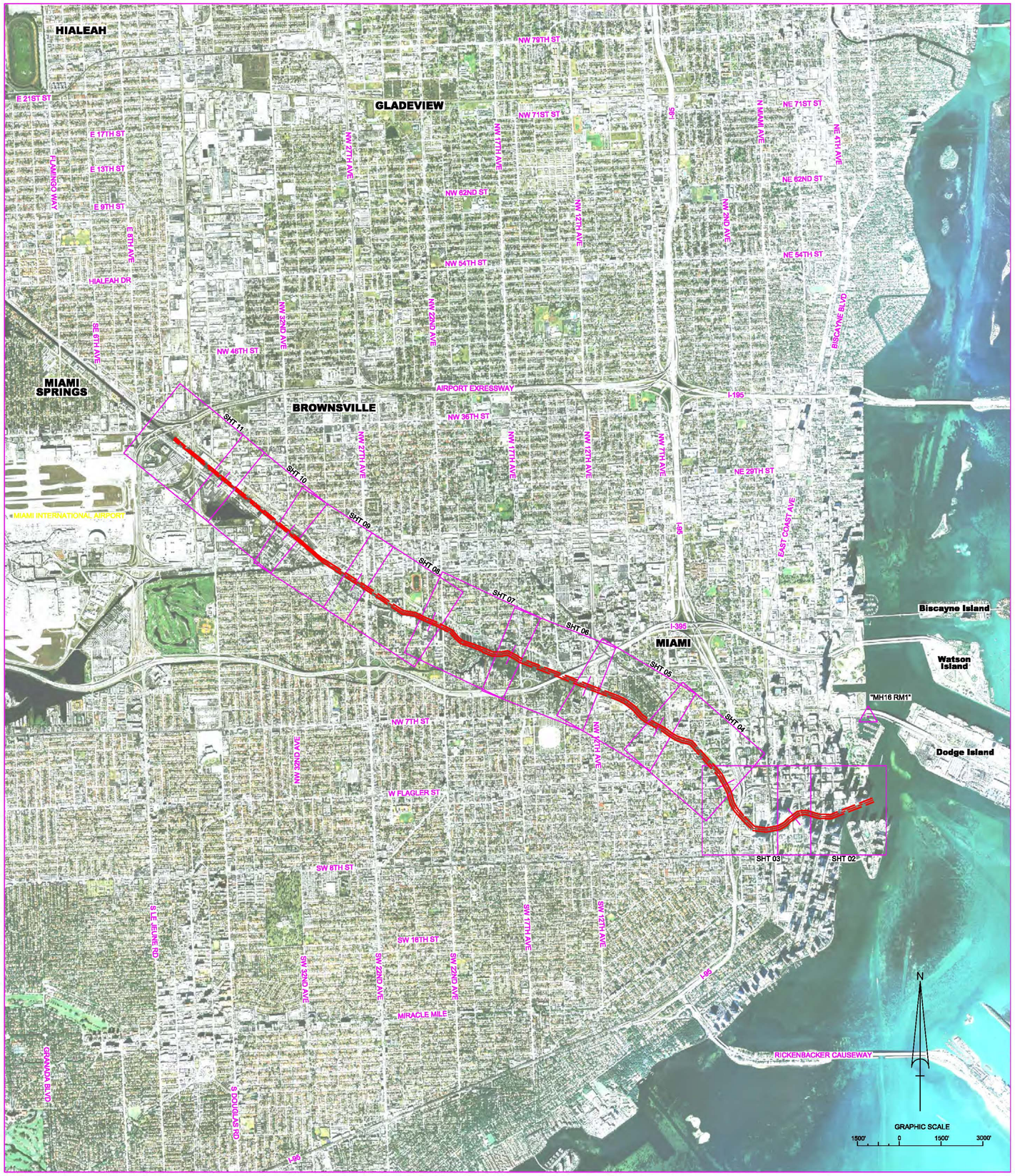


MIAMI RIVER
DADE COUNTY, FLORIDA
POST-TROPICAL STORM ISAAC EXAMINATION SURVEY
15-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 12-193.
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. ANY THIRD PARTY ATTEMPT TO DUPLICATE THIS SURVEY SHALL OBTAIN THE LATEST KINEMATIC TIDE DATUM MODEL (KTD FILE) AVAILABLE FROM USACE JACKSONVILLE DISTRICT.
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 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 ALONG WITH POST-PROCESSED KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   "REFERENCE BASE LOCATED AT "PT 03" "(OPUS PID: BBCV03)

   "TIDE STAFF LOCATED FROM "MH16 RM1"" (NGS PID: AC2178)

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 4600 SWATH BATHYMETRY OPERATING AT 230 KHZ AND/OR A ROSS 835 SMARTSOUNDER OPERATING AT 28/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUTS
WB-32	27 AUG 2012	2 - 48

9. AIDS TO NAVIGATION WERE NOT LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF 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.

