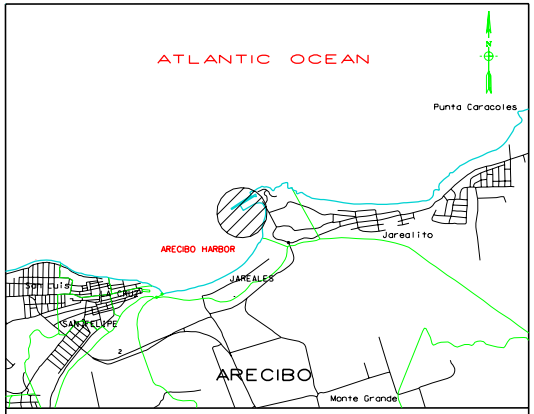


LOCATION PLAN

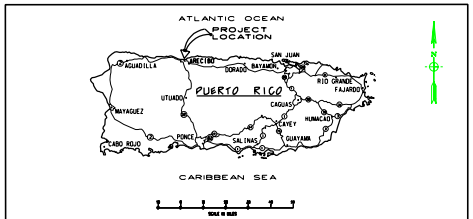
NOT TO SCALE

HORIZONTAL & VERTICAL CONTROL

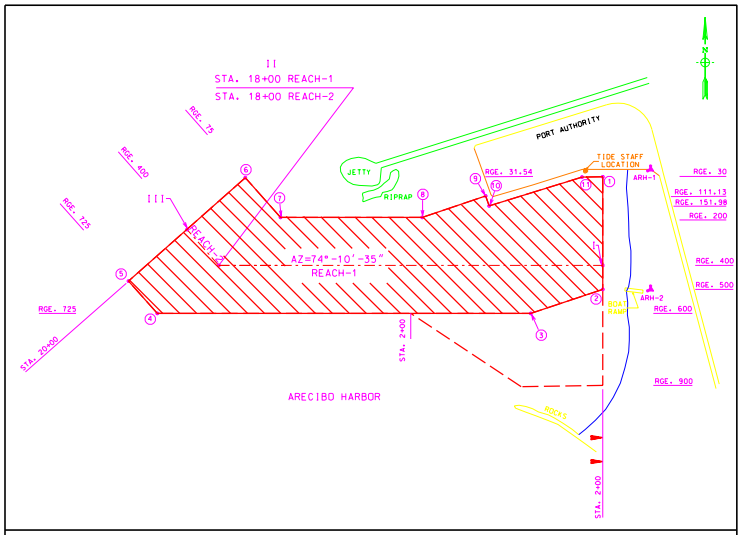
CONTROL MONUMENT	PLANE COORDINATES (NAD83 FEET)		NGVD-29 ELEVATION
	X	Y	
ARH-1	-	-	6.95
ARH-2	-	-	5.97
U.S. COAST GUARD DGPS BEACON	67°04'01.0554"E	18°27'46.7022"N	——

CENTERLINE CONTROL POINT	PLANE COORDINATES		STATION	RANGE	REACH
	X	Y			
I	563,533.03	890,994.52	2+00	400	1
II	561,993.64	890,558.23	18+00	400	1
			18+00	400	2
III	561,825.31	890,666.22	20+00	400	2

CHANNEL CONTROL POINT	PLANE COORDINATES		STATION	RANGE	REACH
	X	Y			
1	563,432.14	891,350.50	2+00	30	1
2	563,560.30	890,898.31	2+00	500	1
3	563,298.93	890,720.29	5+00	600	1
4	561,800.93	890,295.73	18+20.47	725	2
5	561,649.83	890,332.66	20+00	725	2
6	562,000.78	890,939.77	20+00	75	2
7	562,186.36	890,820.73	15+43	200	1
8	562,754.81	890,981.84	9+52.18	200	1
9	562,985.24	891,139.52	6+87.49	111.13	1
10	563,009.44	891,103.92	6+73.91	151.98	1
11	563,349.80	891,325.57	2+86	31.54	1



LOCATION MAP



SURVEY LIMITS

NOT TO SCALE

RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER

LEGEND

- AIDS TO NAVIGATION
- TIDE STAFF
- MONUMENT

CHANNEL SURVEY NOTES:

1. REFER TO SURVEY NO. 02-033.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 0.55 FEET BELOW NGVD 29 (NATIONAL GEODETIC VERTICAL DATUM OF 1929).
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY PLUS (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE LAMBERT PROJECTION FOR PUERTO RICO AND THE U.S. VIRGIN ISLAND. AND ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
5. THIS SURVEY WAS PERFORMED ON JANUARY 29, 2002.
6. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.

