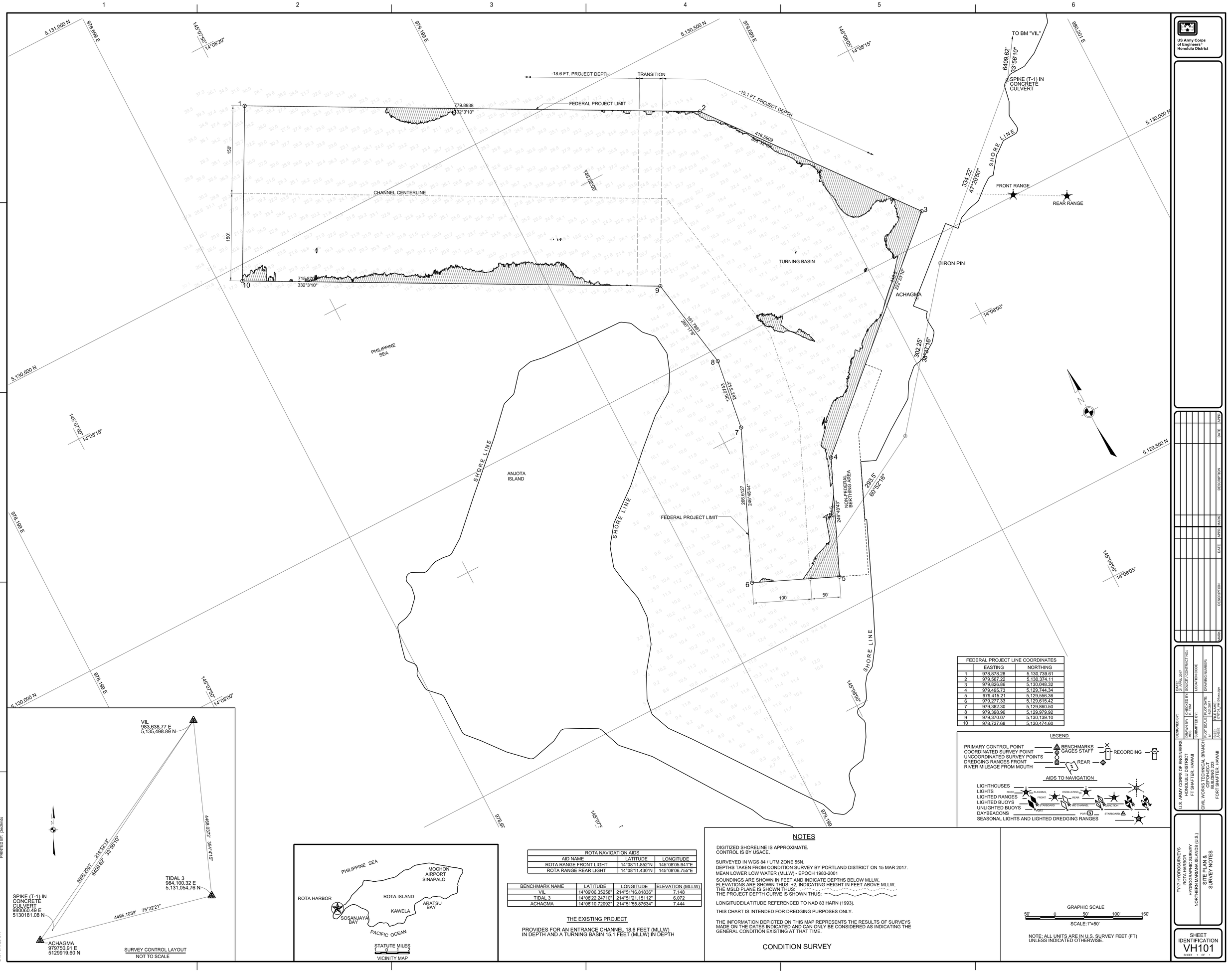

ROTA NAVIGATION AIDS		
AID NAME	LATITUDE	LONGITUDE
ROTA RANGE FRONT LIGHT	14°08'11.852"N	145°08'05.941"E
ROTA RANGE REAR LIGHT	14°08'11.430"N	145°08'06.755"E