LEGEND	
△	BENCHMARK
!	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

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

Designed by: WRM
DWN by: WRM
Cad by: GR
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
12-193-XX-XXXXXX.DGN
MIAMIVRCHAN.DGN
12-193-G-BS9-BSDR.DGN
Reference files:

12-193-VH-SI901.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER
POST-TROPICAL STORM ISAAC
HYDRO EXAMINATION SURVEY
15-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 11

NOTES:
1. REFER TO SURVEY NO. 12-193.
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
Cover by: WRM
Det by: GR
Ser. No. V01SER-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-193-X-SQUN.DGN
MIAMIVORCH.DGN
12-193-X-SHEET.DGN
Reference files:
12-193-VH-SH02.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

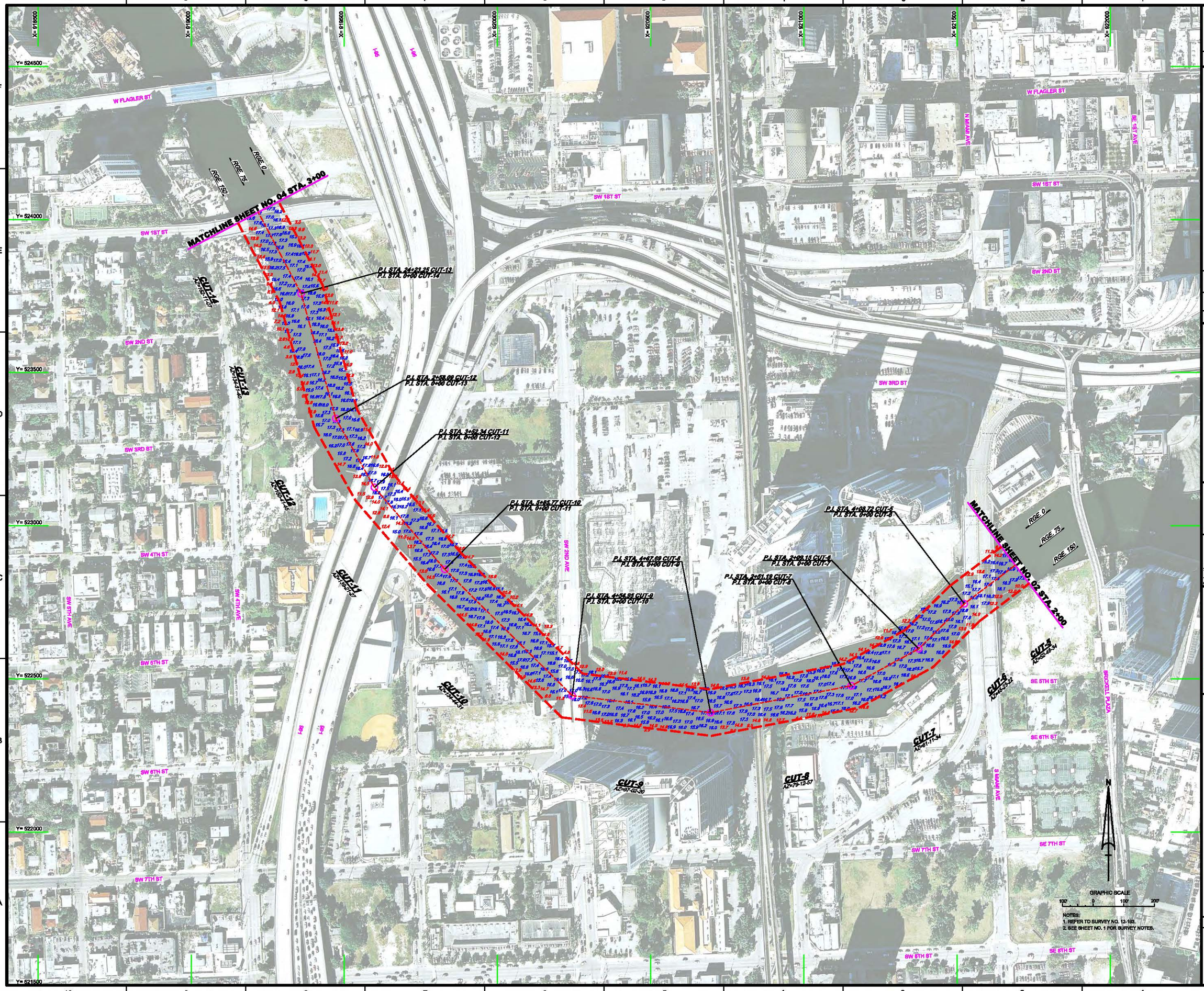
POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY
15-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 2+00 CUT-5

PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 11



NOTES:
1. REFER TO SURVEY NO. 12-193.
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: GS
Designed by: WRM
Contr by: WRM
Sur. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
12-193-X-SCUM.DGN
MIAMIRCHAL.DGN
12-193-X-SB-BRIDF.DGN
Referred files
12-193-VH-SB193.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

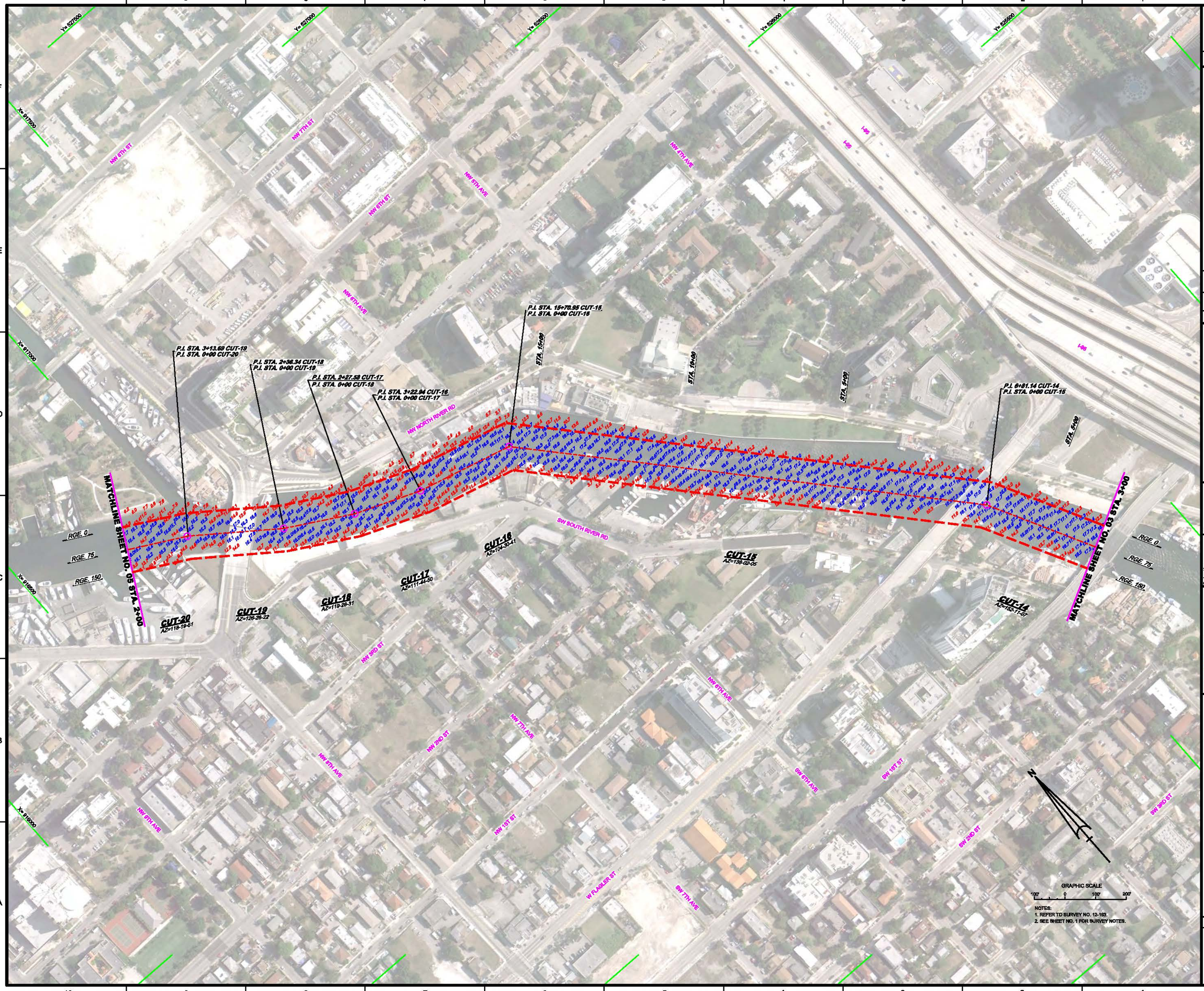
POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY
15-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 2+00 CUT-5

