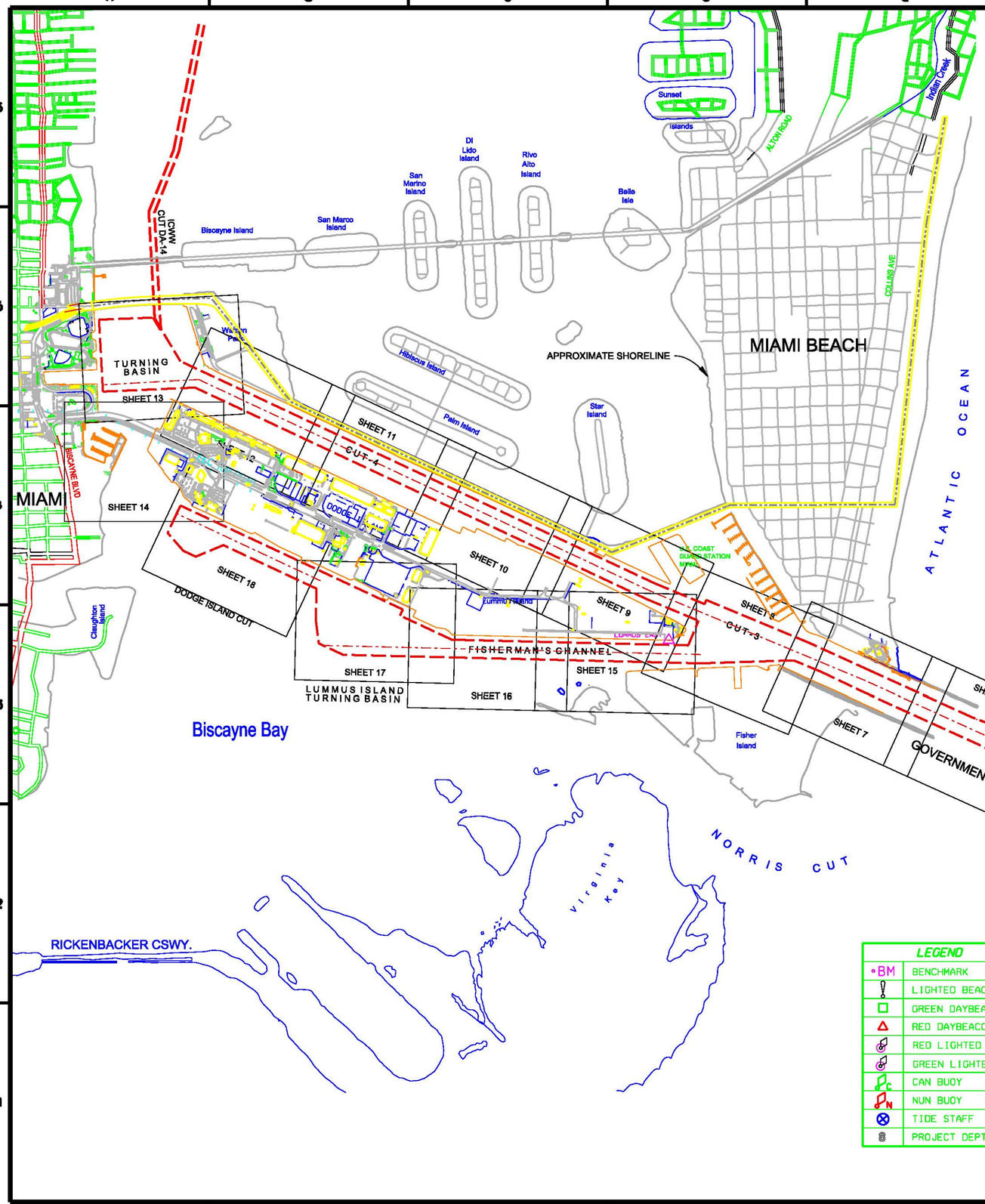
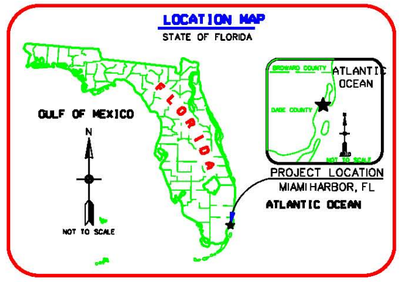


LOCATION MAP
STATE OF FLORIDA



SURVEY NOTES:

1. REFER TO SURVEY NO.10-142.
2. SOUNDINGS 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 CALLED "MIAMI-HBR&RIV-03AUG2010.KTD". ANY THIRD PARTY ATTEMPT TO DUPLICATE THIS SURVEY SHALL OBTAIN THE LATEST KINEMATIC TIDE DATUM FILE (KTD FILE) AVALABLE FROM SAJACE.
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 REAL-TIME KINEMATIC GPS FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "LUMMUS EAST"

   NORTHING: 521,580.994'
   EASTING: 937,183.349'
   NAVD88 ELEVATION: 9.98'

   TIDE STAFF SET FROM "LUMMUS EAST"

   NORTHING: 521,580.994'
   EASTING: 937,183.349'
   NAVD88 ELEVATION: 9.98'
   MLLW ELEVATION: 12.4'

   VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM SENSOR OPERATING AT 240KHZ (HIGH FREQUENCY) FOR ALL CUTS EXCEPT THE DODGE ISLAND EXTENSION WHERE AN EDGETECH 4600 MULTI-BEAM SENSOR OPERATING AT 236 KHZ WAS USED. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
S/B FLORIDA	17 AUG - 01 SEP 2010	CUTS 1-4, DODGE ISLAND CUT, FISHERMAN'S CHAN, LUMMUS ISLAND, TURNING BASIN
WB-32	15 SEP 2010	DODGE ISLAND EXTENSION, USCG BERTH

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 110-2-1003, 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
8	PROJECT DEPTH

SURVEY CONTROL

CONTROL POINT	COORDINATES (NAD83) (X)	(Y)	EL. NAVD
LUMMUS EAST	937,183.35	521,580.99	9.98

N

GRAPHIC SCALE
1000' 0 1000' 2000'

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

Res. No. DACW17-02-C-0003
Delivery XX XXXX XXXXX
Surveyor AS SHOWN
Pre survey XX XX XXXX
Post survey XXXX

Designed by N/A
Dwn by CTS
Chk by CTS
Scale SEPT 2010
D.O. FILE NO. XXX-XX.XXX

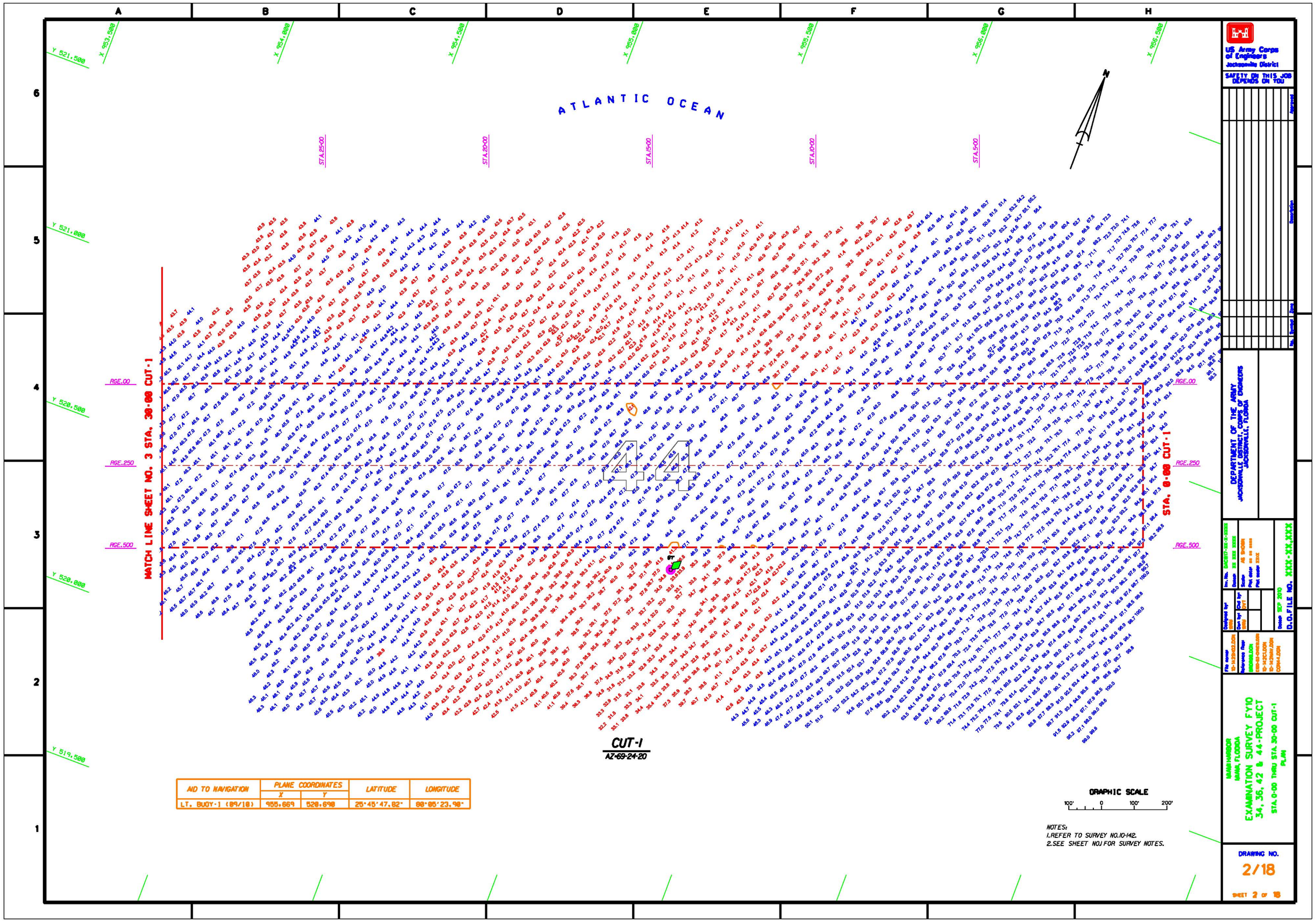
File name 10-142SHOALOCH
Reference Files MIAMIHBR.DGN
FLORIDA.DGN
FLORIDA.DGN
FLORIDA.DGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
INDEX, LOCATION AND VICINITY PLAN

