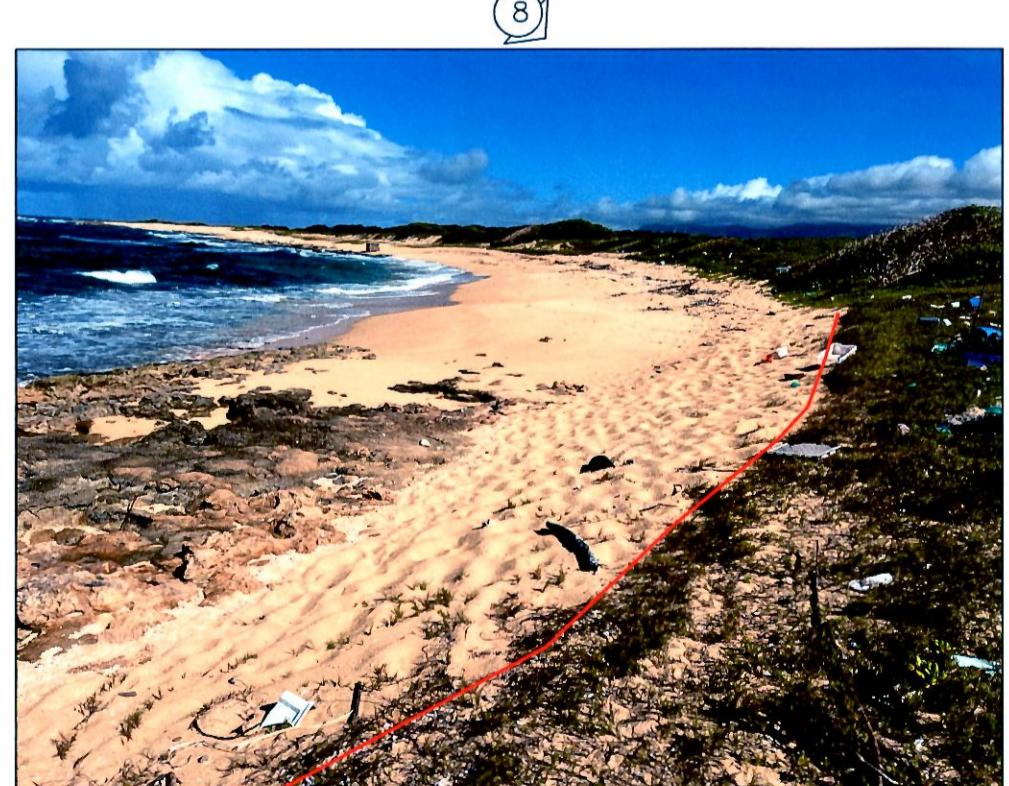
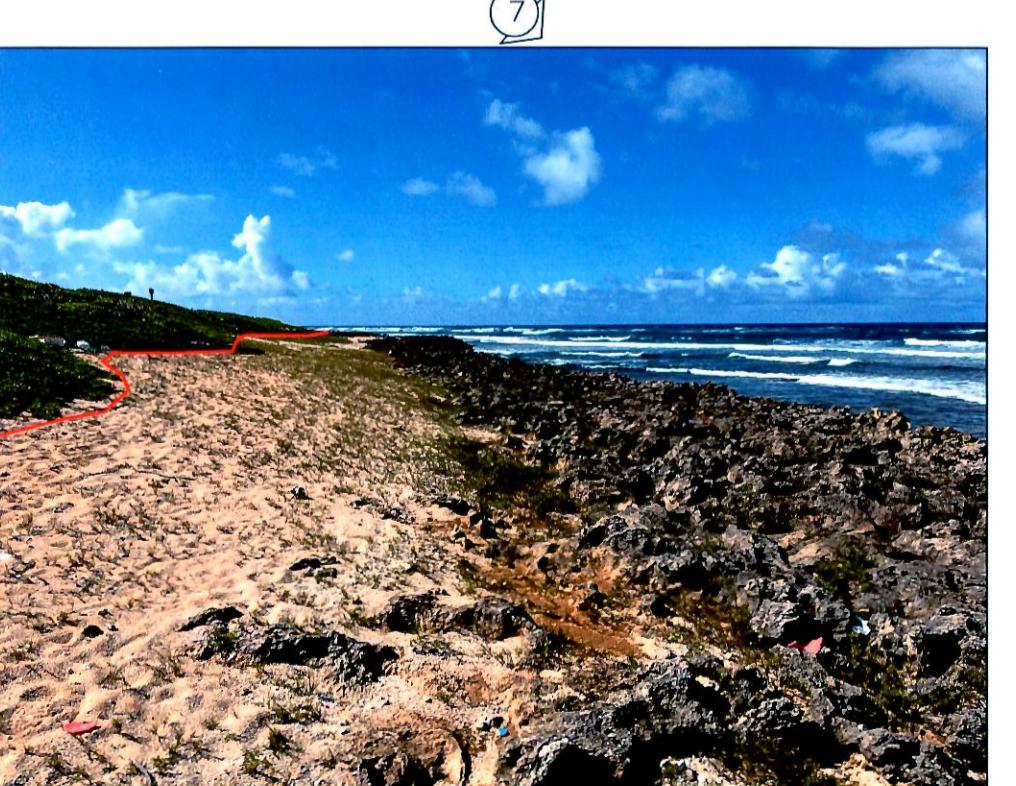
