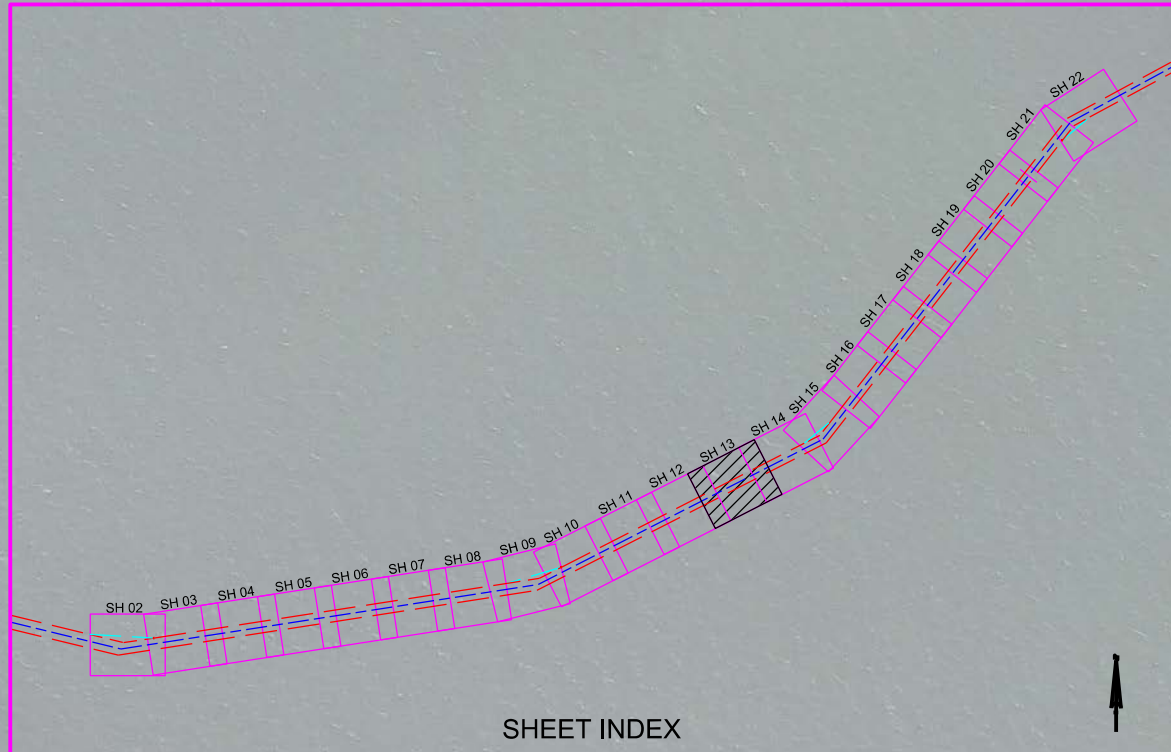
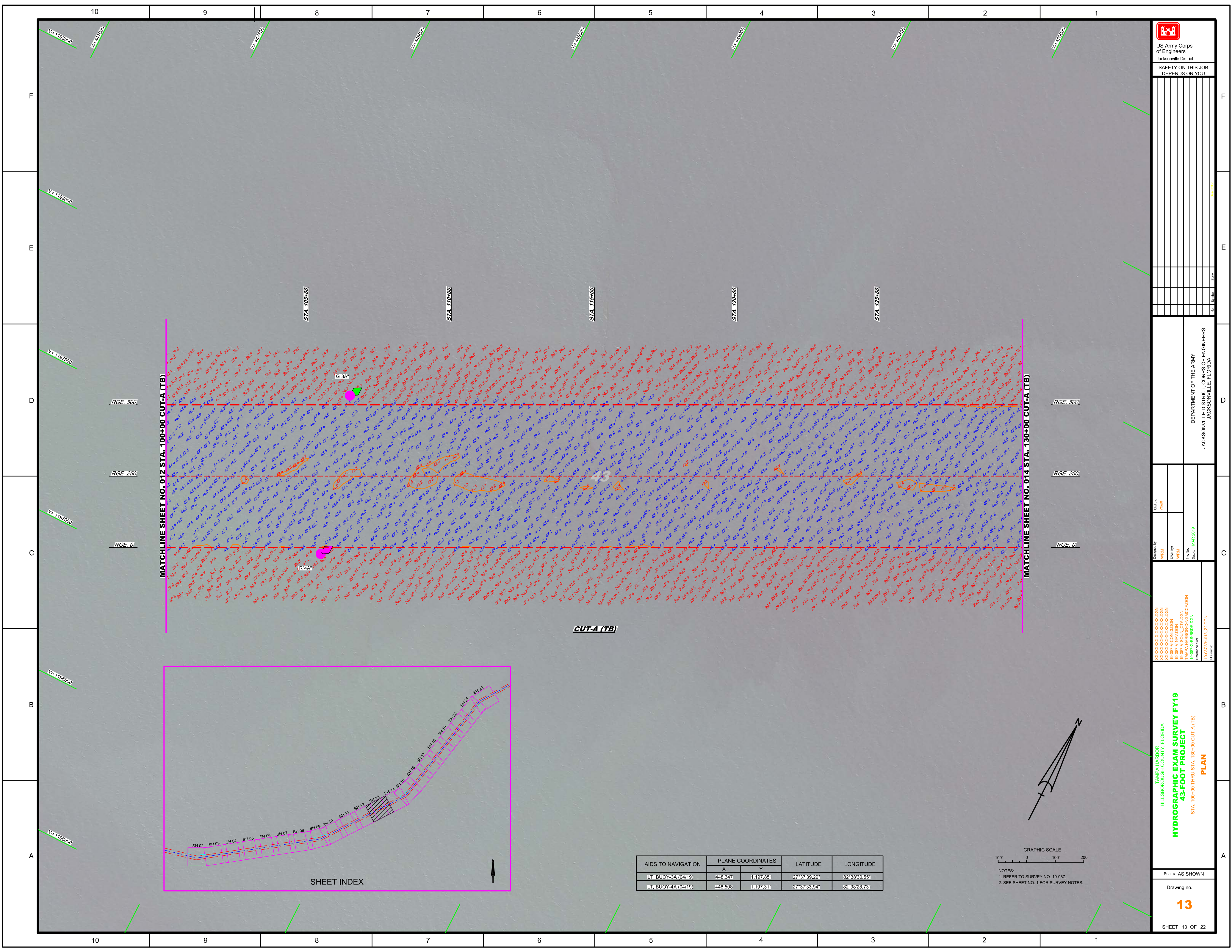


DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

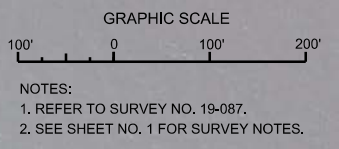
Date: **MAR 2019**
 Drawn by: **WRM**
 Check by: **WRM**
 Title: **HYDROGRAPHIC EXAM SURVEY FY19 43-FOOT PROJECT**

TAMPA HARBOR
 HILLSBOROUGH COUNTY, FLORIDA
**HYDROGRAPHIC EXAM SURVEY FY19
 43-FOOT PROJECT**
 STA. 100+00 THRU STA. 130+00 CUT-A (TB)
PLAN

Scale: **AS SHOWN**
 Drawing no.
13
 SHEET 13 OF 22



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3A (04/19)	448.347	1,197.851	27°37'39.29"	82°38'30.55"
LT. BUOY-4A (04/19)	448.508	1,197.911	27°37'33.54"	82°38'28.73"