DRAWING NO.
1/18

SHEET 1 OF 18



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (89/18)	955.669	520.698	25°45'47.82"	80°05'23.98"

NOTES:
1. REFER TO SURVEY NO.10-142.
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

Dwg. No. DACE17-00-C-0003
Design 00 0000 0000
Scale AS SHOWN
Pay order 00 00 0000
Pay order 0000

Designed by [illegible]
Dwn by [illegible]
Ckd by [illegible]

Date SEP 2010
D.O.F.FILE NO. XXX-XX.XXX

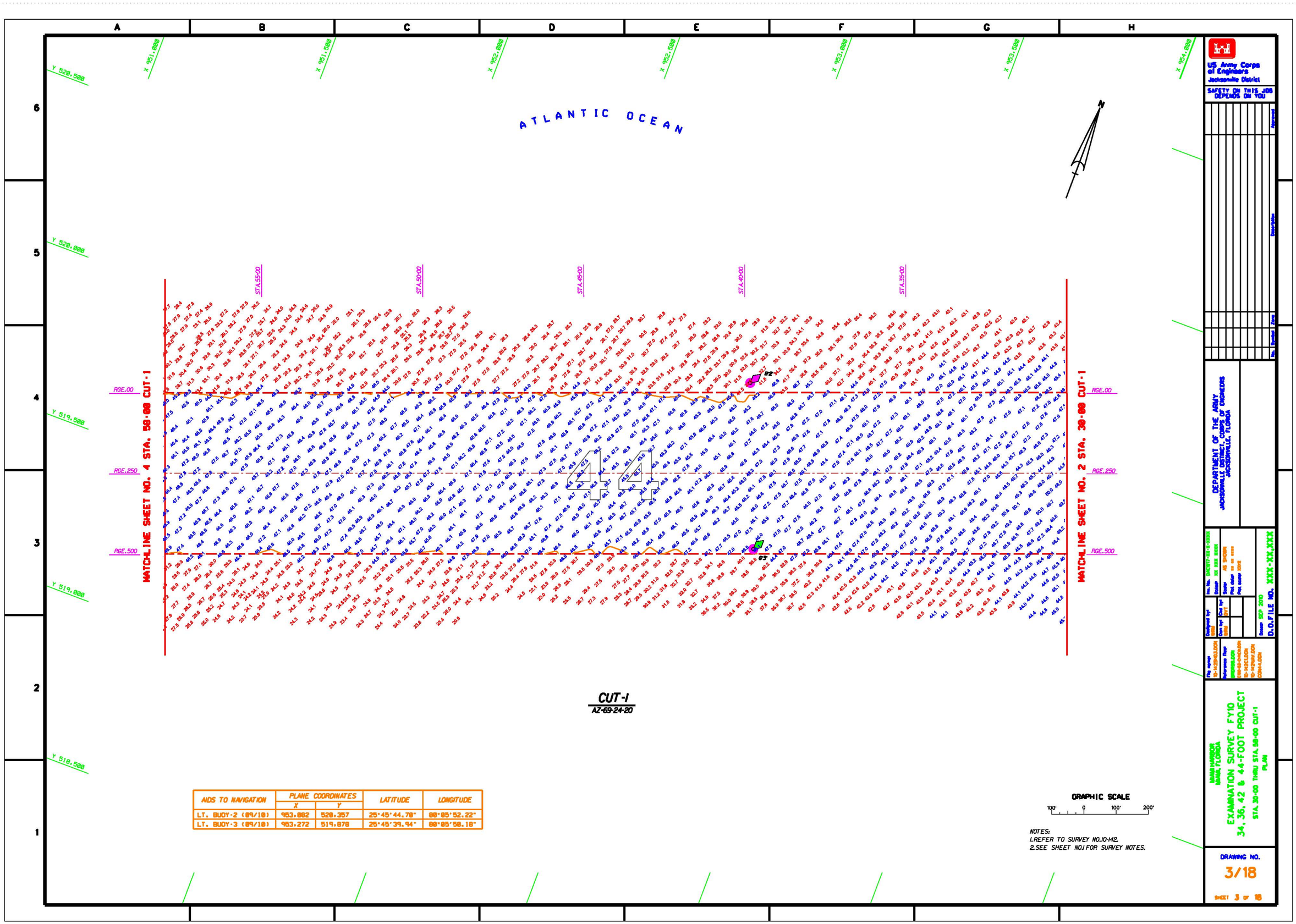
File name 10-142SHEET.DGN
References Dwg 00000001.DGN
10-142CLUDN
10-142MAP.DGN
C0044.DGN

MARINHARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 35, 42 & 44-PROJECT
STA. 0+00 THRU STA. 30+00 CUT-1
PLAN

DRAWING NO.
2/18

SHEET 2 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-2 (09/10)	953.882	520.357	25°45'44.78"	80°05'52.22"
LT. BUOY-3 (09/10)	953.272	519.878	25°45'39.94"	80°05'58.18"

NOTES:
1. REFER TO SURVEY NO.10-142.
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

Designed by: CHS
Dwn by: CHS
Chkd by: JCT
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX XX XXXX
Date: SEP 2010
D.O.FILE NO. XXX-XX,XXX

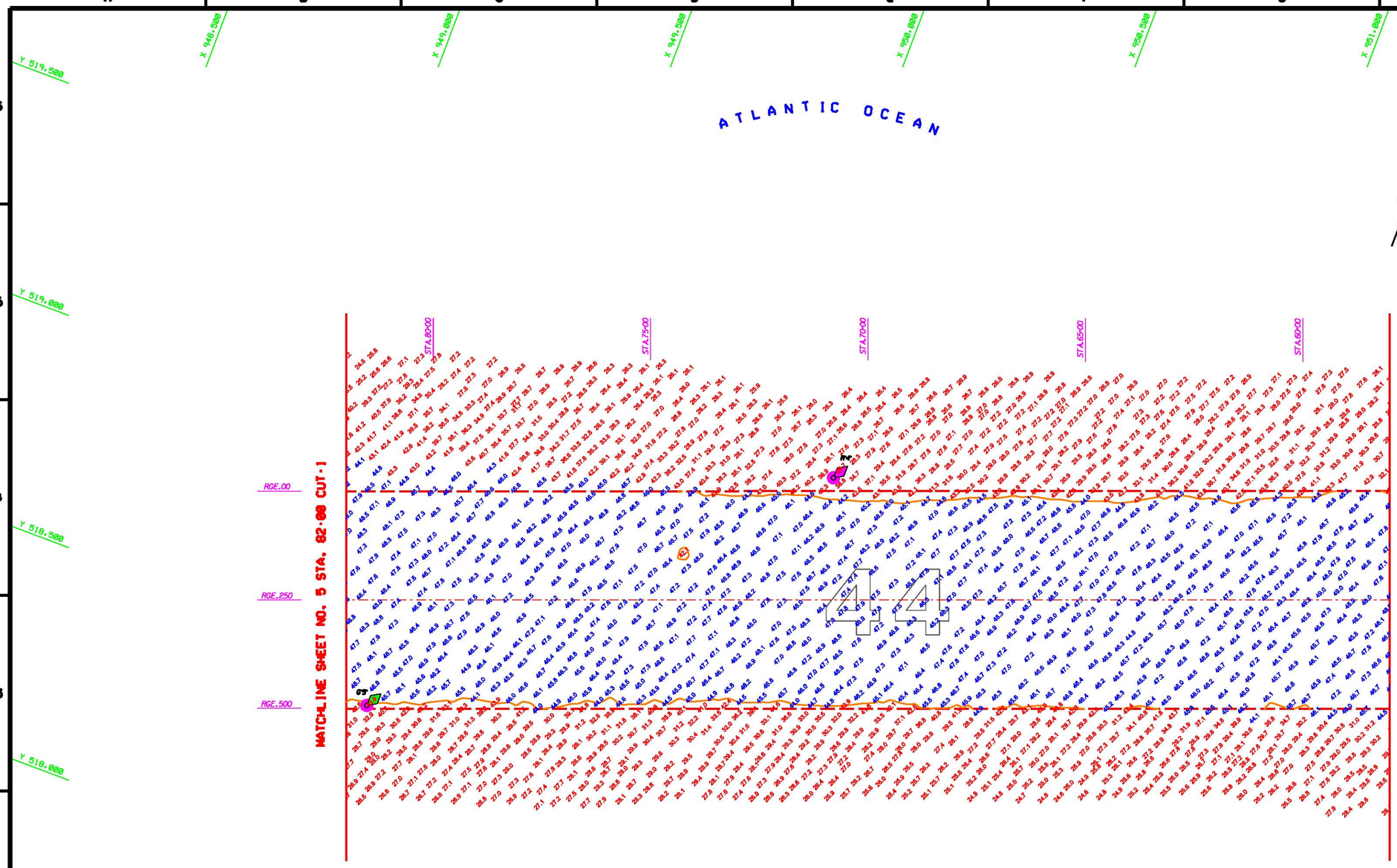
File name: 10-142SHOALS.DGN
Reference files: 10-142CLOUD.DGN 10-142GRID.DGN CONN44.DGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 30+00 THRU STA. 59+00 CUT-1
PLAN

DRAWING NO.
3/18

SHEET 3 OF 18



CUT-1
AZ-69-24-20

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-4 (09/18)	950.183	519.268	25°45'34.11"	80°06'24.81"
LT. BUOY-5 (09/18)	949.362	518.482	25°45'25.58"	80°06'33.05"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.10-142.
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

Designed by: [illegible]
Dwn by: [illegible]
Ckd by: [illegible]
Date: SEP 2010
D.O.F.FILE NO. XXX-XX.XXX

File name: 10-142SHEET.DGN
Reference files: [illegible]