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 THE PLAT HEREON DRAWN IS A TRUE REPRESENTATION OF THE EXISTING CONDITION AT THE TIME OF THE SURVEY.

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.LOPEZ DE AZUA & ASSOCIATES
SAN JUAN, PUERTO RICO

Designed by: | Date by: | Job by: | Date: | Scale: 1:100 | Plot date: MARCH 16, 2002 | Plot scale: 1:100 | Dwn. No. | Dwg. No. 106-38,285 | Dated: MARCH 2002 | D.O.FILE NO.

File name: 033STATION
Reference files: 033GRIDLOCN

ARECIBO HARBOR, PUERTO RICO
PROJECT CONDITION SURVEY
25 FOOT SURVEY
COVER SHEET

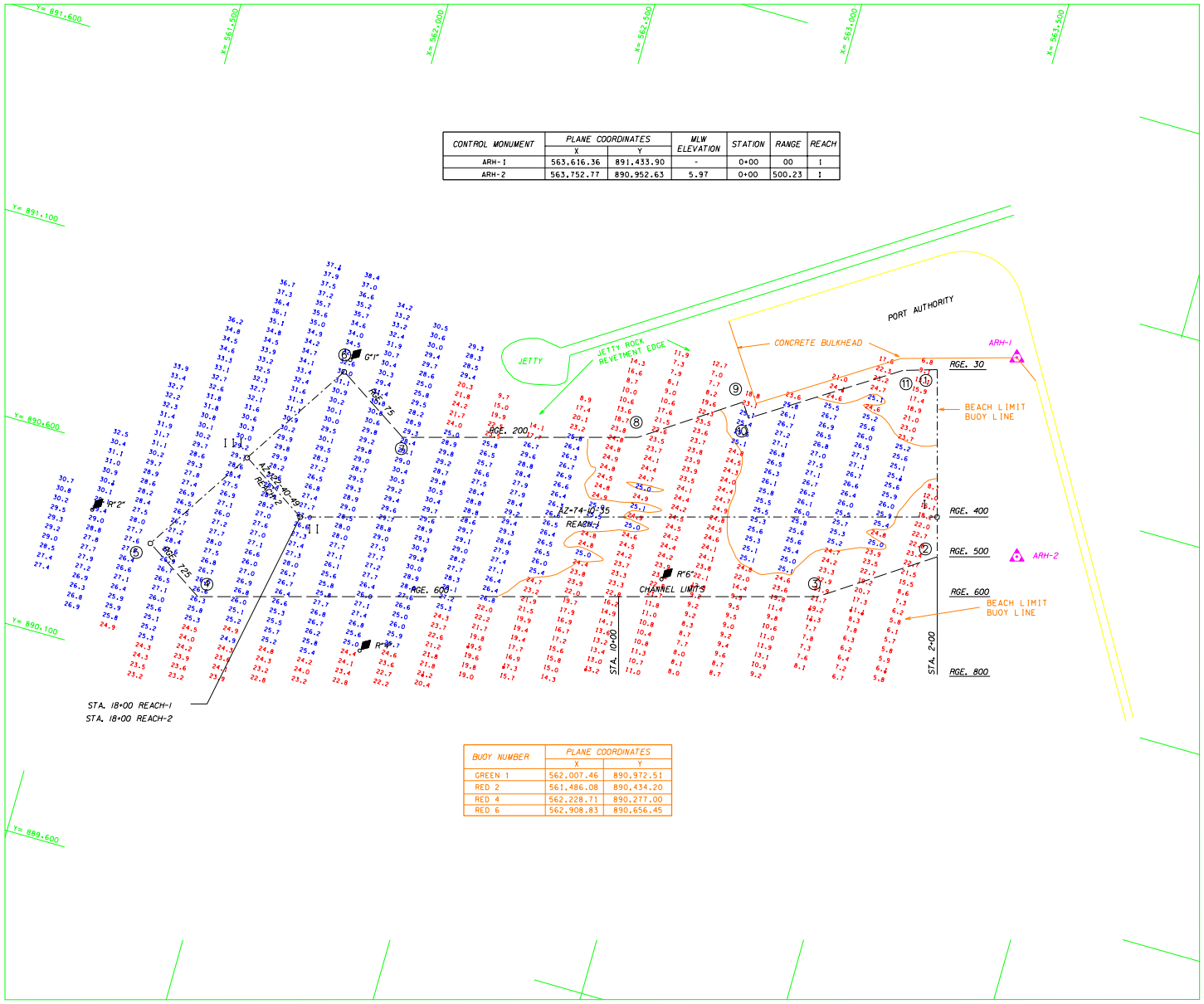
DRAWING NO.
1/3

SHEET 1 OF 3

...\ARECIBO\02-033\dgn\d033s1.dgn 04/01/02 01:32:59 PM

CONTROL MONUMENT	PLANE COORDINATES		MLW ELEVATION	STATION	RANGE	REACH
	X	Y				
ARH-1	563,616.36	891,433.90	-	0+00	00	1
ARH-2	563,752.77	890,952.63	5.97	0+00	500.23	1

LEGEND	
	MONUMENT
	RED BUOY
	GREEN BUOY



BUOY NUMBER	PLANE COORDINATES	
	X	Y
GREEN 1	562,007.46	890,972.51
RED 2	561,486.08	890,434.20
RED 4	562,228.71	890,277.00
RED 6	562,908.83	890,656.45

SCALE: 1" = 100'

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

Designed by:
Date by:
Checked by:
Date by:
Approved by:
Date by:

Rev. No.
Date:
Scale: 1:100
Plot date: MARCH 19, 2002
Plot scale: 1:100

Dated: MARCH 2002
D.O.FILE NO. 106-38.285

File name: 033S2.DGN
Reference files: 033S0BATH.DGN 033S0BASE.DGN 033S0REL.DGN 033S0TOPO.DGN 033S1A.DGN

