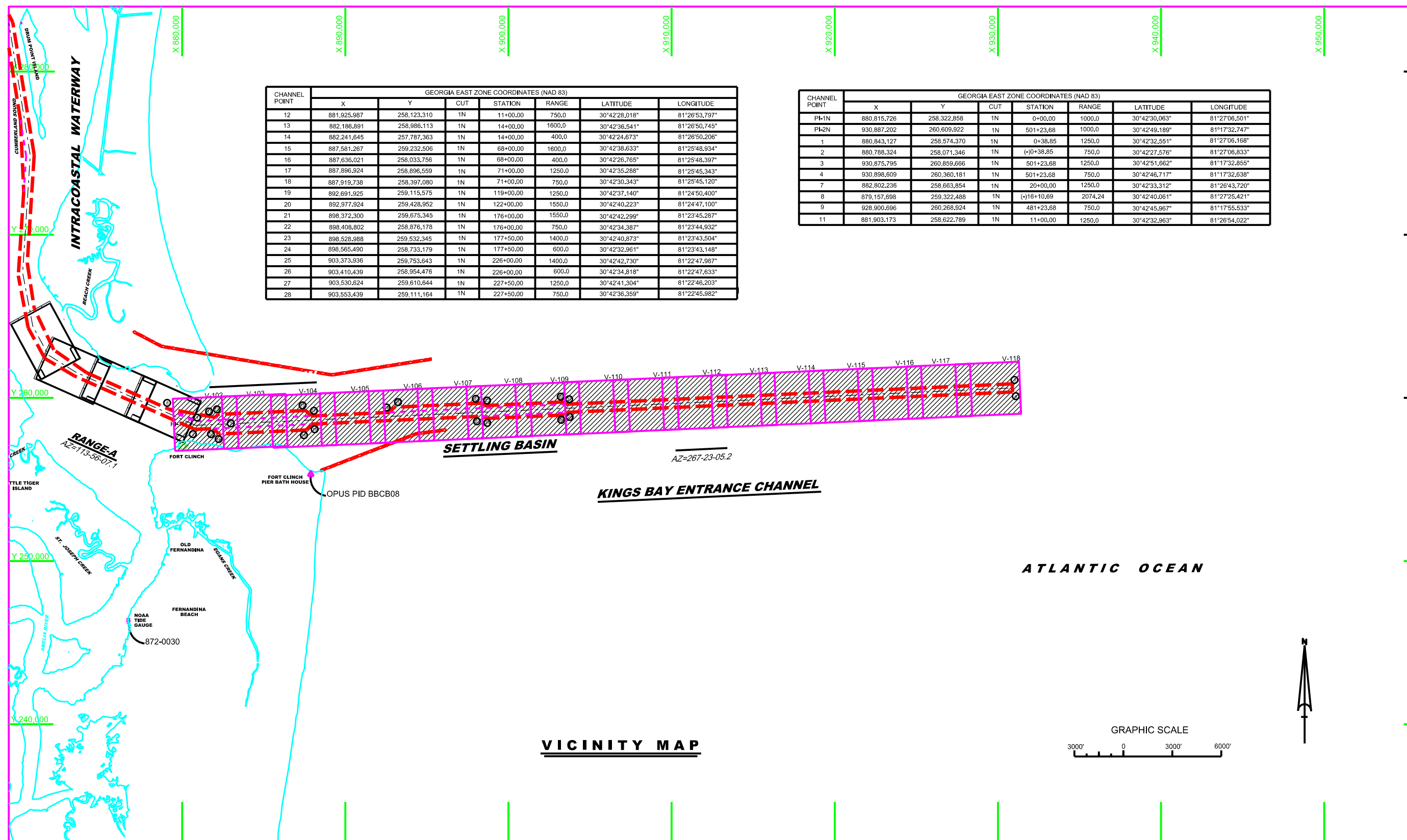
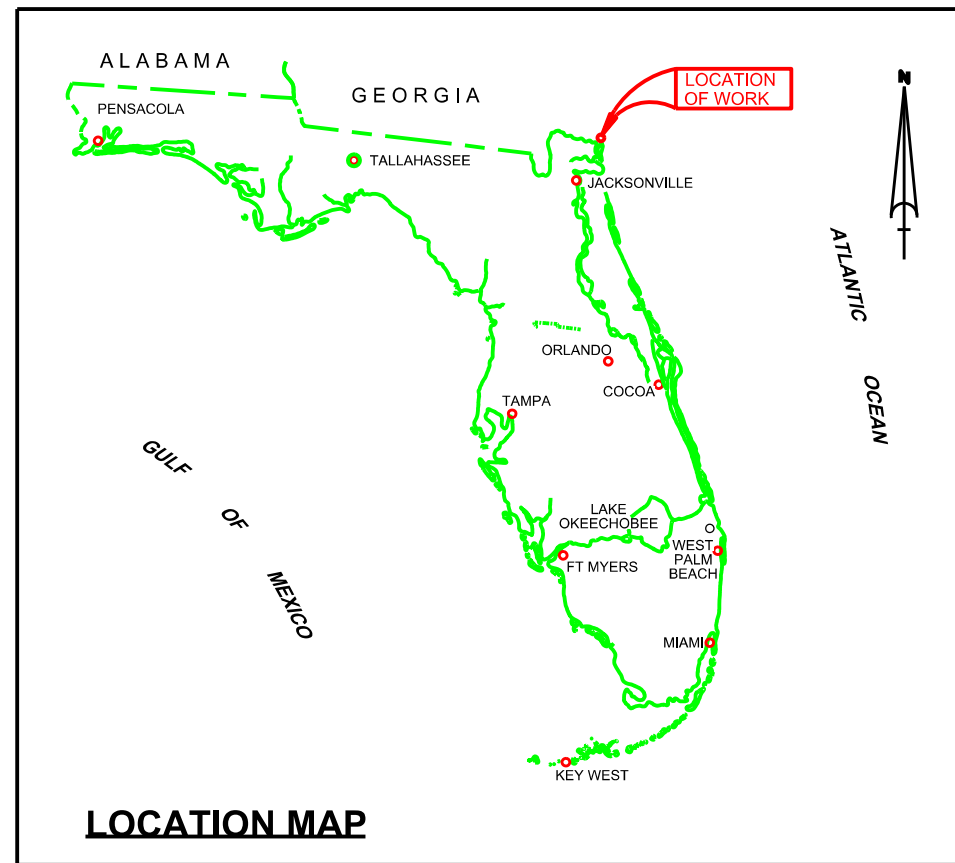


KINGS BAY ENTRANCE CHANNEL

BIMONTHLY EXAMINATION SURVEY - OCT 2015



MAP SHEET NOTES:

- REFER TO SURVEY NO. 15-188.
- 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 SITES SPECIFIED BELOW:
NOAA TIDAL STATION: 872-0030 FERNANDINA BEACH, AMELIA RIVER, FLORIDA FOR CUT-IN.
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM (KTD) FILE. FILE NAME: KINGSBAY-2013 06 10.KTD.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF GEORGIA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:
REFERENCE BASE LOCATED AT "BATH HOUSE ARP", OPUS PID: BBCB08 AND "RICHARD E. BONNER", (OPUS PID: BBCK39) FOR ENTIRE PROJECT.
TIDE STAFF WAS SET NEAR FERNANDINA MUNICIPAL MARINA FROM "RICHARD E. BONNER".
- VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC MODEL 2024 MULTI-BEAM SYSTEM, AND A ROSS MODEL 830C DUAL-FREQUENCY SOUNDER WITH A 28200 KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS FROM STA. 0+00 TO STA. 200+00 AND STA. 350+00 TO STA. 501+24 ARE SHOWN IN HIGH FREQUENCY (240 KHZ) AND LOW FREQUENCY (28 KHZ) FROM STA. 200+00 TO STA. 350+00.
- SURVEY VESSEL DATE OF SURVEY AREA SURVEYED
SV-FLORIDA II 01 OCT 2015 CUT-IN, STA 115+00 TO STA 202+00
SV-FLORIDA II 06 OCT 2015 CUT-IN, STA 0+00 TO STA 115+00
SV-FLORIDA II 07 OCT 2015 CUT-IN, STA 200+00 TO STA 290+00
SV-FLORIDA II 08 OCT 2015 CUT-IN, STA 291+00 TO STA 501+24
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
- 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 SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
- SURVEY ACCURACY 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 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

LEGEND

| |
|--------------------|
| MONUMENT |
| LIGHTED BEACON |
| GREEN DAYBEACON |
| RED DAYBEACON |
| RED LIGHTED BUOY |
| GREEN LIGHTED BUOY |
| CAN BUOY |
| NUN BUOY |
| TIDE STAFF |
| MAJOR CONTOUR |
| MINOR CONTOUR |
| MAJOR DEPRESSION |
| MINOR DEPRESSION |

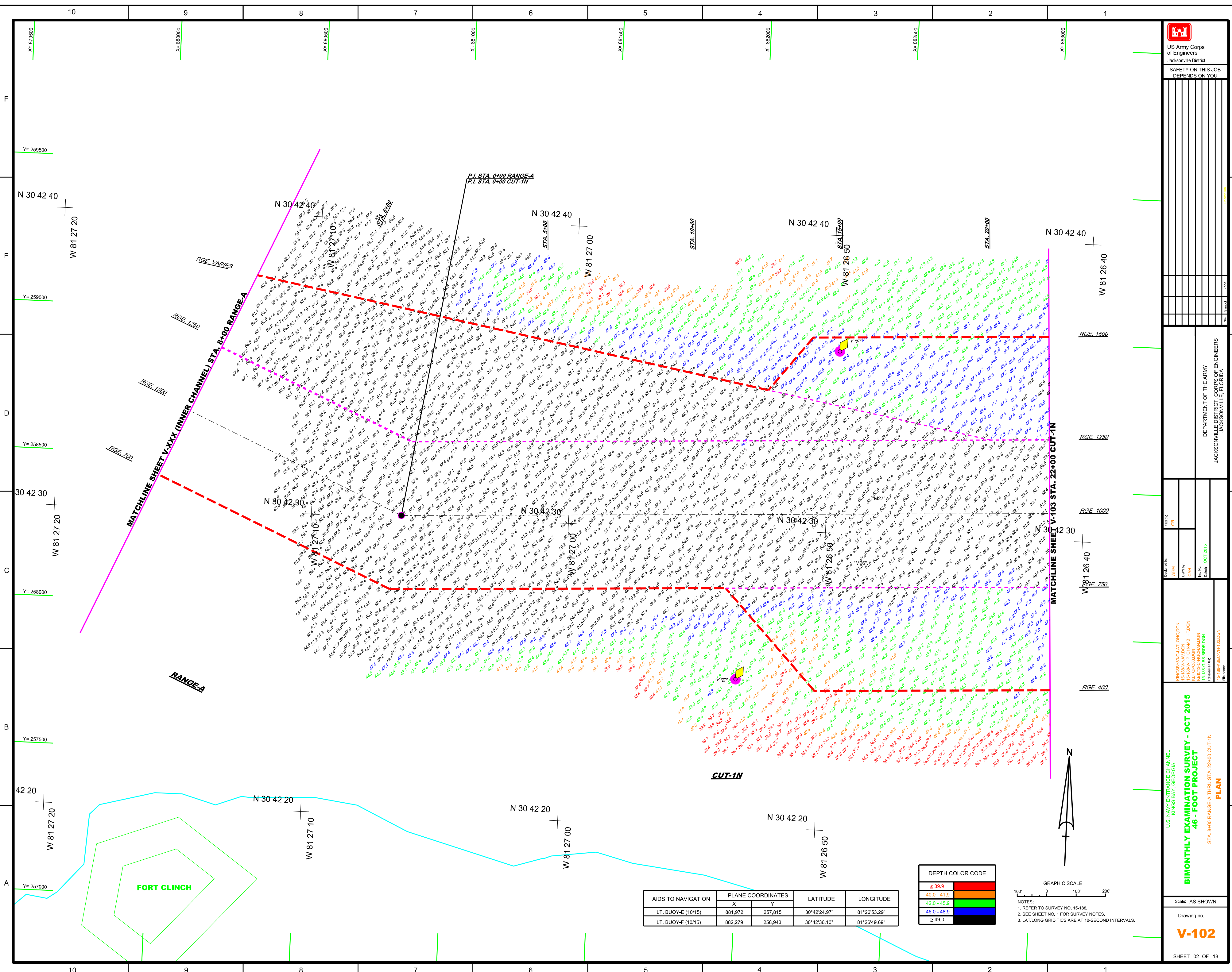
US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

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

DESIGNED BY: WRM
DRAWN BY: CAH
CHECKED BY: CAH
DATE: OCT 2015

PROJECT: BIMONTHLY EXAMINATION SURVEY - OCT 2015
INDEX LOCATION AND VICINITY MAP


Scale: AS SHOWN
Drawing no. V-101
SHEET 01 OF 18



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-E (10/15) | 881.972 | 257.815 | 30°42'24.97" | 81°26'53.29" |
| LT. BUOY-F (10/15) | 882.279 | 258.943 | 30°42'36.10" | 81°26'49.69" |

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

GRAPHIC SCALE
 100' 0 100' 200'
 NOTES:
 1. REFER TO SURVEY NO. 15-188.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.
 3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



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 Jacksonville District
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 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

U.S. NAVY ENTRANCE CHANNEL
 KINGS BAY, GEORGIA

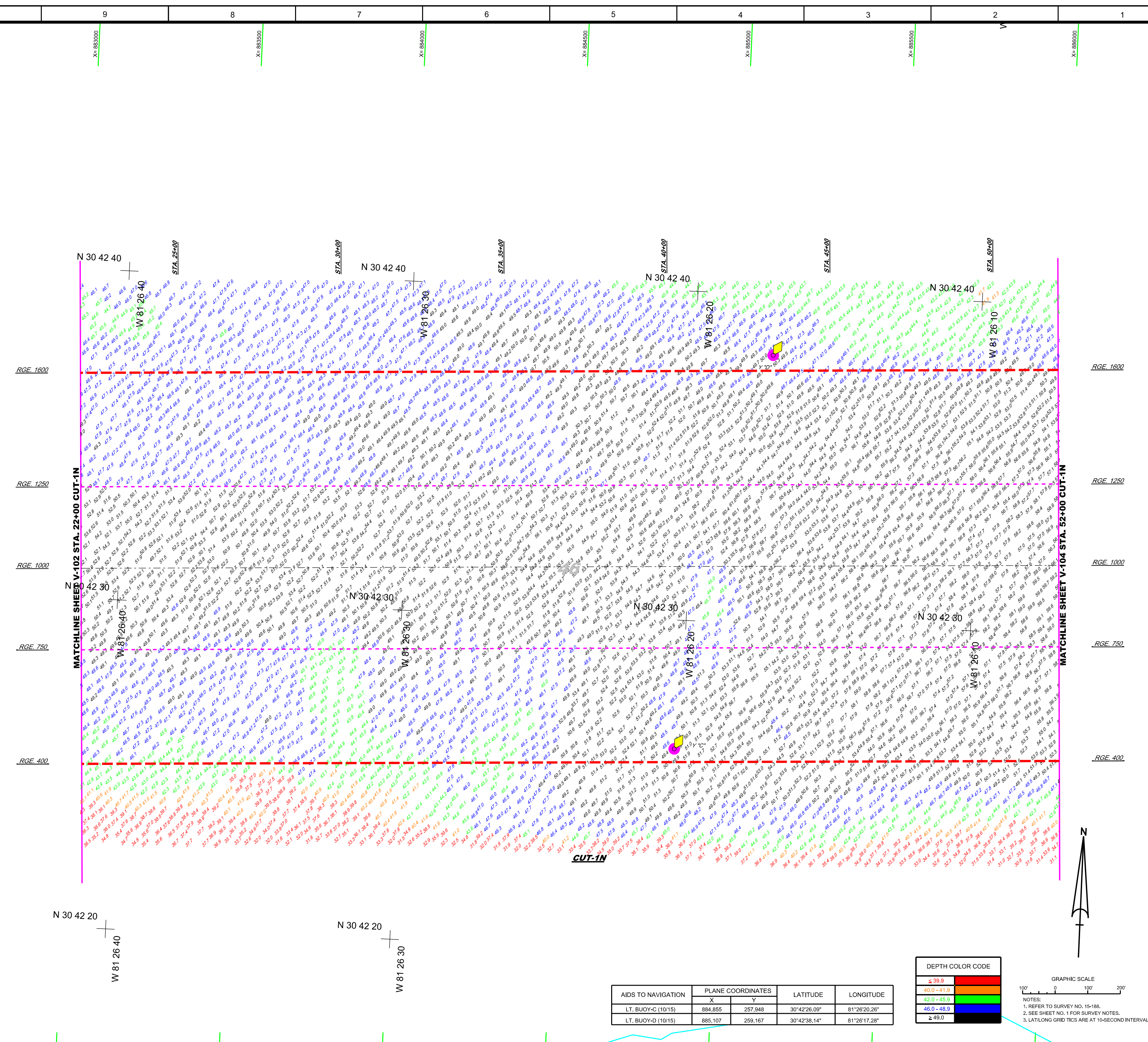
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT

STA. 8+00 RANGE-A THRU STA. 22+00 CUT-IN
PLAN

Scale: AS SHOWN

Drawing no.
V-102

SHEET 02 OF 18



DEPTH COLOR CODE

| | |
|-------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-C (10/15) | 884,855 | 257,948 | 30°42'26.09" | 81°26'20.26" |
| LT. BUOY-D (10/15) | 885,107 | 259,167 | 30°42'38.14" | 81°26'17.28" |

GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

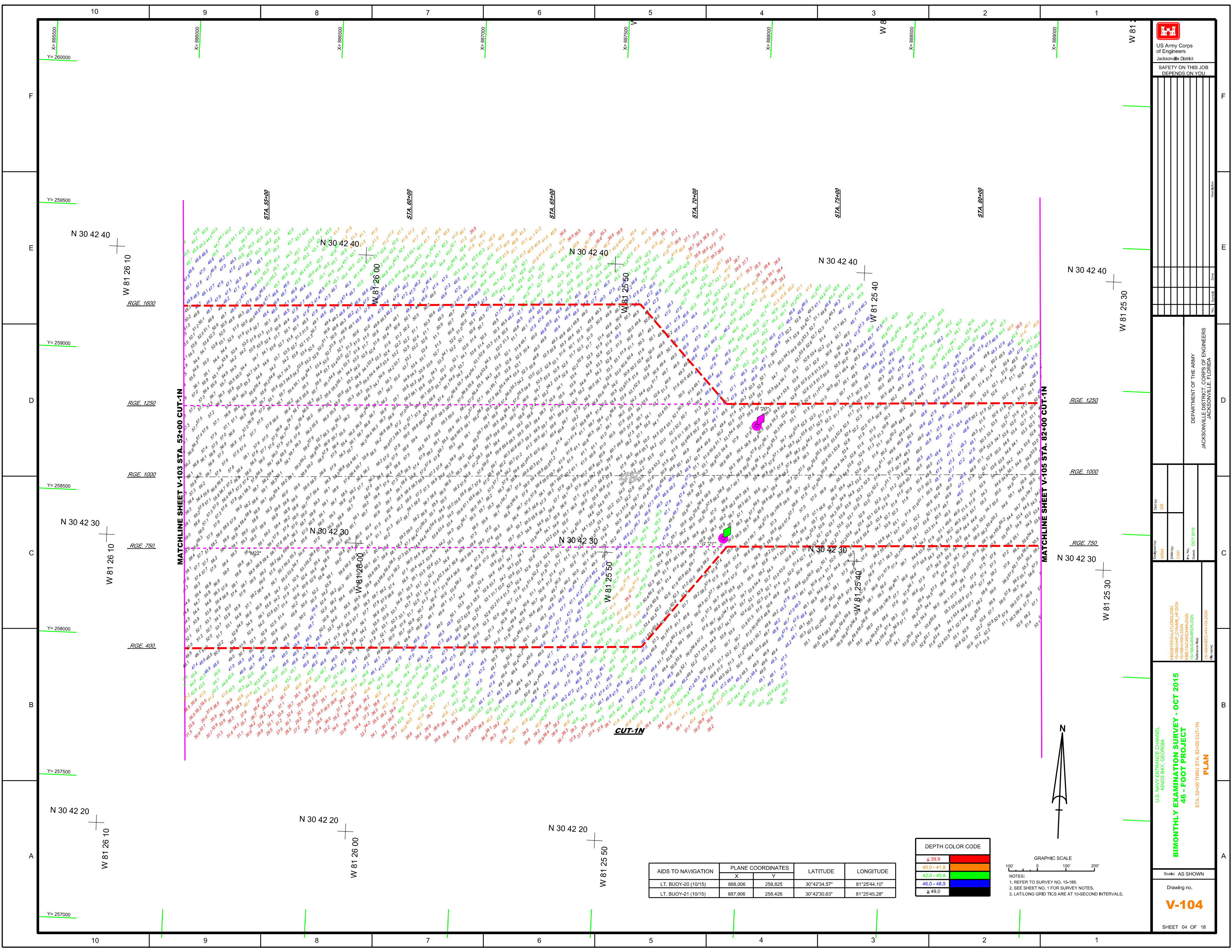
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Jacksonville District
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JACKSONVILLE DISTRICT CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CHARTERED BY: GRI
DRAWN BY: CAH
DATE: OCT 2015

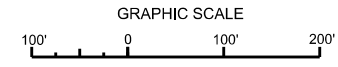
PROJECT: KINGSBAY, GEORGIA
U.S. NAVY ENTRANCE CHANNEL
KINGSBAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT
PLAN
STA. 52+00 THRU STA. 82+00 CUT-IN
Reference File: 15-1884-REC-AH-104.DGN

Scale: AS SHOWN
Drawing no. **V-104**
SHEET 04 OF 18

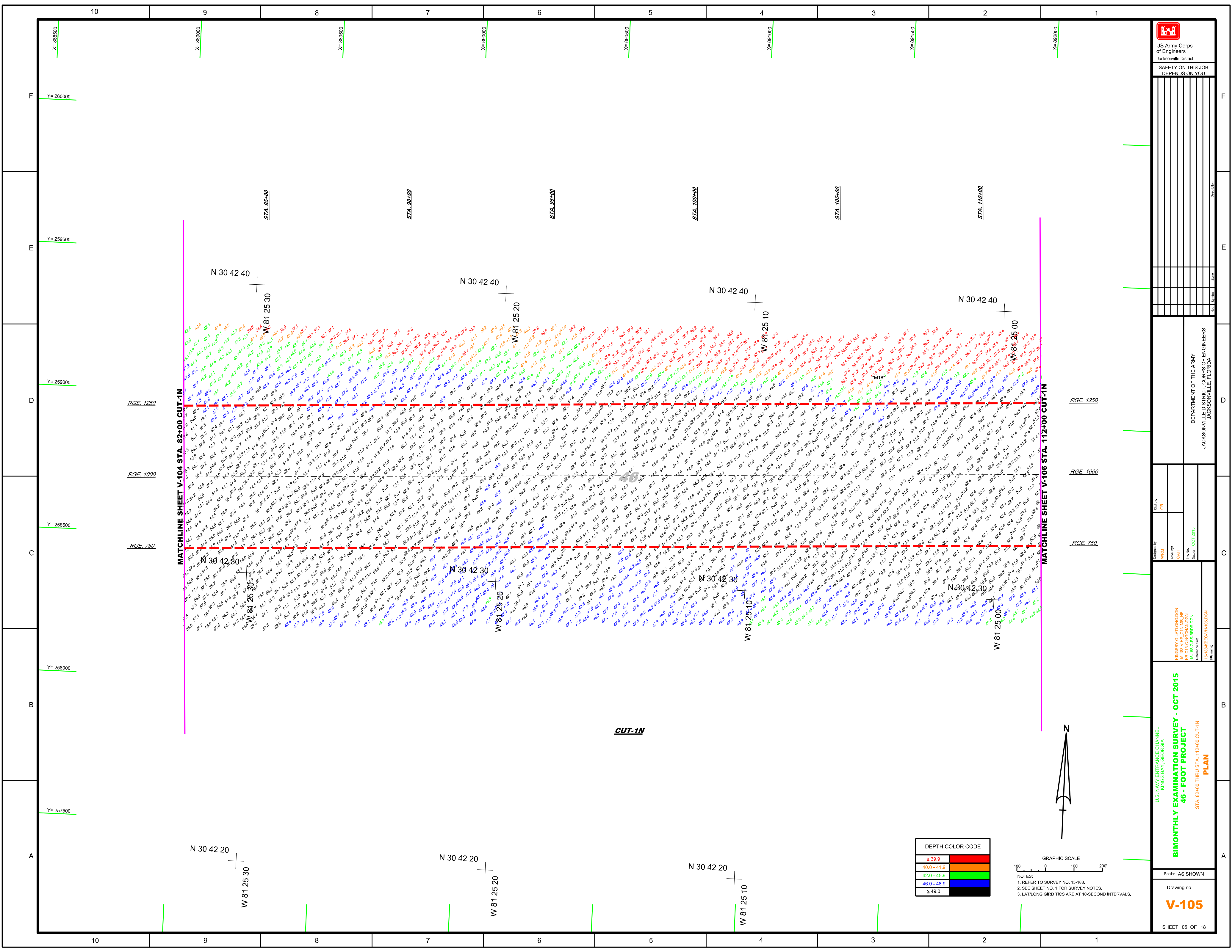


| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-20 (10/15) | 888,006 | 258,825 | 30°42'34.57" | 81°25'44.10" |
| LT. BUOY-21 (10/15) | 887,906 | 258,426 | 30°42'30.63" | 81°25'45.28" |



NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



RGE. 1250
RGE. 1000
RGE. 750

RGE. 1250
RGE. 1000
RGE. 750

MATCHLINE SHEET V-104 STA. 82+00 CUT-IN

MATCHLINE SHEET V-106 STA. 112+00 CUT-IN

CUT-IN

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

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JACKSONVILLE DISTRICT CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CHIEF: GRL
DESIGNED BY: WRM
DRAWN BY: CAH
DATE: OCT 2015

WINGSBY-GATLONDON
BRYCE-GACHALDON
S-188-CB-BROLDON
Reference File: S-188-REC-VH-100.DGN

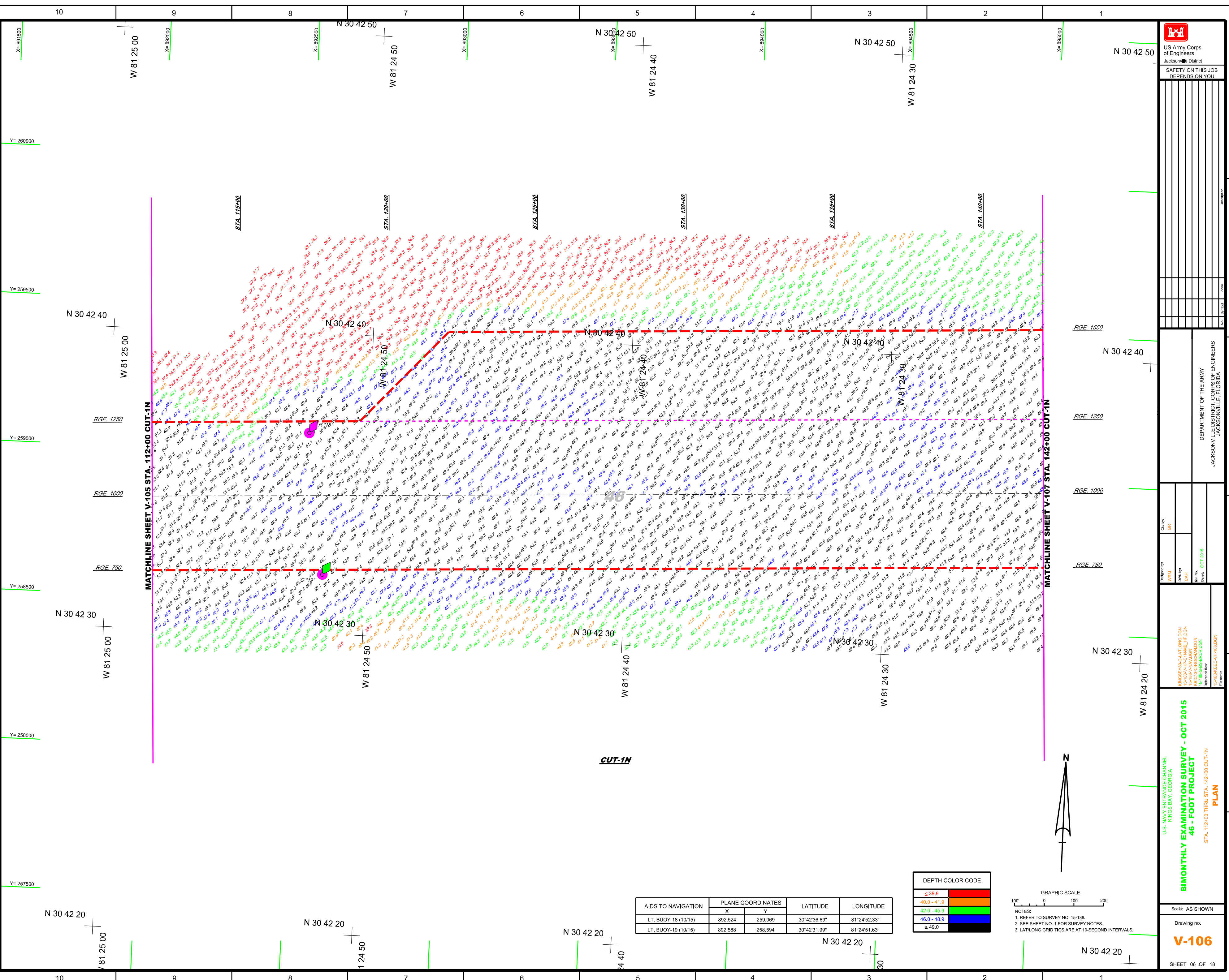
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT
PLAN

STA. 82+00 THRU STA. 112+00 CUT-IN

Scale: AS SHOWN

Drawing no. **V-105**

SHEET 05 OF 18

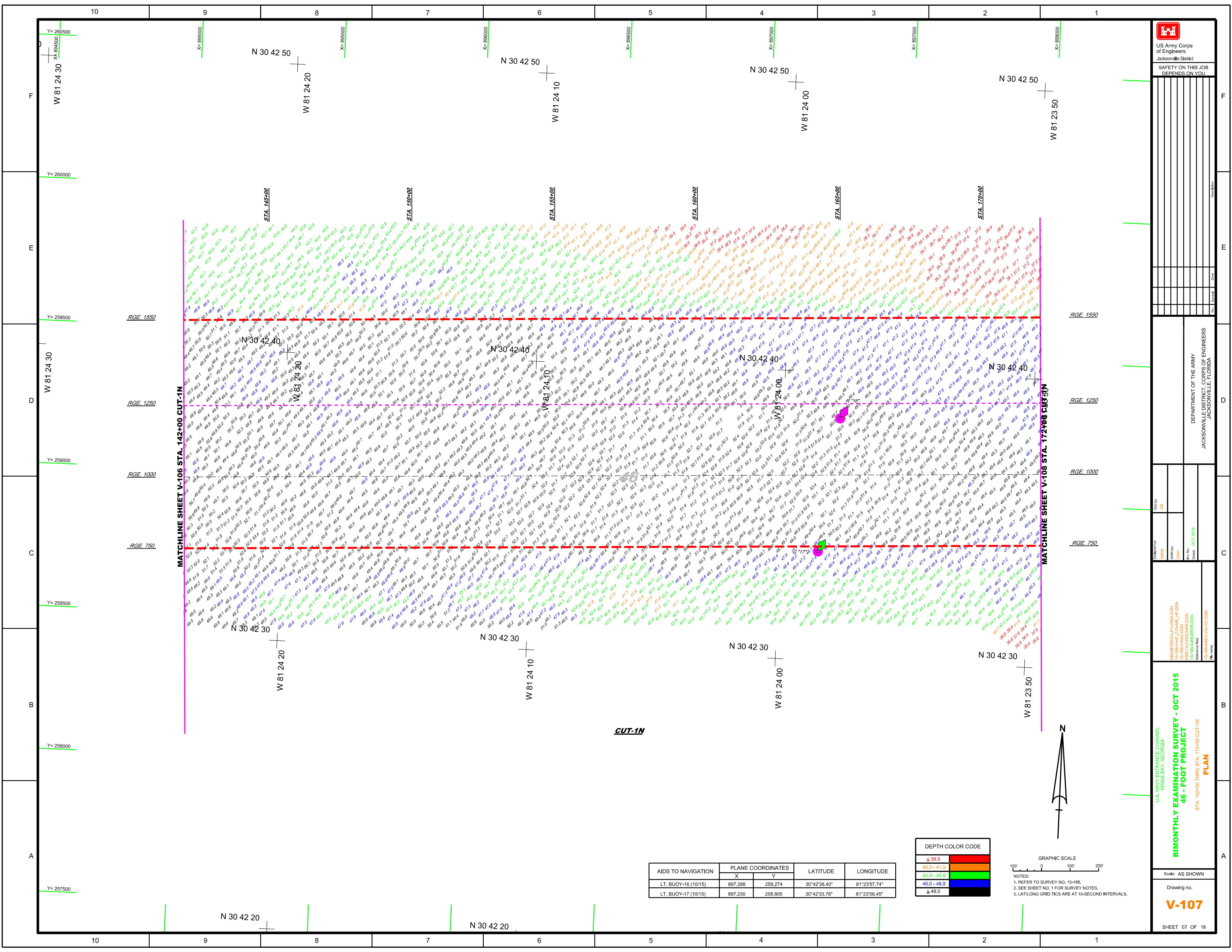


| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-18 (10/15) | 892,524 | 259,069 | 30°42'36.69" | 81°24'52.33" |
| LT. BUOY-19 (10/15) | 892,588 | 258,594 | 30°42'31.99" | 81°24'51.63" |

| DEPTH COLOR CODE | |
|------------------|----------|
| ≤ 39.9 | [Red] |
| 40.0 - 41.9 | [Orange] |
| 42.0 - 45.9 | [Yellow] |
| 46.0 - 48.9 | [Green] |
| ≥ 49.0 | [Black] |

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TIC'S ARE AT 10-SECOND INTERVALS.



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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CHART: GR
DRAWN BY: CAH
DATE: OCT 2015

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT
PLAN
STA. 142+00 THRU STA. 172+00 CUT-IN

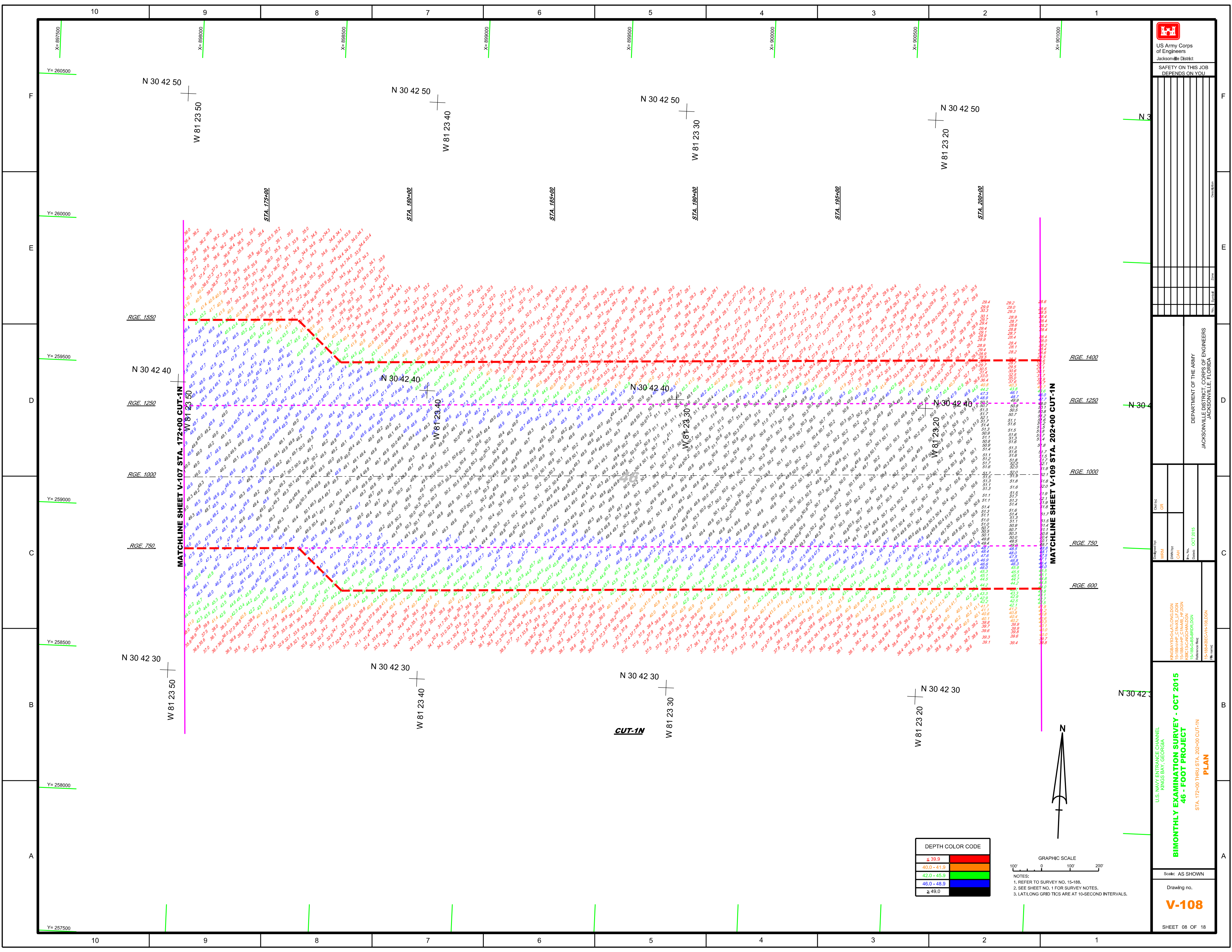
Scale: AS SHOWN
Drawing no. **V-107**
SHEET 07 OF 18

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-16 (10/15) | 897,288 | 259,274 | 30°42'38.40" | 81°23'57.74" |
| LT. BUOY-17 (10/15) | 897,230 | 258,805 | 30°42'33.76" | 81°23'58.45" |

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICCS ARE AT 10-SECOND INTERVALS.

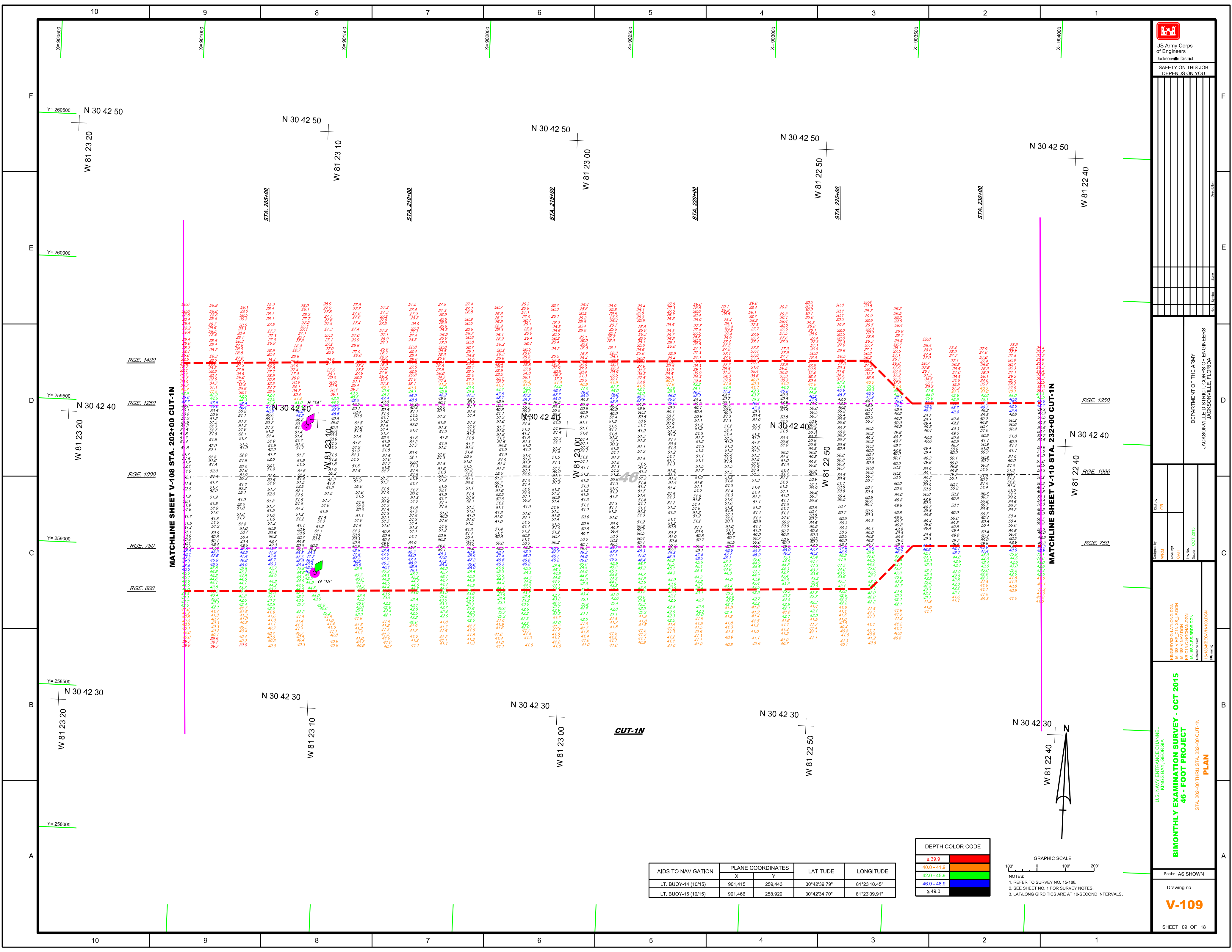


| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



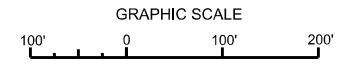
NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.





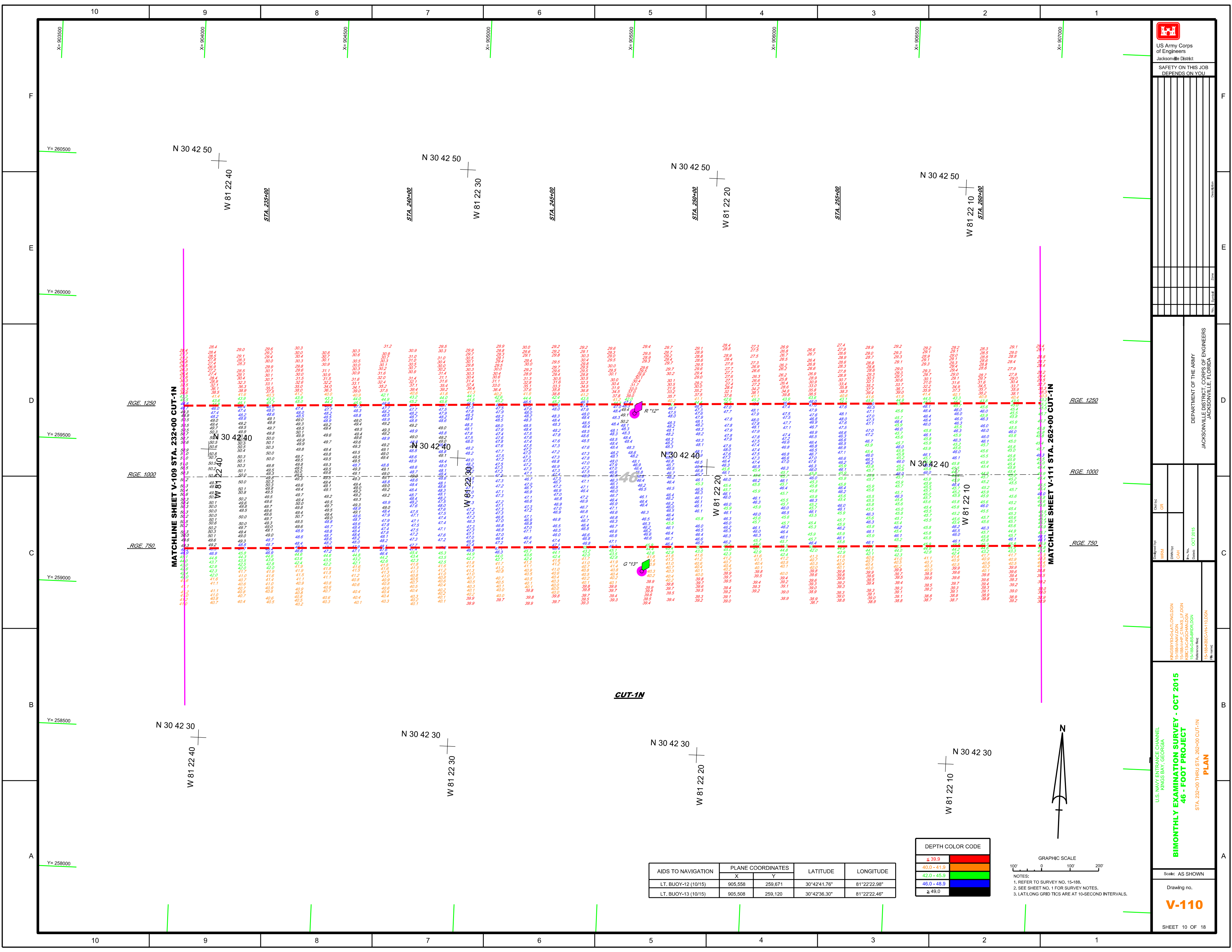
DEPTH COLOR CODE

| | |
|-------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



NOTES:
 1. REFER TO SURVEY NO. 15-188.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.
 3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-14 (10/15) | 901.415 | 259.443 | 30°42'39.79" | 81°23'10.45" |
| LT. BUOY-15 (10/15) | 901.466 | 258.929 | 30°42'34.70" | 81°23'09.91" |

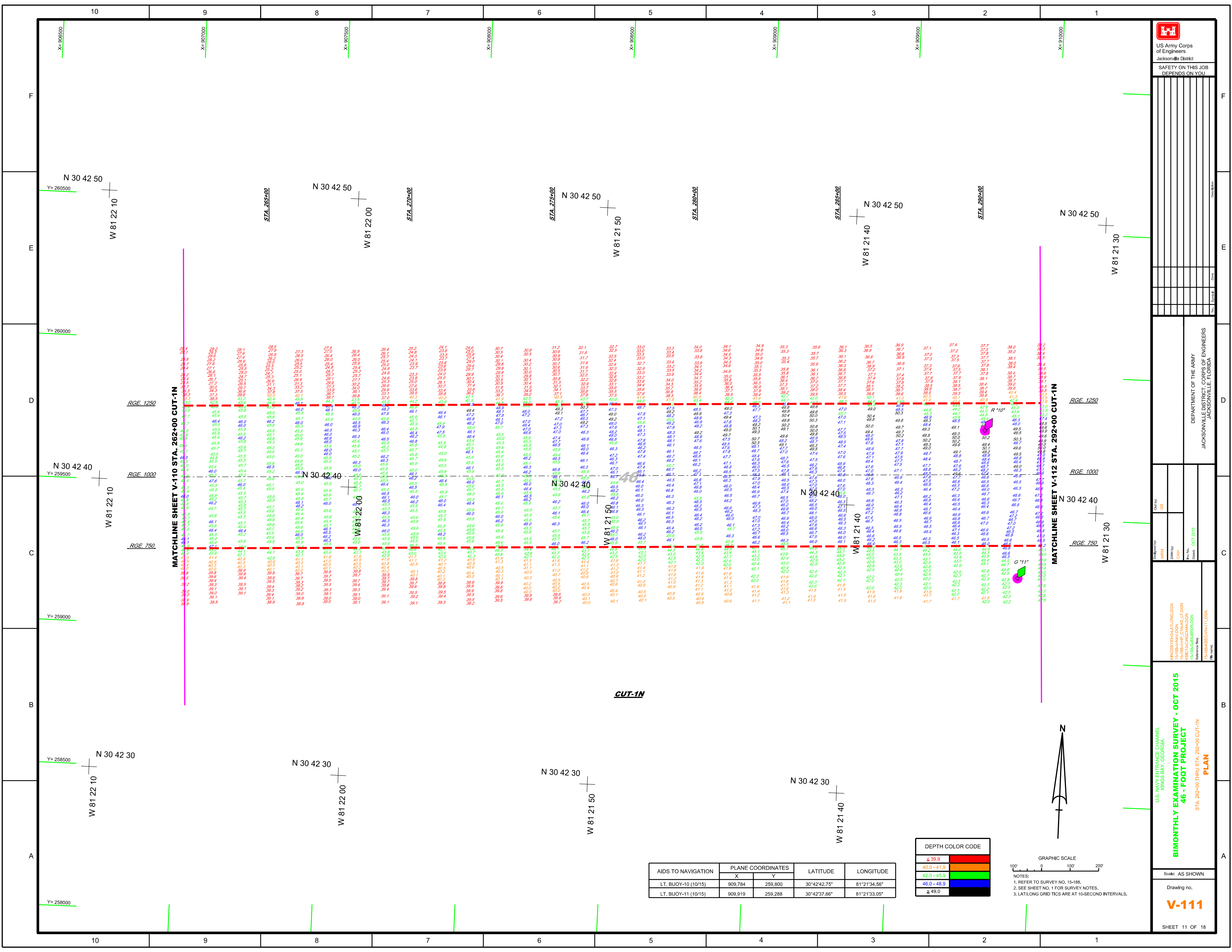


| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-12 (10/15) | 905.558 | 259.671 | 30°42'41.76" | 81°22'22.98" |
| LT. BUOY-13 (10/15) | 905.508 | 259.120 | 30°42'36.30" | 81°22'22.46" |

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

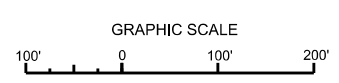


NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICCS ARE AT 10-SECOND INTERVALS.



DEPTH COLOR CODE

| | |
|-------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICCS ARE AT 10-SECOND INTERVALS.

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-10 (10/15) | 909.784 | 259.800 | 30°42'42.75" | 81°21'34.56" |
| LT. BUOY-11 (10/15) | 909.919 | 259.288 | 30°42'37.66" | 81°21'33.05" |

CUT-IN

MATCHLINE SHEET V-110 STA. 262+00 CUT-IN

MATCHLINE SHEET V-112 STA. 292+00 CUT-IN

RGE. 1250

RGE. 1250

RGE. 1000

RGE. 1000

RGE. 750

RGE. 750



US Army Corps of Engineers
Jacksonville District

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

CHARTERED BY: GRI
DESIGNED BY: WRM
DRAWN BY: CAH
DATE: OCT 2015

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

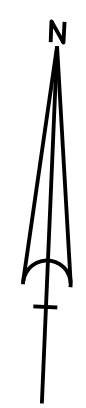
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT

15-188-00-00 THRU STA. 322+00 CUT-IN
15-188-00-00 THRU STA. 322+00 CUT-IN

Scale: AS SHOWN

Drawing no. **V-112**

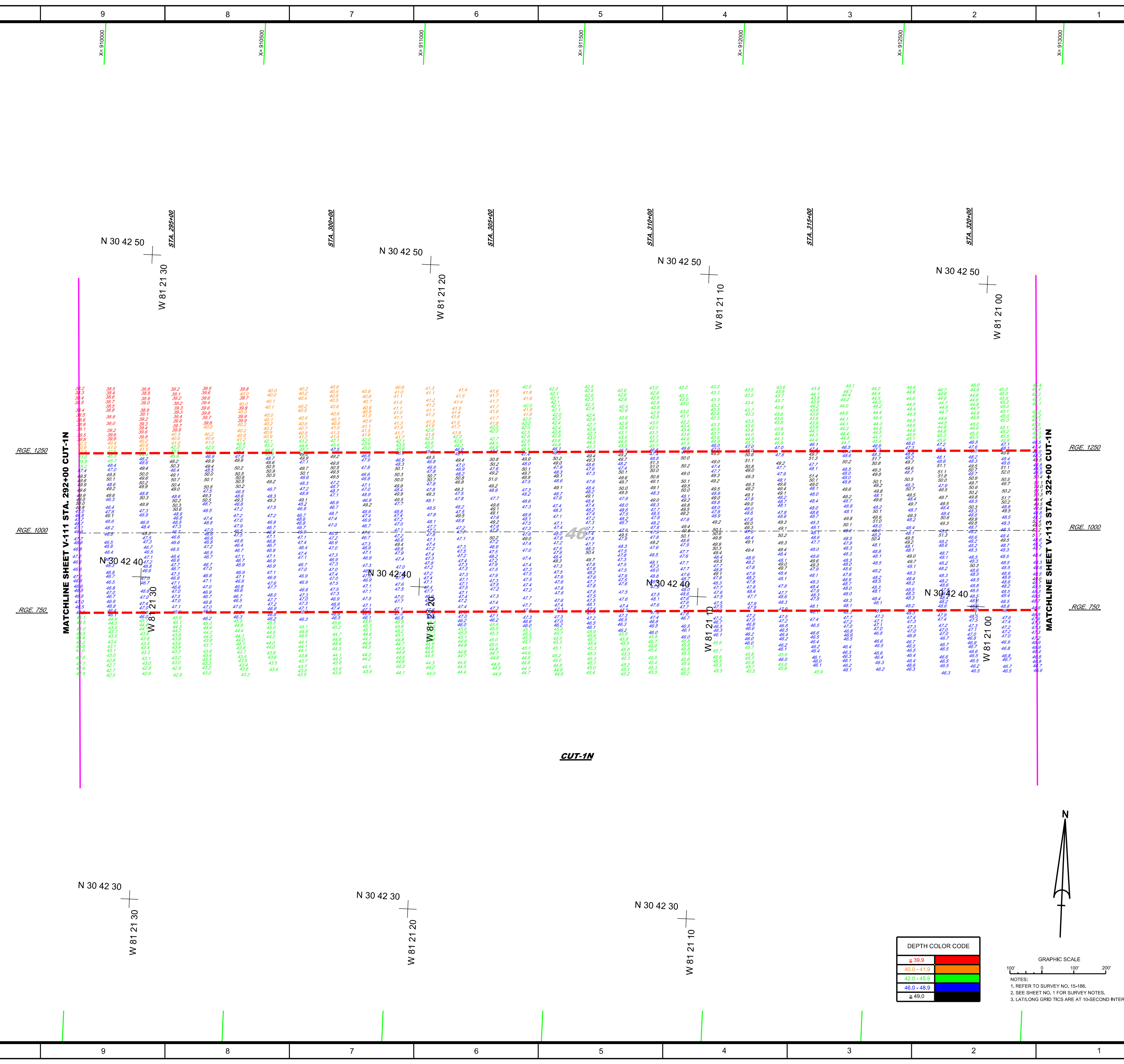
SHEET 12 OF 18



DEPTH COLOR CODE

| | |
|-------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



10 9 8 7 6 5 4 3 2 1

F
E
D
C
B
A

Y=261000
Y=260500
Y=260000
Y=259500
Y=259000
Y=258500

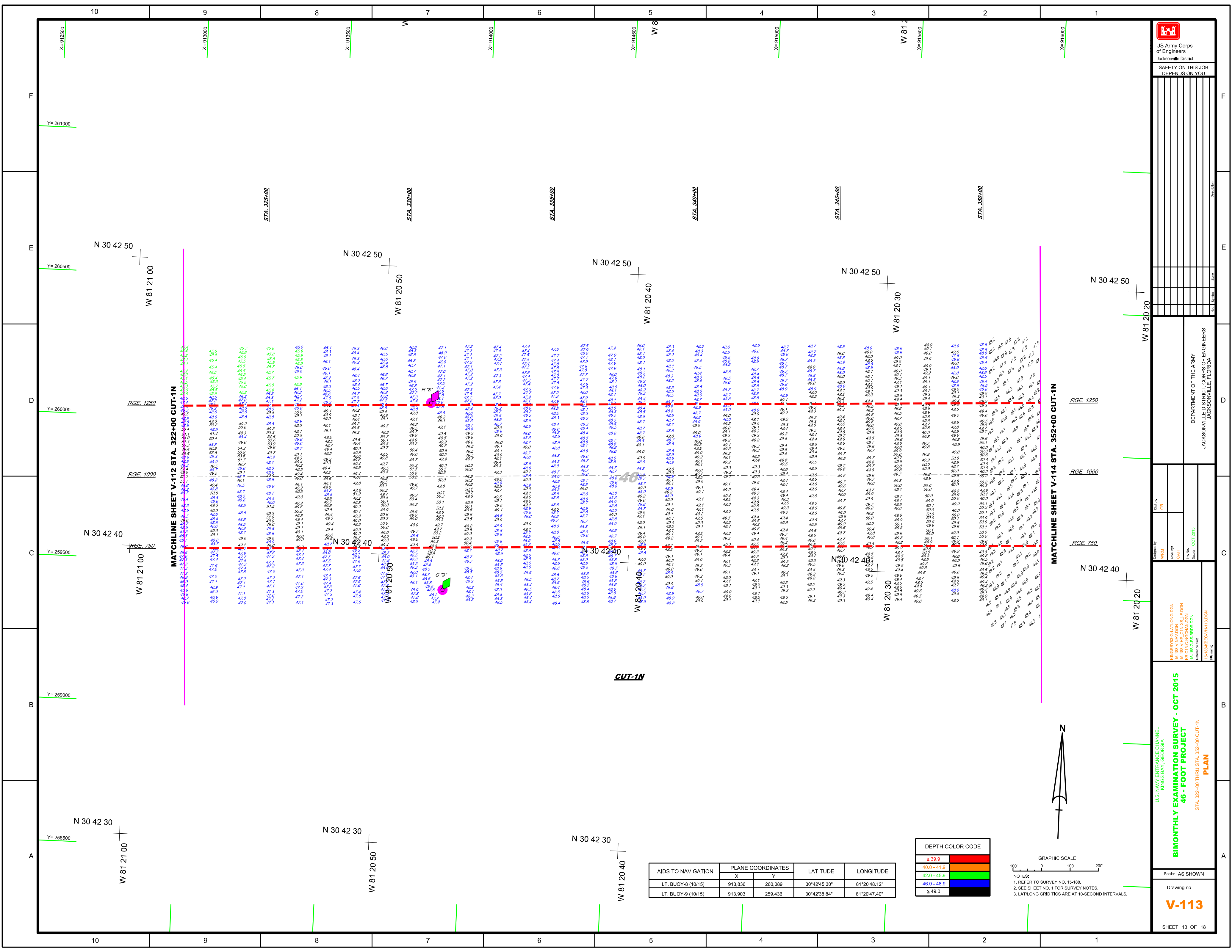
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X=910000
X=910500
X=911000
X=911500
X=912000
X=912500
X=913000

N 30 42 50
W 81 21 30
STA. 292+00
N 30 42 50
W 81 21 20
STA. 300+00
N 30 42 50
W 81 21 10
STA. 310+00
N 30 42 50
W 81 21 00
STA. 320+00

MATCHLINE SHEET V-111 STA. 292+00 CUT-1N
MATCHLINE SHEET V-113 STA. 322+00 CUT-1N

RGE 1250
RGE 1000
RGE 750

CUT-IN



DEPTH COLOR CODE

| | |
|-------------|-----------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 43.9 | Yellow |
| 44.0 - 45.9 | Green |
| 46.0 - 48.9 | Blue |
| ≥ 49.0 | Dark Blue |

AIDS TO NAVIGATION

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-8 (10/15) | 913.836 | 260.089 | 30°42'45.30" | 81°20'48.12" |
| LT. BUOY-9 (10/15) | 913.903 | 259.436 | 30°42'38.84" | 81°20'47.40" |



NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

CUT-IN

MATCHLINE SHEET V-112 STA. 322+00 CUT-1N

MATCHLINE SHEET V-14 STA. 352+00 CUT-1N

N 30 42 50
W 81 21 00

N 30 42 50
W 81 20 50

N 30 42 50
W 81 20 40

N 30 42 50
W 81 20 30

N 30 42 50
W 81 20 20

N 30 42 40
W 81 21 00

N 30 42 40
W 81 20 50

N 30 42 40
W 81 20 40

N 30 42 40
W 81 20 30

N 30 42 40
W 81 20 20

RGE. 1250

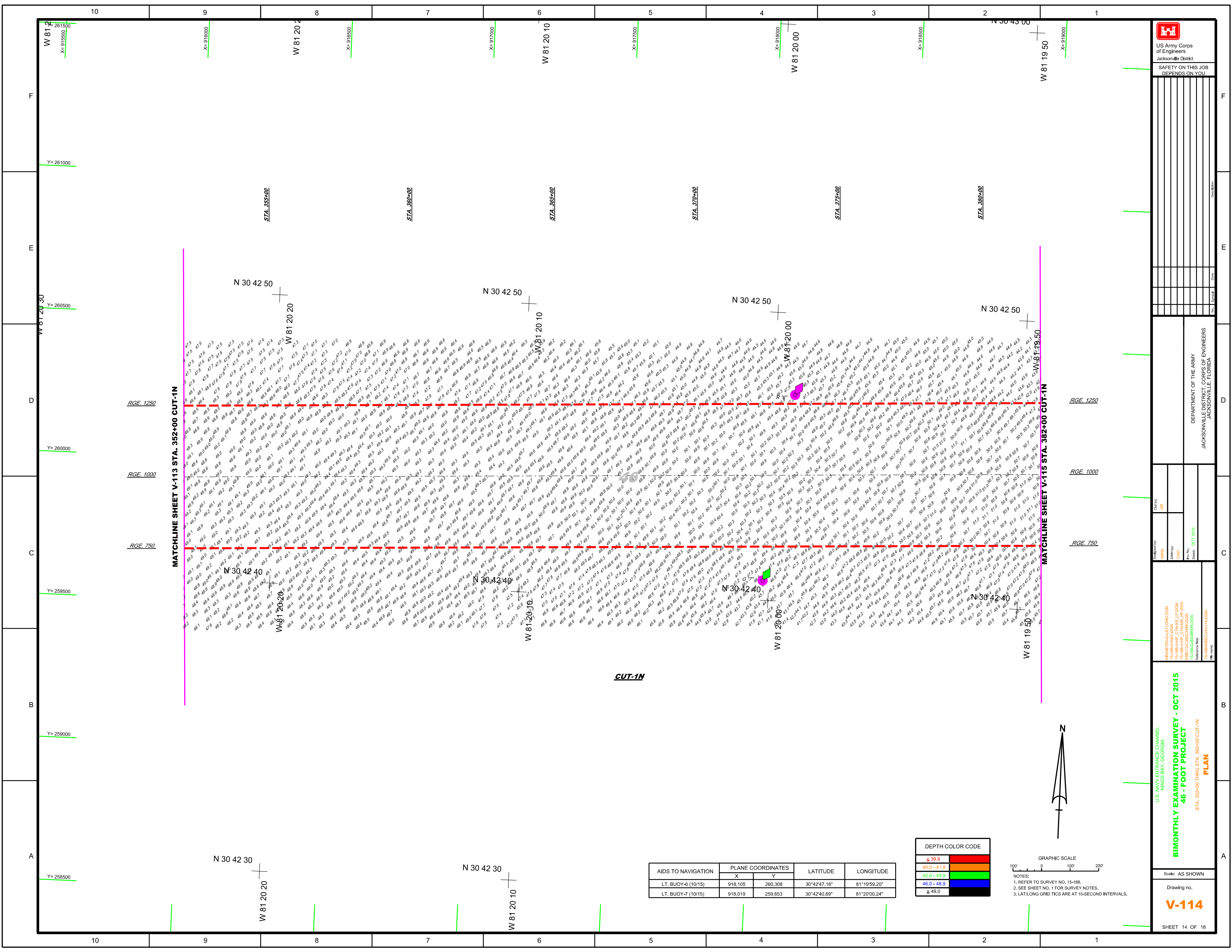
RGE. 1000

RGE. 750

RGE. 1250

RGE. 1000

RGE. 750



MATCHLINE SHEET V-113 STA. 352+00 CUT-IN
 RGE. 1250
 RGE. 1000
 RGE. 750

MATCHLINE SHEET V-115 STA. 382+00 CUT-IN
 RGE. 1250
 RGE. 1000
 RGE. 750

CUT-IN

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-6 (10/15) | 918.105 | 260.308 | 30°42'47.16" | 81°19'59.20" |
| LT. BUOY-7 (10/15) | 918.019 | 259.653 | 30°42'40.69" | 81°20'00.24" |

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



NOTES:
 1. REFER TO SURVEY NO. 15-188.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.
 3. LAT/LONG GRID TICCS ARE AT 10-SECOND INTERVALS.



