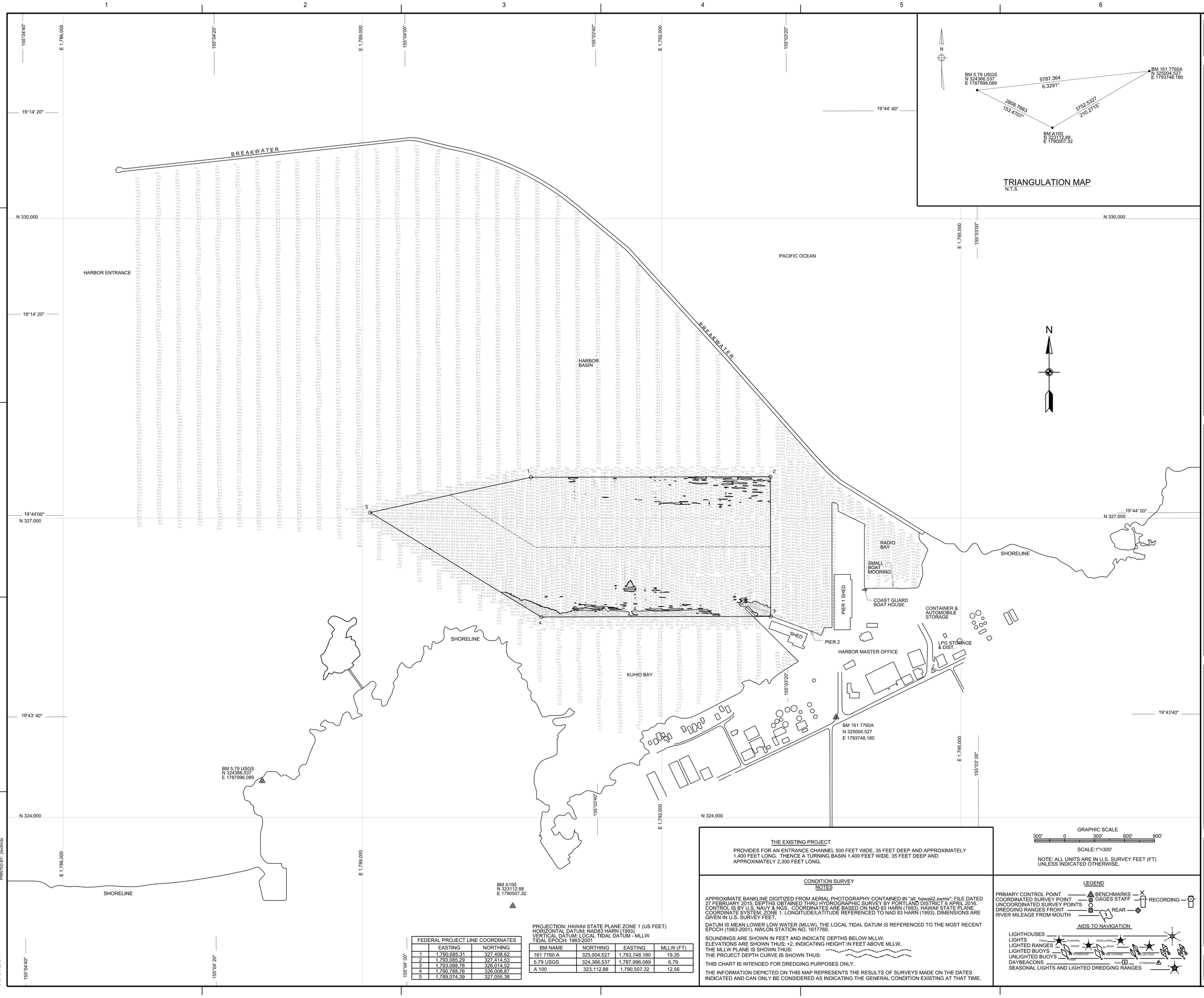


US Army Corps of Engineers
Honolulu District

| NO. | DESCRIPTION | DATE | APPR. | MARK |
|---|---|---|---|---|
| | | | | |

| NO. | DESCRIPTION | DATE | MARK |
|---|---|---|---|
| | | | |

DESIGNED BY:
DRAWN BY: MB
CHECKED BY:
SUBMITTED BY:
SCALE: AS SHOWN
SHEET SIZE: 36"x24"
DATE: SEPTEMBER 09, 2016
SOLICIT./CONTRACT NO.:
LOCATION CODE
PLOT DATE: 9/15/2016
DRAWING NUMBER:
FILE NAME: H:\mod\PY16\Hydro\Hlo_dgn\VH101xxx_pgnt-desdge_20160912_mds.dgn

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

CIVIL WORKS TECHNICAL BRANCH
CEPOH-EC-T
BUILDING T-223
FORT SHAFTER, HAWAII

FY16 HYDROSURVEYS
HILO HARBOR
HYDROGRAPHIC SURVEY
HILO, HAWAII

SITE PLAN & SURVEY NOTES

SHEET IDENTIFICATION
VH101
SHEET OF

| FEDERAL PROJECT LINE COORDINATES | | |
|---|---|---|
| | EASTING | NORTHING |
| 1 | 1,790,685.31 | 327,408.62 |
| 2 | 1,793,085.29 | 327,414.53 |
| 3 | 1,793,088.76 | 326,014.52 |
| 4 | 1,790,788.76 | 326,008.87 |
| 5 | 1,789,074.39 | 327,055.38 |

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

| BM NAME | NORTHING | EASTING | MLLW (FT) |
|---|---|---|---|
| 161 7760 A | 325,004.527 | 1,793,748.180 | 19,35 |
| 5,79 USGS | 324,366.537 | 1,787,996.089 | 6,79 |
| A 100 | 323,112.88 | 1,790,507.32 | 12.56 |

THE EXISTING PROJECT

