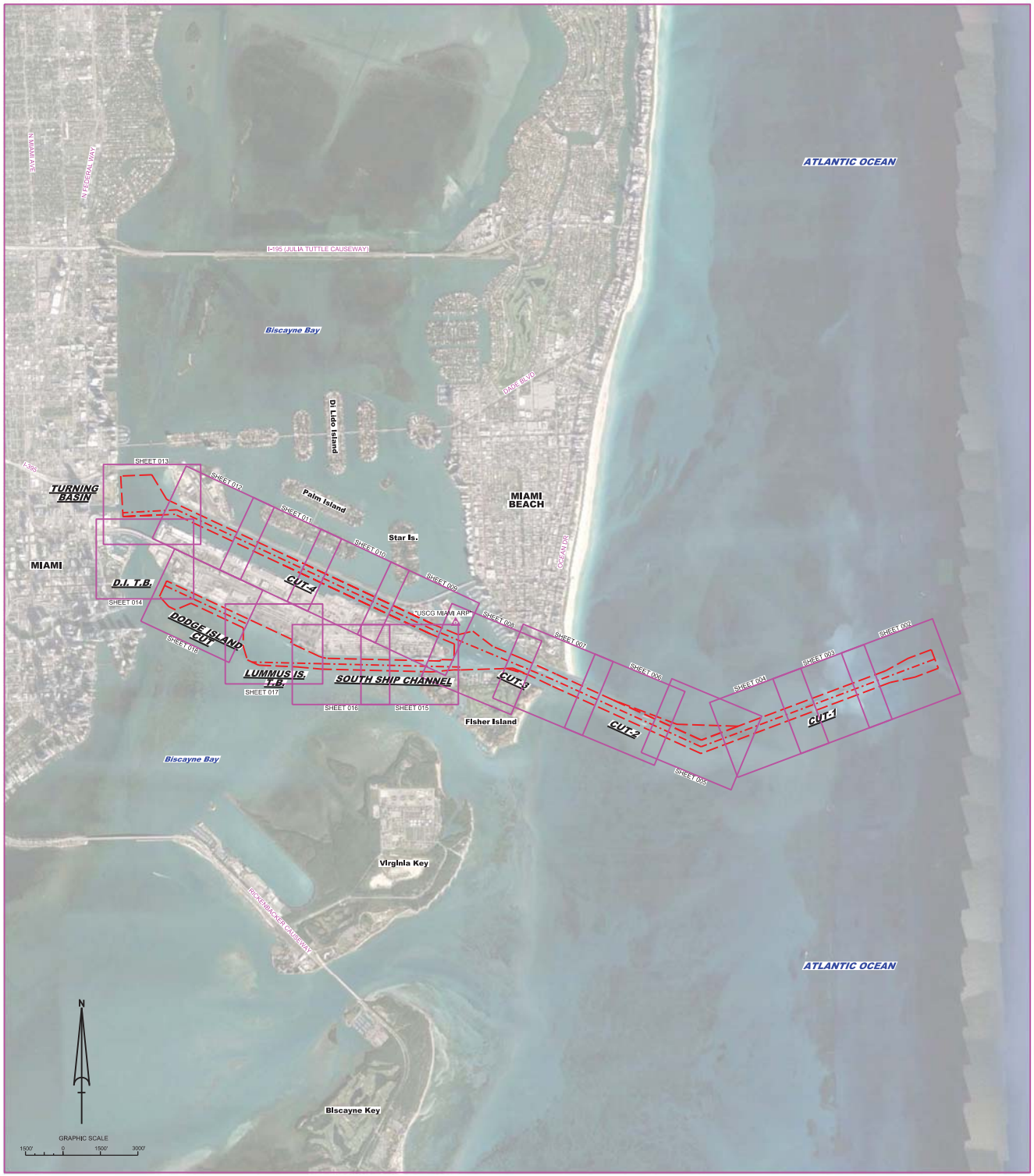
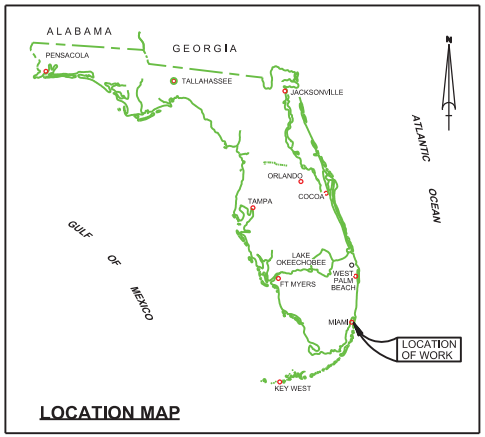




LOCATION MAP

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15

SURVEY NOTES

1. REFER TO SURVEY NO. 15-168.
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. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "MIAMI-HBR&RIV-03AUG2010.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983, REALIZATION OF 2007 (NAD83(2007)).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "USCG MIAMI ARP" (PID: BBDD68)

   TIDE STAFF SET NEAR BAYSIDE MARINA FROM "MH 16 RM 1" (PID: AC2178)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:

   NOAA TIDAL STATION 872-3165 MIAMI BISCAYNE BAY, FLORIDA FOR ALL CUTS.
9. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC MODEL 2024 MULTI-BEAM SYSTEM AND A ROSS MODEL 835 SMART SOUNDER WITH A DUAL-FREQUENCY (28/200 KHZ) TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV FLORIDA II	08 AUG 2015	DODGE ISLAND CUT & T.B.
SV FLORIDA II	15 SEP 2015	CUT-4 AND T.B.
SV FLORIDA II	16 SEP 2015	CUTS 3 AND 4
SV-FLORIDA II	17 SEP 2015	SOUTH SHIP CHANNEL
SV-FLORIDA II	19 SEP 2015	CUTS 1 AND 2
SV-FLORIDA II	20 SEP 2015	LUMMUS ISLAND T.B., SOUTH SHIP CH.
SB-36	26-27 SEP 2015	LUMMUS ISLAND T.B., SOUTH SHIP CH.

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. 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.
12. 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, 30 NOV 13 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 10.