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: GRL
 Drawn by: CAH
 Date: OCT 2015

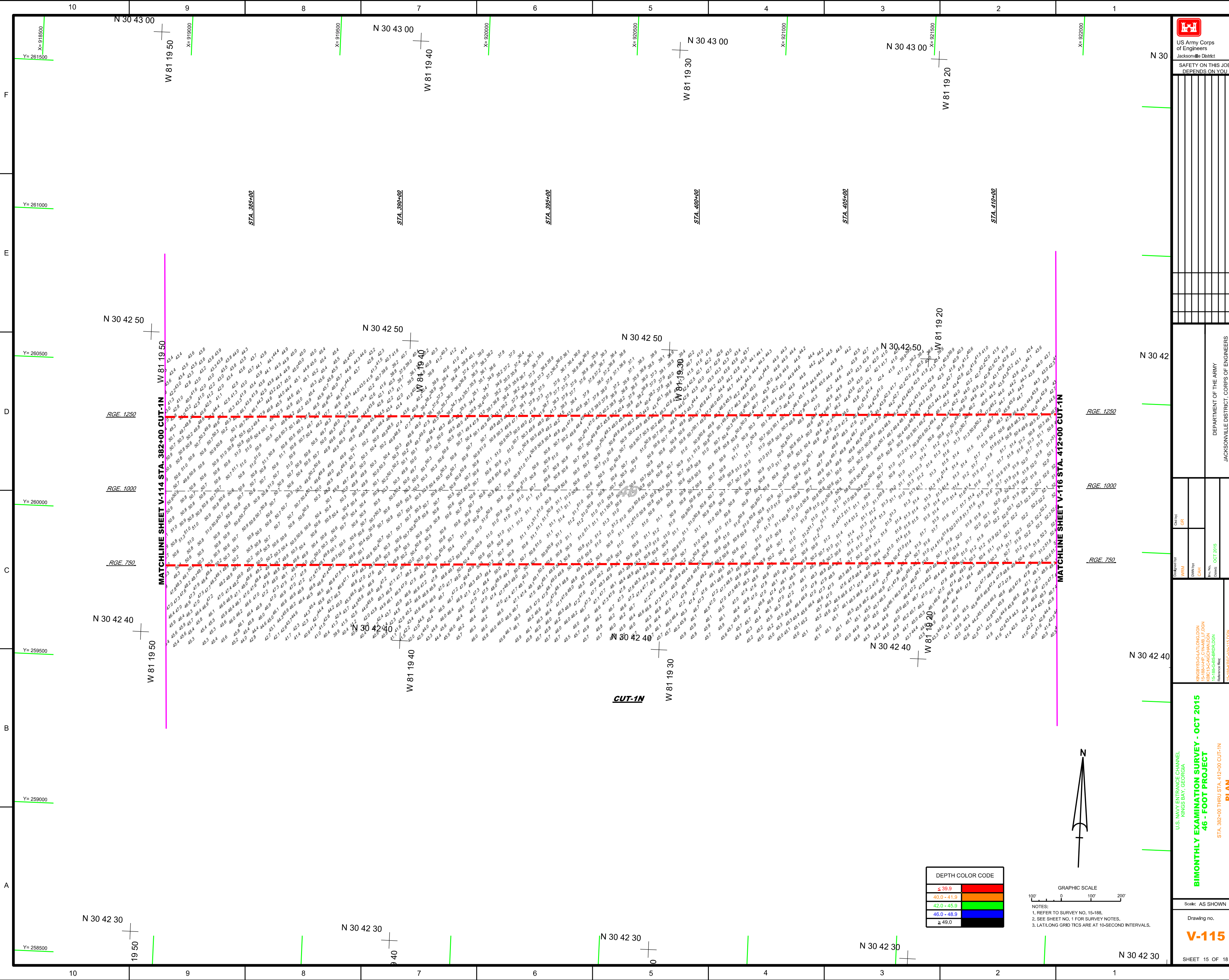
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 15-188-NAV-000
 15-188-HP-CTN-AS-LF-000
 15-188-CA-CH-000
 15-188-CA-BS-000
 15-188-REC-WH-14-000

U.S. NAVY ENTRANCE CHANNEL
 KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT
 PLAN
 STA. 382+00 THRU STA. 382+00 CUT-IN

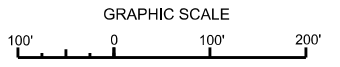
Scale: AS SHOWN

Drawing no.
V-114

SHEET 14 OF 18




| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



NOTES:
 1. REFER TO SURVEY NO. 15-188.
 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

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

| | |
|---|---|
| Designer: WVR Checker: GR Date: OCT 2015 | Designer: WVR Checker: GR Date: OCT 2015 |
|---|---|

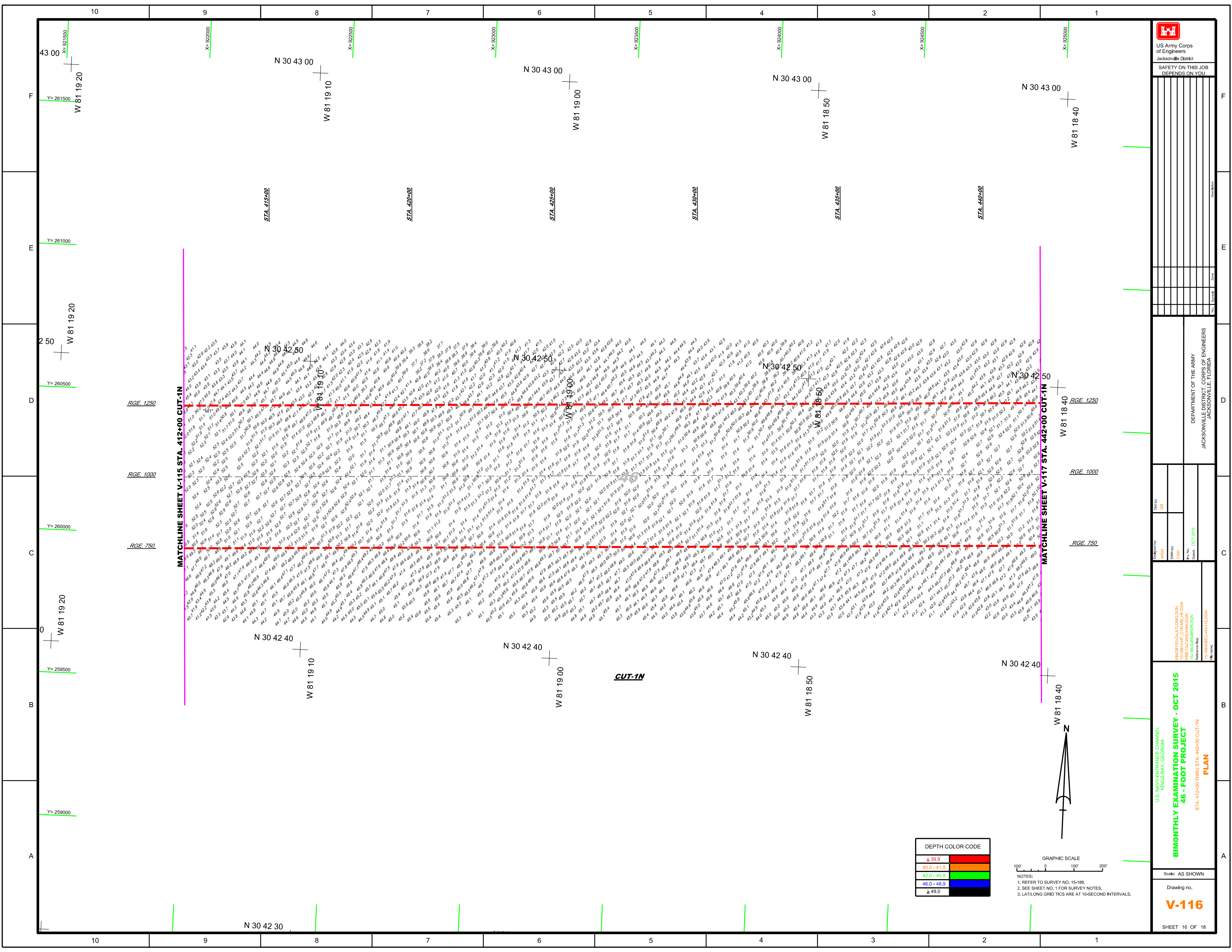
BIMONTHLY EXAMINATION SURVEY - OCT 2015
46 - FOOT PROJECT
PLAN

STA. 382+00 THRU STA. 412+00 CUT-IN

Scale: AS SHOWN

Drawing no. **V-115**

SHEET 15 OF 18



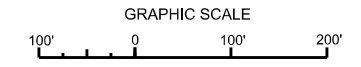
MATCHLINE SHEET V-115 STA. 412+00 CUT-IN

MATCHLINE SHEET V-117 STA. 442+00 CUT-IN

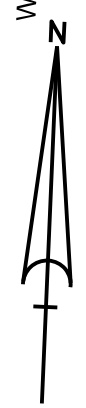
RGE. 1250
RGE. 1000
RGE. 750

RGE. 1250
RGE. 1000
RGE. 750

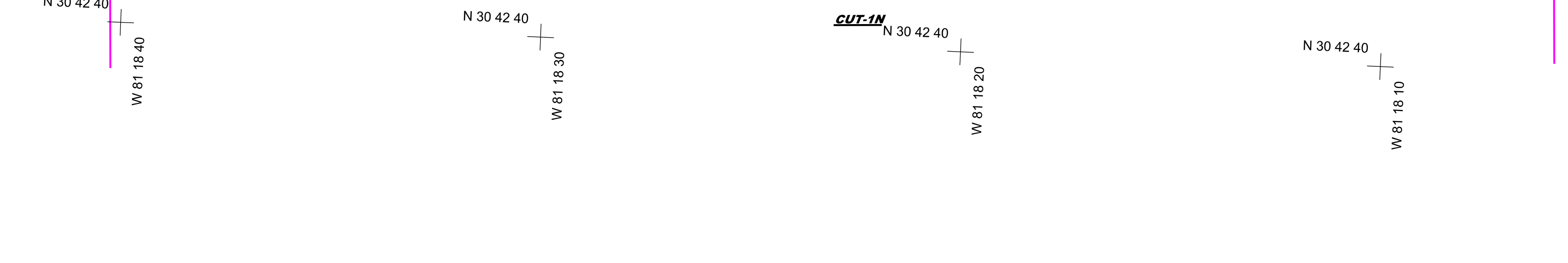
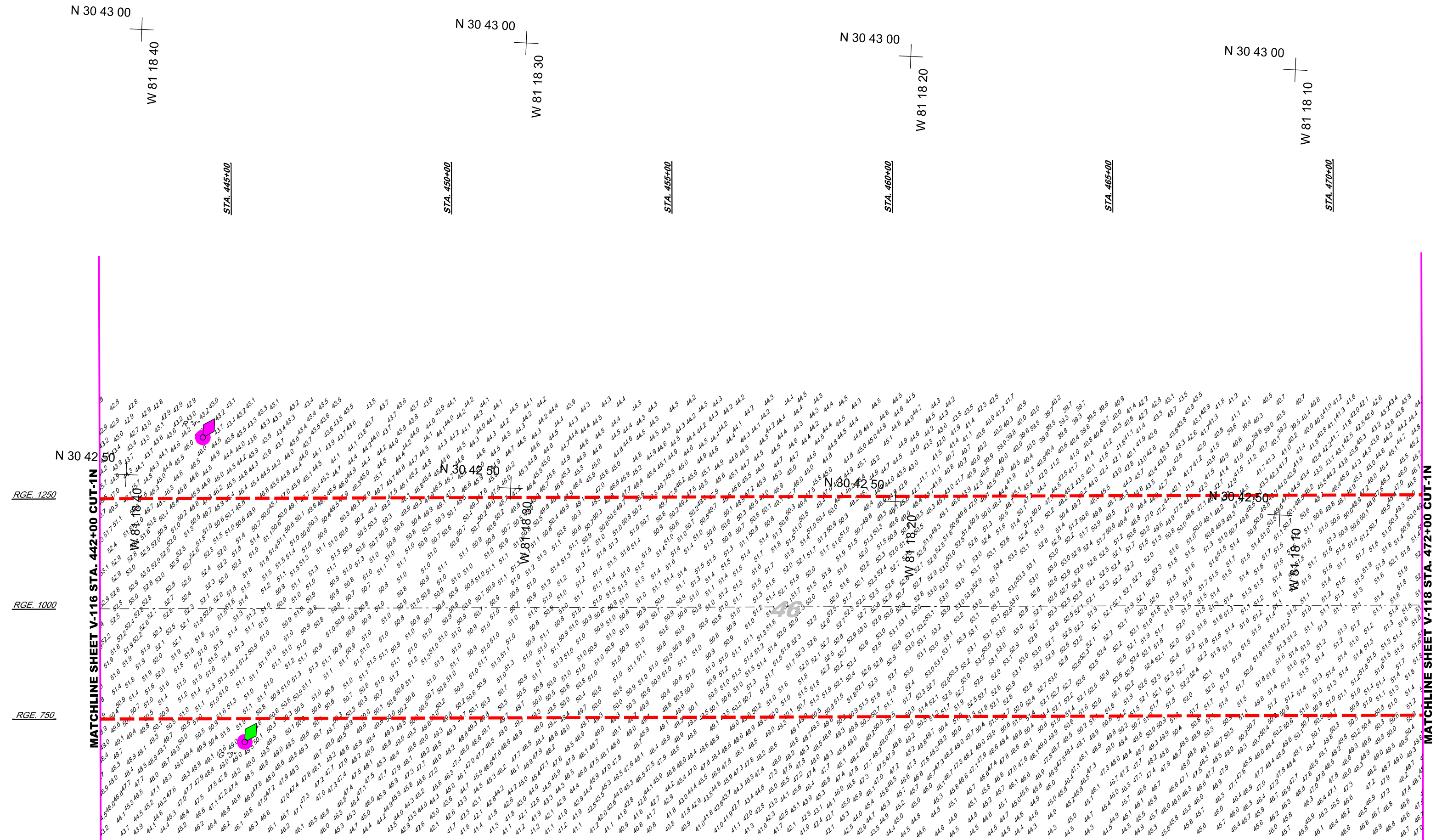
| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |



NOTES:
1. REFER TO SURVEY NO. 15-188.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TIC'S ARE AT 10-SECOND INTERVALS.



CUT-IN



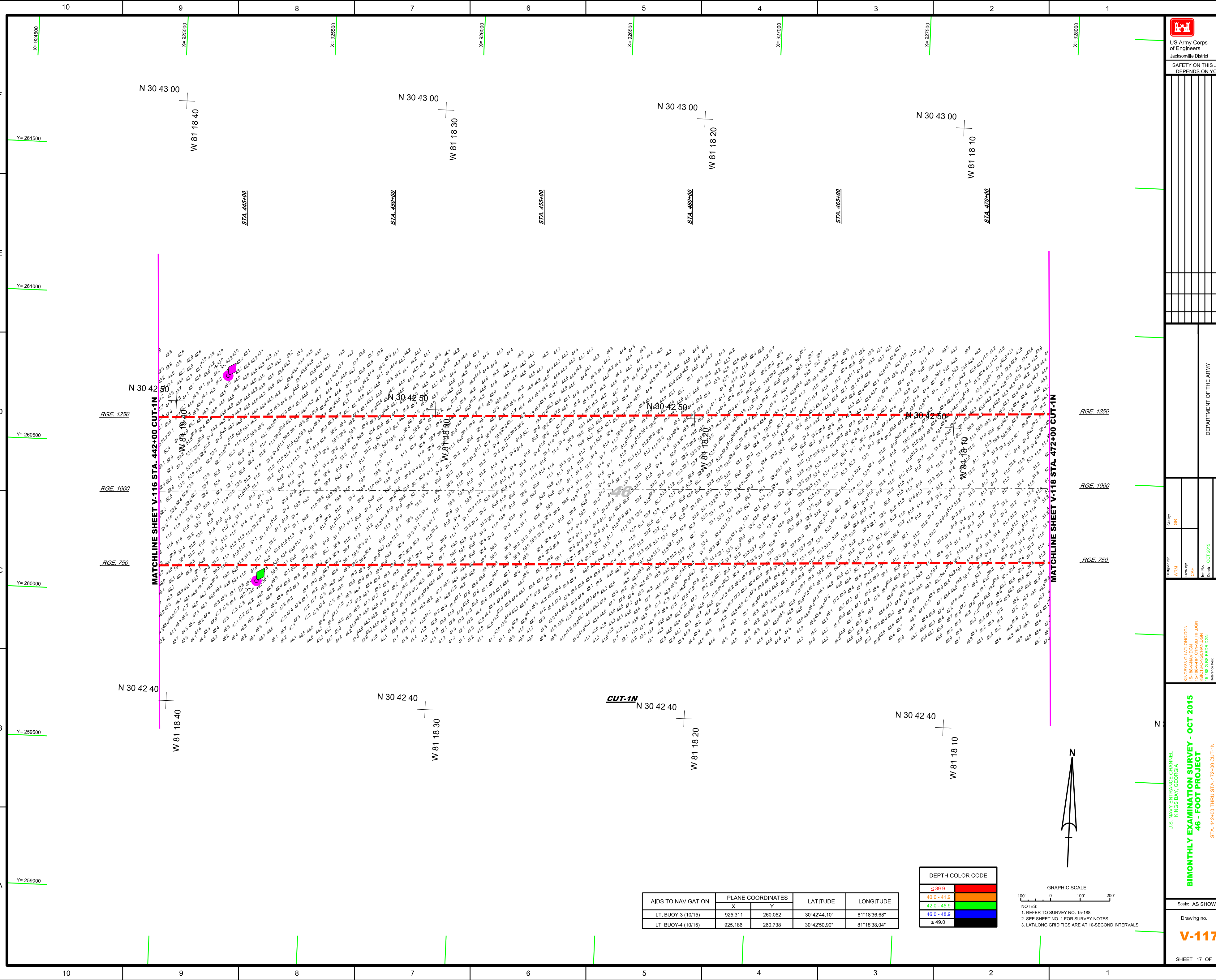
DEPTH COLOR CODE

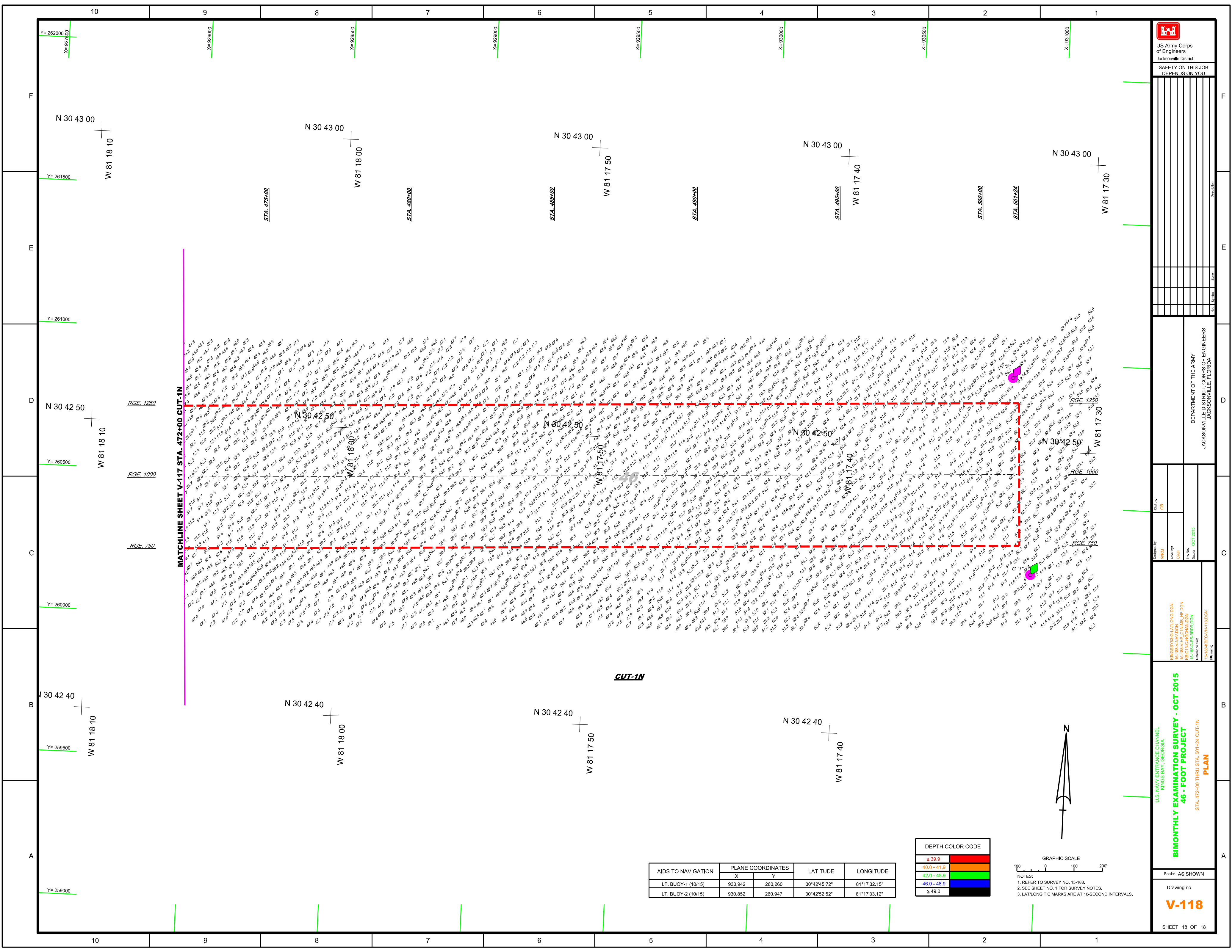
| | |
|-------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

AIDS TO NAVIGATION

| | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-3 (10/15) | 925,311 | 260,052 | 30°42'44.10" | 81°18'36.68" |
| LT. BUOY-4 (10/15) | 925,186 | 260,738 | 30°42'50.90" | 81°18'38.04" |

- NOTES:
- REFER TO SURVEY NO. 15-188.
 - SEE SHEET NO. 1 FOR SURVEY NOTES.
 - LAT/LONG GRID TIC'S ARE AT 10-SECOND INTERVALS.





MATCHLINE SHEET V-117 STA. 472+00 CUT-IN

CUT-IN

| DEPTH COLOR CODE | |
|------------------|--------|
| ≤ 39.9 | Red |
| 40.0 - 41.9 | Orange |
| 42.0 - 45.9 | Yellow |
| 46.0 - 48.9 | Green |
| ≥ 49.0 | Blue |

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT. BUOY-1 (10/15) | 930,942 | 260,260 | 30°42'45.72" | 81°17'32.15" |
| LT. BUOY-2 (10/15) | 930,852 | 260,947 | 30°42'52.52" | 81°17'33.12" |

NOTES:
 1. REFER TO SURVEY NO. 15-188.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.
 3. LAT/LONG TIC MARKS ARE AT 10-SECOND INTERVALS.