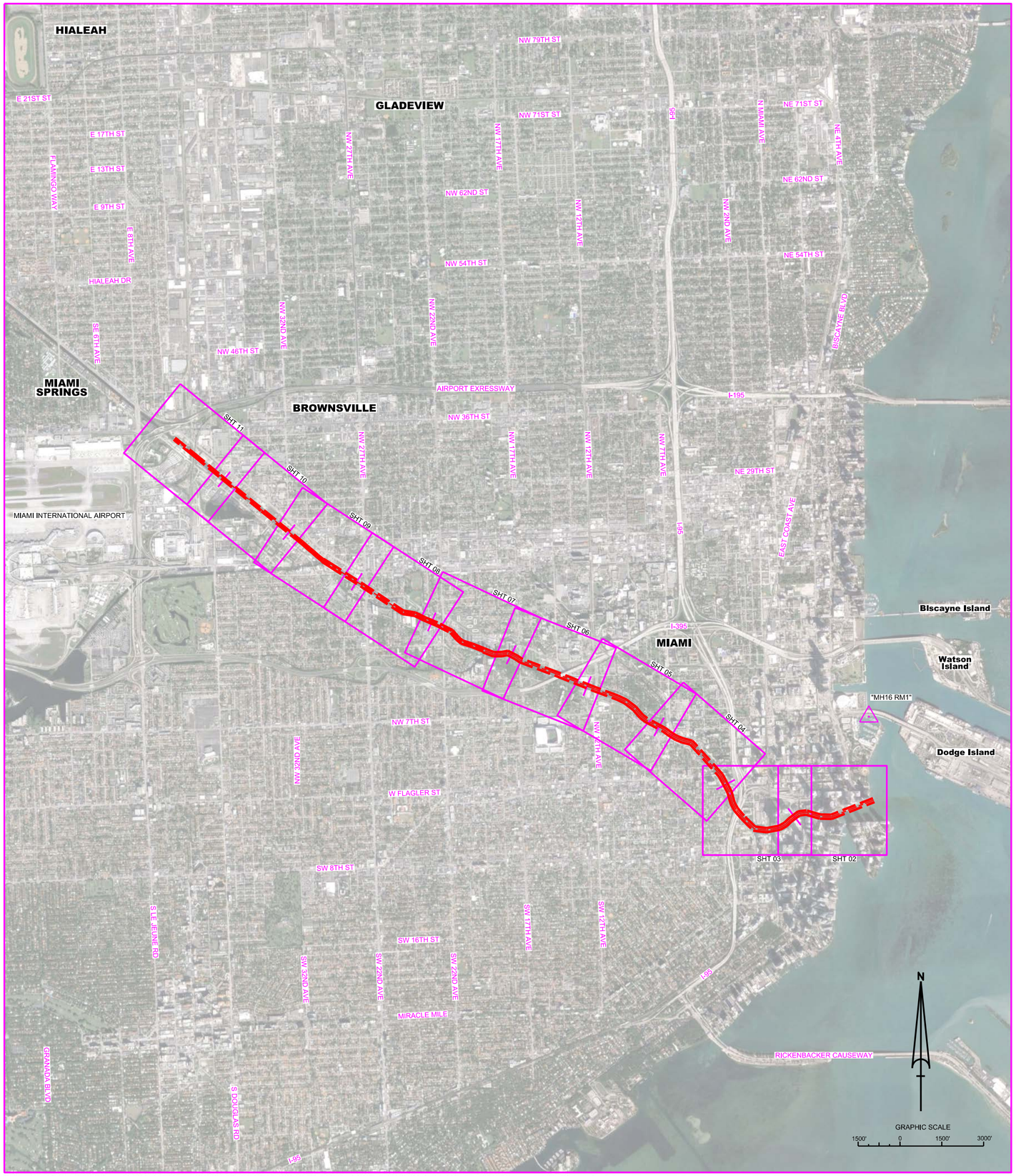
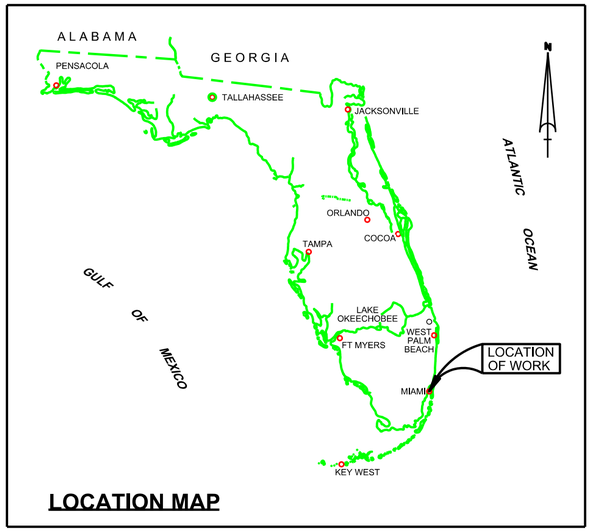




LOCATION MAP

MIAMI RIVER
DADE COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAMINATION SURVEY FY17
15-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 17-025.
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. KINEMATIC TIDE DATUM FILE TITLED: "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 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

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

   TIDE STAFF LOCATED FROM "MH16 RM 1 1962" (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). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:

   NOAA TIDAL STATION "MH 16 RM 1 1962" FOR ALL CUTS (PID: AC2178)
9. VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED MULTI-BEAM AND SIDESCAN TRANSDUCER AND A ROSS 835 SMARTSOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUTS
SB-48	22 FEB 2017	ALL CUTS

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.
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, 30 NOV 2013.

