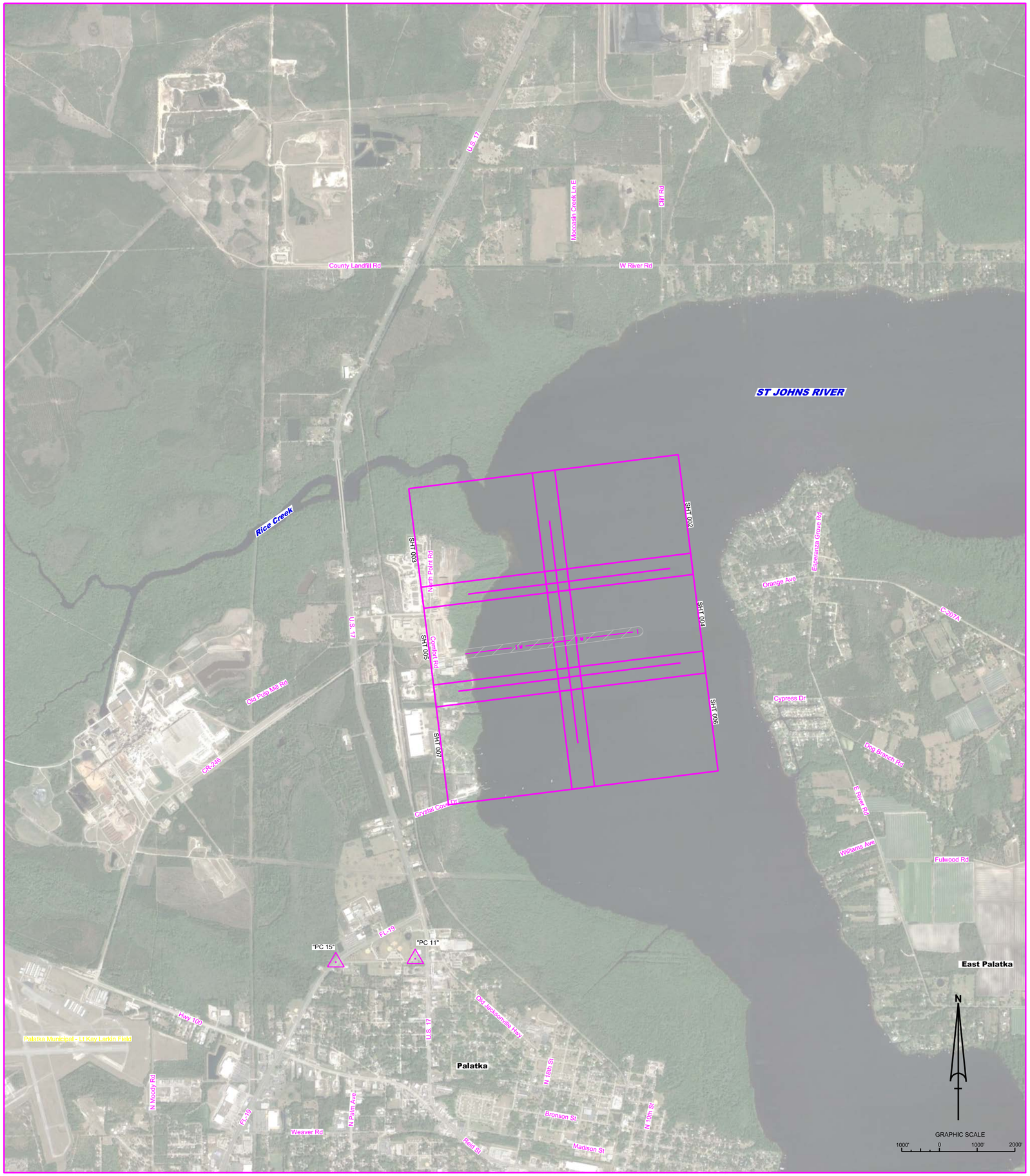
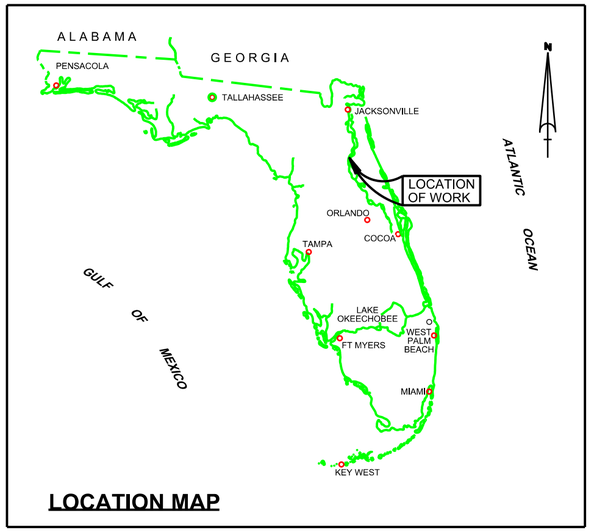