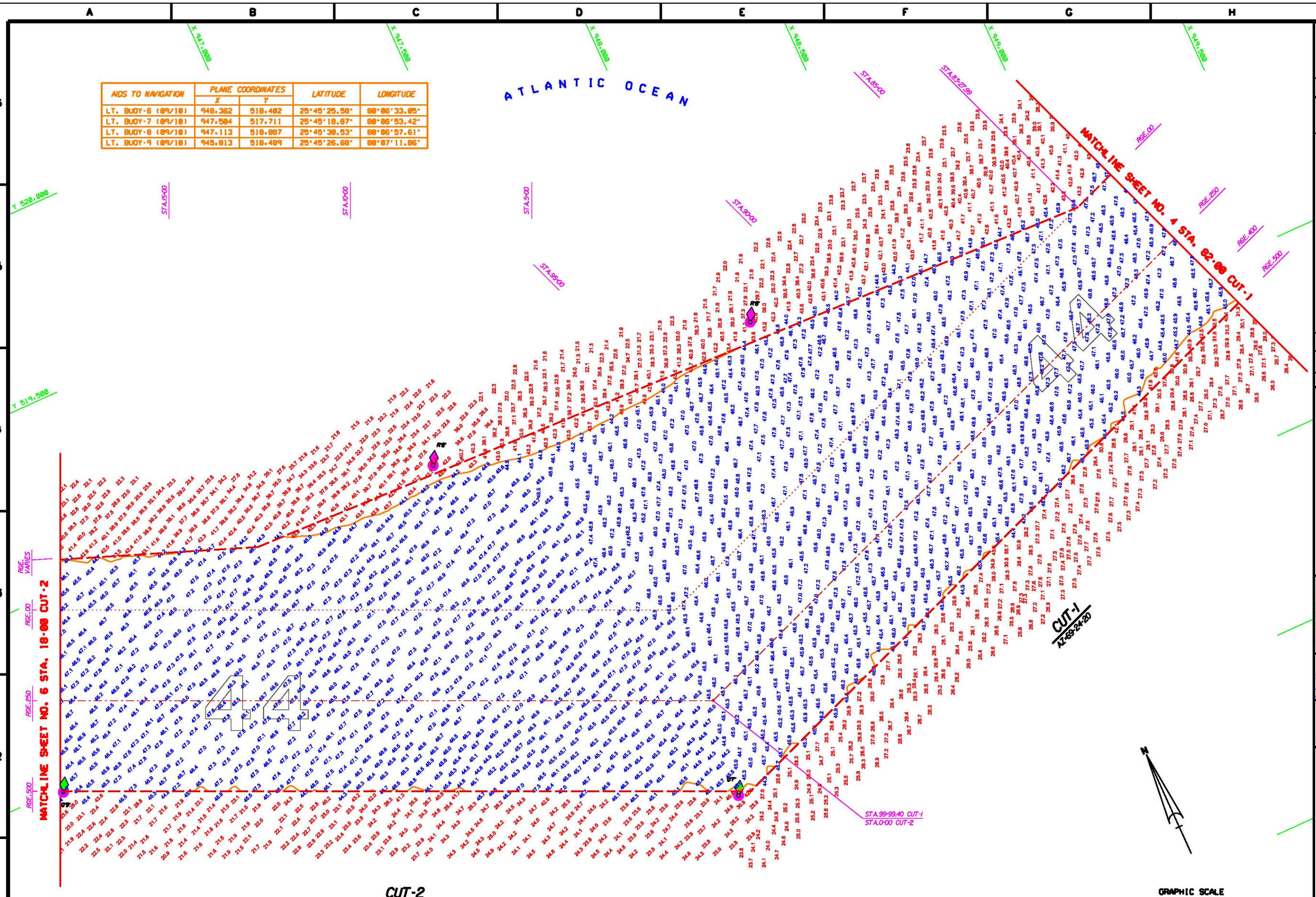
MARK HARBOR
MARA, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 58+00 THRU STA. 82+00 CUT-1
PLAN

DRAWING NO.
4/18

SHEET 4 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (09/18)	948.362	518.402	25°45'25.58"	88°06'33.85"
LT. BUOY-7 (09/18)	947.564	517.711	25°45'18.87"	88°06'53.42"
LT. BUOY-8 (09/18)	947.113	518.887	25°45'30.53"	88°06'57.61"
LT. BUOY-9 (09/18)	945.813	518.489	25°45'26.68"	88°07'11.86"



NOTES:
1. REFER TO SURVEY NO.10-142.
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

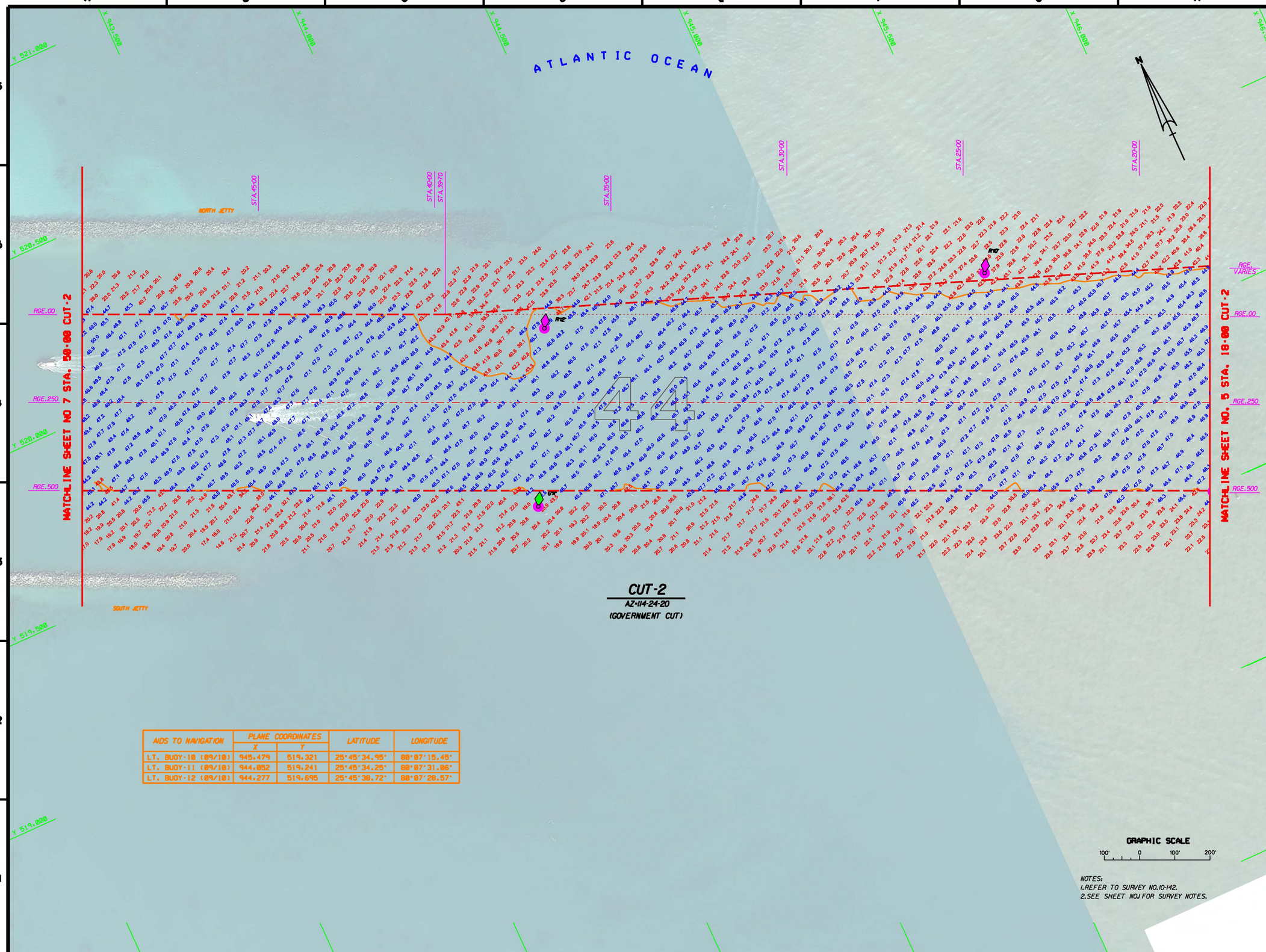
MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 82+00 CUT-1 THRU STA. 18+00 CUT-2
PLAN

DRAWING NO.
5/18

SHEET 5 OF 18

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



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (09/10)	945.479	519.321	25°45'34.95"	80°07'15.45"
LT. BUOY-11 (09/10)	944.852	519.241	25°45'34.25"	80°07'31.86"
LT. BUOY-12 (09/10)	944.277	519.695	25°45'38.72"	80°07'28.57"

NOTES:
1. REFER TO SURVEY NO.10-142.
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. DACW17-02-C-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot order: XXXX

