DESIGN AUTHENTICATION

PROJECT: Jacksonville Harbor Navigation Project Improvements
Construction Dredging 47-Foot Project
Duval County, Florida

ATTACHED PLAN SHEETS:

The attached plans were prepared by the Jacksonville District, U.S. Army Corps of Engineers (USACE). The initials or signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by ER 1110-1-8152, 24 Jan 2012, and are not made in the individual capacity of the signatories.

USACE employee signatures are provided in support of the "Interagency Coordination Agreement for Civil Works Projects", signed 28 Feb 2006 by the Florida Department of Environmental Protection, the USACE Jacksonville District, and USACE Mobile District.

These plans are for permitting purposes only, and are not for construction.

David F. Dudley, PE
Chief, Design Branch
Engineering Division
USACE Jacksonville District

01 May '15.
DATE

36 sheets dated April 2015.

US Army Corps
of Engineers®

LOCATION MAP

N.T.S.

SURVEY NOTES

1. REFER TO SURVEY NO. 15-022.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.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 NORTH AMERICAN DATUM OF 1983 (NAD83).
5. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. 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 872-0211, MAYPORT NAVAL STA FOR BAR CUT-3
NOAA TIDAL STATION 872-0218, BAR PILOTS DOCK FOR CUTS 4 THRU 13
NOAA TIDAL STATION 872-0221, FULTON FOR CUTS 14/15 THRU CUT-41
NOAA TIDAL STATION 872-0219, DAMES POINT FOR CUTS 42 THRU 46
NOAA TIDAL STATION 872-0215, NAVY FUEL DEPOT FOR CUTS 47 THRU 50
NOAA TIDAL STATION 872-0242, LONG BRANCH FOR CUT-50 THRU TERM. CH.

VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC 2024 MULTI-BEAM SYSTEM (240 KHZ) AND A ROSS 835C SMARTSOUNDER WITH A DUAL FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200/240 KHZ).

VESSEL	DATE OF SURVEY	CUT
SB-46	01, 27 DEC 2014	BAR CUT-3 & CUT-4
SB-46	02 DEC 2014	CUTS 5-8
SB-46	03 DEC 2014	CUTS 9-13
SB-46	04 DEC 2014	CUTS 18-41
SB-46	05 DEC 2014	CUTS 14/15-17
SB-46	10 DEC 2014	CUTS A & B
SB-46	11-12 DEC 2014	CUT-42
SB-46	27 JAN 2015	CUT-55
SB-46	27-29 JAN 2015	TERMINAL CHANNEL
SB-46	29 JAN 2015	CUTS 52-54
SB-46	29-30 JAN 2015	CUT-51
SB-46	21 FEB 2015	CUTS 42-43 & CUTS F & G
SB-46	09 MAR 2015	CUTS 49-50
SB-46	10 MAR 2015	CUTS 44-48
SB-46	11 MAR 2015	CUTS 43-50 & CUT-G

8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "CHARLIE TOWER ARP" (PID: BBDC09) FOR BAR CUT-3 THRU CUT-8

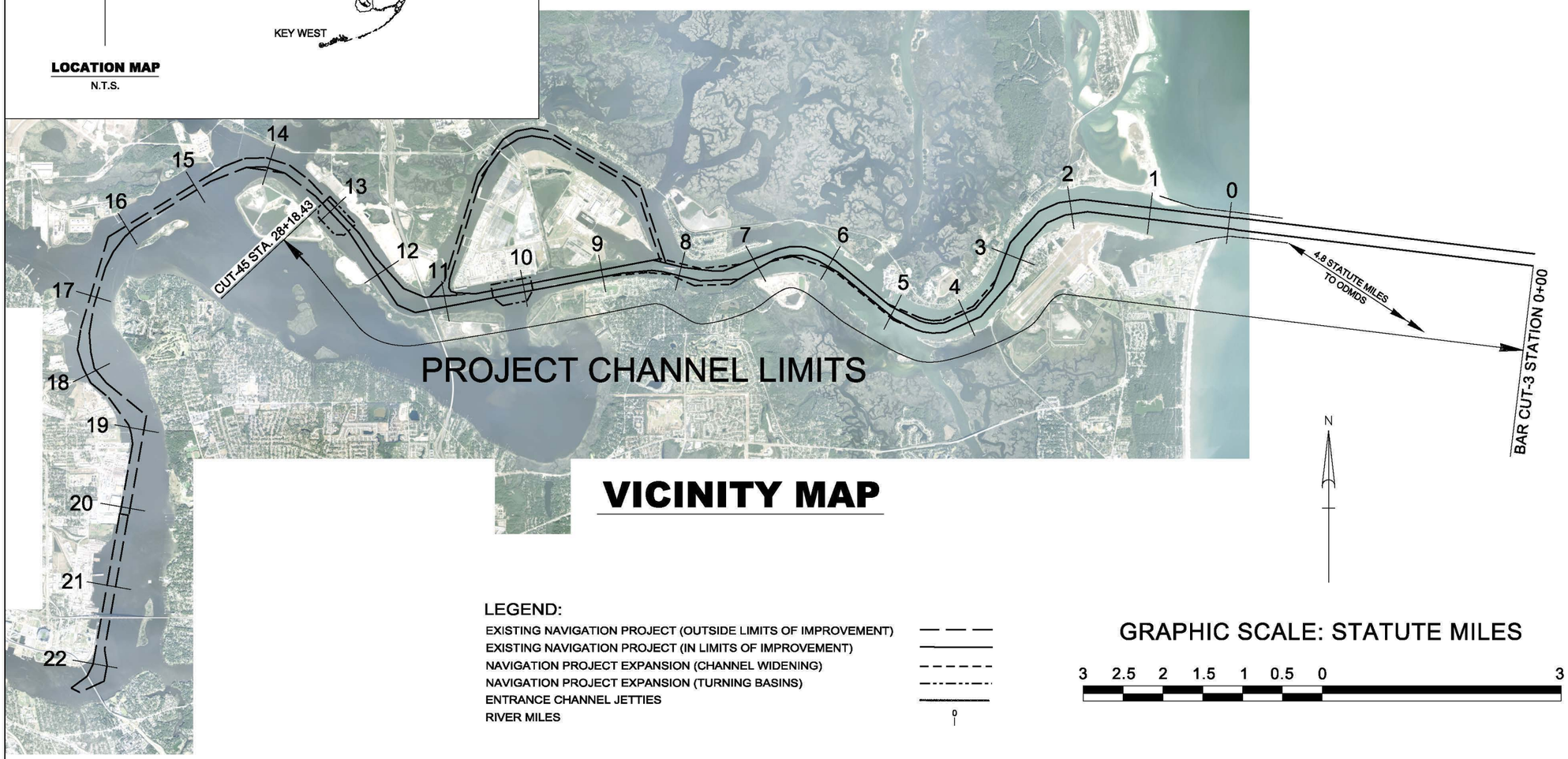
   REFERENCE BASE LOCATED AT "BIMT-101" (PID: BBBX61) FOR CUT-9 THRU CUT-42, CUT A & B

   REFERENCE BASE LOCATED AT "DUNNS CREEK" (PID: BBCT64) FOR CUT-43 THRU CUT-50

   REFERENCE BASE LOCATED AT "NEW BERLIN" (OPUS PID: BBDH77) FOR CUT-F, CUT-G AND CUT-42

   REFERENCE BASE LOCATED AT "872 0242A" (OPUS PID: BBBZ31) FOR CUT-51 THRU THE TERMINAL CHANNEL

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.



VICINITY MAP

LEGEND:

- EXISTING NAVIGATION PROJECT (OUTSIDE LIMITS OF IMPROVEMENT)
- EXISTING NAVIGATION PROJECT (IN LIMITS OF IMPROVEMENT)
- NAVIGATION PROJECT EXPANSION (CHANNEL WIDENING)
- NAVIGATION PROJECT EXPANSION (TURNING BASINS)
- ENTRANCE CHANNEL JETTIES
- RIVER MILES

GRAPHIC SCALE: STATUTE MILES

3 2.5 2 1.5 1 0.5 0 3

US Army Corps of Engineers
Jacksonville District

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

Scale:
Plot date:
Plot scale:

Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Dated: APRIL 2015

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA

PROJECT LOCATION AND VICINITY MAPS

WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
1

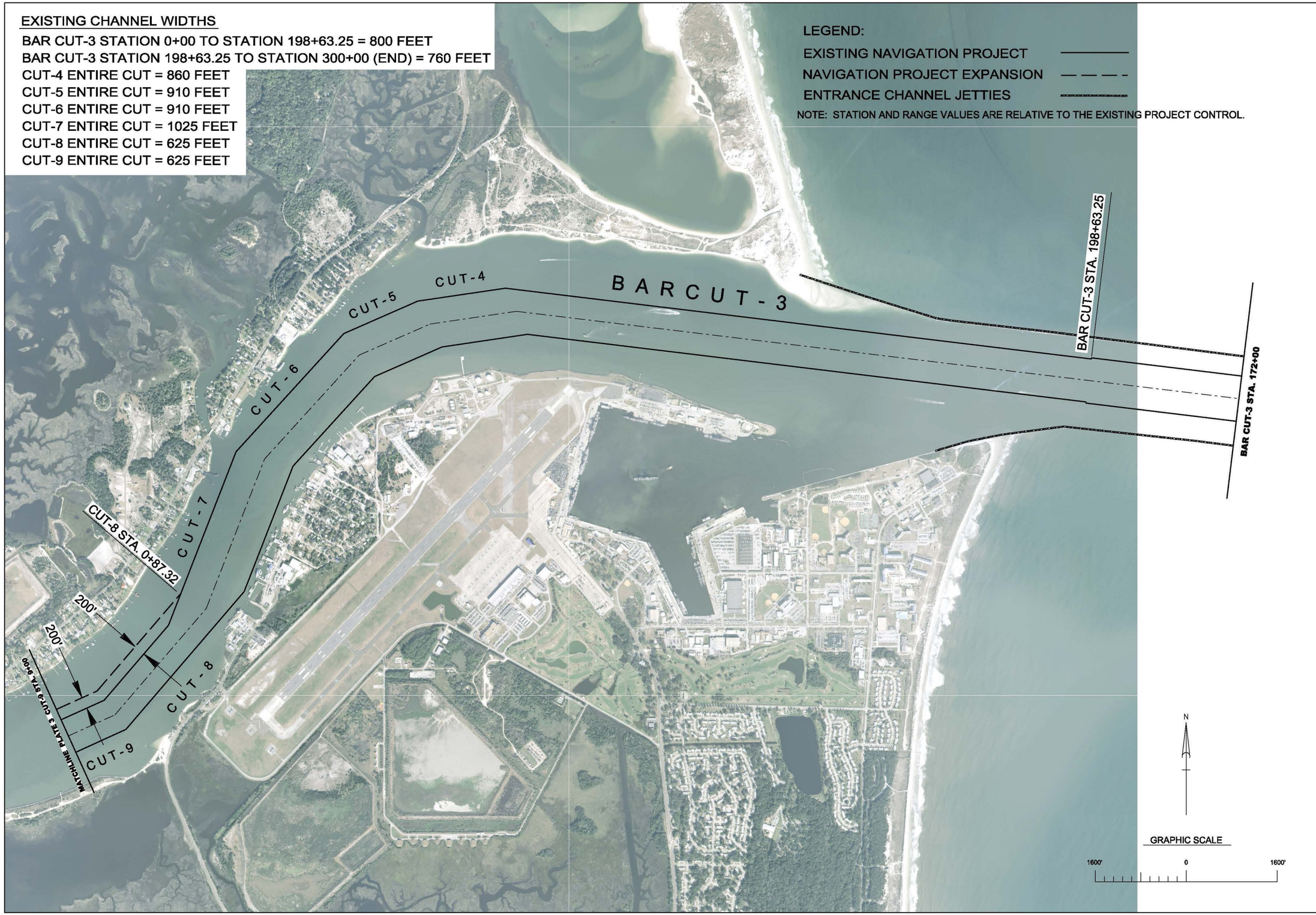
EXISTING CHANNEL WIDTHS

BAR CUT-3 STATION 0+00 TO STATION 198+63.25 = 800 FEET
BAR CUT-3 STATION 198+63.25 TO STATION 300+00 (END) = 760 FEET
CUT-4 ENTIRE CUT = 860 FEET
CUT-5 ENTIRE CUT = 910 FEET
CUT-6 ENTIRE CUT = 910 FEET
CUT-7 ENTIRE CUT = 1025 FEET
CUT-8 ENTIRE CUT = 625 FEET
CUT-9 ENTIRE CUT = 625 FEET

LEGEND:

EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION
ENTRANCE CHANNEL JETTIES

NOTE: STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.



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Jacksonville District

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JACKSONVILLE, FLORIDA

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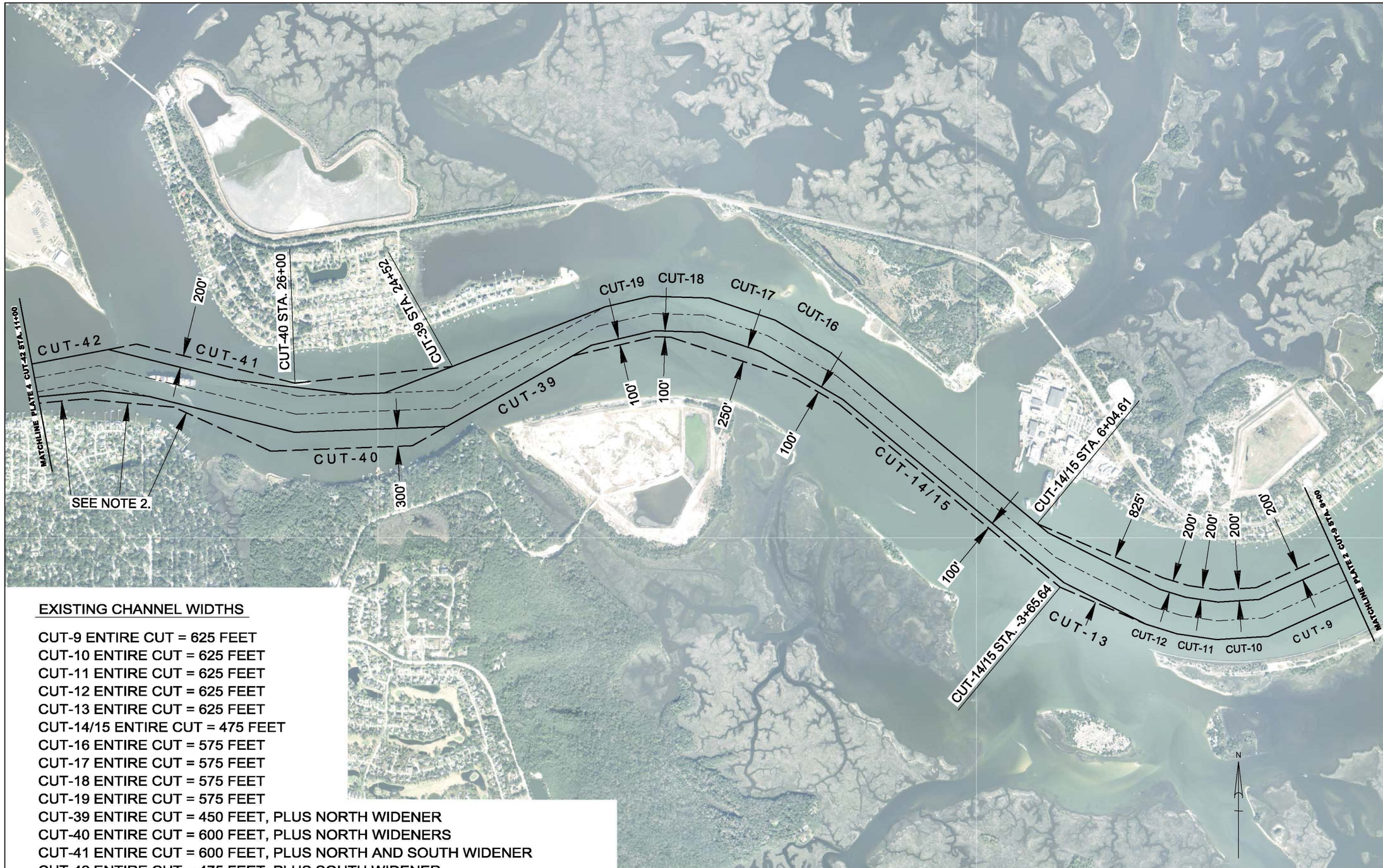
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
EXISTING PROJECT AND PROPOSED EXPANSION DETAILS
(BAR CUT-3 STA. 172+00 TO CUT-9 STA. 9+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
2



EXISTING CHANNEL WIDTHS

CUT-9 ENTIRE CUT = 625 FEET
CUT-10 ENTIRE CUT = 625 FEET
CUT-11 ENTIRE CUT = 625 FEET
CUT-12 ENTIRE CUT = 625 FEET
CUT-13 ENTIRE CUT = 625 FEET
CUT-14/15 ENTIRE CUT = 475 FEET
CUT-16 ENTIRE CUT = 575 FEET
CUT-17 ENTIRE CUT = 575 FEET
CUT-18 ENTIRE CUT = 575 FEET
CUT-19 ENTIRE CUT = 575 FEET
CUT-39 ENTIRE CUT = 450 FEET, PLUS NORTH WIDENER
CUT-40 ENTIRE CUT = 600 FEET, PLUS NORTH WIDENERS
CUT-41 ENTIRE CUT = 600 FEET, PLUS NORTH AND SOUTH WIDENER
CUT-42 ENTIRE CUT = 475 FEET, PLUS SOUTH WIDENER

NOTE:
1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUTH WIDENER EXPANSIONS FOR CUT-41 AND CUT-42 ARE THE SAME AS THE EXISTING 38' PROJECT WIDENERS

LEGEND:
EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION

GRAPHIC SCALE
1600' 0 1600'

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JACKSONVILLE, FLORIDA

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Ckd by: LRP
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Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
EXISTING PROJECT AND PROPOSED EXPANSION DETAILS
(CUT-9 STA. 9+00 TO CUT-42 STA 11+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
3

EXISTING CHANNEL WIDTHS

CUT-42 ENTIRE CUT = 475 FEET, PLUS SOUTH AND NORTH WIDENER
CUT-43 ENTIRE CUT = 1175 FEET
CUT-44 ENTIRE CUT = 525 FEET, PLUS NORTH WIDENER
CUT-45 ENTIRE CUT = 425 FEET

NOTE:
1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUTH WIDENER EXPANSION FOR CUT-42 IS THE SAME AS THE EXISTING 38' PROJECT WIDENER

LEGEND:
EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION
NEW PROJECT TURNING BASINS

GRAPHIC SCALE
1600' 0 1600'

