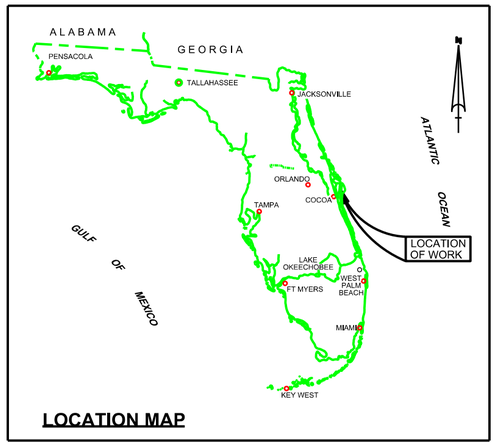
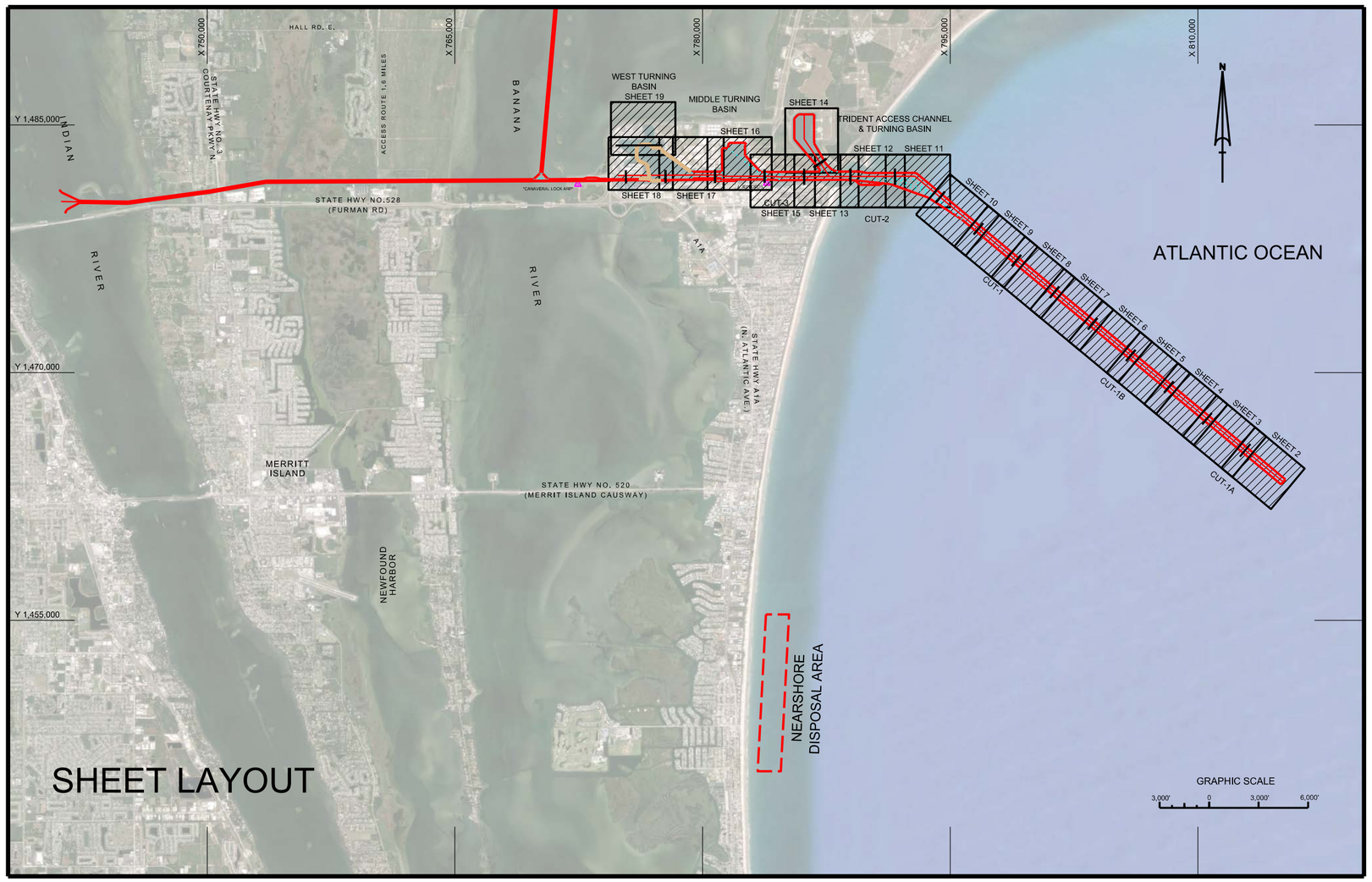
CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA
2Q PORT HYDRO EXAM SURVEY FY21



LOCATION MAP



SURVEY NOTES

1. REFER TO SURVEY NO. 21-101.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "CANAVERALHBR-2015 02 20.KTD".
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   "REFERENCE BASE LOCATED AT "CANAVERAL LOCK ARP" (PID: BBCV67)

   "TIDE STAFF LOCATED FROM "JEFFORDS" (PID: BBCQ55)
7. 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 872-1604, TRIDENT PIER, CANAVERAL, FL (PID: BBCQ55)
8. VERTICAL MEASUREMENTS WERE MADE USING A RESON T20P MULTI-BEAM SYSTEM, A R2 SONIC MODEL 2024 MULTI-BEAM AND A ROSS SMARTSOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER OPERATING AT 28/200 KHZ. HIGH FREQUENCY SOUNDINGS ARE SHOWN FOR CUT-1A, WEST ACCESS CHANNEL AND THE WEST TURNING BASIN. LOW FREQUENCY SOUNDINGS SHOWN FOR CUTS 1, 1B, 2, 3, MTB, TRIDENT ACCESS CHANNEL AND THE POSEIDON WHARF.

VESSEL	DATE OF SURVEY	CUT
SB-48	18 MAR 2021	WEST ACCESS CHAN., WEST TURNING BASIN
SB-48	23 MAR 2021	CUT-2 & 3, MTB, WAC, POSEIDON WHARF, NORTH CARGO PIER
SB-44	25 MAR 2021	CUT-2, TRIDENT ACCESS CHANNEL
SV SALZER	09 MAY 2021	CUTS 1 & 2
SV SALZER	10 MAY 2021	CUTS 1A & 1B

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.
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
CAN BUOY
NUN BUOY
TIDE STAFF
PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Drawn by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.: - - -
Dated: APR 2021

21-101-CJB-SB-SB12B.DGN
CANTOPO-SB48.DGN
CANAVERAL HARBOR-C-NGNCCF_WTB.DGN
CHLAYOUT83.DGN
Reference files:
21-101-VH-001.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

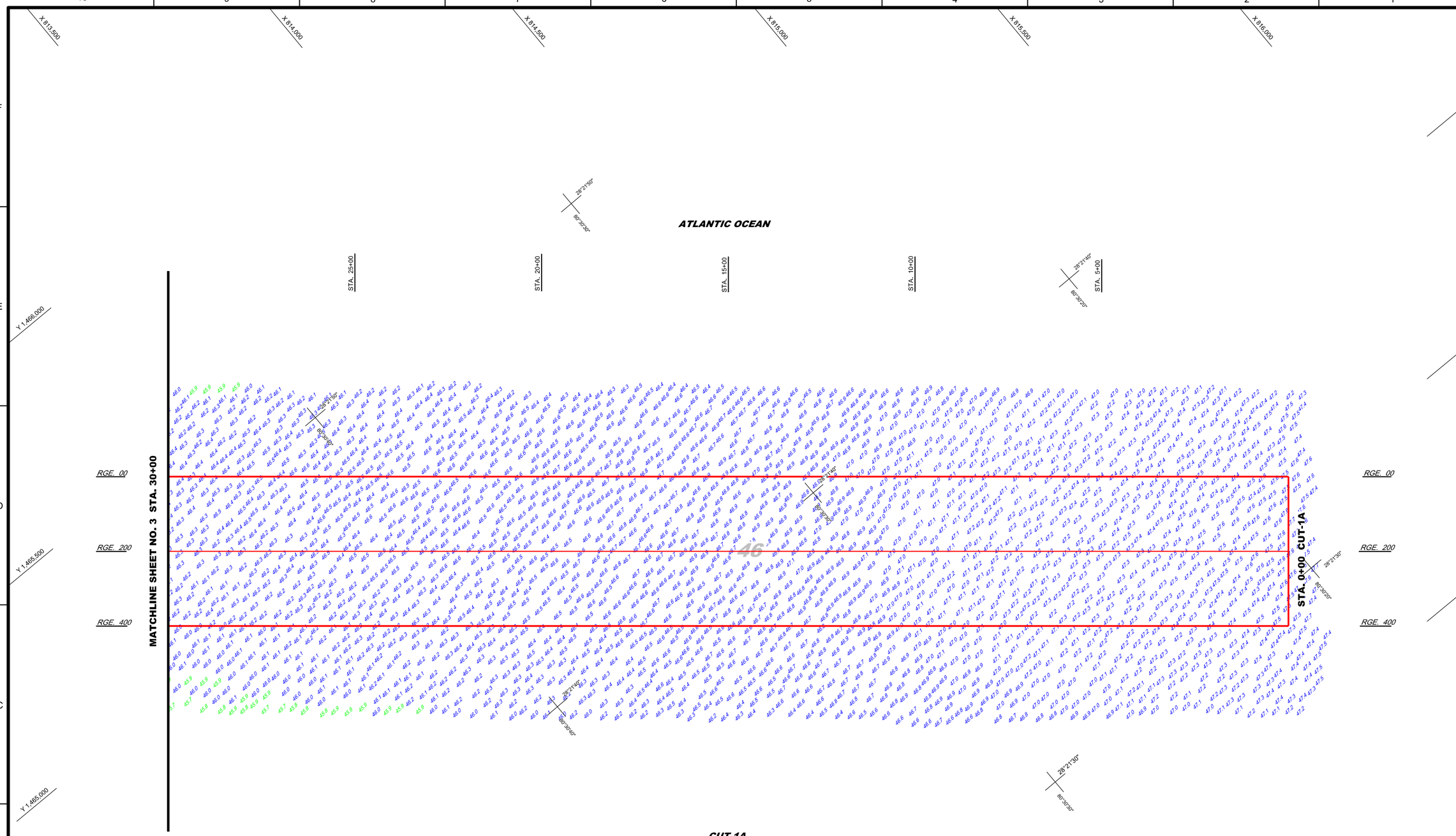
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
INDEX, LOCATION AND VICINTY PLAN

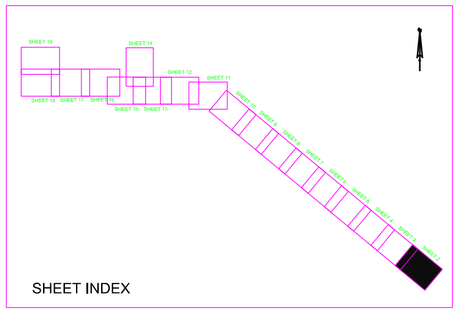
Scale: AS SHOWN

Drawing no.

