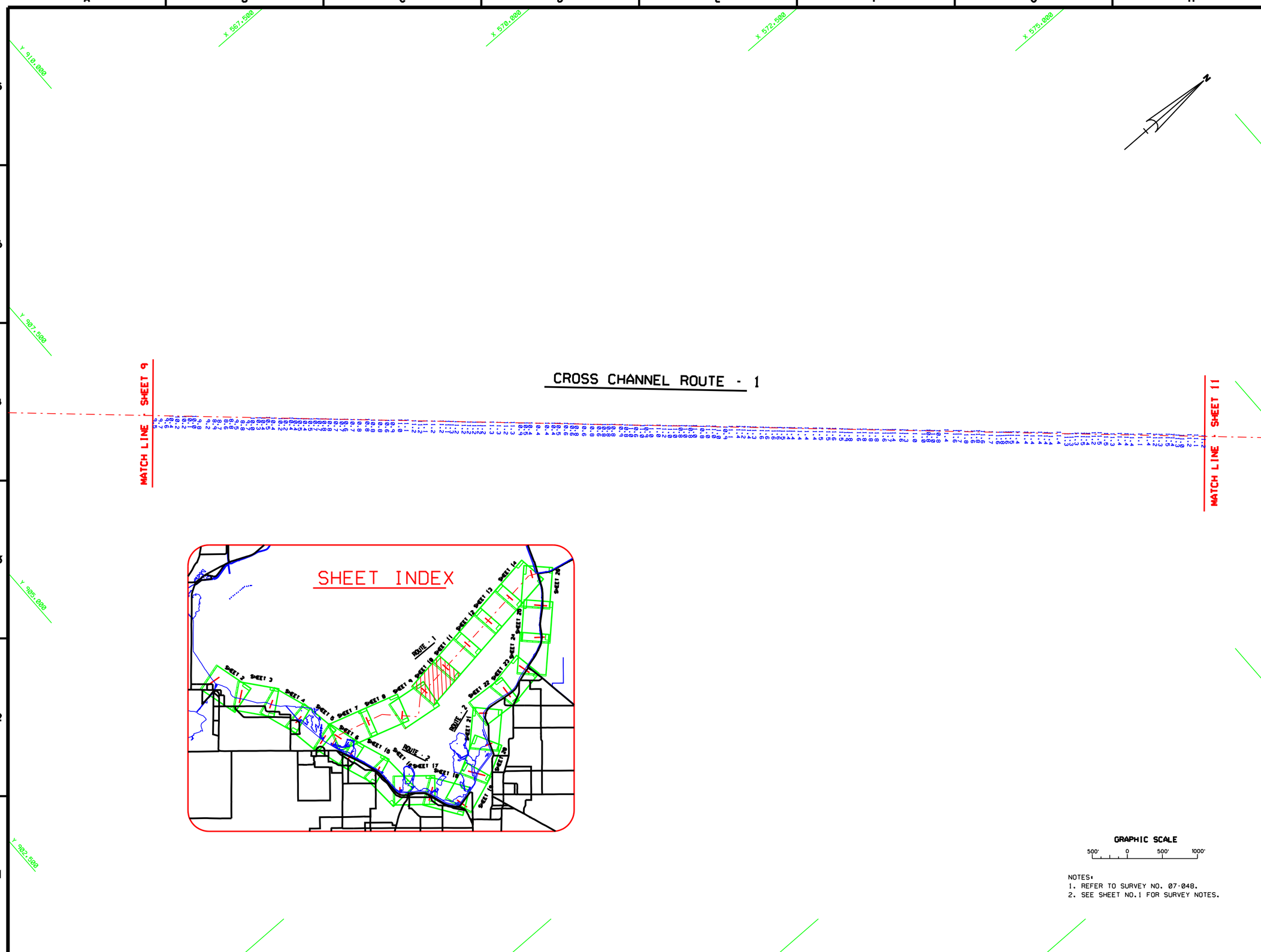
Date: MAR 2007
D.O. FILE NO. XXX-XX.XXX

File name: 07-048SHO9.DGN
Reference files: BROR98.DGN TOPO.DGN 07-048NAV.DGN 07-048R11-2.CDGN 07-048R11-5.CDGN 07-048R11-4.CDGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
5/10