US Army Corps of Engineers
Jacksonville District

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

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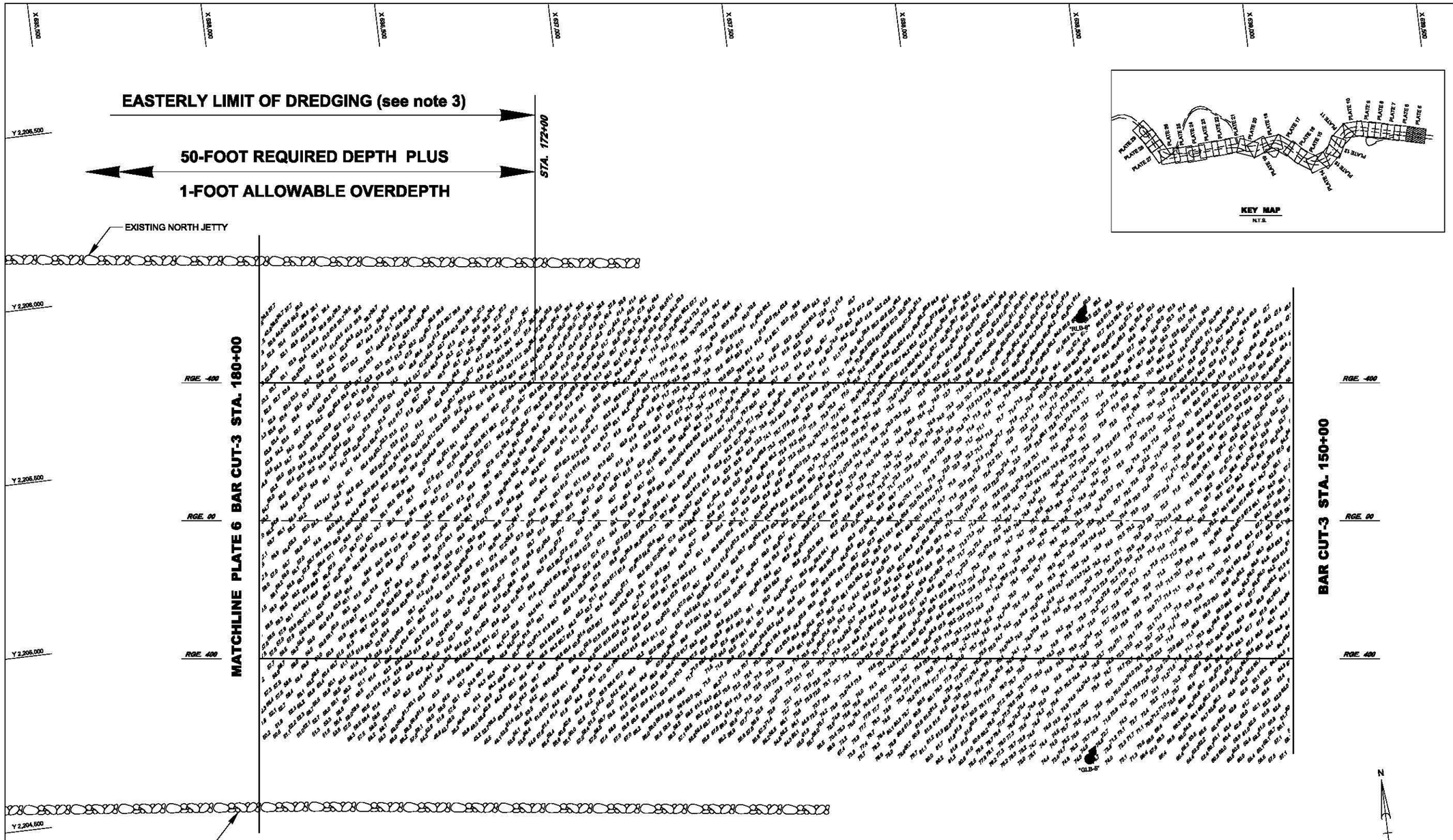
Plot date:
Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA

EXISTING PROJECT AND PROPOSED EXPANSION DETAILS
(CUT-42 STA. 11+00 TO CUT-45 STA. 28+18.43)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
4



BAR CUT-3

AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
LT. BUOY - 5 (12/10)	538,296	2,204,335
LT. BUOY - 6 (12/10)	538,423	2,205,608

LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION (none this Plate)

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. LIMIT OF DREDGING WILL BE ADJUSTED AS NECESSARY TO THE 50-FT CONTOUR LOCATION AT THE TIME OF CONTRACT PREPARATION.

US Army Corps of Engineers
Jacksonville District

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

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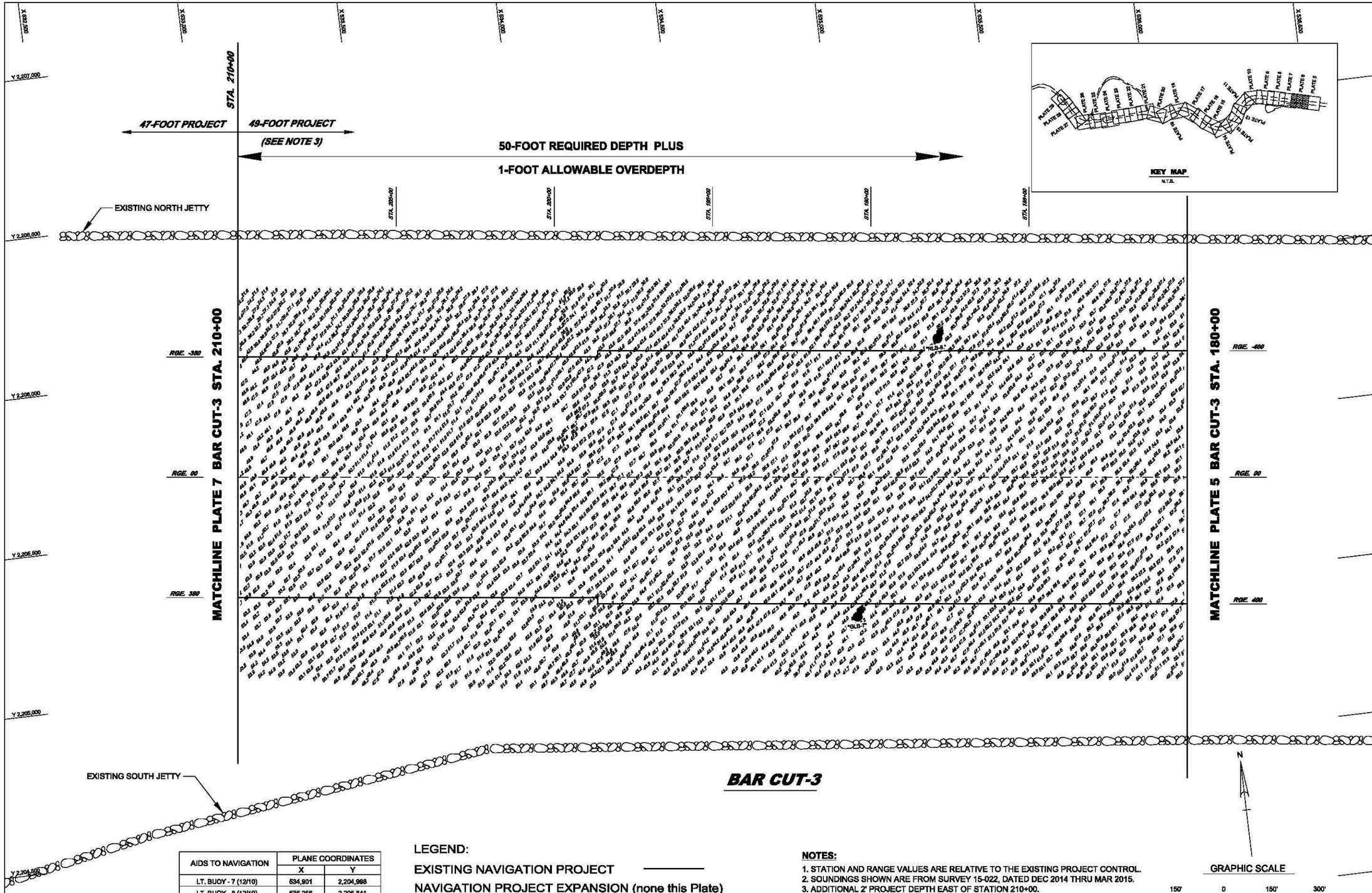
Ckd by: LRP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
49' PROJECT DEPTH (BAR CUT-3 STA. 150+00 TO 180+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
5



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
LT. BUOY - 7 (12/10)	534,901	2,204,998
LT. BUOY - 8 (12/10)	535,256	2,205,841

LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION (none this Plate)

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' PROJECT DEPTH EAST OF STATION 210+00.

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Jacksonville District

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

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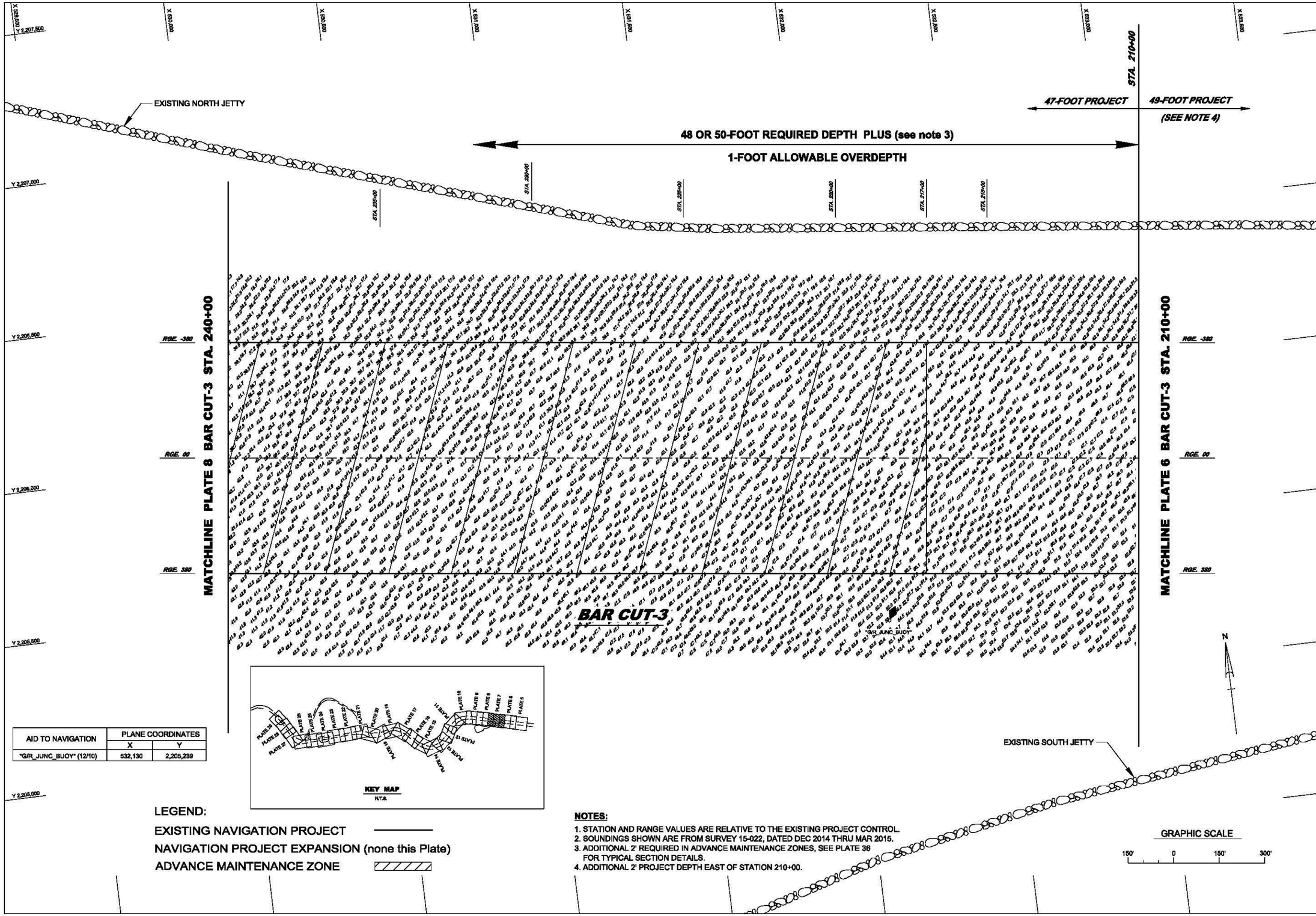
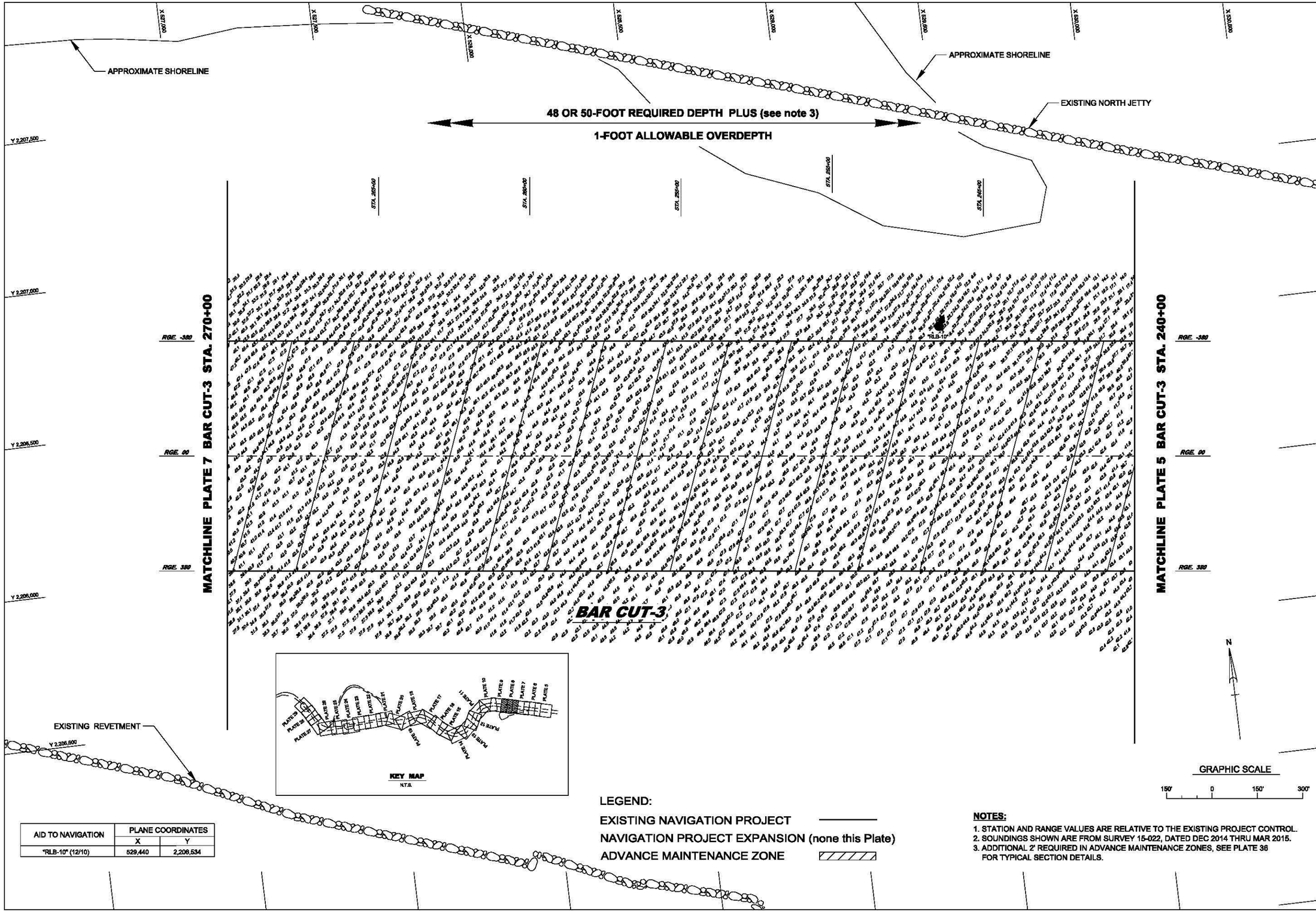
Ckd by: LBP
Dated: APRIL 2015
Scale:
Plot date:
Plot scale:
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
49' PROJECT DEPTH (BAR CUT-3 STA. 180+00 TO 210+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

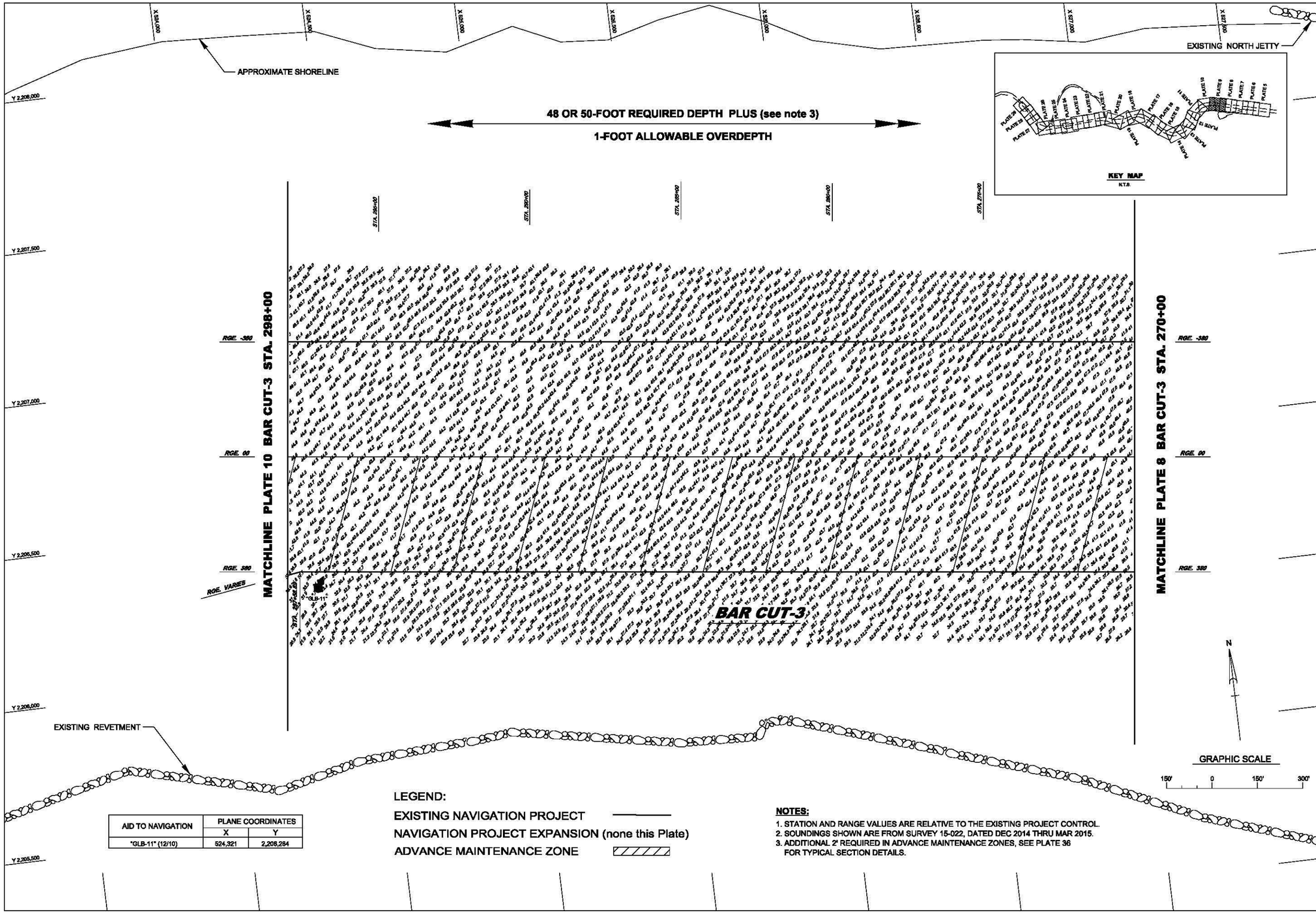
PLATE
6



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"G/R_JUNC_BUOY" (12/10)	532,130	2,205,239



