



FILE: H:\mcs\fy15\hawaii\hawaii\_LDM\HSD001\_VH101.dwg  
 PLOTDRIVER: C:\ProgramData\Bentley\PowerRoads\16 (SELECT)tools\4\WorkSpaceSystem\pddr\pddr.exe  
 MODEL NAME: ANSIE  
 DATE & TIME: 8/20/2015 11:54:31 PM  
 PLOT TABLE: BM\_and\_Geysersale\_Pen.dwg  
 PRINTED BY: jacobson

FEDERAL PROJECT LINE COORDINATES	EASTING	NORTHING
1	1458603.98	303749.29
2	1458226.92	304175.02
3	1458481.16	303709.73
4	1458495.41	303581.52
5	1449207.57	303293.88
6	1449226.26	303374.14
7	1458393.43	303743.38
8	1458298.21	303591.47
9	1458193.82	30320.54
10	1458856.18	303621.22

CUT VOLUME= 3640 YD<sup>3</sup>

**THE EXISTING PROJECT:**  
 PROVIDES FOR AN ENTRANCE CHANNEL 20 FEET DEEP AT THE OUTER END AND 15 FEET DEEP AT THE INNER END, AND A MARK ACCESS CHANNEL 15 FEET DEEP AT THE OUTER END AND 12 FEET DEEP AT THE INNER END.

**NOTES:**  
 DEPTHS TAKEN FROM HYDROGRAPHIC CONDITION SURVEY BY PORTLAND DISTRICT ON 07 MAY 2015. COORDINATES BASED ON NAD 83 HARN (1983) HAWAII STATE PLANE COORDINATE SYSTEM ZONE 1. 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.  
 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.  
 FEDERAL PROJECT LIMITS WERE OBTAINED FROM CONDITION SURVEY BY PORTLAND DISTRICT APRIL 1979. LIMITS WERE ORIGINALLY IN OLD HAWAIIAN STATE PLANE ZONE 2. SURVEY FEET BASED OFF OF BENCHMARK "PUU PEHE" AND REPROJECTED TO NAD 83 HARN (1983) STATE PLANE 1. SURVEY FEET.

**LEGEND**

- PRIMARY CONTROL POINT
- COORDINATED SURVEY POINT
- UNCOORDINATED SURVEY POINT
- DREDGING RANGES FRONT
- DREDGING RANGES REAR
- BENCHMARKS
- GAGES STAFF
- RECORDING

**AIDS TO NAVIGATION**

- LIGHTHOUSES
- LIGHTS
- LIGHTED RANGES
- LIGHTED BUOYS
- UNLIGHTED BUOYS
- DAYBEACONS
- SEASONAL LIGHTS AND LIGHTED DREDGING RANGES

**GRAPHIC SCALE**

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

REVISION BY:	DATE:	DESCRIPTION:

DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS  
 DRAWN BY: HONOLULU DISTRICT  
 CHECKED BY: FT SHIFTER, HAWAII  
 SUBMITTED BY: LOCATION CODE  
 SCALE: DRAWING NUMBER: CIVIL WORKS TECHNICAL BRANCH 17-49  
 FILE NAME: HAWAII-17-49.dwg  
 SIZE: 17MB

DATE: 07 MAY 2015  
 PROJECT: FY15 HYDROSURVEYS  
 LOCATION: HONOLULU HARBOR  
 SHEET: 1 OF 4  
 SHEET IDENTIFICATION: VH101