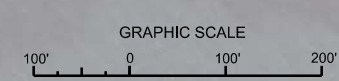
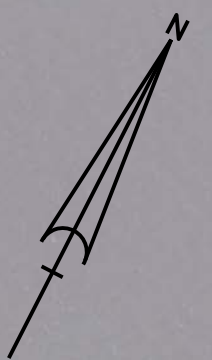
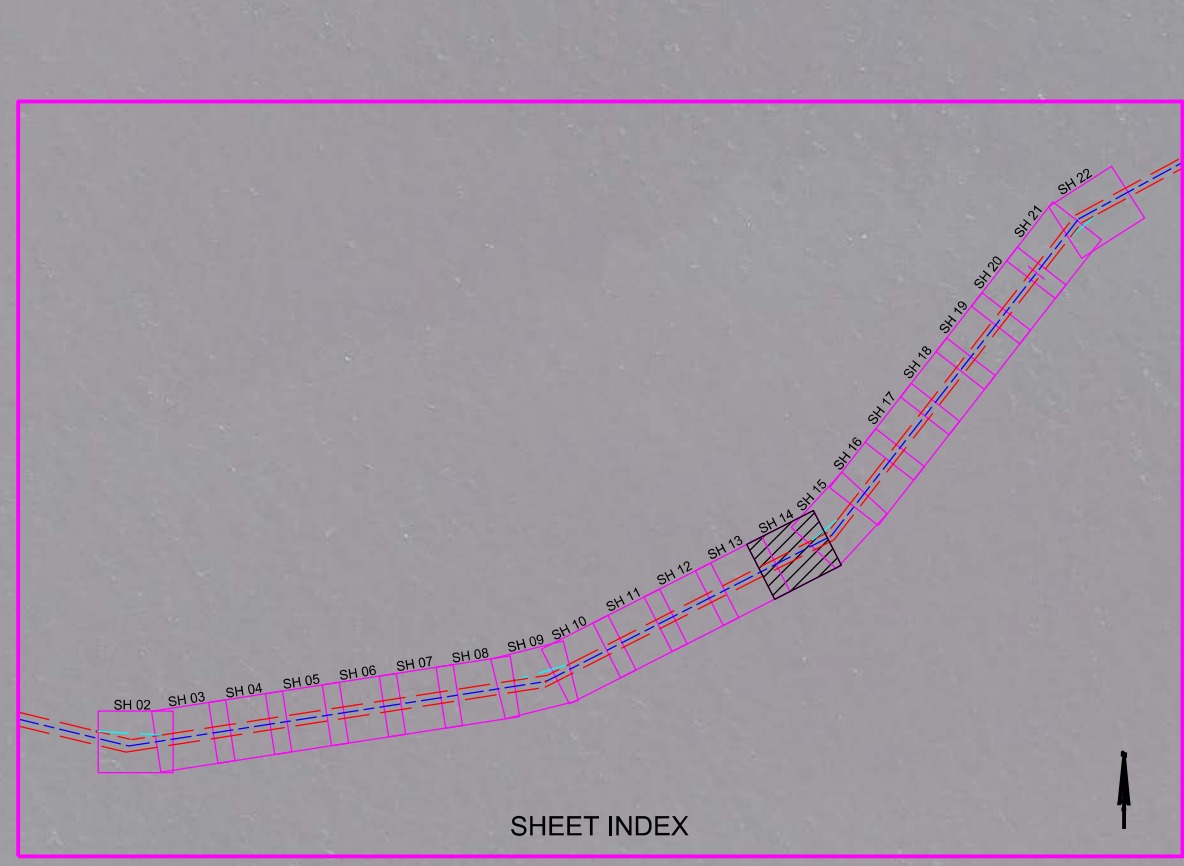
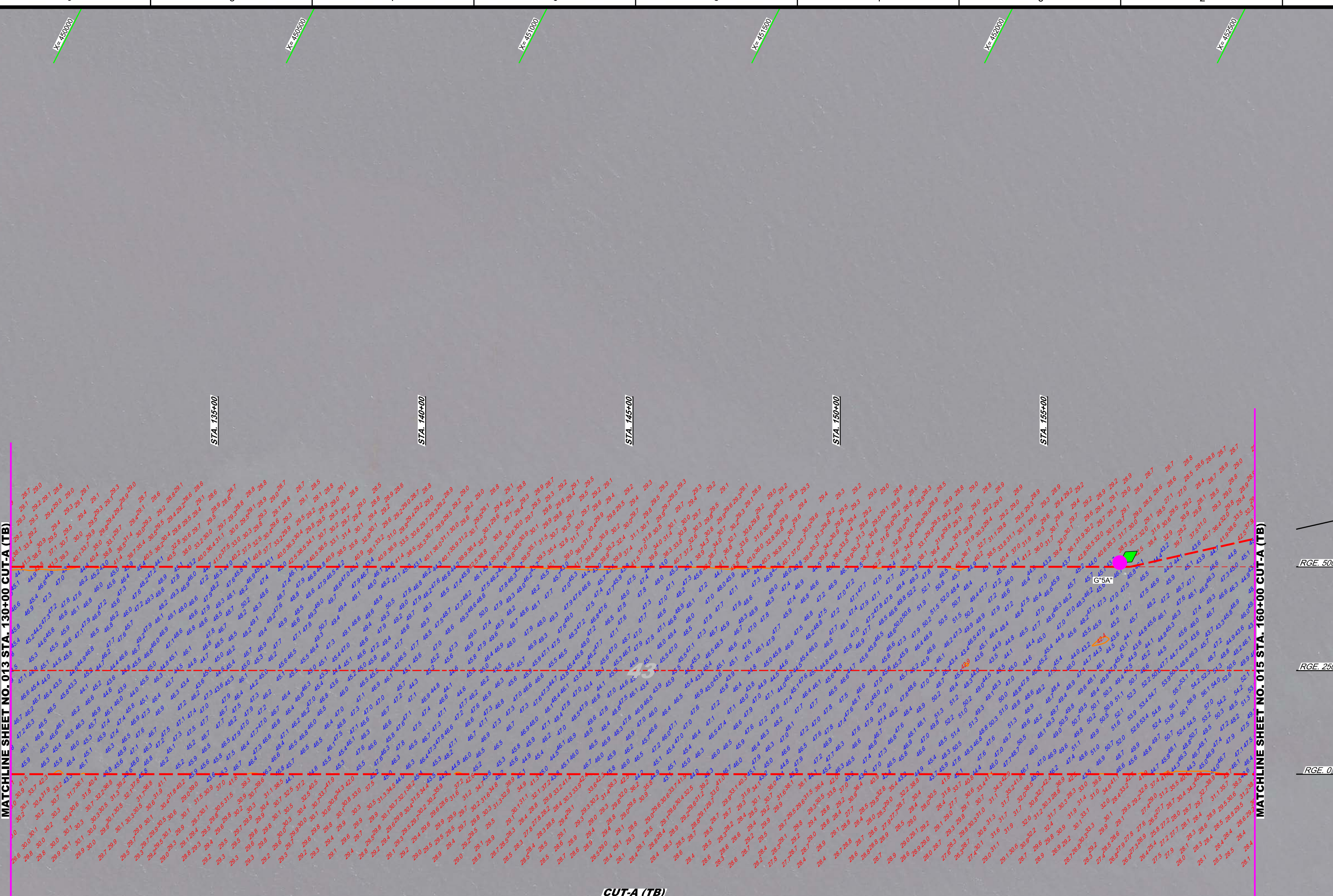
NOTES:
 1. REFER TO SURVEY NO. 19-087.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

