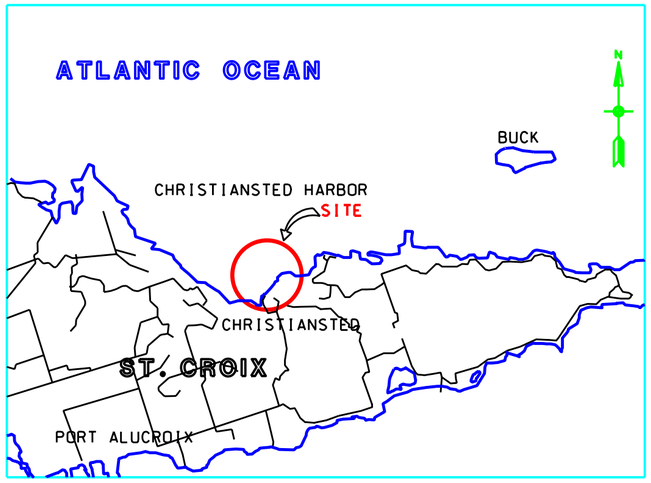
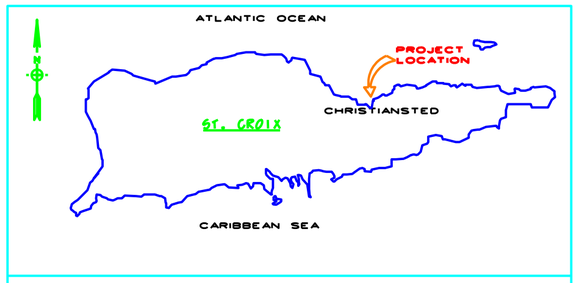


LOCATION PLAN

N.T.S.



LOCATION MAP

INDEX :

COVER SHEET	1
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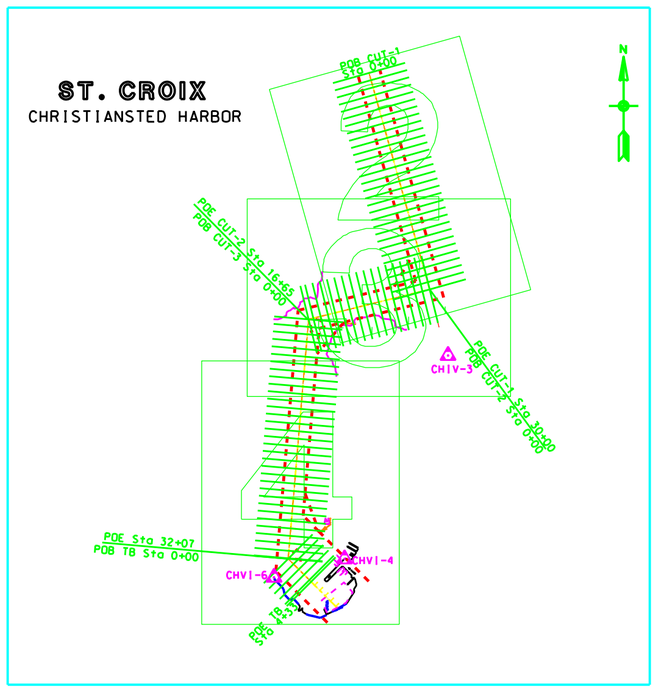


SECTIONS LOCATION

N.T.S.

GENERAL NOTES:

1. COORDINATES ARE BASED ON LAMBERT PLANE RECTANGULAR COORDINATE SYSTEM FOR PUERTO RICO.
2. STATIONING REFERS TO CENTERLINE OF CHANNEL EXCEPT FOR WIDENER STATIONING.
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A PLUS (+) SIGN.
4. THE INFORMATION DEPICTED ON THIS DRAWING REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING GENERAL CONDITIONS EXISTING AT THAT TIME.
5. THE INFORMATION SHOWN ON THESE DRAWINGS ARE COMPUTER GENERATED RESULTS AND MEETS ACCURACY STANDARDS PUBLISHED BY THE EQUIPMENT MANUFACTURER.