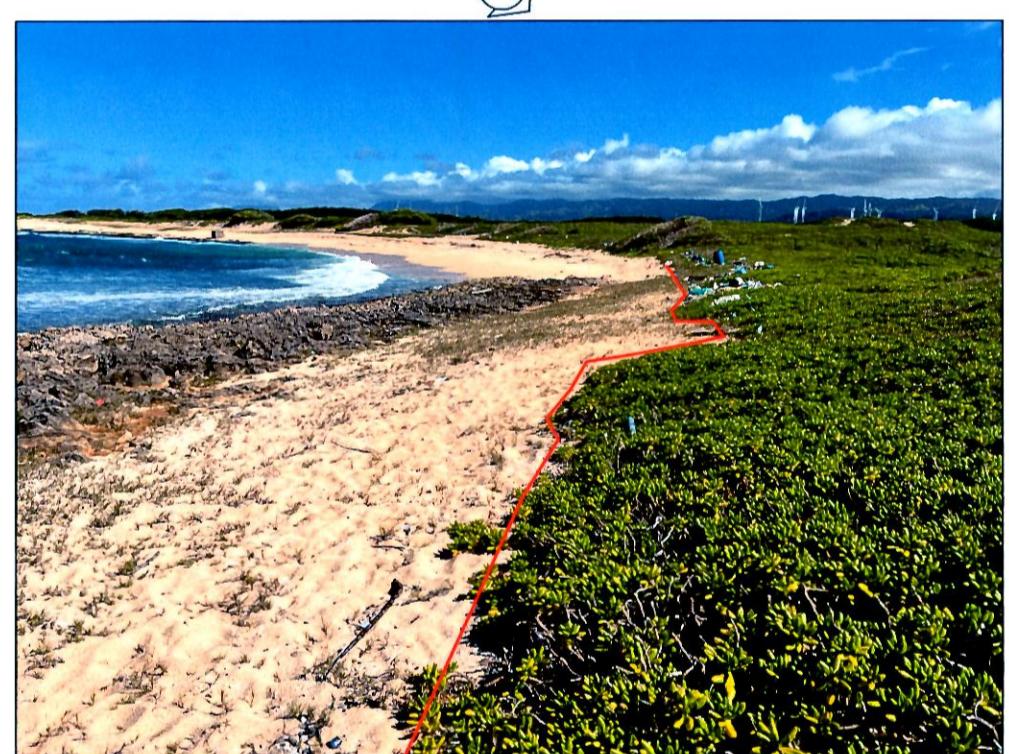
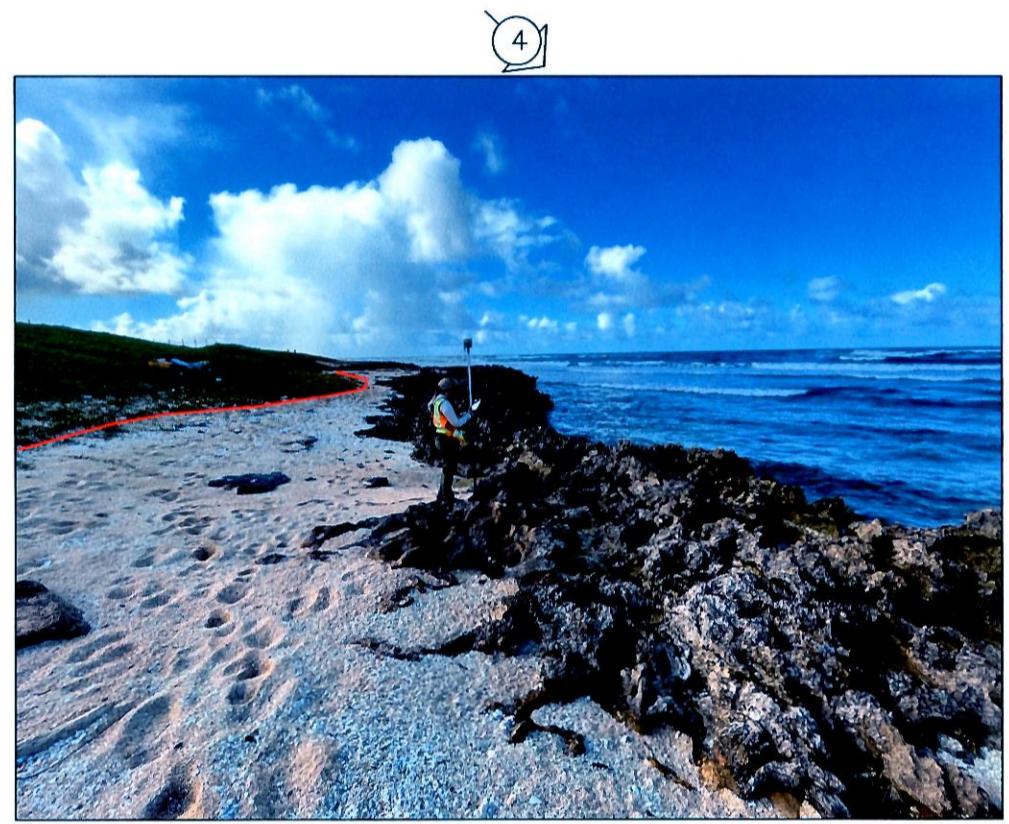