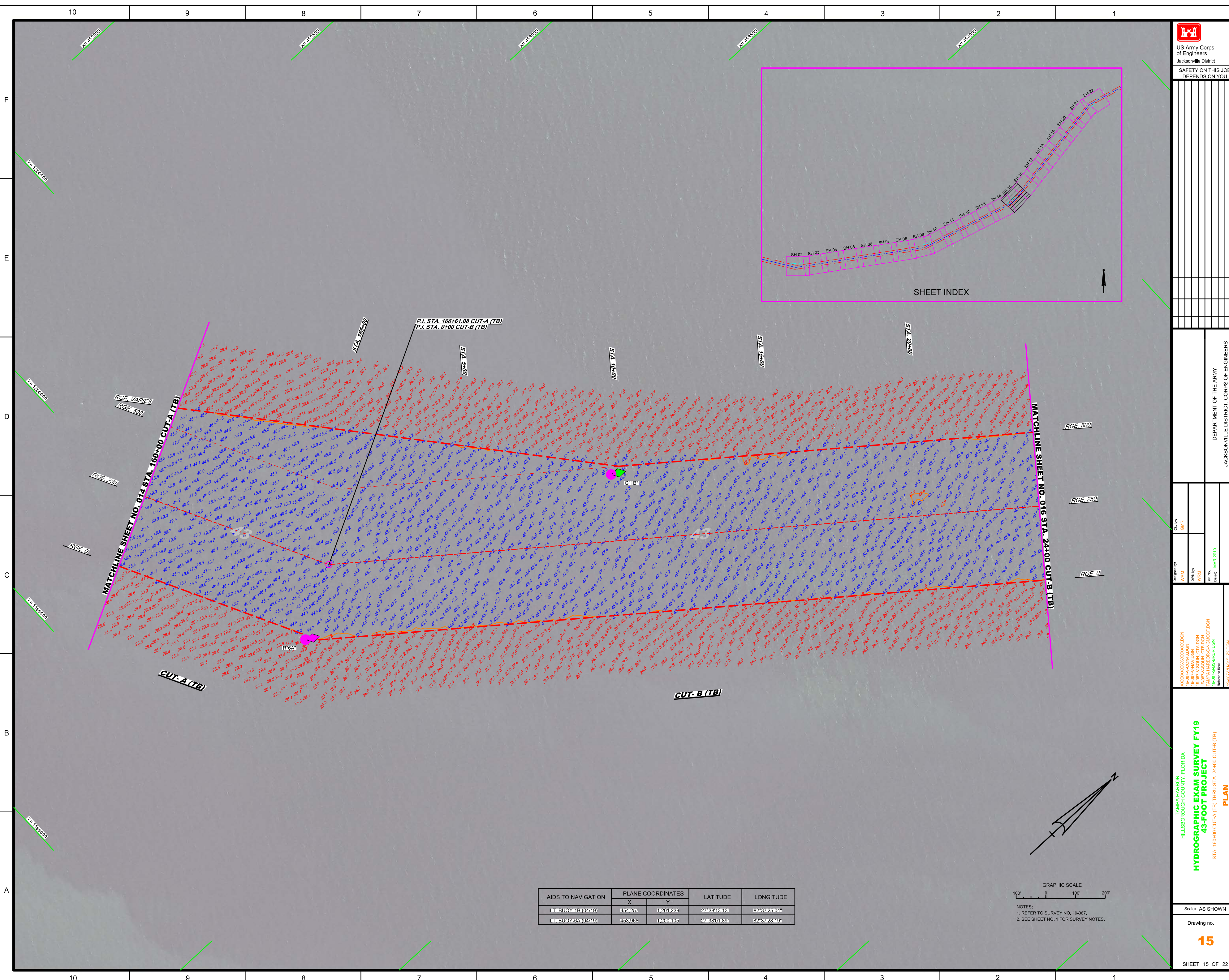
Designed by: **WRM**
Checked by: **GHR**
Drawn by: **WRM**
Date: **MAR 2019**

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
43-FOOT PROJECT
STA. 130+00 THRU STA. 160+00 CUT-A (TB)
PLAN

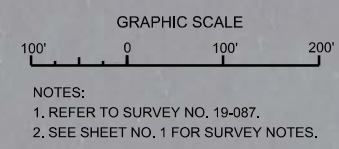


NOTES:
1. REFER TO SURVEY NO. 19-087.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
1. BUOY-5A (04/19)	452,838	1,200,118	27°38'01.96"	82°37'40.74"

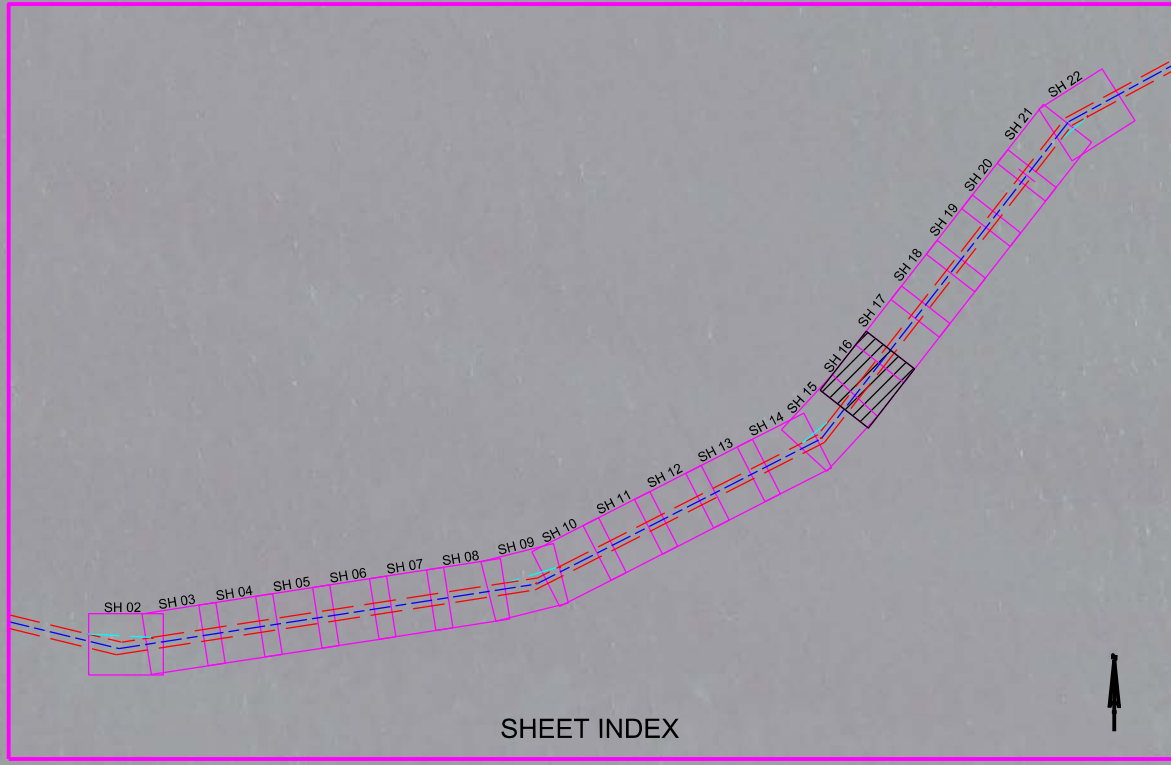
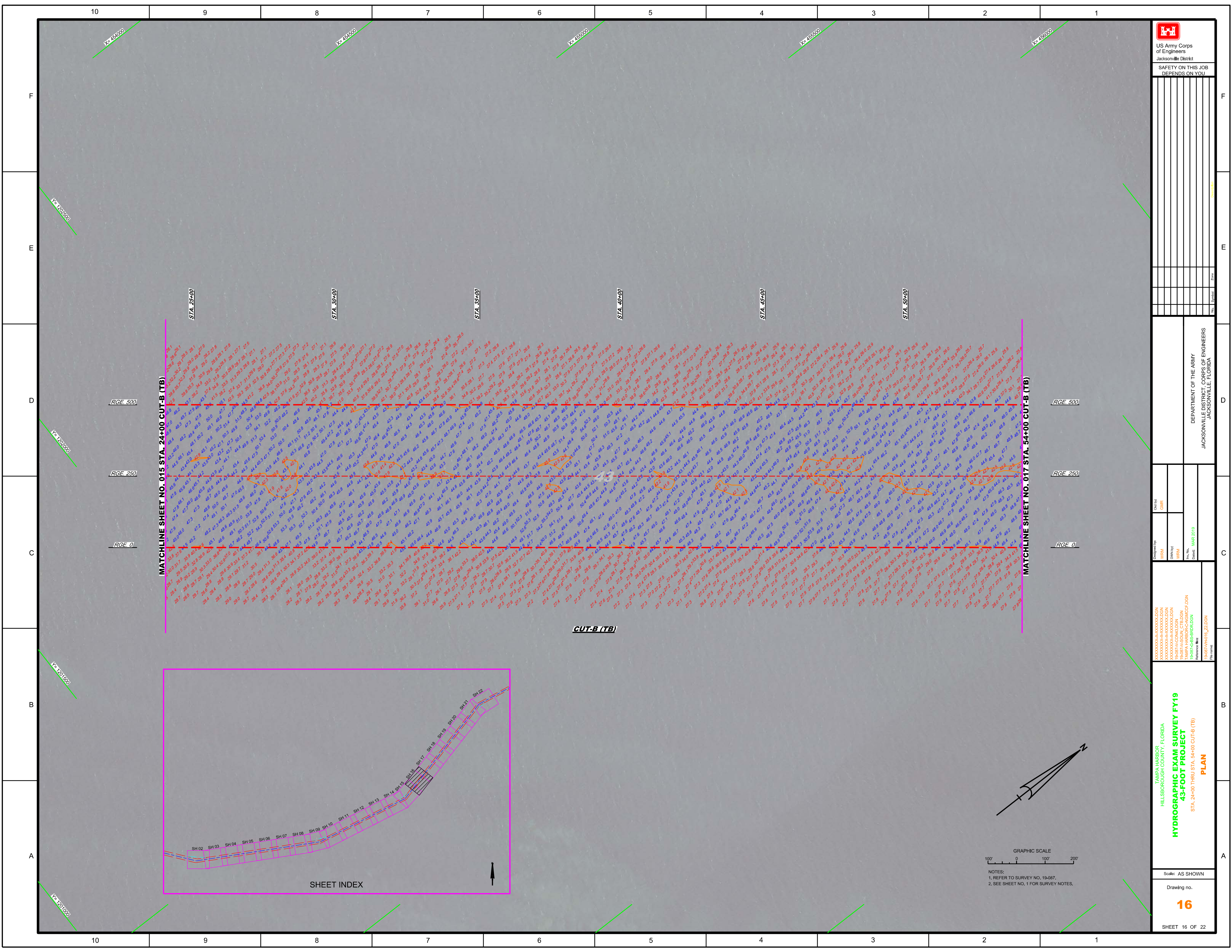