BENCHMARK NAME	LATITUDE	LONGITUDE	ELEVATION (MLLW)
VIL	14°09'06.35258"	214°51'16.81836"	7.148
TIDAL 3	14°08'22.24710"	214°51'21.15112"	6.072
ACHAGMA	14°08'10.72092"	214°51'55.87634"	7.444

THE EXISTING PROJECT

PROVIDES FOR AN ENTRANCE CHANNEL 18.6 FEET (MLLW) IN DEPTH AND A TURNING BASIN 15.1 FEET (MLLW) IN DEPTH

FEDERAL PROJECT LINE COORDINATES		
	EASTING	NORTHING
1	978,878.28	5,130,739.61
2	979,567.22	5,130,374.11
3	979,826.86	5,130,048.32
4	979,495.73	5,129,744.34
5	979,415.21	5,129,556.36
6	979,277.33	5,129,615.42
7	979,382.30	5,129,860.50
8	979,398.96	5,129,979.92
9	979,370.07	5,130,139.10
10	978,737.68	5,130,474.60

LEGEND

PRIMARY CONTROL POINT
COORDINATED SURVEY POINT
UNCOORDINATED SURVEY POINTS
DREDGING RANGES FRONT
RIVER MILEAGE FROM MOUTH
BENCHMARKS
GAGES STAFF
RECORDING
REAR

AIDS TO NAVIGATION

LIGHTHOUSES
LIGHTS
LIGHTED RANGES
LIGHTED BUOYS
UNLIGHTED BUOYS
DAYBEACONS
SEASONAL LIGHTS AND LIGHTED DREDGING RANGES
FIXED
FLASHING
OCCULTING
FRONT
REAR
STARBOARD
PORT
ABV CHANNEL
JUNCTION

NOTES

DIGITIZED SHORELINE IS APPROXIMATE.
CONTROL IS BY USACE.

SURVEYED IN WGS 84 / UTM ZONE 55N.
DEPTHS TAKEN FROM CONDITION SURVEY BY PORTLAND DISTRICT ON 15 MAR 2017.
MEAN LOWER LOW WATER (MLLW) - EPOCH 1983-2001

SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MLLW.
ELEVATIONS ARE SHOWN THUS: +2, INDICATING HEIGHT IN FEET ABOVE MLLW.
THE MSLD PLANE IS SHOWN THUS:
THE PROJECT DEPTH CURVE IS SHOWN THUS:

LONGITUDE/LATITUDE REFERENCED TO NAD 83 HARN (1993).

THIS CHART IS INTENDED FOR DREDGING PURPOSES ONLY.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.

CONDITION SURVEY

GRAPHIC SCALE
50' 0 50' 100' 150'
SCALE:1"=50'

NOTE: ALL UNITS ARE IN U.S. SURVEY FEET (FT) UNLESS INDICATED OTHERWISE.

US Army Corps of Engineers
Honolulu District

MARK	DESCRIPTION	DATE	APPD	MARK	DESCRIPTION

DESIGNED BY:
DRAWN BY: DMP
SUBMITTED BY:
DATE: 21 APRIL 2017
CHECKED BY: SOLICIT. / CONTRACT NO.:
LOCATION CODE
PLOT SCALE: 1" = 1'
PLOT DATE: 4/21/2017
SIZE: ANSI D
FILE NAME: VH101_20170xxx.dgn
DRAWING NUMBER:

U.S. ARMY CORPS OF ENGINEERS
HONOLULU DISTRICT
FT SHAFTER, HAWAII

CIVIL WORKS TECHNICAL BRANCH
GEOPHYSICS
MILITARY PROJECTS
FORT SHAFTER, HAWAII

FY17 HYDROSURVEYS
APRA HARBOR
HYDROGRAPHIC SURVEY
NORTHERN MARIANA ISLANDS (U.S.)

SITE PLAN &
SURVEY NOTES

SHEET IDENTIFICATION
VH101
SHEET 1 OF 1

FILE: H:\mvof\FY17-HydroRota\FY13_Rota Hbr\11RT01_VH101xxx.dgn
MODEL NAME: Sheet
DATE & TIME: 4/21/2017 9:58:20 AM
LAST SAVED BY:
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PEN TABLE: BW_and_Grayscale_Pen.tbl
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