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

Checked by: GBL
Drawn by: WRM
Covered by: WRM
Dwg. No. V0112EIR-XX-A-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-183-V-SCUR.DGN
MAPSVRCIAL.DGN
12-183-V-BRK-BRDR.DGN
Reference files:
12-183-V-BRKALDGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY 15-FOOT PROJECT

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

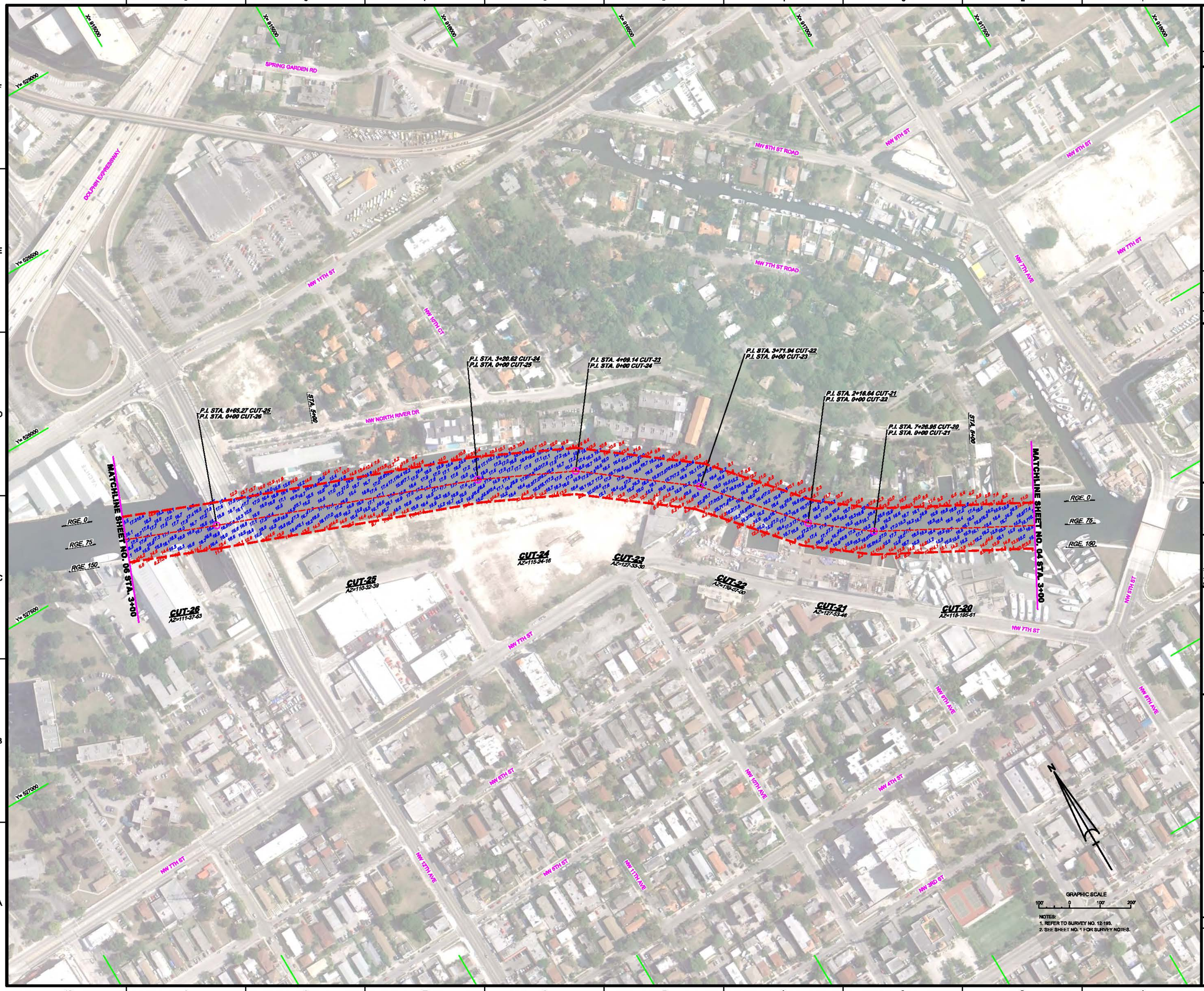
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 11



NOTES:
1. REFER TO SURVEY NO. 12-193.
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

Checked by: GR
Designed by: WRM
Drawn by: WRM
Sln. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXXX-X-XXXXXX.DGN
12-193-A-BOUND.DGN
MIAMIVRCI1AN.DGN
12-193-C-BB-BRIDGE.DGN
12-193-XH-BB05.DGN

Reference files:
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

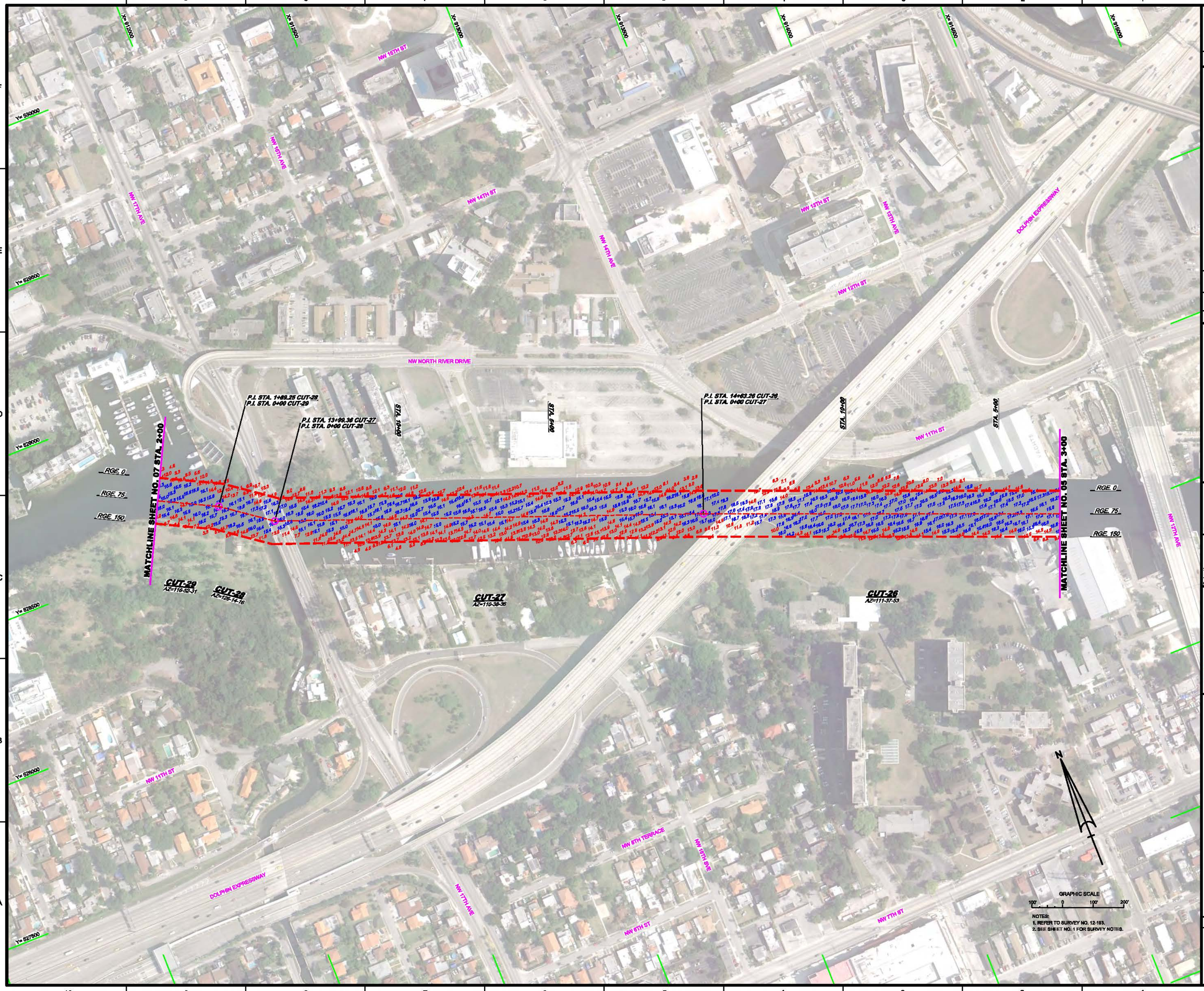
POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY
15-FOOT PROJECT
STA. 3+00 CUT-20 THRU STA. 3+00 CUT-26

PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 11



NOTES:
1. REFER TO SURVEY NO. 12-183.
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

Checked by: GR
Designed by: WRM
Drawn by: WRM
Dwg. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-183-X-SQUN.DGN
MIAMIVICINITY.DGN
12-183-X-SHEET.DGN
12-183-VH-SHEET.DGN

Reference files:
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY 15-FOOT PROJECT