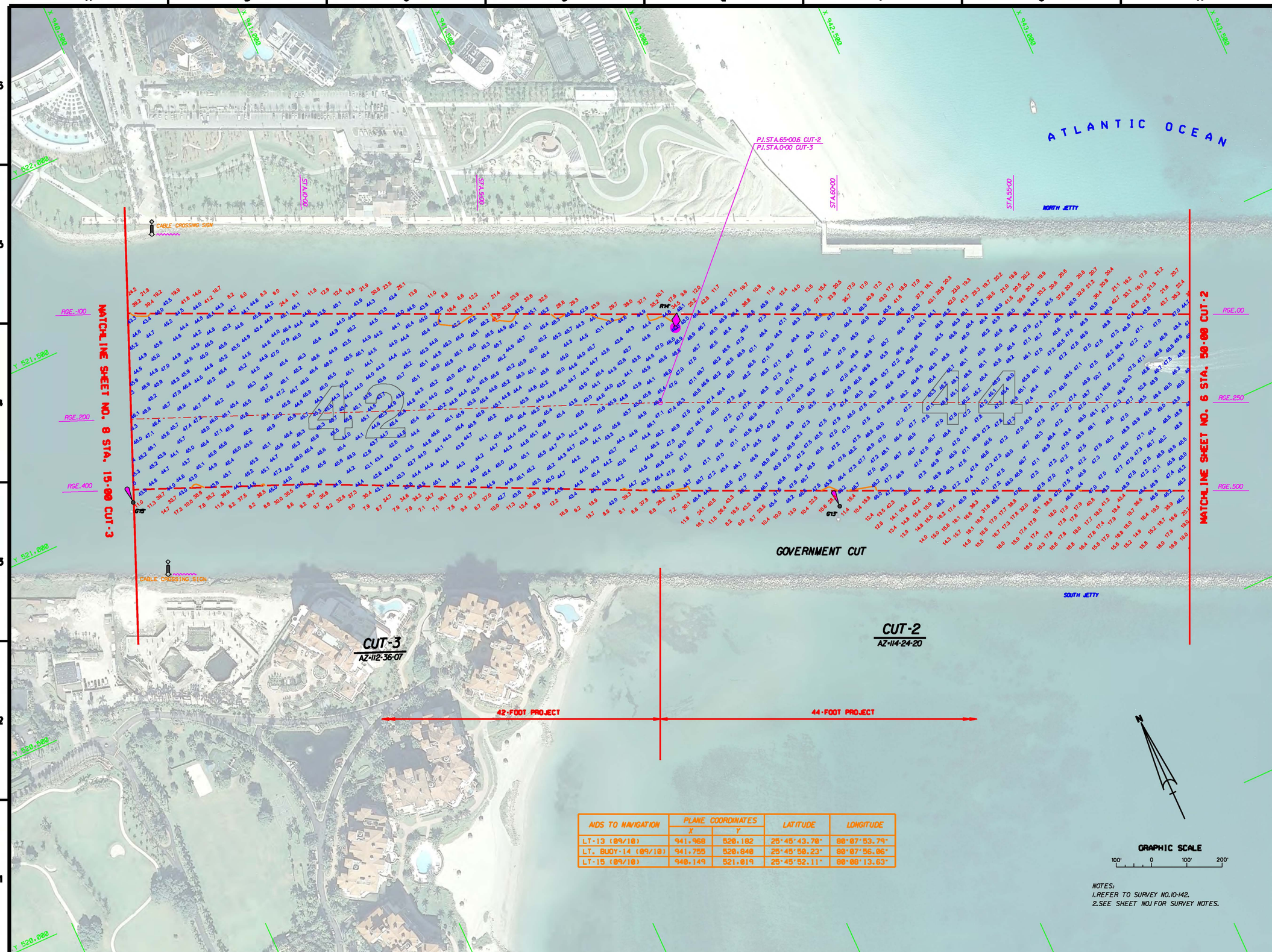
Designed by: [illegible]
Drn by: [illegible]
Chd by: [illegible]
Date: SEP 2010
D.O. FILE NO. XXX-XX.XXX

File name: 10-142PHOTO.DGN
Reference files: 10-142C2.DGN, 10-142NAV.DGN, CONN4.DGN

MIAMI HARBOR
MIAMI, FLORIDA
EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 18+00 THRU STA. 50+00 CUT-2
PLAN

DRAWING NO.
6/18

SHEET 6 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (09/10)	941.968	520.182	25°45'43.70"	80°07'53.79"
LT. BUOY-14 (09/10)	941.755	520.848	25°45'50.23"	80°07'56.06"
LT-15 (09/10)	940.149	521.019	25°45'52.11"	80°08'13.63"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.10-142.
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. DACW17-10-X-XXXX
Colour XX XXX XXXX
Scale AS SHOWN
Plot colour XX XX XXXX
Plot scale XXXX

Designed by WMM
Dwn by WMM
Chd by DCT
Date SEP 2010
D.O. FILE NO. XXX-XX.XXX

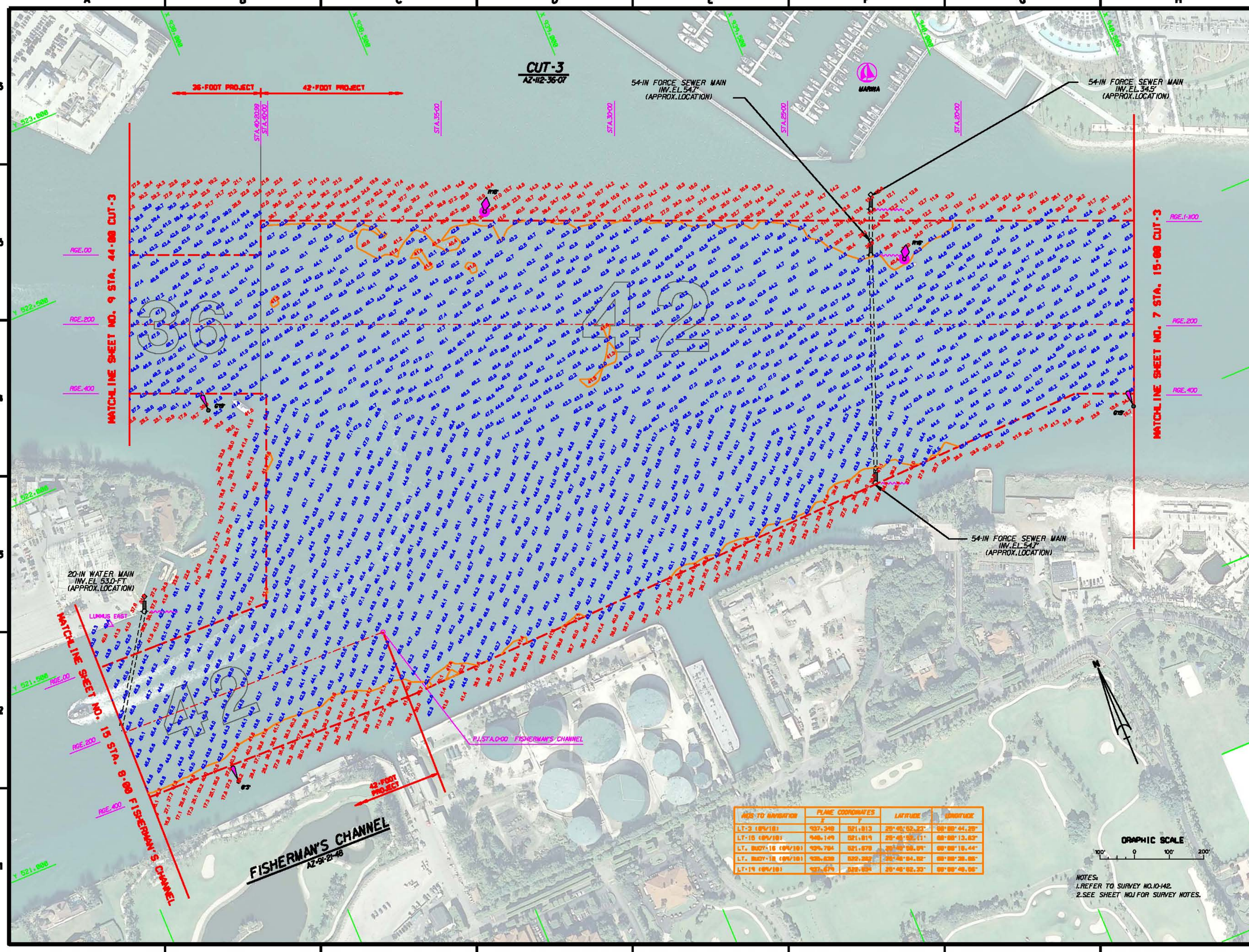
File name 10-142SHEET.DGN
Reference files 10-142SHEET.DGN
1100-10-CHECK.DGN
10-142CLR.DGN
10-142BAR.DGN
10-142MAV.DGN
COM12.DGN
COM14.DGN

MIAMI HARBOR
MIAMI, FLORIDA

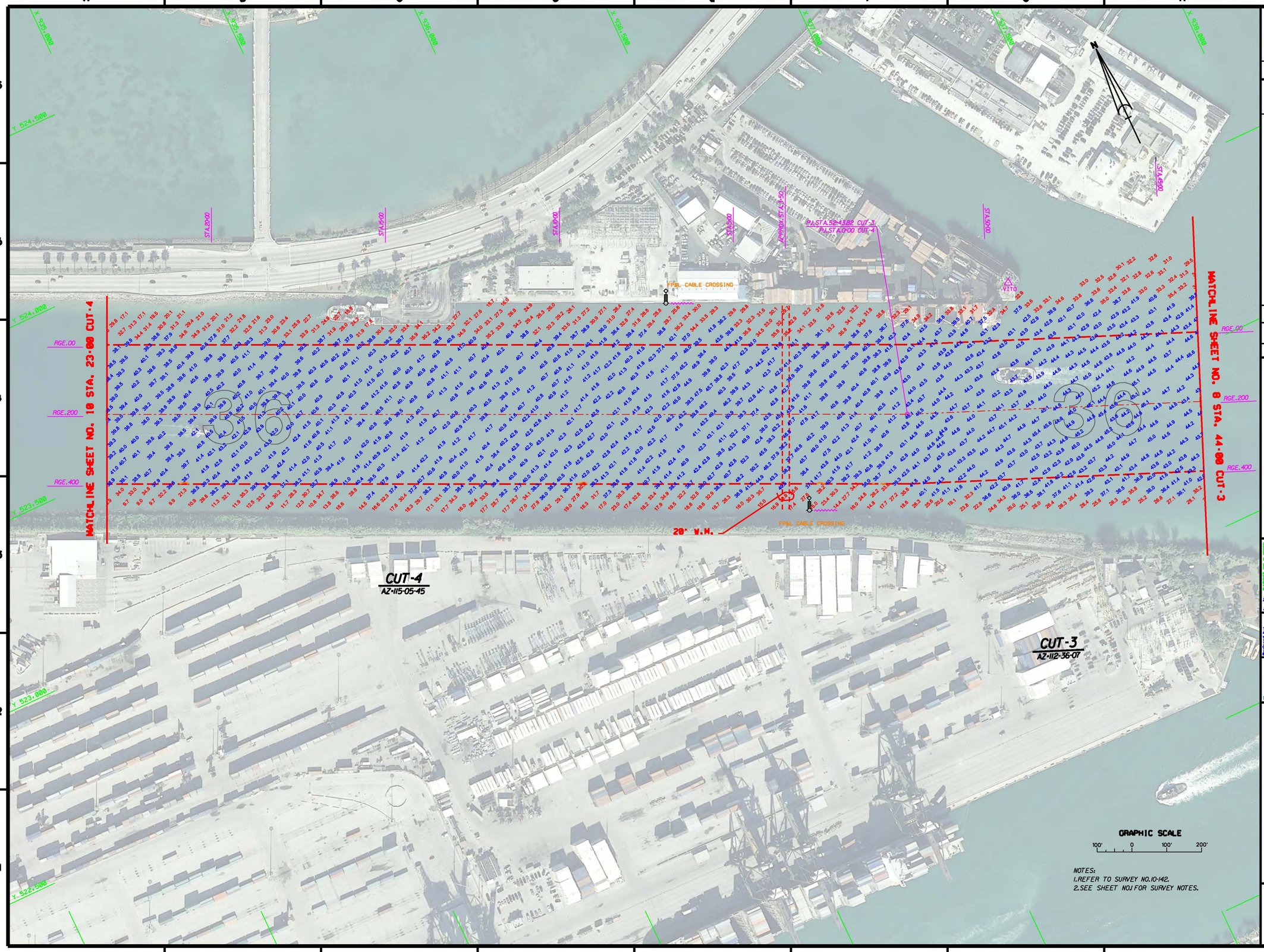
EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 50+00 CUT-2 THRU STA. 15+00 CUT-3
PLAN