1 / 18

SHEET 1 OF 19





SHEET INDEX

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: WRM
Dwn by: WRM
Ckd by: GMR
Fac. No. ---
Date: APR 2021

21-101-C-SUE-BRDR.DGN
CANAVERAL-HARBOR-ANGMCCF_WTB.DGN
CHLLTICS.DGN
21-101-V-SOUN_C1A_HF.DGN

Reference files:
21-101-VH-002.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

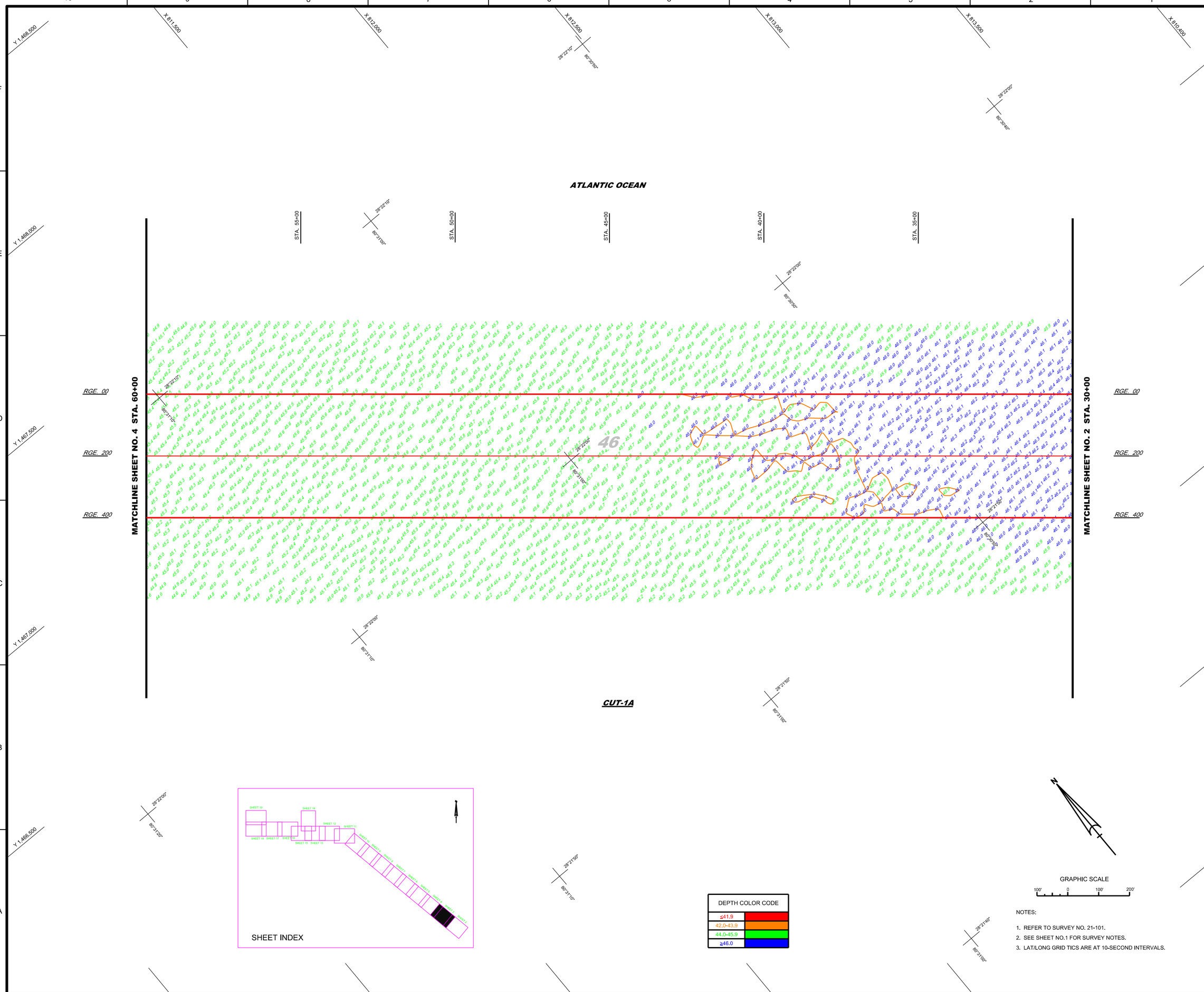
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 0+00 THRU 30+00 CUT - 1A
PLAN

Scale: AS SHOWN

Drawing no.

2 / 18

SHEET 2 OF 19



NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: VRM
Drawn by: WRM
Checked by: GMR
Inv. No. - - -
Dated: APR 2021

21-101-C-B-E-BRDG-DGN
CANAVERAL HARBOR-ACM-CCF_WTR.DGN
CHLLTICS.DGN
21-101-A-SOUN_C1A_HF.DGN
21-101-A-CONM46.DGN

Reference files:

21-101-VPH-003.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

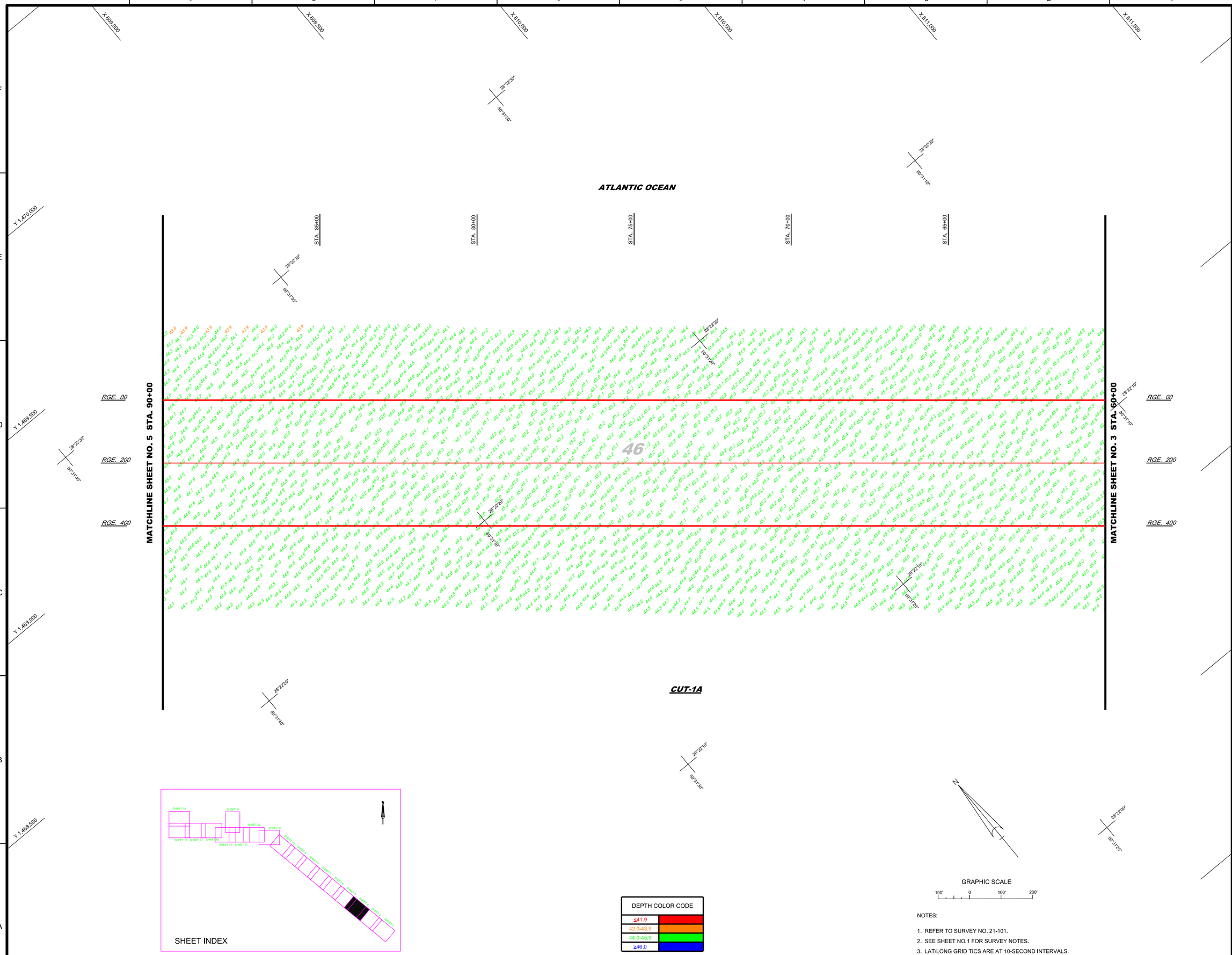
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 30+00 THRU 60+00 CUT - 1A
PLAN

Scale: AS SHOWN

Drawing no.

3 / 18

SHEET 3 OF 19



DEPTH COLOR CODE	
≤41.9	
42.0–43.9	
44.0–45.9	
≥46.0	

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: WRM
Dwn by: WRM
Ckd by: GMR
Inv. No. - -
Date: APR 2021

21-101-C-SS-BRDR.DGN
CANAVERAL HARBOR-NGMCCF_WTB.DGN
CHILLTICS.DGN
21-101-V-SOUN_C1A_HF.DGN

Reference files:

21-101-VH-004.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

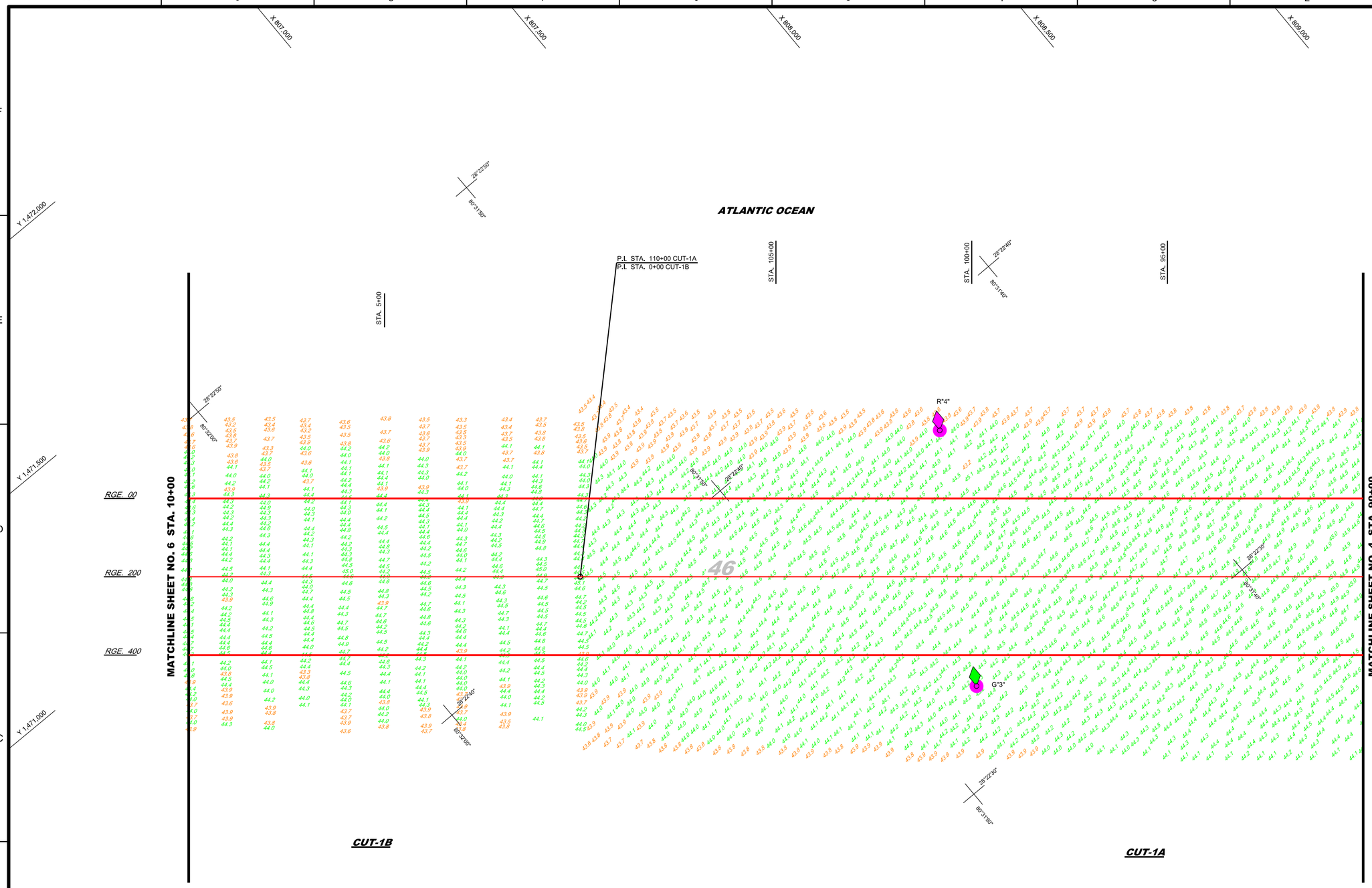
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 60+00 THRU 90+00 CUT - 1A
PLAN

Scale: AS SHOWN

Drawing no.

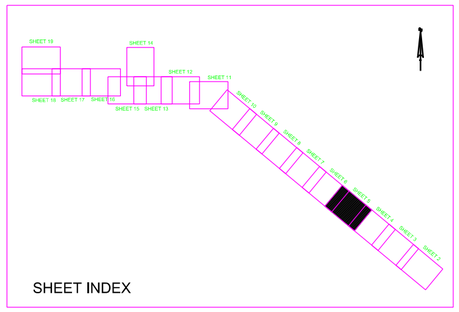
4 / 18

SHEET 4 OF 19



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3"	LT. BUOY-3 (05/21)	807,307	1,469,545	28°22'32.05"	80°31'47.95"
R"4"	LT. BUOY-4 (05/21)	807,652	1,470,108	28°22'37.61"	80°31'44.06"

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	



SHEET INDEX

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: WRM
Drawn by: WRM
Chk by: GMR
Proj. No. ---
Date: APR 2021

Reference files:
7-101-C-BS-BRDR.DGN
CANAVERAL-HARBOR-C-NGMCCF_WTR.DGN
CHLLTICS.DGN
21-101-V-SOUN_C1B_LF.DGN
21-101-V-SOUN_C1A_HF.DGN
21-101-V-NAV.DGN

21-101-VH-005.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT

STA. 90+00 CUT - 1A THRU STA. 10+00 CUT - 1B

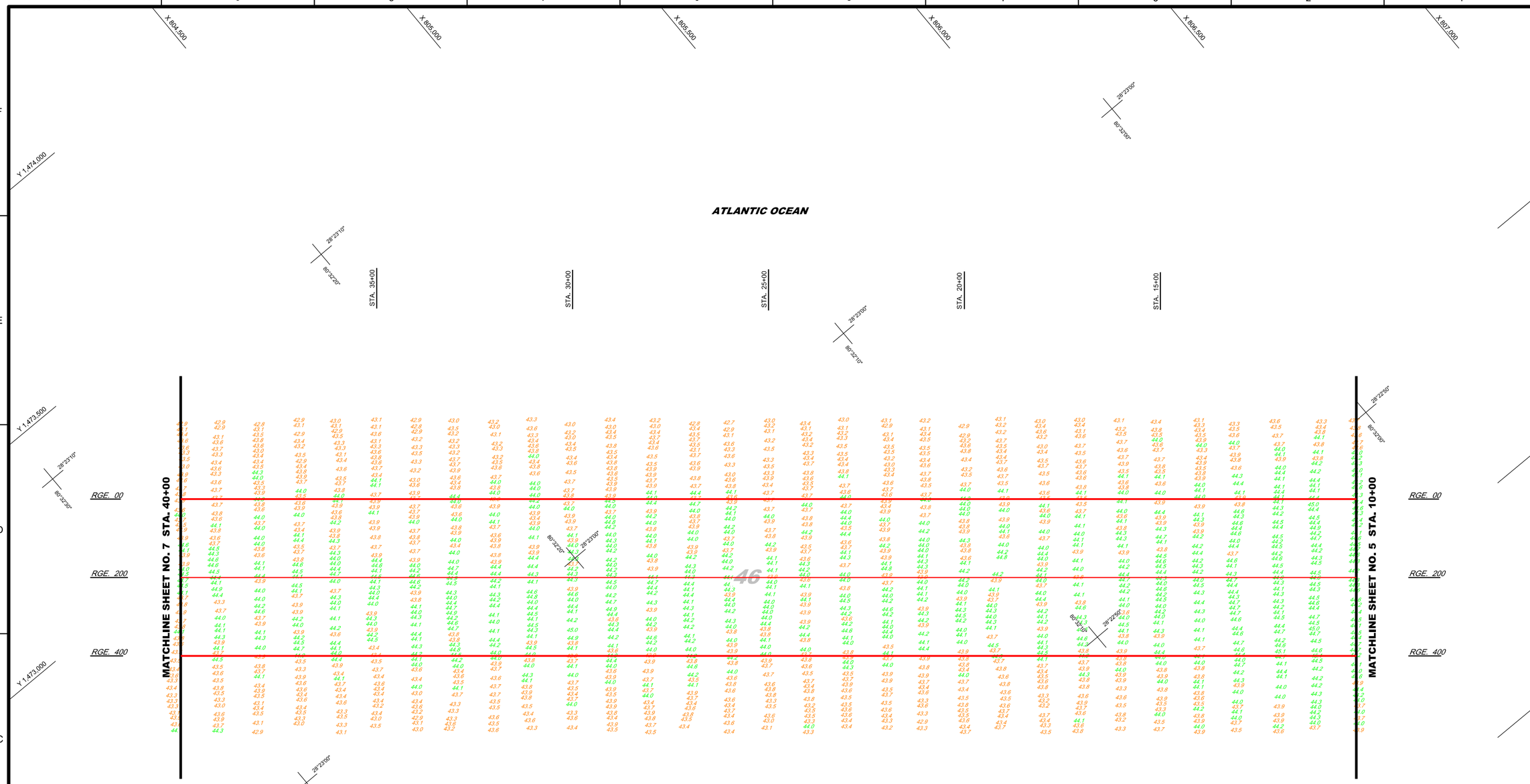
PLAN

Scale: AS SHOWN

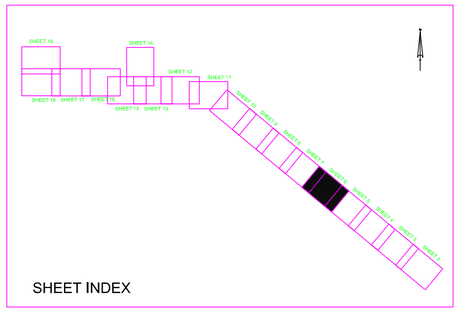
Drawing no.

5 / 18

SHEET 5 OF 19



DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	



SHEET INDEX

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Drafted by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.: - - -
Dated: APR 2021

21-101-C-2B-SHEETS.DGN
CANAVERAL-HARBOR-ANGMCCF_WTB.DGN
CHILLTICS.DGN
21-101-V-SOUN_C1B_LF.DGN

Reference files:
21-101-VH-006.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

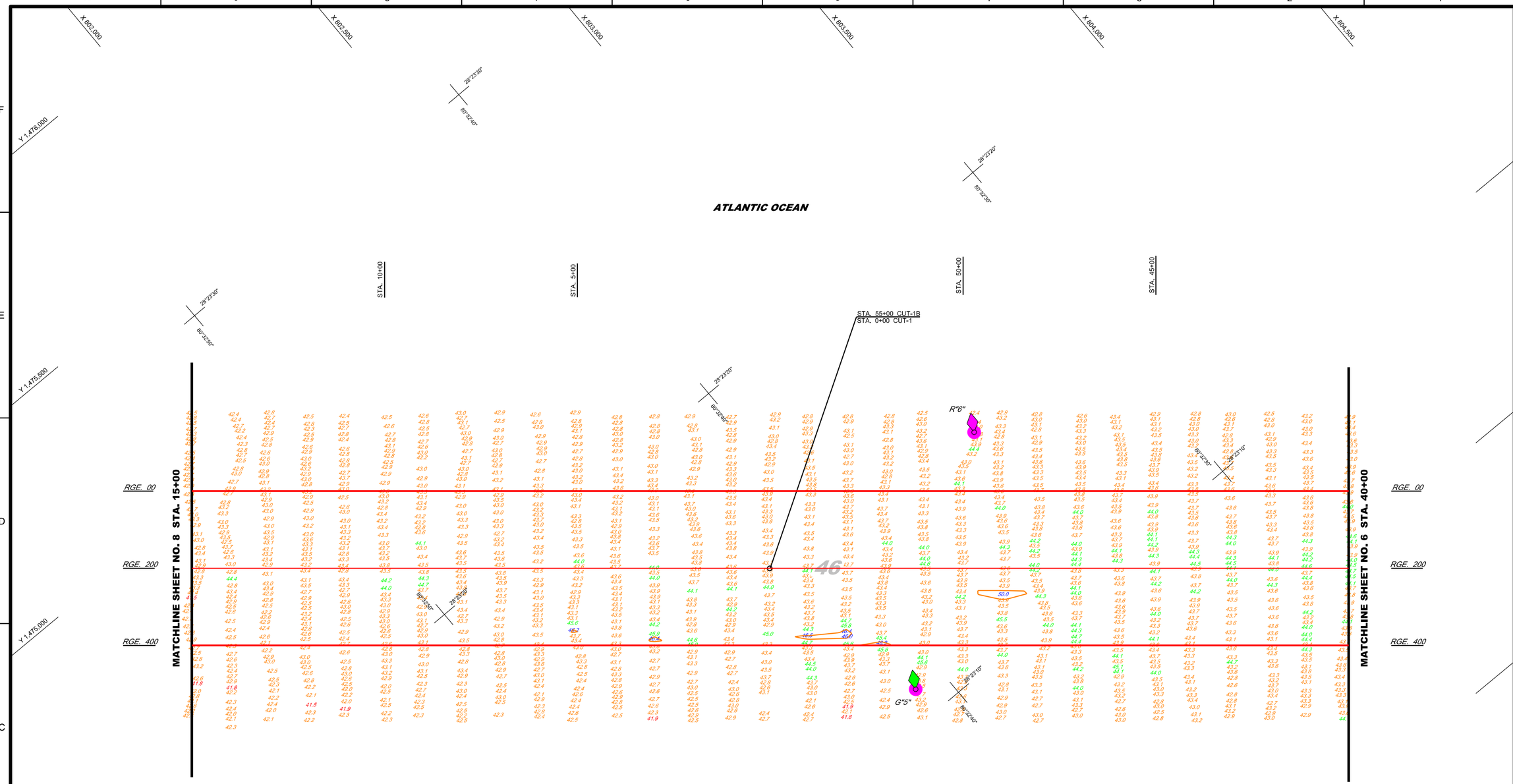
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 10+00 THRU STA. 40+00 CUT - 1B
PLAN

Scale: AS SHOWN

Drawing no.