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
RLB-10 (12/10)	529,440	2,206,534



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-11" (12/10)	524,321	2,208,284

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION (none this Plate)

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

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

Scale:
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Designed by: SRC
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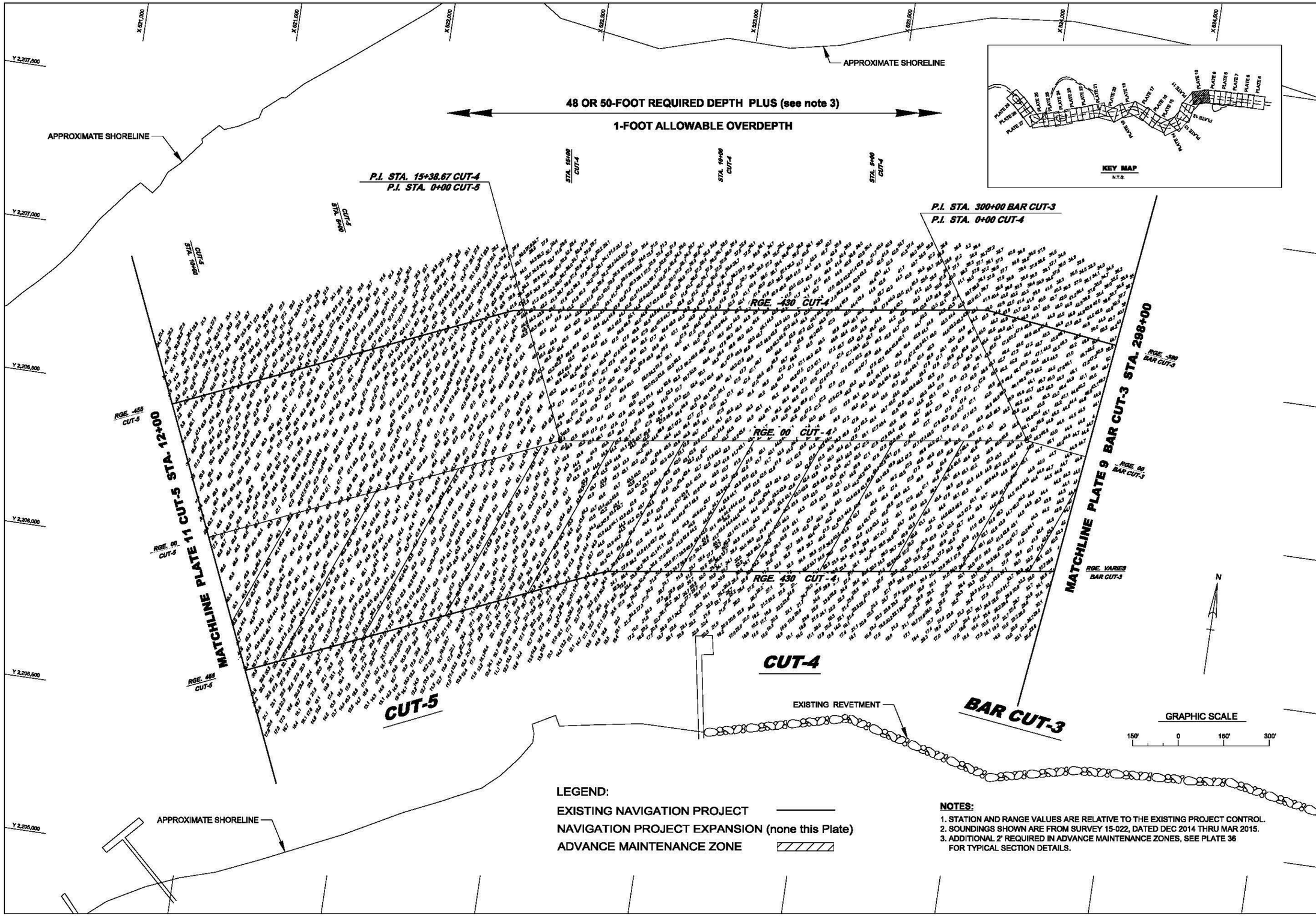
Ckd by: LBP
Dated: APRIL 2015

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (BAR CUT-3 STA. 270+00 TO 298+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
9


X 621,000
X 621,500
X 622,000
X 622,500
X 623,000
X 623,500
X 624,000
X 624,500
Y 2,207,500
Y 2,207,000
Y 2,206,500
Y 2,206,000
Y 2,205,500
Y 2,205,000
APPROXIMATE SHORELINE
48 OR 50-FOOT REQUIRED DEPTH PLUS (see note 3)
1-FOOT ALLOWABLE OVERDEPTH
KEY MAP
N.T.S.
P.I. STA. 15+38.67 CUT-4
P.I. STA. 0+00 CUT-5
P.I. STA. 300+00 BAR CUT-3
P.I. STA. 0+00 CUT-4
STA. 15+00 CUT-4
STA. 10+00 CUT-4
STA. 5+00 CUT-4
CUT-5 STA. 0+00
CUT-5 STA. 10+00
RGE. 430 CUT-4
RGE. 00 CUT-4
RGE. 430 CUT-4
RGE. 455 CUT-5
RGE. 00 CUT-5
RGE. 455 CUT-5
MATCHLINE PLATE 11 CUT-5 STA. 12+00
MATCHLINE PLATE 9 BAR CUT-3 STA. 298+00
RGE. 430 BAR CUT-3
RGE. 00 BAR CUT-3
RGE. VARIES BAR CUT-3
CUT-4
CUT-5
BAR CUT-3
EXISTING REVETMENT
N
GRAPHIC SCALE
150' 0 150' 300'
LEGEND:
EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION (none this Plate)
ADVANCE MAINTENANCE ZONE
NOTES:
1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.
US Army Corps of Engineers
Jacksonville District
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
Designed by: SRC
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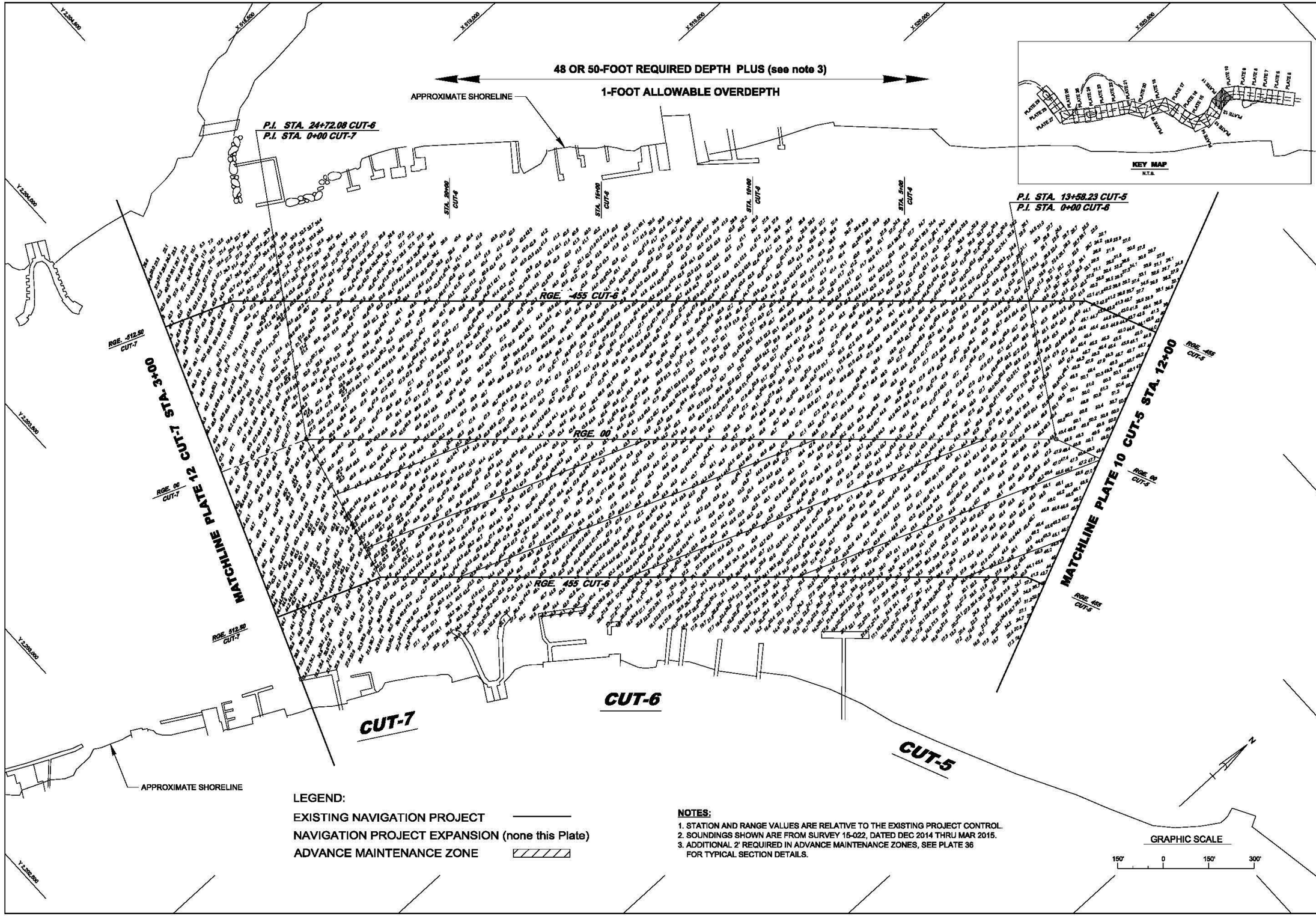
Ckd by: LBP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2015
File name:
Reference files:
JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (BAR CUT-3 STA. 298+00 TO CUT-5 STA. 12+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION
PLATE
10



LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION (none this Plate)

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Scale: | Plot date: | Plot scale:

Dated: APRIL 2016

File name: | Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (CUT-5 STA. 12+00 TO CUT-7 STA. 3+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
11

48-FOOT REQUIRED DEPTH PLUS

1-FOOT ALLOWABLE OVERDEPTH

APPROXIMATE SHORELINE

P.I. STA. 28+21.83 CUT-7

P.I. STA. 0+00 CUT-8

STA. 20+00

STA. 10+00

RGE. -612.50 CUT-8

RGE. 00 CUT-8

RGE. 512.50 CUT-8

MATCHLINE PLATE 13 CUT-8 STA. 5+00

RGE. -612.50 CUT-7

RGE. 00 CUT-7

RGE. 512.50 CUT-7

MATCHLINE PLATE 11 CUT-7 STA. 3+00

CUT-8

CUT-7

APPROXIMATE SHORELINE

Y 2,201,000

Y 2,201,500

Y 2,202,000

Y 2,202,500

Y 2,203,000

Y 2,203,500

Y 2,204,000

X 517,000

X 517,500

X 518,000

X 518,500

X 519,000

X 519,500

KEY MAP

N.T.S.

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

GRAPHIC SCALE

150' 0 160' 300'

US Army Corps of Engineers Jacksonville District

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

Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Dated: APRIL 2016

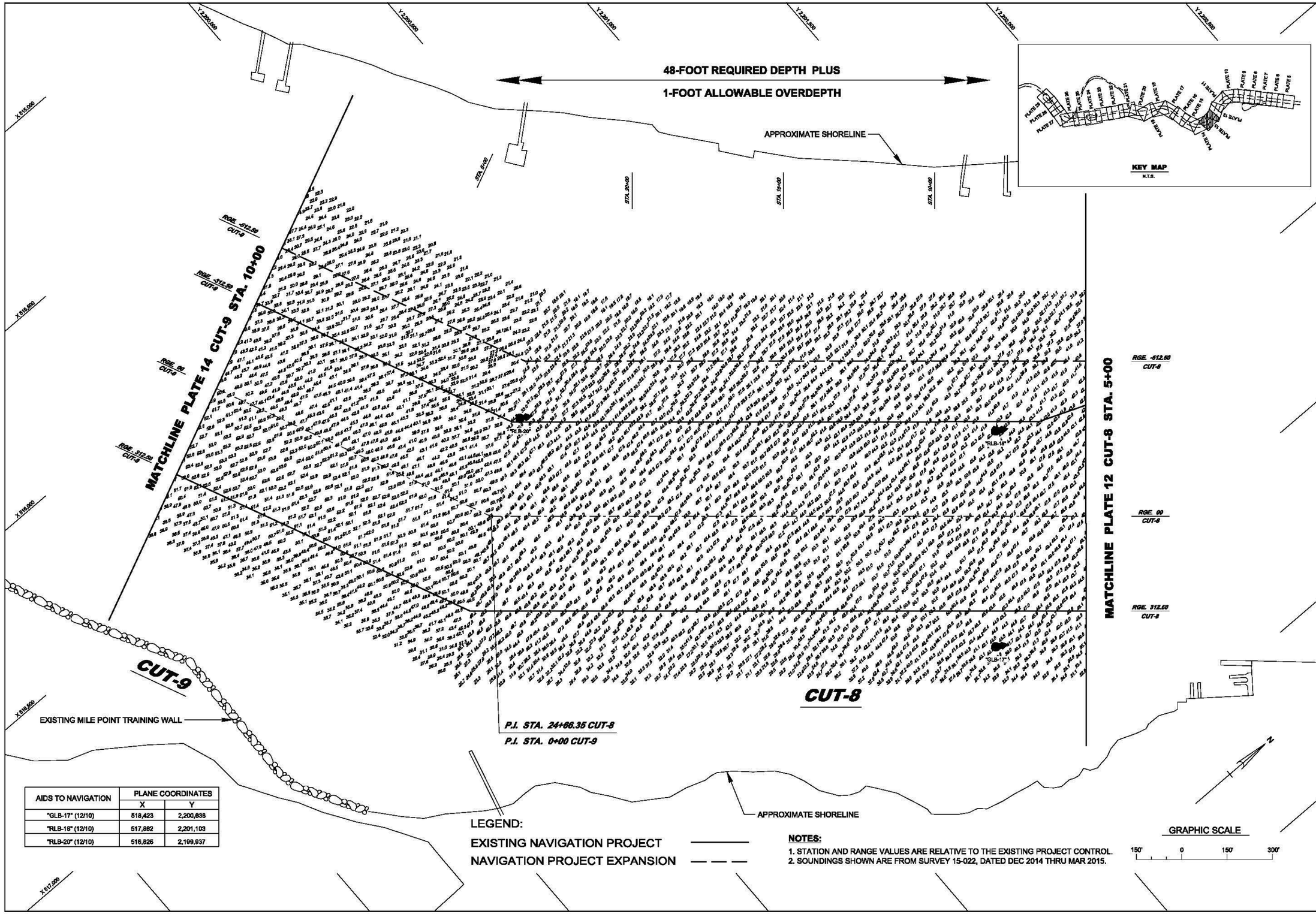
Scale: | Plot date: | Plot scale:

File name: | Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (CUT-7 STA. 3+00 TO CUT-8 STA. 5+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE

12



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-17" (12/10)	518,423	2,200,636
"RLB-18" (12/10)	517,882	2,201,103
"RLB-20" (12/10)	516,826	2,199,937

LEGEND:

EXISTING NAVIGATION PROJECT ———

NAVIGATION PROJECT EXPANSION — — —

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

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Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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Dated: APRIL 2016

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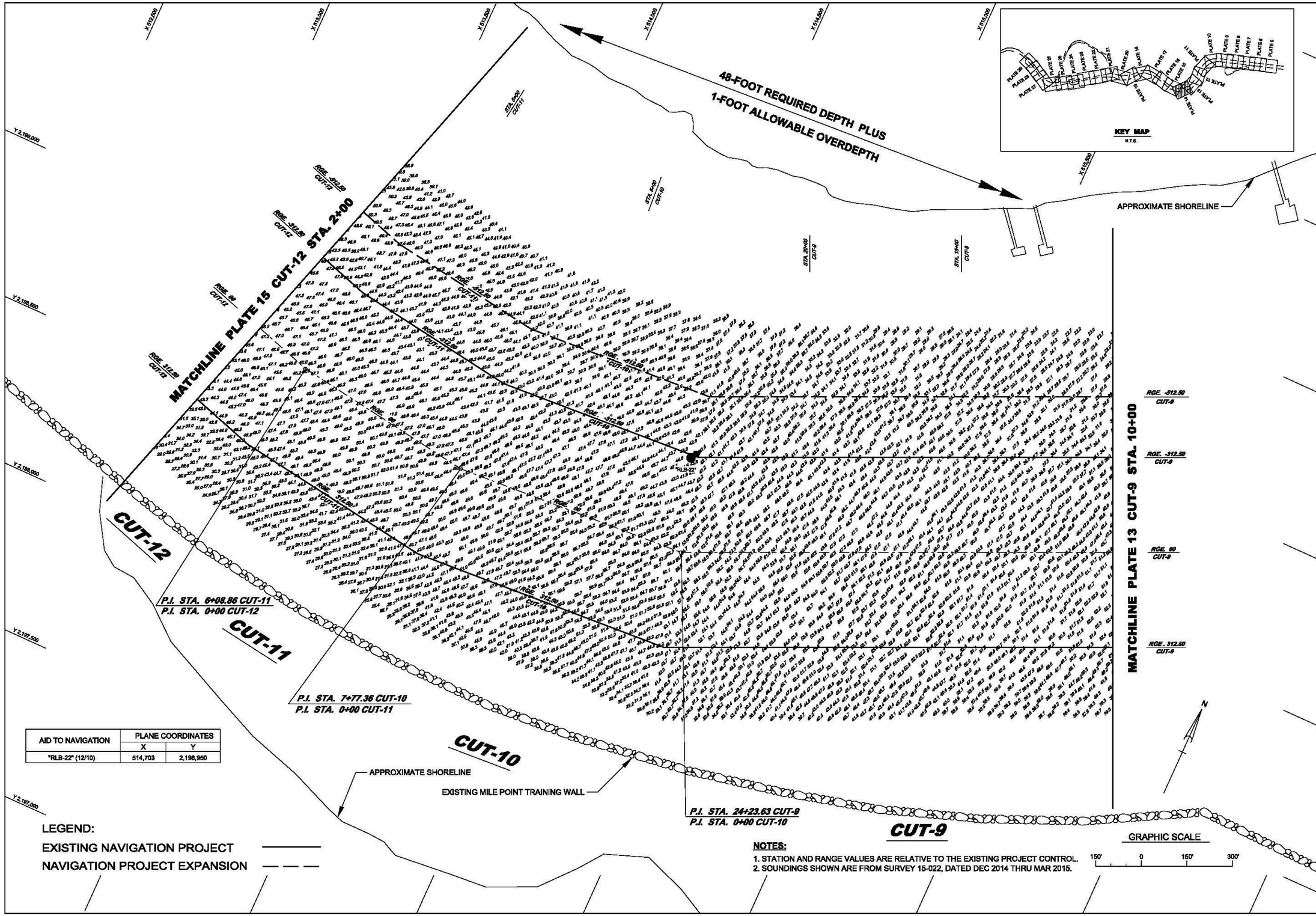
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47 PROJECT DEPTH (CUT-8 STA. 5+00 TO CUT-9 STA. 10+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
13