LEGEND	
	GPS MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By	Date

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

Chk'd/Apvd by: JDC
Drawn by: JDC
Proj. No.: MIAMI-HBR-A-XXXX
Date: AUG 2015

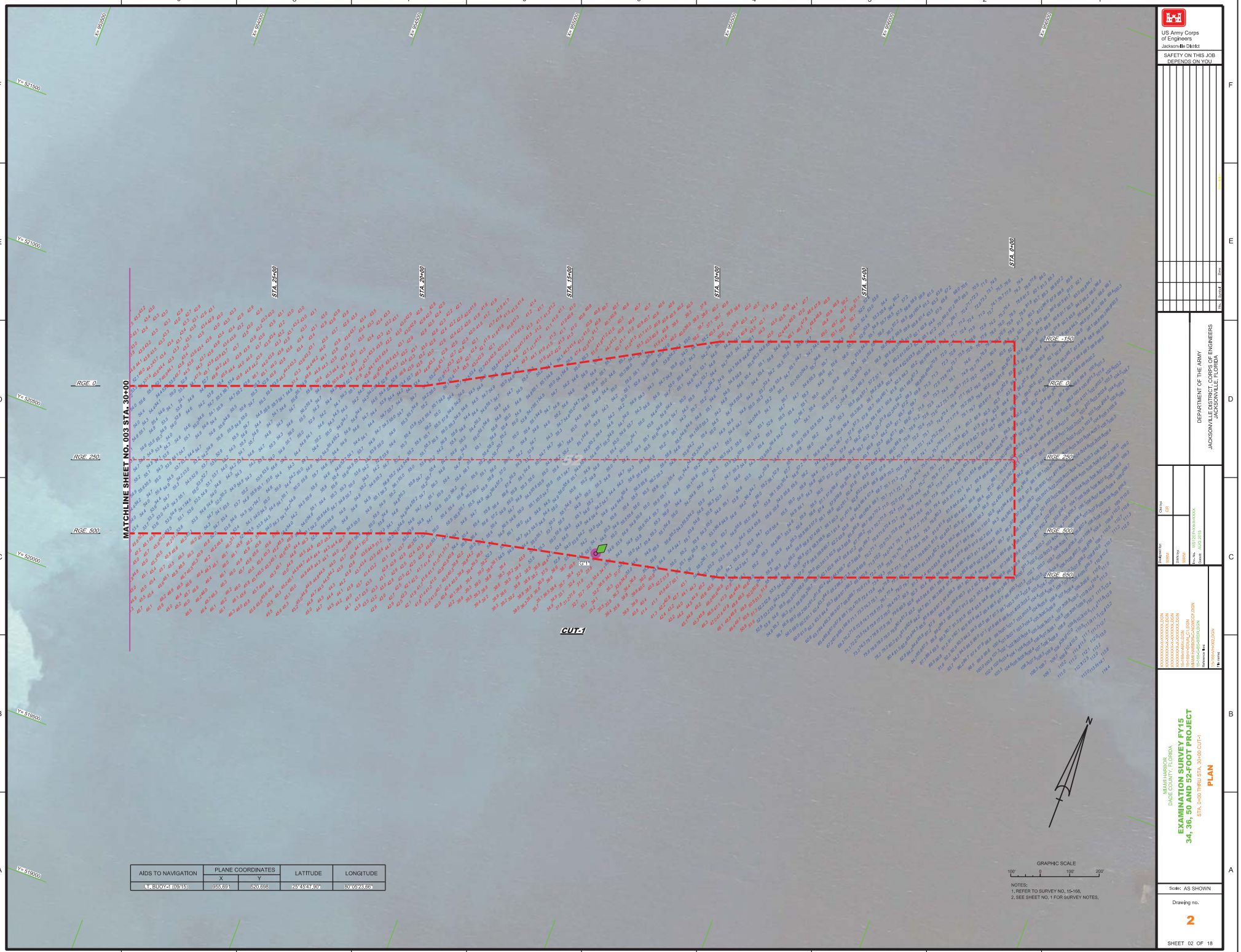
CD-1052-MIDTA.DGN
MIAMI-HBR&RIV-03AUG2010.KTD
10-1052-CB-MIDTA.DGN
Reference files:
TD-1052-XXX01.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (09/15)	955.691	520.698	25°45'47.80"	80°05'23.66"

NOTES:
1. REFER TO SURVEY NO. 15-168.
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

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

Designed by: VFRM
Drawn by: VFRM
Date: AUG 2015
Checked by: DR

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
15-168-X-NAV.DGN
15-168-X-SOUN_C1.DGN
MIAMI HARBOR-C-NOMCCF.DGN
15-168-C-BS-BRDR.DGN
Reference files:
15-168-H-HH-002.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 0+00 THRU STA. 30+00 CUT-1

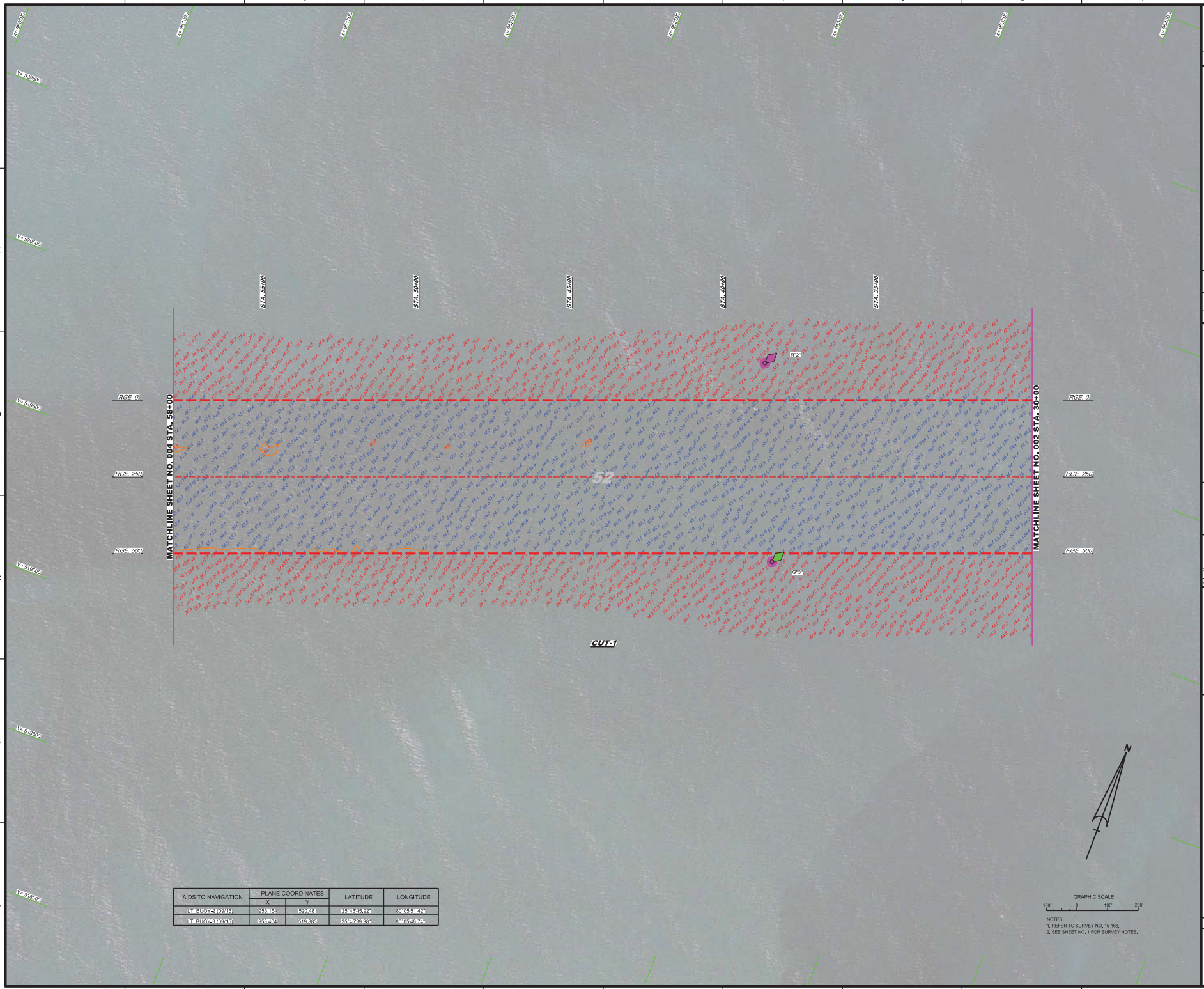
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY "2" (09"15)	953.154	520.481	25°45'45.02"	80°09'51.42"
LT. BUOY "3" (09"14)	954.405	519.883	25°45'39.88"	80°09'48.74"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By

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

Checked: RJC
Drawn by: JPREZ
Proj. No.: WP2015-XXX-XXXX
Date: AUG 2015

XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
15-168-XX.DGN
15-168-XX-SURVEY.DGN
15-168-XX-SURVEY_CTL.DGN
15-168-XX-SURVEY_CTL_CUT.DGN
15-168-XX-BASE.DGN
15-168-XX-SURVEY_CUT.DGN
15-168-XX-BASE-REF.DGN
References:
File Name: 15-168-XX-XXXX.DGN

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 39+00 THRU STA. 58+00 CUT-1
PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 03 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-4 (09/15)	950,245	519,325	25°45'34.68"	80°06'23.33"
LT. BUOY-05 (09/15)	949,451	518,417	25°45'25.74"	80°06'32.08"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-168.
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

