

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

June 23, 2023

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

Land Board Members:

SUBJECT: APPROVE INSTALLATION OF AN EXISTING OFFSHORE MOORING OUTSIDE OF AN ESTABLISHED OFFSHORE MOORING AREA AFTER-THE-FACT, KAILUA BAY, KAILUA-KONA, ISLAND OF HAWAII, HAWAII, FOR MARGARET E. BROWN dba MAGGIE B LLC

REQUEST:

The Division of Boating and Ocean Recreation (“DOBOR”) is requesting that the Board of Land and Natural Resources (“Board”) approve the installation of an existing offshore mooring within Kailua Bay offshore of Kailua-Kona town on the Island of Hawaii, after-the-fact. As required by HAR 13-235-9, any applicant requesting to moor a vessel outside of an established offshore mooring area must obtain approval from the Board.

The existing mooring within Kailua Bay has been in use for many years, formerly used as a mooring for the vessel Kona Aggressor II, and is currently maintained by Ms. Margaret E. Brown dba Maggie B LLC (“Applicant”). The Applicant is requesting that the Board approve the installation of the mooring outside of an established offshore mooring zone, as required by HAR 13-235-9. The Applicant’s request is attached with 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 (“USACE”). 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 previous occupant and permittee for the subject offshore mooring, Live/Dive Pacific, Inc. (vessel Kona Aggressor II) obtained a Nationwide Permit Verification Letter from USACE and the Applicant has properly transferred the USACE permit into their name and are authorized by USACE to use the existing mooring. An Offshore Mooring Installation Plan, prepared by a licensed structural engineer, for the previously moored vessel (Kona Aggressor II) has been submitted to and approved by DOBOR Engineering Branch. The structural engineer has also provided a letter confirming that the existing mooring assembly is adequate to support the Applicant’s smaller vessel. The USACE Permit, approved Offshore Mooring Installation Plan, and letter from the structural engineer, are attached with Exhibit A.

**Item J-1**

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 USACE permitting process, NMFS has been consulted and determined the offshore moorings have 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.

HRS CHAPTER 343 - ENVIRONMENTAL ASSESSMENT:

Compliance with HRS Chapter 343 and HAR Chapter 11-200.1 is not required as the offshore mooring is existing and therefore no new action is being proposed.

RECOMMENDATION:

Approve the installation and use of an existing offshore mooring within Kailua Bay, Kailua-Kona, Island of Hawaii, located outside of an established offshore mooring area, after-the-fact.

Respectfully Submitted,



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

APPROVED FOR SUBMITTAL:



DAWN N. S. CHANG, Chairperson  
Board of Land and Natural Resources

Attachment:

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

# EXHIBIT A

**DATE:** March 20, 2023

**FROM:** Margaret E Brown dba Maggie B LLC  
77-6372 Halawai Street  
Kailua Kona, HI 96740  
808-895-5959. toolgirl53@gmail.com

**SUBJECT:** Request for Approval of an Existing Offshore Mooring Outside of a Designated Offshore Mooring Area, Kailua Bay, Hawaii Island, coordinates 19.6340 -155.9962  
(Existing Kona Aggressor Mooring- Live Dive Pacific mooring since 1996)

**SUBMITTED TO:**  
Board of Land and Natural Resources  
1151 Punchbowl Street  
Honolulu, HI 96813

**SUBMITTED BY:**  
Margaret E Brown

**REQUEST:**  
In accordance with HAR 13-235-9, Margaret E Brown dba Maggie B, hereby requests approval of an existing offshore mooring within coordinates 19.6340 -155.9962 outside of a designated offshore mooring.

## REASONING AND JUSTIFICATION FOR REQUEST:

- Installation of Offshore Mooring Outside of an Existing Offshore Mooring Area:
- There are no designated offshore mooring areas for the island of Hawaii.
- Permitting and DOBOR Approval:
- A permit from the U.S. Army Corps of Engineers has been obtained, see attached permit verification letter Army Corps File No. POH 2017-00105
- An offshore mooring plan, prepared by a licensed structural engineer in the State of Hawaii, has been approved by the Division of Boating and Ocean Recreation, see attached approved offshore mooring plan.

## Description of Offshore Mooring:

- Ground tackle exists of two new, 4'x4' x 18", 4,000 LB concrete blocks and one existing 1,000 LB concrete block. All three blocks and mooring ball are connected using ¾" galvanized chain and ¾" shackles. In addition, two each, 2000# Danforth anchors are attached extending 20' each side of the 5000 LB concrete blocks with 1" galvanized chain and bolts with seizing wire. Please see attached marine architectural mooring drawings.