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"RLB-22" (12/10)	514,703	2,198,950

LEGEND:

EXISTING NAVIGATION PROJECT ———

NAVIGATION PROJECT EXPANSION — — —

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

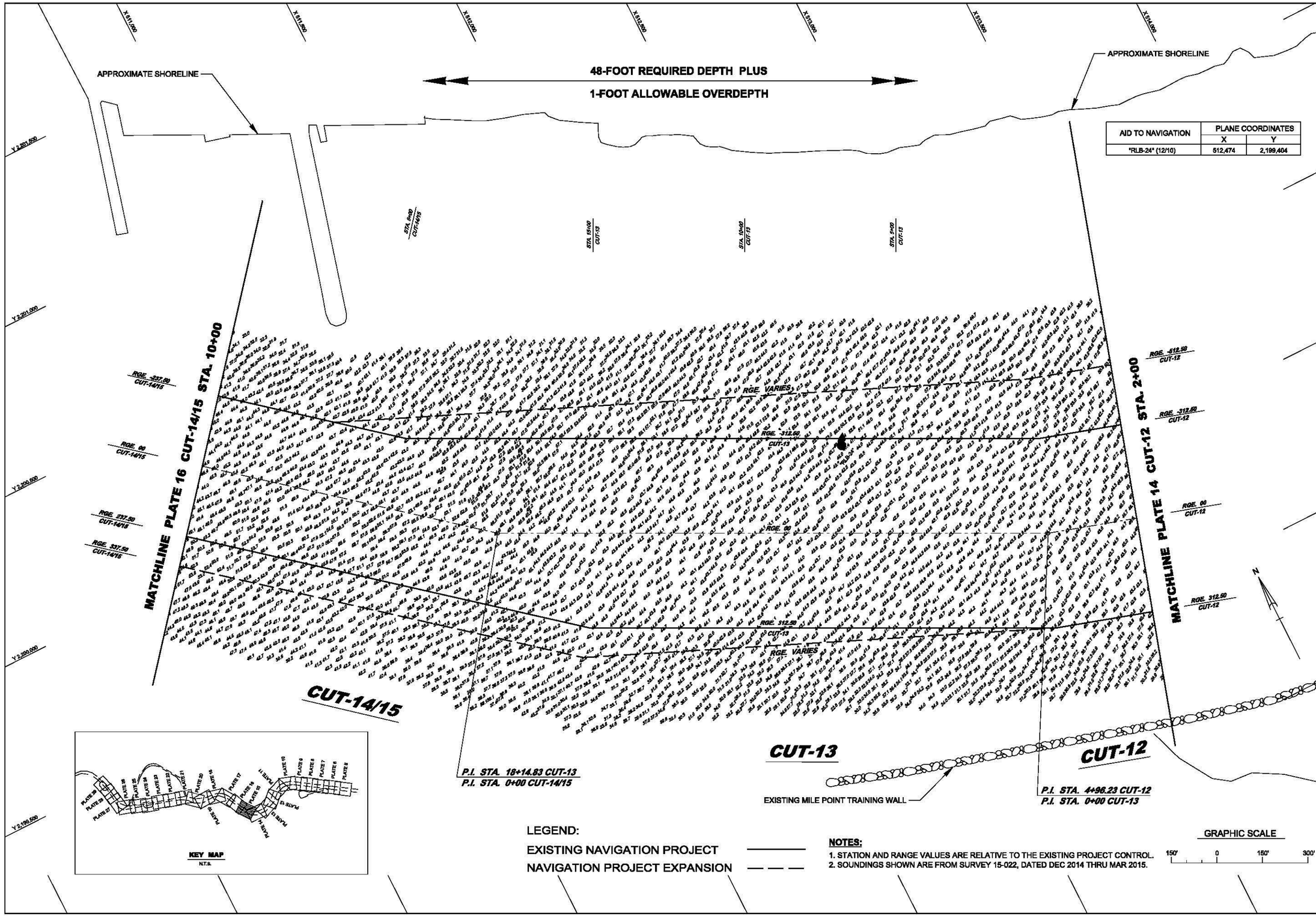
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Scale: | Plot date: | Plot scale:
File name: | Reference files:
Dated: APRIL 2015

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (CUT-9 STA. 10+00 TO CUT-12 STA. 2+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
14



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
RLB-24 (12/10)	512,474	2,199,404

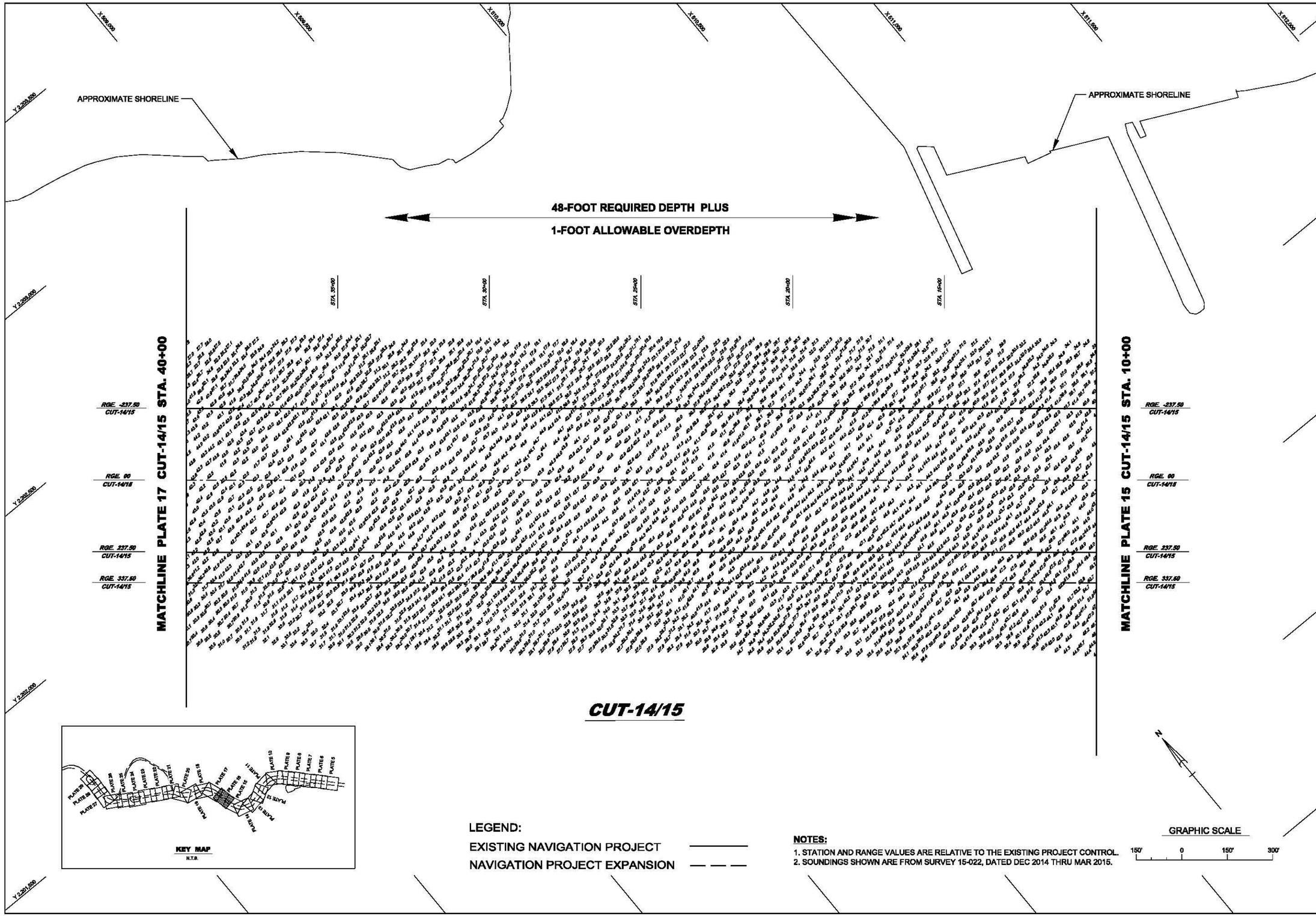
US Army Corps of Engineers
Jacksonville District

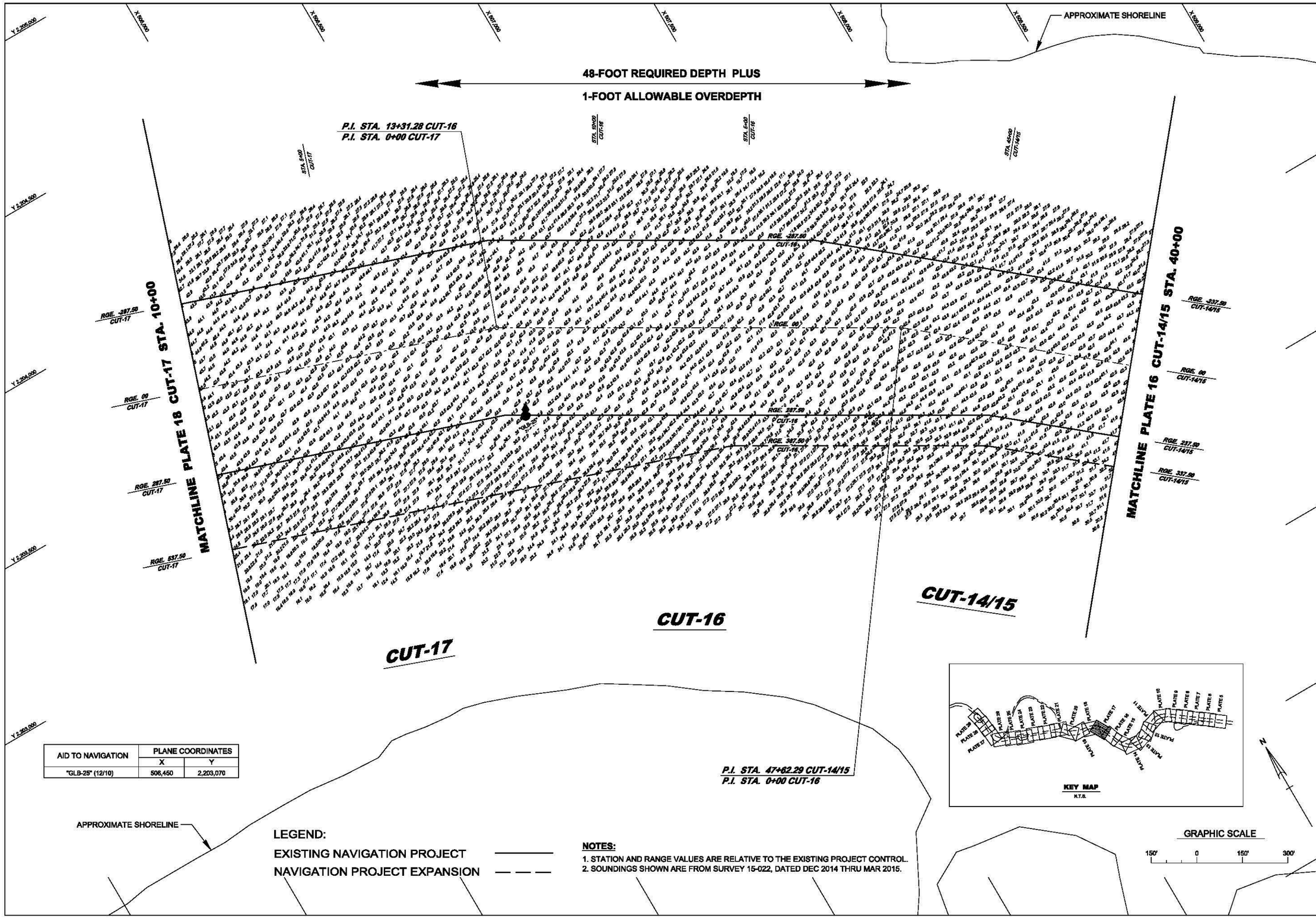
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2016
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT DEPTH (CUT-12 STA. 2+00 TO CUT-14/15 STA. 10+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
15


X 509,000
X 509,500
X 510,000
X 510,500
X 511,000
X 511,500
X 512,000
Y 2,203,500
Y 2,203,000
Y 2,202,000
Y 2,201,500
APPROXIMATE SHORELINE
APPROXIMATE SHORELINE
48-FOOT REQUIRED DEPTH PLUS
1-FOOT ALLOWABLE OVERDEPTH
STA. 35+00
STA. 30+00
STA. 25+00
STA. 20+00
STA. 15+00
MATCHLINE PLATE 17 CUT-14/15 STA. 40+00
MATCHLINE PLATE 15 CUT-14/15 STA. 10+00
RGE. -237.50 CUT-14/15
RGE. 90 CUT-14/15
RGE. 237.50 CUT-14/15
RGE. 337.50 CUT-14/15
CUT-14/15
KEY MAP
N.T.S.
LEGEND:
EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION
NOTES:
1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
GRAPHIC SCALE
150' 0 150' 300'
US Army Corps of Engineers Jacksonville District
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Dated: APRIL 2016
Scale:
Plot date:
Plot scale:
File name:
Reference files:
JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-14/15 STA. 10+00 TO CUT-14/15 STA. 40+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION
PLATE
16



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-25" (12/10)	506,450	2,203,070

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

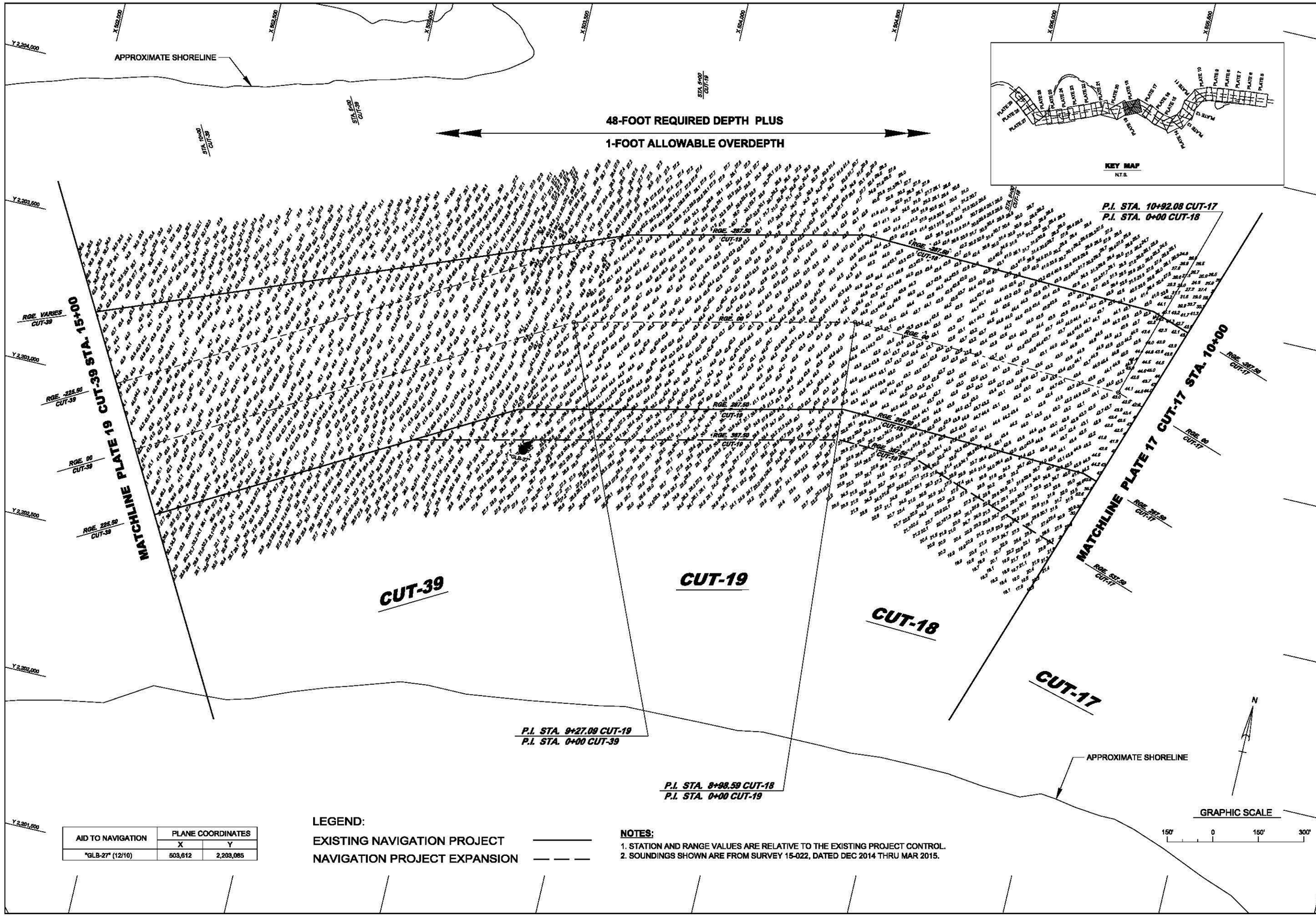
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-14/15 STA. 40+00 TO CUT-17 STA. 10+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
17