SHEET 9 OF XXX



NOTES:
1. REFER TO SURVEY NO. 07-048.
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

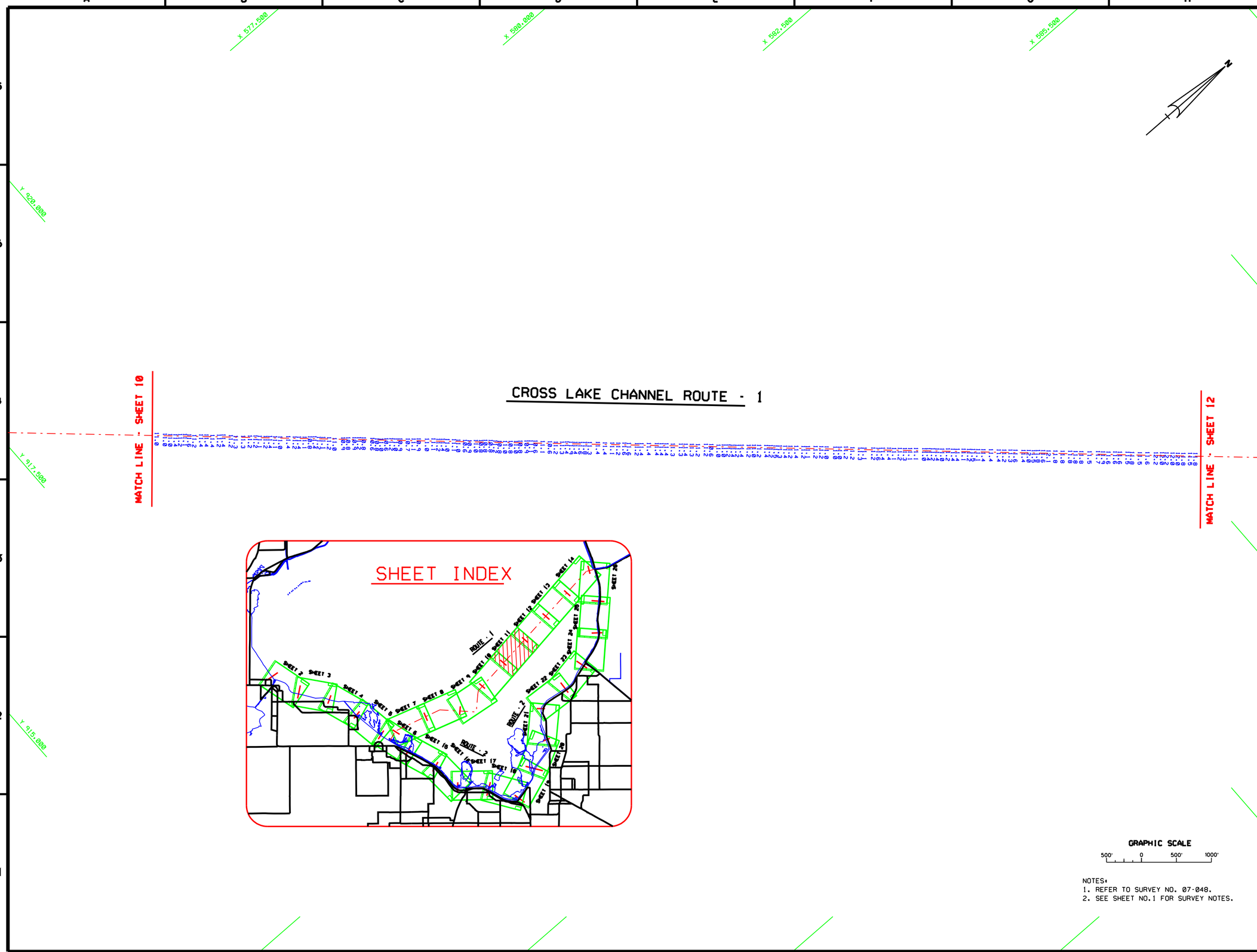
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX
Dated: MAR 2007
D.O. FILE NO. XXX-XX.XXX