LOCATION MAP

PALATKA BARGE CHANNEL PUTNAM COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY PROPOSED 12-FOOT PROJECT FY22

SURVEY NOTES

1. REFER TO SURVEY NO. 22-042.
2. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
3. 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).
4. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "PC 14" (PID: AA8146)
5. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS PUBLISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL, AND PUBLISHED TIDE STATION DATA, WERE USED TO GENERATE A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. THIS KTD MODEL, BEING A COMBINATION OF THOSE TWO SOURCES, CANNOT BE CONSIDERED EQUIVALENT TO THE VDATUM MODEL BECAUSE OF POSSIBLE ADDITIONS OR EDITS THERETO. DO NOT USE VDATUM IN PLACE OF THE KTD FILE. THE KTD MODEL USED FOR THIS SURVEY IS: "STJOHNSRIVER-20191202.KTD".
6. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW USING THE KTD FILE REFERENCED ABOVE, AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARK ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-0774 FOR ENTIRE PROJECT (PID: AC9050)
7. VERTICAL MEASUREMENTS WERE MADE USING A TELEDYNE E20 TRANSDUCER OPERATING AT 28/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-WELLS	08 MAR, 06 APR 2022	PALATKA BARGE CANAL

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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.
10. 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.

APPRX. LOCATION OF G.P. PIPELINE		
POINT	PLANE COORDINATES	
	X	Y
START (WEST)	448739.933	1946828.016
END (EAST)	453338.2367	1947426.964

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

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: WRM
DWN by: WRM
Ckd by: GMR
Fin. No.: V6123EP-XX-XX-XXXX
Date: APR 2022

XXXXXXXXX-XX-XXXXX.DGN
XXXXXXXXX-XX-XXXXX.DGN
XXXXXXXXX-XX-XXXXX.DGN
XXXXXXXXX-XX-XXXXX.DGN
22-042-XX-PIPELINE.DGN
22-042-XX-INDEX.DGN
22-042-XX-SB-BRGRX.DGN
Reference files:

22-042-XX-H001.DGN
File name:

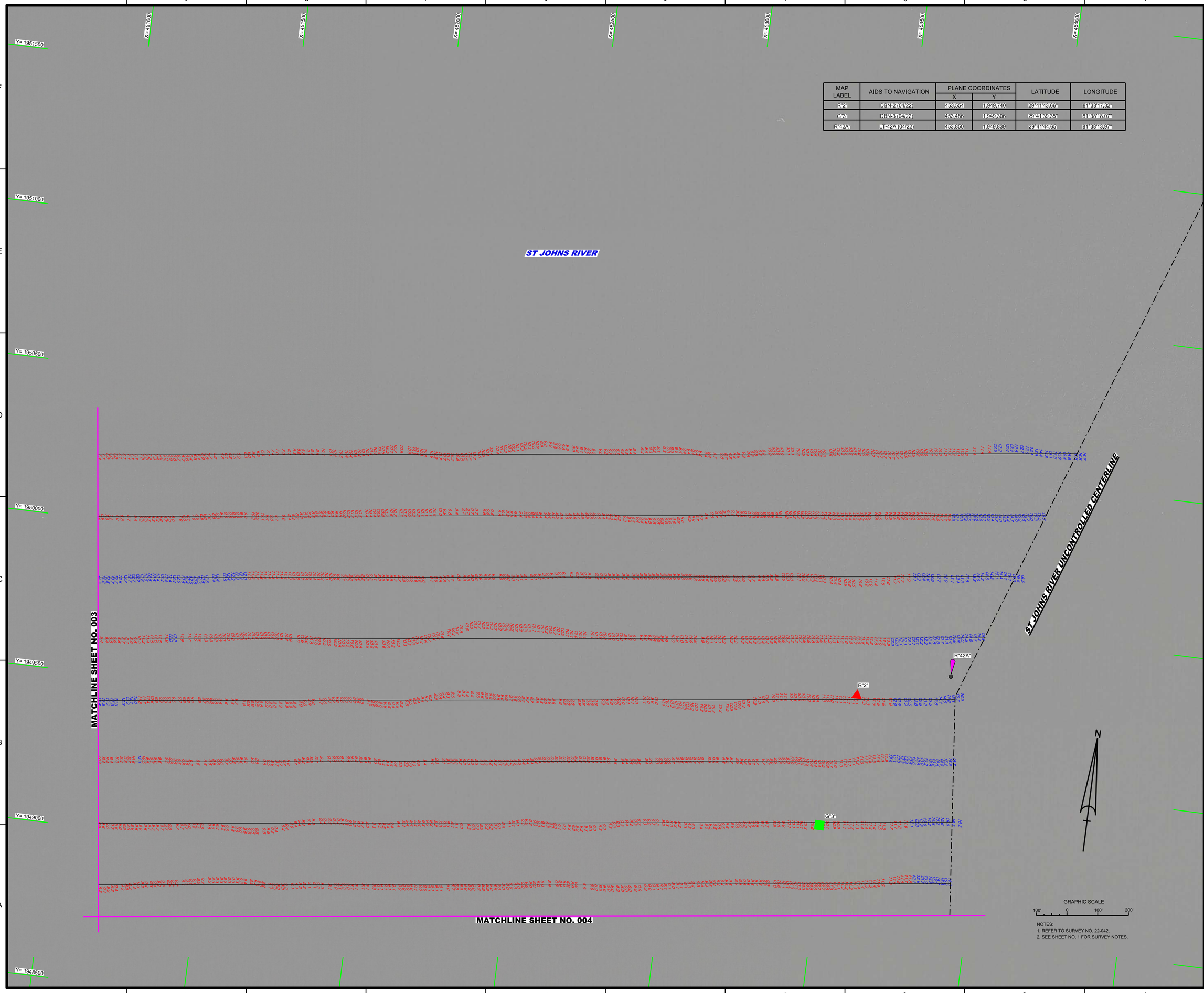
ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	DBN-2 (04/22)	453,554	1,949,740	29°41'43.66"	81°38'17.32"
G"3"	DBN-3 (04/22)	453,486	1,949,306	29°41'39.35"	81°38'18.07"
R"42A"	LT-42A (04/22)	453,850	1,949,839	29°41'44.65"	81°38'13.97"



NOTES:
1. REFER TO SURVEY NO. 22-042.
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
Chkd by: CMR
Rev. No. V01E2EP-XX-X-XXXX
Date: APR 2022

XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
22-042-N-SOUN.DGN
ST. JOHNS RIVER AT PALATKA SOW.DGN
22-042-PS5.BRDR.DGN
Reference files:
22-042-VH-002.DGN
File name:

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT

ST JOHNS RIVER

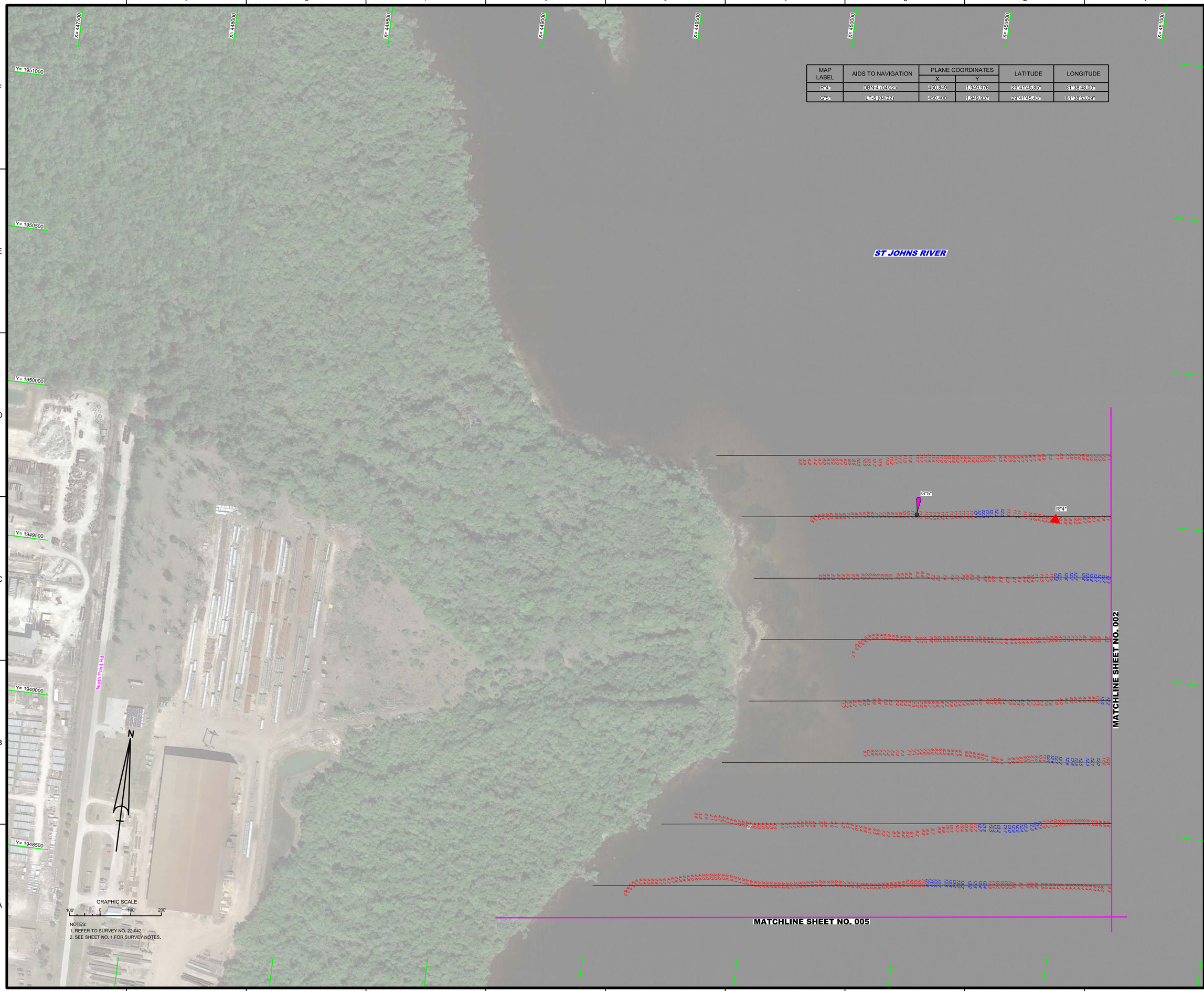
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 07



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	DBN-4 (04/22)	450,849	1,949,976	29°41'45.85"	81°38'48.00"
G"5"	LT-5 (04/22)	450,400	1,949,937	29°41'45.43"	81°38'53.09"

NOTES:
1. REFER TO SURVEY NO. 22-042.
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: WRM
DWN by: WRM
Ckd by: GMR
Proj. No.: W912EP-XX-XX-XXX
Date: APR 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-042-XX-XX-XX.DGN
22-042-XX-SOUN.DGN
ST JOHNS RIVER AT PALATKA SOW.DGN
22-042-XX-BS-BROR.DGN
Reference files:
22-042-XX-H03.DGN
File name:

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT

ST JOHNS RIVER

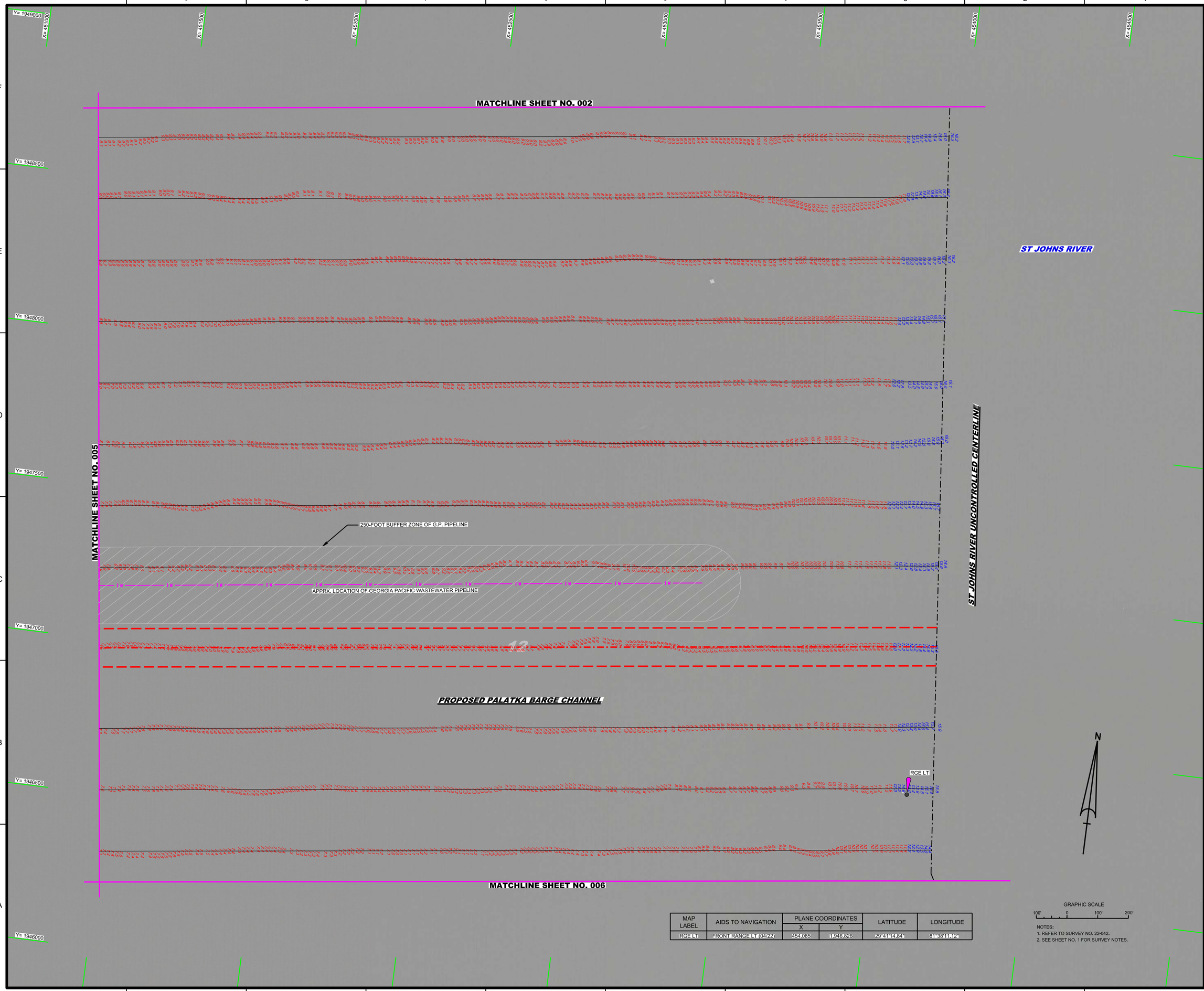
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 07



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
RGE LT	FRONT RANGE LT (04/22)	454,085	1,946,826	29°41'14.84"	81°38'11.12"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-042.
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'd by: CMR
Rev. No. W912EP-XX-X-XXXX
Date: APR 2022

Reference files:
XXXXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
22-042-X-MAV.DGN
22-042-X-TOPO.DGN
22-042-X-PIPELINE.DGN
ST. JOHNS RIVER AT PALATKA SOW.DGN
22-042-X-SS.BRDR.DGN
File name: 22-042-VH-004.DGN

