

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Boating and Ocean Recreation  
Honolulu, Hawaii 96819

June 28, 2019

Chairperson and Members  
Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

Land Board Members:

SUBJECT: DECLARE AN EXISTING OFFSHORE MOORING EXEMPT FROM REQUIREMENTS OF CHAPTER 343, HAWAII REVISED STATUTES, AND TITLE 11, CHAPTER 200, HAWAII ADMINISTRATIVE RULES, LAHAINA, ISLAND OF MAUI, HAWAII, FOR KEITH SALVADOR

REQUEST:

The Division of Boating and Ocean Recreation (“DOBOR”) requesting that the Board of Land and Natural Resources (“Board”) declare the installation of an existing offshore mooring exempt from the requirements of Chapter 343, Hawaii Revised Statutes, and Title 11, Chapter 200, Hawaii Administrative Rules, to prepare an Environmental Assessment (“EA”), due to the use of submerged State land.

The applicant, Keith Salvador (“Applicant”), uses an existing offshore mooring installed within the Lahaina Offshore Mooring Zone in Lahaina on the Island of Maui that has been in place for several years. He is requesting that the Board declare the installation of their privately owned and maintained mooring exempt from the requirement to prepare an EA, as required by Chapter 343, HRS, and Chapter 11-200, HAR due to the use of submerged State land. The Applicant’s request is attached as **Exhibit A**.

PERMITS AND COMPLIANCE WITH STATE AND FEDERAL LAW:

In order to comply with Federal Law (Section 10 of the Rivers and Harbors act of 1899), DOBOR is requiring that all offshore moorings under their jurisdiction obtain a permit from the U.S. Army Corps of Engineers (“ACOE”). In addition, to ensure that the mooring system is structurally sound, DOBOR is requiring that all offshore mooring permittees submit an Offshore Mooring Installation Plan, prepared by a licensed structural engineer, for approval.

The Applicant has obtained a Nationwide Permit Verification from the ACOE authorizing the installation and use of the existing mooring. A Mooring Installation Plan, prepared by a licensed structural engineer, has also been submitted to and approved by DOBOR Engineering Branch. The ACOE Permit and approved Mooring Installation Plan are also attached with **Exhibit A**.

In accordance with HAR 13-235-6, the National Marine Fisheries Service (NMFS) and DLNR, Division of Aquatic Resources (DAR) must determine whether an offshore mooring is detrimental to the habitat or spawning ground of marine life. Through the ACOE permitting process, NMFS has

been consulted and determined the offshore mooring has no detrimental effect to the habitat or spawning ground of marine life. DAR has also been consulted and concurred that the offshore mooring has no detrimental effect to the habitat or spawning ground of marine life.

ENVIRONMENTAL ASSESSMENT EXEMPTION:

In accordance with Hawaii Administrative Rule (HAR) Section 11-200-8(A) and the Exemption List for the Department of Land and Natural Resources (DLNR), approved by the Environmental Council, on June 5, 2015, it has been determined that the installation of the existing mooring is exempt from the preparation of an EA pursuant to the following exemptions:

Item No. 13 of Exemption Class 6: "Placement or construction of accessory structures such as utility sheds, storage or maintenance sheds, office trailers, trash enclosures, comfort stations or sanitation facilities and related individual wastewater disposal systems, bus shelters, pavilions or picnic shelters, parking and fee collection facilities, checking stations, interpretive kiosks and displays, dock boxes, mooring cleats, bumpers, and mooring buoys, blocks, and piles, and other similar structures accessory to existing facilities on state land and waters."

Consultations with the State of Hawaii, Office of Planning, Coastal Zone Management Program and State of Hawaii, DLNR, Office of Conservation and Coastal Lands for this EA Exemption have been conducted as required by HAR 11-200-8.

RECOMMENDATION:

Declare that, after considering the potential effects of the installed mooring as provided by Chapter 343, HRS, and Chapter 11-200, HAR, this project will probably have minimal or no significant effect on the environment and is therefore exempt from the preparation of an environmental assessment for the existing offshore mooring within Lahaina Offshore Mooring Zone, after-the-fact.

Respectfully Submitted,



EDWARD R. UNDERWOOD, Administrator  
Division of Boating & Ocean Recreation

APPROVED FOR SUBMITTAL:



SUZANNE D. CASE, Chairperson  
Board of Land and Natural Resources

Attachment:

- A. Applicant's request for approval of mooring, approved Mooring Installation Plan, Nationwide Permit Verification Letter from Army Corps of Engineers