File name: 07-048SH10.DGN
Reference files: BRDR98.DGN TOPO.DGN INDEX1.DGN 07-048R11-2_C.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-17
RIM CANAL ROUTE-2
PLAN

DRAWING NO.
6/10
SHEET 10 OF XXX



NOTES:
1. REFER TO SURVEY NO. 07-048.
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: WRW
Dwn by: WRW
Ckd by: WRW

Dated: MAR 2007
D.O.FILE NO. XXX-XX,XXX

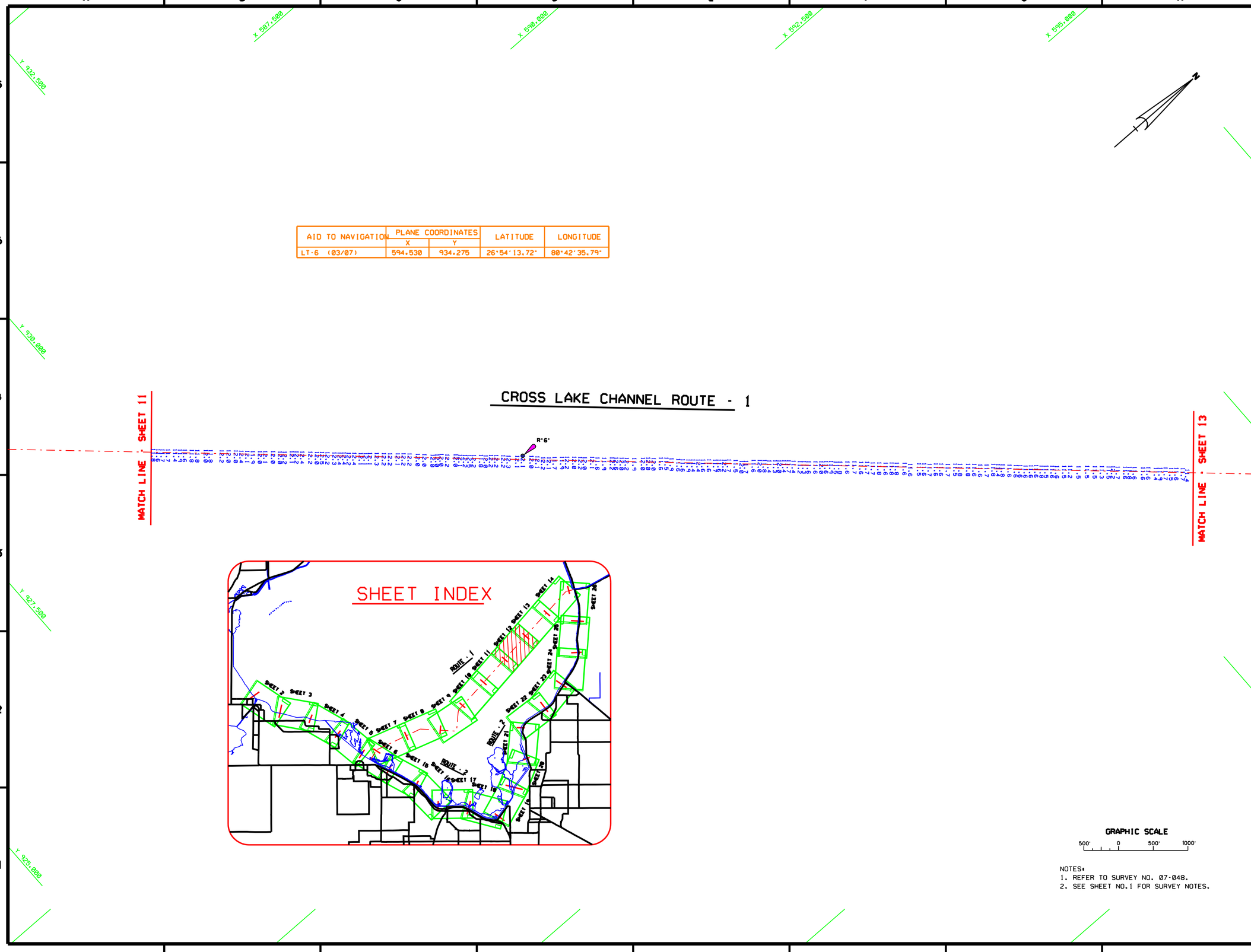
File name: 07-048SH1LDGN
Reference files: BRDR98.DGN TOPO.DGN INDEX1.DGN 07-048R11-2_C.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
7/10

