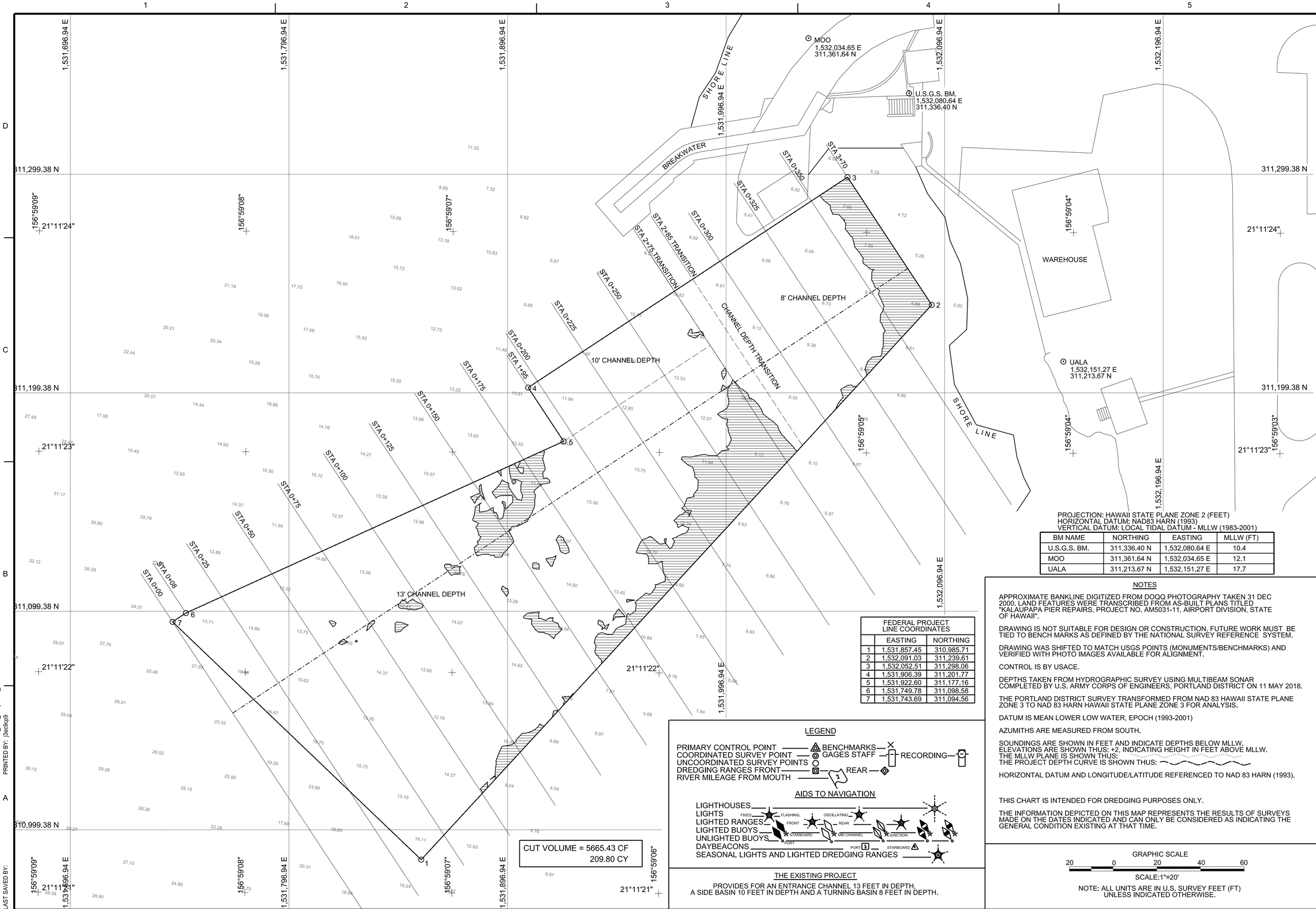

PROJECTION: HAWAII STATE PLANE ZONE 2 (FEET)
HORIZONTAL DATUM: NAD83 HARN (1993)
VERTICAL DATUM: LOCAL TIDAL DATUM - MLLW (1983-2001)