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

Designed by: WRM
Ckd by: GR
DWN by: WRM
Inv. No. W912EP-XX-X-XXXX
Dated: AUG 2015

Reference files:
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
15-168-V-CON52.DGN
15-168-V-NAV.DGN
15-168-V-SOUN_C1.DGN
MIAMI HARBOR-C-NGMCCF.DGN
15-168-G-BS-BRDR.DGN

File name: 15-168-VH-004.DGN

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

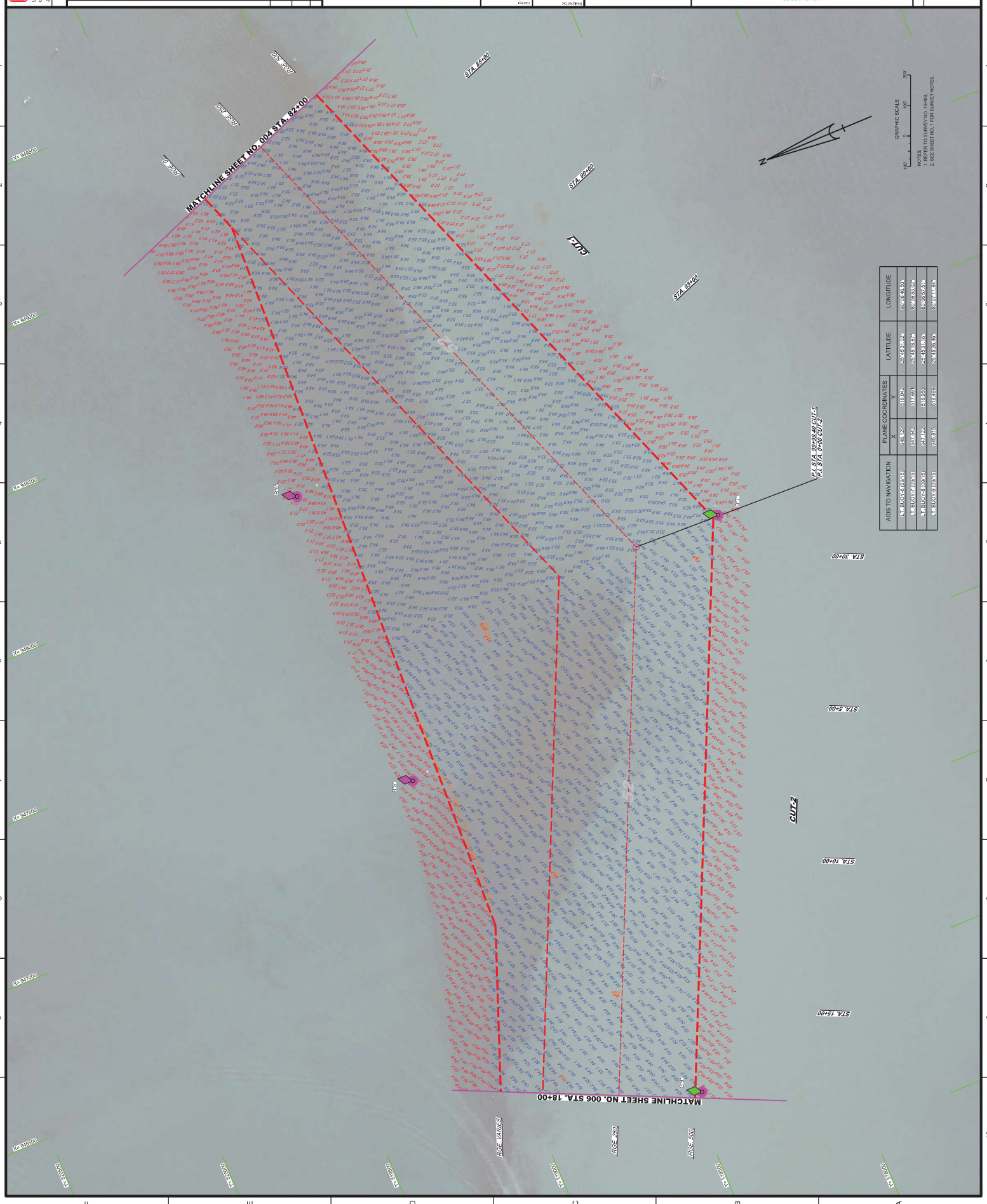
STA. 58+00 THRU STA. 82+00 CUT-1

PLAN

Scale: AS SHOWN

Drawing no. 4

SHEET 04 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY 2 (109-15)	948,425	518,942	25°45'31.002"N	80°06'46.826"W
LT. BUOY 4 (109-15)	947,541	517,691	25°45'30.967"N	80°06'58.870"W
LT. BUOY 2 (109-15)	947,422	518,950	25°45'31.181"N	80°06'57.945"W
LT. BUOY 2 (109-15)	945,815	518,466	25°45'29.458"N	80°07'18.824"W

Designed by:	Check list:
PWM	DR
Drawn by:	Check:
PWM	MJD 2015
Traced by:	Date:

15-169-V-CONS2.DGN	
15-169-V-MAJ.DGN	
15-169-V-SOUN_C1.DGN	
15-169-C-SEDIMENT.DGN	
15-169-C-SURVEY_PLAN.DGN	
15-169-V-CONS2.DGN	

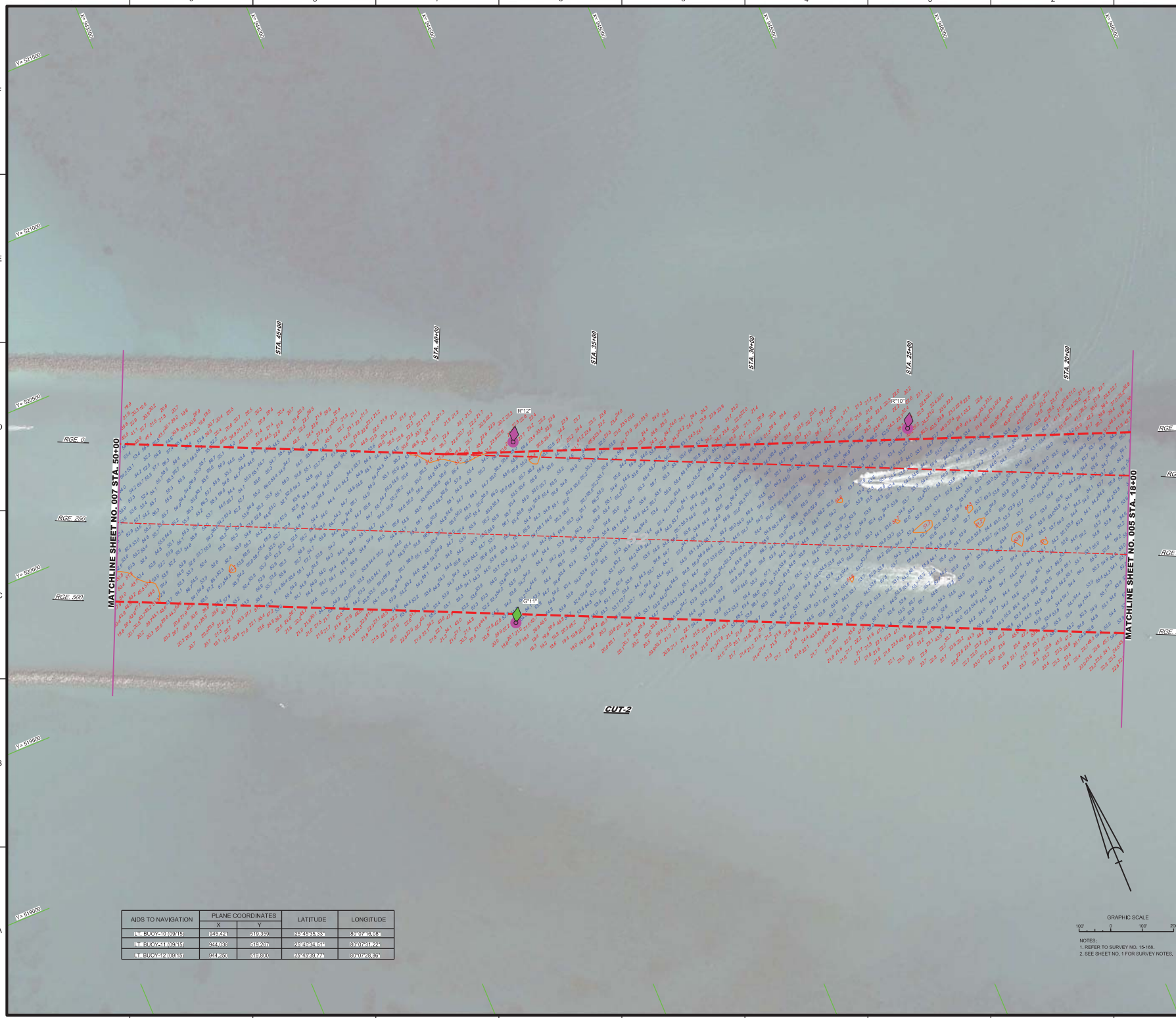
MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 82+00 CUT-1 THRU STA. 18+00 CUT-2
PLAN