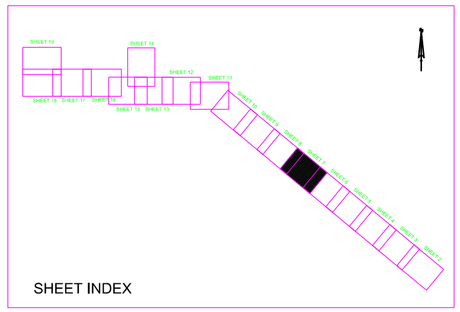
6 / 18

SHEET 6 OF 19



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	LT. BUOY-5 (05/21)	802,563	1,473,436	28°23'10.76"	80°32'40.88"
R"6"	LT. BUOY-6 (05/21)	803,105	1,473,852	28°23'14.86"	80°32'34.80"

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	



GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Drafted by: VRM
Chk by: GMR
DWN by: VRM
Trn: No. ---
Date: APR 2021

7-101-CAB-BRDR.DGN
CANAVERAL-HARBOR-C-NGMCCF_WTRLDGN
CHLTICS.DGN
21+101\A-SOUN_C1_LF.DGN
21+101\A-SOUN_C1B_LF.DGN
21+101\A-WAVE.DGN
21+101\A-CON46.DGN

Reference files:
21+101\-VH-007.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

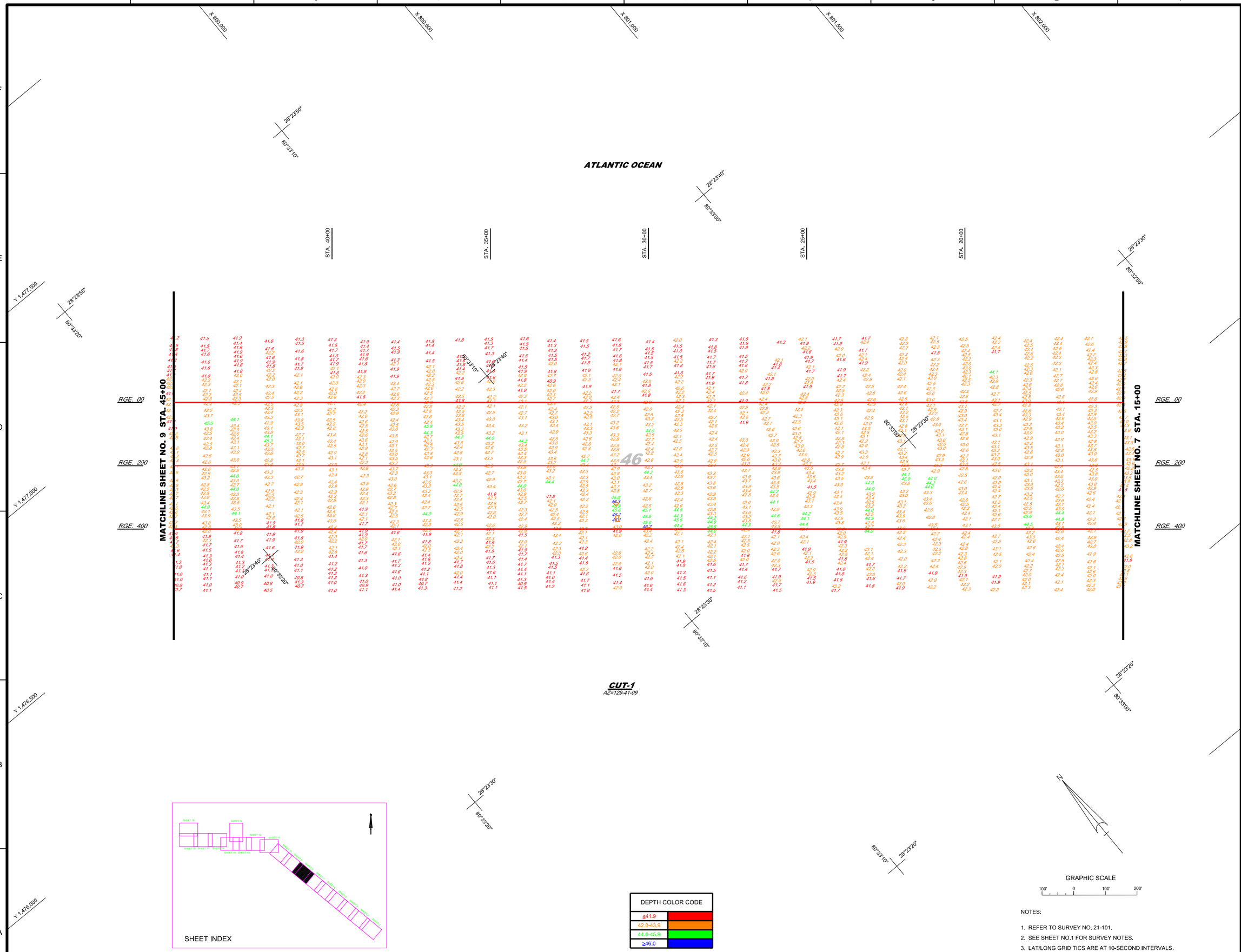
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 40+00 CUT - 1B THRU STA. 15+00 CUT - 1
PLAN

Scale: AS SHOWN

Drawing no.

7 / 18

SHEET 7 OF 19



SHEET INDEX

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: WRM
Drawn by: WRM
Checked by: GMR
Inv. No. - - -
Date: APR 2021

21-101-CA-05-RPOR.DGN
CANAVERAL HARBOR-CNCMCCF_WTB.DGN
CHLLTICS.DGN
21-101-VX-SOUN_C1_LF.DGN
21-101-VH-CONN8.DGN

Reference files:
21-101-VH-N08.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

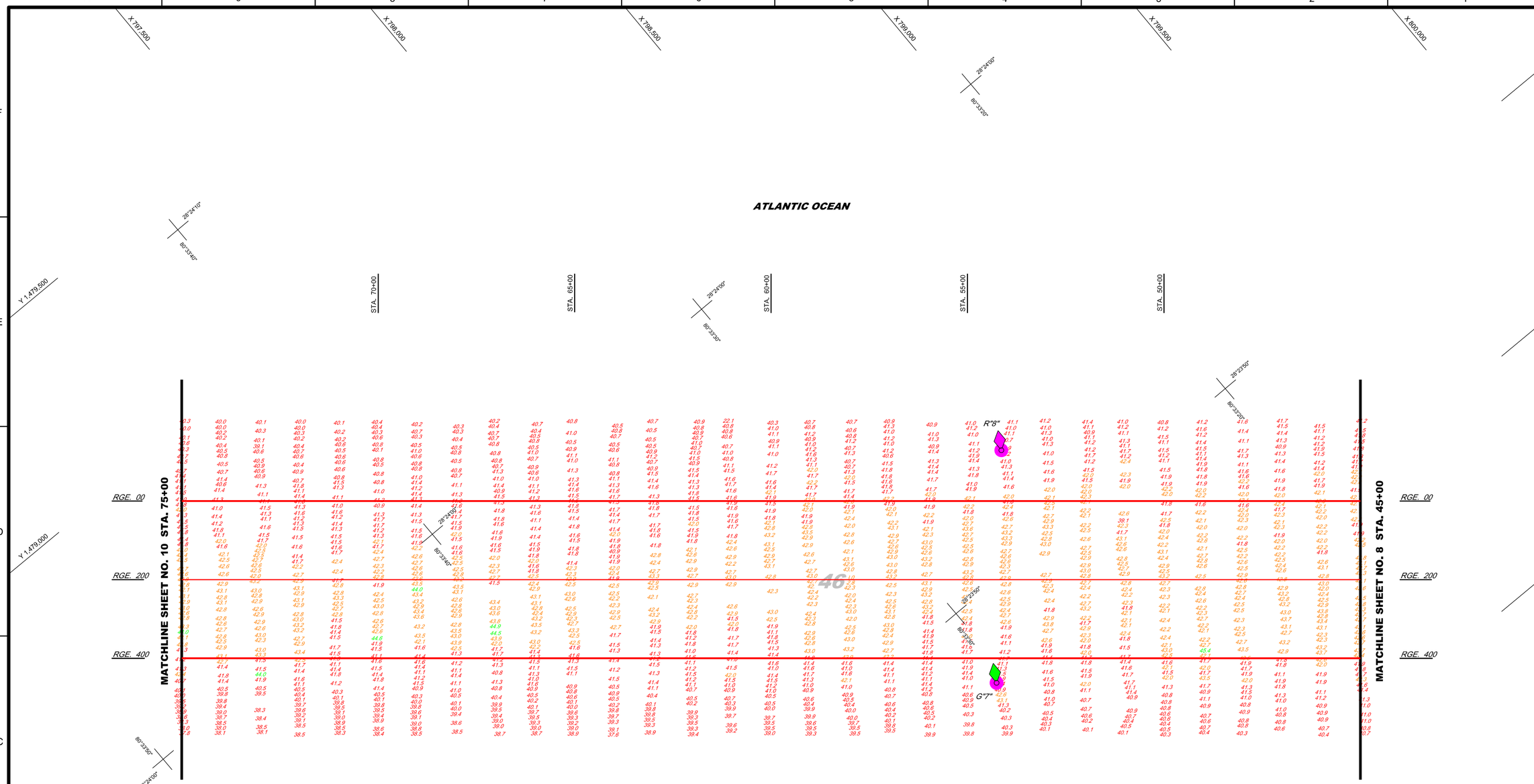
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 15+00 THRU STA. 45+00 CUT - 1
PLAN

Scale: AS SHOWN

Drawing no.