**Location of Offshore Mooring:**

- o Existing Offshore Mooring Outside of a Designated Offshore Mooring Area, Kailua Bay, Hawaii Island, coordinates 19.6340 -155.9962 (Existing Kona Aggressor Mooring- Live Dive Pacific mooring since 1996)

**Purpose of Offshore Mooring:**

- o Securing of vessel in Kailua Bay Hawaii Island, coordinates 19.6340 -155.9962

**Impact on Coastal Ecosystem and Marine Habitat:**

- o The impact of the offshore mooring is negligible. The mooring site is not within the Special Management Area or Shoreline Setback Area, or within a State Conservation District. The site does not provide habitat for any known endangered species, plants, birds, or mammals. The site is not within, and does not border any National Area Reserve, Marine Conservation District or estuary. The site is not on or close to, any coral reef or coral colonies. No dredge or fill activities will be involved with use of the mooring. The mooring is installed in an area approved for the installation of offshore moorings by the DLNR Division of Boating and Ocean Recreation.

**Impact on Historic Properties:**

- o There are no historic properties located in the vicinity of the proposed offshore mooring.

**Impact on Cultural Resources and Practices:**

- o The proposed offshore mooring will not adversely impact cultural resources or practices.

Mahalo,



Margaret E Brown  
President Owner

Maggie B LLC  
77-6372 Halawai Street  
Kailua Kona, HI 96740  
808-895-5959. toolgirl53@gmail.com



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT  
230 OTAKE STREET  
FORT SHAFTER, HAWAII 96858-5440

March 16, 2023

SUBJECT: Permit Transfer for Kailua Bay Offshore Mooring, Kailua Bay, Kailua Kona, Island of Hawaii, Hawaii, Department of the Army File No. POH-2017-00105

Margaret Brown  
77-6372 Halawai St.  
Kailua Kona, HI 96740

Dear Margaret Brown,

This letter is in regard to the Department of the Army (DA) Corps of Engineers permit issued to Evin Cotter on September 27, 2017, for an after-the-fact repair and partial replacement of a commercial mooring buoy. The project site is located near the town of Kailua Kona, Island of Hawaii, Hawaii at 19.6340°, -155.9962°.

Your agreement to comply with all of the terms and conditions and request to transfer the referenced DA permit has been received and is included in the permit file. Effective the date of this letter, the enclosed permit is hereby transferred to Margaret Brown.

Please contact me via email at [Jeremy.K.Morgan@usace.army.mil](mailto:Jeremy.K.Morgan@usace.army.mil) or by phone at (808) 835-4308, if you have questions. For more information about the Regulatory Program, please visit our website at [www.poh.usace.army.mil/Missions/Regulatory](http://www.poh.usace.army.mil/Missions/Regulatory).

Sincerely,

A handwritten signature in black ink that reads "Jeremy Morgan".

Jeremy Morgan  
Regulatory Specialist

Enclosure

Cc: State of Hawaii Department of Health, Clean Water Branch  
Darryl C Lum [darryl.lum@doh.hawaii.gov](mailto:darryl.lum@doh.hawaii.gov)  
[CleanWaterBranch@doh.hawaii.gov](mailto:CleanWaterBranch@doh.hawaii.gov)  
State of Hawaii Office of Planning, Coastal Zone Management Program  
[Debra.L.Mendes@hawaii.gov](mailto:Debra.L.Mendes@hawaii.gov)  
State of Hawaii Division of Land and Natural Resources, Department of Boating and Ocean Recreation, Finn McCall [finn.d.mccall@hawaii.gov](mailto:finn.d.mccall@hawaii.gov)



US Army Corps of Engineers, Honolulu District

DEPARTMENT OF THE ARMY  
PERMIT TRANSFER

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File Number: POH-2017-00105  
Project Title: Kailua Bay Offshore Mooring  
Subject: **Department of the Army Permit Property Transfer**

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**PROPERTY TRANSFER:** When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

**PERMIT TRANSFEREE:**

Permittee/Transferee Signature

Mar 15, 2023

DATE

Edward R. Underwood (State of Hawaii, DLNR-DOBOR)  
Permittee Name (Please Print)