ARECIBO HARBOR, PUERTO RICO
PROJECT CONDITION SURVEY
25 FOOT SURVEY
PLAN VIEW

DRAWING NO.
2/3

SHEET 2 OF 3

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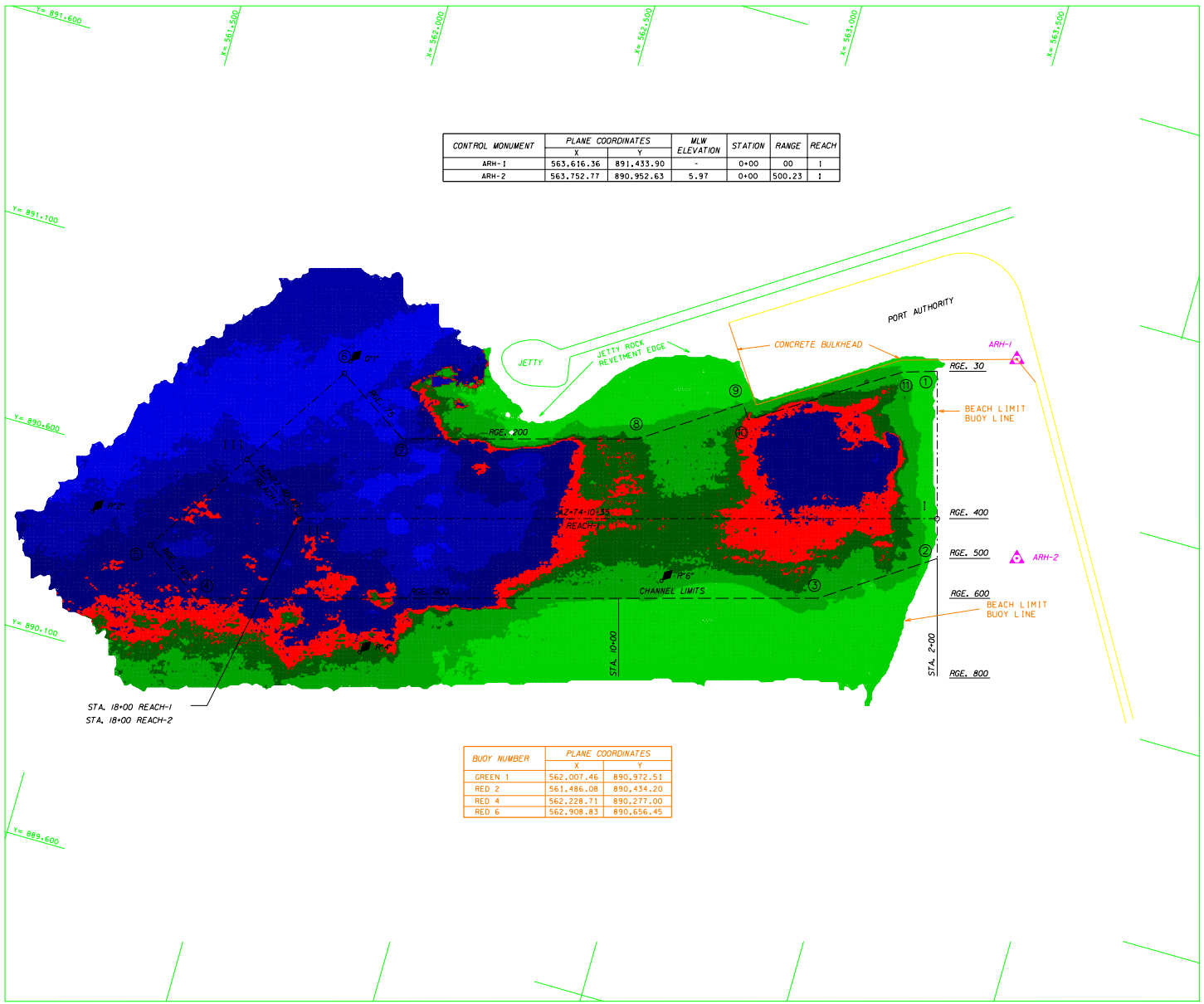
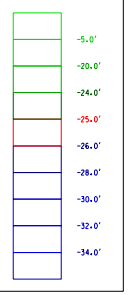
CONTROL MONUMENT	PLANE COORDINATES		MLW ELEVATION	STATION	RANGE	REACH
	X	Y				
ARH-1	563,616.36	891,433.90	-	0+00	00	1
ARH-2	563,752.77	890,952.63	5.97	0+00	500.23	1



BUOY NUMBER	PLANE COORDINATES	
	X	Y
GREEN 1	562,007.46	890,972.51
RED 2	561,486.08	890,434.20
RED 4	562,228.71	890,277.00
RED 6	562,908.83	890,656.45

LEGEND
MONUMENT
RED BUOY
GREEN BUOY

COLOR CODED CHANNEL ELEVATIONS



SCALE: 1" = 100'

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

Designed by: | Dwn by: | Ckd by: | Date: | Scale: 1:100 | Plot date: MARCH 16, 2002 | Plot scale: 1:100 | Dsnr: MARCH 2002 | D.O.FILE NO. 106-38,285

File name: 0033S3.DGN
Reference files: 0033SMAP.DGN 0033SHOR.DGN 0033SHOL.DGN 0033A1.DGN 0033A2.DGN

ARECIBO HARBOR, PUERTO RICO
PROJECT CONDITION SURVEY
25 FOOT SURVEY
PLAN VIEW

DRAWING NO.
3/3

SHEET 3 OF 3

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