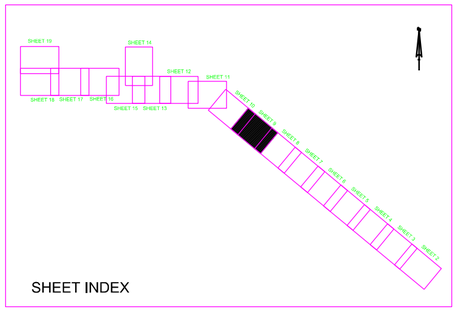
8 / 18

SHEET 8 OF 19



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	LT. BUOY-7 (05/21)	798,130	1,477,181	28°23'48.01"	80°33'30.36"
R"8"	LT. BUOY-8 (05/21)	798,517	1,477,629	28°23'52.43"	80°33'26.01"

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	



SHEET INDEX

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Designed by: WRM
Drawn by: WRM
Checked by: GMR
Rev. No. - - -
Date: APR 2021

21-101-C-SUS-BRDR.DGN
CANAVERAL HARBOR-ANCMCCF_WTB.DGN
CHILLTICS.DGN
21-101-V-SOUN_C1_LF.DGN
21-101-V-HAW.DGN

Reference files:

21-101-VH-009.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT

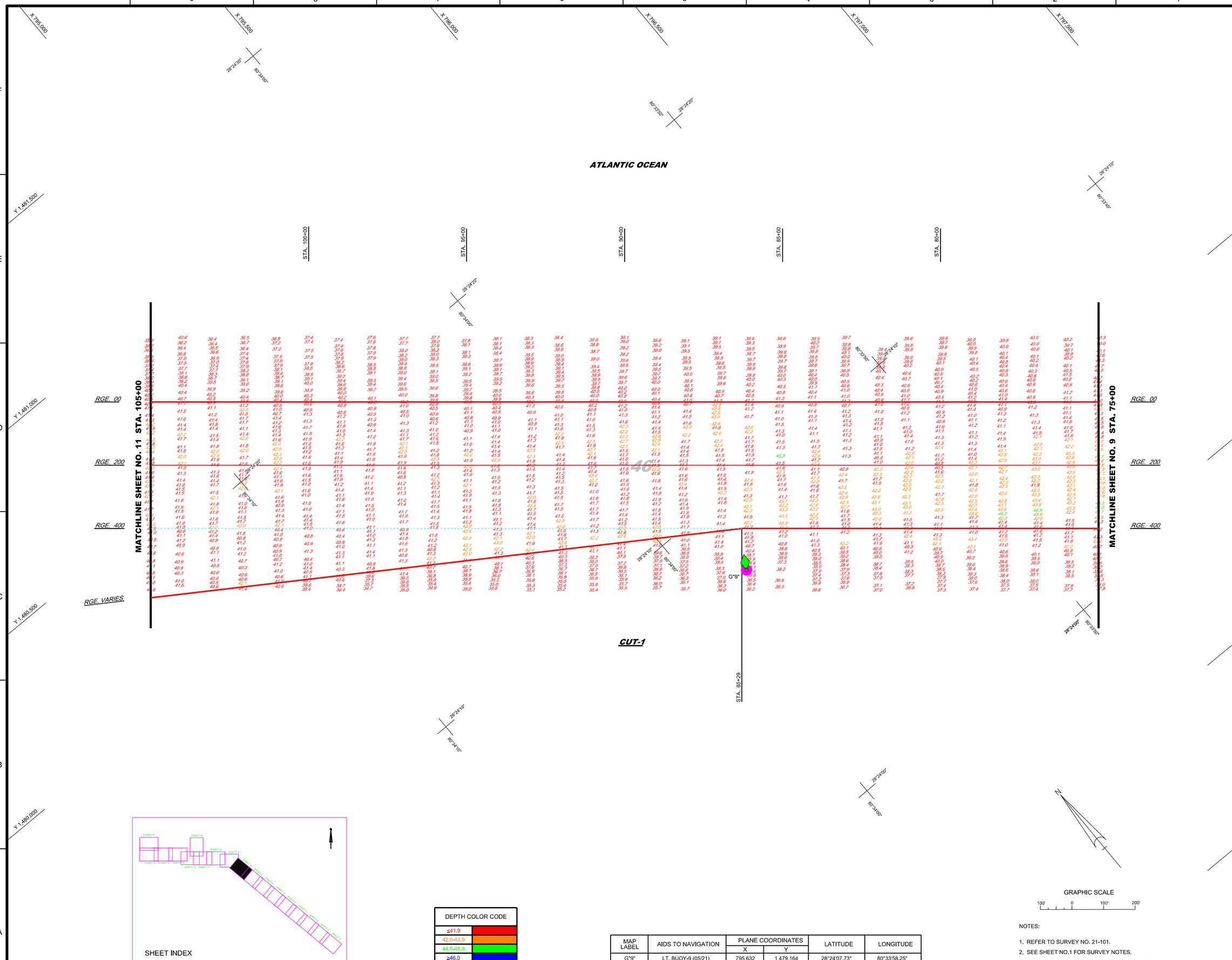
PLAN

Scale: AS SHOWN

Drawing no.

9 / 18

SHEET 9 OF 19



SHEET INDEX

DEPTH COLOR CODE	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"9"	LT. BUOY-9 (05/21)	795,632	1,479,164	28°24'07.73"	80°33'58.25"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Designed by: VRM
Drawn by: WRM
Checked by: GMR
Inv. No.: - - -
Date: APR 2021

21-101-C-GE-BRDR.DGN
CANAVERAL HARBOR-NGMCCF_WTB.DGN
CHLLTICS.DGN
21-101-X-SOUN_C1_LF.DGN
21-101-H-NAV.DGN

Reference files:

21-101-VH-010.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 75+00 THRU STA. 105+00 CUT - 1
PLAN

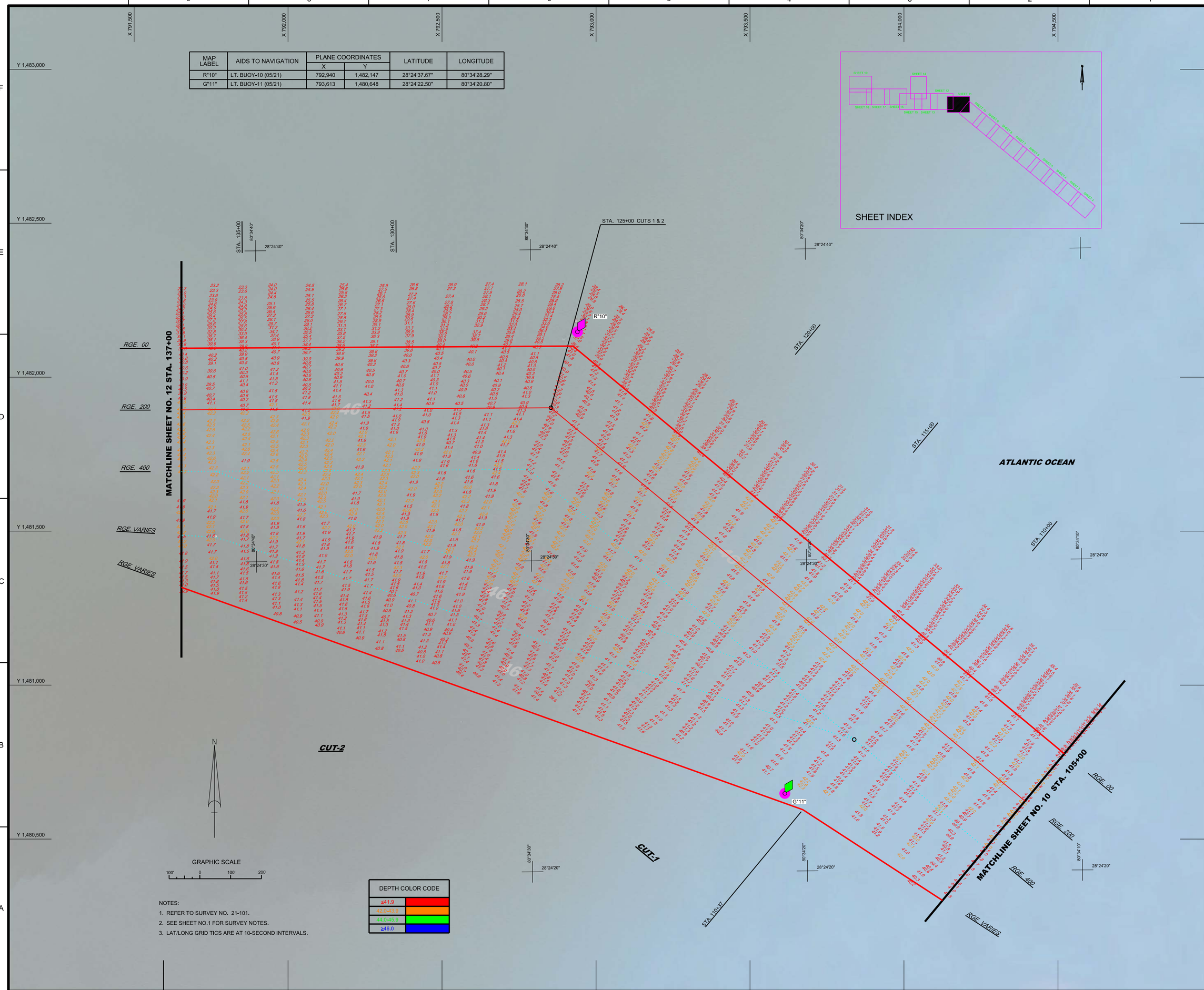
Scale: AS SHOWN

Drawing no.

10 / 18

SHEET 10 OF 19

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	LT. BUOY-10 (05/21)	792,940	1,482,147	28°24'37.67"	80°34'28.29"
G"11"	LT. BUOY-11 (05/21)	793,613	1,480,648	28°24'22.50"	80°34'20.80"



NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Drafted by: WRM
Cad by: GMR
DWN by: WRM
Rev. No.: - - -
Dated: APR 2021

T:_21-101_2-D_PRTS_DGN\
CANAVERAL-HARBOR-CAGMCCF_WTB.DGN
CHLLTICS.DGN
21-101-VA-SOUN_CT_LF.DGN
21-101-VA-SOUN_CT_2_LF.DGN
21-101-VA-NAV.DGN

Reference files:

21-101-VH-011.DGN

File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

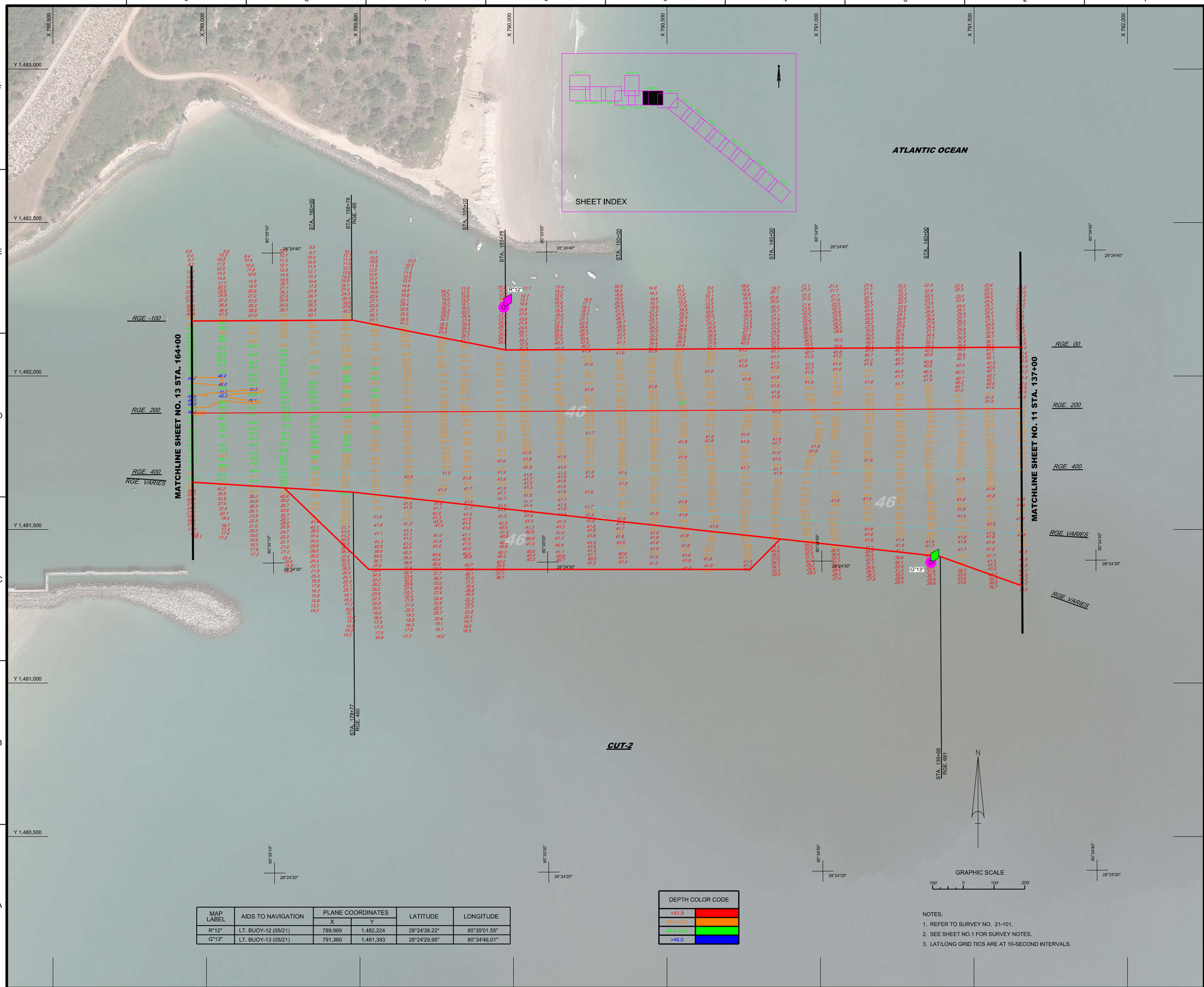
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 105+00 CUT - 1 THRU STA. 137+00 CUT - 2
PLAN

Scale: AS SHOWN

Drawing no.

11 / 18

SHEET 11 OF 19



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12"	LT. BUOY-12 (05/21)	789,969	1,482,224	28°24'38.22"	80°35'01.55"
G"13"	LT. BUOY-13 (05/21)	791,360	1,481,393	28°24'29.95"	80°34'46.01"

DEPTH COLOR CODE	
<41.9	
42.0-43.9	
44.0-45.9	
>46.0	

NOTES:

1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.: - - -
Dated: APR 2021

12-101-CJB-BR28.DGN
CANAVERAL-HARBOR-CAN-MCCF_WTB.DGN
CHLTTICS.DGN
21-101-VA-SOUN_C2_LF.DGN
21-101-VA-SOUN_C2.DGN
21-101-VA-NAV.DGN

Reference files:

21-101-VH-512.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

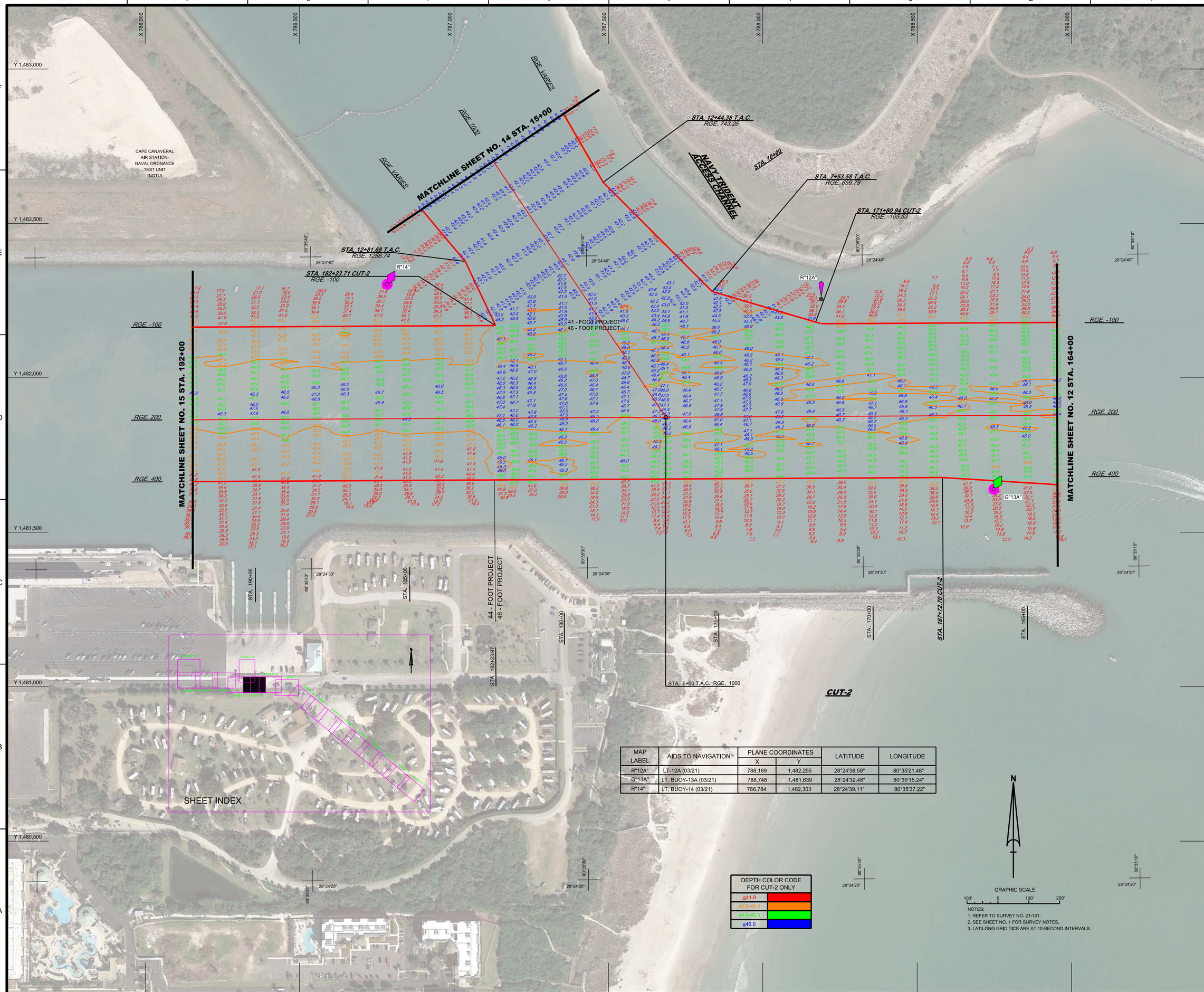
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 137+00 THRU STA. 164+00 CUT - 2
PLAN

Scale: AS SHOWN

Drawing no.

12 / 18

SHEET 12 OF 19



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12A"	LT-12A (03/21)	788,189	1,482,255	28°24'38.59"	80°35'21.48"
G"13A"	LT. BUOY-13A (03/21)	788,748	1,481,639	28°24'32.48"	80°35'15.24"
R"14"	LT. BUOY-14 (03/21)	786,784	1,482,303	28°24'39.11"	80°35'37.22"

NOTES:
1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Designed by: WRM
DWN by: WRM
Chk by: GMR
Rev. No.: - - -
Date: APR 2021

21-101-CJB-BR23.DGN
CANAVERAL-HARBOR-A-NGMCCF_WTB.DGN
CHLLTICS.DGN
21-101-V-SOUN_C2_LF.DGN
21-101-V-SOUN_C2_LF_LF.DGN
21-101-V-CON41.DGN
21-101-V-CON44.DGN
21-101-V-CON46.DGN
Reference files:
21-101-VH-013.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

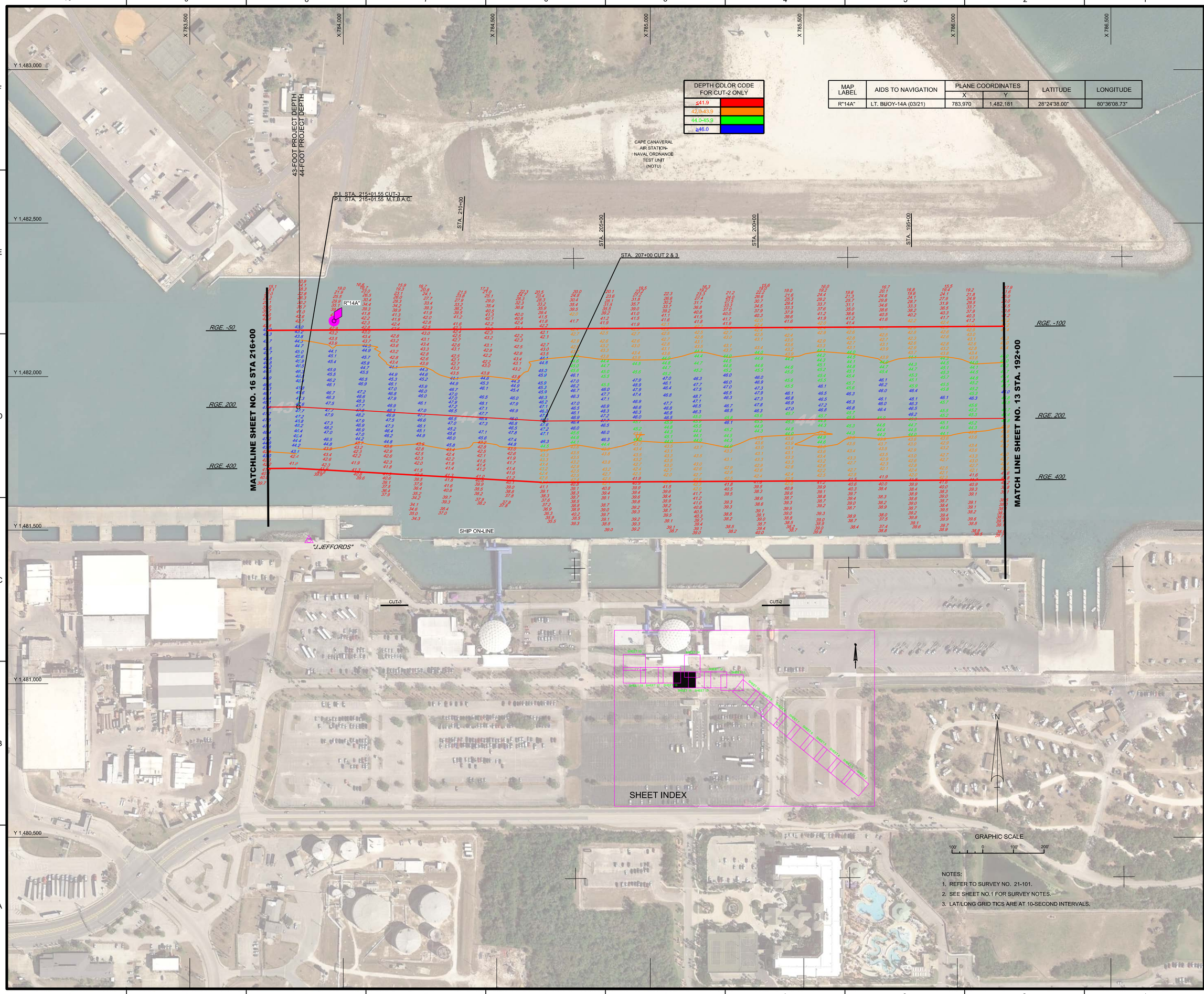
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 164+00 THRU STA. 192+00 CUT - 2
PLAN

Scale: AS SHOWN

Drawing no.

13 / 18

SHEET 13 OF 19



DEPTH COLOR CODE FOR CUT-2 ONLY	
≤41.9	
42.0-43.9	
44.0-45.9	
≥46.0	

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14A"	LT. BUOY-14A (03/21)	783,970	1,482,181	28°24'38.00"	80°36'08.73"

NOTES:
1. REFER TO SURVEY NO. 21-101.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
		A-N	ABCD

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

Checked by: GMR
Designed by: WRM
DWN by: WRM
Inv. No. - - -
Date: APR 2021

21-101-C-B-C-BRIDG.DGN
CANAVERAL HARBOR-C-NGMCCF_WTR.DGN
21-101-A-SOUN_C2_LF.DGN
21-101-A-SOUN_C3_LF.DGN
21-101-A-SOUN_C4_LF.DGN
21-101-A-CONN.DGN
21-101-A-CONN44.DGN
21-101-A-NAVA.DGN
Reference files:
21-101-VR-015.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

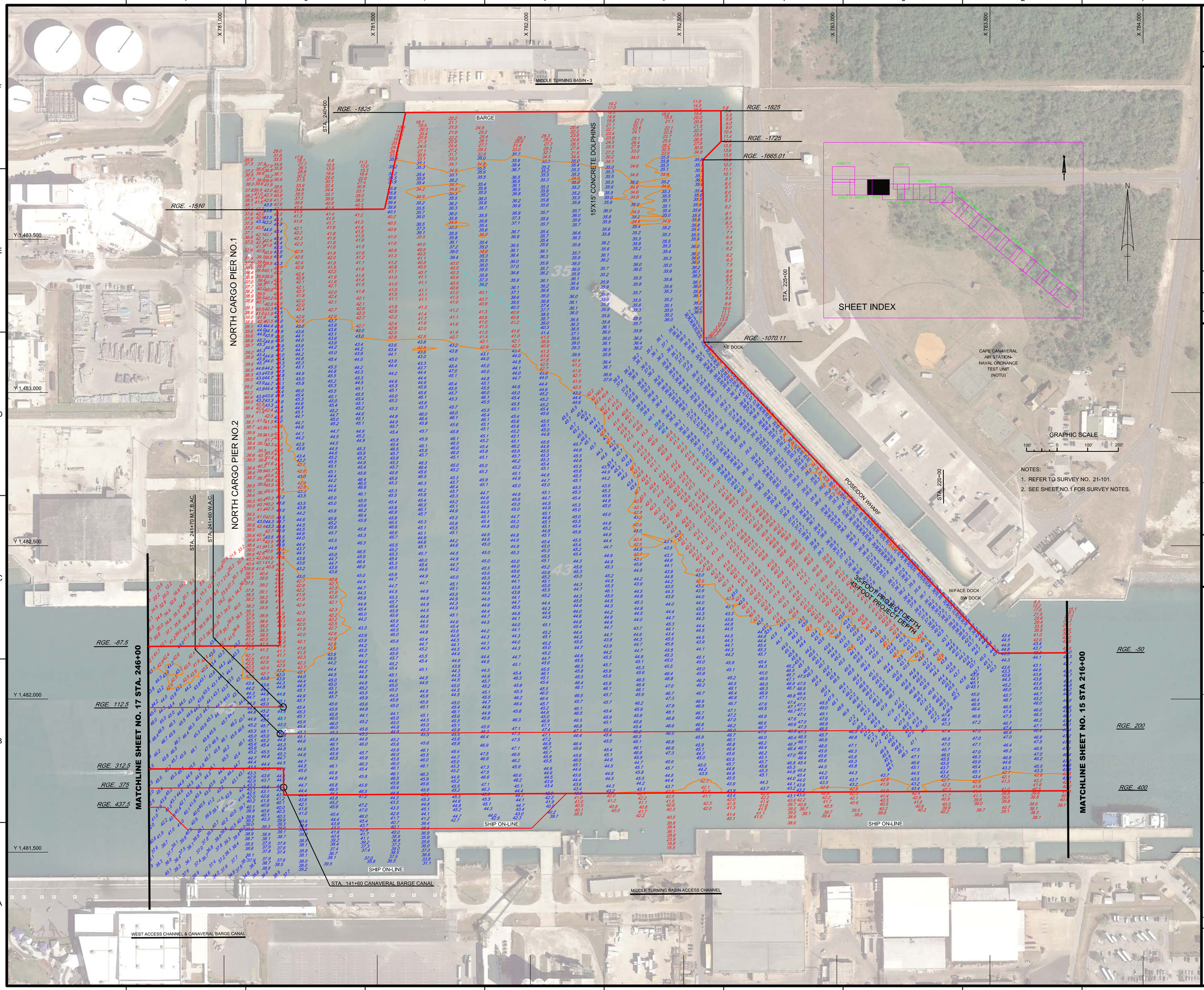
35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 192+00 CUT - 2 THRU STA. 216+00 M.T.B.
PLAN

Scale: AS SHOWN

Drawing no.

14 / 18

SHEET 15 OF 19



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N		A-N	ABCD

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

Checked by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. ---
Date: APR 2021

7:=101-CAS-BRDG.DGN
CANAVERAL-BARGE-CAN-NGMCCF_WTB.DGN
21=101-V-SOUN_WTB_LF.DGN
21=101-V-SOUN_POS_LL_LF.DGN
21=101-V-SOUN_WAC-WTB-CBC.DGN
21=101-V-SOUN_WAC-WTB-CBC.DGN
21=101-V-CONN5.DGN
21=101-V-CONN3.DGN
Reference files:
21=101-VH016.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 216+00 M.T.B.A.C. THRU STA. 246+00 W.A.C.
PLAN

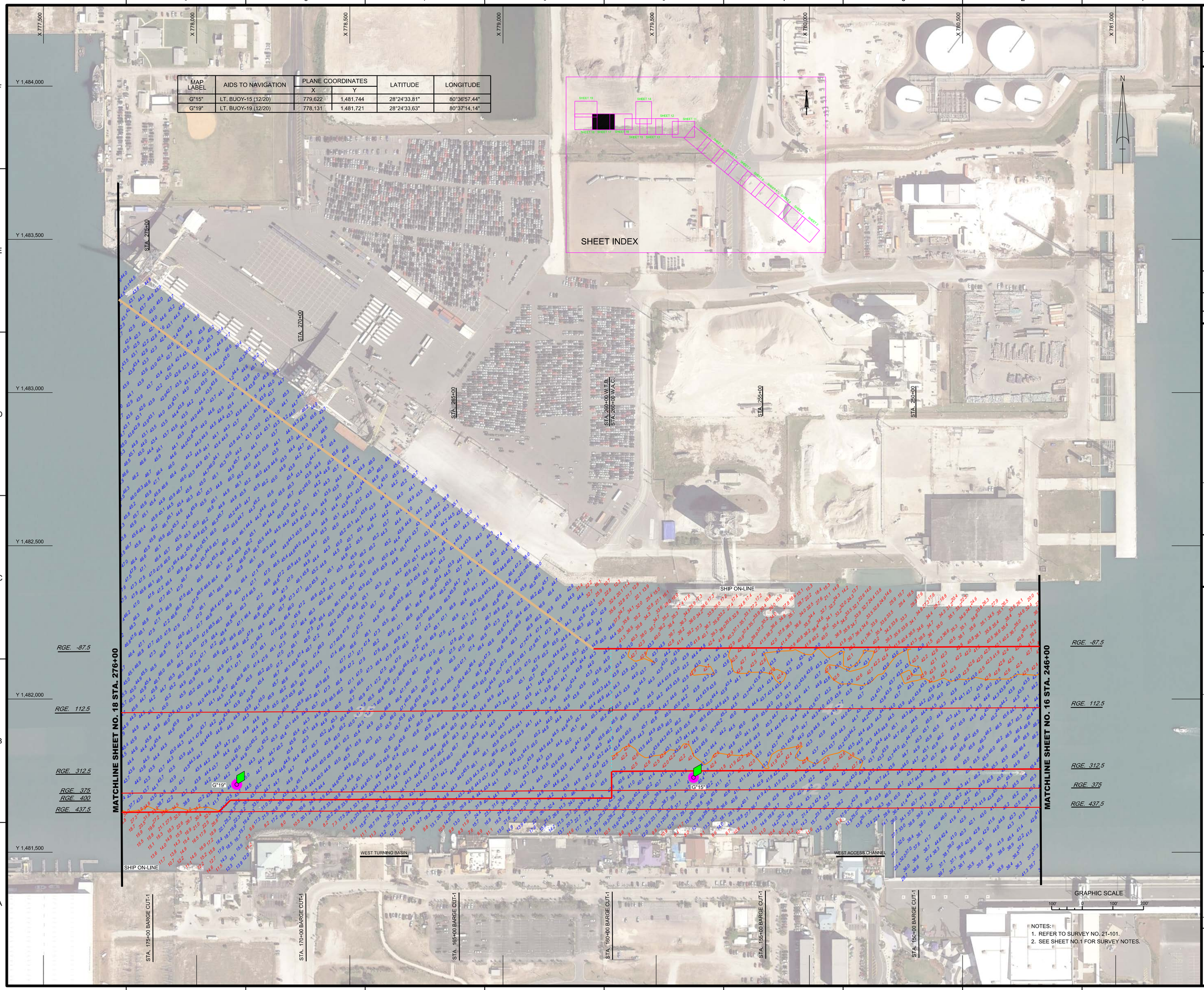
Scale: AS SHOWN

Drawing no.