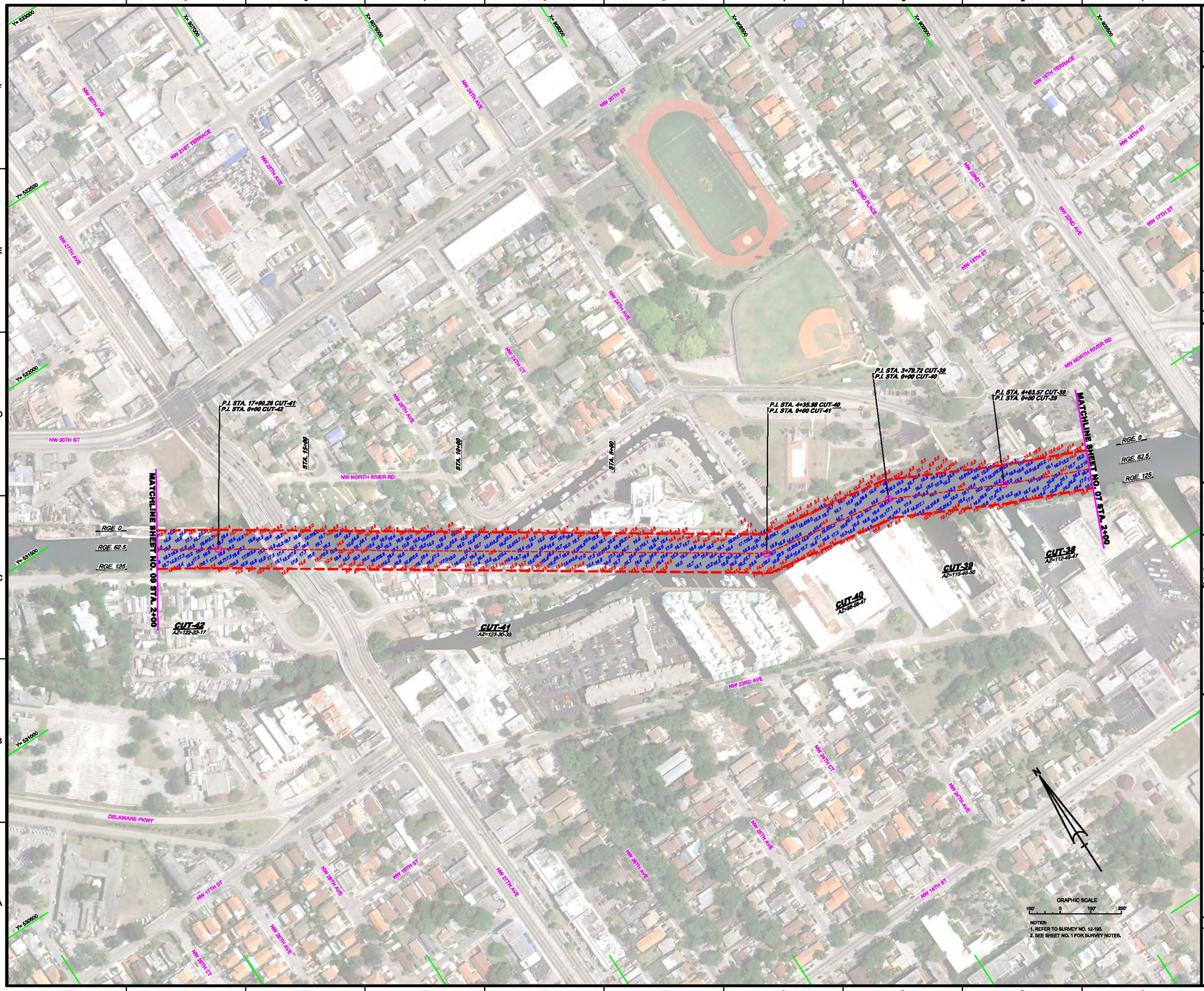
STA. 3+00 CUT-28 THRU STA. 2+00 CUT-29

PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 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
Drawn by: WRM
Chk by: GR
Rev. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
12-193-A-BOUNDDGN
MURVRCHAN.DGN
12-193-C-BS-BRIDFLOOR.DGN
12-193-XH-B808.DGN

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY 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: MRM
Drawn by: MRM
Checked by: QR
Date: DD MMM YYYY
Sig. No. W912EP-XX-X-XXXX

XXXXXXXX-X-XXXXXX-D.DGN
XXXXXXXX-X-XXXXXX-D.DGN
XXXXXXXX-X-XXXXXX-D.DGN
XXXXXXXX-X-XXXXXX-D.DGN
12-183-V-SOLI.DGN
MIAMIVICI MA.DGN
12-183-C-88-BRDR.DGN
12-183-VH-BHB.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY
15-FOOT PROJECT