4 Sand Island Access Road  
Street Address

Honolulu, HI 96819  
City, State, and Zip Code

**NEW PROPERTY OWNER:**

MAGGIE B LLC Margaret Brown  
New Permittee/Property Owner Signature

DATE

MAGGIE B LLC MARGARET BROWN  
New Permittee/Property Owner Name (Please Print)

77-0372 HAWAII STREET  
Street Address

KAILUA KONA HI 96740  
City, State, and Zip Code



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

September 27, 2017

SUBJECT: Nationwide Permit Verification for Kona Aggressor II Mooring, Kailua Bay, Kailua Kona, Hawaii, DA File No. POH-2017-00105

Ms. Evin Cotter  
Live/Dive Pacific, Inc.  
73-1533 Heneli Place  
Kailua-Kona, Hawaii 96740

Dear Ms. Cotter:

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed review of your Pre-Construction Notification dated June 12, 2017 requesting authorization for the after-the-fact repair and partial replacement of a mooring buoy for a commercial vessel in Kailua Bay, Kona, Island of Hawaii, Hawaii. Please reference Department of the Army (DA) file number POH-2017-00105 in any future correspondence related to this permit.

This letter verifies your activity complies with the terms and conditions of Nationwide Permit (NWP) #9, (Structures in Fleeting and Anchorage Areas) issued on March 19, 2017 (82 FR 1860, January 6, 2017). This NWP verification letter is being issued pursuant to Section 10 of the Rivers and Harbors Act of 1899 for work or structures in, over, under or affecting navigable waters of the U.S. You are authorized to conduct the following work as described below and as depicted on the enclosed drawings (Enclosure 1):

The after-the-fact installation and after-the-fact repair and partial replacement of an existing single point mooring buoy for a single commercial vessel deployed in 85-foot deep, sandy bottom, approximately 0.66 miles southwest of the north intersection of Kahakai Road and Alii Drive in Kailua-Kona, Island of Hawaii at 19 37.806N, 155 59.940W. The portions of the original mooring in place since 1989 which will remain in place include three Danforth anchors of unknown size, a 3-foot wide by 3-foot long 1,000 pound concrete block anchor, and anchor chains. The repaired, replaced mooring now consists of a 30-inch diameter Jim Buoy Premium Model buoy connected to one existing 3-foot wide by 3-foot long 1,000 pound concrete block anchor sitting on the sand substrate, three existing Danforth standard anchors buried in the sand substrate, two new four-foot wide by four-foot long concrete anchor blocks, and one new "Danforth Standard" anchor with a 160-foot long section of  $\frac{3}{4}$ -inch "Campbell" galvanized dock fender chain connected to the center of the anchors, four 20-foot long sections of 1 -inch "Campbell" galvanized long-link chain to connect the Danforth anchors to the center of the anchors, and approximately 8 feet of  $\frac{3}{4}$ -inch "Campbell" galvanized dock fender chain to connect the concrete block anchors to the center axis of the anchors. The center of the anchors

attaches to the galvanized dock fender chain with one 1¼-inch eye-eye swivel, 1¼-inch weldless ring, and one 1-inch, one 7/8-inch, and one ¾ -inch galvanized bolt anchor shackles with seizing wire. The "Danforth" anchors are each connected to their sections of 1 -inch "Campbell" galvanized long-link chain with 1-inch galvanized bolt anchor shackle with seizing wire. One 27-inch diameter midline buoy is attached to the main ¾ -inch "Campbell" galvanized dock fender chain. The Jim Buoy Premium Model buoy is attached to the wire rope with a ¾ -inch galvanized bolt anchor shackle with seizing wire, which also has two 30-foot long sections of 1¼ -inch double braided nylon rope with one eye splice per rope attached. The new sections were added after-the-fact on June 22, 2017, shortly after the application was submitted.

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).

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 provisional permit, please contact me at 808-835-4310 or via e-mail at [Vera.B.Koskelo@usace.army.mil](mailto:Vera.B.Koskelo@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,



Digitally signed by KOSKELO.VERA.B.1370139110  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=USA, cn=KOSKELO.VERA.B.1370139110  
Date: 2017.09.27 15:12:42 -10'00'

Vera B. Koskelo  
Regulatory Specialist, Regulatory Branch

Enclosures

cc: State of Hawaii Department of Health, Clean Water Branch (DOH-CWB)  
State of Hawaii DBEDT Office of Planning (John Nakagawa)  
USCG (John Bannon, Jason Olney)



Allshore Engineering, LLC  
61-655 Kamehameha Highway  
Haleiwa, HI 96712  
Phone: 808-349-4990