LEGEND	
△	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.	Symbol	Zone	Description

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

Designed by: MRM
Drawn by: MRM
Chk'd by: GMR
Proj. No. V0123EP-XX-XX-XXXX
Date: FEB 2017

X:\XXXXXXXX-XX-XXXX\DGN
XXXXXXXX-XX-XXXXX.DGN
XXXXXXXX-XX-XXXXX.DGN
XXXXXXXX-XX-XXXXX.DGN
XXXXXXXX-XX-XXXXX.DGN
17-025-AIRD.KTD
MIAMIRVRCHAN.DGN
17-025-HR-SB-BRDR.DGN
Reference files
17-025-HR-001.DGN
File name

MIAMI RIVER
DADE COUNTY, FLORIDA
POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (02/17)	924,576	523,262	25°46'15.31"	80°11'03.81"
DBN-03 (02/17)	923,650	523,061	25°46'13.38"	80°11'13.95"

NOTES:
1. REFER TO SURVEY NO. 17-025.
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: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No.: V9123EP-XX-X-XXXX
Date: FEB 2017

17-XXX-XXX-X-XXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
17-025-M-MAV.DGN
17-025-M-MAV-XXXX.DGN
17-025-N-SOUN.DGN
MIAR/VRCHAN.DGN
17-025-C-ESB-BRDR.DGN
Reference files:
17-025-VHS-HOZ.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 0+00 CUT-1 THRU STA. 2+00 CUT-5

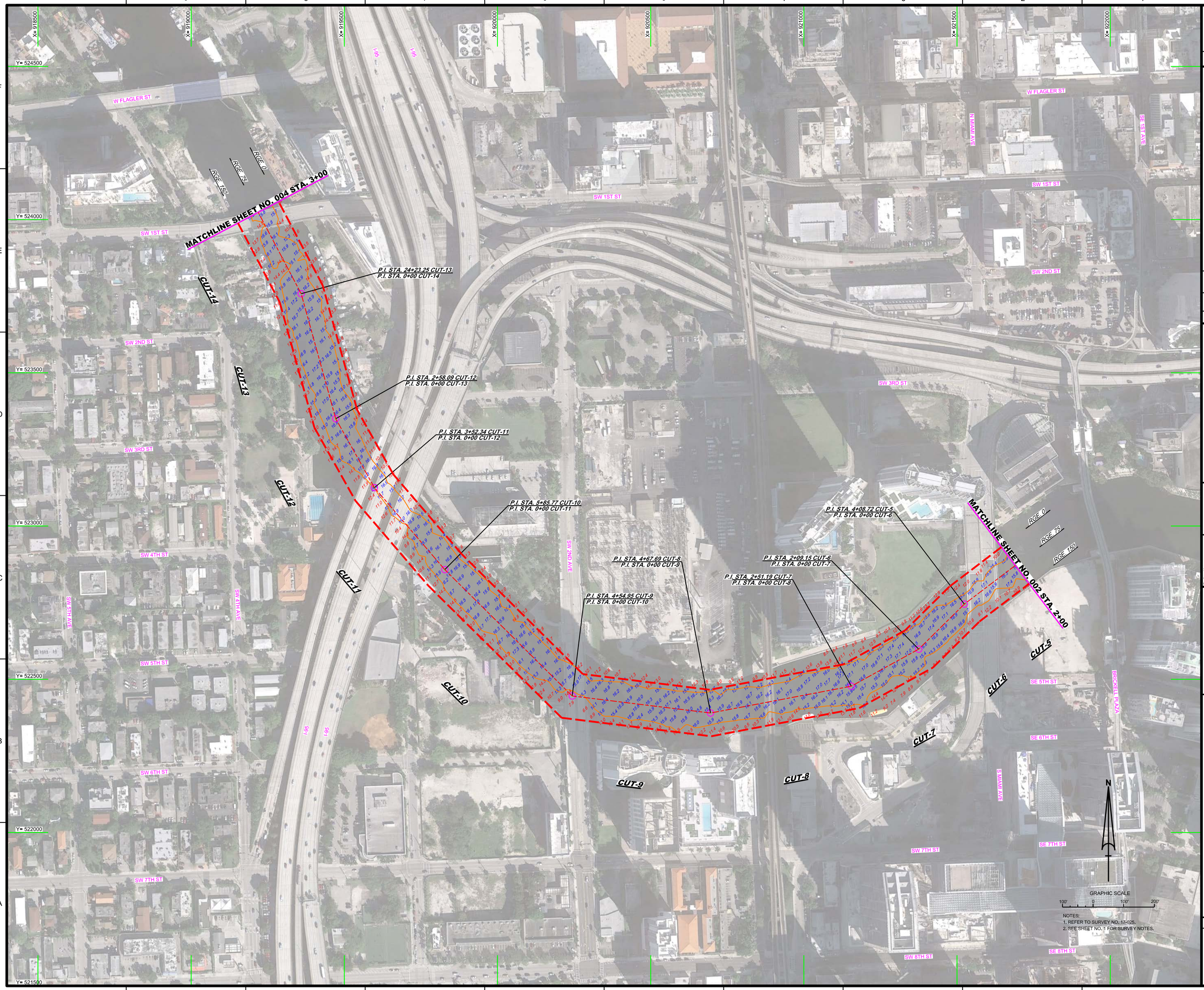
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. V91/2EP>XX>X>XXX
Date: FEB 2017

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-025-XX-SHEET.DGN
17-025-XX-SOUN.DGN
MIAMIVRCHANL.DGN
17-025-CABS-BRDR.DGN
Reference files:
17-025-VH-SH03.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 0+00 CUT-1 THRU STA. 2+00 CUT-5