DRAWING NO.
7/18

SHEET 7 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (09/18)	937.348	521.813	27°40'52.23"	82°33'44.29"
LT-15 (09/18)	948.149	521.819	27°40'52.11"	82°33'13.83"
LT. BUOY-16 (09/18)	939.764	521.678	27°40'55.04"	82°33'18.44"
LT. BUOY-18 (09/18)	938.638	522.252	27°40'54.52"	82°33'38.85"
LT-19 (09/18)	937.679	522.024	27°40'52.33"	82°33'40.56"



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. DACW17-XX-X-XXXX
Design: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

Designed by: (NAME)
Dwn by: Chd by: (INIT)
Date: SEP 2010
D.O.FILE NO. XXX-XX.XXX

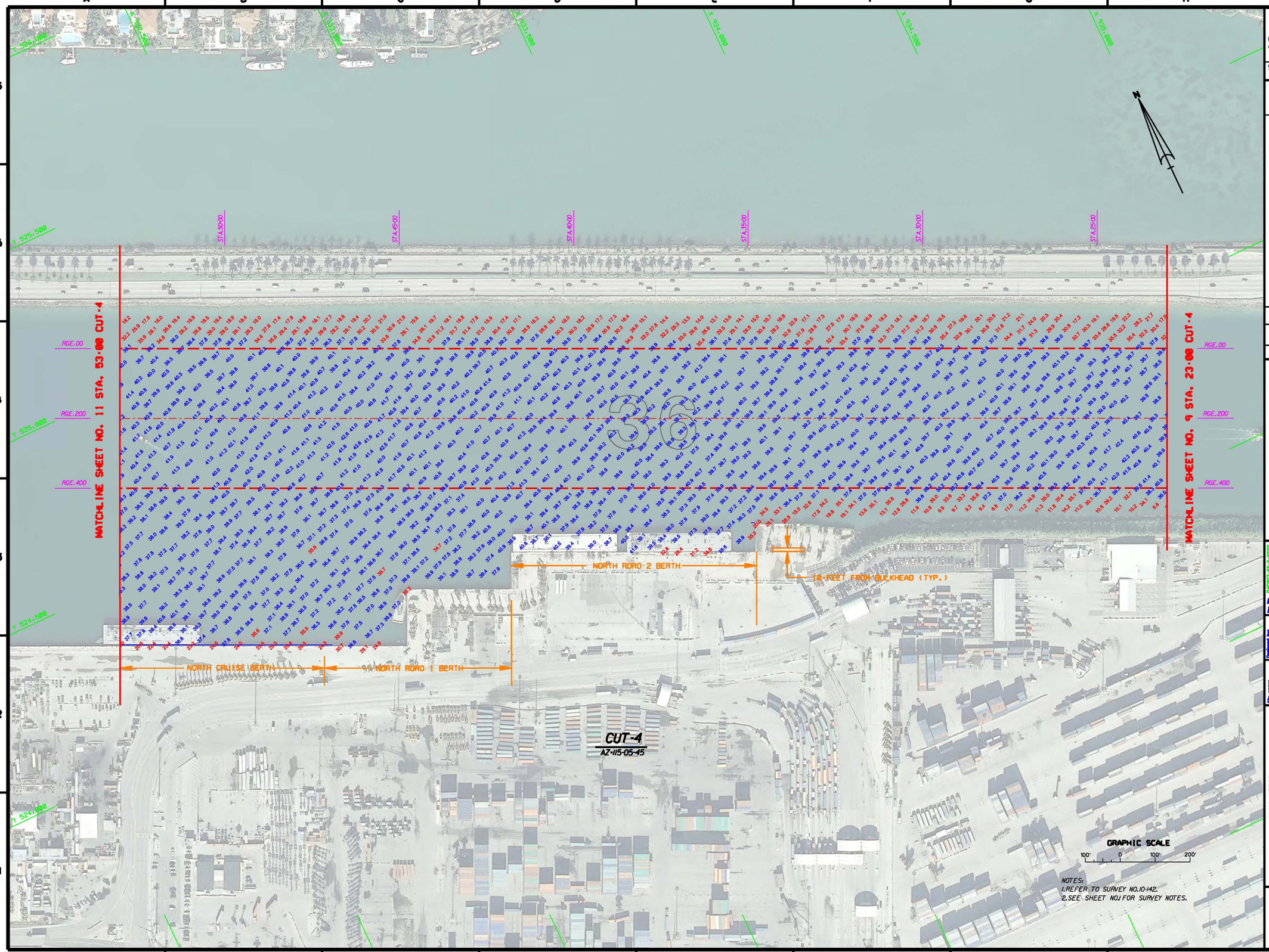
File name: 10-142SHEET.DGN
Reference files: 10-142BASE.DGN, 10-142C3.DGN, 10-142C4.DGN, CONTOUR.DGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 44+00 CUT-3 THRU STA. 23+00 CUT-4
PLAN

DRAWING NO.
9/18

SHEET 9 OF 18



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. DACW17-02-C-XXXX
Design XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot number: XXXX

Designed by: [illegible]
Dwn by: [illegible]
Chkd by: [illegible]

Date: SEP 2010
D.O. FILE NO. XXX-XX,XXX

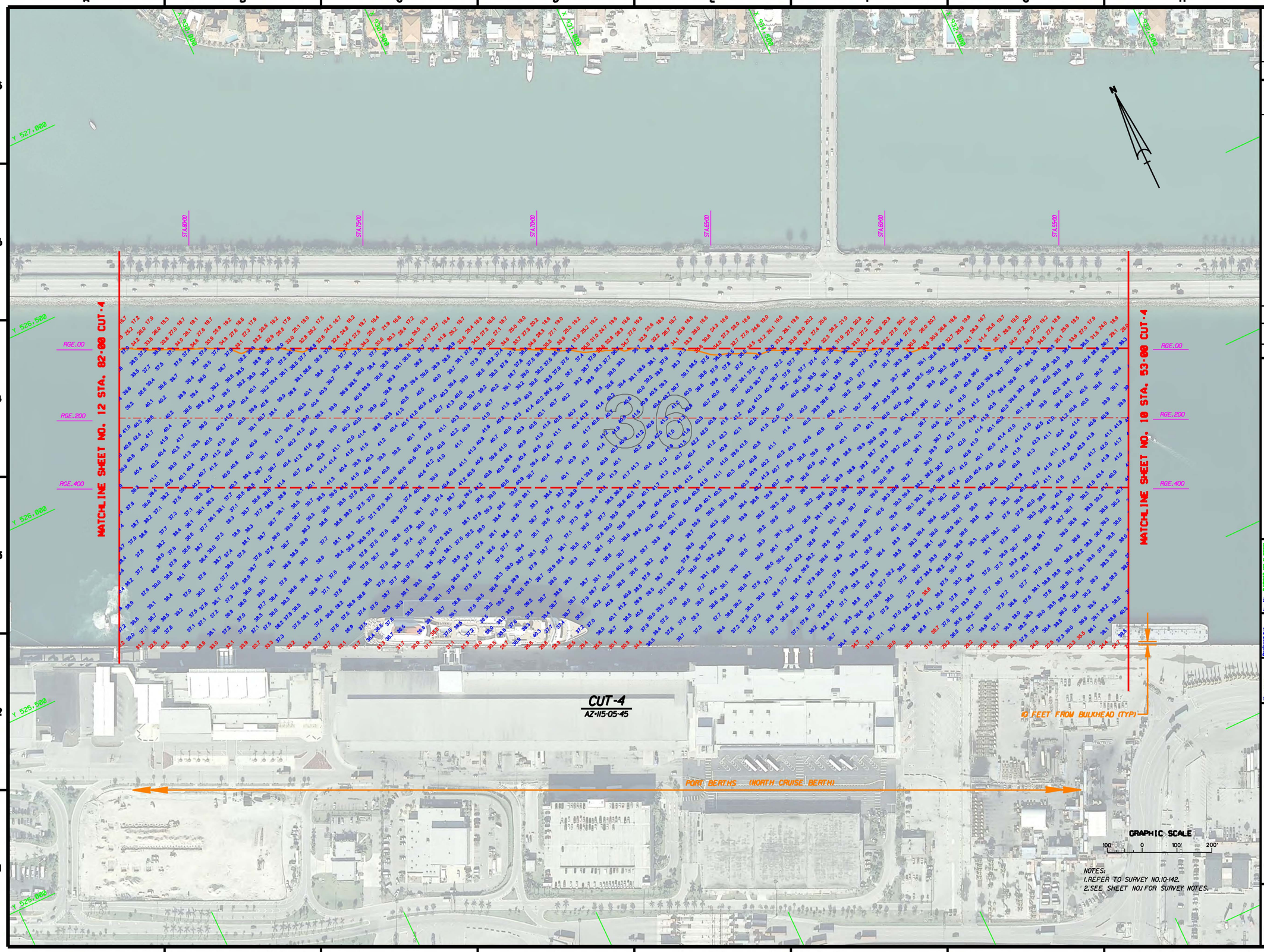
File name: 10-142SH10.DGN
Reference files: 2D2000.DGN
C100-03-CHK15.DGN
10-142CAL.DGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA.23+00 THRU STA.53+00 CUT-4
PLAN

DRAWING NO.
10/18

SHEET 10 OF 18



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

Job No. DACW17-02-C-0000
Contract XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot number: XXXX

Designed by: [illegible]
Dwn by: [illegible]
Ckd by: [illegible]
Date: SEP 2010
D.O. FILE NO. XXX-XX.XXX