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT

ST JOHNS RIVER / PROPOSED PALATKA BARGE CHANNEL

PLAN

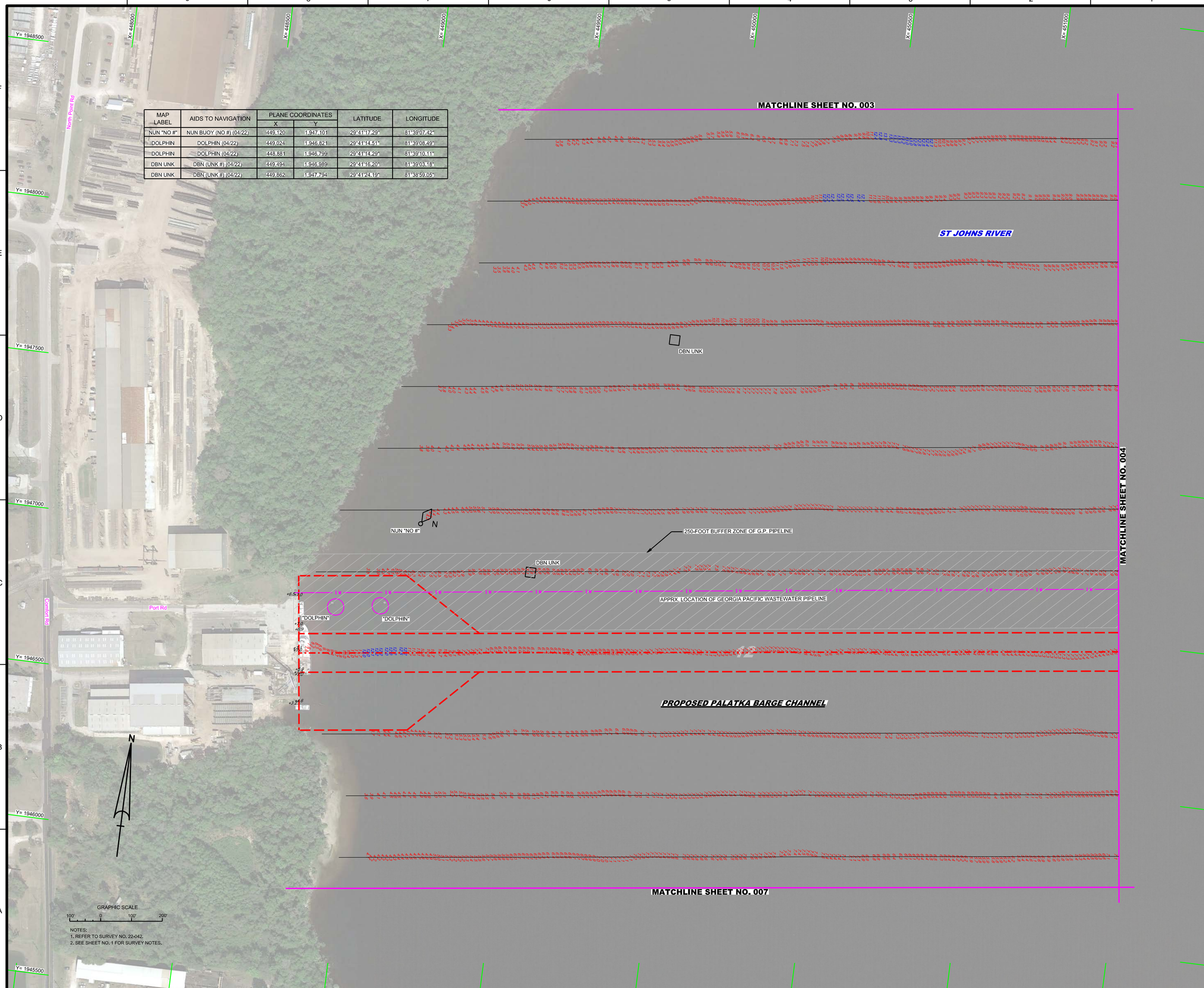
Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
NUN "NO #"	NUN BUOY (NO #) (04/22)	449,120	1,947,101	29°41'17.29"	81°39'07.42"
DOLPHIN	DOLPHIN (04/22)	449,024	1,946,821	29°41'14.51"	81°39'08.49"
DOLPHIN	DOLPHIN (04/22)	448,881	1,946,799	29°41'14.29"	81°39'10.11"
DBN UNK	DBN (UNK #) (04/22)	449,494	1,946,989	29°41'16.20"	81°39'03.18"
DBN UNK	DBN (UNK #) (04/22)	449,862	1,947,794	29°41'24.19"	81°38'59.05"



NOTES:
1. REFER TO SURVEY NO. 22-042.
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
Chd by: CMR
Rev. No. W912EP-XX-X-XXXX
Date: APR 2022