HORIZONTAL & VERTICAL CONTROL (NAD 27 FEET)

MONUMENT	COORDINATE X	COORDINATE Y	ELEV. MSL (NGVD 29)
CHVI-3	1104893.49	75188.94	——
CHVI-4	1103512.05	72474.02	5.07
CHVI-6	1102570.67	72229.18	——

CHANNEL ALIGNMENT

0+00 CUT	RANGE	PLANE COORDINATES X	PLANE COORDINATES Y
1	350.00	1.103.838.65	78.959.83
2	350.00	1.104.548.57	76.071.23
3	350.00	1.103.032.40	75.671.77
TRN. BSN	432.75	1.102.759.91	72.476.66

BUOY CONTROL

NAV. AID	PLANE COORDINATES X	PLANE COORDINATES Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
BUOY 1	1104217.42	78096.37	1	9+33.65	481.60	17-45-54.4306	64-41-48.0897
BUOY 2	1104137.90	77107.51	1	18+64.32	138.07	17-45-44.6346	64-41-49.0095
BUOY 3	1104556.50	76957.11	1	21+22.15	500.52	17-45-43.1041	64-41-44.6933
BUOY 4	1104373.51	76638.50	1	23+79.53	238.31	17-45-39.9626	64-41-46.6178
BOUY 5	1105207.03	76238.09	1	29+90.10	932.77	17-45-35.9145	64-41-38.0334
LT 7	1104901.05	75920.82	1	32+12.98	552.51	17-45-32.7979	64-41-41.2302
DBN	1104179.47	74943.23	2	7+26.05	1322.48	17-45-23.1740	64-41-48.7917
BUOY 6	1104088.75	76235.26	2	5+04.10	56.43	17-45-35.9817	64-41-49.6033
BUOY 8	1103225.52	75907.08	2	14+20.86	167.89	17-75-32.8192	64-41-58.5669
LT 9	1103517.38	75603.42	2	12+10.39	532.71	17-45-29.7813	64-41-55.5770
DBN 10	1102888.96	75845.92	2	17+62.26	146.52	17-45-32.2444	64-42-02.0549
AUGUST A	1104904.97	75156.50	2	-0+29.43	1299.52	17-45-25.2201	64-41-41.2648
LR RRM	1102262.16	75957.90	2	23+43.88	-112.59	17-45-33.4134	64-42-08.5290
LR FRM	1102868.33	75980.44	2	17+50.01	10.97	17-45-33.5800	64-42-02.2552
LT 11	1103284.64	75323.30	3	3+25.76	630.94	17-45-27.0260	64-41-58.0124

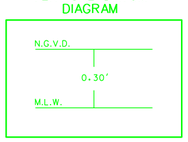
CHANNEL LIMITS

CHANNEL PI NO.	PLANE COORDINATES X	PLANE COORDINATES Y	CUT	STATION	RANGE
1	1.104.382.66	76.464.02	1	25+50.00	200.00
2	1.104.462.37	76.179.71	1	28+45.27	200.00
			2	1+54.73	200.00
3	1.104.175.22	76.108.87	2	4+50.00	200.00
4	1.102.892.06	75.791.60	2	17+72.27	200.00
			3	-1+07.47	200.00
5	1.102.596.32	72.312.09	3	33+84.67	200.00
			TRN. BSN.	0+00.00	200.00
6	1.103.161.10	71.746.23	TRN. BSN.	8+00.25	200.00
7	1.103.325.77	71.910.80	TRN. BSN.	8+00.25	432.75
8	1.103.171.57	72.838.94	3	28+14.19	733.45
			TRN. BSN.	0+34.93	980.00
9	1.102.959.44	73.051.30	3	26+17.43	500.00
10	1.102.984.93	73.349.99	3	23+17.43	500.00
11	1.103.14362	75.210.65	3	4+50.00	500.00
12	1.103.172.73	75.551.94	2	15+57.33	500.00
			3	1+07.47	500.00
13	1.103.505.25	75.634.13	2	12+14.80	500.00
14	1.104.834.77	75.962.74	1	31+54.73	500.00
			2	-1+54.78	500.00
15	1.105.145.56	76.221.24	1	29+90.00	870.00
16	1.104.568.92	76.910.90	1	21+70.00	500.00

SURVEY NOTES:

1. REFER TO SURVEY NO. 99-037.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER. WHICH IS 0.30 FEET BELOW MEAN SEA LEVEL(NATIONAL GEODETIC VERTICAL DATUM OF 1929).
3. ALL AZIMUTHS ARE GRID: RECKONED CLOCKWISE FROM SOUTH.
4. AIDS TO NAVIGATION WERE LOCATED THIS SURVEY.
5. REFER TO RAW FIELD DATA: DEPTH SOUNDER (FATHOMETER) 2 ROLLS. DATED 02/18/99 TO 02/19/99.
6. STANDARD FIELD CALIBRATIONS FOR EQUIPMENT WERE PERFORMED. THIS SURVEY AND ACCURACY RESULTS ARE WITHIN MANUFACTURER'S SPECIFICATIONS.
7. ON THE DATE THAT THE BUOYS WERE LOCATED THE WIND VELOCITY WAS 15 TO 20 KNOTS COMING FROM THE NORTH-EAST.
8. EQUIPMENT & HYDRO INFORMATION:
   ASHTECH RELIANCE DGPS
   ECHOTRAC DF 3200 MKII, HIGH FRECUENCY
   REFERENCE STATION: CHVI-04
   DGPS CALIBRATION STATION: CHVI-04 AND CHVI-06
   LOCATION OF TIDE STAFT: TS #1 DRY DOCK AREA
   BENCH MARK: CHVI-04
   VESSEL: MILE-MARK
9. THIS DRAWING WAS REVIEWED AND CHECKED BY: _____

VERTICAL DATUM DIAGRAM



SURVEYOR'S CERTIFICATE

THE UNDERSIGNED, REGISTERED SURVEYOR LICENCE NO. 7537 AUTHORIZED TO EXERCISE HIS PROFESSION IN PUERTO RICO DOES HEREBY CERTIFY THAT THE ABOVE DISTANCES AND THAT THE PLAT HEREON DRAWN IS A TRUE REPRESENTATION OF THE EXISTING CONDITION.

RENAN LOPEZ DE AZUA

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

R.LDA R.LOPEZ DE AZUA & ASSOCIATES
SAN JUAN, PUERTO RICO
WWW.RLDA.COM

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: MARCH 1999
Plot scale: AS SHOWN

Designed by: XXX
Dwn by: XXX
Ckd by: XXX

Dated MARCH 1999
D.O.FILE NO. 109-37.789

File name: XXXXXXXX.DGN
Reference files: A037-B00.DGN A037-R.DGN A037-TUR.DGN A037-T8.DGN A037-CUT1.DGN A037-CUT2.DGN A037-CUT3.DGN A037-DTM.DGN

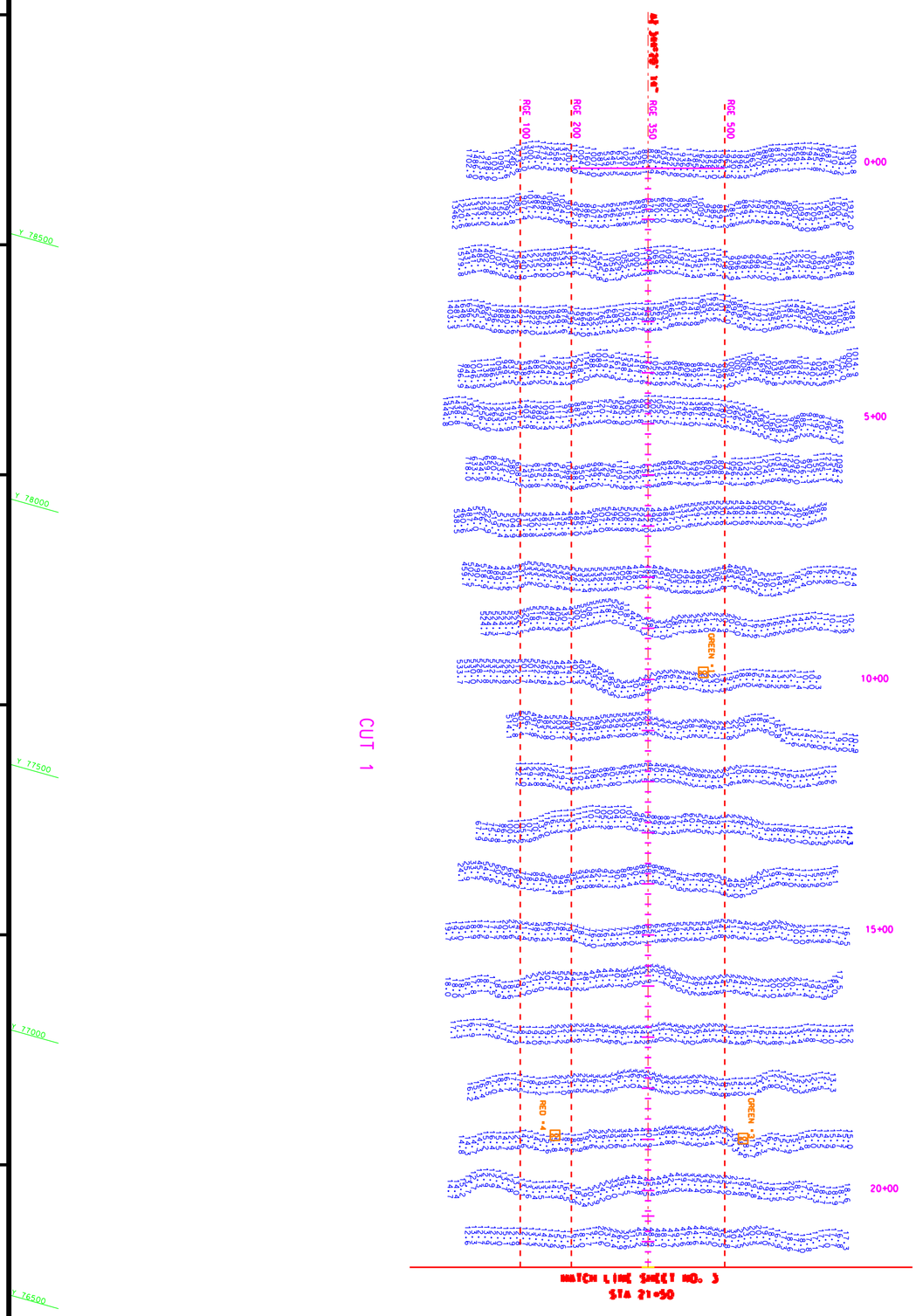
CHRISTIANSTEAD HARBOR
ST CROIX, U.S. VIRGIN ISLAND