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY-18 (04/19)	454267	11201239	27°38'18.13"	82°37'25.04"
LT BUOY-6A (04/19)	453968	11200105	27°38'01.89"	82°37'28.19"

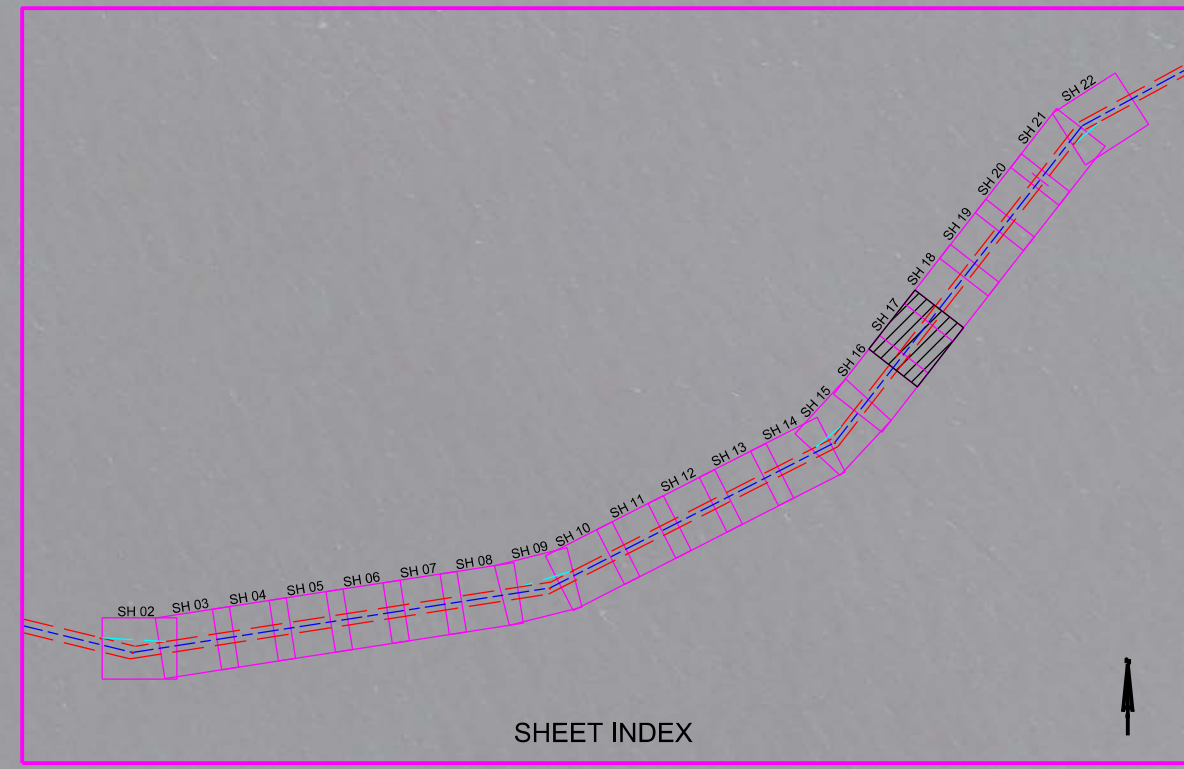
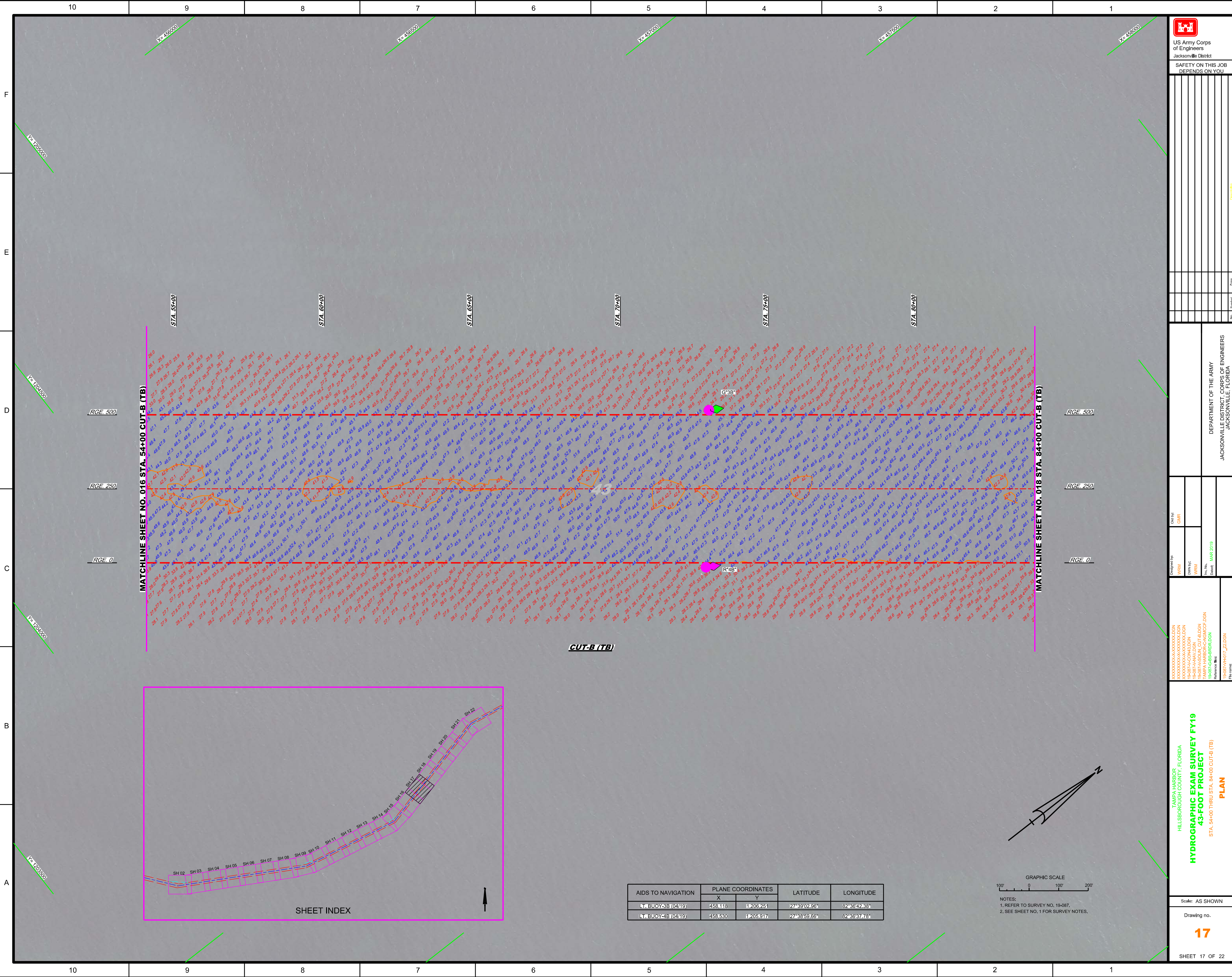