SHEET 11 OF XXX

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-6 (03/07)	594.530	934.275	26°54'13.72"	80°42'35.79"



NOTES:
1. REFER TO SURVEY NO. 07-048.
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

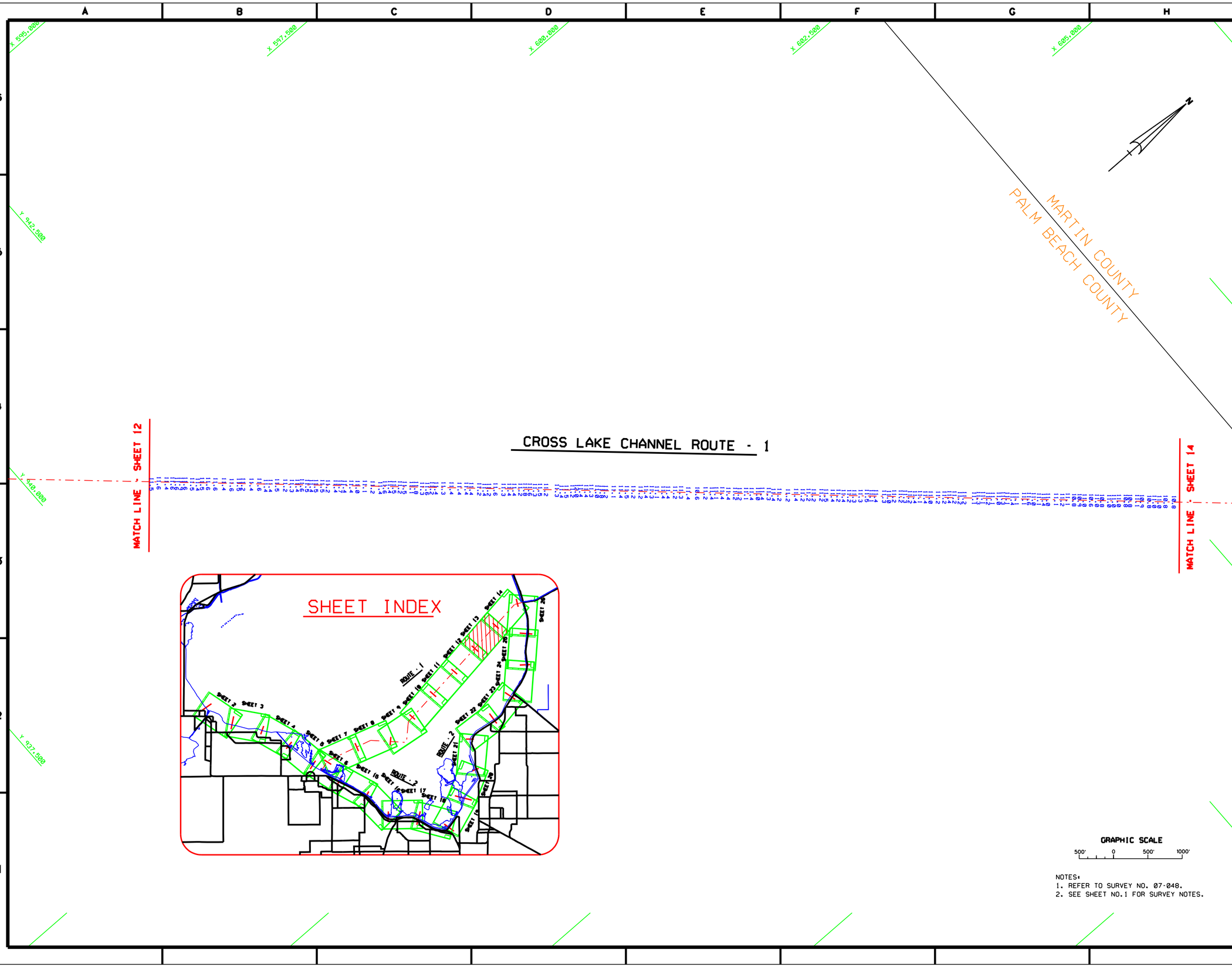
Designed by: WRM
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Dated: MAR 2007
D.O.FILE NO. XXX-XX.XXX

