LOCATION MAP

TAMPA HARBOR
MULLET KEY CHANNEL, CUTS A & B (TB)
(ZONE 2)
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA
EXAMINATION SURVEY FY15
43-FOOT PROJECT

SURVEY ZONE	CUTS
2	MULLET KEY CHANNEL, CUT-A (TB), CUT-B)TB)
3	CUT-C (TB), CUT-D (TB), CUT-E (TB)
4	CUT-F, CUT-G, GADSDEN POINT CUT
5	CUT-J, CUT-J2, CUT-K
6	CUT-A (HB), CUT-C (HB), CUT-D (HB)

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

SURVEY NOTES

1. REFER TO SURVEY NO. 14-170.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MLLW TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "SPC-FL-WEST-2010-12-07.KTD."
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "TH-89 USE" (PID: AG0988)

   REFERENCE BASE LOCATED AT "6384 K NOS" (OPUS PID: BBBT27)

   TIDESTAFF LOCATED FROM "6367 C" (PID: AG7401)

   TIDESTAFF LOCATED FROM "6384 K NOS" (OPUS PID: BBBT27)
9. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAN TRANSDUCER OPERATING AT 240 KHZ AND AN EDGETECH 6205 OPERATING AT 550/900 KHZ. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-44	09 FEB 2015	CUTS A & B (TB)
SV JACKSONVILLE	11 FEB 2015	CUTS A & B (TB)
SV JACKSONVILLE	12, 26 FEB 2015	CUT-B (TB)
SV JACKSONVILLE	27 FEB 2015	CUTS A & B (TB)
SV JACKSONVILLE	02 MAR 2015	MULLET KEY CUT
SV JACKSONVILLE	04 MAR 2015	CUT-B (TB)

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. 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 AND IS NOT TO BE USED FOR NAVIGATION.
12. 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.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. | Symbol | Zone

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

Designed by: VRM
Drawn by: VRM
Cad by: GB
Trn. No.
Date: DD MMM YYYY

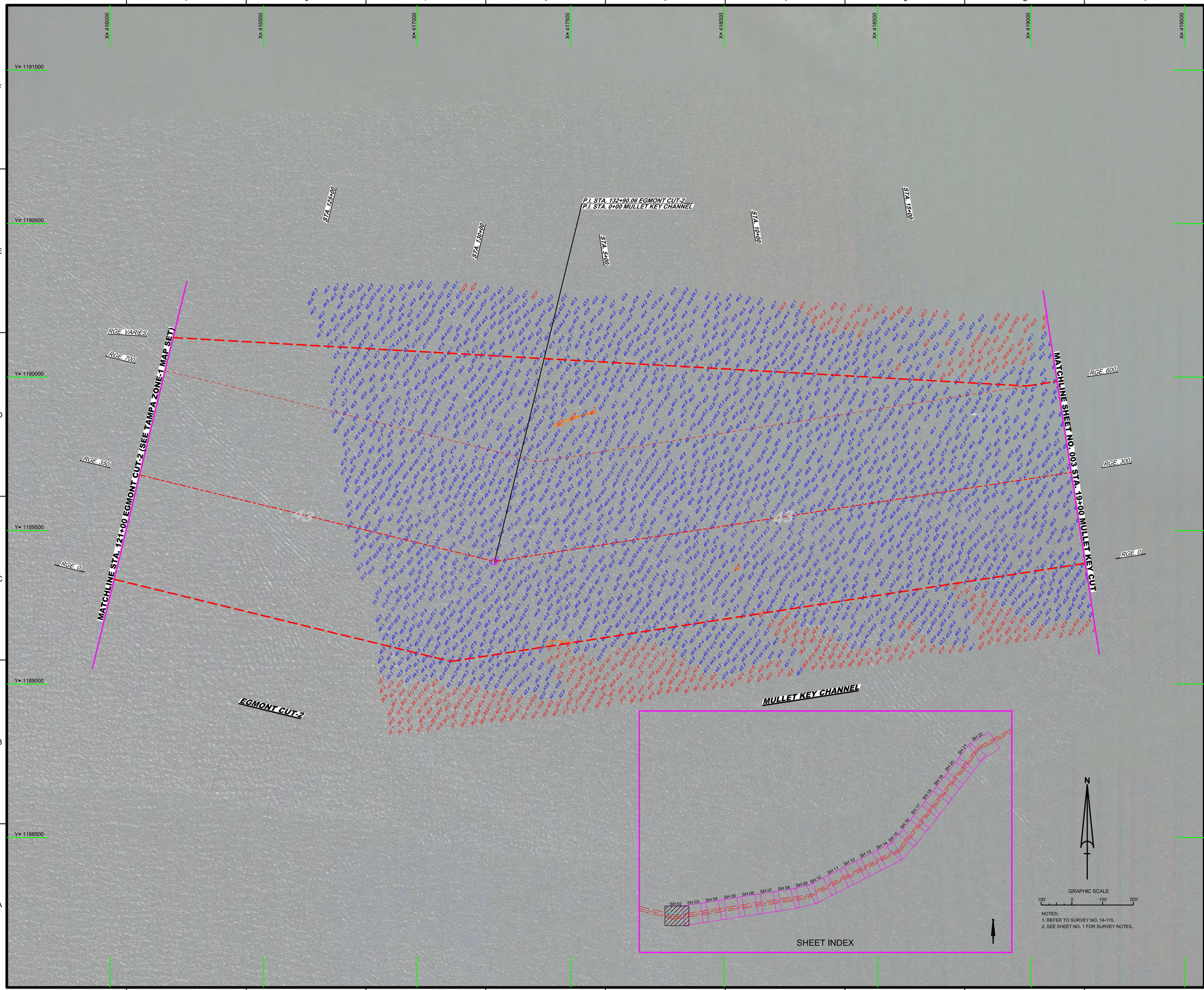
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
14-170A-INDX_ZONE2.DGN
TAMPA HARBOR-C-SPMCCP.DGN
Reference files
14-170-HH01_Z2.DGN
Parameters

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone

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

Designed by: WRM
Ckd by: GR
DWN by: WRM
Inv. No.
Dated: DD MMM YYYY

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
14-170-V-CON43.DGN
14-170-V-SOUN_MKC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
14-170-C-BS-BRDR.DGN
File name: 14-170-VH-002_22.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT

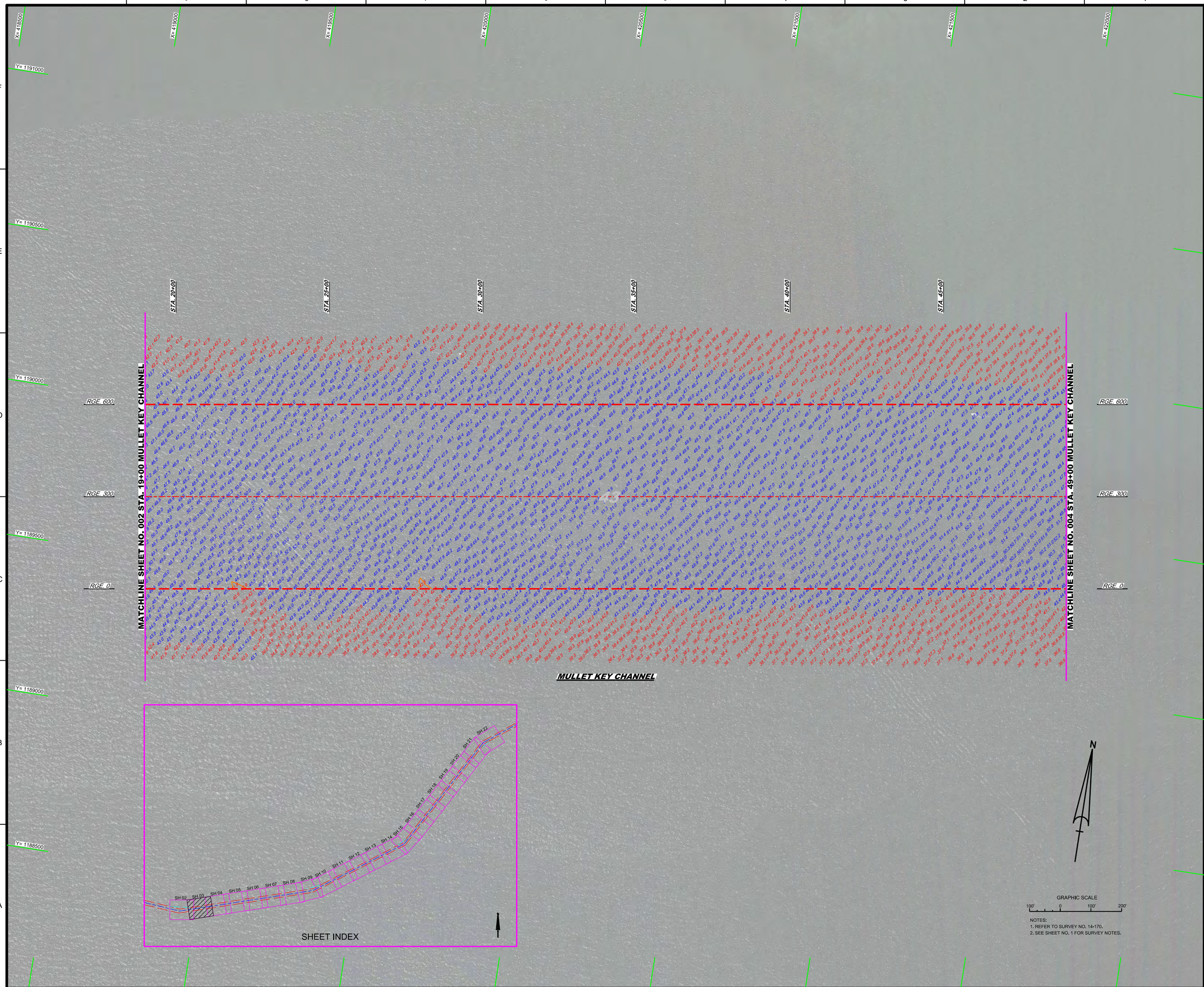
STA. 121+00 EGMONT CUT-2 THRU STA. 19+00 MULLET KEY CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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

Designed by: VIRM
DWN by: VIRM
Chkd by: GR
Rev. No.
Date: DD MMM YYYY

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14-170-SOUN_MKC.DGN
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Reference files:
14-170-VH305_Z2.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT

STA. 19+00 THRU STA. 49+00 MULLET KEY CHANNEL

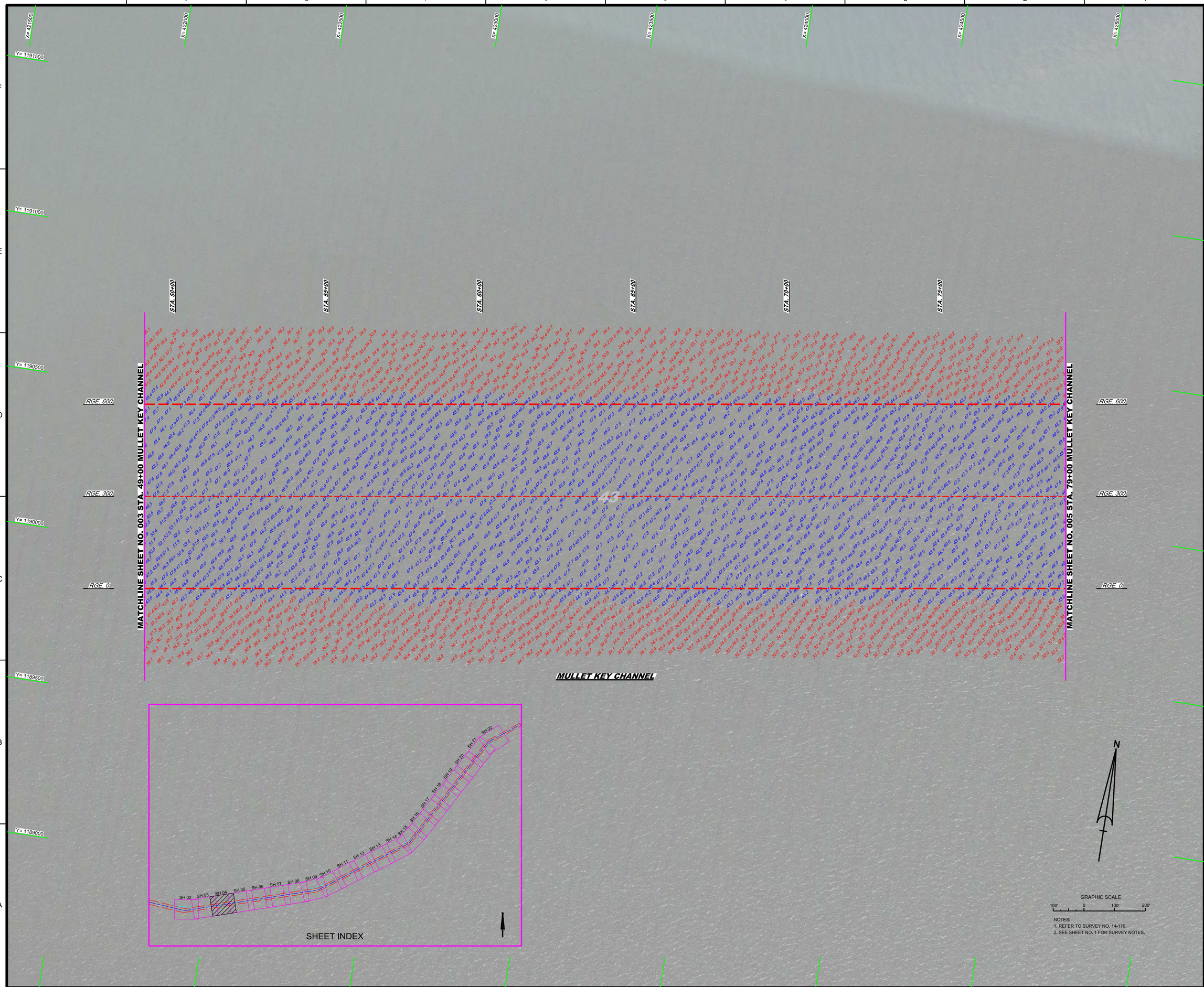
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
CHK by: GR
Rev. No.
Date: DD MMM YYYY

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Reference files:
14-170-VHD04_22.DGN
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TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT

STA. 49+00 THRU STA. 79+00 MULLET KEY CHANNEL

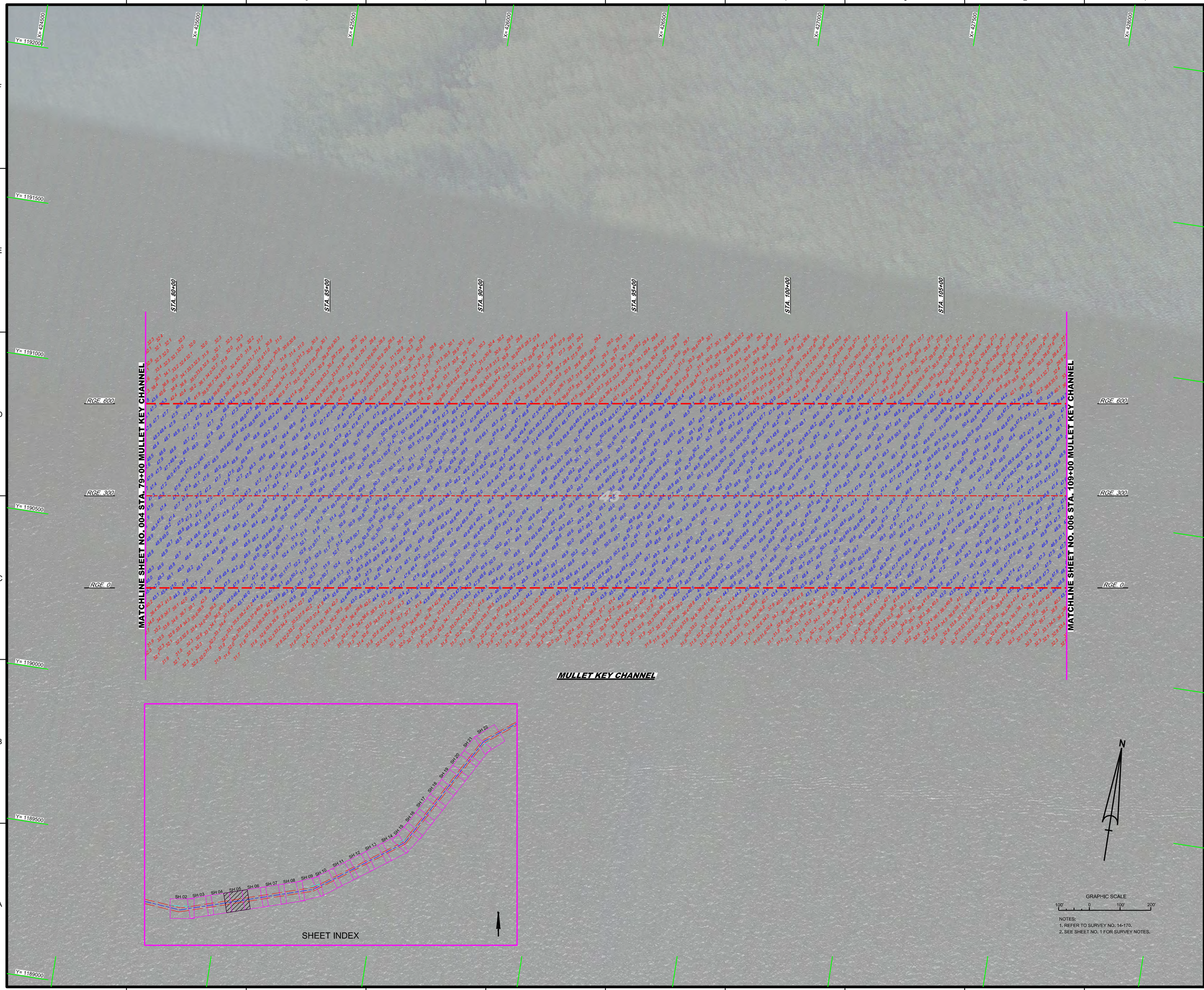
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

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

Designed by: WRM
Dwn by: WRM
Ckd by: GR
Inv. No.
Dated: DD MMM YYYY

Reference files:
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XXXXXXXX-X-XXXXXX.DGN
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XXXXXXXX-X-XXXXXX.DGN
14-170-V-CON43.DGN
14-170-V-SOUN_MKC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
14-170-C-BS-BRDR.DGN
File name: 14-170-VH-005_22.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