NOTES:
 1. REFER TO SURVEY NO. 19-087.
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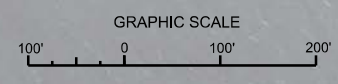
 US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU																				
DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">Designed by:</td> <td style="font-size: 8px;">Checked by:</td> </tr> <tr> <td style="font-size: 8px;">WRM</td> <td style="font-size: 8px;">GHR</td> </tr> <tr> <td style="font-size: 8px;">DWN/PAC</td> <td style="font-size: 8px;">WRM</td> </tr> <tr> <td style="font-size: 8px;">WRM</td> <td style="font-size: 8px;">WRM</td> </tr> <tr> <td style="font-size: 8px;">WRM</td> <td style="font-size: 8px;">WRM</td> </tr> <tr> <td style="font-size: 8px;">WRM</td> <td style="font-size: 8px;">WRM</td> </tr> </table>	Designed by:	Checked by:	WRM	GHR	DWN/PAC	WRM	WRM	WRM	WRM	WRM	WRM	WRM								
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">TAMPA HARBOR</td> <td style="font-size: 8px;">PLAN</td> </tr> <tr> <td style="font-size: 8px;">HILLSBOROUGH COUNTY, FLORIDA</td> <td style="font-size: 8px;">SHEET 15 OF 22</td> </tr> <tr> <td style="font-size: 8px;">HYDROGRAPHIC EXAM SURVEY FY19</td> <td style="font-size: 8px;">Scale: AS SHOWN</td> </tr> <tr> <td style="font-size: 8px;">43-FOOT PROJECT</td> <td style="font-size: 8px;">Drawing no.</td> </tr> <tr> <td style="font-size: 8px;">STA. 160+00 CUT-A (TB) THRU STA. 24+00 CUT-B (TB)</td> <td style="font-size: 8px; font-weight: bold; color: orange;">15</td> </tr> </table>	TAMPA HARBOR	PLAN	HILLSBOROUGH COUNTY, FLORIDA	SHEET 15 OF 22	HYDROGRAPHIC EXAM SURVEY FY19	Scale: AS SHOWN	43-FOOT PROJECT	Drawing no.	STA. 160+00 CUT-A (TB) THRU STA. 24+00 CUT-B (TB)	15										
TAMPA HARBOR	PLAN																			
HILLSBOROUGH COUNTY, FLORIDA	SHEET 15 OF 22																			
HYDROGRAPHIC EXAM SURVEY FY19	Scale: AS SHOWN																			
43-FOOT PROJECT	Drawing no.																			
STA. 160+00 CUT-A (TB) THRU STA. 24+00 CUT-B (TB)	15																			



 US Army Corps of Engineers Jacksonville District	
SAFETY ON THIS JOB DEPENDS ON YOU	
Checked By: GHR	Date: MAR 2019
Designed By: WRM	Drawn By: WRM
Reviewed By: WRM	Checked By: WRM
Reference File: I:\9874\H01\Z\LDN	
File Name: I:\9874\H01\Z\LDN	
TAMPA HARBOR HILLSBOROUGH COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY19 43-FOOT PROJECT STA. 24+00 THRU STA. 54+00 CUT-B (TB) PLAN	
Scale: AS SHOWN	
Drawing no. 16	
SHEET 16 OF 22	



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY 3B (0449)	458.118	1206261	27°39'02.96"	82°36'42.38"
LT BUOY 4B (0449)	458.530	1205917	27°38'59.66"	82°36'37.76"



- NOTES:
 1. REFER TO SURVEY NO. 19-087.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
 Jacksonville District

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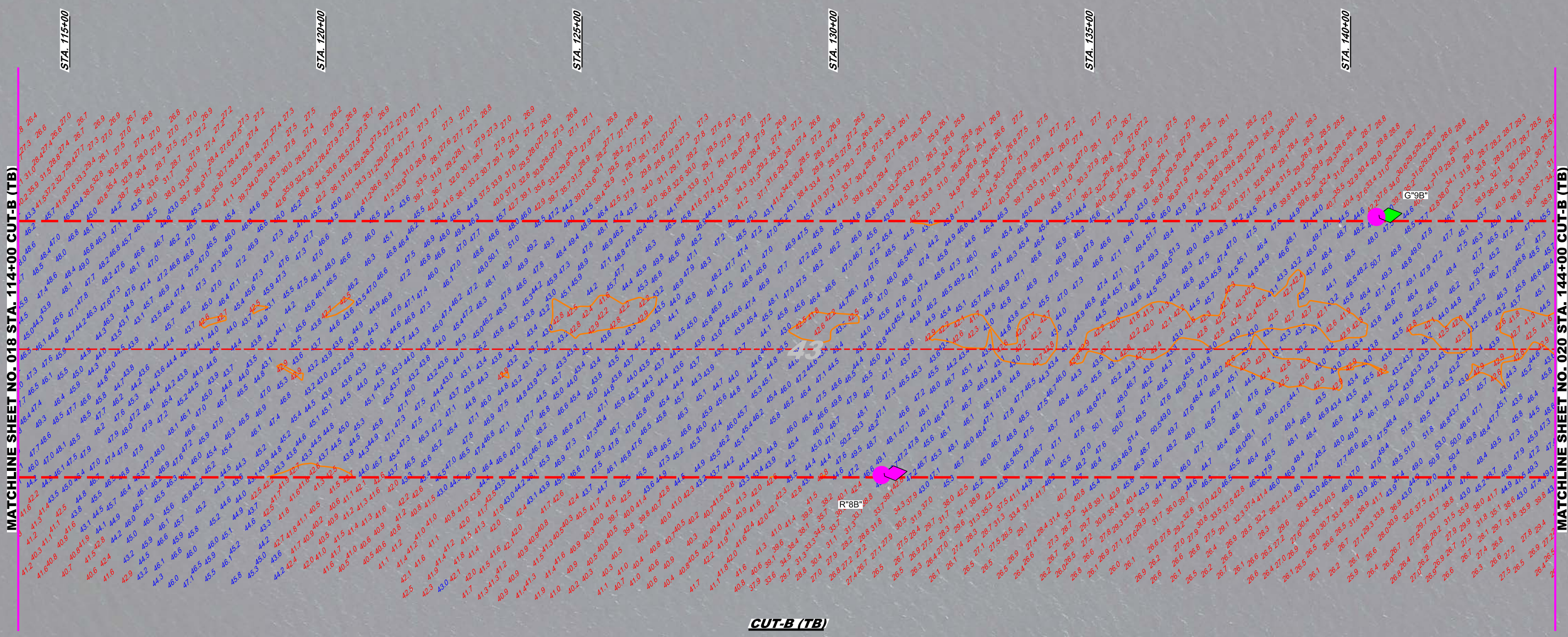
DESIGNED BY: **VRM**
 CHECKED BY: **VRM**
 DATE: **MAR 2019**

PROJECT: **HYDROGRAPHIC EXAM SURVEY FY19**
 SUBPROJECT: **43-FOOT PROJECT**
 AREA: **STA. 54+00 THRU STA. 84+00 CUT-B (TB)**

CITY: **TAMPA HARBOR**
 COUNTY: **HILLSBOROUGH COUNTY, FLORIDA**

DRAWING NO.: **17**

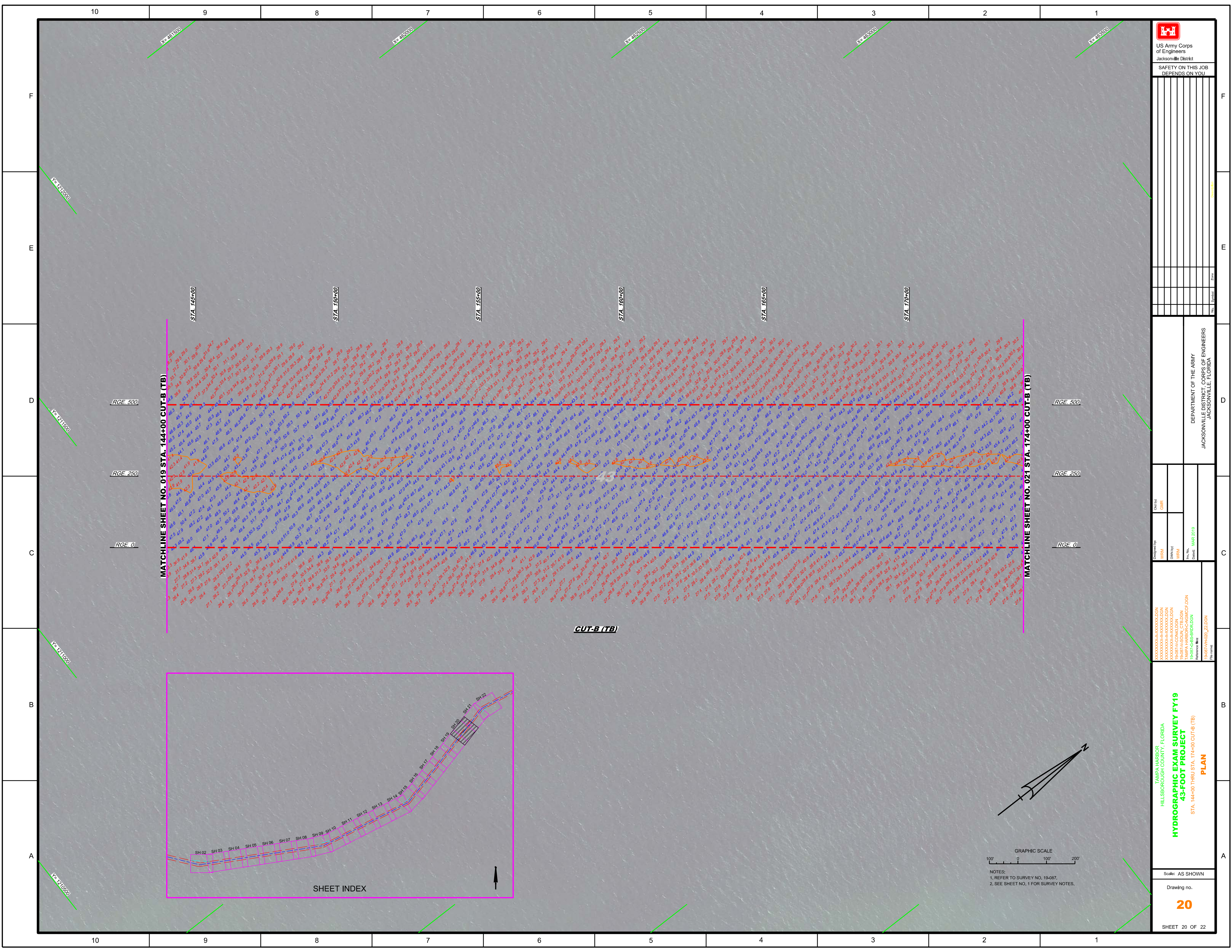
SHEET 17 OF 22



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-88 (0419)	462061	11210497	27°39'55.19"	82°35'58.54"
LT. BUOY-98 (0419)	462279	11211568	27°39'55.81"	82°35'56.40"

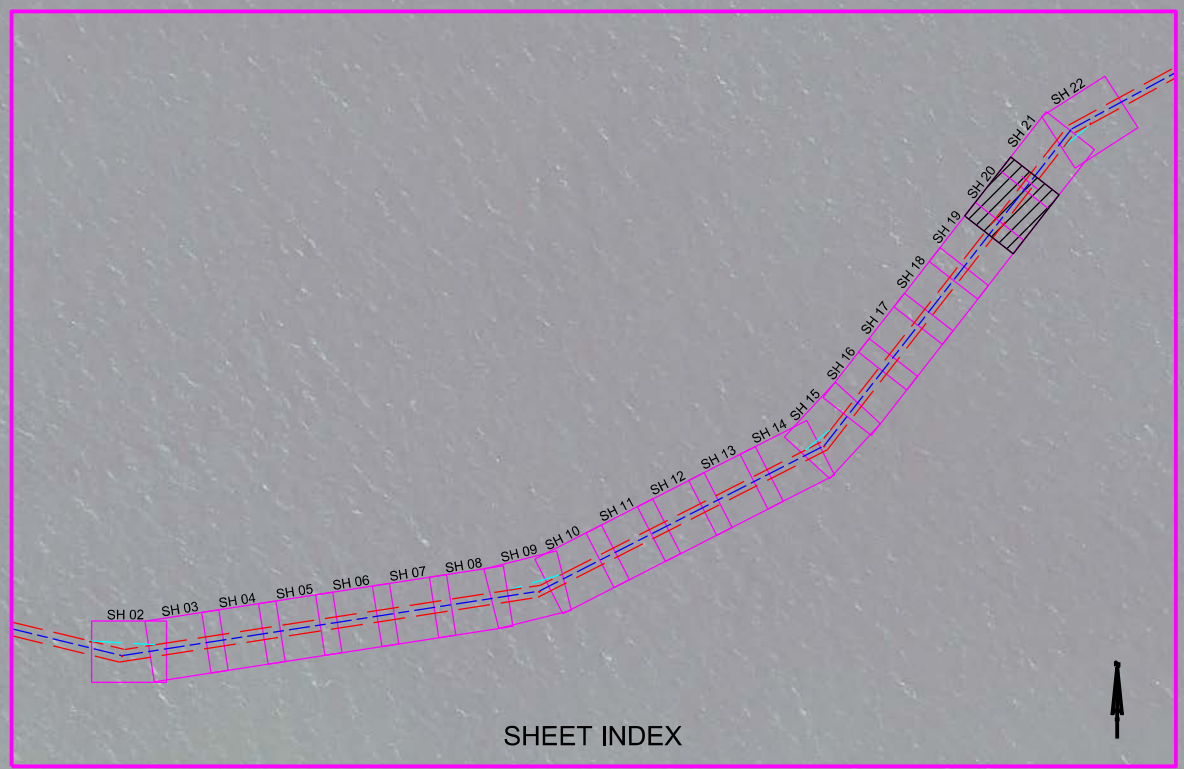


NOTES:
1. REFER TO SURVEY NO. 19-087.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



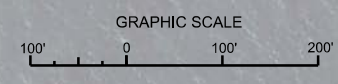
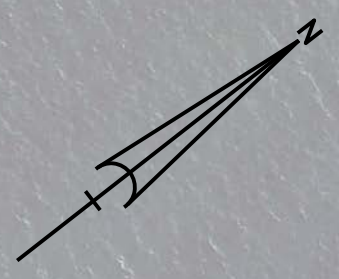
MATCHLINE SHEET NO. 019 STA. 144+00 CUT-B (TB)

MATCHLINE SHEET NO. 021 STA. 174+00 CUT-B (TB)

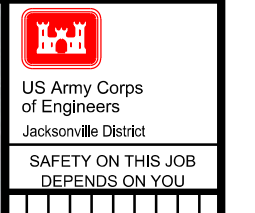


SHEET INDEX

CUT-B (TB)



NOTES:
1. REFER TO SURVEY NO. 19-087.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