File name: 07-048SH12.DGN
Reference files: BRDR98.DGN TOPO.DGN INDEX1.DGN 07-048NAV.DGN 07-048H12_C.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
8/10
SHEET 12 OF XXX



NOTES:
1. REFER TO SURVEY NO. 07-048.
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

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

Designed by: WRW
Dwn by: WRW
Ckd by: WRW
Dated: MAR 2007
D.O.FILE NO. XXX-XX.XXX

File name: 07-048SH13.DGN
Reference files: BRDR98.DGN TOPO.DGN INDEX1.DGN 07-048R11-2_C.DGN

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1 & RIM CANAL ROUTE-2
PLAN

DRAWING NO.
9/10
SHEET 13 OF XXX

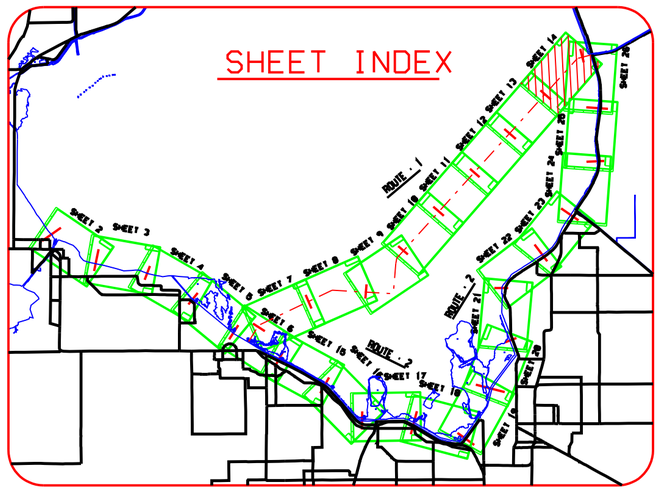
A B C D E F G H

6 5 4 3 2 1

X 605,000 X 607,500 X 610,000 X 612,500 X 615,000

Y 955,000 Y 952,500 Y 950,000 Y 947,500

SHEET INDEX



N

CROSS LAKE CHANNEL ROUTE - 1

MATCH LINE - SHEET 13

MATCH LINE - SHEET 26

0°5'

R-4

0°3'

MARTIN COUNTY

PALM BEACH COUNTY

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-3 (03/07)	621.562	962.964	26°58'57.15"	80°37'36.26"
DBN-4 (03/07)	620.920	963.010	26°58'57.63"	80°37'42.35"
LT-5 (03/07)	620.453	962.626	26°58'53.84"	80°37'48.52"

GRAPHIC SCALE

500' 0 500' 1000'

NOTES:
1. REFER TO SURVEY NO. 07-048.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved | Description | No. Symbol | Date

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

Designed by: MRM | Chkd by: | Date: MAR 2007
Drawn by: LMW | Chkd by: | Scale: AS SHOWN
Dsn. No. DACW17-XX-X-XXXX | Dated: XX XXX XXXX | Plot date: XX XX XXXX | Plot scale: XXX

File name: 07-048SH14.DGN
Reference files: 980088.DGN TOPO.DGN 980E10.DGN 07-048MAV.DGN 07-048MFI-2.DGN

D.O.FILE NO. XXX-XX-XXX

OKEECHOBEE WATERWAY, FLORIDA
PROJECT CONDITION SURVEY
8-FOOT PROJECT
CROSS LAKE CHANNEL ROUTE-1&
REF. CANAL ROUTE-22
PLAN

DRAWING NO.
10/10
SHEET 14 OF XXX