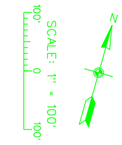
EMERGENCY PROJECT
CONDITION SURVEY
16 FOOT PROJECT

PLAN VIEW

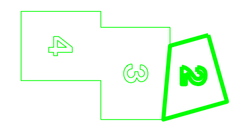
DRAWING NO.
X/X

SHEET 1 OF 4





NOTES:
1. SEE DRAWING NUMBER 1 FOR NOTES.
2. REFER TO SURVEY NO. 99-037.



CHRISTIANSTEAD HARBOR
ST CROIX, U.S. VIRGIN ISLAND

EMERGENCY PROJECT
CONDITION SURVEY
16 FOOT PROJECT
CUT 1
PLAN VIEW

DRAWING NO. X/X
SHEET 2 OF 4

File name: XXXXXXX.DGN
Reference files: A037-BOR.DGN, A037-PL.DGN, A037-PL1.DGN, A037-TB.DGN, A037-CUT1.DGN, A037-CUT2.DGN, A037-CUT3.DGN, A037-DTM.DGN

Designed by: XXX
Dwn by: XXX
Ckd by: XXX

Dated: MARCH 1999
D.O.FILE NO. 109-37,789

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: MARCH 1999
Plot scale: AS SHOWN