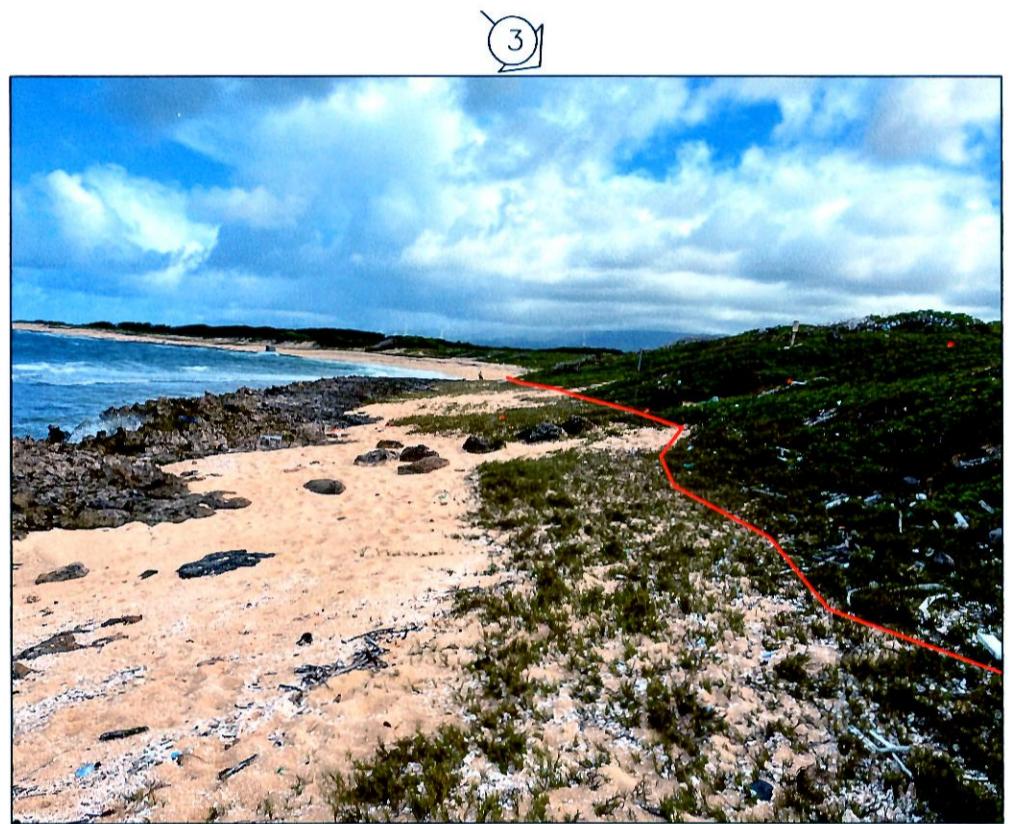