15 / 18

SHEET 16 OF 19

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"15"	LT. BUOY-15 (12/20)	779,622	1,481,744	28°24'33.81"	80°36'57.44"
G"19"	LT. BUOY-19 (12/20)	778,131	1,481,721	28°24'33.63"	80°37'14.14"



NOTES:
1. REFER TO SURVEY NO. 21-101.
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
N		A-N	ABCD

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

Designed by: VRM
Drawn by: WRM
Checked by: GMR
Inv. No. - - -
Date: APR 2021

Reference files:
21-101-C-BASE-BIDS.DGN
CANAVERAL HARBOR-C-NGMCCF_WTB.DGN
21-101-V-SOUN_WAC-WTB-CBC.DGN
21-101-V-CONS.DGN
21-101-V-AERIAL.DGN
21-101-V-NAV.DGN

File name: 21-101-VPH-017.DGN

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT
STA. 246+00 W.A.C. THRU STA. 276+00 W.T.B.
PLAN

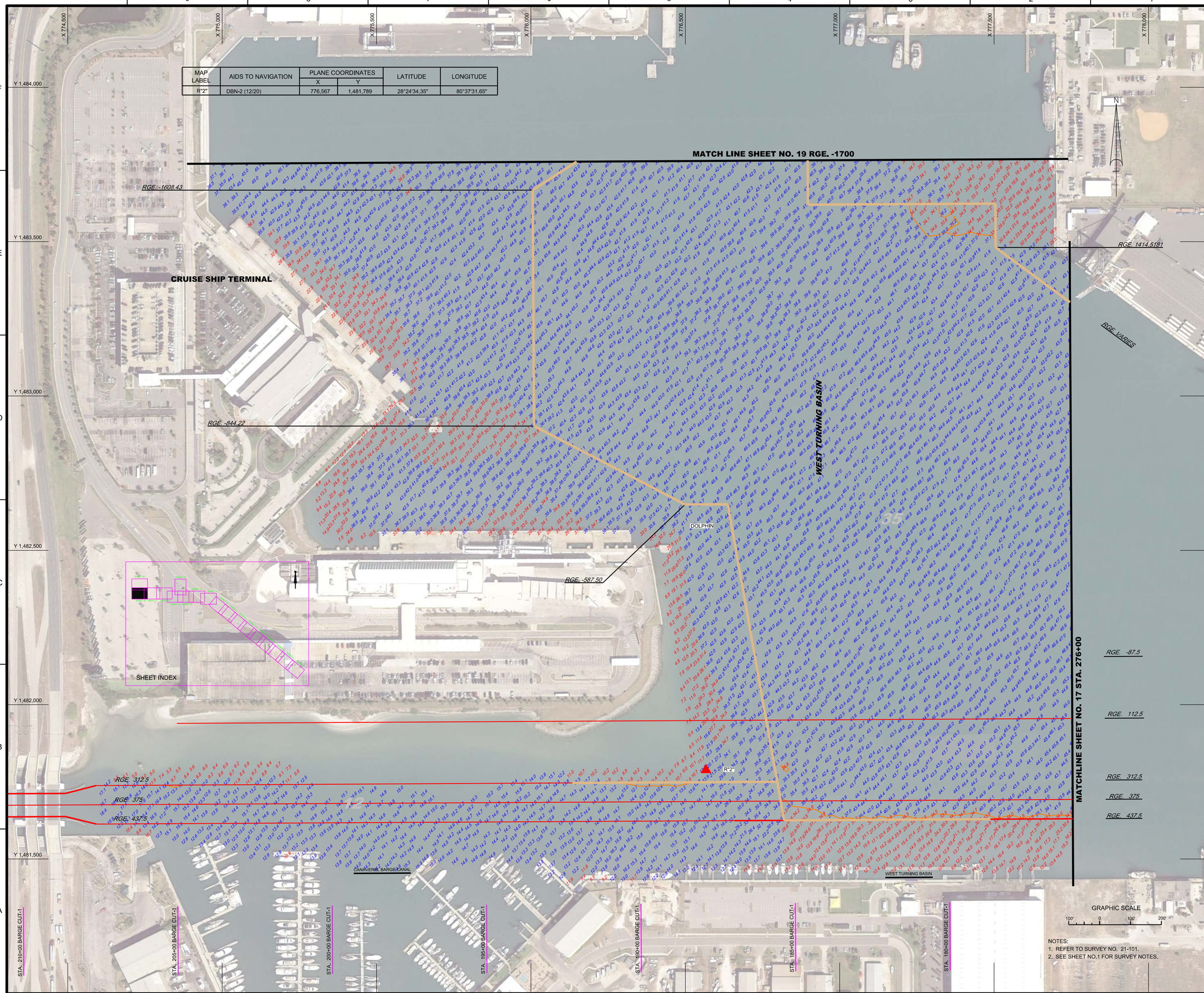
Scale: AS SHOWN

Drawing no.

16 / 18

SHEET 17 OF 19

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	DBN-2 (12/20)	776,567	1,481,789	28°24'34.35"	80°37'31.65"



NOTES:
1. REFER TO SURVEY NO. 21-101.
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
1		A-N	ABCD

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

Designed by: WRM
DWN by: WRM
Chk by: GMR
Rev. No. - - -
Date: APR 2021

21-101-VA-SUR-BRDR.DGN
C:\NAVPERS\-BHRBL\C-ENGMCCF_WTB.DGN
21-101-V-SOUN_WAC-WTB-CBC.DGN
21-101-V-CONT2.DGN
21-101-V-CONT1.DGN
21-101-V-AOV.DGN

Reference files:
21-101-VH-018.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT

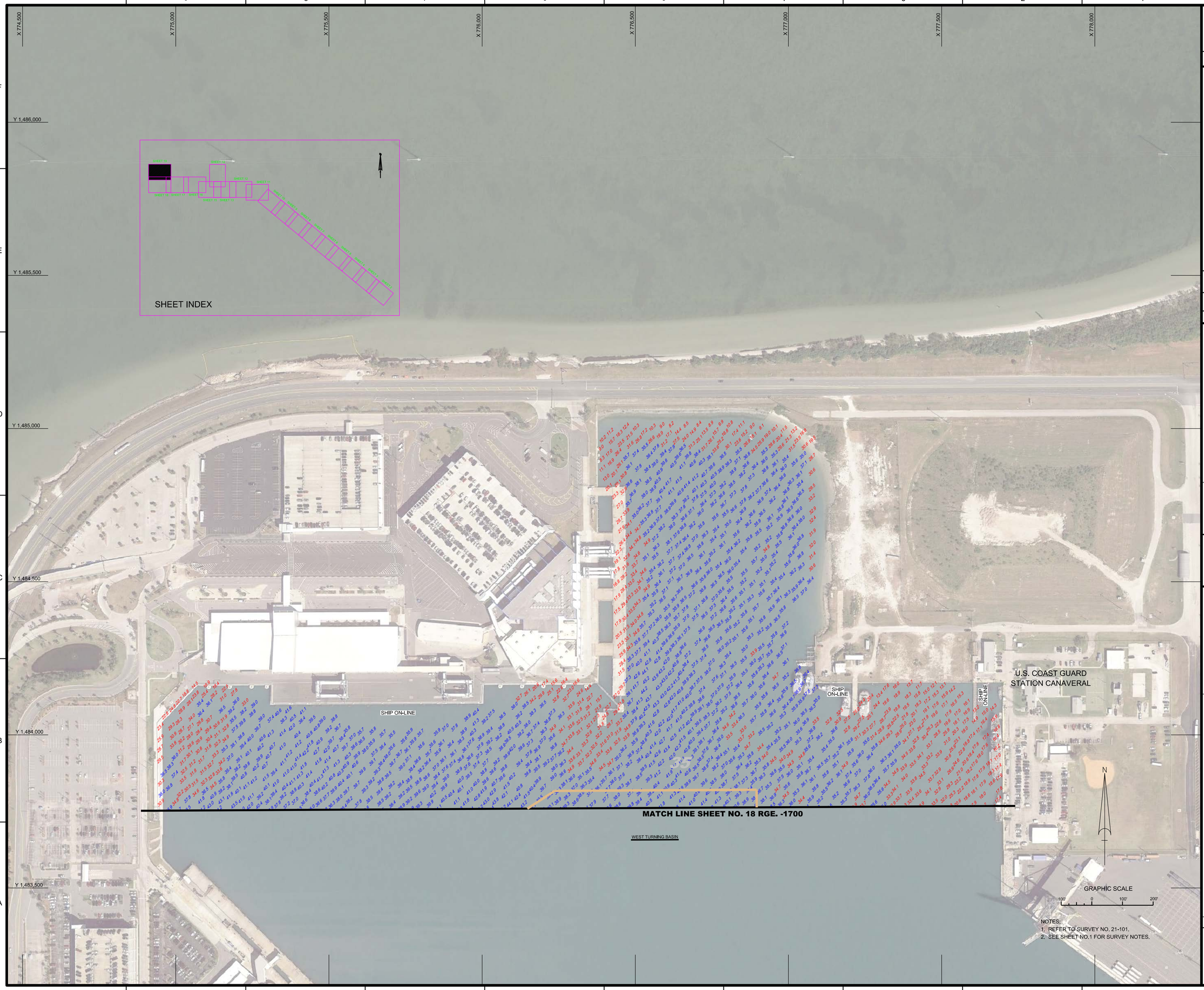
STA. 276+00 W.T.B. THRU END OF WEST TURNING BASIN PLAN

Scale: AS SHOWN

Drawing no.

17 / 18

SHEET 18 OF 19



NOTES:
1. REFER TO SURVEY NO. 21-101.
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
N		A-N	ABCD

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. - - -
Date: APR 2021

21-101-C-B-R-P-D.DGN
CANAVERAL HARBOR-CNCMCCE_WTB.DGN
21-101-VXSOUN_WACWTB-CBC.DGN

Reference files:
21-101-VH-019.DGN
File name:

CANAVERAL HARBOR
BREVARD COUNTY, FLORIDA

2Q PORT HYDRO EXAM SURVEY FY21

35, 39, 41, 43, 44 AND 46-FOOT PROJECT
WEST TURNING BASIN
PLAN

Scale: AS SHOWN

Drawing no.

18 / 18

SHEET 19 OF 19