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-27" (12/10)	503,612	2,203,085

LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION — — —

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

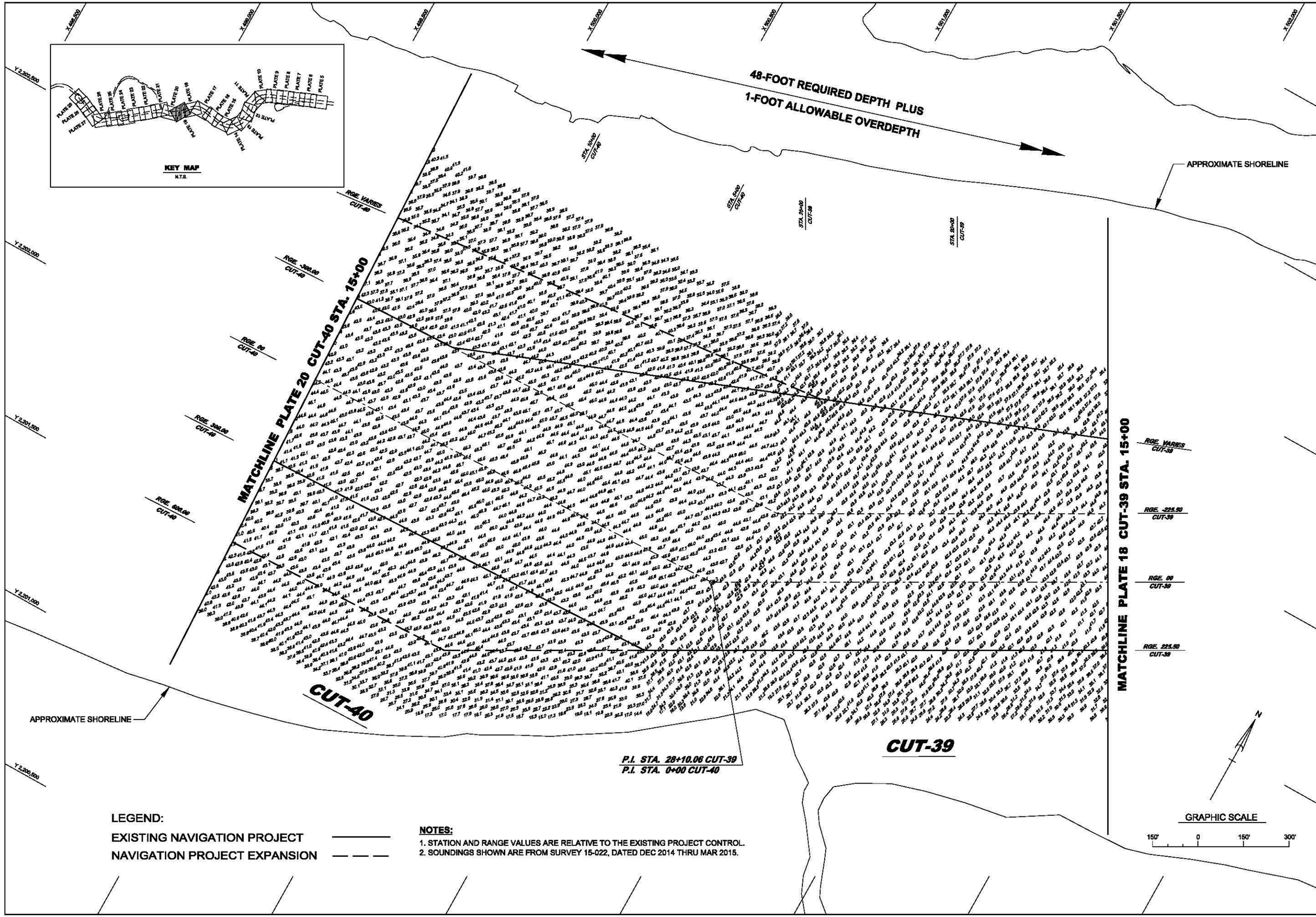
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Scale: | Plot date: | Plot scale: | File name: | Reference files: | Dated: APRIL 2015

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-17 STA. 10+00 TO CUT-39 STA. 15+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
18



LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION — — —

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

US Army Corps of Engineers
Jacksonville District

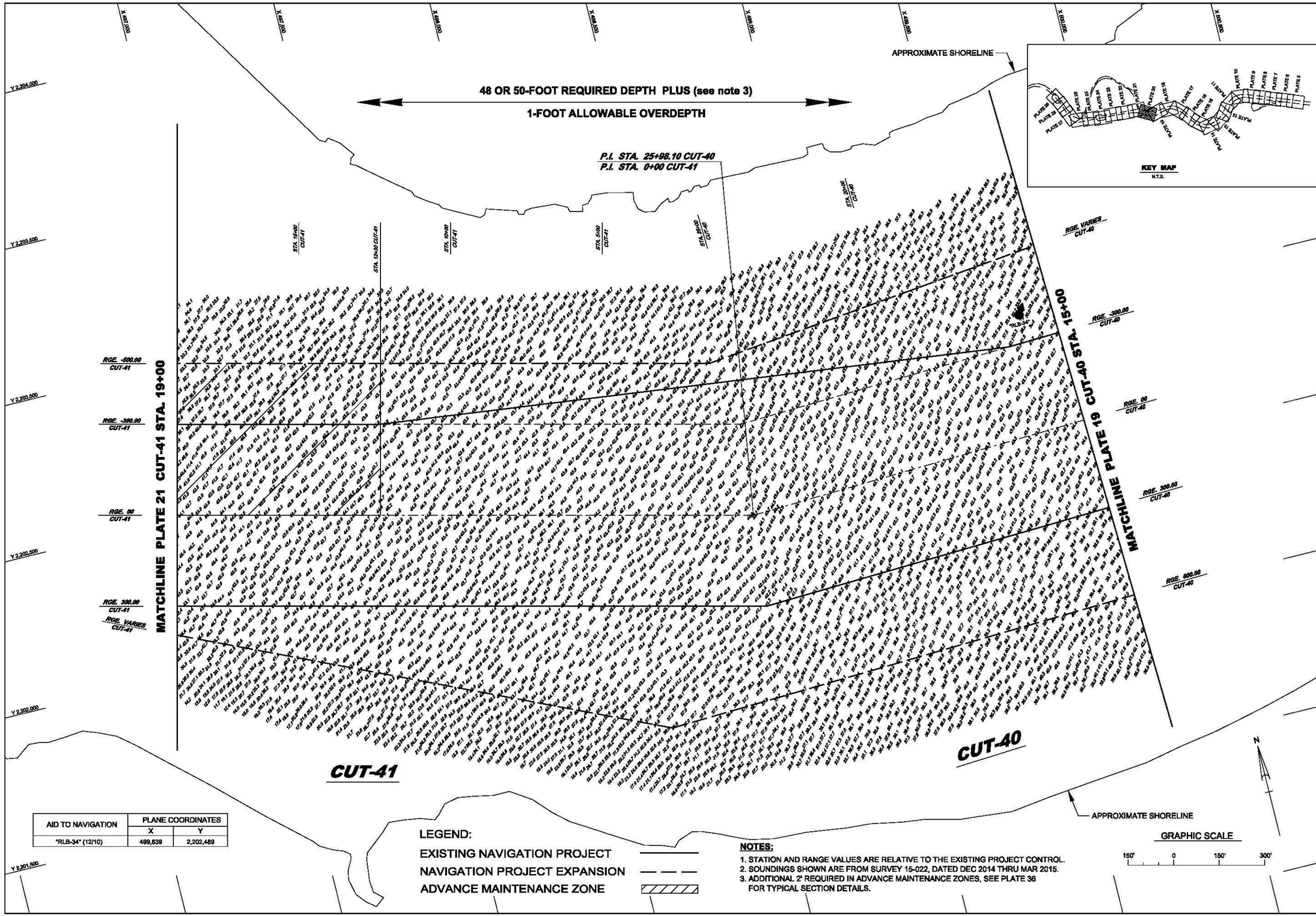
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: SRC | Scale:
Dwn by: SRC | Plot date:
Ckd by: LKP | Plot scale:
Dated: APRIL 2016

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-39 STA. 15+00 TO CUT-40 STA. 15+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
19



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"RLB-34" (12/10)	499,639	2,202,489

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

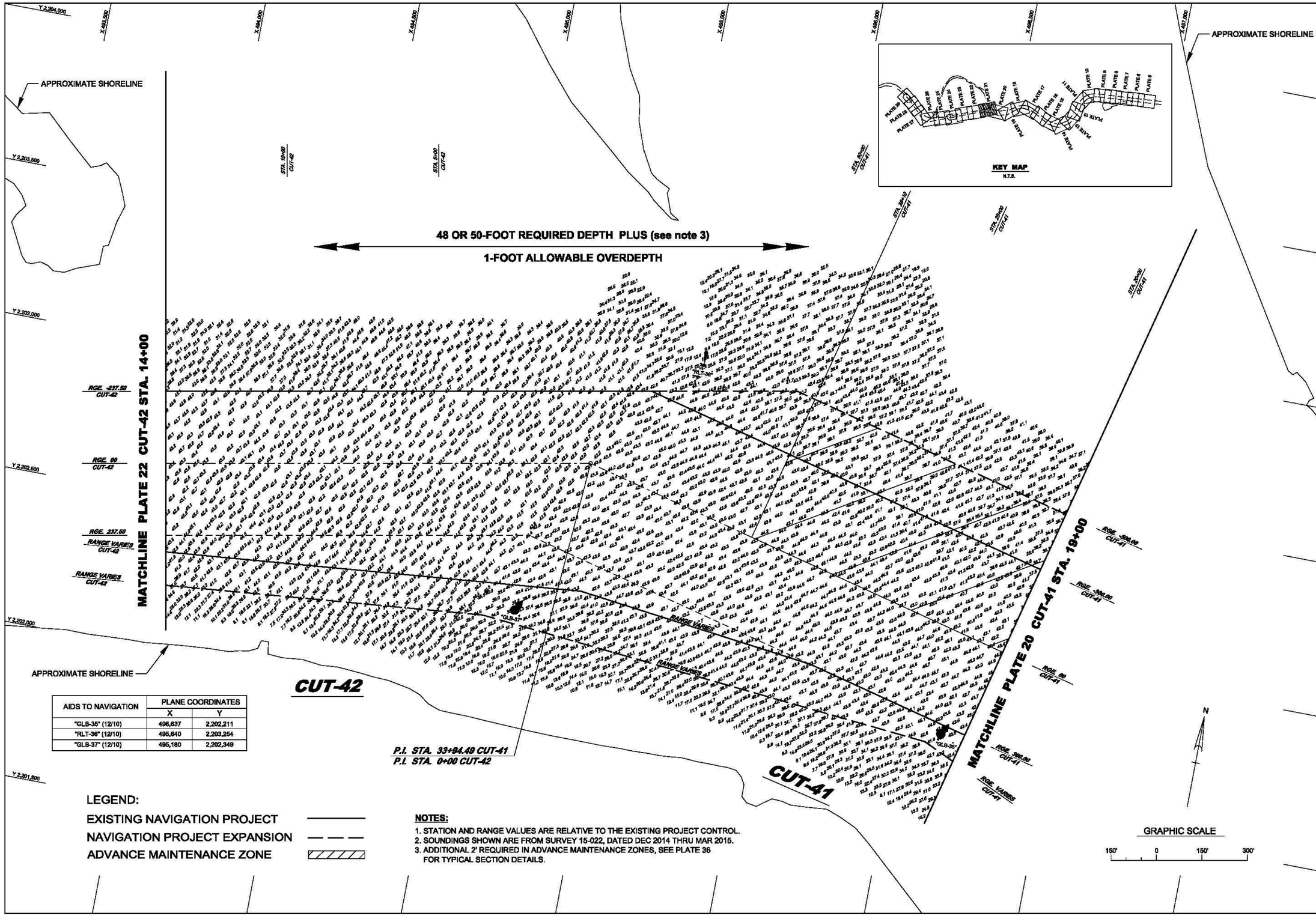
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Dated: APRIL 2015
Scale:
Plot date:
Plot scale:
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-40 STA. 15+00 TO CUT-41 STA. 19+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
20



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-35" (12/10)	496,637	2,202,211
"RLT-36" (12/10)	495,640	2,203,254
"GLB-37" (12/10)	495,180	2,202,349

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

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

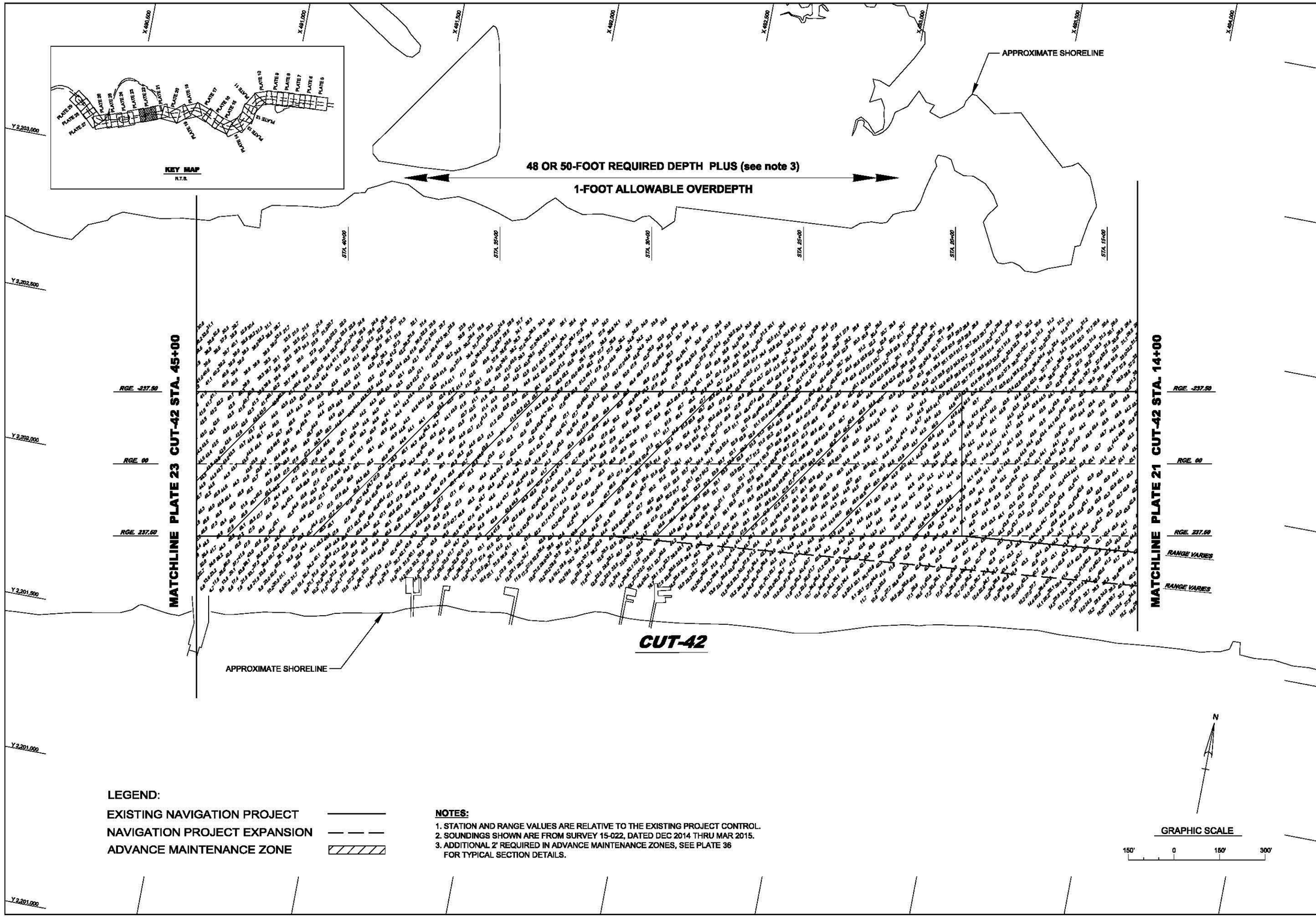
Scale:
Plot date:
Plot scale:

Designed by: SRC
Dwn by: SRC
Ckd by: LBP
Dated: APRIL 2016

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-41 STA. 19+00 TO CUT-42 STA 14+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
21



LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

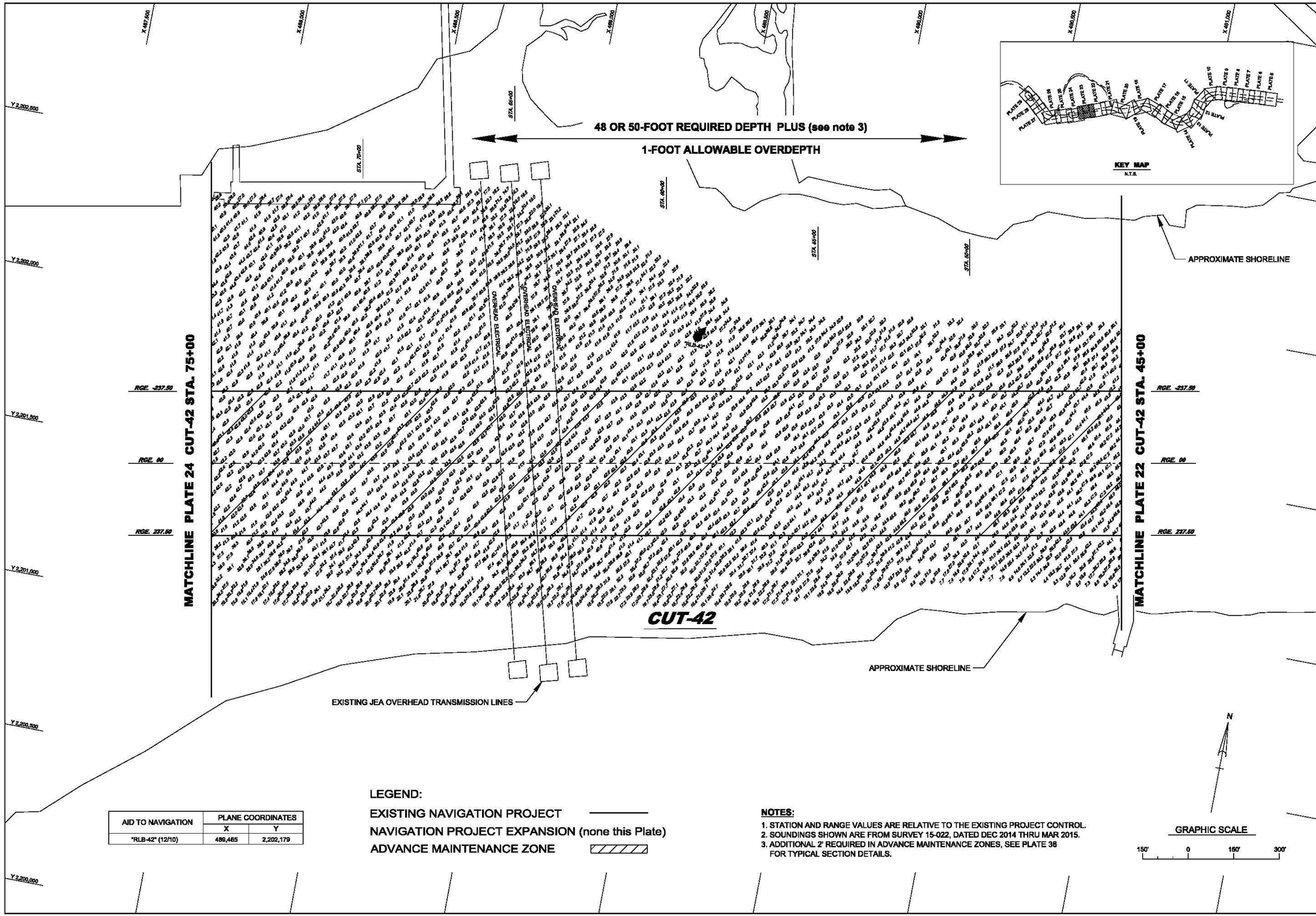
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Dated: APRIL 2016
Scale:
Plot date:
Plot scale:
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-42 STA. 14+00 TO STA. 45+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
22