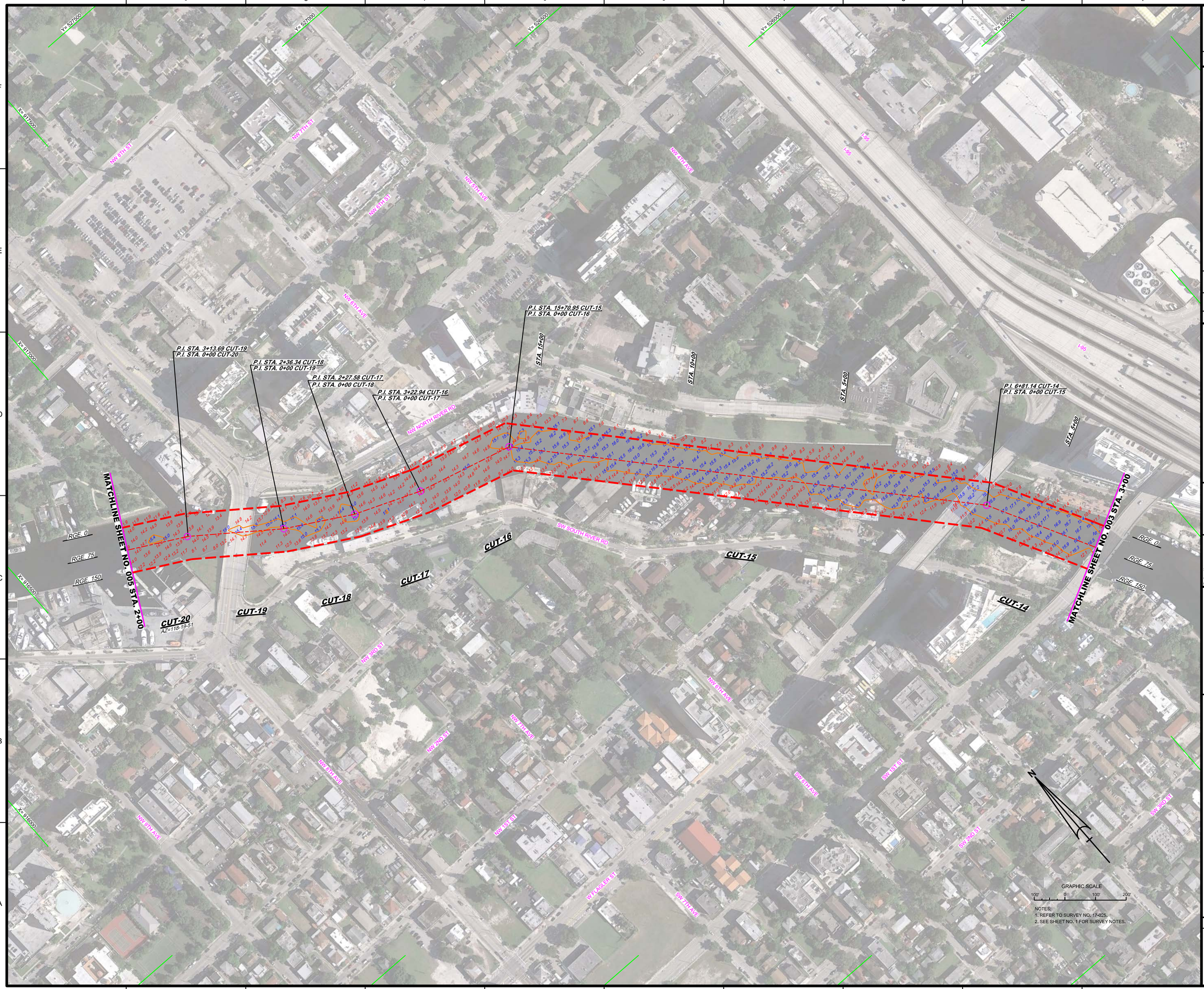
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 11



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: MRM
DWN by: MRM
Ckd by: GMR
Proj. No. V6312EP-XX-XX-XXXX
Date: FEB 2017

X:\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX.DGN
X:\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX.DGN
X:\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX\XXXXXXXX-XXXXXXXX.DGN
17-025-A-SOUN.DGN
MIARIVRCHAN.DGN
17-025-A-BR-BRDR.DGN
Reference files
17-025-A-004.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 3+00 CUT-14 THRU STA. 2+00 CUT-20