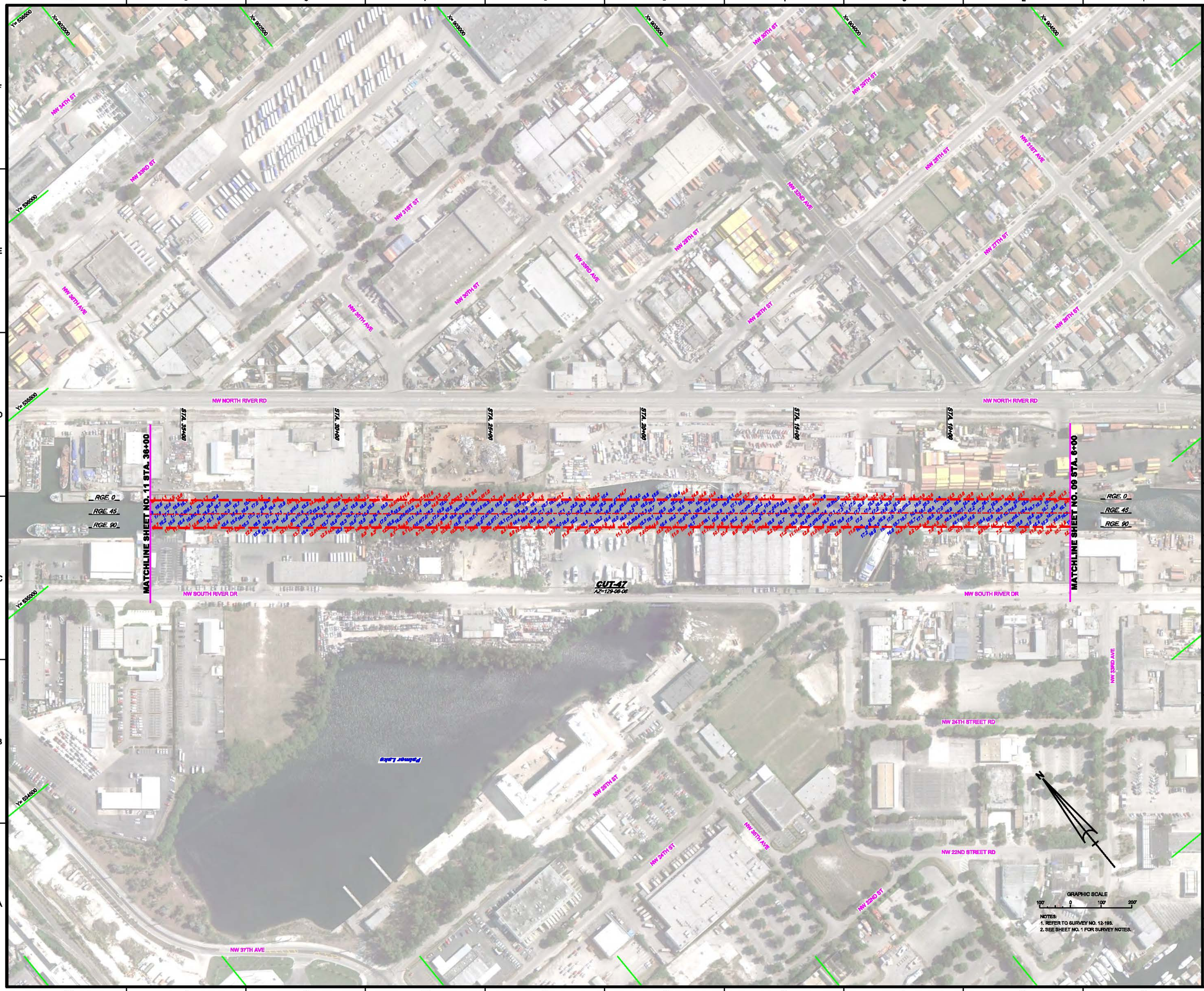
STA. 2+00 CUT-42 THRU STA. 6+00 CUT-47

PLAN

Scale: AS SHOWN

Drawing no. 9

SHEET 09 OF 11



NOTES:
1. REFER TO SURVEY NO. 12-193.
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
Drawn by: WRM
Cad by: GR
Div. No. W912BR-XX-B-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-193-X-SCALN.DGN
MIAROVRC14AN.DGN
12-193-F-BS-BSPLD08
Reference files:
12-193-V01-BS10.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY 15-FOOT PROJECT