BM NAME	NORTHING	EASTING	MLLW (FT)
U.S.G.S. BM.	311,336.40 N	1,532,080.64 E	10.4
MOO	311,361.64 N	1,532,034.65 E	12.1
UALA	311,213.67 N	1,532,151.27 E	17.7

FEDERAL PROJECT LINE COORDINATES

	EASTING	NORTHING
1	1,531,857.45	310,985.71
2	1,532,091.03	311,239.61
3	1,532,052.51	311,298.06
4	1,531,906.39	311,201.77
5	1,531,922.60	311,177.16
6	1,531,749.78	311,098.58
7	1,531,743.69	311,094.56

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 13 FEET IN DEPTH, A SIDE BASIN 10 FEET IN DEPTH AND A TURNING BASIN 8 FEET IN DEPTH.

NOTES

APPROXIMATE BANKLINE DIGITIZED FROM DOQQ PHOTOGRAPHY TAKEN 31 DEC 2000. LAND FEATURES WERE TRANSCRIBED FROM AS-BUILT PLANS TITLED "KALAUPAPA PIER REPAIRS, PROJECT NO. AM5031-11, AIRPORT DIVISION, STATE OF HAWAII".

DRAWING IS NOT SUITABLE FOR DESIGN OR CONSTRUCTION. FUTURE WORK MUST BE TIED TO BENCH MARKS AS DEFINED BY THE NATIONAL SURVEY REFERENCE SYSTEM.

DRAWING WAS SHIFTED TO MATCH USGS POINTS (MONUMENTS/BENCHMARKS) AND VERIFIED WITH PHOTO IMAGES AVAILABLE FOR ALIGNMENT.

CONTROL IS BY USACE.

DEPTHS TAKEN FROM HYDROGRAPHIC SURVEY USING MULTIBEAM SONAR COMPLETED BY U.S. ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT ON 11 MAY 2018.

THE PORTLAND DISTRICT SURVEY TRANSFORMED FROM NAD 83 HAWAII STATE PLANE ZONE 3 TO NAD 83 HARN HAWAII STATE PLANE ZONE 3 FOR ANALYSIS.

DATUM IS MEAN LOWER LOW WATER, EPOCH (1993-2001)

AZUMITHS ARE MEASURED FROM SOUTH.

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

HORIZONTAL DATUM AND 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.

GRAPHIC SCALE
20 0 20 40 60
SCALE:1"=20'

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.

ISSUE DATE:
SOLICIT. / CONTRACT NO.:
LOCATION NO.:
FILE NUMBER:
DESIGNED BY: J. PODOSKI
DWN BY: CEP
CKD BY: SM
SUBMITTED BY: THOMAS D. SMITH, P.E.
PLOT DATE:
PLOT SCALE:
SIZE: ANSI D
FILE NAME: 18KP01VH101.DGN

U.S. ARMY CORPS OF ENGINEERS
HONOLULU DISTRICT
HONOLULU, HI

CIVIL WORKS TECHNICAL BRANCH
BUILDING 230
FORT SHAFTER, HAWAII

KALAUPAPA SMALL BOAT HARBOR
MAINTENANCE DREDGING
MOLOKAI, HAWAII

SITE PLAN &
SURVEY NOTES

SHEET IDENTIFICATION
VH101
SHEET 1 OF 4

ANSI D 22 x 34

FILE: pw:\\COE-POHPW\P08FTS.poh.ds.usace.army.mil\Documents\Civil Works\Molokai\Kalaupapa SBH\2018 HydroSurveys\18KP01 - FY18 Kalaupapa Small Boat Harbor Maintenance Dredging\CAD_BIM_Sheets\18KP01_VH101
MODEL NAME: VH101
DATE & TIME: 7/6/2018 2:39:08 PM
LAST SAVED BY:
PLOTDRIVER: C:\ProgramData\Bentley\MicroStation V8i (SELECTseries)\WorkSpace\System\pltcfg\pdf.pltcfg
PEN TABLE: BW_and_Grayscale_Pen.tbl
PRINTED BY: j3es3cgp9