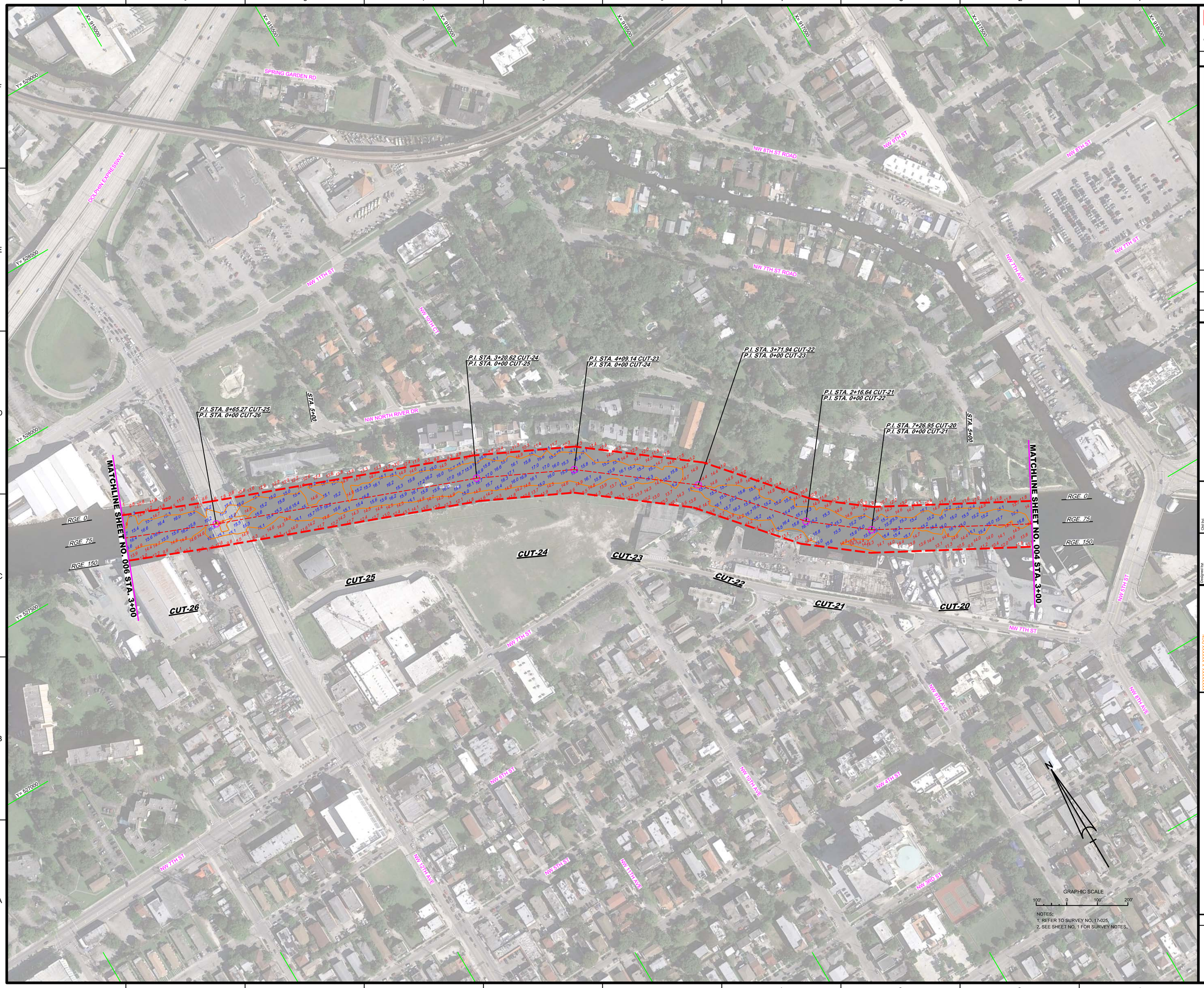
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
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

Drawn by: GMR
Designed by: WRM
DWN by: WRM
Inv. No. W912EP-XX-X-XXX
Date: FEB 2017

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-025-VH-SURVEY.DGN
17-025-VH-SOUN.DGN
MIARIVRCHAN.DGN
17-025-VH-BSGRDR.DGN
Reference files:
17-025-VH-005.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 3+00 CUT-20 THRU STA. 3+00 CUT-26

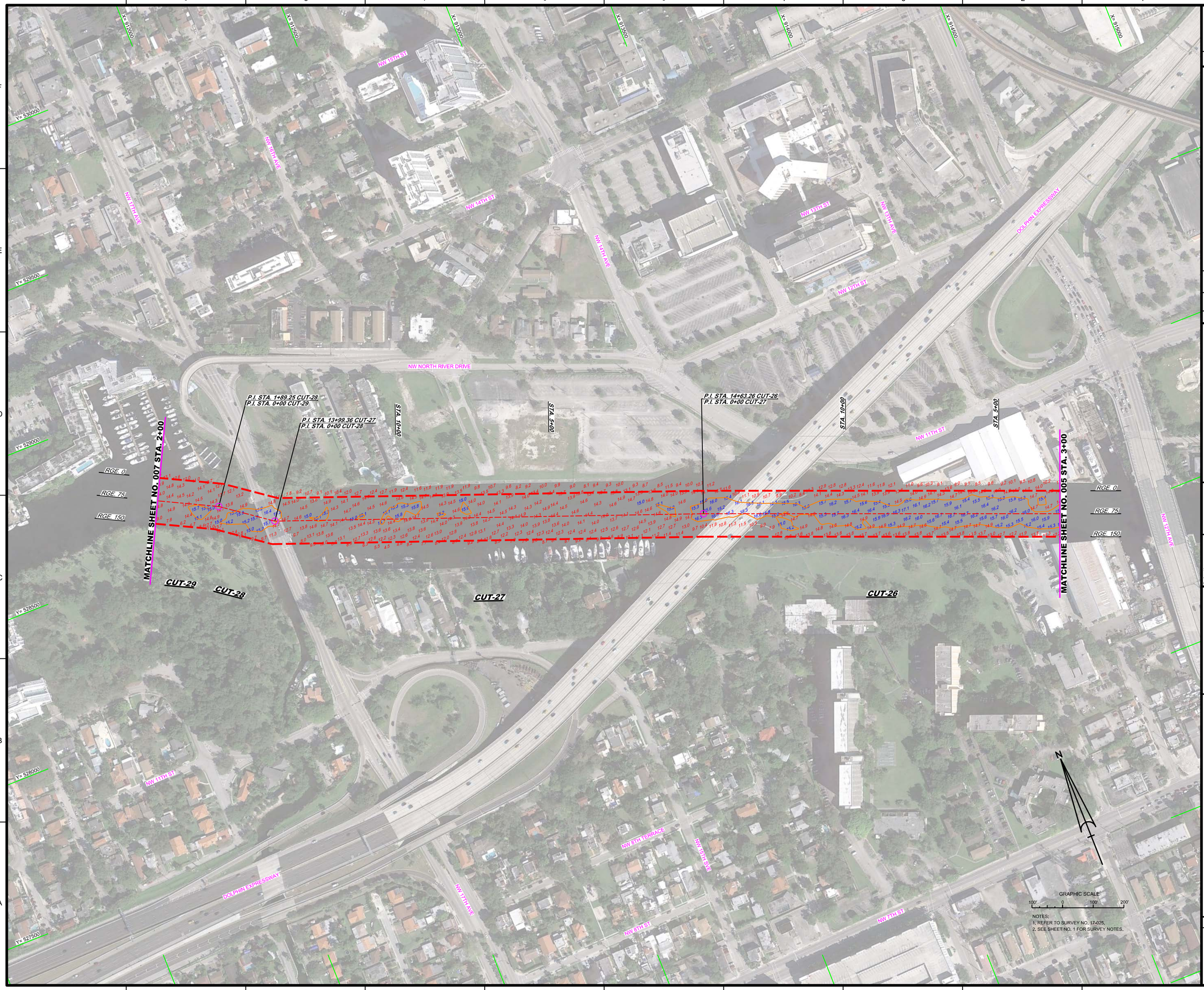
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
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
Dwn by: WRM
Ckd by: GMR
Inv. No.: W912EP-XX-X-XXXX
Dated: FEB 2017