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

RLDA R.LOPEZ DE AZUA & ASSOCIATES
SAN JUAN, PUERTO RICO
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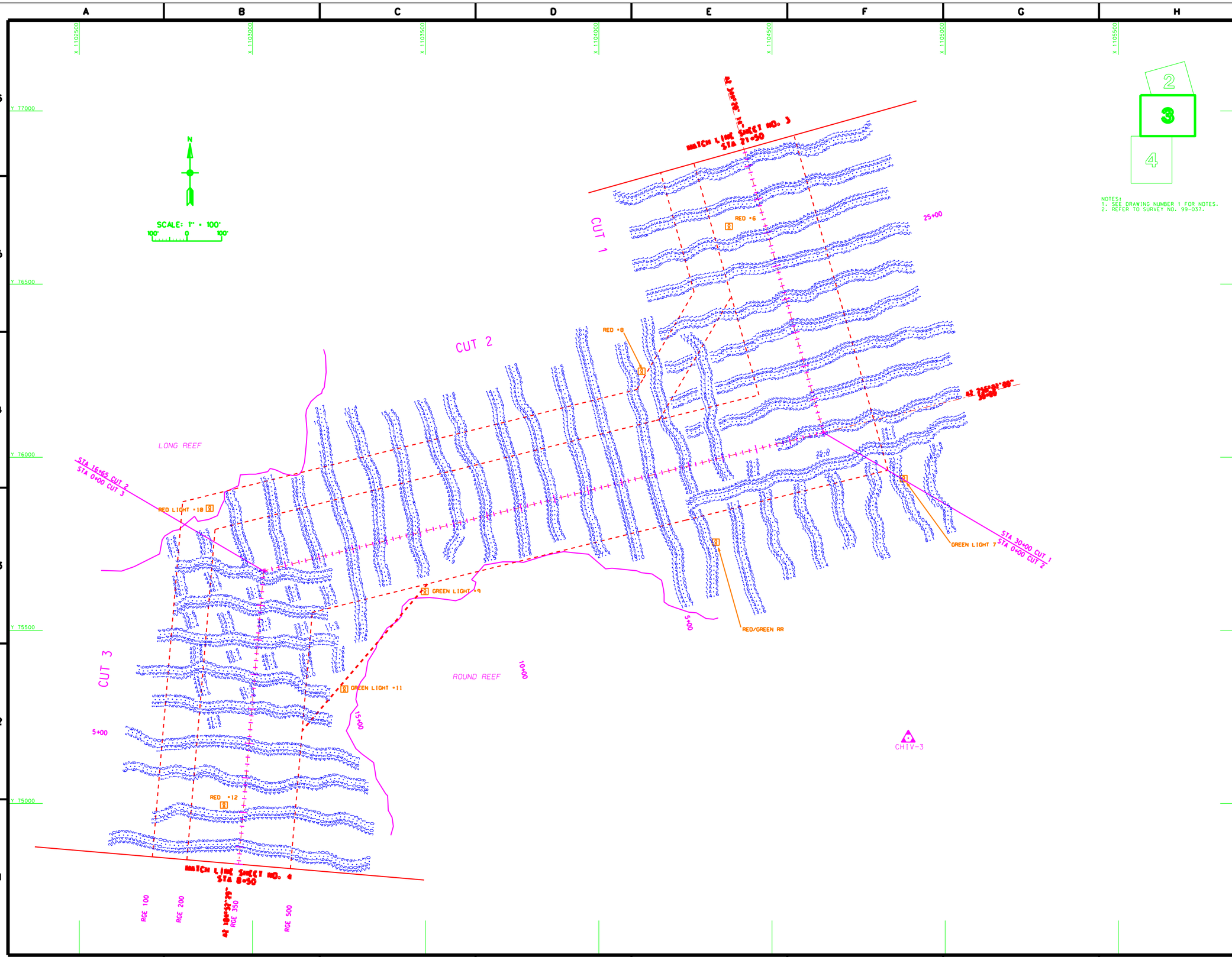
No.	Symbol	Zone	Description	Approved

US Army Corps of Engineers
Jacksonville District

JOB DEPENDS ON THIS SYS



NOTES:
1. SEE DRAWING NUMBER 1 FOR NOTES.
2. REFER TO SURVEY NO. 99-037.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Vol.	Symbol	Zone	Description	Approved

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

R-LOPEZ DE AZUA & ASSOCIATES
SAN JUAN, PUERTO RICO
WWW.RLDA.COM

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
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Dwn by: XXX
Ckd by: XXX
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Reference files:
A037-B00.DGN
A037-R.DGN
A037-P1.DGN
A037-T8.DGN
A037-CUT1.DGN
A037-CUT2.DGN
A037-CUT3.DGN
A037-DTM.DGN

