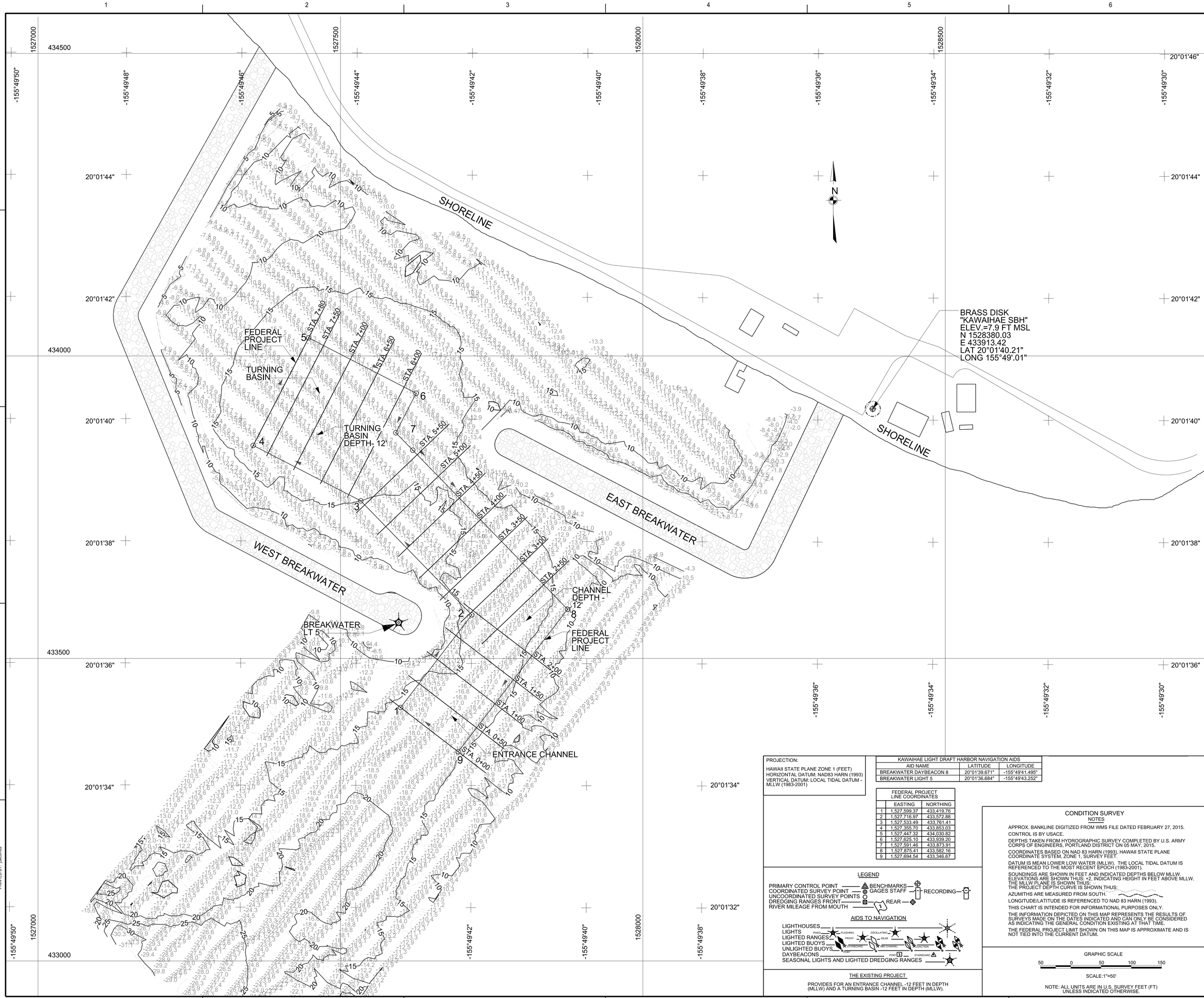

PROJECTION:

HAWAII STATE PLANE ZONE 1 (FEET)
HORIZONTAL DATUM: NAD83 HARN (1993)
VERTICAL DATUM: LOCAL TIDAL DATUM - MLLW (1983-2001)

KAWAIHAE LIGHT DRAFT HARBOR NAVIGATION AIDS		
AID NAME	LATITUDE	LONGITUDE
BREAKWATER DAYBEACON 8	20°01'39.671"	-155°49'41.495"
BREAKWATER LIGHT 5	20°01'36.684"	-155°49'43.252"

FEDERAL PROJECT LINE COORDINATES

	EASTING	NORTHING
1	1,527,599.37	433,419.76
2	1,527,716.97	433,572.88
3	1,527,533.49	433,761.41
4	1,527,355.70	433,853.03
5	1,527,447.32	434,030.82
6	1,527,625.10	433,939.20
7	1,527,591.46	433,873.91
8	1,527,875.41	433,582.16
9	1,527,694.54	433,346.67

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, OSCILLATING, FRONT, REAR, STARBOARD, PORT, MID CHANNEL, JUNCTION, PORT, STARBOARD

THE EXISTING PROJECT

PROVIDES FOR AN ENTRANCE CHANNEL -12 FEET IN DEPTH (MLLW) AND A TURNING BASIN -12 FEET IN DEPTH (MLLW).

CONDITION SURVEY
NOTES

APPROX. BANKLINE DIGITIZED FROM WMS FILE DATED FEBRUARY 27, 2015.

CONTROL IS BY USACE.

DEPTHS TAKEN FROM HYDROGRAPHIC SURVEY COMPLETED BY U.S. ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT ON 05 MAY, 2015.

COORDINATES BASED ON NAD 83 HARN (1993), HAWAII STATE PLANE COORDINATE SYSTEM, ZONE 1, SURVEY FEET.

DATUM IS MEAN LOWER LOW WATER (MLLW). THE LOCAL TIDAL DATUM IS REFERENCED TO THE MOST RECENT EPOCH (1983-2001).

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

AZUMITHS ARE MEASURED FROM SOUTH.

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

THIS CHART IS INTENDED FOR INFORMATIONAL 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.

THE FEDERAL PROJECT LIMIT SHOWN ON THIS MAP IS APPROXIMATE AND IS NOT TIED INTO THE CURRENT DATUM.

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	APPR.	MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: KKK | DATE: | DRAWN BY: KKK | CHECKED BY: | SOLICIT / CONTRACT NO.: | SUBMITTED BY: JESSICA H. PEDDICORD, P.E. | LOCATION CODE | DRAWING NUMBER: | SCALE: 1" = 50' | DATE: MM/DD/YYYY | SIZE: ANSI E | FILE NAME: VH101.dgn

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

CIVIL WORKS TECHNICAL BRANCH

KAWAIHAE SMALL BOAT HARBOR
HAWAII COUNTY
WAIMEA, ISLAND OF HAWAII

SITE PLAN, SURVEY
NOTES & SOUNDINGS
05 MAY, 2015

SHEET IDENTIFICATION
VH101
SHEET 1 OF 3

FILE: H:\proof\FY15-Hydro\Kawaihae_SBH\150V01-KAWAIHAE_VH101xsc.dgn
MODEL NAME: ANSI E
DATE & TIME: 7/23/2015 9:48:40 AM
LAST SAVED BY:
PLOTTER DEVICE: C:\Program Data\Bentley\PowerInRoads V8i (SELECTseries 4)\WorkSpace\system\drivers\pdf.pltcfg
PEN TABLE: BW_and_Grayscale_Pen.tbl
PRINTED BY: j3ecdmds