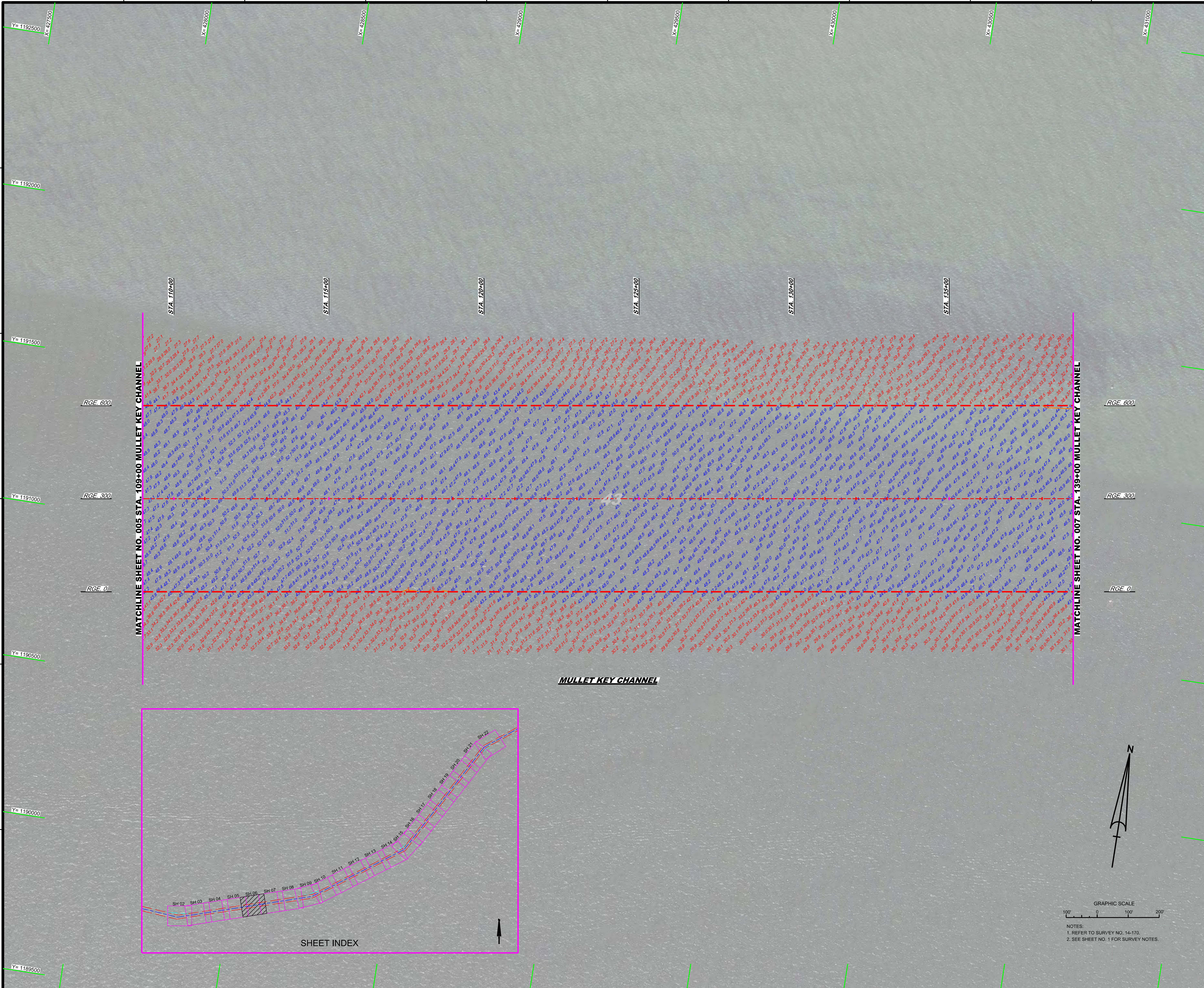
HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT
STA. 79+00 THRU STA. 109+00 MULLET KEY CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
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

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

Designed by: WRM
DWN by: WRM
Ckd by: GR
Inv. No.
Dated: DD MMM YYYY

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
14-170-V-CON43.DGN
14-170-V-SOUN_MKC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
14-170-G-BS-BRDR.DGN

File name: 14-170-VH-006_Z2.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT

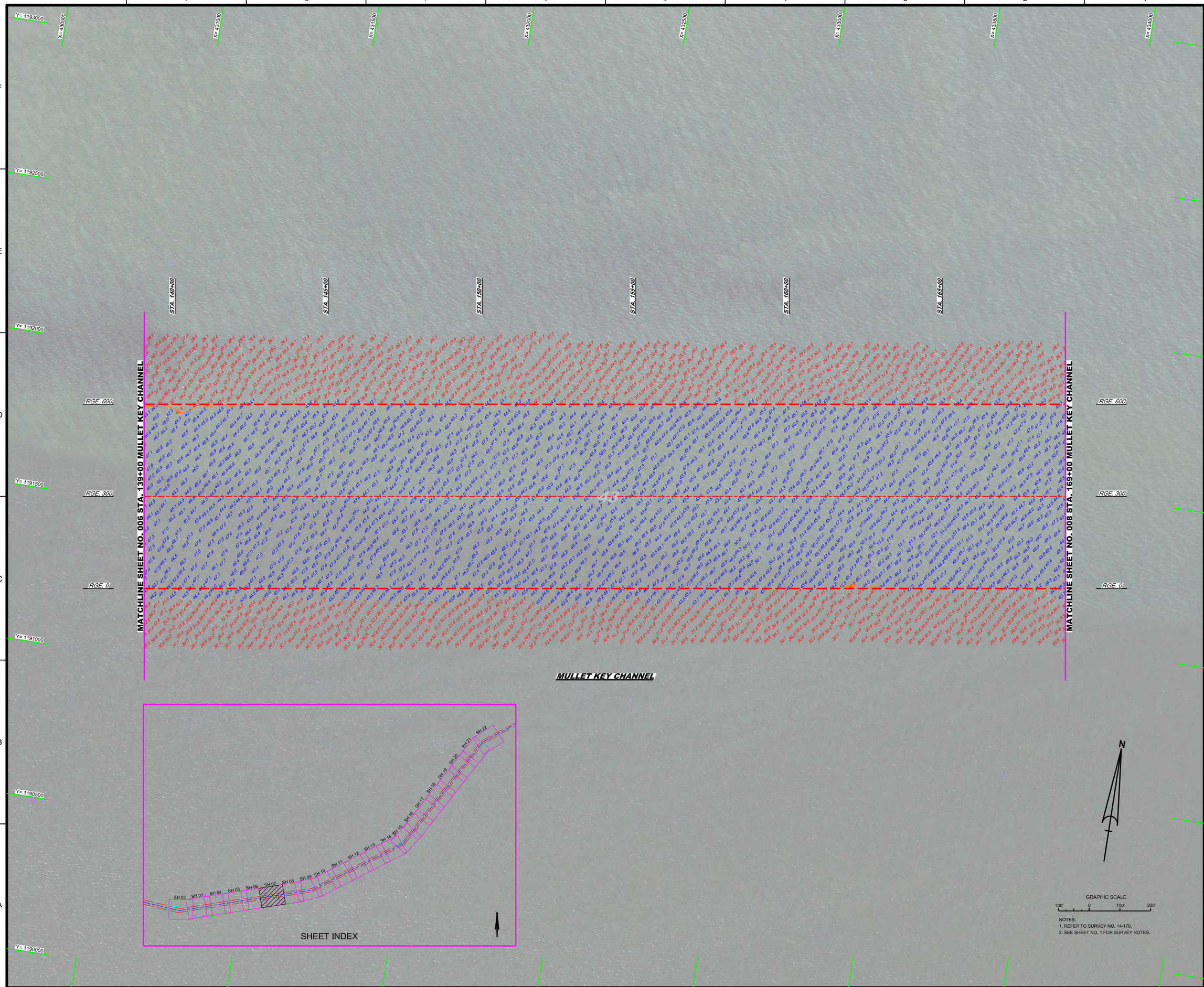
STA. 109+00 THRU STA. 139+00 MULLET KEY CHANNEL

PLAN

Scale: AS SHOWN

Drawing no. 6

SHEET 06 OF 22



NOTES:
1. REFER TO SURVEY NO. 14-170.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Ckd by: GR
Rev. No.
Date: DD MMM YYYY

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
14-170-XXXXXXXXXXXX.DGN
14-170-XSOUN_MKC.DGN
TAMPA HARBOR-C-NGMCF.DGN
14-170-CESHSBORX.DGN
Reference files:
14-170-VH-007_Z2.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY15
43-FOOT PROJECT

STA. 139+00 THRU STA. 169+00 MULLET KEY CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 22