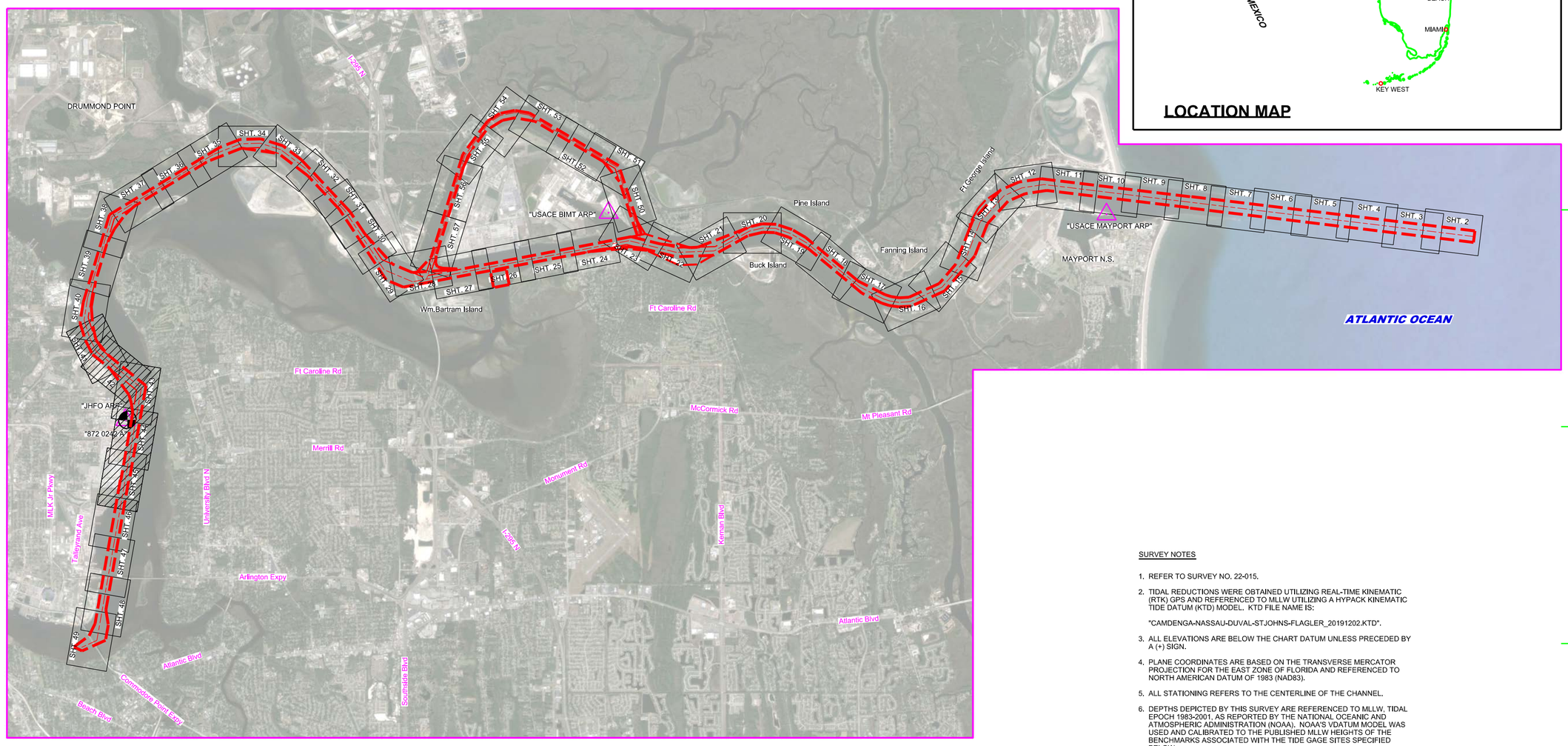
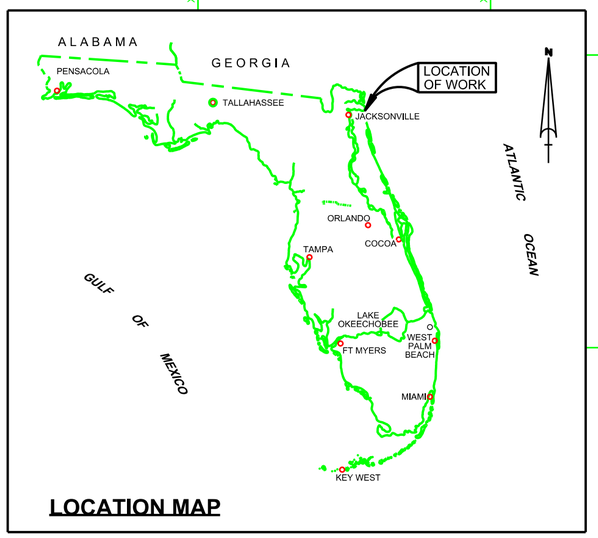
# JACKSONVILLE HARBOR, FLORIDA

# TALLEYRAND EMERGENCY SURVEY FY22




**LOCATION MAP**

SURVEY NOTES

1. REFER TO SURVEY NO. 22-015.
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_20191202.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 STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. 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 872-0215, NAVY FUEL DEPOT
   NOAA TIDAL STATION 872-0242, LONG BRANCH
7. VERTICAL MEASUREMENTS WERE MADE USING A RESON T250P MULTI-BEAM SYSTEM AND AN ECHOTRAC E20 (28/200 KHZ). ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200/240 KHZ) EXCEPT FOR STATIONS 0+00 TO 70+00 OF THE TERMINAL CHANNEL WHICH ARE SHOWN IN LOW FREQUENCY (28 KHZ).

| VESSEL | DATE OF SURVEY | CUT |
|---|---|---|
| SB-36 | 21 OCT 2021 | UTC STA 0+00 - 70+00 |
| SB-36 | 22 OCT 2021 | CUT-55 |

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

   REFERENCE BASE LOCATED AT "USACE JHFO ARP" (OPUS PID: BBGL18)
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.

N

GRAPHIC SCALE

3000' 0 3000' 6000'

| AUTHORIZED PROJECT DEPTH | |
|---|---|
| 42 FT | CUT - 3 (BAR CUT), STA. 0+00 THRU STA. 210+00 |
| 40 FT | CUT - 3 (BAR CUT) STA. 210+00 THRU TERMINAL CHANNEL STA. 65+00. |
| 34 FT | TERMINAL CHANNEL, STA. 65+00 THRU STA. 186+21 (APPROX. 1200 FEET UPSTREAM FROM THE HART BRIDGE NEAR COMMODORE POINT). |
| 30 FT | CUT-A, STA. 0+00 THRU 53+10.21 |
| 38 FT | OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 10+00 - NEAR WOODEN FISHING BRIDGE PIER THRU INTERSECTION OF CUT - 42 (DAMES PT. - FULTON CUT - OFF |

| LEGEND | |
|---|---|
| △ | MONUMENT |
| | LIGHTED BEACON |
| ■ | GREEN DAYBEACON |
| ▲ | RED DAYBEACON |
| | RED LIGHTED BUOY |
| | GREEN LIGHTED BUOY |
| C | CAN BUOY |
| N | NUN BUOY |
| | TIDE STAFF |
| 8 | PROJECT DEPTH |

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SAFETY ON THIS JOB DEPENDS ON YOU

| No. | Symbol | Zone |
|---|---|---|

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

Designed by: VIRM
DWN by: VIRM
CHK by: CMR
Rev. No.
Date: OCT 2021

J:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
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22-015-PES-BNDR.DGN
Reference files:

22-015-VH-001.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

**TALLEYRAND EMERGENCY SURVEY FY22**
**34 & 40-FOOT PROJECT**

INDEX, LOCATION AND VICINITY

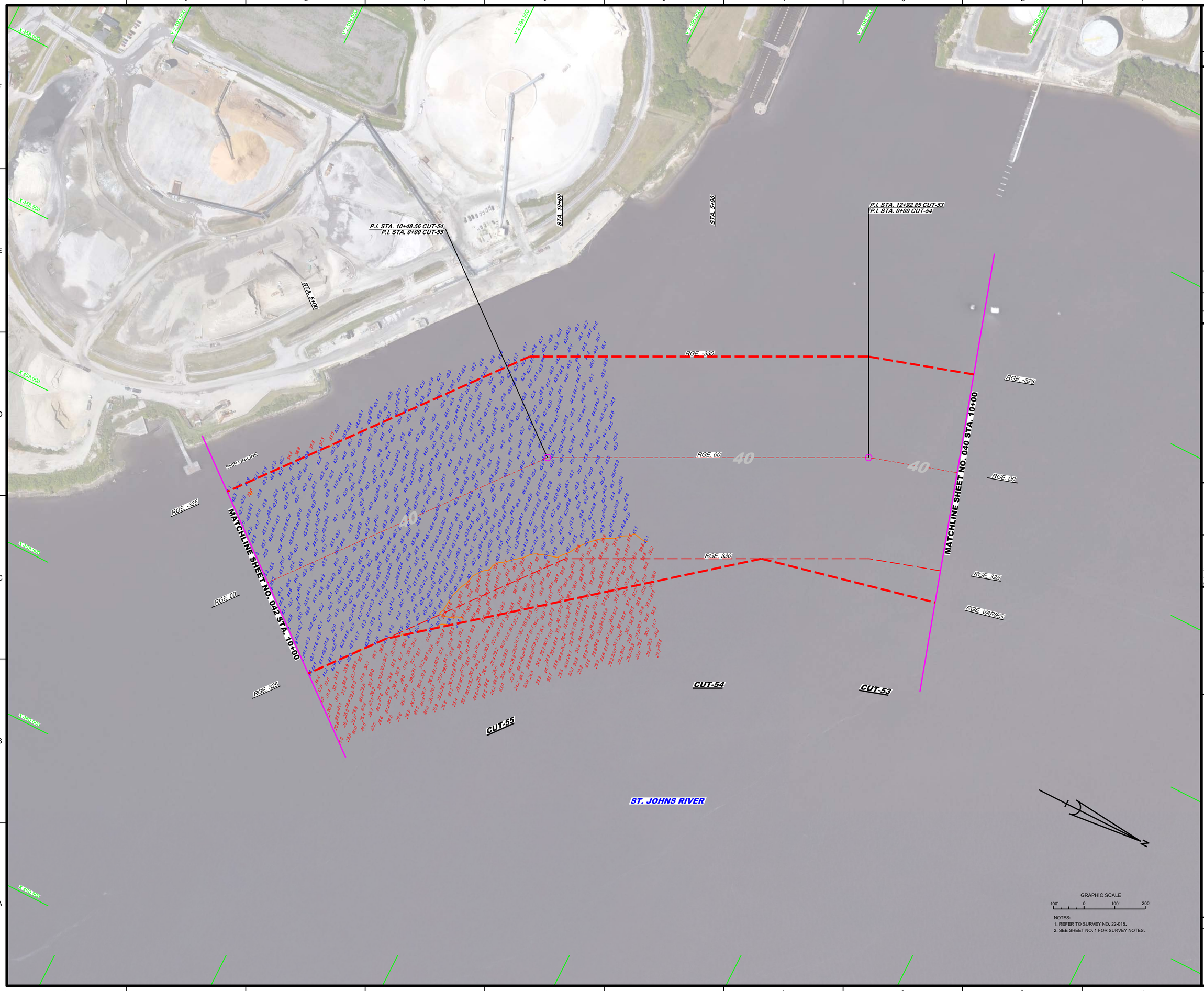
**MAP**

Scale: AS SHOWN

Drawing no.

**1 / 6**

SHEET 01 OF 57




NOTES:
1. REFER TO SURVEY NO. 22-015.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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Ckd by: CMR
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XXXXXXXXXXXXXXXXX.DGN
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Reference files:
22-015-VI-041.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

# TALLEYRAND EMERGENCY SURVEY FY22
# 34 & 40-FOOT PROJECT

STA. 10+00 CUT-53 THRU STA. 10+00 CUT-55

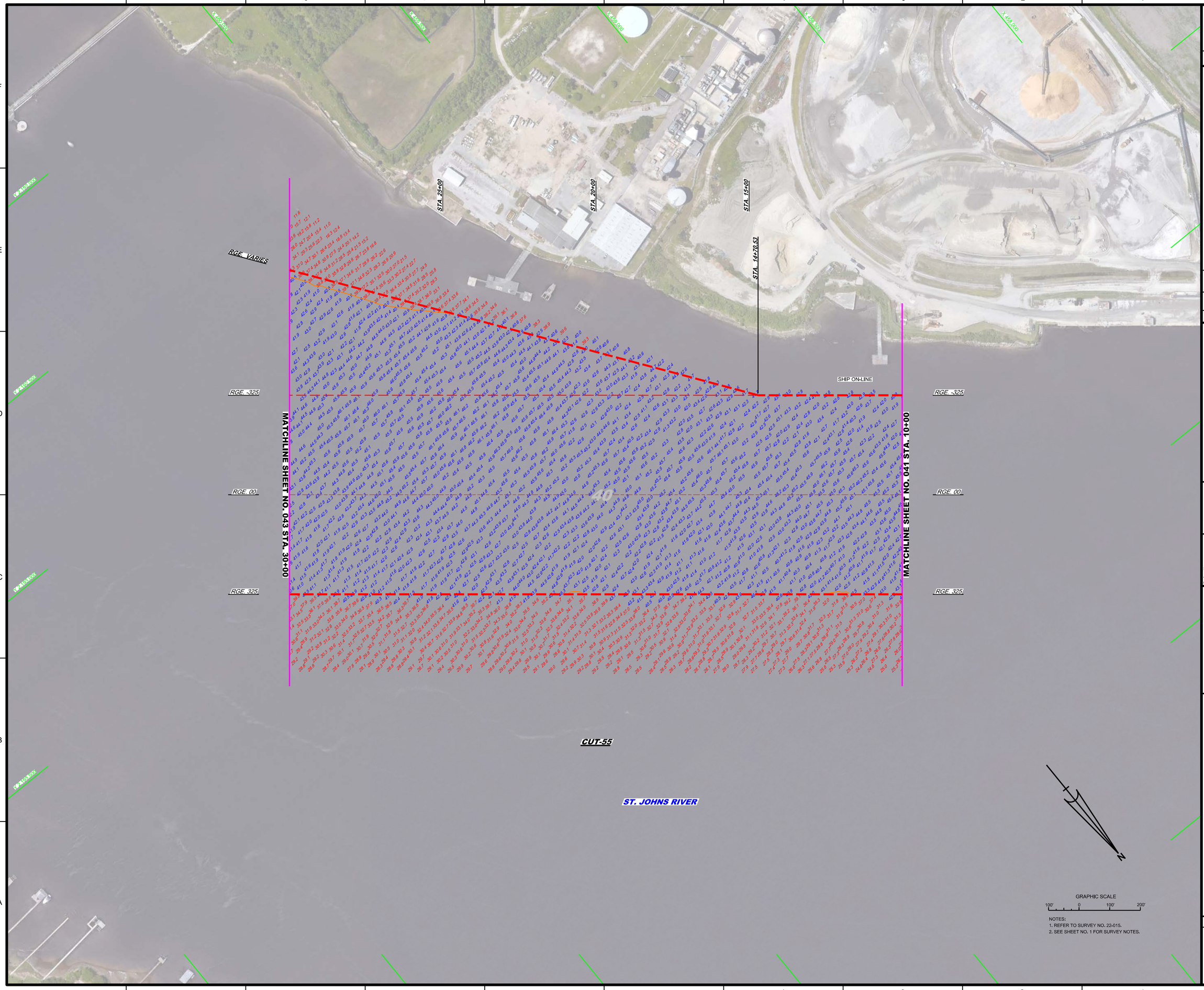
## PLAN

Scale: AS SHOWN

Drawing no.

2 / 6

SHEET 41 OF 57




NOTES:
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XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
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22-015-C-BS-BRGR.DGN
Reference files:
22-015-VH-H22.DGN
File name:

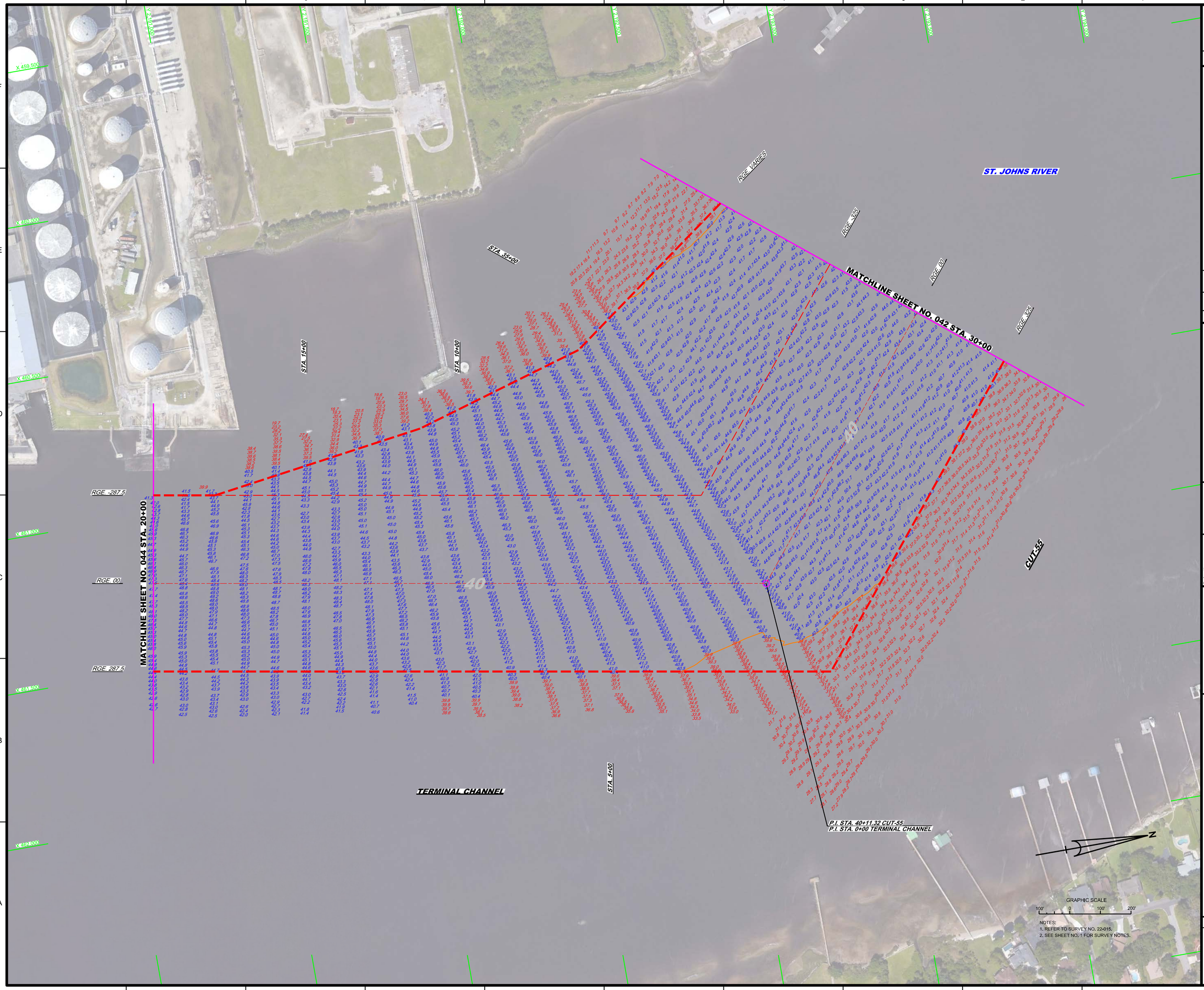
JACKSONVILLE HARBOR, FLORIDA

**TALLEYRAND EMERGENCY SURVEY FY22**
**34 & 40-FOOT PROJECT**
STA. 10+00 THRU STA. 30+00 CUT-55
**PLAN**

Scale: AS SHOWN

Drawing no.
**3 / 6**

SHEET 42 OF 57

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1. REFER TO SURVEY NO. 22-015.
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Date: OCT 2021

XXXXXXXXX-XXXXXXX.DGN
22-015-V-CON40.DGN
22-015-V-SOUND_CUT.DGN
22-015-V-SOUN_UTC_LF-SB.DGN
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Reference files:
22-015-V-H043.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

# TALLEYRAND EMERGENCY SURVEY FY22
# 34 & 40-FOOT PROJECT

STA. 30+00 CUT-55 THRU STA. 20+00 TERMINAL CHANNEL

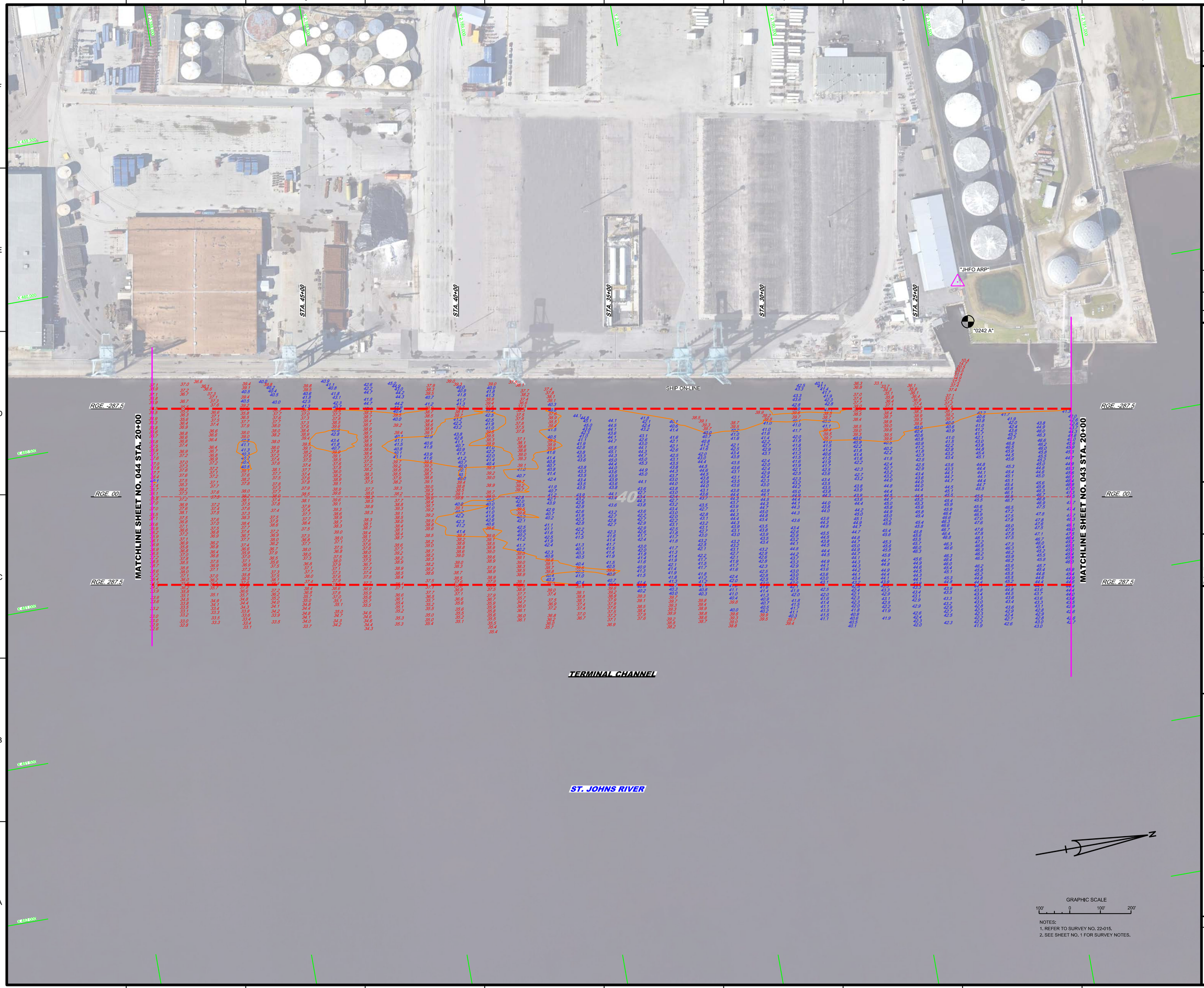
## PLAN

Scale: AS SHOWN

Drawing no.

4 / 6

SHEET 43 OF 57




NOTES:
1. REFER TO SURVEY NO. 22-015.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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| No. | Symbol | Zone |
|---|---|---|

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Chkd by: GMR
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Date: OCT 2021

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-015-SOUN_UTC_LF-SB.DGN
22-015A-SOUN_UTC_LF-SB.DGN
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22-015-c-BS-BRGR.DGN
Reference files:
22-015-VRcl44.DGN
File name:

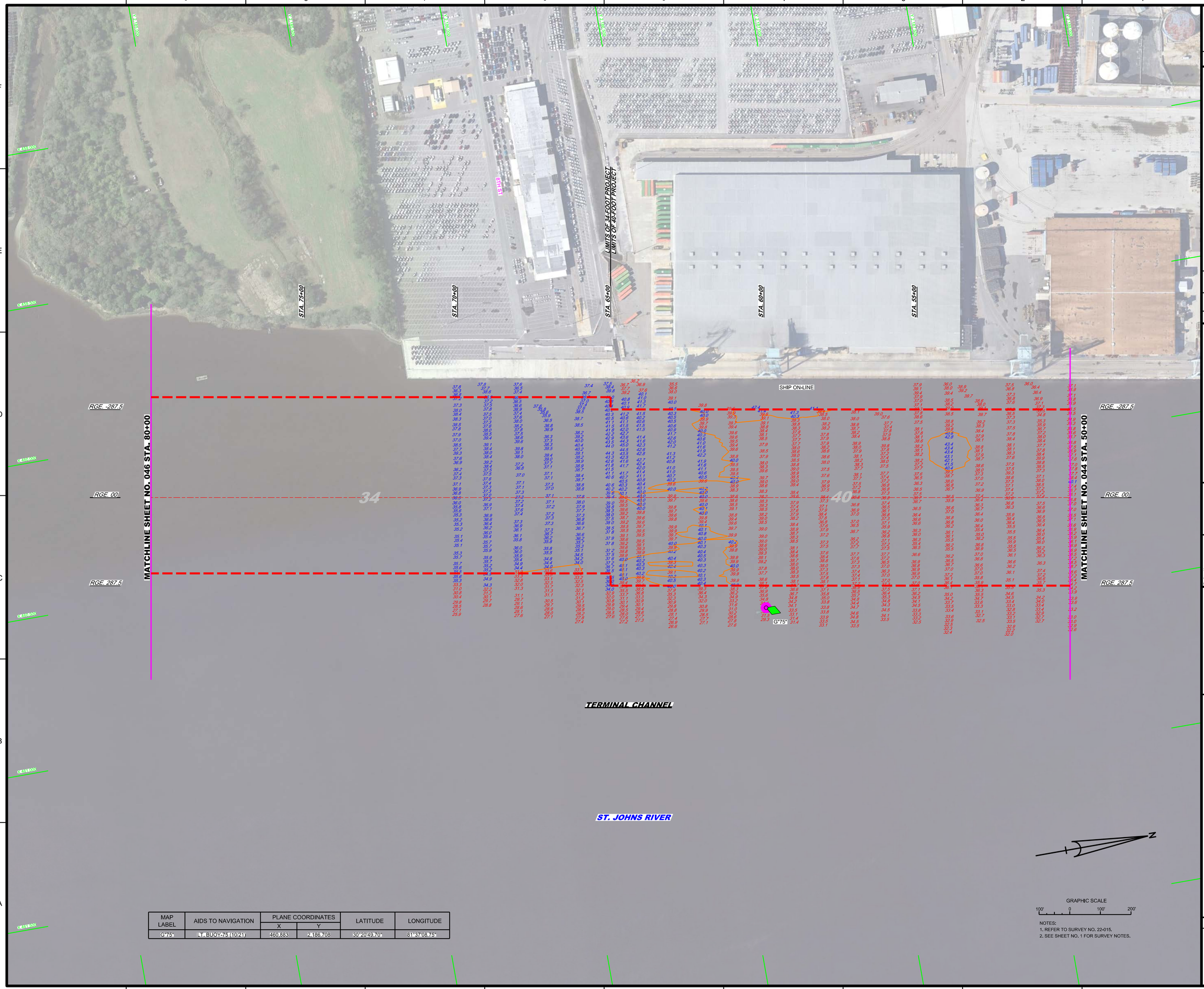
JACKSONVILLE HARBOR, FLORIDA

# TALLEYRAND EMERGENCY SURVEY FY22
## 34 & 40-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 TERMINAL CHANNEL
## PLAN

Scale: AS SHOWN

Drawing no.
5 / 6

SHEET 44 OF 57




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"75" | LT. BUOY-75 (10/21) | 460,883 | 2,188,708 | 30°20'49.70" | 81°37'08.75" |

GRAPHIC SCALE

100' 0 100' 200'

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Date: OCT 2021

22-015-V-NAV.DGN
22-015-V-CON34.DGN
22-015-V-CON40.DGN
22-015-V-SOUN_UTC_LF-SB.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
22-015-C-ES-BRDR.DGN
Reference files:

22-015-VHD45.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

# TALLEYRAND EMERGENCY SURVEY FY22
# 34 & 40-FOOT PROJECT

STA. 50+00 THRU STA. 80+00 TERMINAL CHANNEL

## PLAN

Scale: AS SHOWN

Drawing no.

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SHEET 45 OF 57