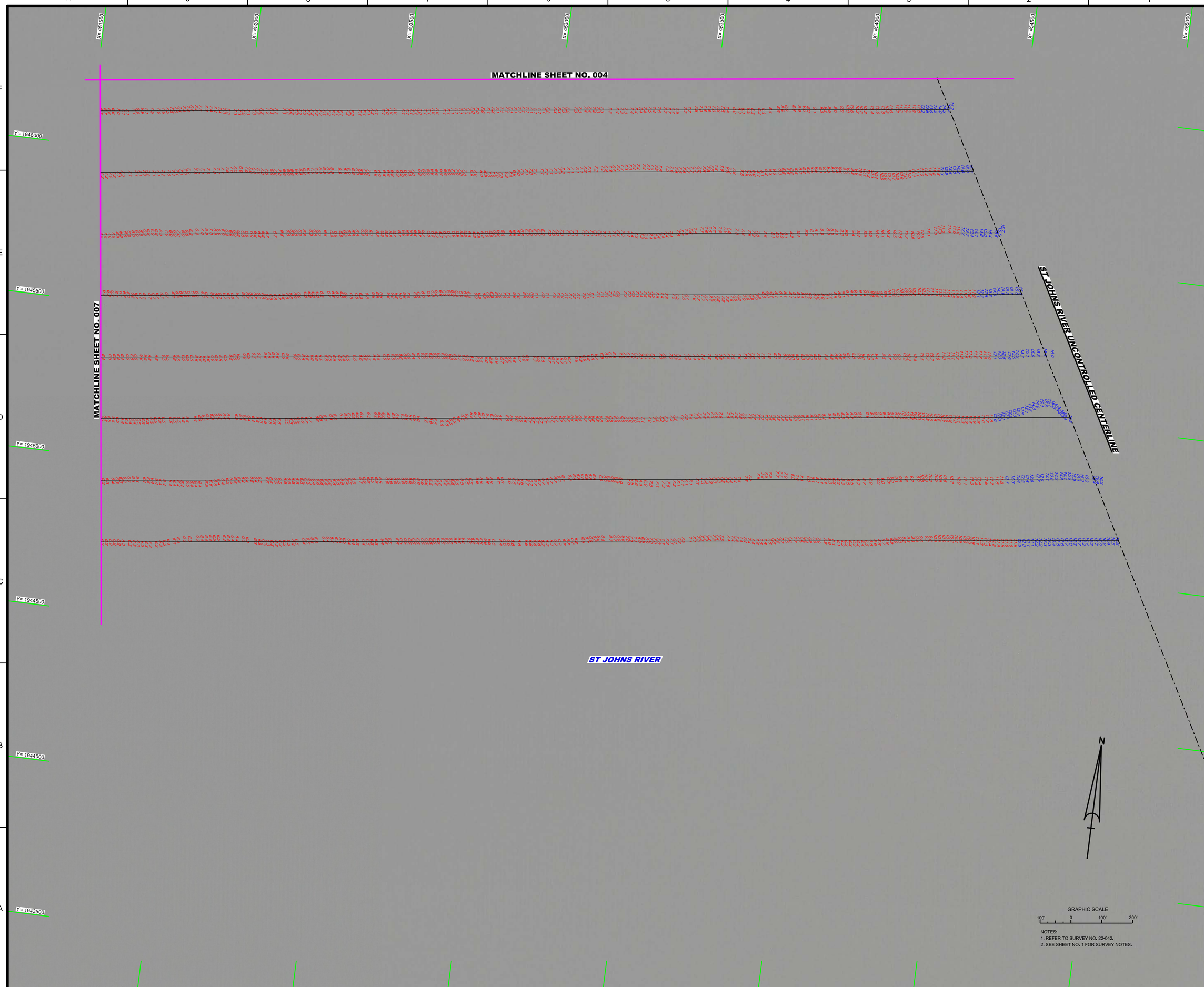
LYXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-042-NAV.DGN
22-042-SOUN.DGN
22-042-TOPO.DGN
22-042-PIPELINE.DGN
ST. JOHNS RIVER AT PALATKA SOW.DGN
22-042-SHS.BRDR.DGN
Reference files:
22-042-VHD05.DGN
File name:

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT
PROPOSED PALATKA BARGE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 07



NOTES:
1. REFER TO SURVEY NO. 22-042.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date

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

Designed by: WBM
Drawn by: WBM
Cad by: GMR
Inv. No. W912EP-XX-X-XXXX
Date: APR 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-042-X-SDLIN.DGN
ST JOHNS RIVER AT PALATKA SOW.DGN
22-042-X-BS.BRDR.DGN
Reference files:
22-042-X1H-005.DGN
File name:

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT

ST JOHNS RIVER

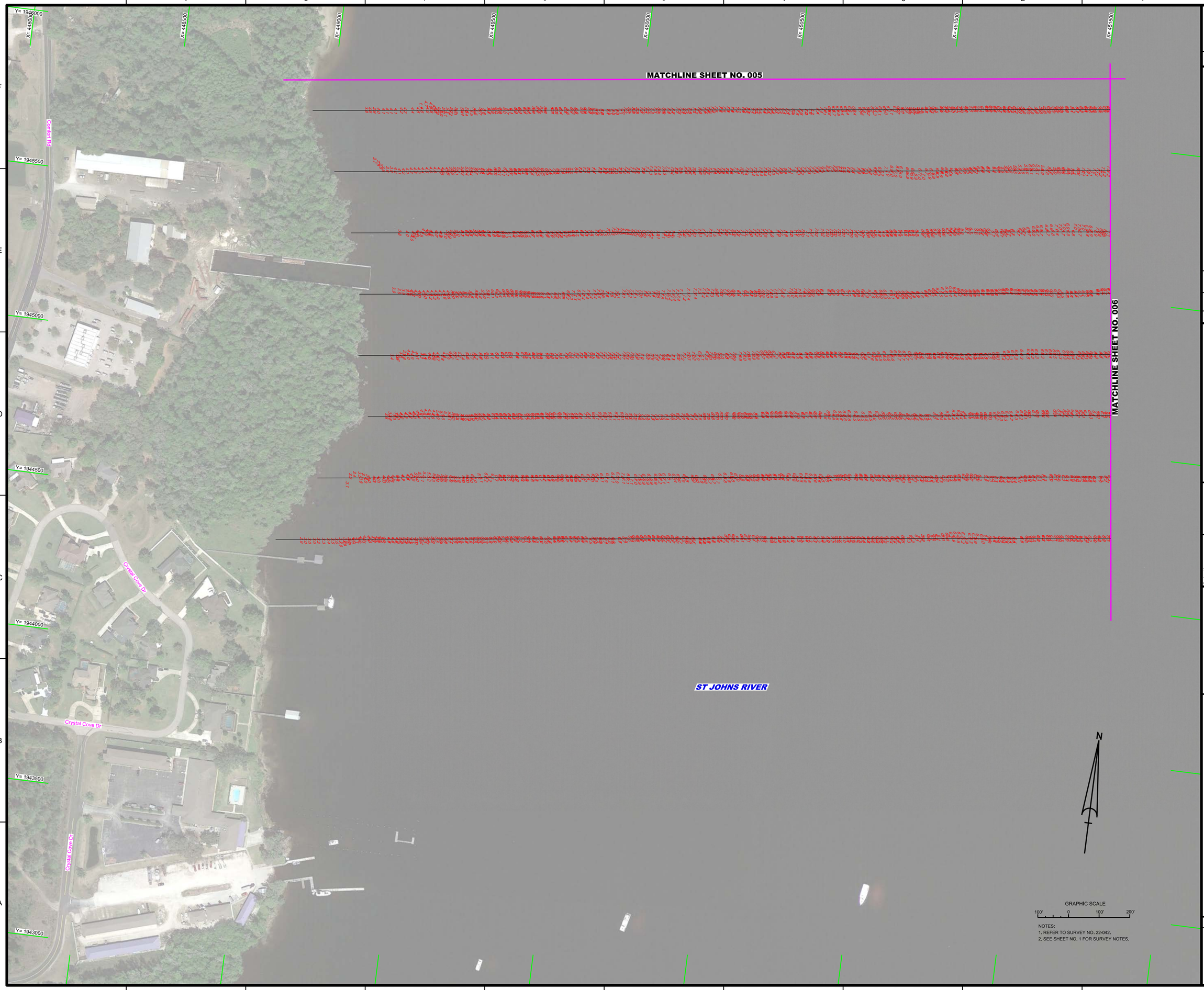
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 07



NOTES:
1. REFER TO SURVEY NO. 22-042.
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: MRM
DWN by: MRM
Chk by: GMR
Proj. No. V0312EP-XX-XX-XXX
Date: APR 2022

XXXXXXXXXX-XXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
22-042A-SQUIN.DGN
ST JOHNS RIVER AT PALATKA SOW.DGN
22-042C-BS-BROR.DGN
Reference files:
22-042-VHD07.DGN
File name:

ST. JOHNS RIVER
PUTNAM COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY22
PROPOSED 12-FOOT PROJECT

ST JOHNS RIVER

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 07