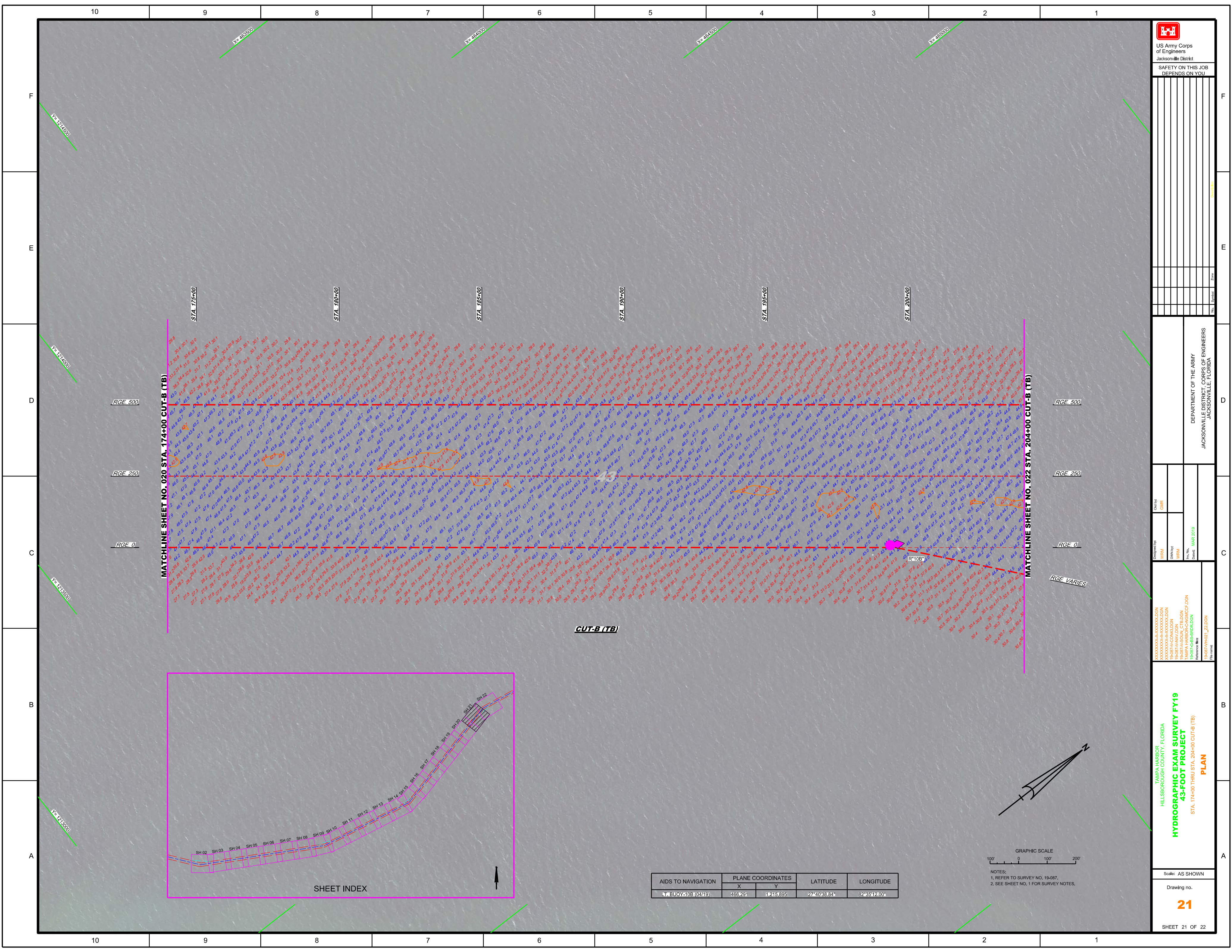


DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: GHR
Checked by: GHR
Drawn by: GHR
Reviewed by: GHR
Date: MAR 2019

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
43-FOOT PROJECT
STA. 144+00 THRU STA. 174+00 CUT-B (TB)
PLAN

Scale: AS SHOWN
Drawing no. **20**
SHEET 20 OF 22



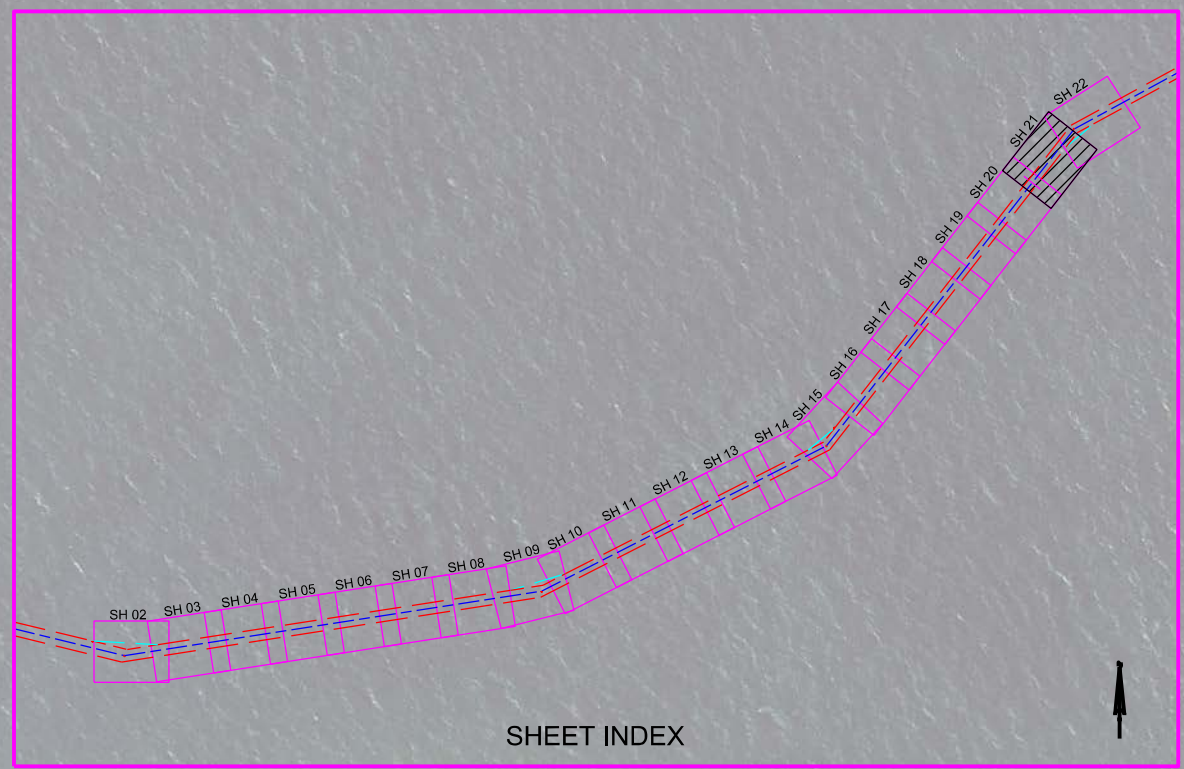
MATCHLINE SHEET NO. 020 STA. 174+00 CUT-B (TB) MATCHLINE SHEET NO. 022 STA. 204+00 CUT-B (TB)

RGE. 500
RGE. 250
RGE. 0
RGE. VARIES

STA. 175+00 STA. 180+00 STA. 185+00 STA. 190+00 STA. 195+00 STA. 200+00

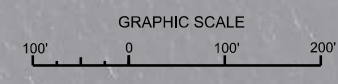
VC 463500 VC 464000 VC 464500 VC 465000

VC 463500 VC 463500 VC 463500 VC 463500



CUT-B (TB)

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
BUOY 10B (0419)	466.291	1,215.895	27°40'38.84"	82°35'12.00"



NOTES:
1. REFER TO SURVEY NO. 19-087.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