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**TO:** Mr. Finn McCall  
DLNR – Division of Boating and Ocean Recreation  
4 Sand Island Access Road, Honolulu, HI 96819

**FROM:** Joshua Murphree, P.E., S.E.

**SUBJECT:** Kailua Kona Offshore Mooring – Vessel Change  
GPS Coordinates: 19°37.806' N, 155°59.940' W

**DATE:** 2/27/2023

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Allshore Engineering, LLC has reviewed and determined the change in vessel from “*Kona Aggressor II*” owned by Live/Dive Pacific, Inc., to a 21' *Grady-White* owned by Maggie B, LLC, at the subject mooring is acceptable. This mooring is adequate for larger vessels, up to 50' LOA, without further review.

Previously approved plans of the existing mooring are attached.

Should you have any questions or require additional information please contact me by telephone at 808-349-4990 or by email at [joshmurphree@gmail.com](mailto:joshmurphree@gmail.com).



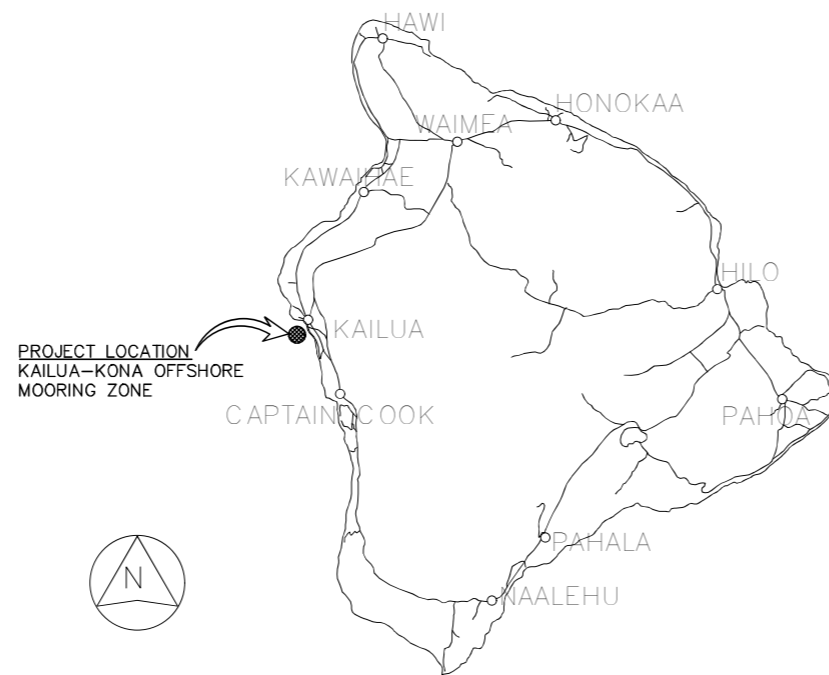
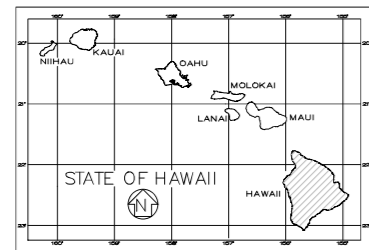
Joshua M. Murphree, P.E., S.E.  
Structural Engineer  
Allshore Engineering, LLC

# OFFSHORE MOORING: KAILUA-KONA OFFSHORE MOORING ZONE FOR: LIVE/DIVE PACIFIC, INC. - KONA AGGRESSOR II

CONTACT : EVIN COTTER

GPS COORDINATES OF MOORING : 19°37.806'N, 155°59.940'W

APPROXIMATE WATER DEPTH : 85'