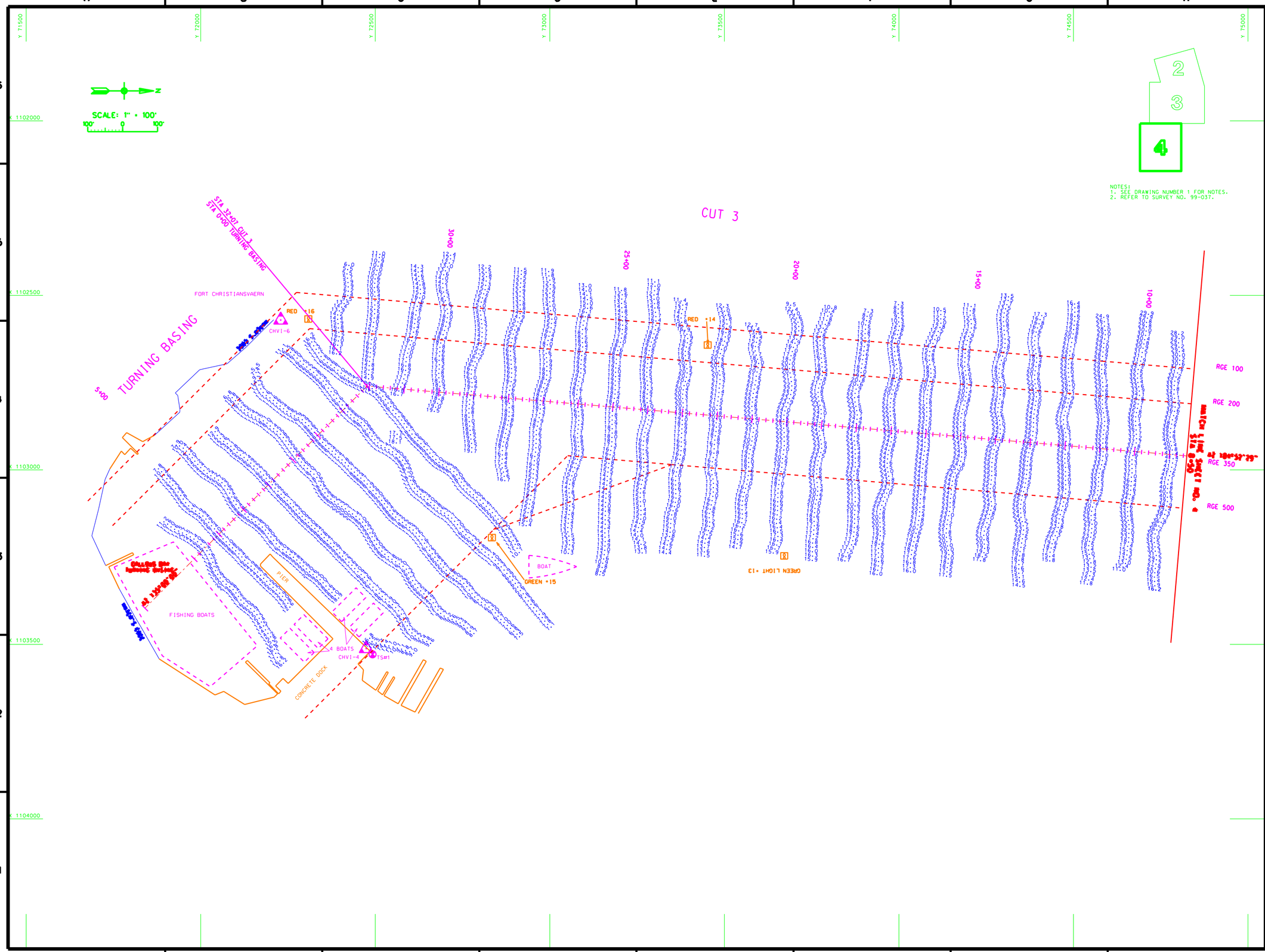
CHRISTIANSTEAD HARBOR
ST CROIX, U.S. VIRGIN ISLAND

EMERGENCY PROJECT CONDITION SURVEY

16 FOOT PROJECT
CUTS 1, 2 AND 3
PLAN VIEW

DRAWING NO.
X/X

SHEET 3 OF 4



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

R.LOPEZ DE AZUA & ASSOCIATES
SAN JUAN, PUERTO RICO
WWW.RLDA.COM

Rev. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: MARCH 1999
Plot scale: AS SHOWN

Designed by: XXX
Dwn by: XXX
Ckd by: XXX

Date: MARCH 1999
D.O. FILE NO. 109-37,789

File name: XXXXXXX.DGN

Reference files:
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A037-PL1.DGN
A037-TB.DGN
A037-CUT1.DGN
A037-CUT2.DGN
A037-CUT3.DGN
A037-OTM.DGN

CHRISTIANSTED HARBOR
ST CROIX, U.S. VIRGIN ISLAND

EMERGENCY PROJECT
CONDITION SURVEY
16 FOOT PROJECT
CUT 3 AND TURNING BASIN
PLAN VIEW

DRAWING NO.
X/X

SHEET 4 OF 4