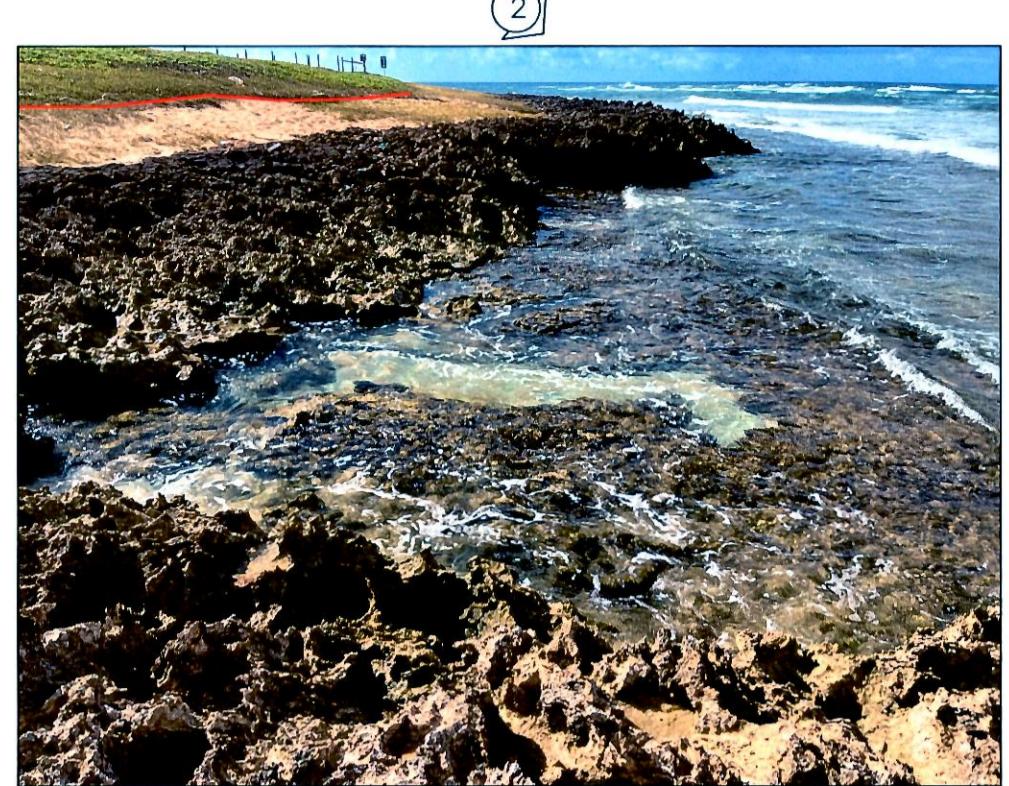
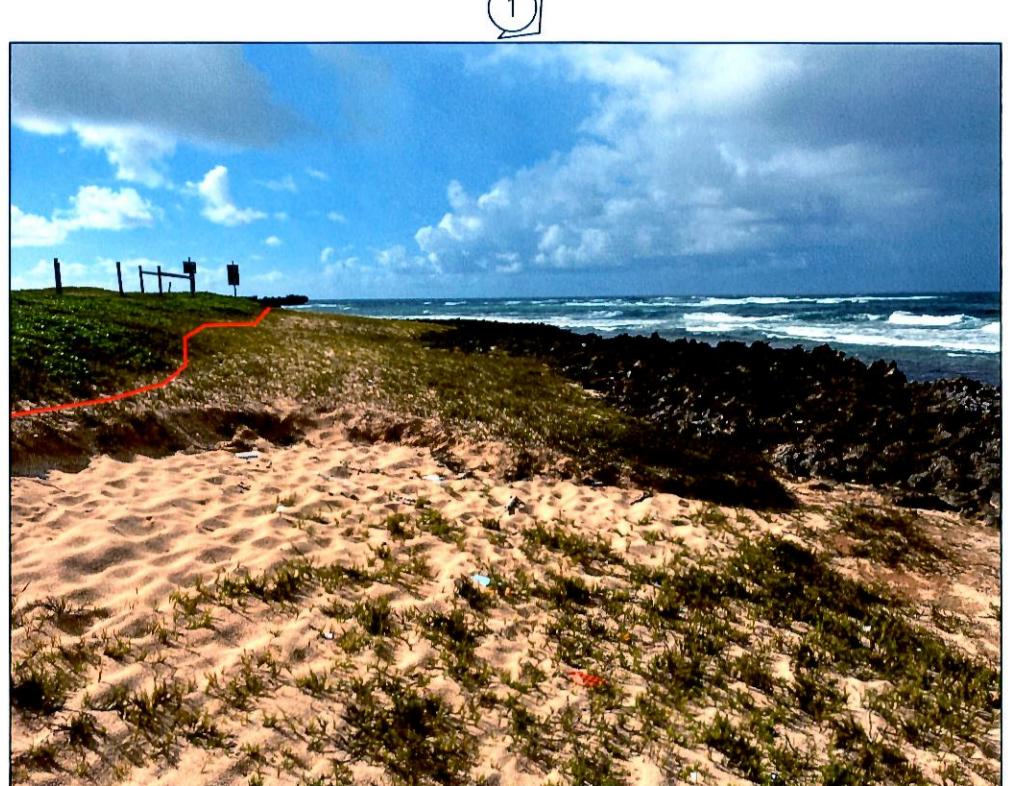


PHOTOGRAPHS TAKEN ON MAY 22, 2025 AT 2:00 P.M.



SHORELINE SURVEY MAP

USFWS TRACT (16b)

BEING A PORTION OF LOT 28

AS SHOWN ON LAND COURT APPLICATION MAP 1095 MAP 4

DATED MAY 30, 2006

BEING PORTIONS OF DEED KAMEHAMEHA III TO CHARLES GORDON HOPKINS
DATED SEPTEMBER 10, 1851

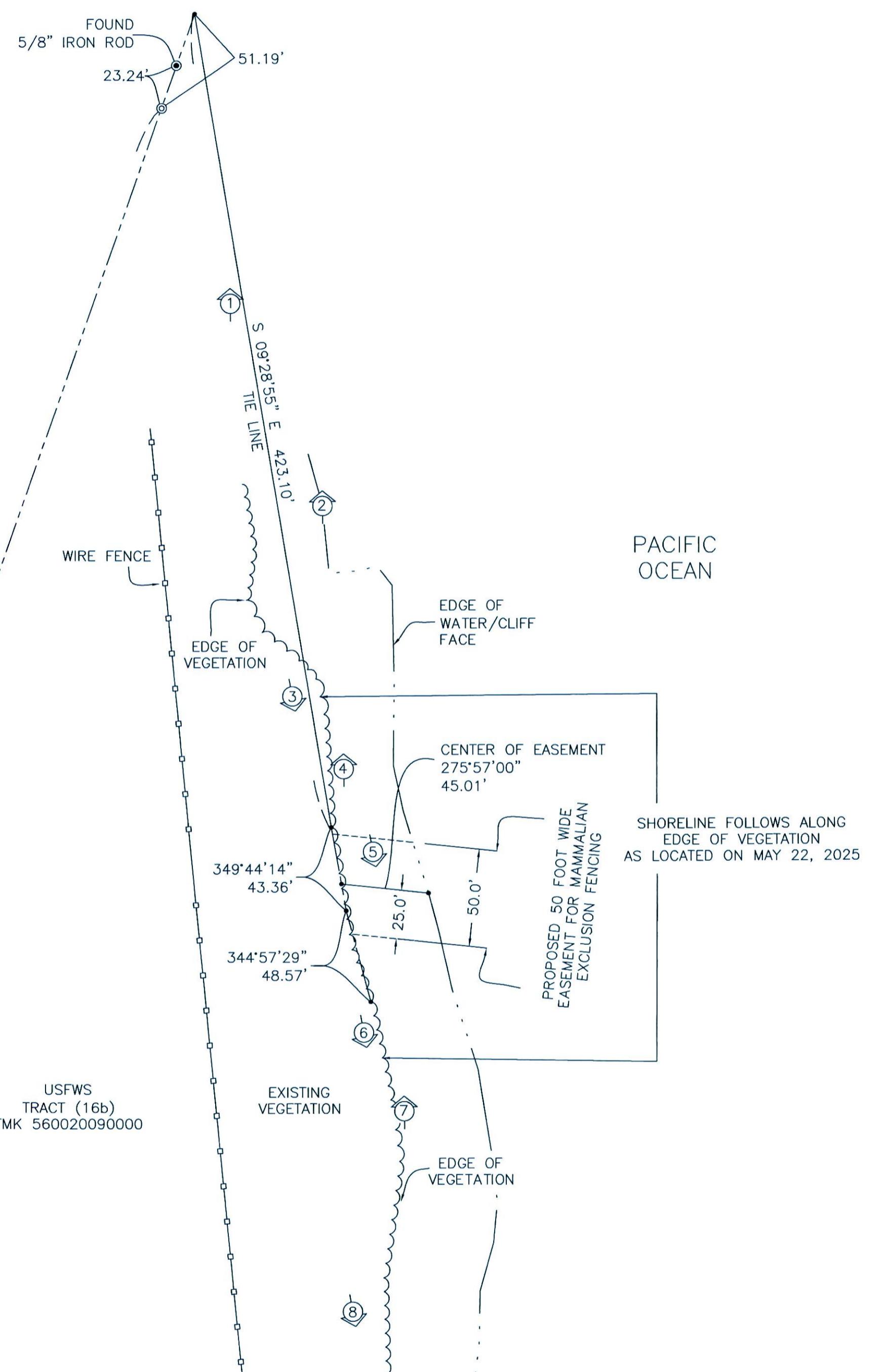
Tax Map Key: (OAHU) 5-6-002-009

AT KAHUKU, KOOLAUOLA, HONOLULU, OAHU, HAWAII

Fee Owner: U.S.A./U.S. FISH AND WILDLIFE SERVICE

Address: 56-1069 KAMEHAMEHA HWY

HONOLULU, HAWAII



0 50 100
SCALE: 1IN. = 50FT.

LEGEND:
 • CALCULATED POINT
 ● FOUND 5/8" IRON ROD
 ○ FOUND 1/2" IRON PIPE
 ✕ FOUND 3" ALUMINUM DISC "USFWS"

SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR
UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS
OF THE SURVEY RECORDING AT THE REQUEST OF JAMES
CAMPBELL NATIONAL WILDLIFE REFUGE, THIS 26TH DAY OF
NOVEMBER 2025.

THIS SURVEY WAS PREPARED UNDER FEDERAL AUTHORITY AND IS
EXEMPT FROM LICENSURE PER HI REV STAT § 464-3 (2024).

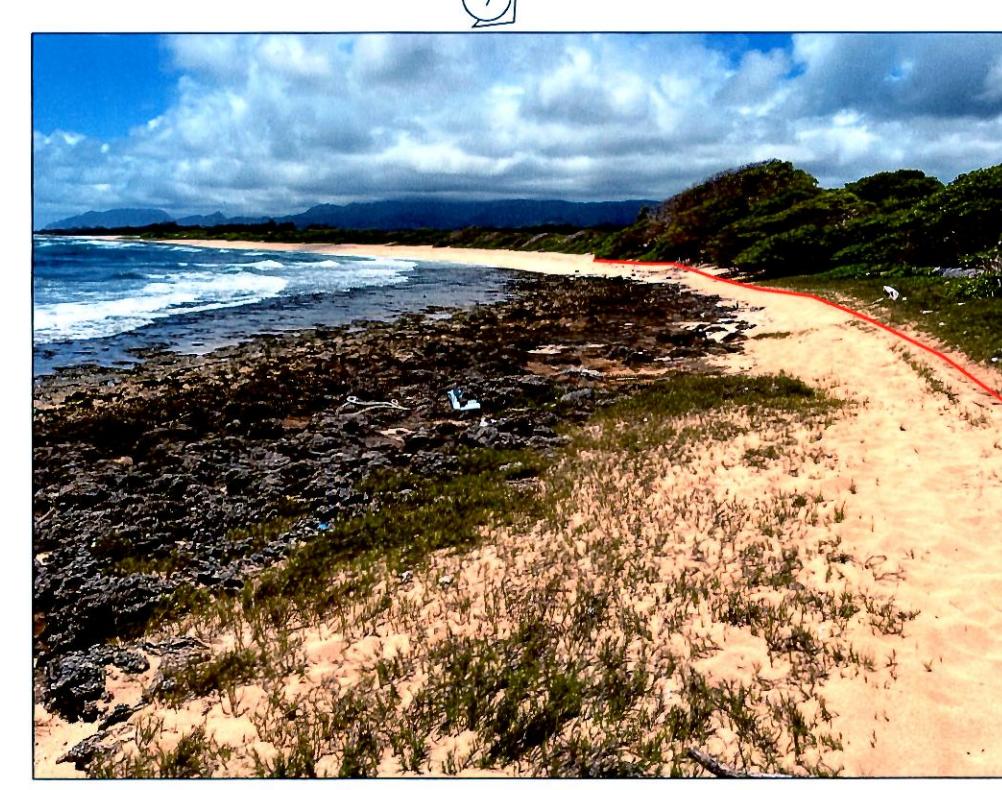
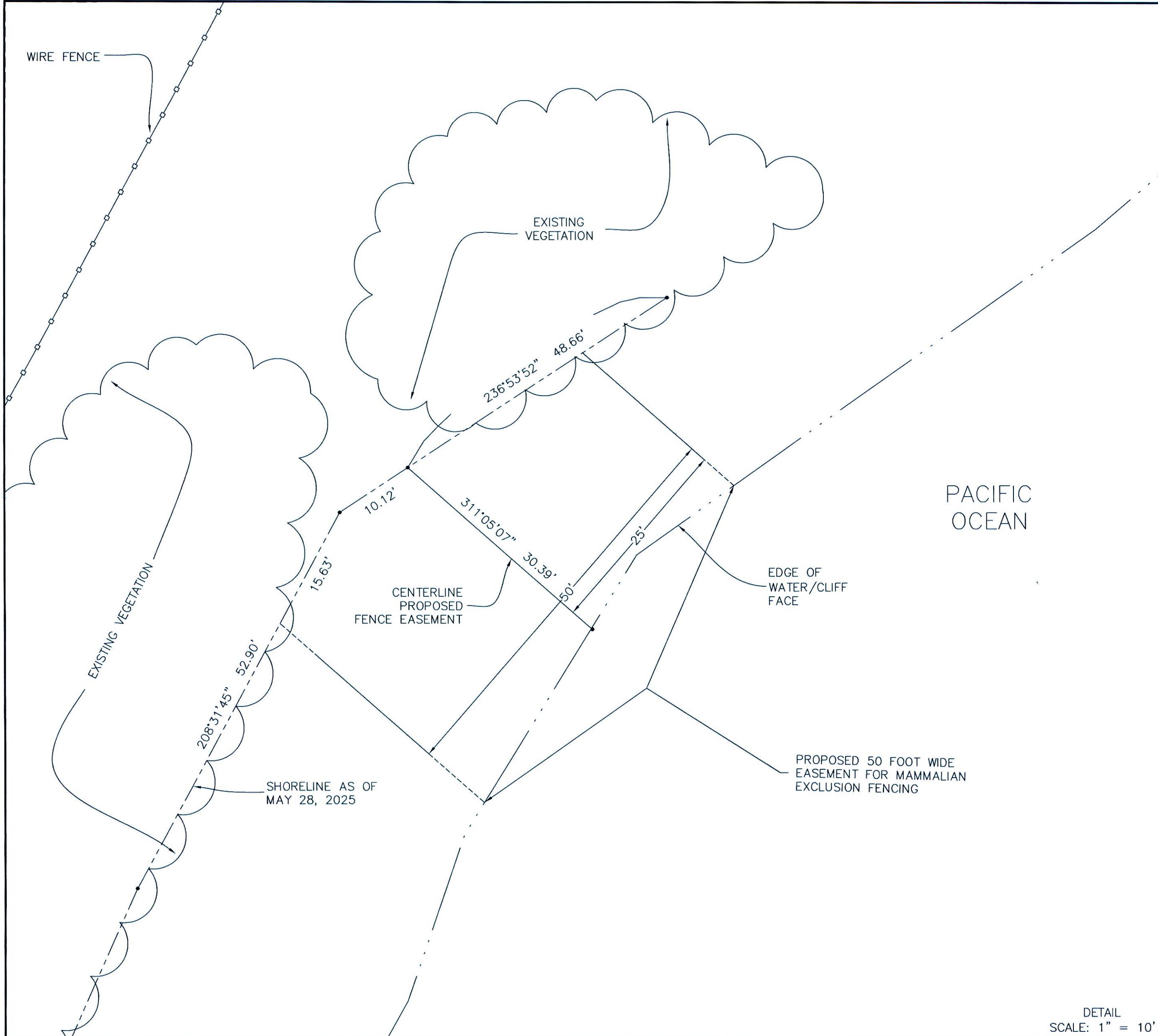
Kirk W. Norton
USFWS REGIONAL LAND SURVEYOR