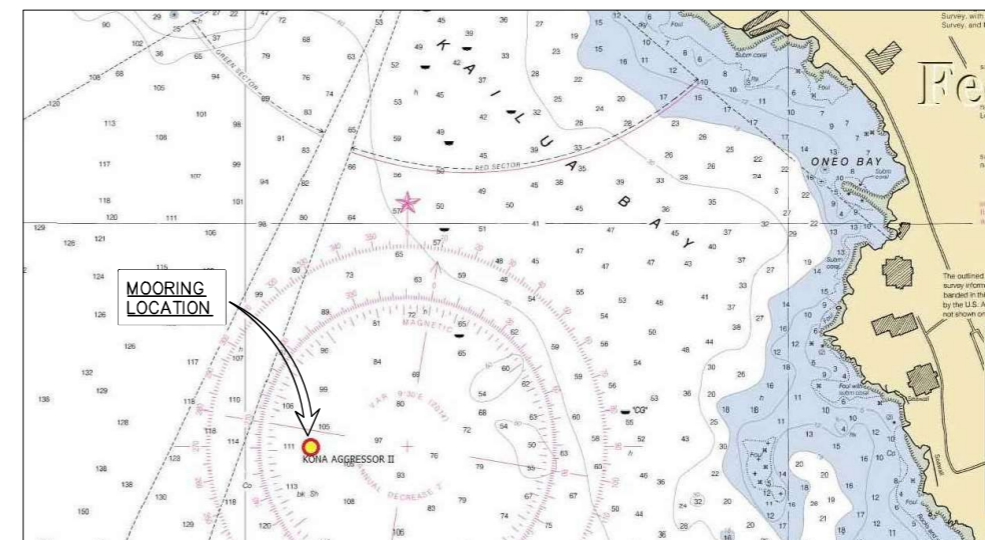
VICINITY MAP

Department of Land and Natural Resources  
Division of Boating and Ocean Recreation  
PLAN REVIEW:

- Approved
- Rejected
- Approved, as noted
- Revise & Resubmit

By: J. M. Murphy Date: 6/19/17

Corrections, comments or approval of plans shall not relieve the contractor from other local, state, federal or other agency regulations or permit conditions. This review is for general conformance with engineering design guidelines. The contractor is responsible for confirming all dimensions, quantities, fabrication requirements, and coordination with all other trades.



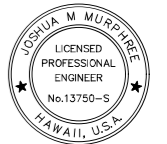
LOCATION MAP

## INDEX TO DRAWINGS

SHEET NUMBER	DRAWING NUMBER	DESCRIPTION
1	T-1	TITLE, INDEX TO DRAWINGS, AND VICINITY MAP
2	S-1	MOORING NOTES AND ELEVATION
3	S-2	MOORING PLAN

PHREE  
CREATIONS, LLC.

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



*J. M. Murphy*

EXPIRES DATE OF THE LICENSE 4/30/2018  
THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION  
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 JOBSITE 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 HAWAII/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

PROPOSED PROJECT  
OFFSHORE MOORING  
KAILUA-KONA MOORING ZONE  
FOR:  
KONA AGGRESSOR II

CONTACT: EVIN COTTER  
LIVE/DIVE PACIFIC, INC.  
74-5626 ALAPA ST.  
KEALAKEKUA, HI 96740  
PHONE: (808) 329-8182

GPS COORDINATES: 19°37.806'N  
155°59.940'W

SHEET TITLE  
TITLE SHEET

JOB NO. 2015-0007.40 DRAWING NO.  
DRAWN JMM T-1  
CHECKED JMM  
DATE MAY 30, 2017 SHEET 1 OF 3

**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 HAWAII 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.
- E. PRODUCT DATA REQUIRED BY THESE NOTES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

**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 KNOTS
  - D. WAVES AND TIDAL VARIATIONS:
    - 1. PEAK WAVE HEIGHT: 6 FEET
- DESIGN VESSEL: "KONA AGGRESSOR II"
- 1. LOA: 70'-6"
  - 2. BEAM: 28'-6"
  - 3. DRAFT: 7'-3"
  - 4. TONNAGE: 79 GRT
- \*MOORING IS DESIGNED FOR DESIGN VESSEL ONLY, ANY CHANGE IN MOORED VESSEL REQUIRES RE-ANALYSIS.