STA. 6+00 THRU STA. 36+00 CUT-47

PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 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

Check by: GR
Drawn by: WRM
Covered by: WRM
Est. No. W912BR-XX-A-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-193-CUT-47.DGN
12-193-A-SCUL.DGN
MAPVRCIAL.DGN
12-193-C-BS-BIDER.DGN
Reference files:
12-193-VH-B911.DGN
File name:

MIAMI, DADE COUNTY, FLORIDA
MIAMI RIVER

POST-TROPICAL STORM ISAAC HYDRO EXAMINATION SURVEY 15-FOOT PROJECT

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

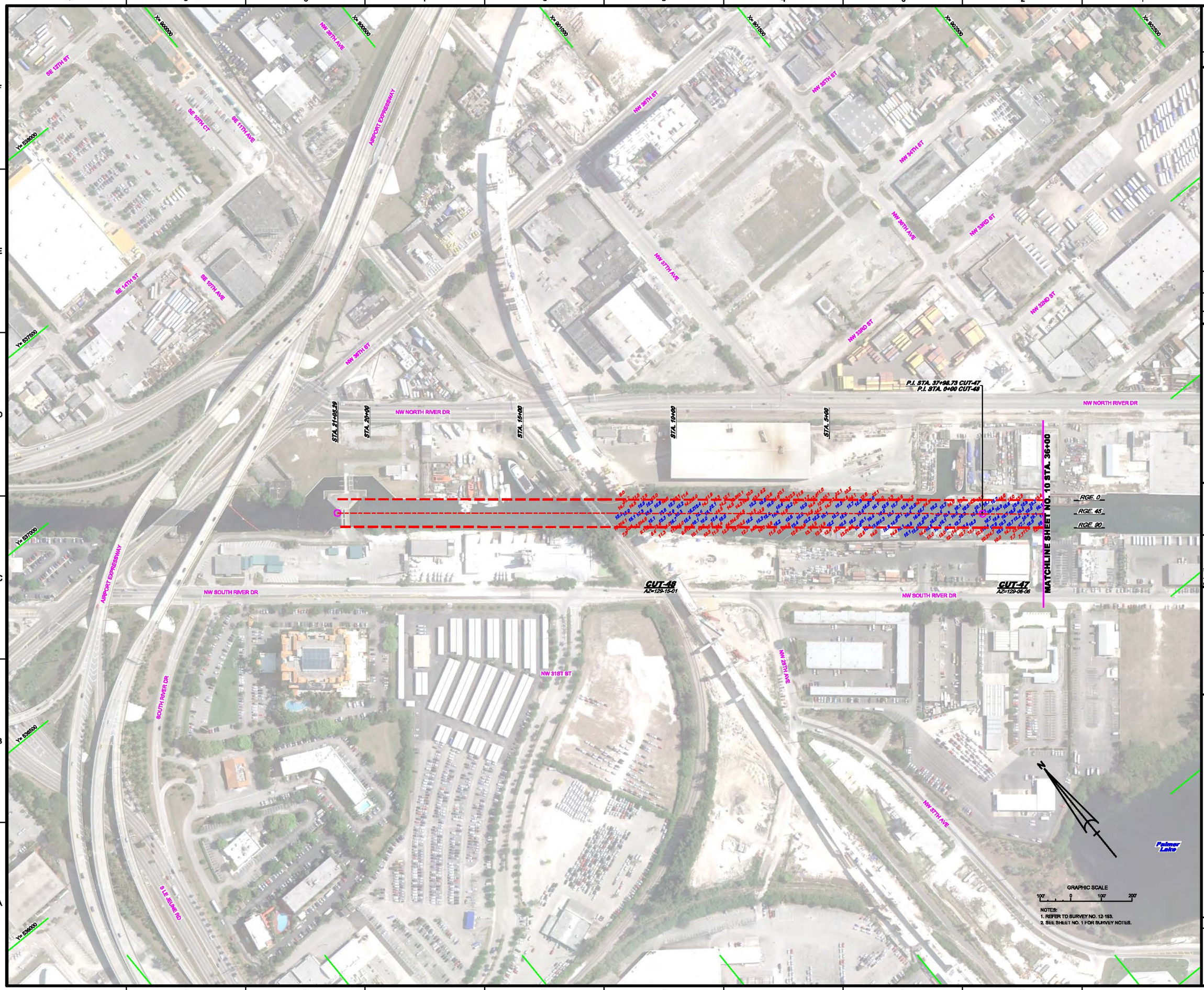
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 11



NOTES:
1. REFER TO SURVEY NO. 12-193.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.