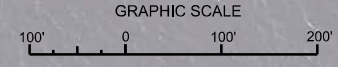
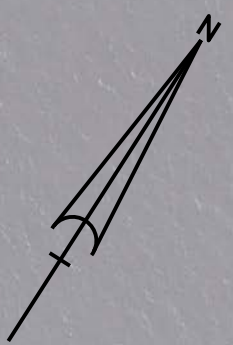
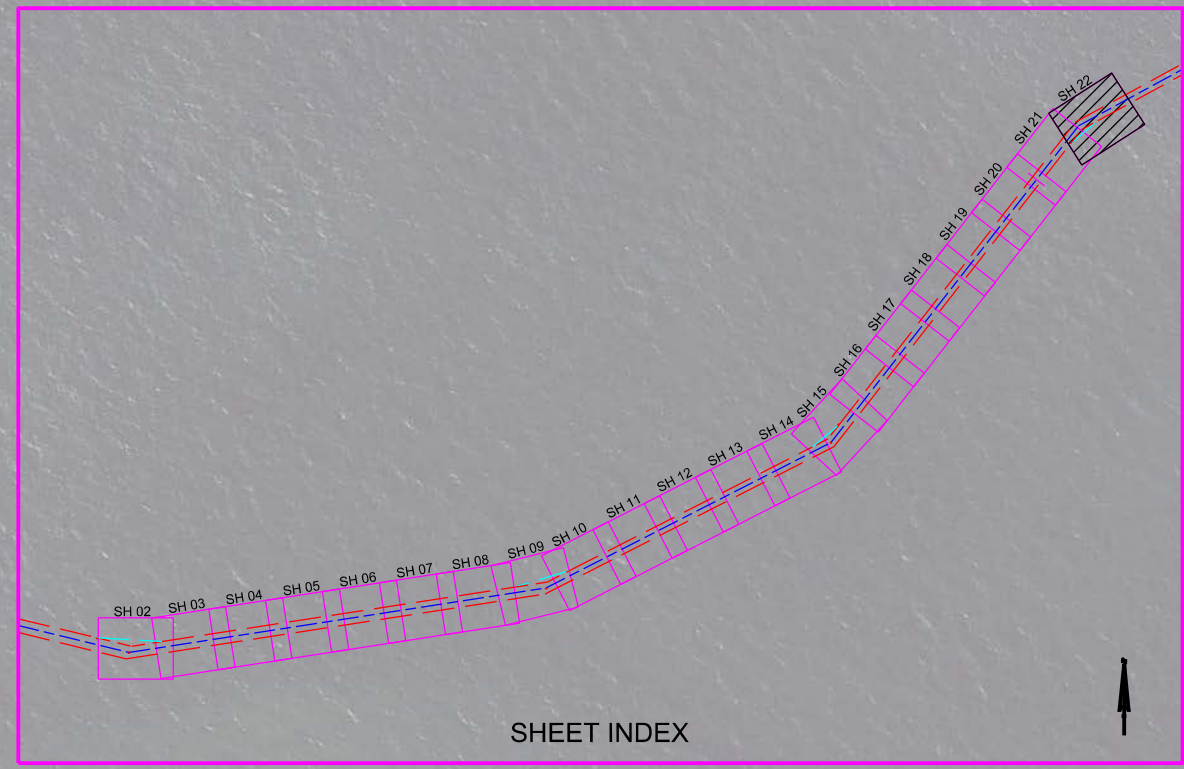
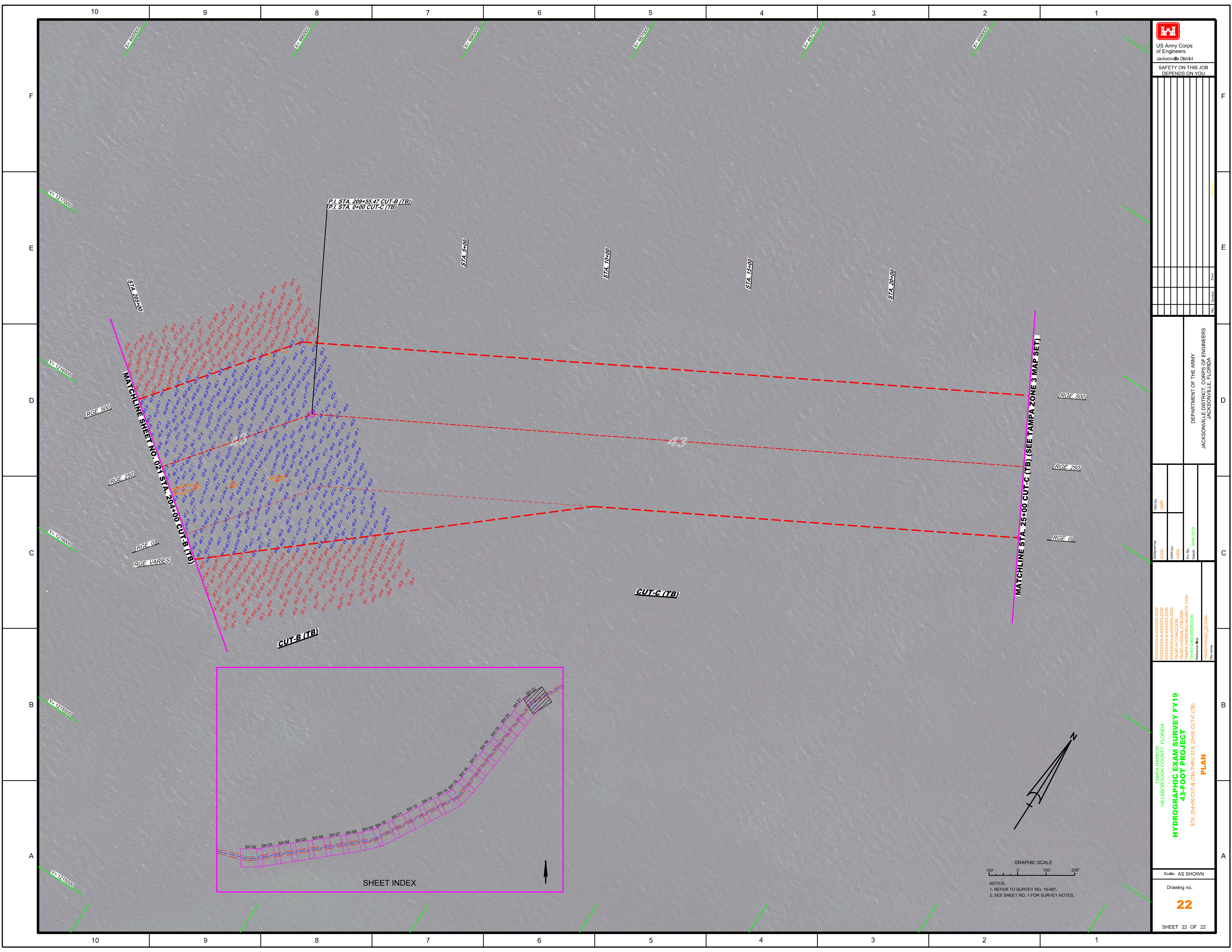


DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Checked by: GHR
Drawn by: WRM
In Charge: MAR 2019
Reference files:
19-087-AVAV.DGN
19-087-CAVAV.DGN
19-087-CAVAV-CONV.DGN
19-087-CAVAV-CONV.DGN
19-087-CAVAV-LZ.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
43-FOOT PROJECT
STA. 174+00 THRU STA. 204+00 CUT-B (TB)
PLAN

Scale: AS SHOWN
Drawing no. **21**
SHEET 21 OF 22



NOTES:
 1. REFER TO SURVEY NO. 19-087.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

 US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU	
Designated By: WRM Drawn By: WRM File No.: 19-087-C-BS-BR10L0N Reference File: 19-087-PAHZL_ZLDN	Checked By: GHR Drawn By: WRM File No.: TAMPA HARBOR-C-3M007-00N Reference File: 19-087-PAHZL_ZLDN
TAMP A HARBOR HILLSBOROUGH COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY19 43-FOOT PROJECT STA. 204+00 CUT-B (TB) THRU STA. 25+00 CUT-C (TB) PLAN	
Department of the Army Jacksonville District, Corps of Engineers Jacksonville, Florida	
Scale: AS SHOWN Drawing no. 22 SHEET 22 OF 22	