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
17-025-VA-SCN1.DGN
MIARVRCHAN.DGN
17-025-CABS-BRDR.DGN
Reference files:
17-025-VH-009.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 3+00 CUT-26 THRU STA. 2+00 CUT-29

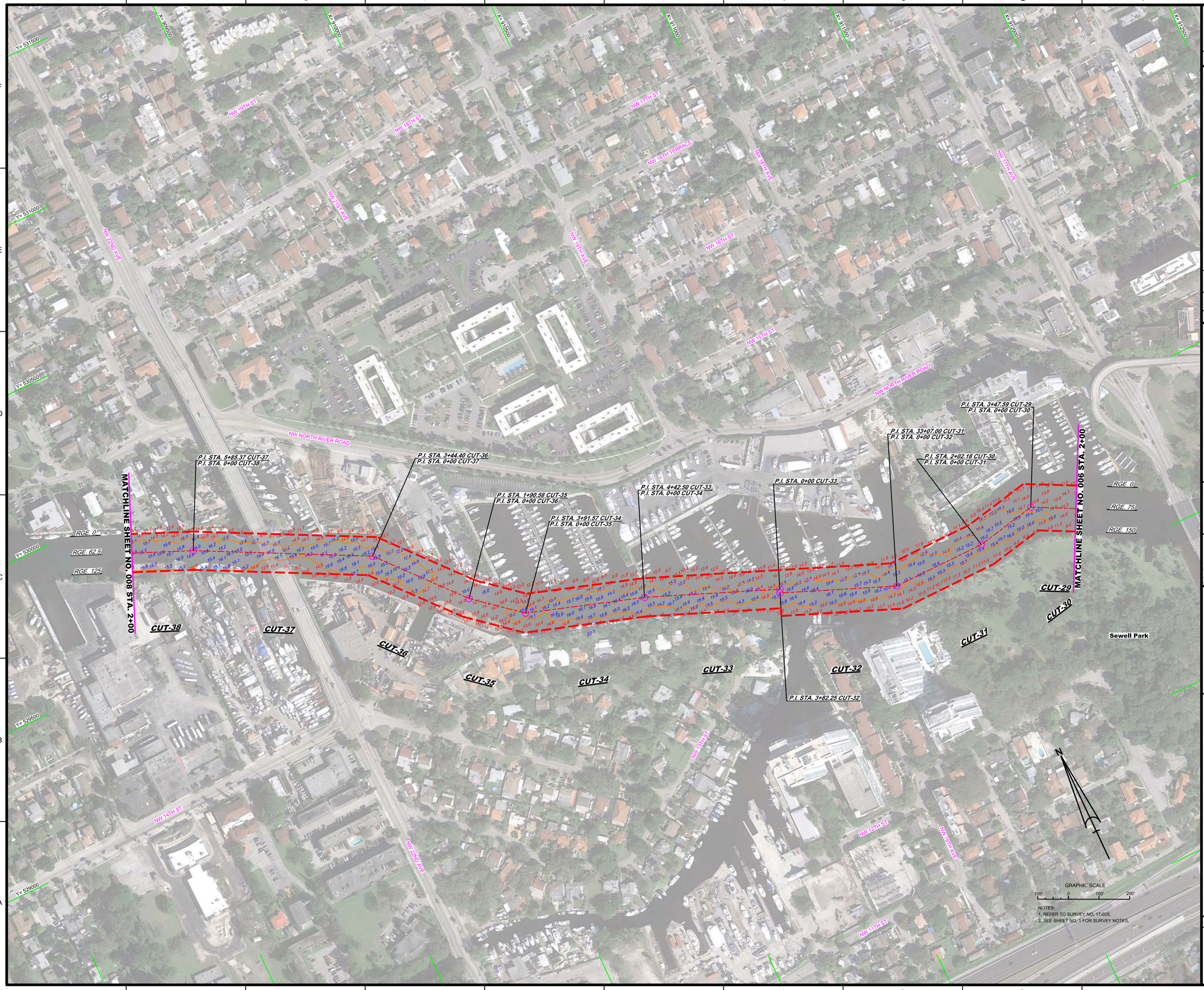
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Rev.	Symbol	Zone

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

Cad by: GMR
Designed by: WRM
Dwn by: WRM
Rev. No. V0912EP-XX-X-XXXX
Date: FEB 2017

X:\XXXXXXXX-X-X-XXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
T-X-025-X-SOUND.DGN
MARVRCH-HAND.DGN
T-X-025-X-SB-BKDR.DGN
Reference files:
T7-025-VH-007.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 2+00 CUT-29 THRU STA. 2+00 CUT-38