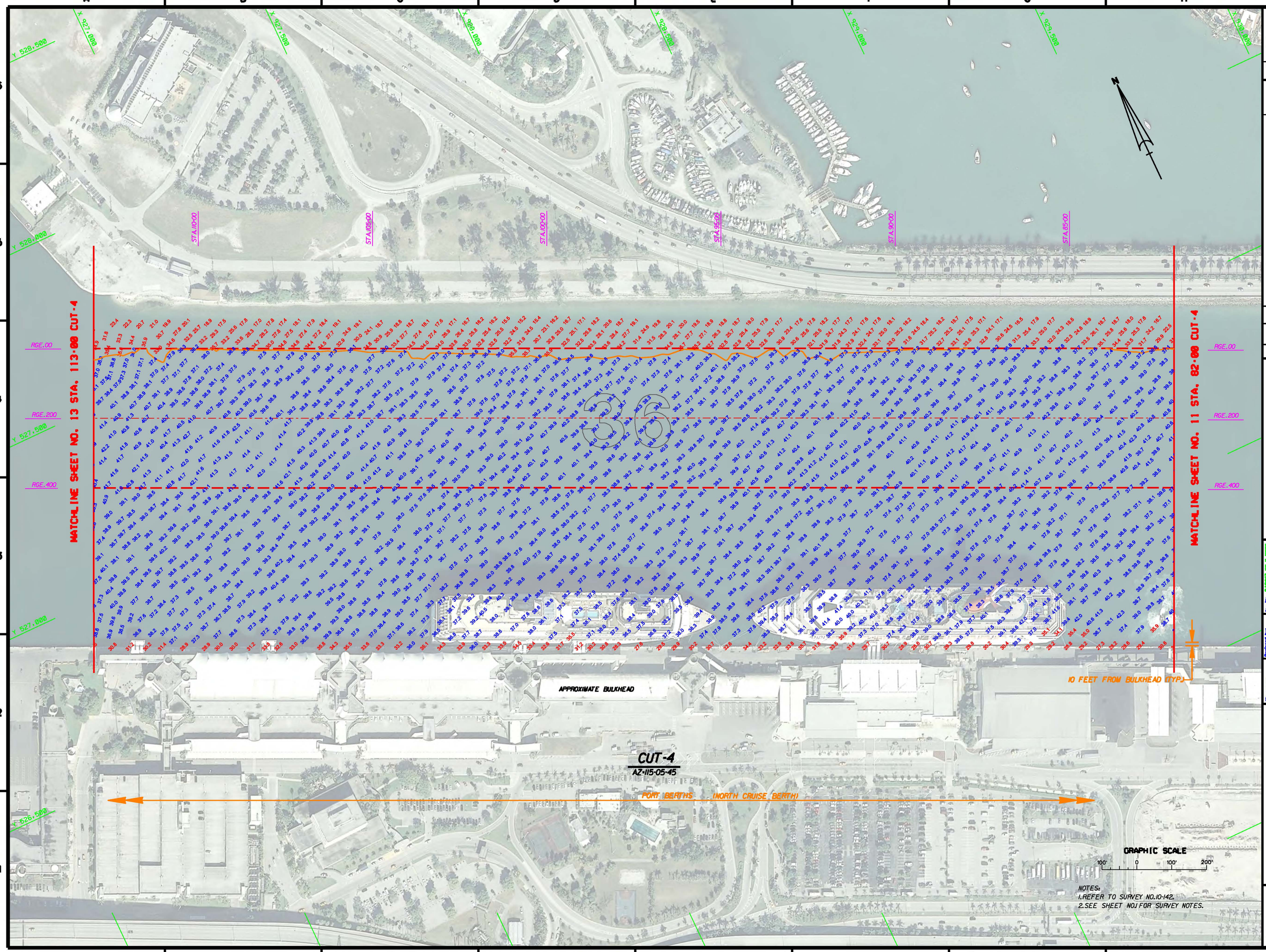
File name: 10-142SHTLOGN
Reference files: 10-142SHTLOGN
BIOSOIL.DGN
C100-03-CHKSLBGN
10-142CLOGN
CONSLOGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMANITION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 53+00 THRU STA. 82+00 CUT-4
PLAN

DRAWING NO.
11/18

SHEET 11 OF 18



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. DACW17-XX-X-XXXX
Contract XX XXX XXXX
Scale: AS SHOWN
Plot date: XX-XX-XXXX
Plot number: XXXX

Designed by: XXXX
Dwn by: XXXX
Ckd by: XXXX

Contract SEP 2010
D.O. FILE NO. XXX-XX.XXX

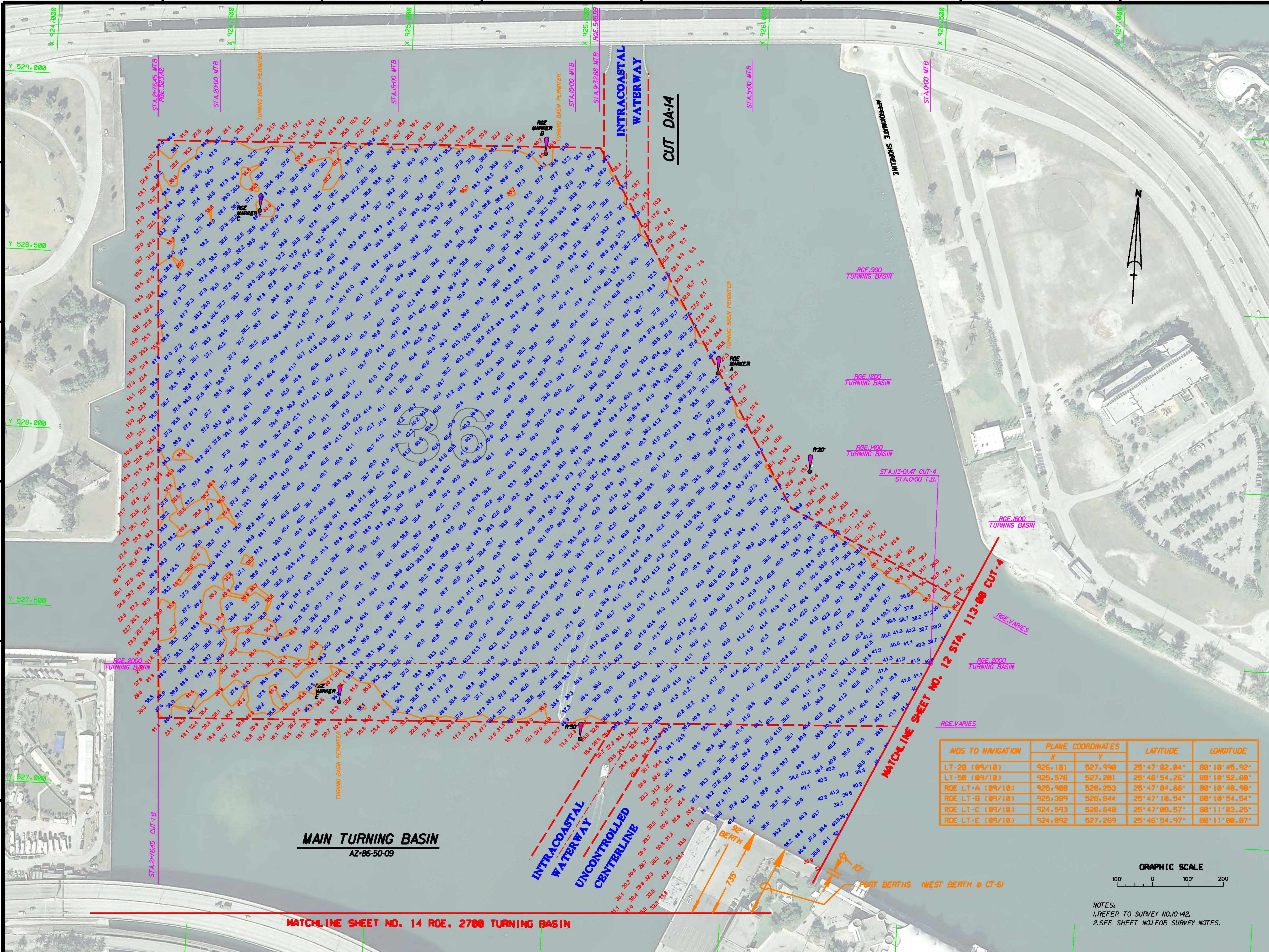
File name: 10-142SH12.DGN
Reference files: 2010SS.DGN, 10SH03.DGN, 10-142CL.DGN, 10-142TB.DGN, CONS3.DGN

MIAMI HARBOR
MIAMI, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 82+00 THRU STA. 113+00 CUT-4
PLAN

DRAWING NO.
12/18

SHEET 12 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-20 (09/10)	926,181	527,990	25°47'02.04"	80°10'45.92"
LT-50 (09/10)	925,576	527,201	25°46'54.26"	80°10'52.60"
RGE LT-A (09/10)	925,908	528,253	25°47'04.66"	80°10'48.90"
RGE LT-B (09/10)	925,389	528,844	25°47'10.54"	80°10'54.54"
RGE LT-C (09/10)	924,593	528,640	25°47'08.57"	80°11'03.25"
RGE LT-E (09/10)	924,892	527,269	25°46'54.97"	80°11'00.07"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO.10-142.
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

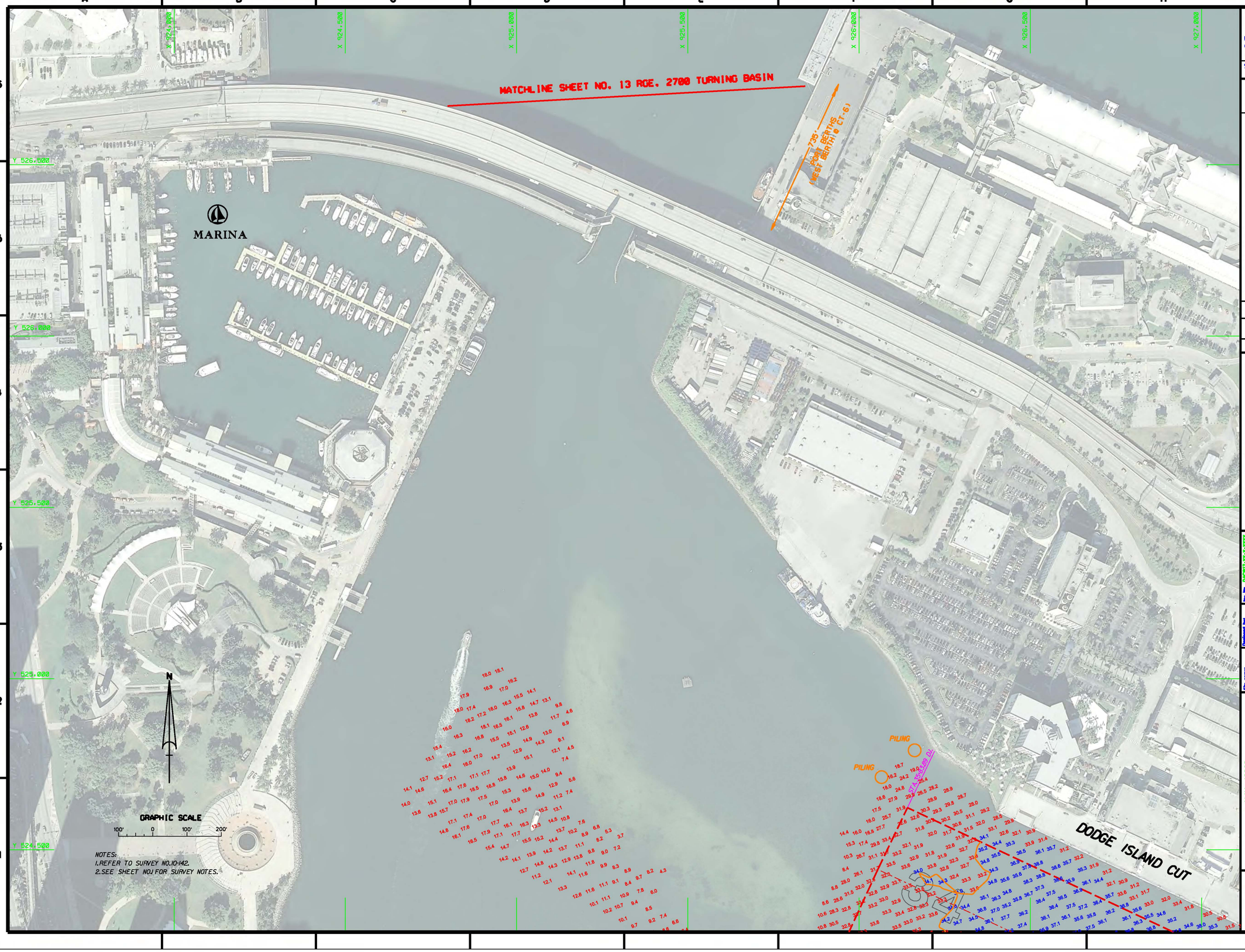
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Dwn by: WRM
Ckd by: DVT
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X
Date: SEP 2010
D.O.FILE NO. XXX-XX,XXX

File name: 10-142SH13.DGN
Reference files: BRDR36.DGN, E100-83-CHKEY.DGN, 10-142C4.DGN, 10-142TB.DGN, 10-142NAV.DGN, CON36.DGN

MIAMI HARBOR
MIAMI, FLORIDA
EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 113+00 CUT-4 THRU
STA. 21+97.07 MIDDLE TURNING BASIN
PLAN

DRAWING NO.
13/18
SHEET 13 OF 18



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. DACN17-XX-X-XXXX
Colour XX XXX XXXX
Scale AS SHOWN
Pen colour xx xx xxx
Pen order XXX

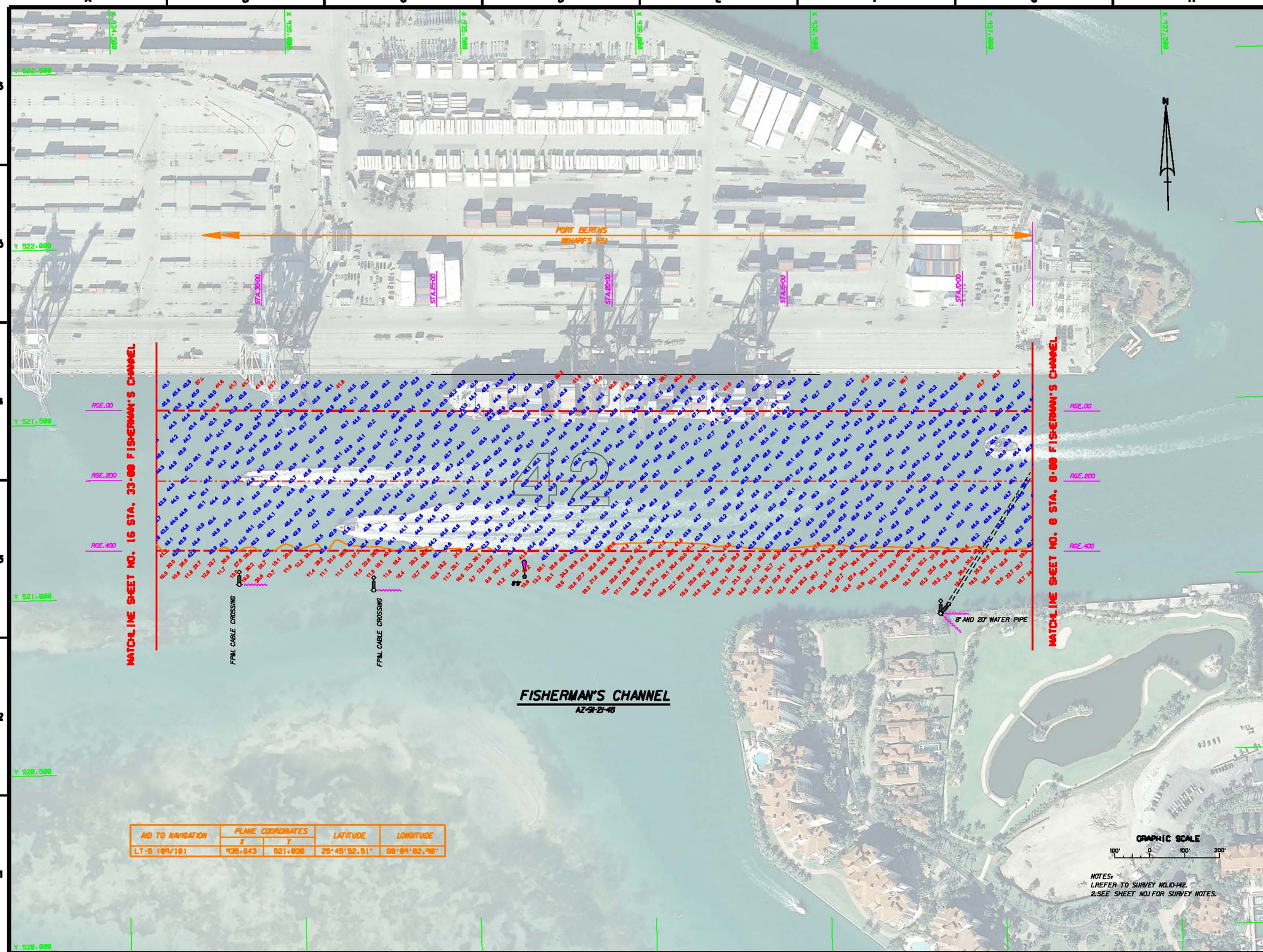
Designed by BRB
Dwn by BRB
Chd by BRT
Date SEP 2010
D.O.FILE NO. XXX-XX.XXX

File name 10-142SHN.DGN
Reference files BBORDER.DGN
10-142D.DGN
10-142CXC.DGN
CORN34.DGN

MIAMI HARBOR
MIAMI, FLORIDA
EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
WEST BERTH @ CT-6
PLAN

DRAWING NO.
14/18

SHEET 14 OF 18



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-5 (09/10)	936.643	521.838	25°45'52.51"	80°09'02.99"

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

Dwn. No. SAJ2010-00-P-0000
Contract NO. XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot number: XXXX

Designed by: XXXX
Drawn by: XXXX
Checked by: XXXX
Contract: SEP 2010
D.O.FILE NO. XXX-XX,XXX

File name: 10-142SURVEY.DGN
Reference files: XXXXXXXX.DGN
XXXXXXXX.DGN
10-142TRC.DGN
10-142SUM.DGN
COORD2.DGN

MONROE COUNTY
MARATHON, FLORIDA

EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA.8+00 THRU STA.33+00 FISHERMAN'S CHANNEL
PLAN

DRAWING NO.
15/18

SHEET 15 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-7 (89/18)	934,883	521,899	25°45'53.24"	80°09'28.18"
LT-9 (89/18)	932,324	521,156	25°45'53.98"	80°09'34.15"

F.C./LIT.B.BERTHING AREA

PORT BERTHS (WHARFS 1-5)

P.I.STA.53+56.48 FISHERMAN'S CHANNEL
P.I.STA.0+00 LUMMUS IST AND T.B.

STA.15+00
STA.20+00
STA.25+00
STA.30+00
STA.35+78
STA.39+00

APPROXIMATE SHORELINE

RGE. VARIES

MATCHLINE SHEET NO. 17 STA. 8+00 L.I.T.B.

MATCHLINE SHEET NO. 15 STA. 33+00 FISHERMAN'S CHANNEL

RGE.00
RGE.200
RGE.400

Y 522,500
Y 522,000
Y 521,500
Y 521,000
Y 520,500

42

LUMMUS ISLAND TURNING BASIN
AZ-51-21-48

FISHERMAN'S CHANNEL
AZ-51-21-48

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1.REFER TO SURVEY NO.10-142.
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. Revised Date

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

Job No. 96-050-01-P-0000
Date: 00 00 0000
Scale: AS SHOWN
Plot date: 00 00 0000
Plot scale: 0000

Designed by: CHS
Dwn by: CHS
Chk by: JCT

Date: SEP 2010
D.O.FILE NO. XXX-XX,XXX

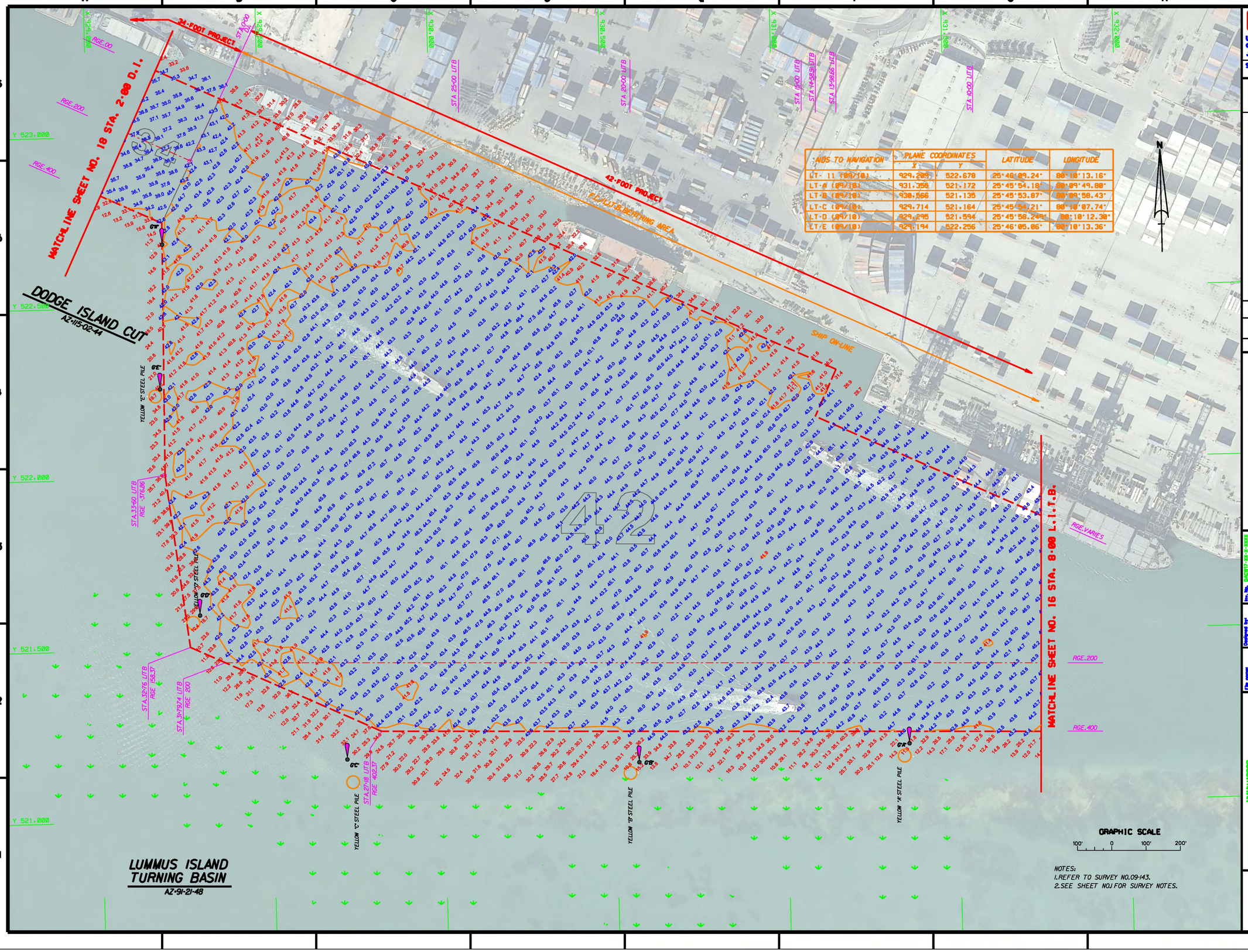
File name: 0-142DRILLING
Reference files: BORINGS
0-142PLACEMENT
0-142PLACEMENT
CONC2005

MANATEE COUNTY
MAP, FLORIDA

EXAMINATION SURVEY FY10
34, 35, 42 & 44-FOOT PROJECT
STA.33+00 FISHERMAN'S CHANNEL, THRU
STA.8+00 LUMMUS ISLAND TURNING BASIN
PLAN

DRAWING NO.
16/18

SHEET 16 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-11 (09/10)	929.205	522.678	25°46'09.24"	80°10'13.16"
LT-A (09/10)	931.358	521.172	25°45'54.18"	80°09'49.80"
LT-B (09/10)	930.566	521.135	25°45'53.87"	80°09'58.43"
LT-C (09/10)	929.714	521.164	25°45'54.21"	80°10'07.74"
LT-D (09/10)	929.295	521.594	25°45'58.248"	80°10'12.30"
LT-E (09/10)	929.194	522.256	25°46'05.06"	80°10'13.36"

NOTES:
1. REFER TO SURVEY NO.09-143.
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. DACW17-XX-X-XXXX
Contract XX XXX XXXXX
Scale: AS SHOWN
Plot date: XXXX

Designed by: WMJ
Dwn by: JWT
Ckd by: JWT

Date: SEP 2009
D.O.FILE NO. XXX-XX.XXX

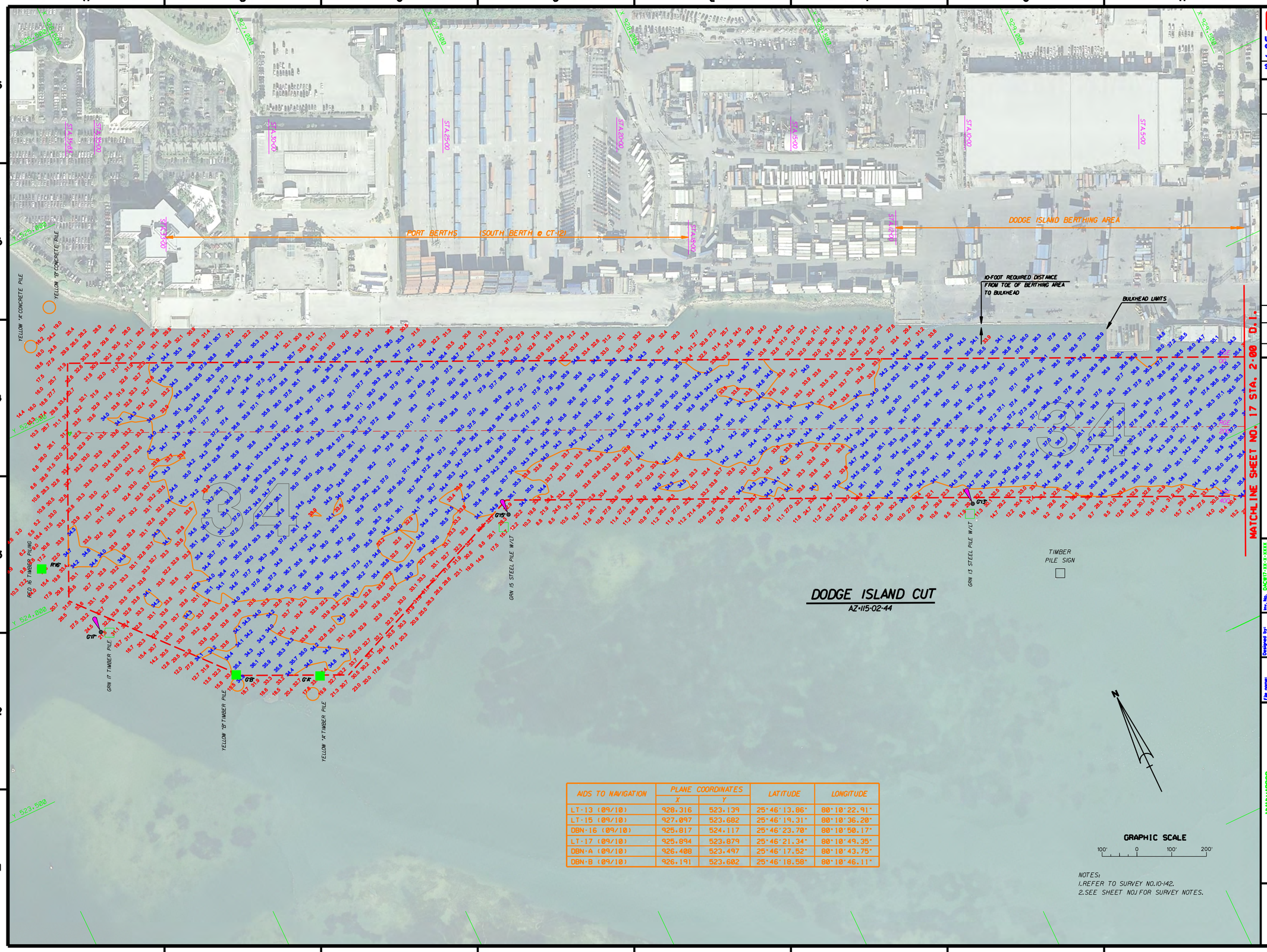
File name: 09-14.35W17.DGN
Reference files: 09-143.DGN, 09-143-SHEET.DGN, E100_SEP-2009.DGN, 09-14 BATHY.DGN, 09-14 SOL.DGN, 09-14 TOPO.DGN, CONF2.DGN

MIAMI HARBOR
MIAMI, FLORIDA

PROJECT CONDITION SURVEY
34, 36, 42 & 44-FOOT PROJECT
STA. 8+00 LUMMUS ISLAND TURNING BASIN THRU STA. 2+00 DODGE ISLAND CUT
PLAN

DRAWING NO.
17/18

SHEET 17 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (09/10)	928.316	523.139	25°46'13.86"	80°10'22.91"
LT-15 (09/10)	927.097	523.682	25°46'19.31"	80°10'36.20"
DBN-16 (09/10)	925.817	524.117	25°46'23.70"	80°10'50.17"
LT-17 (09/10)	925.894	523.879	25°46'21.34"	80°10'49.35"
DBN-A (09/10)	926.408	523.497	25°46'17.52"	80°10'43.75"
DBN-B (09/10)	926.191	523.602	25°46'18.58"	80°10'46.11"

NOTES:
1. REFER TO SURVEY NO.10-142.
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: WRJ
Dwn by: WRP
Ckd by: DKT

Dated: SEP 2010
D.O.FILE NO. XXX-XX.XXX

File name: 10-142SHEB.DGN
Reference files: 8100098.DGN
C100-B3-CHKB.DGN
10-142D.DGN
10-142NAV.DGN
10-142E-XC.DGN
CON34.DGN

MIAMI HARBOR
MIAMI, FLORIDA
EXAMINATION SURVEY FY10
34, 36, 42 & 44-FOOT PROJECT
STA. 2+00 THRU STA. 35+78 DODGE ISLAND CUT
PLAN

DRAWING NO.
18/18

SHEET 18 OF 18