**EXEMPTION NOTIFICATION**

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Offshore Mooring within Lahaina Offshore Mooring Zone, Lahaina, Island of Maui, for Mr. Keith Salvador
Project / Reference No.:	N/A
Project Location:	Lahaina, Island of Maui
Project Description:	Installation of an offshore mooring for a privately-owned vessel
Chap. 343 Trigger(s):	Use of State (submerged) lands
Exemption Class No(s).:	Class No. 6, Item 13: "Placement or construction of accessory structures such as utility sheds, storage or maintenance sheds, office trailers, trash enclosures, comfort stations or sanitation facilities and related individual wastewater disposal systems, bus shelters, pavilions or picnic shelters, parking and fee collection facilities, checking stations, interpretive kiosks and displays, dock boxes, mooring cleats, bumpers, and mooring buoys, blocks, and piles, and other similar structures accessory to existing facilities on state land and waters."
Cumulative Impact of Planned Successive Actions in Same Place Significant?	No. There are no planned successive actions to be undertaken at the same location.
Action May have Significant Impact on Particularly Sensitive Environment?	No. The environment in the existing offshore mooring is sand bottom with no coral reefs or marine features that are critical for aquatic species habitat or spawning areas.
Analysis:	The materials installed for the offshore mooring are chemically inert and do not pose a threat to essential marine habitat or endangered species and do not pose any hazard or obstruction to existing uses of the ocean in the area.
Consulted Parties:	<ul style="list-style-type: none"> <li>- State Office of Planning, Coastal Zone Management</li> <li>- State DLNR, Office of Conservation and Coastal Lands</li> </ul>
Declaration	The Board finds that this project will probably have minimal or no significant effect on the environment and declares that this project is exempt from the preparation of an environmental assessment.

## EXHIBIT A

# Request for Exemption from Requirement for Preparation of Environmental Assessment for the Transfer of an Existing Offshore Mooring within Mala Mooring Zone, Lahaina, Maui.

Dated: October 20, 2018

Submitted in compliance with Hawaii Revised Statutes Chapter 343 and HAR §§11-200-8; 11-200-8(b)

Submitted to:

Board of Land & Natural Resources, State of Hawaii,  
Department of Land & Natural Resources (DLNR) Division of

Boating and Ocean Recreation,  
Lahaina Small Yacht Harbor  
675 Wharf Street  
Lahaina, HI 96767

[Miles.J.Lopes@hawaii.gov](mailto:Miles.J.Lopes@hawaii.gov)

& [daynett.m.flores@hawaii.gov](mailto:daynett.m.flores@hawaii.gov) 808-662-4060

[Finn.d.mccall@hawaii.gov](mailto:Finn.d.mccall@hawaii.gov) 808-280-8420

Submitted by:

Keith B. Salvador

751 Papua St., Wailuku, HI. 96793

Owner of "Kea", US Documented Vessel, 925803

Email: keetsalvador@yahoo.com Ph. 808-264-1314

Request:

Keith Salvador (hereinafter referred to as "Petitioner") requests approval for the transfer of an existing offshore mooring within Mala Mooring Zone, and exemption from requirement for environmental assessment report associated with the proposed mooring transfer, as the proposed mooring will have little to no environmental impact, as discussed herein below:

### **Reasoning and Justification for Request**

#### Environmental Assessment Exemption:/m

- 1) The reason for the Environmental Assessment is due to the use of State submerged lands
- 2) Petitioner requests exemption from requirement for environmental assessment report associated with the existing mooring, as the existing mooring will have little or no impact on the environment in the current location.
- 3) The current exemption list for the Department of Land and Natural Resources data June 5, 2015 provides as follows under Exemption Class 6:

“13. Placement or construction of accessory structures such as... mooring, cleats, bumpers, and mooring buoys, blocks and piles, and other similar structures accessory to existing facilities on state land and waters.”

### Project Description

Installation of private offshore mooring in Mala Wharf, Mooring Zone, Lahaina, Maui Hawaii

### Technical Description of Proposed Installation

Proposed installation:

A single non-commercial mooring located approximately 2,500 feet from the shoreline in Mala Mooring Zone, City of Lahaina, Island of Maui, Hawaii in approximately 60-feet of water over flat lava rock covered in two to three feet of sandy ocean substrate. The existing mooring anchoring system is comprised of one 9,000-lbs 4.5-foot by 4.5-foot by 3-foot concrete block, attached to one 7/8-inch stainless steel shackle with seizing wire, attached to 45-feet of 5/8-inch galvanized steel chain, attached to one 3/4-inch galvanized steel shackle with seizing wire, attached to one inflatable float at mid depth, attached to one 3/4 -inch galvanized steel shackle with seizing wire, attached to one 7/8-inch eye-eye swivel, attached to 50-feet of 1 1/2-inch blue steel rope, attached to one 3/4-inch galvanized steel shackle with seizing wire, attached to one 3/4-inch weldless ring, attached to one 7/8-inch galvanized steel shackle with seizing wire, attached to one existing mooring buoy, attached to 1 3/4-inch galvanized steel shackle with seizing wire, attached to 20-feet of 1-inch nylon rope.

### Location of Mooring

The mooring buoy is located at center coordinates: Latitude: 20.872467 & 156.687417.

### Purpose of Mooring

The mooring will be used by the Petitioner solely for the purpose of mooring a sailboat for private purposes.

### Impact on Coastal Ecosystems

NEGLIGIBLE The existing mooring site is approximately 800 yards from the nearest shore and is not within the Special Management Area of Shoreline Setback Area, nor is the site within a State Conservation District. This site does not provide habitat to any known endangered species of plants, birds or mammals. The site is not within, and does not boarder any National Area Reserve, Marine Conservation District, or estuary. The site is not on or close to any reef or coral colonies. No material will be placed or discharged in the project area. The petitioner dove to inspect the existing mooring on May 20, 2018 and the integrity of all of the components are in good condition as outlined in the attached certified drawings.

### Impact on Marine Resources

NONE The existing mooring does not involve or affect the use or development of any marine or coastal resources.

#### Impact on Historic Resources

NONE The mooring site is not within designated historic or cultural district and has not been listed or nominated for the Hawaii National Register of Historic Places. The existing site contains no known historic or archeological resources and is not within or adjacent to any Hawaiian fishpond or historic settlement area.

#### Impact on Scenic and Open Space Resources

NEGLIGIBLE A sailboat will be located at the mooring location and will be visible. The mooring ball is visible floating on the surface of the water.

Enclosures:

Certified Drawing from Phree Creations, LLC (Josh Murphree)

Army Corps of Engineers – Nationwide Permit Verification for After the Fact: Keith B. Salvador  
file No. POH-2018-97

Respectfully Submitted by:  
Keith B. Salvador  
808-264-1314



DEPARTMENT OF THE ARMY  
HONOLULU DISTRICT, U.S. ARMY CORPS OF ENGINEERS  
FORT SHAFTER, HAWAII 96858-5440  
July 13, 2018

SUBJECT: Nationwide Permit Verification for Mr. Keith Salvador, Mala Mooring Zone  
Existing Mooring Buoy, Lahaina, Island of Maui, Hawaii, Department of the Army File  
No. POH-2018-97

Mr. Keith Salvador  
751 Papua Street  
Wailuku, HI 96793

Dear Mr. Salvador:

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed a review of your Pre-Construction Notification dated June 11, 2018 requesting authorization for the proposed Mooring Buoy Located at Latitude: 20.872467, Longitude: -156.687417, in the Mala Mooring Zone, Near Lahaina, Island of Maui, Hawaii. Based upon a review of the information you submitted to this office, we have verified that your proposed activity complies with the terms and conditions of Nationwide Permit (NWP) 10 – Mooring Buoys and the overall NWP Program issued on March 19, 2017. Please reference Department of the Army (DA) file number POH-2018-135 in any future correspondence related to this permit.

We have determined your proposed project involves work in or affecting navigable waters and requires authorization from the Corps in accordance with Section 10 of the Rivers and Harbors Act of 1899 (Section 10). This letter verifies your use of this NWP pursuant to Section 10, authorizing the following work as described below and as depicted on the enclosed drawings (Enclosure 1):

The after-the-fact installation of an existing single point mooring buoy for a private vessel deployed in approximately 60-feet deep water over flat lava rock covered in two to three feet of sandy ocean substrate, approximately 2,500-feet from the shoreline in Mala Mooring Zone, City of Lahaina, Island of Maui, Hawaii at 20.872467°, -156.687417°. The existing mooring anchoring system is comprised of, one 9,000-lbs 4.5-foot by 4.5-foot by 3-foot concrete block, attached to one 7/8-inch  $\varnothing$  stainless steel shackle with seizing wire, attached to 45-feet of 5/8-inch  $\varnothing$  galvanized steel chain, attached to one 3/4-inch  $\varnothing$  galvanized steel shackle with seizing wire, attached to one inflatable float at mid depth, attached to one 3/4-inch  $\varnothing$  galvanized steel shackle with seizing wire, attached to one 7/8-inch eye-eye swivel, attached to 50-feet of 1 1/2-inch  $\varnothing$  blue steel rope, attached to one 3/4-inch  $\varnothing$  galvanized steel shackle with seizing wire, attached to one 3/4-inch  $\varnothing$  weldless ring, attached to one 7/8-inch  $\varnothing$  galvanized steel shackle with seizing wire, attached to one existing mooring buoy, attached to one 3/4-

inch ø galvanized steel shackle with seizing wire, attached to 20-feet of 1-inch ø nylon rope.

In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the Nationwide Permit General Conditions and the Honolulu District Regional Conditions (Enclosure 2), and the following project-specific Special Conditions:

1. Endangered Species. You must comply with the following conditions to avoid and/or minimize adverse impacts to threatened and endangered species, including designated critical habitat:
  - a. Incidents where any individuals of Green Sea Turtle (*Chelonia mydas*), Hawksbill Turtle (*Eretmochelys imbricate*), Loggerhead Sea Turtle (*Caretta Caretta*), Hawaiian Monk Seal (*Monachus schauinslandi*) listed by NOAA Fisheries under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this NWP shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Branch of the Honolulu District, U.S. Army Corps of Engineers at (808) 835-4303. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries, Office of Protected Resources, to collect specimens or take other measurements to ensure that evidence intrinsic to the specimen is preserved.
  - b. You must comply with the enclosed Standard Local Operating Procedures for Endangered Species in the Central and Western Pacific Region (Pac-SLOPES) general conditions and best management practices (BMPs).

Verification of your project under this NWP is valid until **March 19, 2022** unless this NWP is modified, reissued, or revoked prior to that date. It is incumbent upon you to remain informed of changes to the NWPs. If the Corps modifies, reissues, or revokes any NWP at an earlier date, we will issue a public notice announcing the changes. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of the Rivers and Harbors Act and subsequent enforcement action. This authorization does not relieve you of



the responsibility to obtain any other federal, state, and/or local authorizations required by law.

Thank you for your cooperation with the Honolulu District Regulatory Program. Should you have any questions related to this determination, please contact Mr. Matthew Brody by phone at (907) 790-4493, by mail at the address above, or via e-mail at [Matthew.T.Brody@usace.army.mil](mailto:Matthew.T.Brody@usace.army.mil). You are encouraged to provide comments on your experience with the Honolulu District Regulatory Office by accessing our web-based customer survey form at [http://corpsmapu.usace.army.mil/cm\\_apex/f?p=136:4:0](http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0)

Sincerely,



Randal Vigil  
Chief, Southeast Section

Enclosures

cc:

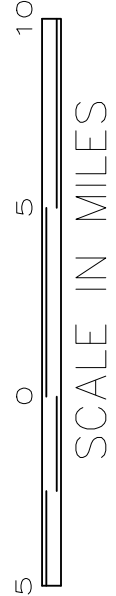
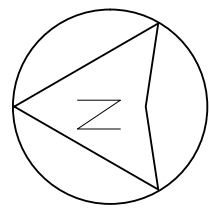
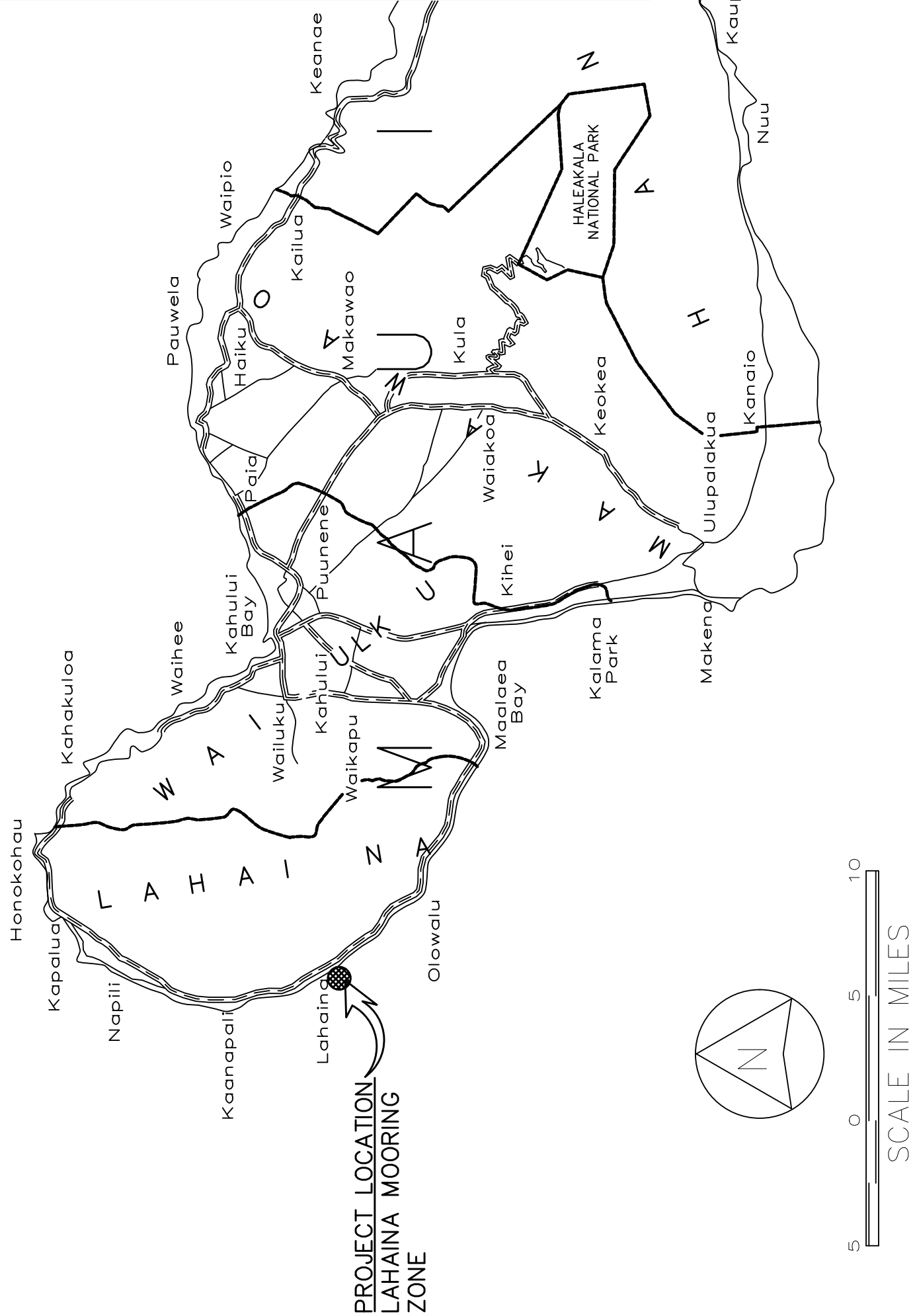
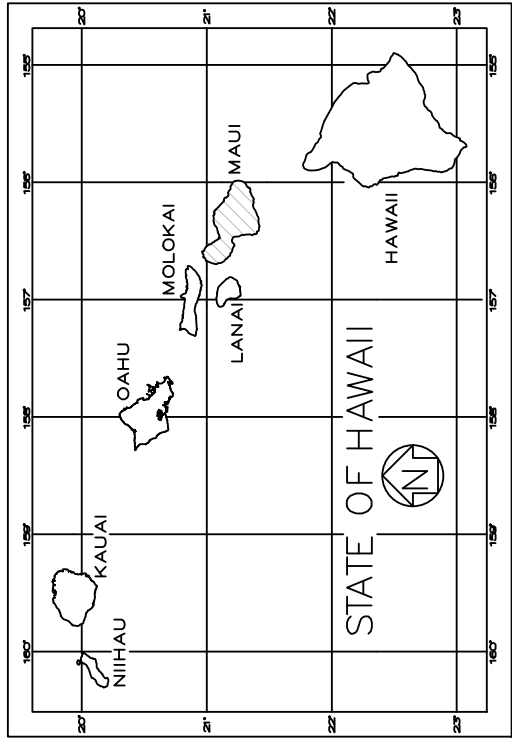
Mr. Keith Salvador – [KeetSalvador@yahoo.com](mailto:KeetSalvador@yahoo.com)  
U.S. Coast Guard – John Bannon – [John.E.Bannon@uscg.mil](mailto:John.E.Bannon@uscg.mil)  
U.S. Coast Guard – Jason Olney – [Jason.R.Olney@uscg.mil](mailto:Jason.R.Olney@uscg.mil)  
State of Hawaii Department of Health, Clean Water Branch (DOH-CWB) –  
[CleanWaterBranch@doh.hawaii.gov](mailto:CleanWaterBranch@doh.hawaii.gov)  
State of Hawaii Office of Planning, Coastal Zone Management Program (Hawaii  
CZM Program) – [John.D.Nakagawa@hawaii.gov](mailto:John.D.Nakagawa@hawaii.gov)



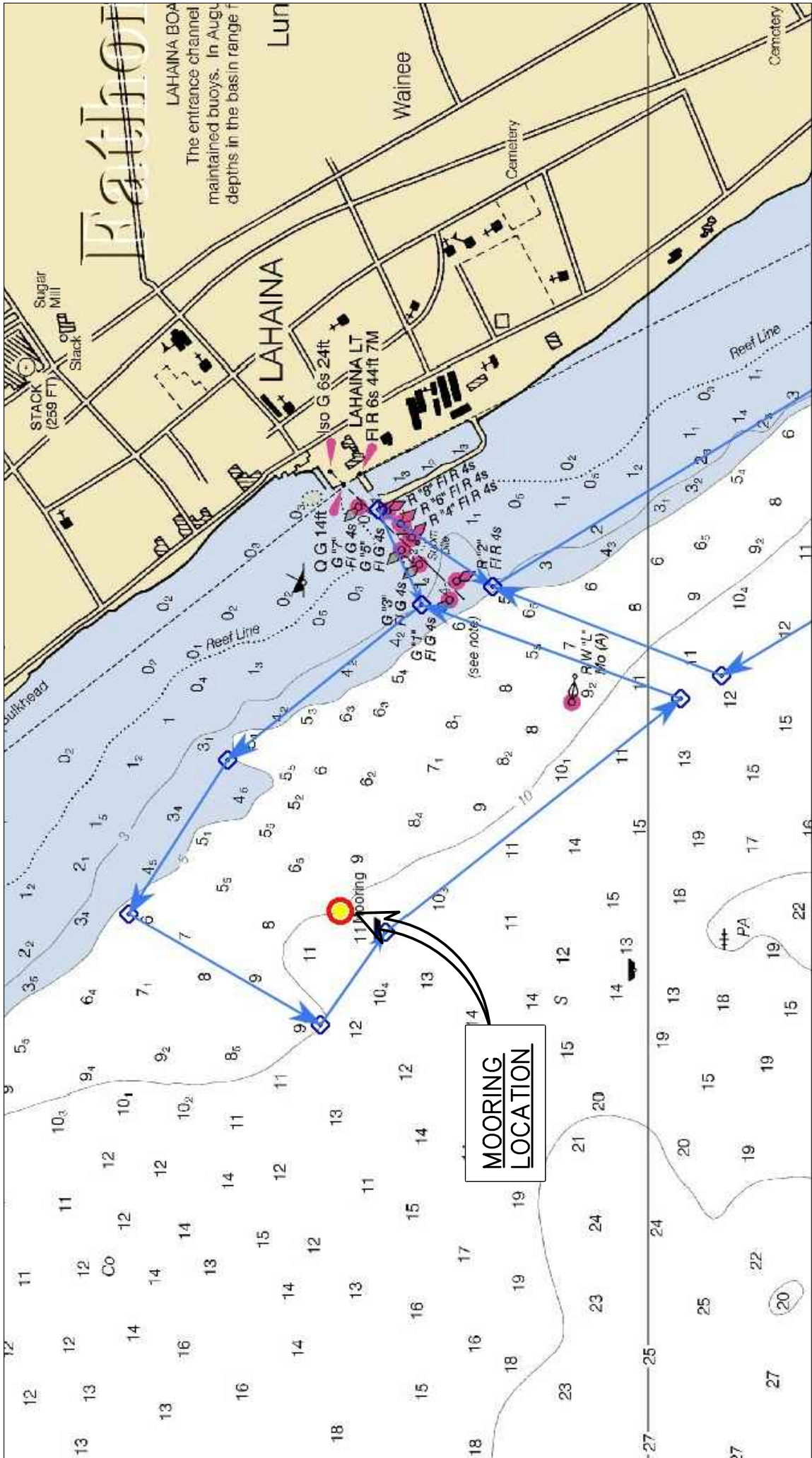
# LAHAINA OFFSHORE MOORING

## FOR: KEITH SALVADOR

VESEL : "KEA"  
GPS COORDINATES OF MOORING : 21°51.348'N, 156°41.245'W  
APPROXIMATE WATER DEPTH : 60'

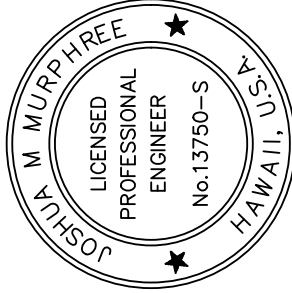


VICINITY MAP



LOCATION MAP

PHREE  
CREATIONS, LLC.  
61-655 KAMEHAMEHA HIGHWAY  
HALEIWA, HAWAII 96712 • (808) 349-4990



*[Signature]*  
THE WORK WAS PREPARED BY  
THE ENGINEER OR ARCHITECT  
AND CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION

GENERAL NOTES  
CONTRACTOR/OWNER SHALL CHECK AND VERIFY ALL DIMENSIONS  
AND CONDITIONS AT THE URGEST BEFORE PROCEEDING WITH THE WORK  
AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.  
ALL CONSTRUCTION SHALL CONFORM TO THE 2005 INTERNATIONAL  
BUILDING CODE AND THE LATEST COUNTY OF MAUI/STATE OF HAWAII  
AMENDMENTS AND ORDINANCES AND/OR THE CITY AND COUNTY OF WHERE  
THIS PROJECT IS LOCATED AND HAVING JURISDICTION.

REVISION MARK • DATE • DESCRIPTION

PROJECT  
EXISTING  
LAHAINA  
OFFSHORE MOORING  
FOR:  
KEITH SALVADOR  
VESSEL: "KEA"  
751 PAPUA ST.  
WAILUKU, HI 96793

GPS COORDINATES: 21°52.348'N  
156°41.245'W

SHEET TITLE

TITLE SHEET

JOB NO. 2015-0007.81 DRAWING NO.  
DRAWN JMM  
CHECKED JMM  
DATE MAY 11, 2018 SHEET 1 OF 3

T-1



GENERAL:

- A. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE BUILDING CODE AS STATED BELOW. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING TO OTHER STANDARDS THE MORE STRINGENT SHALL APPLY.
1. COUNTY OF MAUI AMENDED IBC, 2006
- B. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS WITH THE DRAWINGS BEFORE COMMENCING WORK. REPORT IN WRITING TO THE ENGINEER ALL INCONSISTENCIES AND OMISSIONS.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP AND JOB SAFETY.
- D. DETAILS NOTED AS TYPICAL ON THE STRUCTURAL DRAWINGS SHALL APPLY IN ALL CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED.

DESIGN CRITERIA:

- A. MINIMUM DESIGN CRITERIA FOR MOORING IN ACCORDANCE WITH UFC 4-159-03:
1. TYPE IIB STORM MOORING
- B. WIND DESIGN DATA:
1. BASIC WIND SPEED: 105 MPH
- C. CURRENT:
1. MAX CURRENT: 2 KNOT
- D. WAVES AND TIDAL VARIATIONS:
1. PEAK WAVE HEIGHT: 5 FEET
- DESIGN VESSEL: "KEA" – ERICSON 35
1. LOA: UP TO 34'-8"
2. BEAM: UP TO 10'-0"
3. DRAFT: UP TO 5'-0"
4. DISPLACEMENT: UP TO 6 GRT

\*ANY INCREASE IN THE MOORED VESSEL SIZE REQUIRES RE-ANALYSIS.

CHAIN, HARDWARE, ROPE, AND MOORING COMPONENTS

- A. ALL CHAIN AND HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
- B. THIMBLES OR CHAFE GUARDS SHALL BE USED WITH ROPES AT ALL POINTS OF CONTACT.

MOORING HARDWARE, MAINTENANCE AND INSPECTION

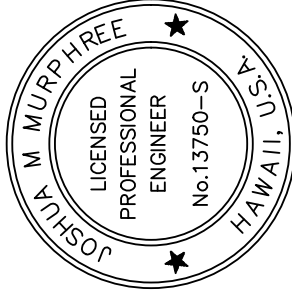
- A. THE VESSEL OWNER SHALL BE RESPONSIBLE FOR MAINTAINING THE VESSEL'S MOORING HARDWARE. ANY FAILURE RESULTING FROM NON MAINTAINED COMPONENTS OR UNREPAIRED DAMAGE OF THE MOORING RESULTING FROM NORMAL USE SHALL BE THE RESPONSIBILITY OF THE VESSEL OWNER.
- B. THE VESSEL OWNER SHALL INSPECT ALL MOORING HARDWARE, ROPES, AND CHAINS FROM SEA FLOOR TO PENDANT FOR SAFETY AND SECURITY NO LESS THAN TWO TIMES PER YEAR. INSPECTION REPORT/RECORDS SHALL BE KEPT BY VESSEL OWNER.
- C. THE VESSEL OWNER IS RESPONSIBLE FOR INSTALLING AND MAINTAINING CHAFING GEAR ON ALL MOORING LINES.

MOORING DETAILS

NOT TO SCALE

PHREE  
CREATIONS, LLC.

61-655 KAMEHAMEHA HIGHWAY  
HALEIWA, HAWAII 96712 • (808) 349-4990



*[Signature]*  
THIS WORK WAS PREPARED BY  
PHREE CREATIONS, LLC  
ON BEHALF OF THE CLIENT  
AND CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION

GENERAL NOTES

CONTRACTOR/OWNER/BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE URGEST BEFORE PROCEEDING WITH THE WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.

ALL CONSTRUCTION SHALL CONFORM TO THE 2006 INTERNATIONAL BUILDING CODE AND THE LATEST COUNTY OF MAUI/STATE OF HAWAII AMENDMENTS AND ORDINANCES AND/OR THE CITY AND COUNTY OF WHERE THIS PROJECT IS LOCATED AND HAVING JURISDICTION.

REVISION MARK DATE DESCRIPTION

PROJECT  
EXISTING  
LAHAINA  
OFFSHORE MOORING  
FOR:

KEITH SALVADOR

VESSEL: "KEA"  
751 PAPUA ST.  
WAILUKU, HI 96793

GPS COORDINATES: 21°52.348'N  
156°41.245'W

SHEET TITLE

MOORING NOTES  
AND DETAILS

JOB NO. 2015-0007.81

DRAWING NO.

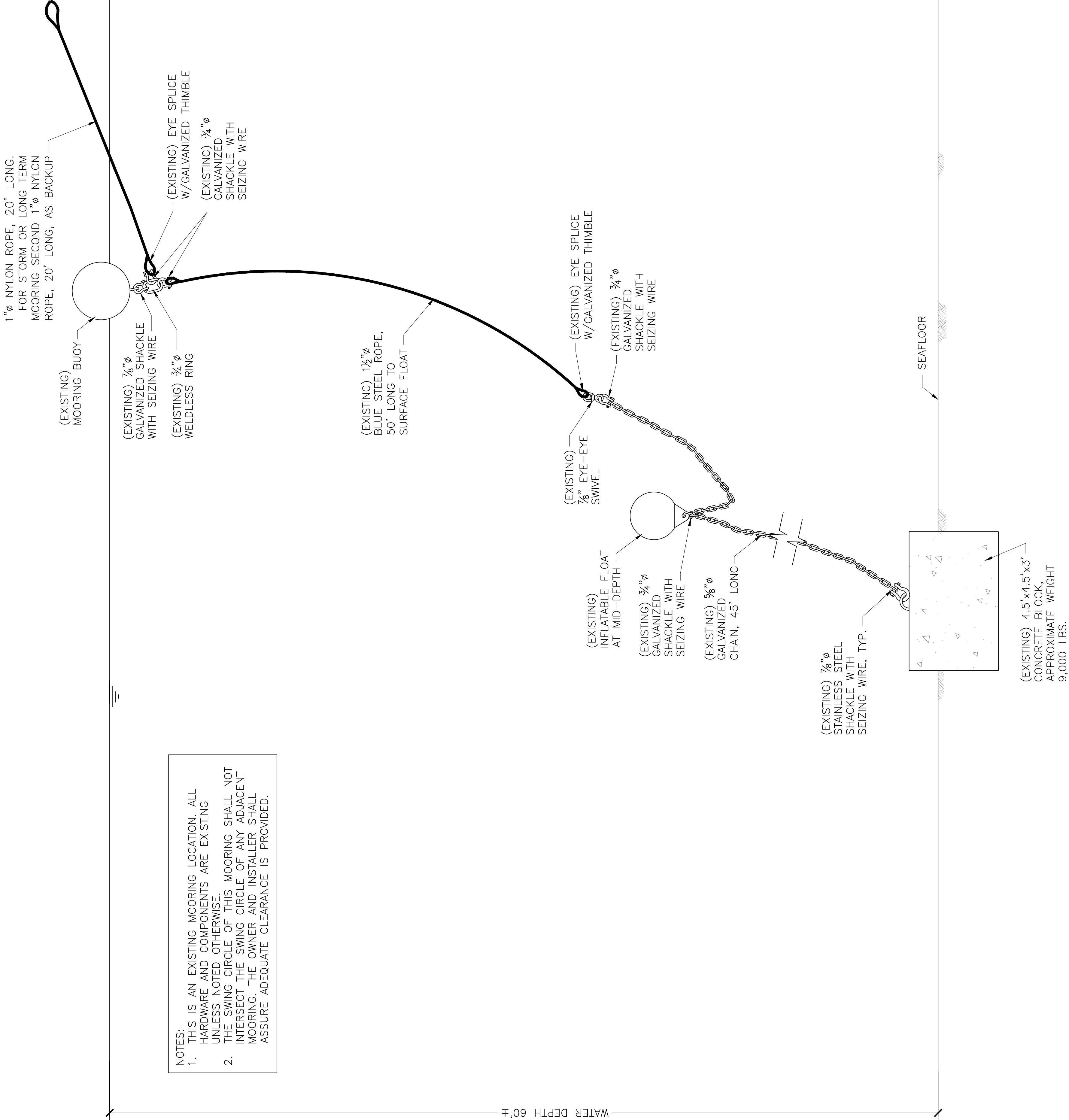
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CHECKED JMM

DATE MAY 11, 2018

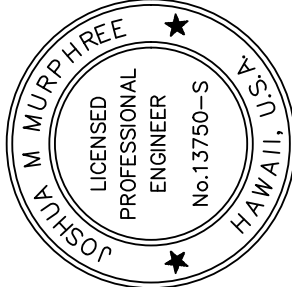
SHEET 2 OF 3



NOTES:  
1. THIS IS AN EXISTING MOORING LOCATION. ALL HARDWARE AND COMPONENTS ARE EXISTING UNLESS NOTED OTHERWISE.  
2. THE SWING CIRCLE OF THIS MOORING SHALL NOT INTERSECT THE SWING CIRCLE OF ANY ADJACENT MOORING. THE OWNER AND INSTALLER SHALL ASSURE ADEQUATE CLEARANCE IS PROVIDED.

PHREE  
CREATIONS, LLC.

61-655 KAMEHAMEHA HIGHWAY  
HALEIWA, HAWAII 96712 • (808) 349-4990



*[Signature]*  
THE WORK WAS PREPARED BY  
ME OR UNDER MY CLOSE PERSONAL  
SUPERVISION AND I AM AWARE OF THE  
TRUE NATURE AND SCOPE OF THE PROJECT  
AND CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION

GENERAL NOTES

CONTRACTOR/OWNER/BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS  
AND CONDITIONS AT THE JOB SITE BEFORE PROCEEDING WITH THE WORK  
AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.

ALL CONSTRUCTION SHALL CONFORM TO THE 2008 INTERNATIONAL  
BUILDING CODE AND THE LATEST COUNTY OF MAUI/STATE OF HAWAII  
AMENDMENTS AND ORDINANCES AND/OR THE CITY AND COUNTY OF WHERE  
THIS PROJECT IS LOCATED AND HAVING JURISDICTION.

REVISION   MARK   •   DATE   •   DESCRIPTION

PROJECT

EXISTING  
LAHAINA  
OFFSHORE MOORING  
FOR:

KEITH SALVADOR

VESSEL: "KEA"

751 PAPUA ST.  
WAILUKU, HI 96793

GPS COORDINATES:   21°52.348'N  
                                  156°41.245'W

SHEET TITLE

MOORING PLAN

JOB NO. 2015-0007.81      DRAWING   NO.  
DRAWN   JMM  
CHECKED   JMM  
DATE   MAY 11, 2018      SHEET   3   OF   3

MOORING PLAN

SCALE: 1/8" = 1'-0"

NOTE:  
THE SWING CIRCLE OF THIS MOORING  
SHALL NOT INTERSECT THE SWING CIRCLE  
OF ANY ADJACENT MOORING. THE OWNER  
AND INSTALLER SHALL ASSURE ADEQUATE  
CLEARANCE IS PROVIDED.

