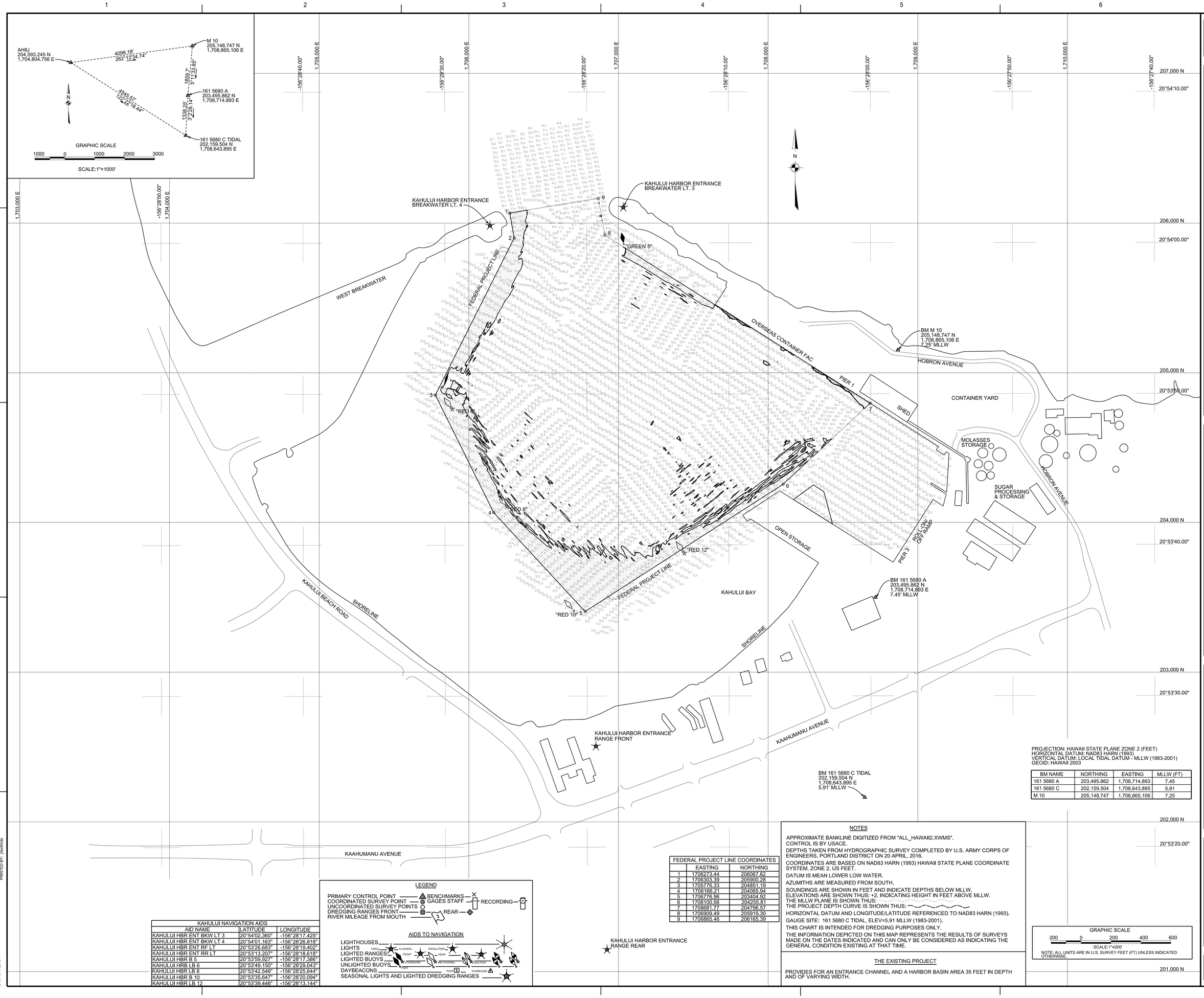


PROJECTION: HAWAII STATE PLANE ZONE 2 (FEET)
HORIZONTAL DATUM: NAD83 HARN (1993)
VERTICAL DATUM: LOCAL TIDAL DATUM - MLLW (1983-2001)
GEOID: HAWAII 2003

| BM NAME | NORTHING | EASTING | MLLW (FT) |
|---|---|---|---|
| 161 5680 A | 203,495.862 | 1,708,714.893 | 7.45 |
| 161 5680 C | 202,159.504 | 1,708,643.895 | 5.91 |
| M 10 | 205,148.747 | 1,708,865.106 | 7.25 |

| FEDERAL PROJECT LINE COORDINATES | | |
|---|---|---|
| | EASTING | NORTHING |
| 1 | 1706273.44 | 206067.62 |
| 2 | 1706303.39 | 205900.28 |
| 3 | 1705776.33 | 204851.19 |
| 4 | 1706166.21 | 204065.94 |
| 5 | 1706776.96 | 203404.92 |
| 6 | 1708100.56 | 204255.81 |
| 7 | 1708681.77 | 204796.57 |
| 8 | 1706909.49 | 205919.30 |
| 9 | 1706865.46 | 206165.39 |

## NOTES

APPROXIMATE BANKLINE DIGITIZED FROM "ALL_HAWAII2.XWMS".
CONTROL IS BY USACE.
DEPTHS TAKEN FROM HYDROGRAPHIC SURVEY COMPLETED BY U.S. ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT ON 20 APRIL, 2016.
COORDINATES ARE BASED ON NAD83 HARN (1993) HAWAII STATE PLANE COORDINATE SYSTEM, ZONE 2, US FEET.
DATUM IS MEAN LOWER LOW WATER.
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 NAD83 HARN (1993).
GAUGE SITE: 161 5680 C TIDAL, ELEV=5.91 MLLW (1983-2001).
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 AN ENTRANCE CHANNEL AND A HARBOR BASIN AREA 35 FEET IN DEPTH AND OF VARYING WIDTH.

## 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, RED CHANNEL, JUNCTION, PORT, STARBOARD

| KAHULUI NAVIGATION AIDS | | |
|---|---|---|
| AID NAME | LATITUDE | LONGITUDE |
| KAHULUI HBR ENT BKW LT 3 | 20°54'02.360" | -156°28'17.425" |
| KAHULUI HBR ENT BKW LT 4 | 20°54'01.163" | -156°28'26.818" |
| KAHULUI HBR ENT RF LT | 20°53'26.683" | -156°28'19.402" |
| KAHULUI HBR ENT RR LT | 20°53'13.207" | -156°28'18.618" |
| KAHULUI HBR B 5 | 20°53'59.927" | -156°28'17.386" |
| KAHULUI HRB LB 6 | 20°53'49.150" | -156°28'29.043" |
| KAHULUI HBR LB 8 | 20°53'42.546" | -156°28'25.644" |
| KAHULUI HBR B 10 | 20°53'35.647" | -156°28'20.094" |
| KAHULUI HBR LB 12 | 20°53'39.446" | -156°28'13.144" |

GRAPHIC SCALE
200 0 200 400 600
SCALE:1"=200'
NOTE: ALL UNITS ARE IN U.S. SURVEY FEET (FT) UNLESS INDICATED OTHERWISE.

US Army Corps of Engineers

| MARK | DESCRIPTION | DATE | APPR | MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|---|---|---|---|

DESIGNED BY: | DATE:
DRAWN BY: | CHECKED BY: | SOLICIT./CONTRACT NO.:
SUBMITTED BY: | LOCATION CODE
PLOT SCALE: AS SHOWN | PLOT DATE: 9/27/2016 | DRAWING NUMBER:
SIZE: E | REV: | FILE NAME: H:\Hon\PY16\Kahului_DD\H\POST\DREDGE\16KO01-Kahului_VH101.xxx.dgn

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

CIVIL WORKS TECHNICAL BRANCH
DEPCH-EC-T
BUILDING 230
FORT SHAFTER, HAWAII

FY16 HYDROSURVEYS
KAHULUI DEEPDRAFT HARBOR
HYDROGRAPHIC SURVEY
MAUI, HAWAII

SITE PLAN & SURVEY NOTES

SHEET IDENTIFICATION
VH101
SHEET 1 OF 1

FILE: H:\Hon\PY16\Kahului_DD\H\POST\DREDGE\16KO01-Kahului_VH101.xxx.dgn
MODEL NAME: Sheet
DATE & TIME: 9/27/2016 5:32:20 PM
LAST SAVED BY:
PLOTDRIVER: C:\Program Data\Bentley\PowerInRoads V8i (SELECTseries 4)\WorkSpace\System\pltcfg\pdf.pltcfg
PEN TABLE: BW_and_Greyscale_Pen.tbl
PRINTED BY: jbacdmds