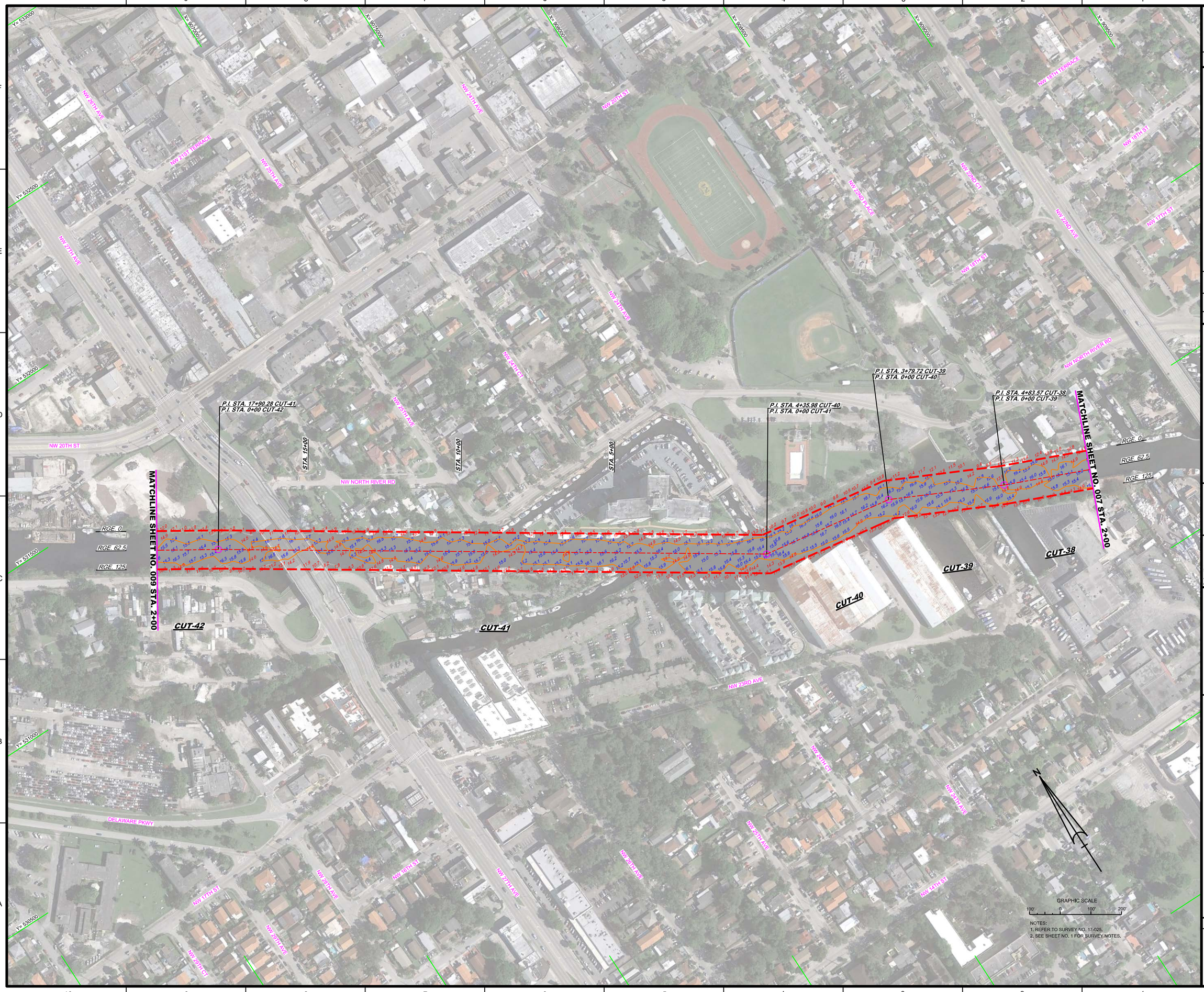
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
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: VIRM
DWN by: VIRM
Chk'd by: CMR
Proj. No. W912EP-XX-X-XXXX
Date: FEB 2017

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-025-HVSOUND.DGN
MIAFRVRCHHALDGN
17-025-HSEBHDRDR.DGN
Reference files:
17-025-VH036.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 2+00 CUT-38 THRU STA. 2+00 CUT-42

PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 11

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
Cad by: GMR
DWN by: WRM
Inv. No.: W912EP-XX-X-XXXX
Date: FEB 2017

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
17-025-V-SOUL.DGN
17-025-V-CONI.E.DGN
MIAR/VRCHAN.DGN
17-025-C-B5-B/RDR.DGN
Reference files:
17-025-V-H-009.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

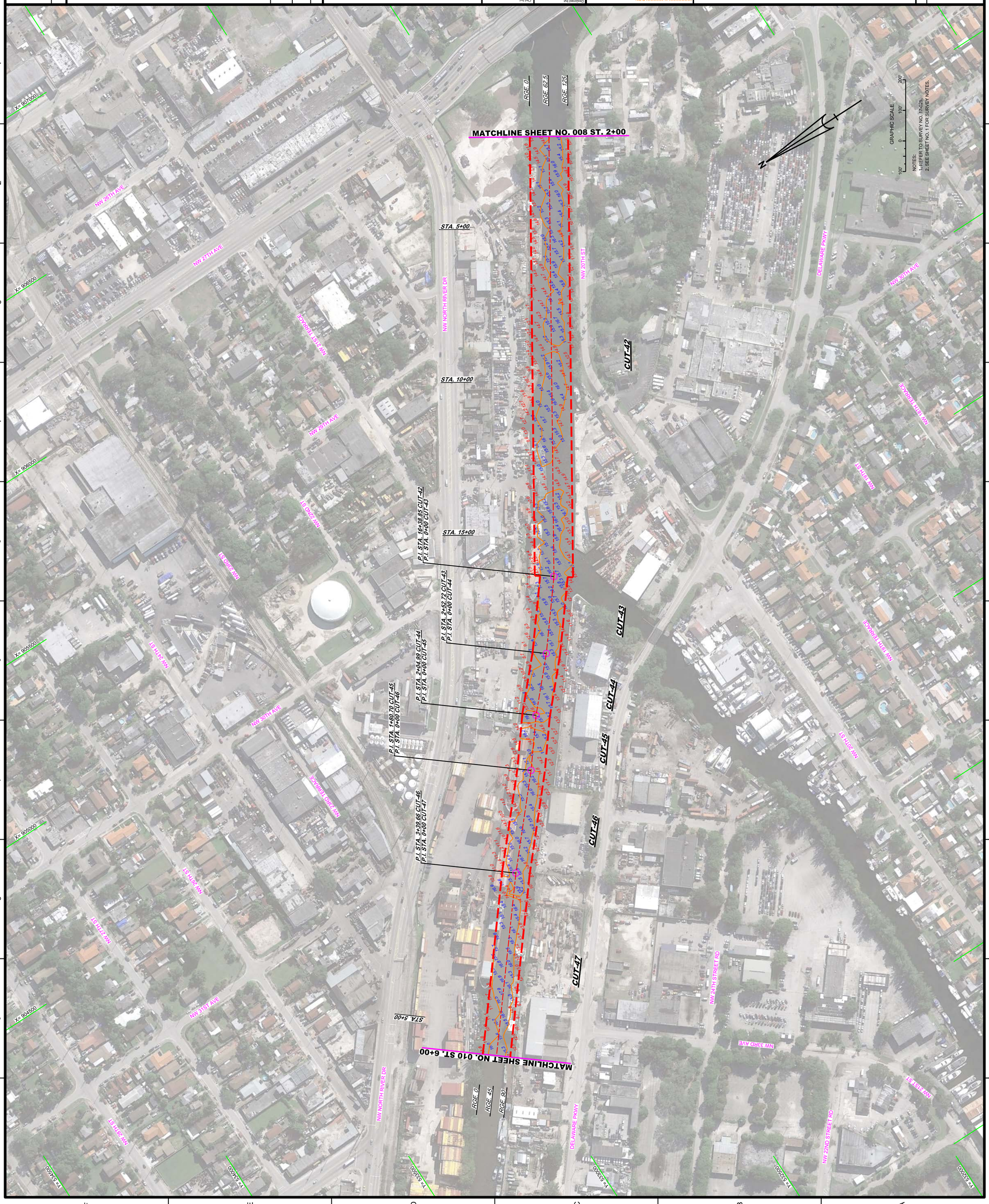
POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT
STA. 2+00 CUT-42 THRU STA. 6+00 CUT-47

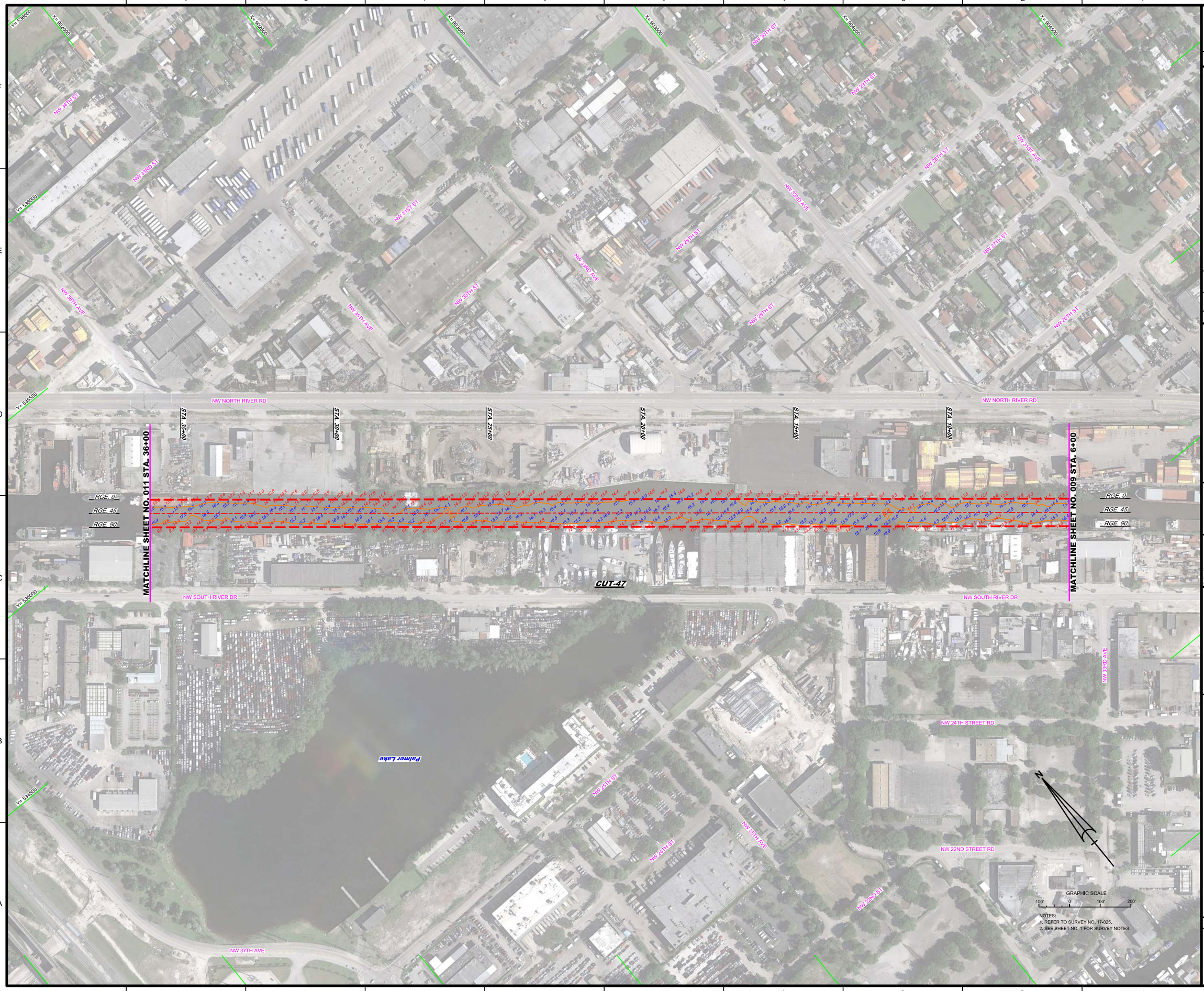
PLAN

Scale: AS SHOWN

Drawing no. 9

SHEET 09 OF 11





NOTES:
1. REFER TO SURVEY NO. 17-025.
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

Cad by: CMR
Designed by: VIRM
DWN by: VIRM
Proj. No. V912EP-XX-X-XXXX
Date: FEB 2017

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-025-01-SOUN.DGN
MIAFRVRCHN.DGN
17-025-04-SHBNDR.DGN
Reference files:
Plot scale:
17-025-VH310.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 6+00 THRU STA. 35+00 CUT-47

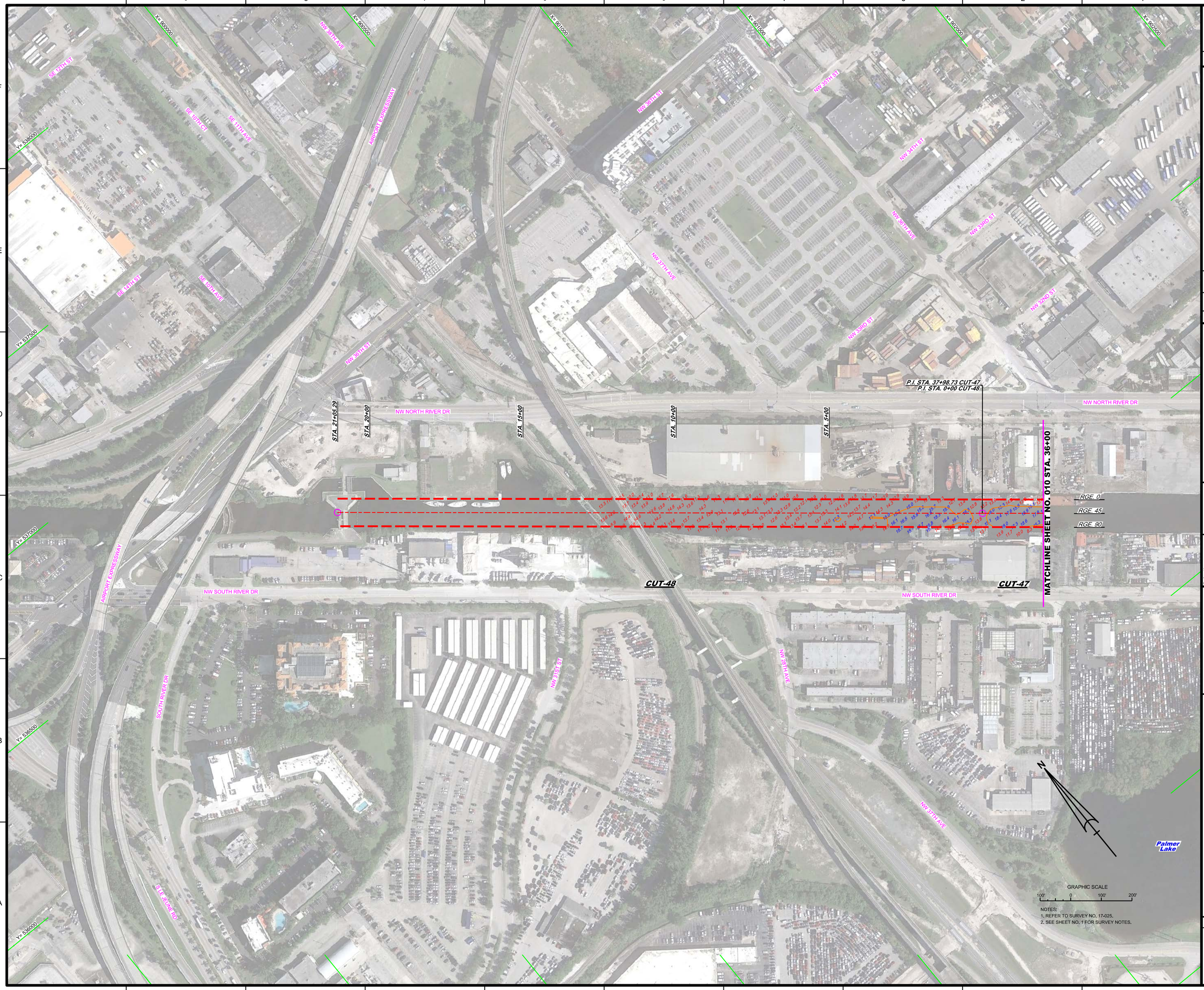
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 11



NOTES:
1. REFER TO SURVEY NO. 17-025.
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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Inv. No. W912EP-XXX-X-XXXX
Date: FEB 2017

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
17-025-XXXXXXXXXXXX.DGN
17-025-VI-SCUM.DGN
MIARIVRCHANL.DGN
17-025-CABS-BRDR.DGN
Reference files:
17-025-VI-H011.DGN
File name:

MIAMI RIVER
DADE COUNTY, FLORIDA

POST-HURRICANE MATTHEW EXAM SURVEY FY17
15-FOOT PROJECT

STA. 36+00 CUT-47 THRU STA. 21+05.29 CUT-48

PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 11