THE EXISTING PROJECT

PROVIDES FOR AN ENTRANCE CHANNEL 12 FEET DEEP, 360 FEET IN LENGTH AND AN APPROXIMATE WIDTH OF 150 FEET; THENCE, A MAIN ACCESS CHANNEL AND MANEUVERING AREA OF 8 FEET IN DEPTH, 680 FEET IN LENGTH, AND OF VARYING WIDTH.

LEGEND

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

AIDS TO NAVIGATION

LIGHTHOUSES
LIGHTS — FIXED — FLASHING — OCCULTING
LIGHTED RANGES — FRONT — REAR
LIGHTED BUOYS — STARBOARD — MID CHANNEL — JUNCTION
UNLIGHTED BUOYS
DAYBEACONS — PORT — STARBOARD
SEASONAL LIGHTS AND LIGHTED DREDGING RANGES

NOTES

DIGITIZED BANKLINE IS APPROXIMATE.
CONTROL IS BY USACE.
COORDINATES ARE BASED ON HAWAII STATE PLANE COORDINATE SYSTEM NAD27 ZONE 3.
DATUM IS MEAN LOWER LOW WATER.

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:

LONGITUDE/LATITUDE REFERENCED TO NAD 83.

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.

CONDITION SURVEY

FEDERAL PROJECT LINE COORDINATES		
	EASTING	NORTHING
1	424150.49	149906.15
2	423886.31	150060.56
3	423886.07	149929.17
4	423609.29	149846.36
5	423481.82	149668.30
6	423394.00	149594.82
7	423301.33	149657.71
8	423367.03	149454.94
9	423439.35	149524.01
10	423481.22	149527.25
11	423799.66	149890.39
12	423864.61	149897.37
13	424030.36	149800.49

MANELE HARBOR NAVIGATION AIDS		
AID NAME	LATITUDE	LONGITUDE
Manele Green "1"	20-44-33.338N	156-53-11.751W
Manele Red "2"	20-44-34.006N	156-53-11.102W
Manele Red "4"	20-44-34.936N	156-53-12.231W
Manele Red "6"	20-44-34.459N	156-53-13.621W
Manele Red "8"	20-44-33.332N	156-53-11.754W
Manele "Rock"	20-44-31.431N	156-53-16.924W
Manele Bay BW Light	20-44-33.139N	156-53-12.384W

(*Plots Off-Chart)

U.S. ARMY ENGINEER DISTRICT, HONOLULU
CORPS OF ENGINEERS - HONOLULU, HAWAII
LANAI, HAWAII

MANELE HARBOR

28 JULY 2003

SCALE IN FEET
40 0 40 80 120

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

SUBMITTED
CHIEF, HYDROGRAPHIC SURVEYS
RECOMMENDED
CHIEF, WATERWAYS MAINTENANCE SECTION
SURVEYED: LAE PLOTTED: MLA CHECKED: CAL

APPROVED
OPERATIONS MANAGER, CHANNELS AND HARBORS

HA-204-133