Scale: AS SHOWN
Drawing no. 5
SHEET 05 OF 18

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

US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
EVERY DAY AND EVERY HOUR

No.	Revised	Zone	Date



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (09/15)	945,421	519,359	25°45'35.35"	80°07'16.08"
LT. BUOY-11 (09/15)	944,038	519,267	25°45'34.51"	80°07'31.22"
LT. BUOY-12 (09/15)	944,250	519,800	25°45'39.77"	80°07'28.85"

NOTES:
1. REFER TO SURVEY NO. 15-168.
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

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

Designed by: WRM
Drawn by: WRM
Checked by: DR
Plot Date: AUG 2015
File No. W912BN-XX-X-XXXX

15-168-N-CONS2.DGN
15-168-N-NAV.DGN
15-168-N-SOUN_C2.DGN
MIAMI HARBOR-CADMDCF.DGN
15-168-C-BS-BRDR.DGN
Reference files:
15-168-N-DOB.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

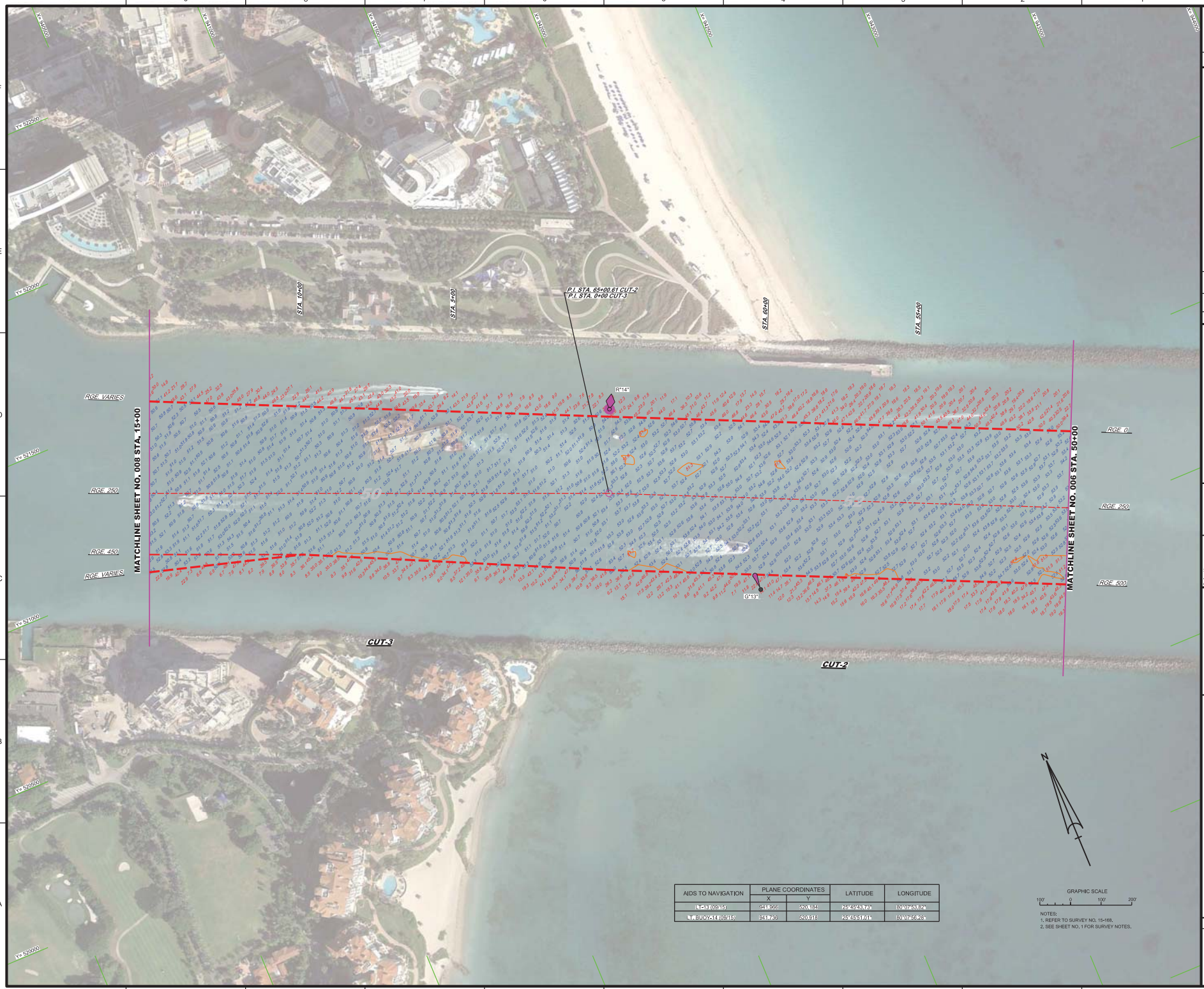
STA. 18+00 THRU STA. 50+00 CUT-2

PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (09-15)	841,866	820,184	25°45'43.73"	80°07'53.82"
LT-BUOY-14 (09-15)	841,736	820,618	25°45'51.01"	80°07'56.26"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By

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

Checked: RJC
Drawn by: JPREZ
Project No.: W912EP-15-X-XXXX
Date: AUG 2015

Reference files:
15-168-X-CONSOL.DGN
15-168-X-CONSOL2.DGN
15-168-X-CONSOL3.DGN
15-168-X-DETAIL.DGN
15-168-X-MISCELLANEOUS.DGN
15-168-X-MISCELLANEOUS2.DGN
10-168-C-BEACHES.DGN
Reference text:
TS-168-X-SURVEY.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

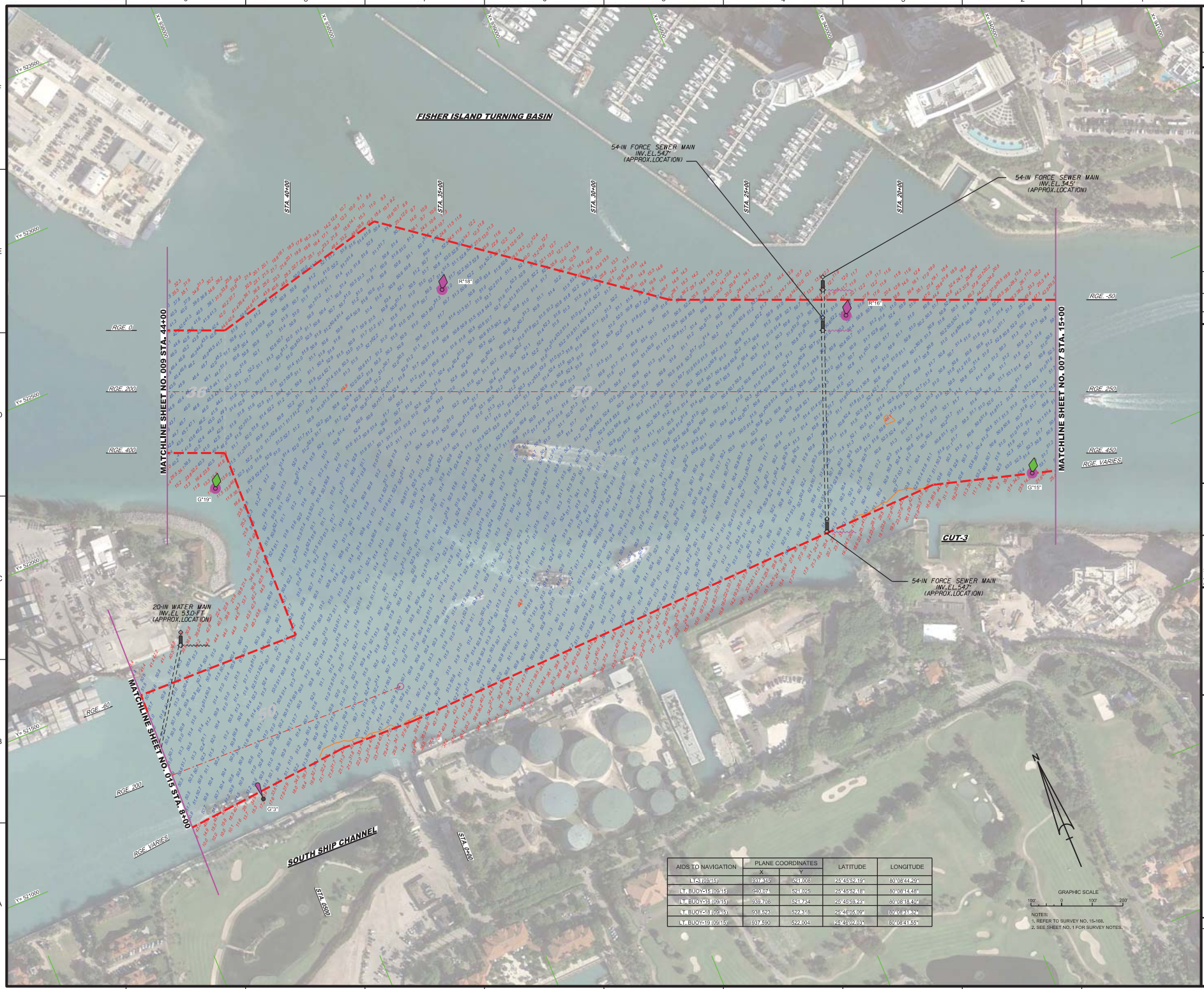
STA. 50+00 CUT-2 THRU STA. 15+00 CUT-3

PLAN

Scale: AS SHOWN

Drawing no.
7

SHEET 07 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (09/15)	937,345	521,008	25°45'52.19"	80°08'44.29"
LT. BUOY-15 (09/15)	940,074	521,025	25°45'52.18"	80°08'14.48"
LT. BUOY-16 (09/15)	939,708	521,734	25°45'59.23"	80°08'18.49"
LT. BUOY-18 (09/15)	938,523	522,318	25°46'05.09"	80°08'31.32"
LT. BUOY-19 (09/15)	937,590	522,004	25°46'02.03"	80°08'41.55"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-168.
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

Date/Sc: AS
Designed: JDSC
Drawn by: JDSC
Path No.: W:\PDS\Civ\x-XXX\DK
Date: AUG 2015

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 15+00 THRU STA. 44+00 CUT-3 AND
STA. 0+00 THRU STA. 14+00 SOUTH SHIP CHANNEL

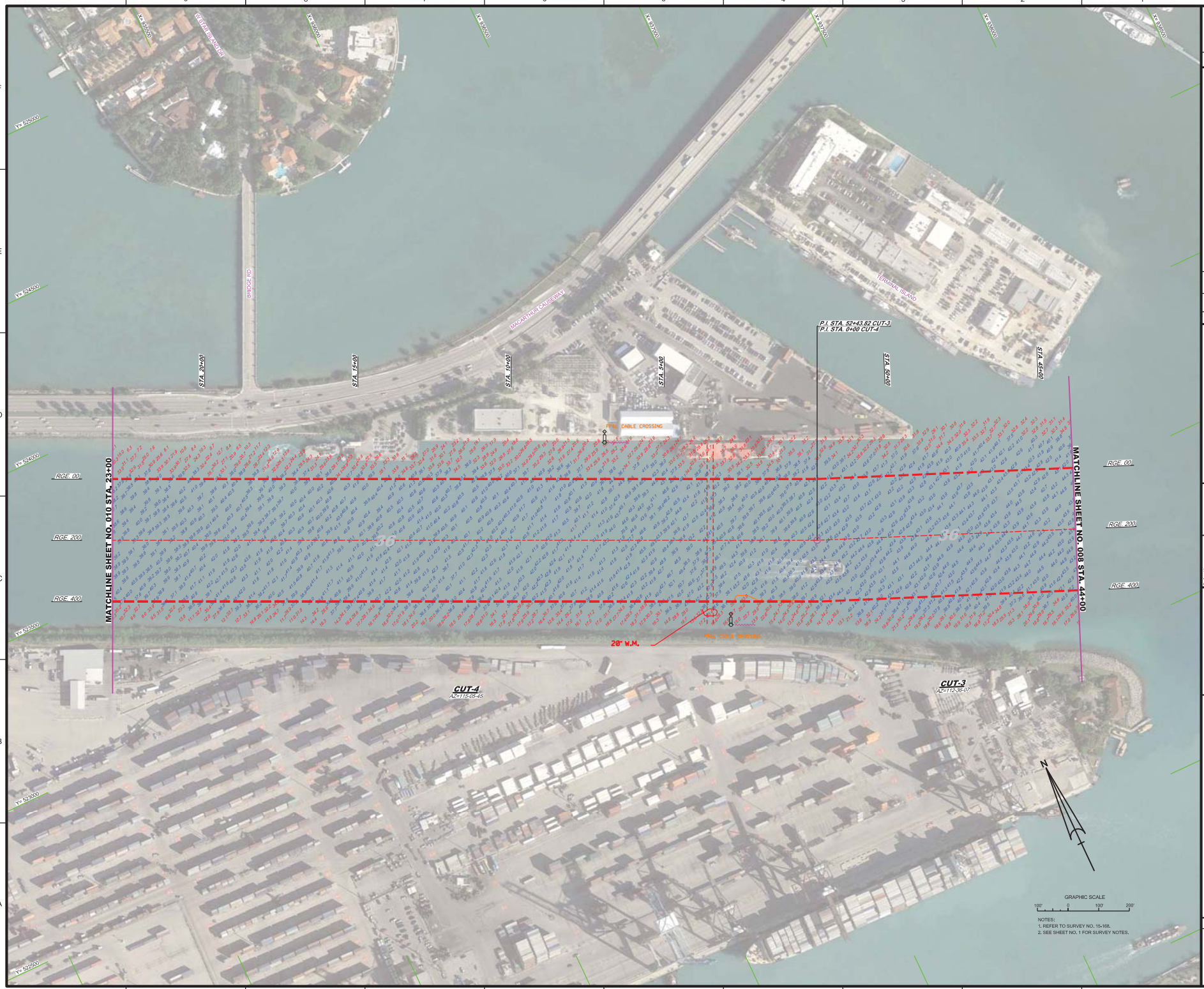
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 18



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
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 44+00 CUT-3 THRU STA. 23+00 CUT-4

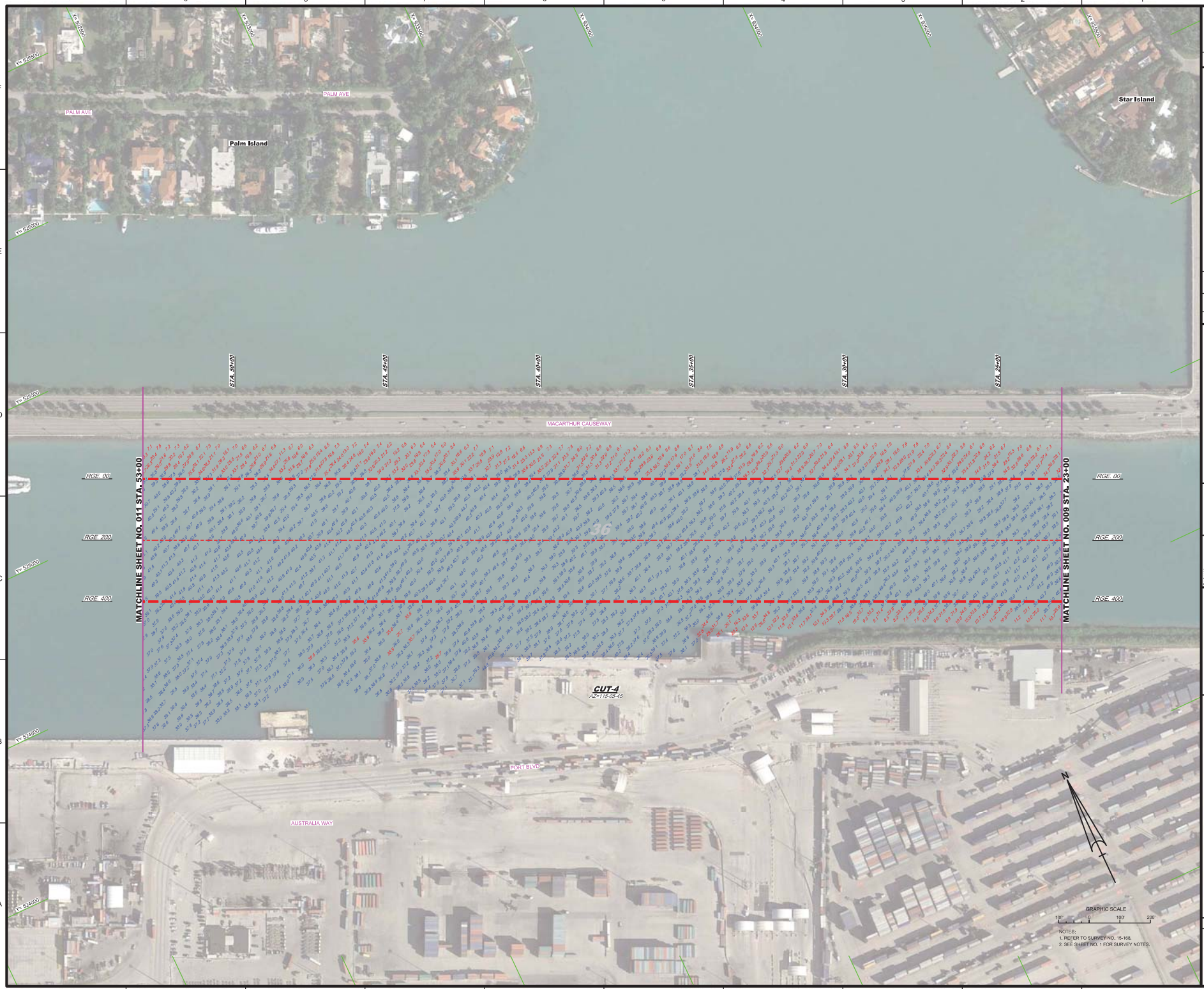
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 18



NOTES:
1. REFER TO SURVEY NO. 15-168.
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

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

Designed by: VRM
Drawn by: VRM
Ckd by: DR
File No. W912EP-XX-X-XXXX
Date: AUG 2015

15-168-XS-SOUN_CA.DGN
MIAMI HARBOR-C-NOMCCF.DGN
15-168-C-BIS-BRDR.DGN
Reference Files:
15-168-PH-010.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

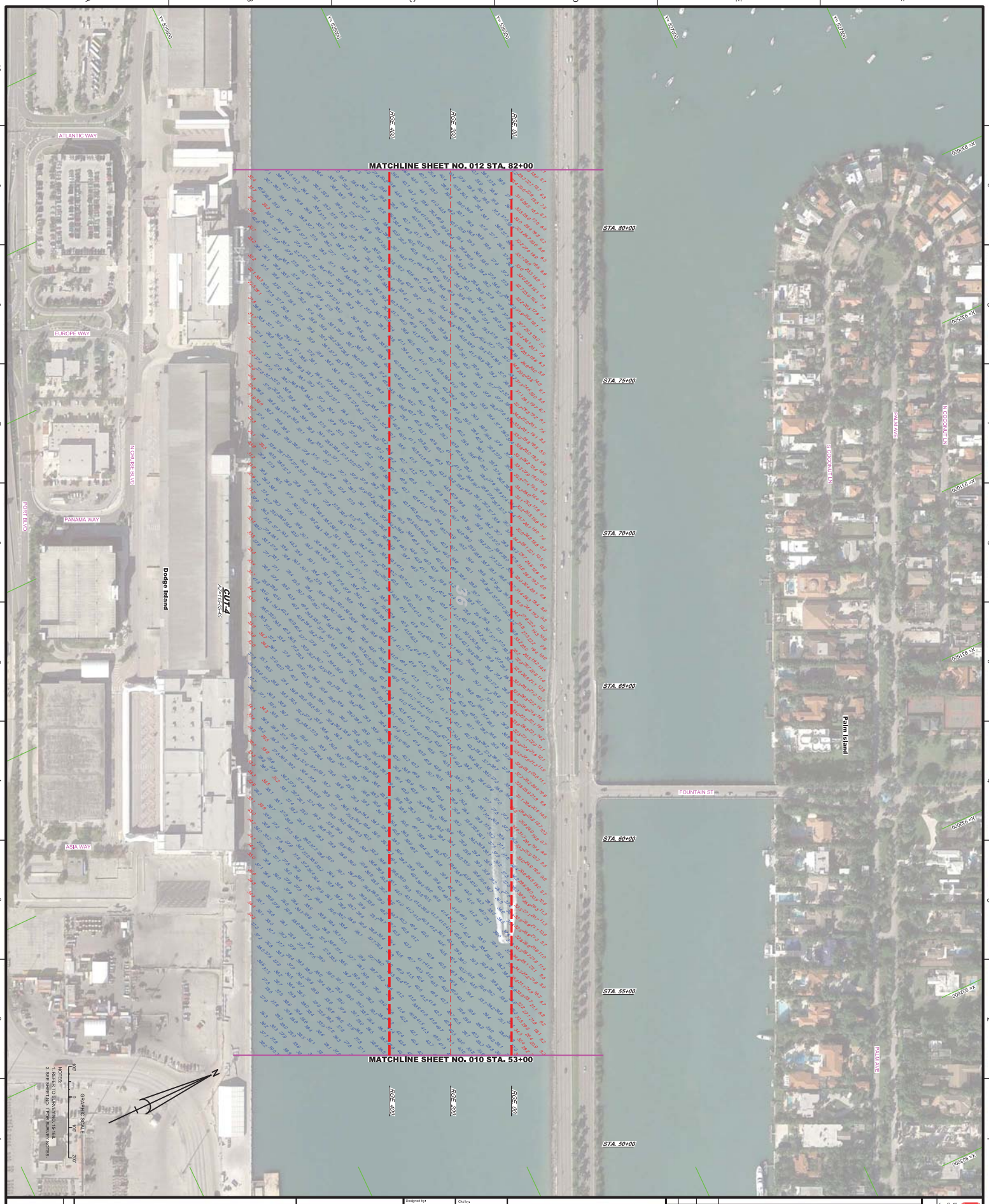
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 23+00 THRU STA. 53+00 CUT-4

PLAN

Scale: AS SHOWN

Drawing no.
10

SHEET 10 OF 18



MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 53+00 THRU STA. 82+00 CUT-4

PLAN

15-168-V-99UN_C4.DGN
MIAMI HARBOR-CANDMCCF.DGN
15-168-G-BS-SHDR.DGN
Reference files

15-168-MH-011.DGN
File name

Designed by:	Cad by:
WRM	GR
DWN by:	
WRM	
Proj. No.	W912EP-XX-X-XXXX
Dated:	AUG 2015

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

No.	Symbol	Zone	Revision

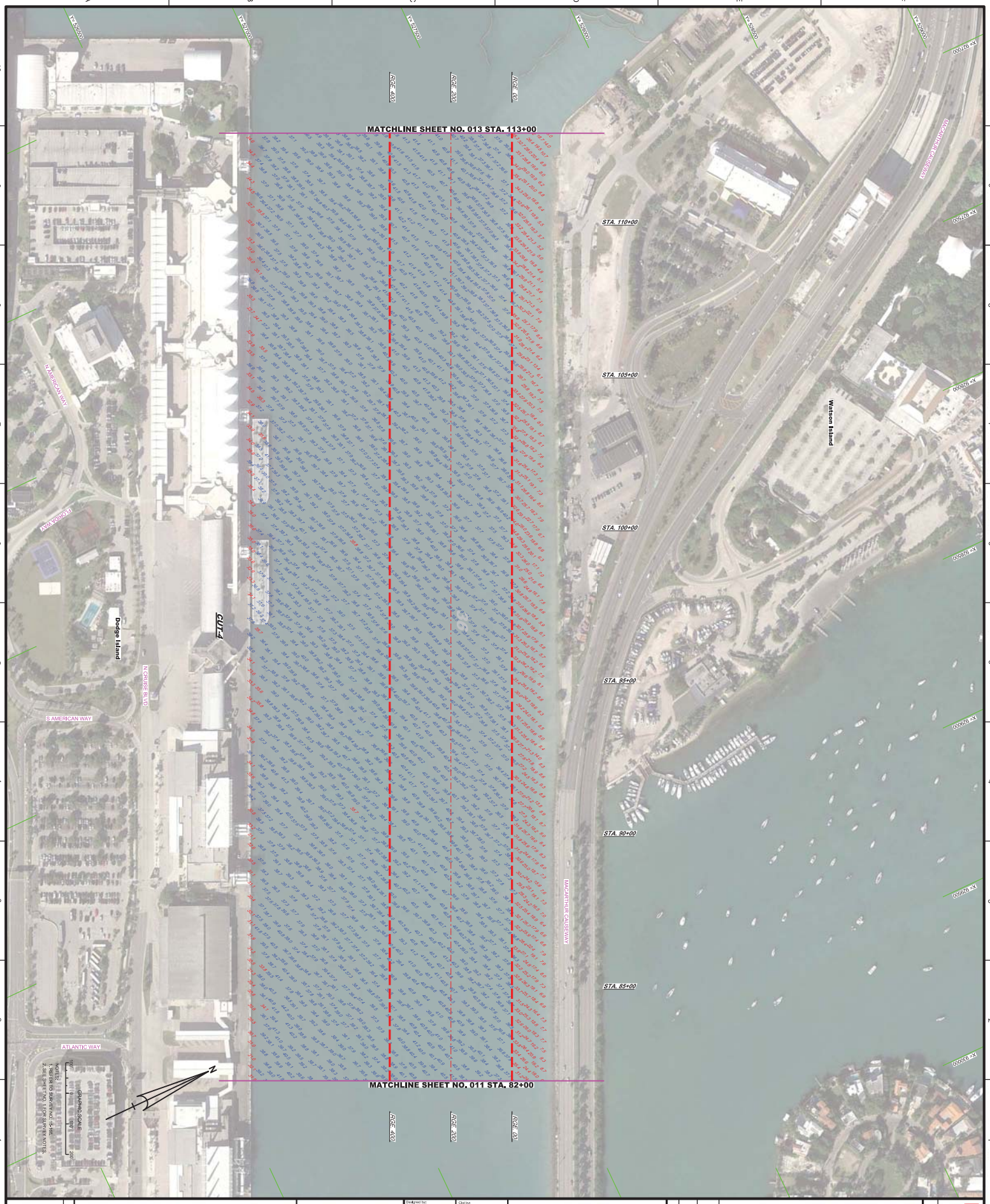
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Drawing no. **11**

SHEET 11 OF 18

Scale: AS SHOWN



MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 82+00 THRU STA. 113+00 CUT-4

PLAN

SHEET 12 OF 18

Drawing no. 12

Scale: AS SHOWN

15-168-V-SOUN_C4.DGN
MIAMI HARBOR-C-NGMCCF.DGN
15-168-G-BS-BRDR.DGN
Reference files
15-168-MH-012.DGN
File name

Designed by: WRM
Cad by: GR
DWN by: WRM
Proj. No.: W912EP-XX-X-XXXX
Date: AUG 2015

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

No.	Symbol	Zone	Revision

SAFETY ON THIS JOB DEPENDS ON YOU

US Army Corps of Engineers
Jacksonville District

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-50 (09/15)	925,548	527,375	25°46'54.61"	80°10'52.91"
LT-A (09/15)	925,897	528,241	25°47'04.35"	80°10'49.02"
LT-B (09/15)	925,386	528,827	25°47'10.38"	80°10'54.57"
LT-C (09/15)	924,582	528,618	25°47'08.36"	80°11'03.37"
LT-D (09/15)	924,370	527,909	25°47'01.35"	80°11'05.74"
LT-E (09/15)	924,868	527,275	25°46'55.04"	80°11'00.34"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By

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

Cad No: DUT
Drawn by: JPREC
Chk'd by:
File No.: W912EP-24-X-XXXX
Date: AUG 2015

15-1664-CONVEN.DGN
15-1664-XAV1.DGN
15-1664-GEOM_CAD.DGN
15-1664-MATCHLINE-SHEET.DGN
15-1664-HB-HERN.DGN
Reference files:

TX-1664-XH13.DGN
File No.:

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

STA. 113+00 CUT-4 THRU STA. 21+76.44 TURNING BASIN

PLAN

NOTES:
1. REFER TO SURVEY NO. 15-166.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 18

NOTES:
1. REFER TO SURVEY NO. 15-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-16 (09/15)	925.823	521.146	25°46'23.99"	80°10'50.10"
DBN-A (09/15)	926.070	524.711	25°46'29.57"	80°10'47.37"
DBN-B (09/15)	926.171	524.771	25°46'30.16"	80°10'46.26"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: WRM
Drawn by: WRM
Checked by: DVT
Plot Date: AUG 2015
Plot Scale: 1:1
Reference files: 15-168-AV-CONS04.DGN, 15-168-A-NAV.DGN, 15-168-AV-SOUN_01.DGN, MIAMI HARBOR-C-NOMCCF.DGN, 15-168-C-BS-BRDR.DGN
Reference files: 15-168-AV-016.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

WEST BERTHING AREA

PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 18

NOTES:
1. REFER TO SURVEY NO. 15-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (09/15)	935,932	521,016	25°45'52.35"	80°08'59.75"

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: GR
Inv. No.: W912EP-XX-X-XXXX
Date: AUG 2015

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 8+00 THRU STA. 33+00 SOUTH SHIP CHANNEL
PLAN

Scale: AS SHOWN
Drawing no. 15
SHEET 15 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY 7 (09-15)	532,065	521,109	25°45'55.40"	80°09'10.15"
LT. BUOY 9 (09-15)	532,283	521,121	25°45'53.63"	80°09'08.88"

NOTES:
1. REFER TO SURVEY NO. 15-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revisions	By

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

Checked by: [illegible]
Drawn by: [illegible]
Project No.: XXXXXXXX-XXXXX
Date: AUG 2015

XXXXXXXX-XXXXXXXX.DGN
10-168-XXXXXXXX-XXXX.DGN
10-168X-CONSOL.DGN
15-168-XXXXXX_SHT.DGN
15-168X-GEOM_SHT-CRTB.DGN
10-168X-GEOM_SHT-CRTB_SB.DGN
10-168X-GEOM_SHT-CRTB_LIT.DGN
10-168-CB-BERM.DGN
Reference files:
15-168-XXXXXX.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 33+00 SOUTH SHIP CHANNEL THRU STA. 6+00 LUMMUS ISLAND TURNING BASIN
PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-9A (09/15)	931,352	521,160	25°45'54.07"	80°09'49.84"
LT. BUOY-9B (09/15)	930,575	521,134	25°45'53.86"	80°09'59.34"
LT. BUOY-9E (09/15)	929,193	522,260	25°46'05.10"	80°10'13.38"
LT. BUOY-11 (09/15)	928,178	522,817	25°46'10.62"	80°10'13.50"
YELLOW LT-C (09/15)	929,700	521,181	25°45'54.38"	80°10'07.90"
YELLOW LT-D (09/15)	929,279	521,595	25°45'58.51"	80°10'12.47"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By

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

Chk'd by: RJC
Drawn by: JPREC
Plot Date: AUG 2015
Plot File: W912EP-XX-X-XXXX

MIAMI HARBOR
DADE COUNTY, FLORIDA

EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT

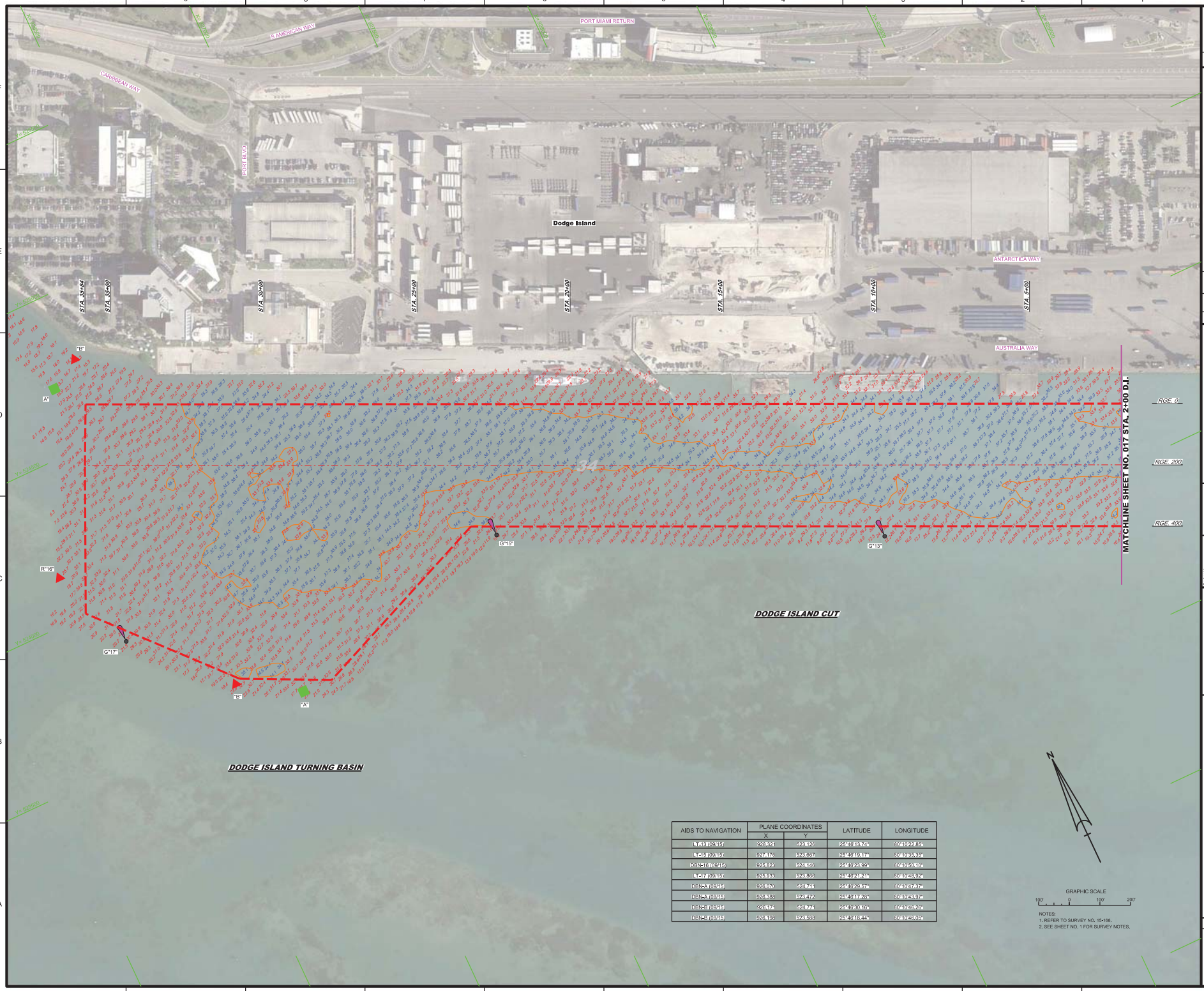
STA. 6+00 THRU STA. 27+85 LUMMUS ISLAND TURNING BASIN &
STA. 0+00 THRU STA. 18+00 DODGE ISLAND

PLAN

Scale: AS SHOWN

Drawing no.
17

SHEET 17 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (09/15)	928,321	523,128	25°46'13.74"	80°10'22.85"
LT-15 (09/15)	927,176	523,667	25°46'19.17"	80°10'35.35"
DBN-16 (09/15)	925,932	524,146	25°46'23.89"	80°10'50.10"
LT-17 (09/15)	924,933	524,566	25°46'27.94"	80°10'48.97"
DBN-A (09/15)	926,070	524,741	25°46'29.57"	80°10'47.37"
DBN-A (09/15)	926,388	523,472	25°46'17.26"	80°10'43.97"
DBN-B (09/15)	926,171	524,774	25°46'30.16"	80°10'46.25"
DBN-B (09/15)	926,189	524,568	25°46'28.44"	80°10'46.05"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-168.
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

Checked by: RC
Drawn by: JPREZ
Plot Date: 9/2/2015
Design: AUG 2015

MIAMI HARBOR
DADE COUNTY, FLORIDA
EXAMINATION SURVEY FY15
34, 36, 50 AND 52-FOOT PROJECT
STA. 2+00 THRU STA. 35+84 DODGE ISLAND CUT
PLAN

Scale: AS SHOWN

Drawing no.
18

SHEET 18 OF 18