U.S. FISH & WILDLIFE SERVICE
PACIFIC REGION
DIVISION OF REALTY
911 NE 11TH AVENUE
PORTLAND, OR, 97267

SHORELINE SURVEY MAP
JAMES CAMPBELL NATIONAL WILDLIFE REFUGE
HONOLULU COUNTY, O'AHU, HAWAII
DRAWN BY: K.W.N./A.L.M. SCALE: 1" = 50' SHEET
CHECKED: K.A.M. DATE: NOVEMBER 2025 1 OF 1

NARRATIVE:

1. THE PURPOSE OF THIS SURVEY IS TO ESTABLISH A 50 FOOT WIDE RIGHT-OF-WAY ACROSS PUBLIC BEACH PROPERTY FOR THE PURPOSE OF CONSTRUCTING A MAMMALIAN EXCLUSION FENCE FOR THE PROTECTION OF NESTING BIRDS AND OTHER ANIMALS WITHIN THE JAMES CAMPBELL NATIONAL WILDLIFE REFUGE.
2. THERE WILL BE A PUBLIC GATE ALONG MAMMALIAN EXCLUSION FENCE TO ALLOW FOR PUBLIC ACCESS TO THE BEACH.
3. DIRECTION OF PHOTOGRAPHS TAKEN ON (1)
MAY 22, 2025
AT 2:00 P.M.
4. RED LINE IN PHOTOS INDICATE LOCATED SHORELINE.
5. SHORELINE AS SHOWN IS SUBJECT TO FINAL CERTIFICATION BY THE DEPARTMENT OF LAND AND NATURAL RESOURCES AS RECOMMENDED BY THE HAWAII STATE SURVEYOR.

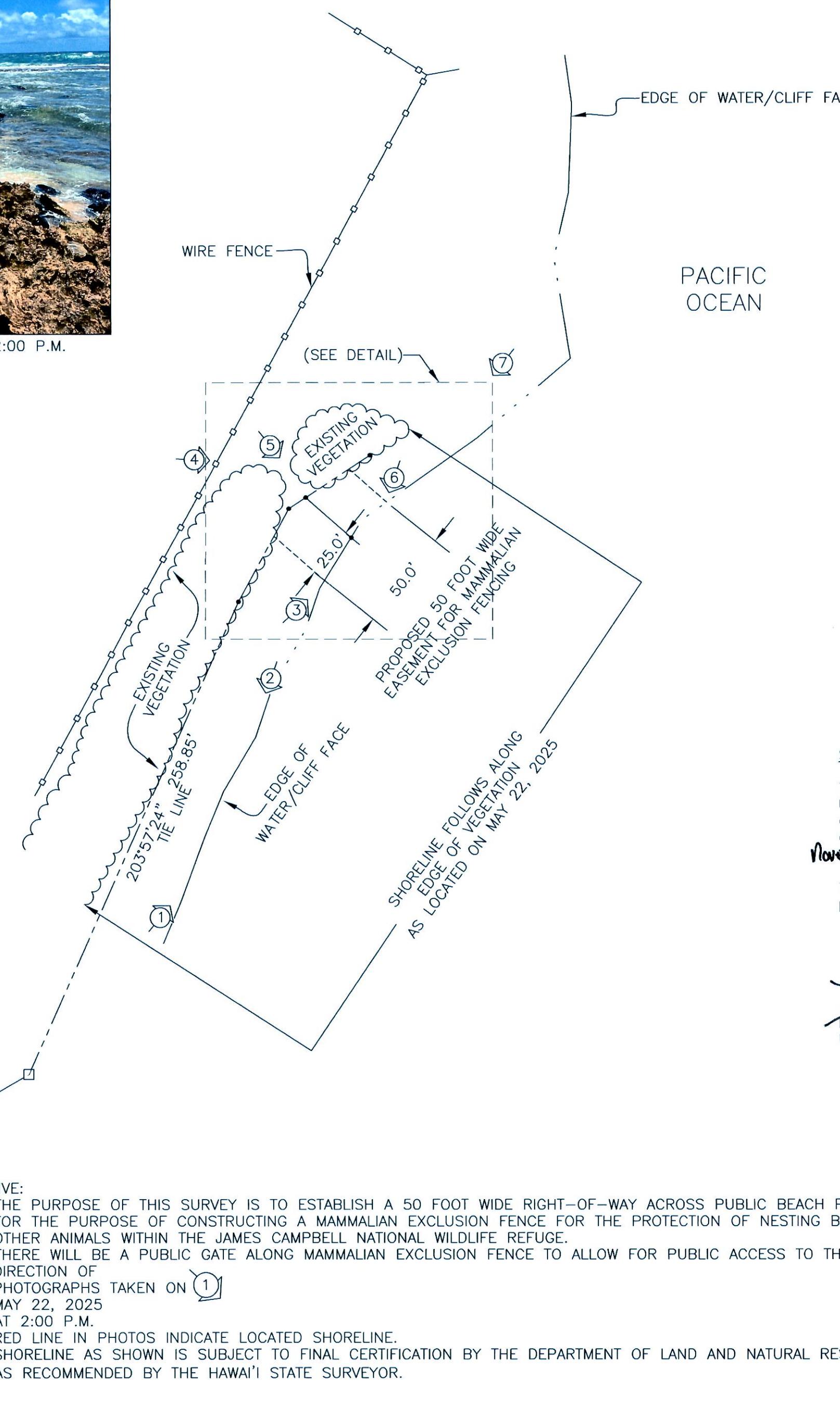


PHOTOGRAPHS TAKEN ON MAY 22, 2025 AT 2:00 P.M.



PHOTOGRAPHS TAKEN ON MAY 22, 2025 AT 2:00 P.M.

PIN FLAGS SHOW CENTERLINE OF PROPOSED 50 FT
WIDE EASEMENT FOR MAMMALIAN EXCLUSION FENCE



NARRATIVE:

1. THE PURPOSE OF THIS SURVEY IS TO ESTABLISH A 50 FOOT WIDE RIGHT-OF-WAY ACROSS PUBLIC BEACH PROPERTY FOR THE PURPOSE OF CONSTRUCTING A MAMMALIAN EXCLUSION FENCE FOR THE PROTECTION OF NESTING BIRDS AND OTHER ANIMALS WITHIN THE JAMES CAMPBELL NATIONAL WILDLIFE REFUGE.
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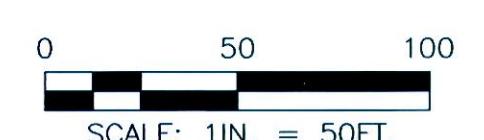
SHORELINE SURVEY MAP
USFWS TRACT (16e)
BEING A PORTION OF LOT 1219
ON LAND COURT APPLICATION MAP 1095 MAP 176
DATED MAY 30, 2006
F DEED KAMEHAMEHA III TO CHARLES GORDON HOPKINS
DATED SEPTEMBER 10, 1851

Tax Map Key: (OAHU) 5-6-002-041
AT KAHUKU, KOOLAULOA, HONOLULU, OAHU, HAWAII
FEE OWNER: U.S.A/U.S. FISH AND WILDLIFE SERVICE
Address: 56-1069 KAMEHAMEHA HWY
HONOLULU, HAWAII

SCALE: 1 IN. = 50FT.

TRUE NORTH

BASIS OF BEARINGS:
BEARINGS SHOWN HEREON ARE IN GRID BEARINGS REFERENCED
TO THE HAWAII STATE PLANE COORDINATE SYSTEM, ZONE 3,
NAD83(2011), US SURVEY FEET.
AT THIS SITE, GRID NORTH DIFFERS FROM TRUE NORTH BY A
CONVERGENCE OF 01°02'09".
THE ARROW ON THIS SHEET INDICATES TRUE NORTH.



LEGEND:

- CALCULATED POINT
- FOUND 1" X 1" SQUARE BAR
- ◎ FOUND 1/2" IRON PIPE

SURVEYOR'S CERTIFICATE:
THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR
UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS
OF THE SURVEY RECORDING AT THE REQUEST OF JAMES
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KIRK W. NORTON
USEWS REGIONAL LAND SURVEYOR