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"RLB-42" (12/10)	489,465	2,202,179

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION (none this Plate)

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 38 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

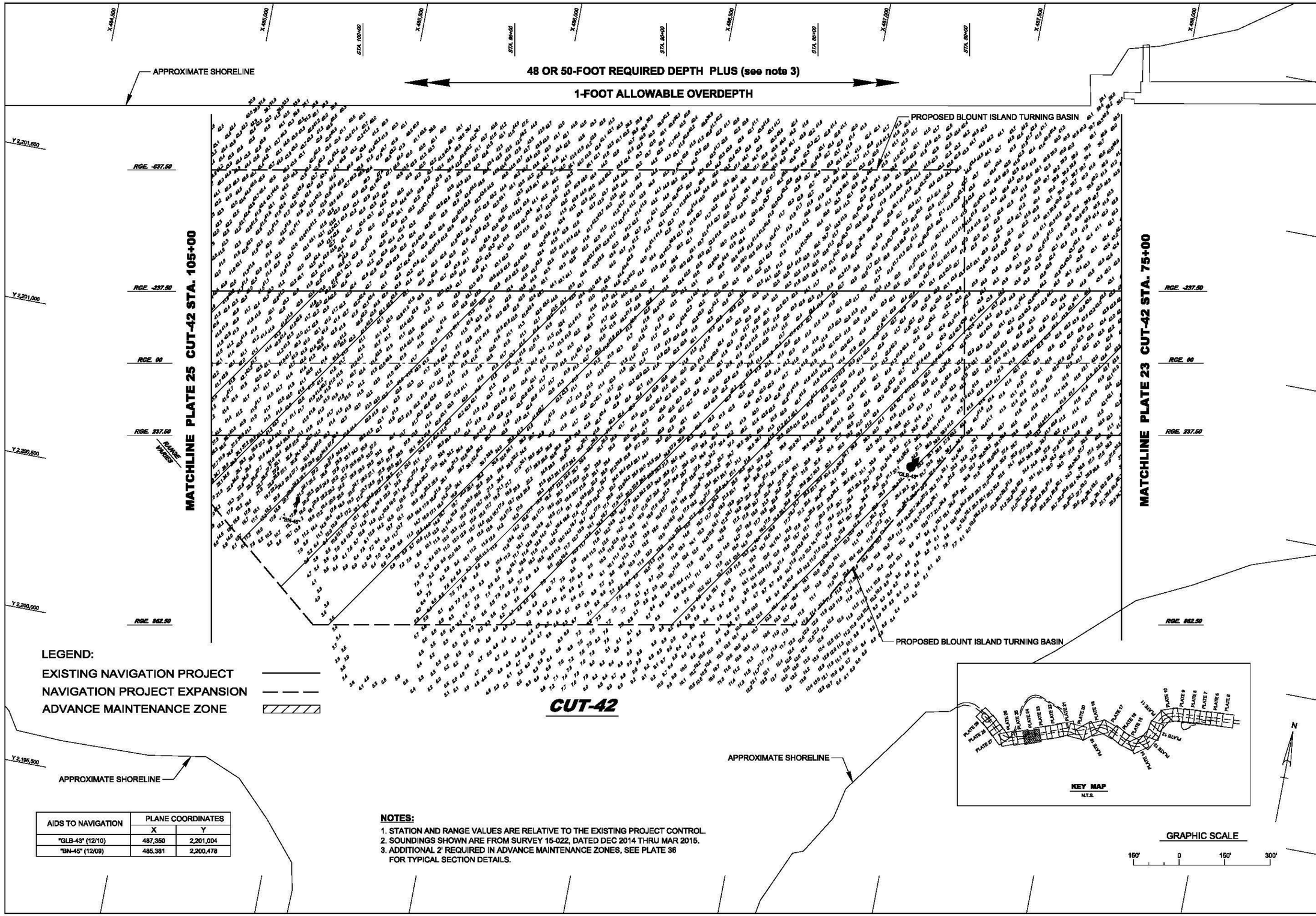
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Scale: | Plot date: | Plot scale: | Dated: APRIL 2015

File name: | Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-42 STA. 45+00 TO STA. 75+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
23



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-43" (12/10)	487,350	2,201,004
"BN-45" (12/09)	485,381	2,200,478

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

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

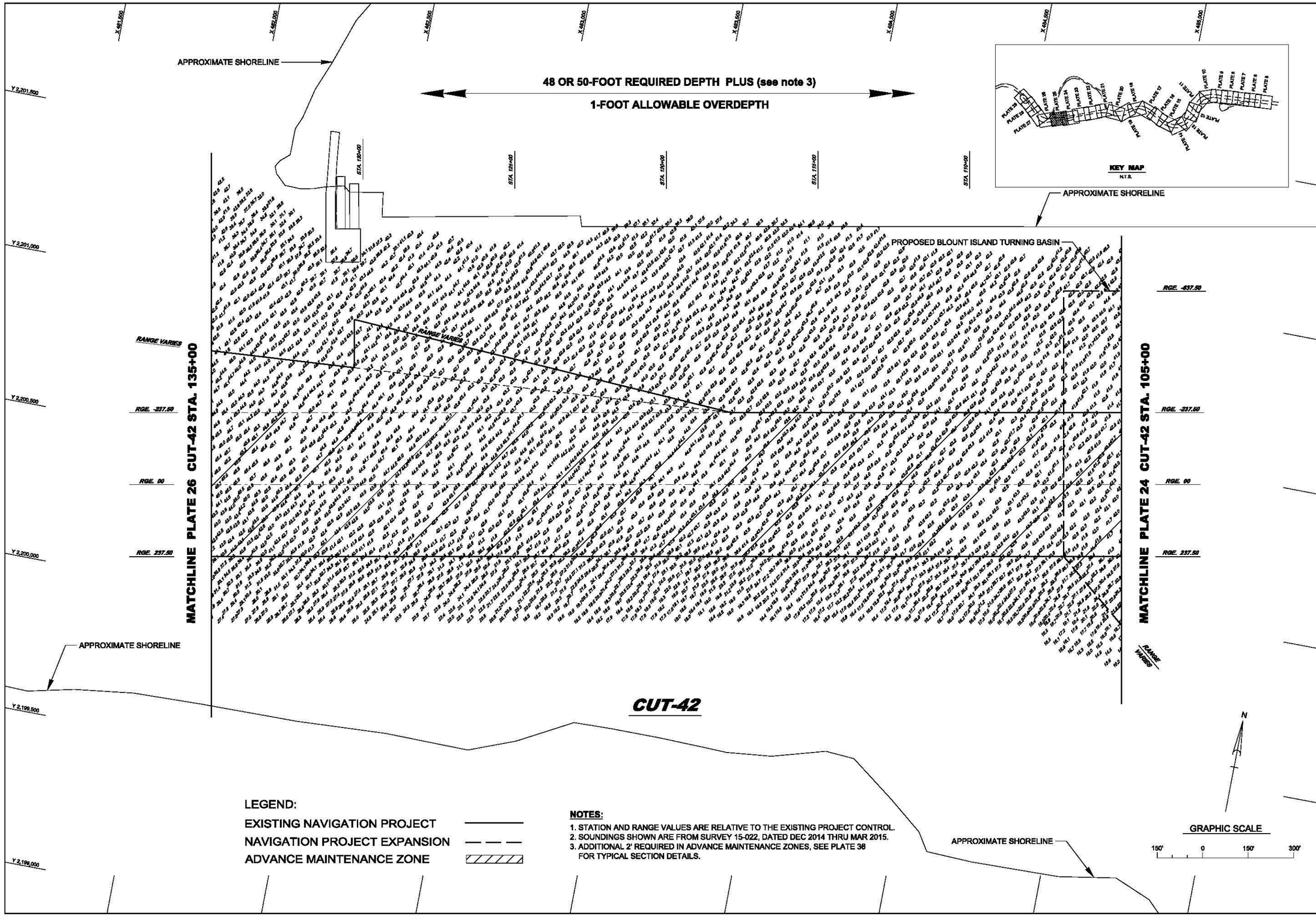
Scale:
Plot date:
Plot scale:

Designed by: SRG
Dwn by: SRG
Ckd by: LKP
Dated: APRIL 2016

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-42 STA. 75+00 TO STA. 105+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
24



LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ADVANCE MAINTENANCE ZONE

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 36 FOR TYPICAL SECTION DETAILS.

US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2016

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-42 STA. 105+00 TO STA. 135+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
25

APPROXIMATE SHORELINE

DAMES POINT BRIDGE

48-FOOT REQUIRED DEPTH PLUS

1-FOOT ALLOWABLE OVERDEPTH

APPROXIMATE SHORELINE

APPROXIMATE SHORELINE

MATCHLINE PLATE 27 CUT-43 STA. 15+00

CUT-43

CUT-42

MATCHLINE PLATE 25 CUT-42 STA. 135+00

RANGE VARIES

RGE. -237.50

RGE. 00

RGE. 237.50

RGE. -267.50

RGE. 00

RGE. 267.50

STA. 150+00 CUT-42

STA. 145+00 CUT-42

STA. 140+00 CUT-42

STA. 5+00 CUT-43

STA. 10+00 CUT-43

Y 2,201,500

Y 2,201,000

Y 2,200,500

Y 2,200,000

Y 2,199,500

Y 2,199,000

X 479,000

X 479,500

X 480,000

X 480,500

X 481,000

X 481,500

X 482,000

APPROXIMATE SHORELINE

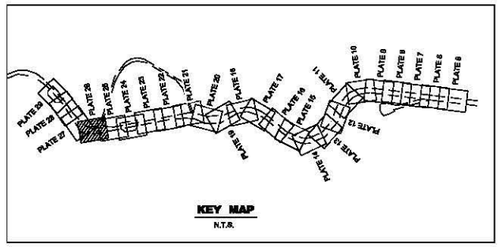
P.I. STA. 152+45.88 CUT-42

P.I. STA. 0+00 CUT-43

DAMES POINT BRIDGE

APPROXIMATE SHORELINE

N



KEY MAP

N.T.S.

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION (none this Plate)

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

GRAPHIC SCALE

150' 0 150' 300'

US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Dated: APRIL 2015
Scale:
Plot date:
Plot scale:
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-42 STA. 135+00 TO CUT-43 STA. 15+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
26

48-FOOT REQUIRED DEPTH PLUS

1-FOOT ALLOWABLE OVERDEPTH

APPROXIMATE SHORELINE

APPROXIMATE SHORELINE

APPROXIMATE SHORELINE

APPROXIMATE SHORELINE

MATCHLINE PLATE 28 CUT-44 STA. 25+00

MATCHLINE PLATE 26 CUT-43 STA. 15+00

CUT-44

CUT-43

P.I. STA. 21+57.00 CUT-43

P.I. STA. 0+00 CUT-44

RGE. VARIES
RGE. -362.50
CUT-44

RGE. 00
CUT-44

RGE. 262.50
CUT-44

RGE. 587.00
CUT-43

RGE. 00
CUT-43

RGE. 587.00
CUT-43

STA. 20+00
CUT-44

STA. 15+00
CUT-44

STA. 10+00
CUT-44

STA. 5+00
CUT-44

STA. 20+00
CUT-43

Y 2,204,000

Y 2,203,500

Y 2,203,000

Y 2,202,500

Y 2,202,000

Y 2,201,500

Y 2,201,000

Y 2,200,500

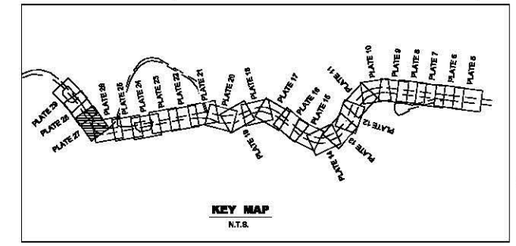
X 478,000

X 477,500

X 477,000

X 476,500

X 476,000



KEY MAP

N.T.S.

AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-49" (12/10)	477,138	2,202,322

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION (none this Plate)

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

GRAPHIC SCALE

150' 0 150' 300'

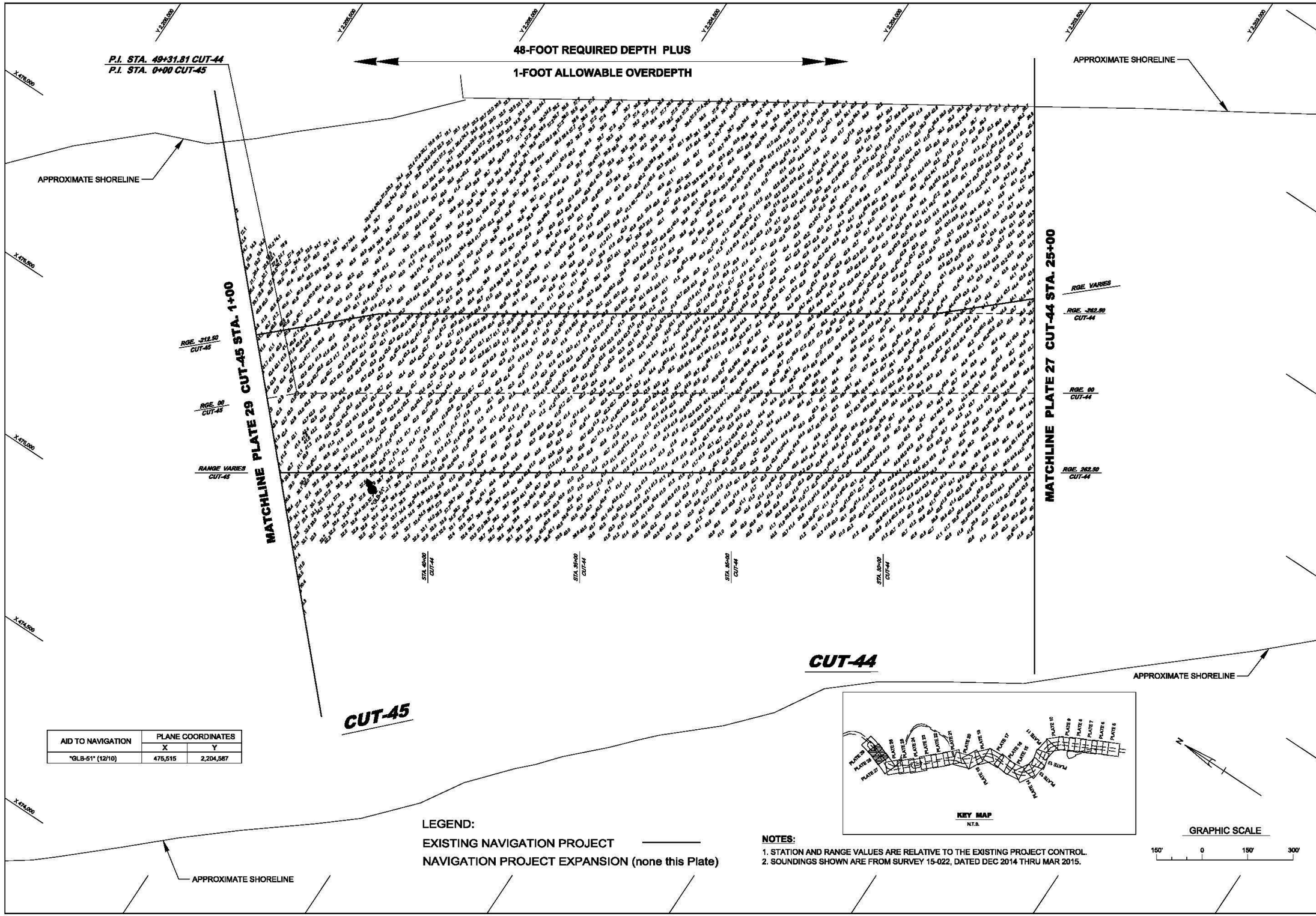
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Dated: APRIL 2016
Scale:
Plot date:
Plot scale:
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-43 STA. 15+00 TO CUT-44 STA. 25+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
27



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
"GLB-51" (12/10)	475,515	2,204,587

LEGEND:

EXISTING NAVIGATION PROJECT ———

NAVIGATION PROJECT EXPANSION (none this Plate)

NOTES:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.

US Army Corps of Engineers
Jacksonville District

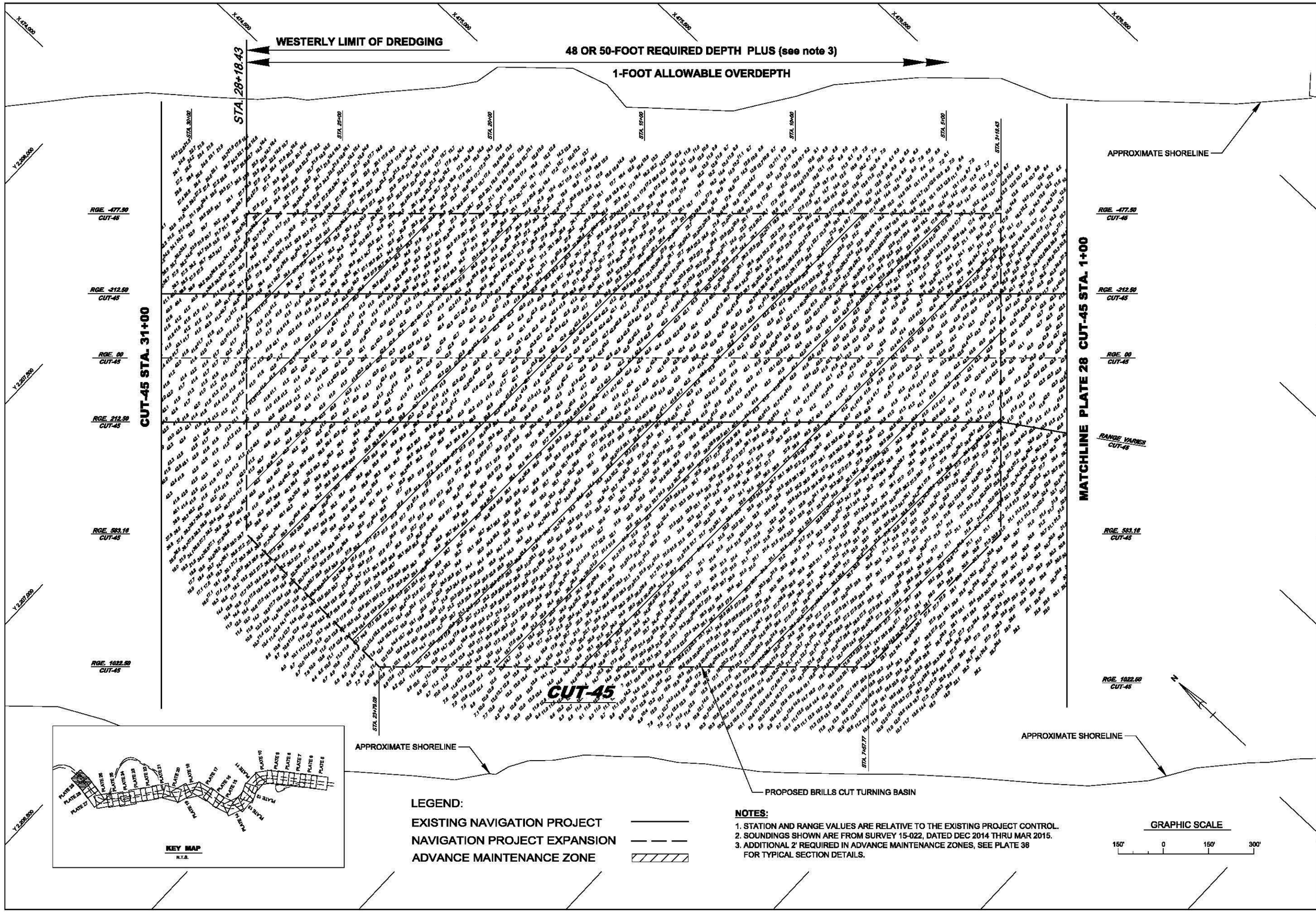
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

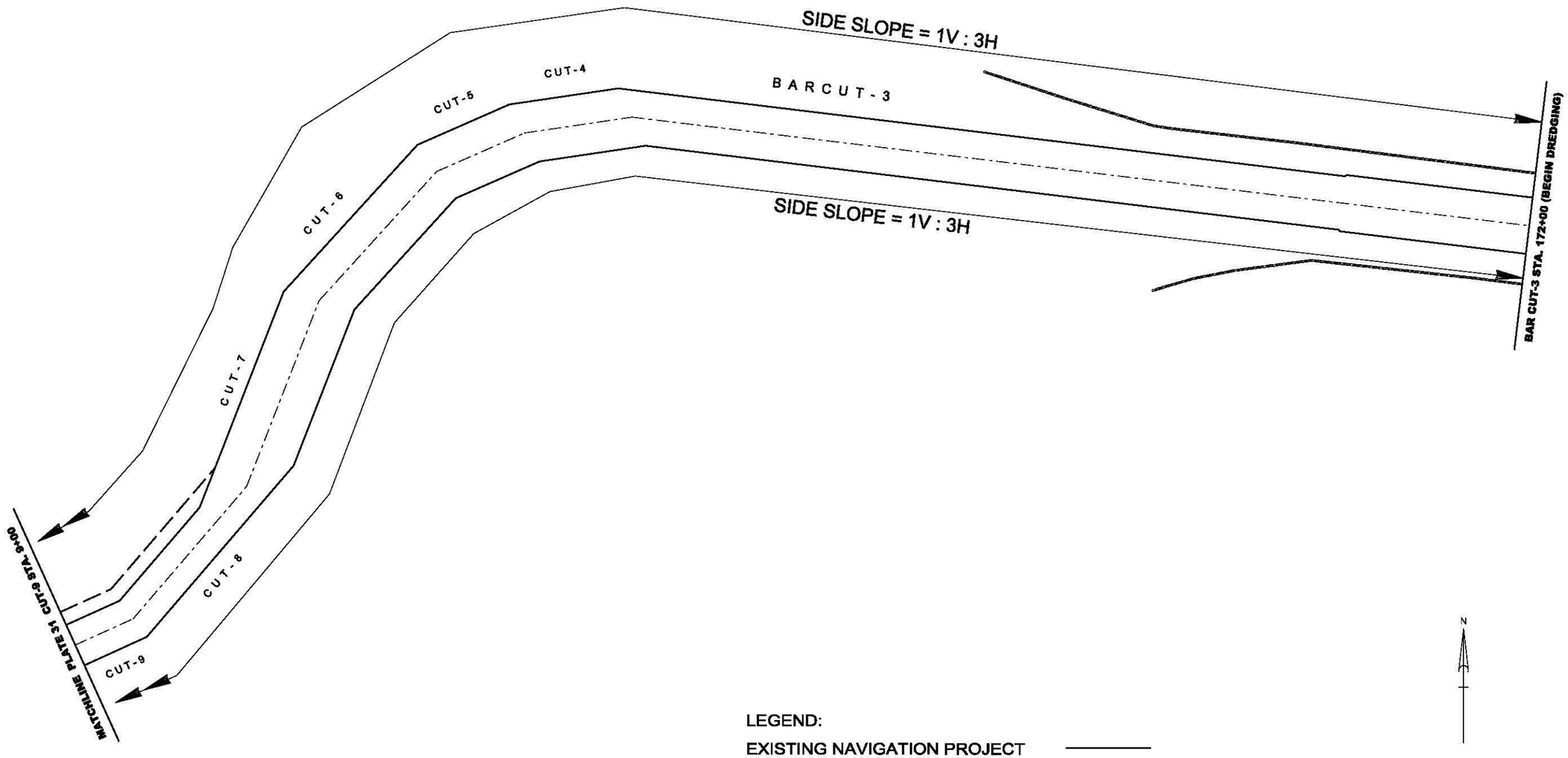
Designed by: SRC | Dwn by: SRC | Ckd by: LRP | Scale: | Plot date: | Plot scale: | Dated: APRIL 2016

File name: | Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-44 STA. 25+00 TO CUT-45 STA. 1+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
28


WESTERLY LIMIT OF DREDGING
48 OR 50-FOOT REQUIRED DEPTH PLUS (see note 3)
1-FOOT ALLOWABLE OVERDEPTH
STA. 28+18.43
APPROXIMATE SHORELINE
CUT-45 STA. 31+00
MATCHLINE PLATE 28 CUT-45 STA. 1+00
RGE. -477.50 CUT-45
RGE. -212.50 CUT-45
RGE. 00 CUT-45
RGE. 212.50 CUT-45
RANGE VARIES CUT-45
RGE. 593.16 CUT-45
RGE. 1022.50 CUT-45
CUT-45
STA. 29+70.09
STA. 7+67.77
PROPOSED BRILLS CUT TURNING BASIN
KEY MAP
N.T.S.
LEGEND:
EXISTING NAVIGATION PROJECT
NAVIGATION PROJECT EXPANSION
ADVANCE MAINTENANCE ZONE
NOTES:
1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUNDINGS SHOWN ARE FROM SURVEY 15-022, DATED DEC 2014 THRU MAR 2015.
3. ADDITIONAL 2' REQUIRED IN ADVANCE MAINTENANCE ZONES, SEE PLATE 38 FOR TYPICAL SECTION DETAILS.
GRAPHIC SCALE
150' 0 150' 300'
US Army Corps of Engineers Jacksonville District
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
Designed by: SRC
Dwn by: SRC
Ckd by: LKP
Dated: APRIL 2015
Scale:
Plot date:
Plot scale:
File name:
Reference files:
JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
RECOMMENDED PLAN
47' PROJECT (CUT-45 STA. 1+00 TO STA. 28+18.43)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION
PLATE
29



LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ENTRANCE CHANNEL JETTIES

NOTE: STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.

US Army Corps of Engineers
Jacksonville District

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

File name:
Reference files:

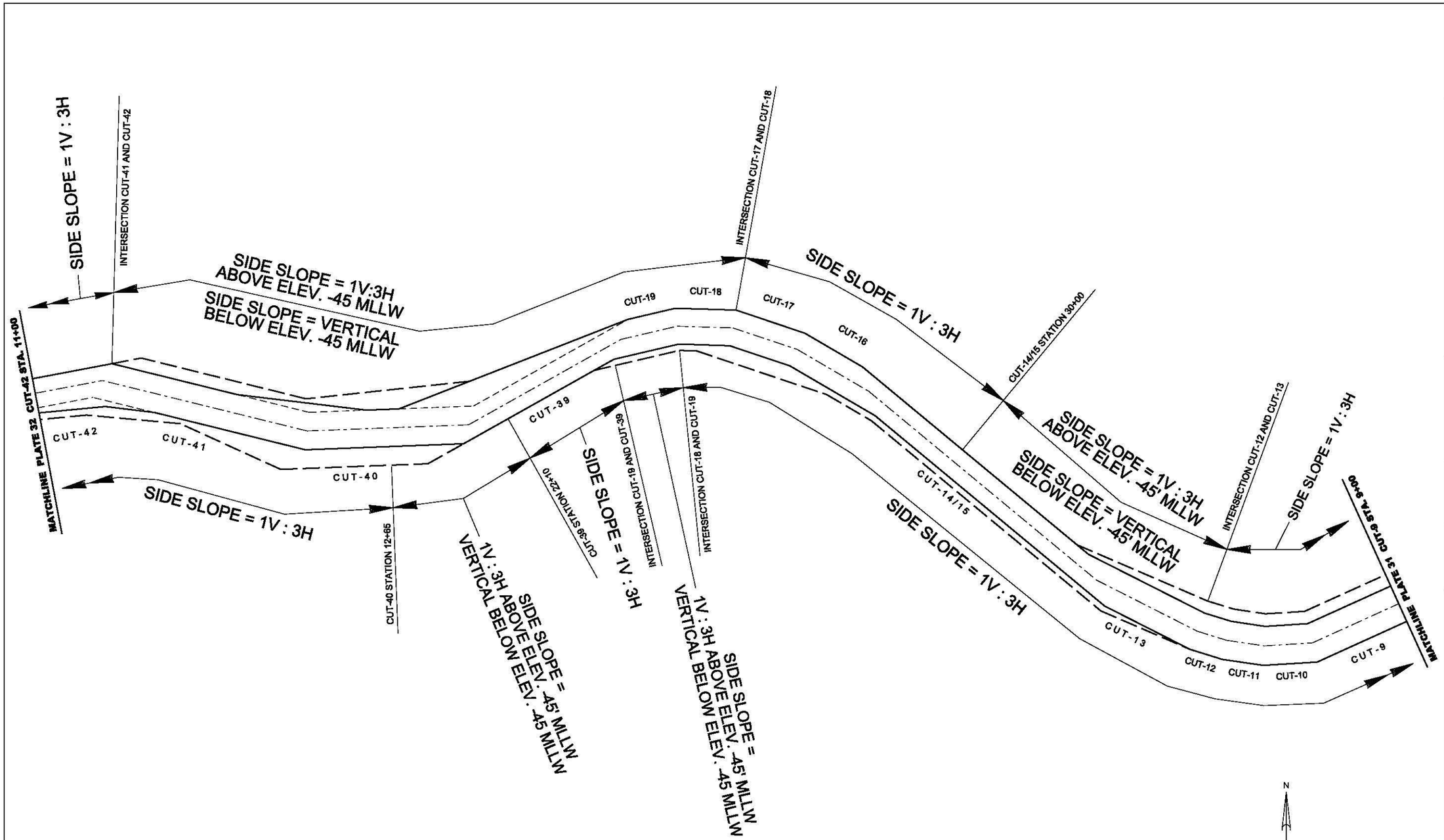
Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2015

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA

SIDE SLOPE PLAN (BAR CUT-3 STA. 172+00 TO CUT-9 STA. 9+00)

WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
30



LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION — — — -

NOTE: STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.

US Army Corps of Engineers
Jacksonville District

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

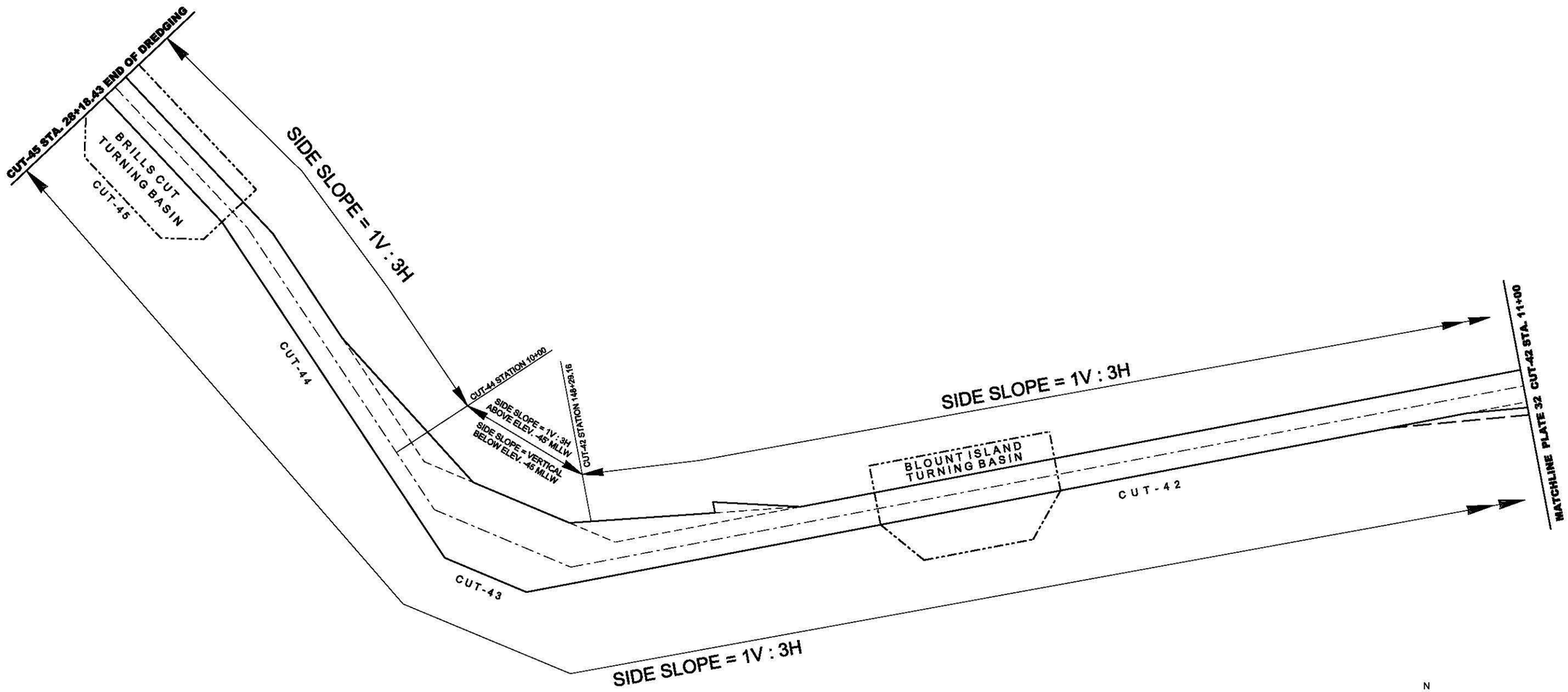
Designed by: SRC | Scale:
Dwn by: SRC | Ckd by: LRP | Plot date: | Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA

SIDE SLOPE PLAN (CUT-9 STA. 9+00 TO CUT-42 STA. 11+00)

WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
31



LEGEND:

EXISTING NAVIGATION PROJECT ————

NAVIGATION PROJECT EXPANSION — — — -

NEW PROJECT TURNING BASINS -·-·-·-·-

NOTE: STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.

US Army Corps of Engineers
Jacksonville District

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

Scale:
Plot date:
Plot scale:

Designed by: SRC
Dwn by: SRC
Ckd by: LBP
Dated: APRIL 2015

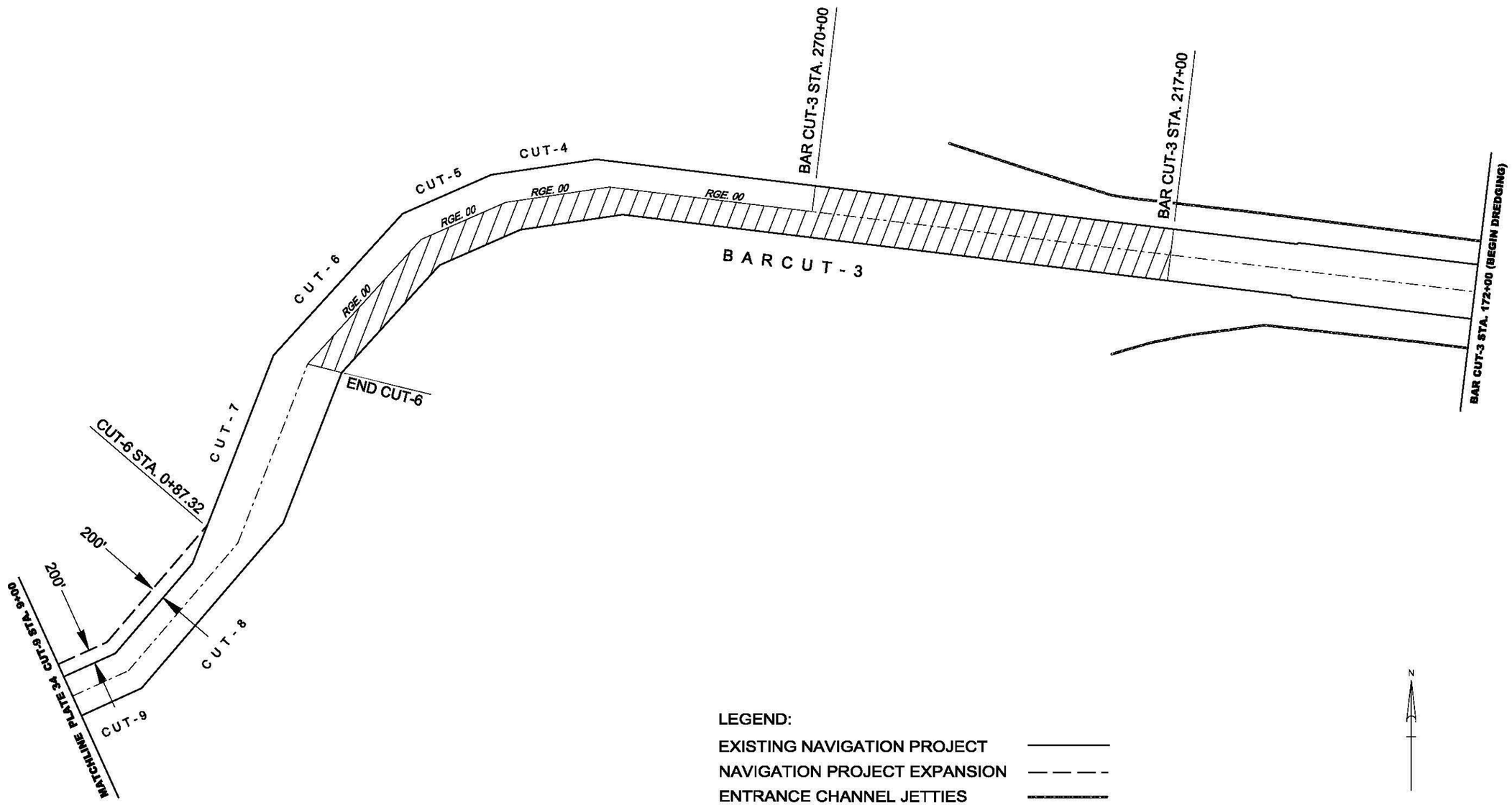
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA

SIDE SLOPE PLAN (CUT-42 STA. 11+00 TO CUT-45 STA. 28+18.43)

WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
32



NOTE: STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.