PROVIDES FOR AN ENTRANCE CHANNEL 500 FEET WIDE, 35 FEET DEEP AND APPROXIMATELY 1,400 FEET LONG. THENCE A TURNING BASIN 1,400 FEET WIDE, 35 FEET DEEP AND APPROXIMATELY 2,300 FEET LONG.

CONDITION SURVEY NOTES

APPROXIMATE BANKLINE DIGITIZED FROM AERIAL PHOTOGRAPHY CONTAINED IN "all_hawaii2.xwms"; FILE DATED 27 FEBRUARY 2015. DEPTHS OBTAINED THRU HYDROGRAPHIC SURVEY BY PORTLAND DISTRICT 6 APRIL 2016. CONTROL IS BY U.S. NAVY & NGS. COORDINATES ARE BASED ON NAD 83 HARN (1993), HAWAII STATE PLANE COORDINATE SYSTEM, ZONE 1, LONGITUDE/LATITUDE REFERENCED TO NAD 83 HARN (1993). DIMENSIONS ARE GIVEN IN U.S. SURVEY FEET.

DATUM IS MEAN LOWER LOW WATER (MLLW). THE LOCAL TIDAL DATUM IS REFERENCED TO THE MOST RECENT EPOCH (1983-2001). NWLON STATION NO. 1617760.

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:

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.

LEGEND

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

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
JUNCTION
PORT, STARBOARD

FILE: H:\mod\PY16\Hydro\Hlo_DDH16\HLD01_VH101xxx_pgnt-desdge_20160912_mds.dgn
PLOTDRIVER: C:\Program Data\Bentley\PowerInRoads V8i (SELECTseries 4)\WorkSpace\System\drv\pdf.drvg
PEN TABLE: BW_and_Greyscale_Pen.tbl
PRINTED BY: jbac9mds
MODEL NAME: Sheet
DATE & TIME: 9/16/2016 10:08:02 AM
LAST SAVED BY: