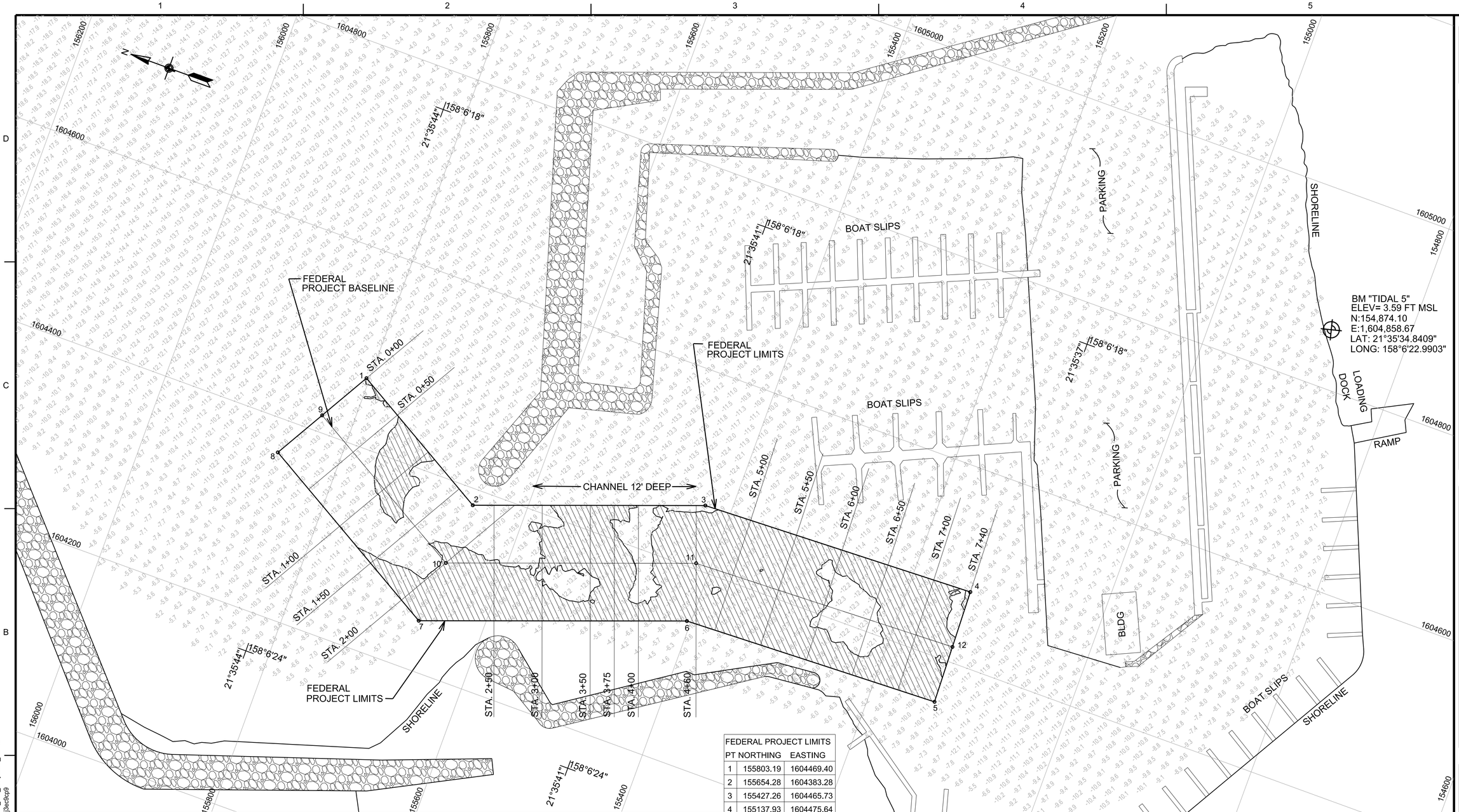

FEDERAL PROJECT LIMITS		
PT	NORTHING	EASTING
1	155803.19	1604469.40
2	155654.28	1604383.28
3	155427.26	1604465.73
4	155137.93	1604475.64
5	155133.82	1604355.71
6	155404.17	1604346.45
7	155666.00	1604251.39
8	155863.28	1604365.50

FEDERAL PROJECT B/L		
PT	NORTHING	EASTING
9	155833.23	1604417.46
10	155660.10	1604317.34
11	155415.72	1604406.10
12	155135.89	1604415.68

CUT VOLUMES:

CU FT TOTAL = 62,051

CU YD TOTAL = 2,298

LEGEND

DREDGE AREA

PRIMARY CONTROL POINT — BENCHMARKS

COORDINATED SURVEY POINT — GAGES STAFF — RECORDING

UNCOORDINATED SURVEY POINTS

DREDGING RANGES FRONT — REAR

RIVER MILEAGE FROM MOUTH

AIDS TO NAVIGATION

LIGHTHOUSES

LIGHTS — FIXED, FLASHING, OSCILLATING

LIGHTED RANGES — FRONT, REAR

LIGHTED BUOYS — STARBOARD, MID CHANNEL, JUNCTION

UNLIGHTED BUOYS — PORT

DAYBEACONS — PORT, STARBOARD

SEASONAL LIGHTS AND LIGHTED DREDGING RANGES

NOTES:

DEPTHS TAKEN FROM HYDROGRAPHIC CONDITION SURVEY USING MUTILBEAM SONAR BY PORTLAND DISTRICT ON 29 APRIL 2021. THE PORTLAND DISTRICT SURVEY WAS TRANSFORMED FROM NAD 83 HAWAII STATE PLANE ZONE 3 TO NAD83/PA11 HAWAII STATE PLANE ZONE 3 FOR ANALYSIS. DIMENSIONS ARE GIVEN IN U.S. SURVEY FEET. VERTICAL 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 INDICATE DEPTHS BELOW MLLW, 1983-2001 EPOCH. ELEVATIONS ARE SHOWN THUS +2, INDICATING HEIGHT IN FEET ABOVE MLLW.

LONGITUDE/LATITUDE IS 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.

THE EXISTING PROJECT:

PROVIDES FOR A 740' LONG ENTRANCE CHANNEL 12' DEEP AND 120' IN WIDTH.

GRAPHIC SCALE

50 0 50 100

SCALE IN FEET

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

ANSI D 22 x 34

FILE: E:\Projects\hydrosurveys\POH_APRIL_2021\Haleiwa\HALEIWA_VH101.dgn
MODEL NAME: VH-101
DATE & TIME: 8/4/2021 9:34:42 AM
LAST SAVED BY: $USER$
PLOTDRIVER: C:\ProgramData\Bentley\MicroStation V8i (SELECTseries)\WorkSpace\System\pltcfg\pdf.pltcfg
PEN TABLE: BW_and_Grayscale_Pen.tbl
PRINTED BY: jbecksp9

US Army Corps of Engineers
HONOLULU DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: | DWN BY: CP | CKD BY: | SUBMITTED BY: | PLOT SCALE: | PLOT DATE: AUTO | SIZE: ANSI D | FILE NAME: 191A01_VH101.DGN

ISSUE DATE: | SOLICIT. / CONTRACT NO.: PRECONSTRUCTION | LOCATION NO.: | FILE NUMBER:

US ARMY CORPS OF ENGINEERS
HONOLULU DISTRICT
HONOLULU, HI

CIVIL WORKS TECHNICAL BRANCH
BUILDING 230
FORT SHAFTER, HAWAII

HALEIWA SMALL BOAT HARBOR
CONDITION SURVEY
HALEIWA, ISLAND OF OAHU

SITE PLAN & SURVEY NOTES

SHEET IDENTIFICATION
VH101
SHEET 1 OF 1