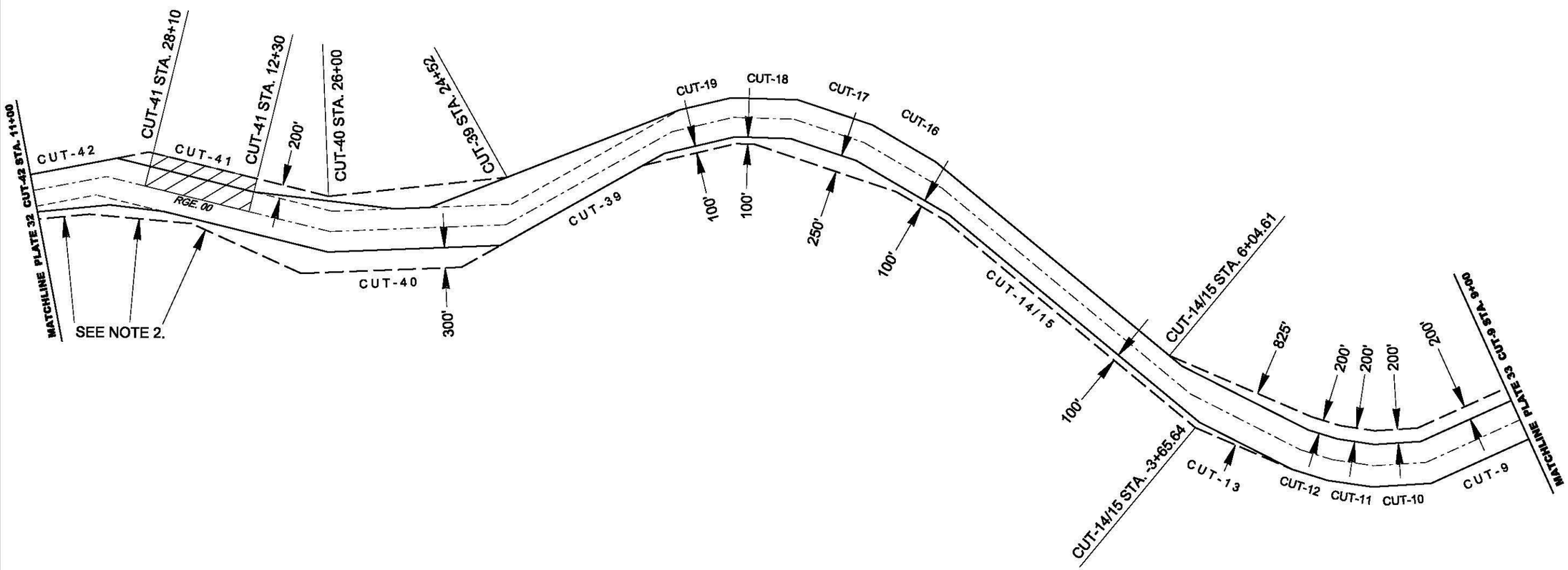
US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
Dwn by: SRC
Ckd by: LRP
Scale:
Plot date:
Plot scale:
File name:
Reference files:
Dated: APRIL 2015

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
ADVANCE MAINTENANCE ZONE LIMITS
(BAR CUT-3 STA. 172+00 TO CUT-9 STA. 9+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
33



NOTE:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUTH WIDENER EXPANSIONS FOR CUT-41 AND CUT-42 ARE THE SAME AS THE EXISTING 38' PROJECT WIDENERS

LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

ADVANCE MAINTENANCE ZONE

GRAPHIC SCALE

1600' 0 1600'

US Army Corps of Engineers
Jacksonville District

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

Designed by: SRC
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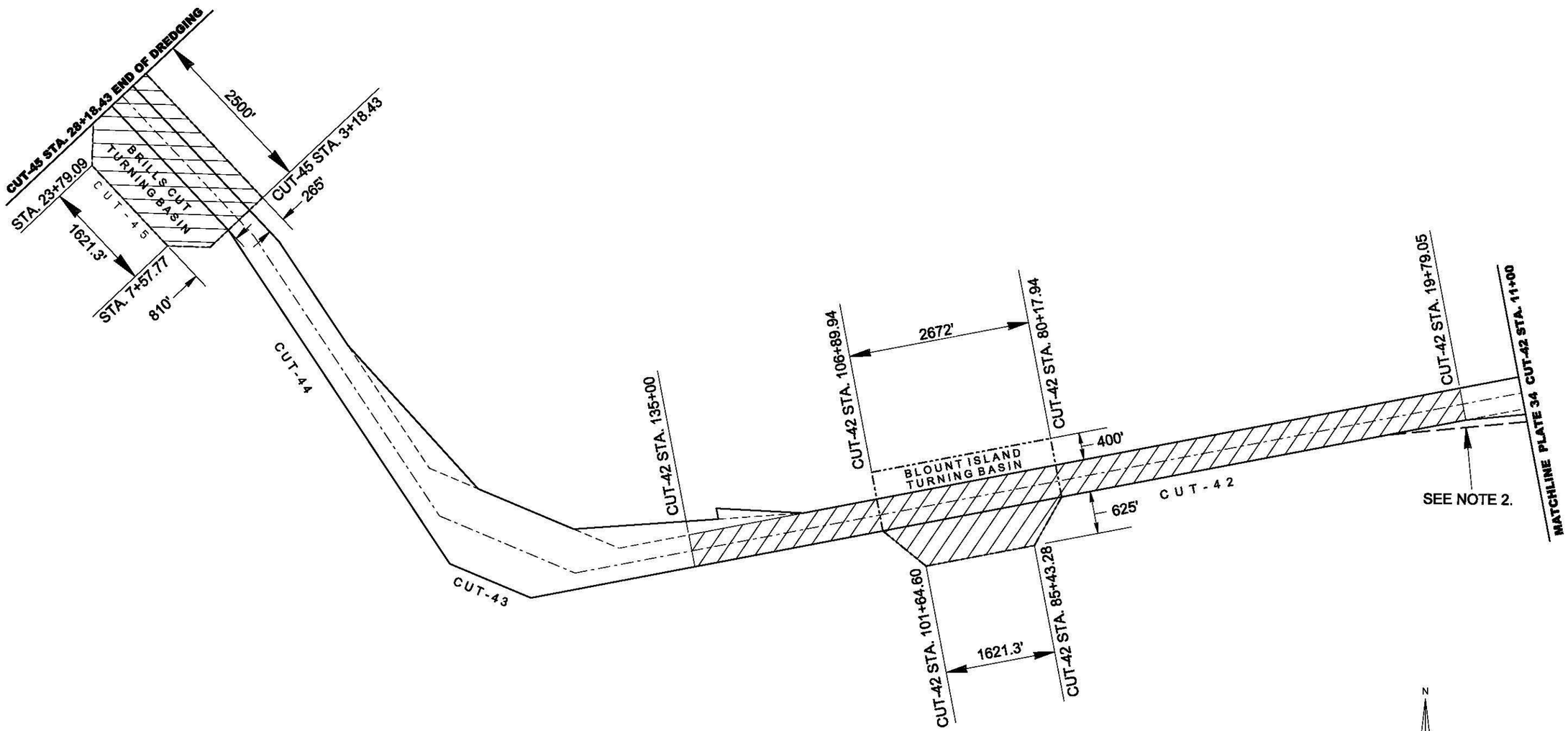
Ckd by: LRP
Scale:
Plot date:
Plot scale:
Dated: APRIL 2015

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
ADVANCE MAINTENANCE ZONE LIMITS
(CUT-9 STA. 9+00 TO CUT-42 STA 11+00)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
34



LEGEND:

EXISTING NAVIGATION PROJECT

NAVIGATION PROJECT EXPANSION

NEW PROJECT TURNING BASINS

ADVANCE MAINTENANCE ZONE

NOTE:

1. STATION AND RANGE VALUES ARE RELATIVE TO THE EXISTING PROJECT CONTROL.
2. SOUTH WIDENER EXPANSION FOR CUT-42 IS THE SAME AS THE EXISTING 38' PROJECT WIDENER

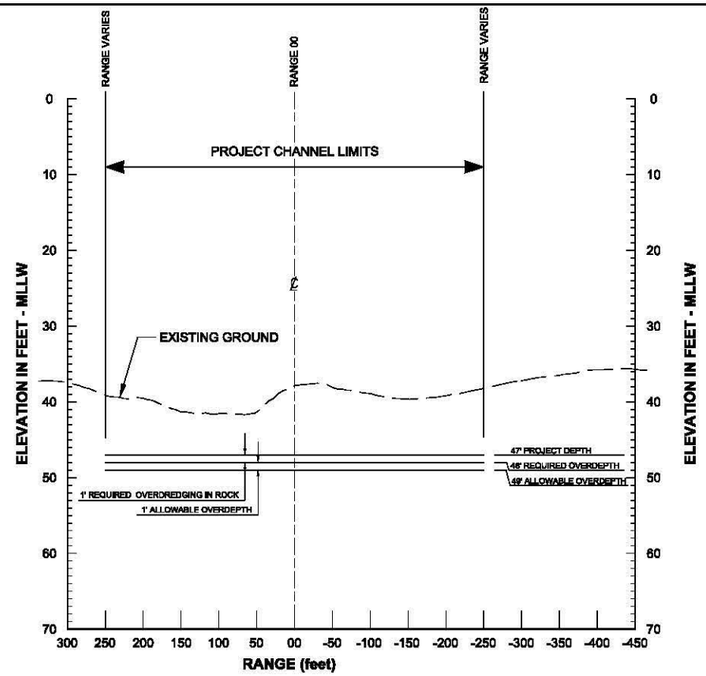
US Army Corps of Engineers
Jacksonville District

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

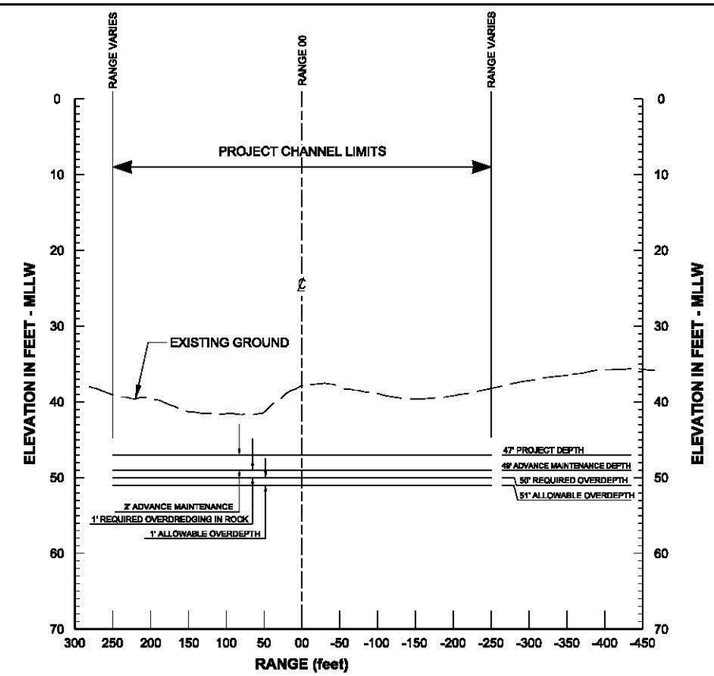
Designed by: SRC | Scale:
Dwn by: SRC | Ckd by: LRP | Plot date: | Plot scale:
Dated: APRIL 2015
File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
ADVANCE MAINTENANCE ZONE LIMITS
(CUT-42 STA. 11+00 TO CUT-45 STA. 28+18.43)
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

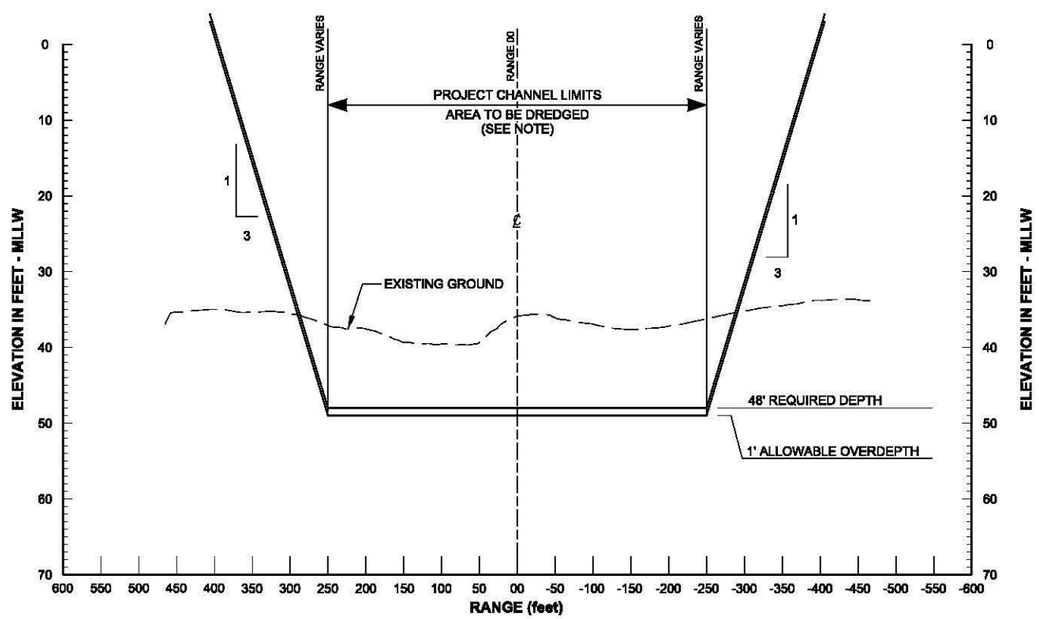
PLATE
35



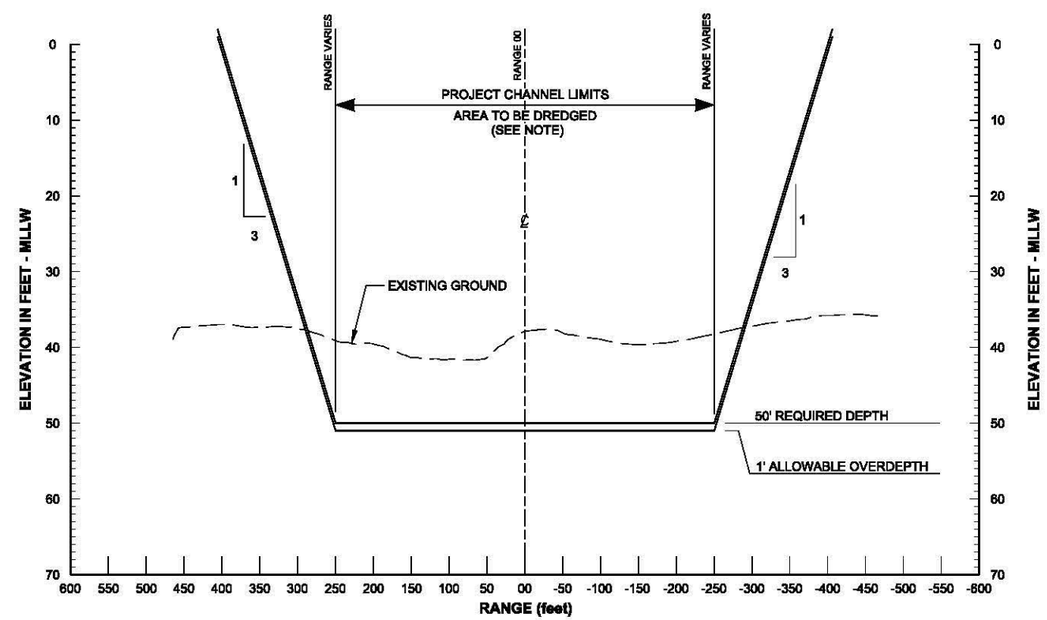
TYPICAL CROSS SECTION - DEPTH TERMINOLOGY
WITHOUT ADVANCE MAINTENANCE



TYPICAL CROSS SECTION - DEPTH TERMINOLOGY
WITH ADVANCE MAINTENANCE



TYPICAL CROSS SECTION - CONTRACT
WITHOUT ADVANCE MAINTENANCE



TYPICAL CROSS SECTION - CONTRACT
WITH ADVANCE MAINTENANCE

NOTE:
1. SIDE SLOPES SHOWN ARE FOR CONTRACTUAL PAYMENT PURPOSES.

GRAPHIC SCALES

HORIZONTAL 200' 0 200'

VERTICAL 20' 0 20'

US Army Corps of Engineers
Jacksonville District

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

Scale:
Plot date:
Plot scale:

Designed by: SRC
Dwn by: SRC
Ckd by: LJP
Dated: APRIL 2015

File name:
Reference files:

JACKSONVILLE HARBOR NAVIGATION PROJECT IMPROVEMENTS
DUVAL COUNTY, FLORIDA
TYPICAL CROSS SECTIONS
47' PROJECT
WQC PERMIT PLATE - NOT FOR CONSTRUCTION

PLATE
36