**CHAIN, HARDWARE, ROPE, AND MOORING COMPONENTS**

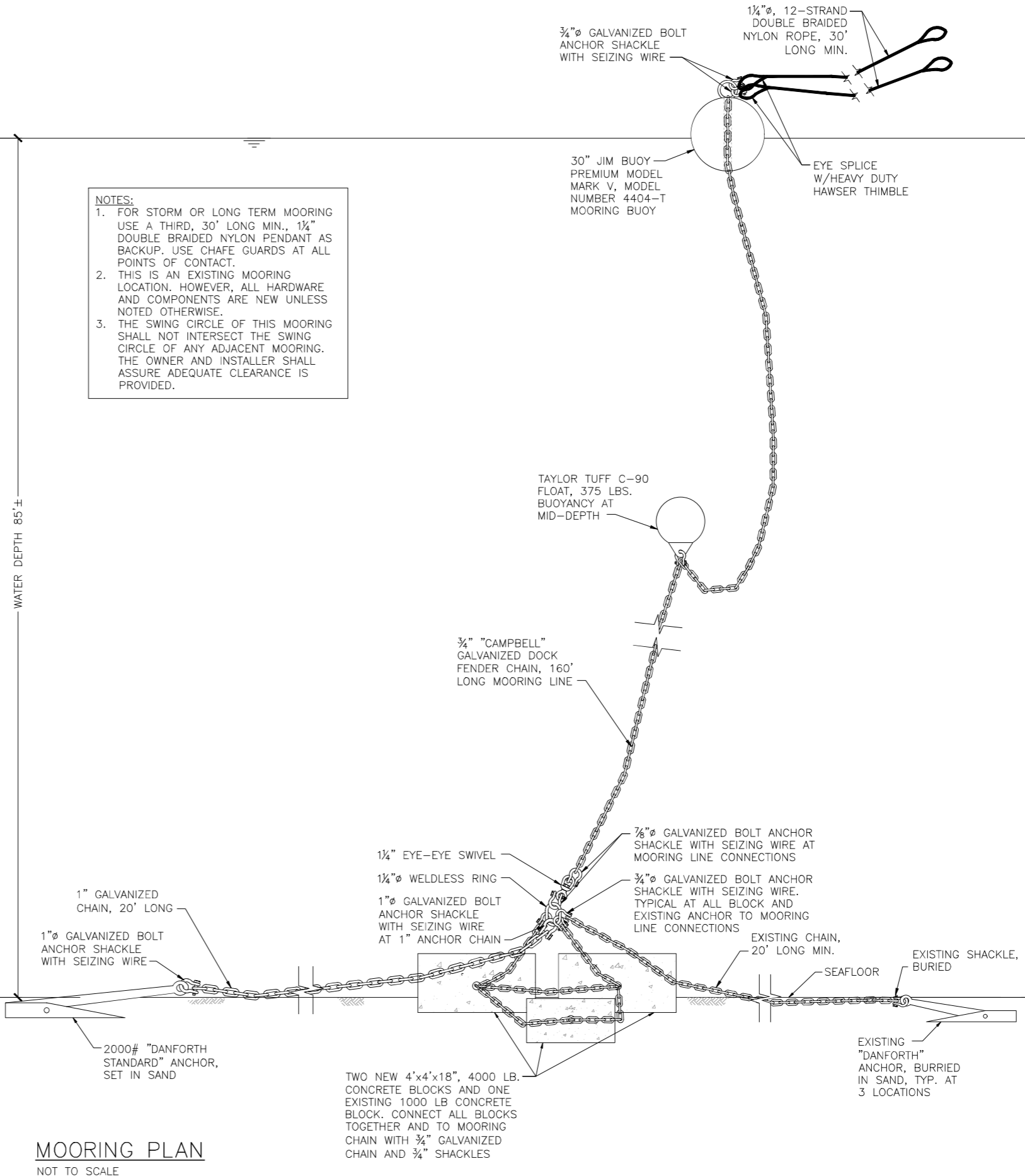
- A. ALL CHAIN AND HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
- B. THIMBLES OR CHAFE GUARDS SHALL BE USED WITH ROPES AT ALL POINTS OF CONTACT.
- C. SUBMIT PRODUCT DATA OF ALL CHAINS, HARDWARE, ROPE, AND MOORING COMPONENTS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

**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.

**NOTES:**

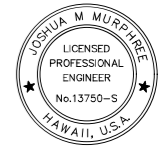
1. FOR STORM OR LONG TERM MOORING USE A THIRD, 30' LONG MIN., 1 1/4" DOUBLE BRAIDED NYLON PENDANT AS BACKUP. USE CHAFE GUARDS AT ALL POINTS OF CONTACT.
2. THIS IS AN EXISTING MOORING LOCATION. HOWEVER, ALL HARDWARE AND COMPONENTS ARE NEW UNLESS NOTED OTHERWISE.
3. THE SWING CIRCLE OF THIS MOORING SHALL NOT INTERSECT THE SWING CIRCLE OF ANY ADJACENT MOORING. THE OWNER AND INSTALLER SHALL ASSURE ADEQUATE CLEARANCE IS PROVIDED.



**MOORING PLAN**  
NOT TO SCALE

**PHREE CREATIONS, LLC.**

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



EXPIRES DATE OF THE LICENSE 4/30/2018  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION 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 JOBSITE 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 HAWAII/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

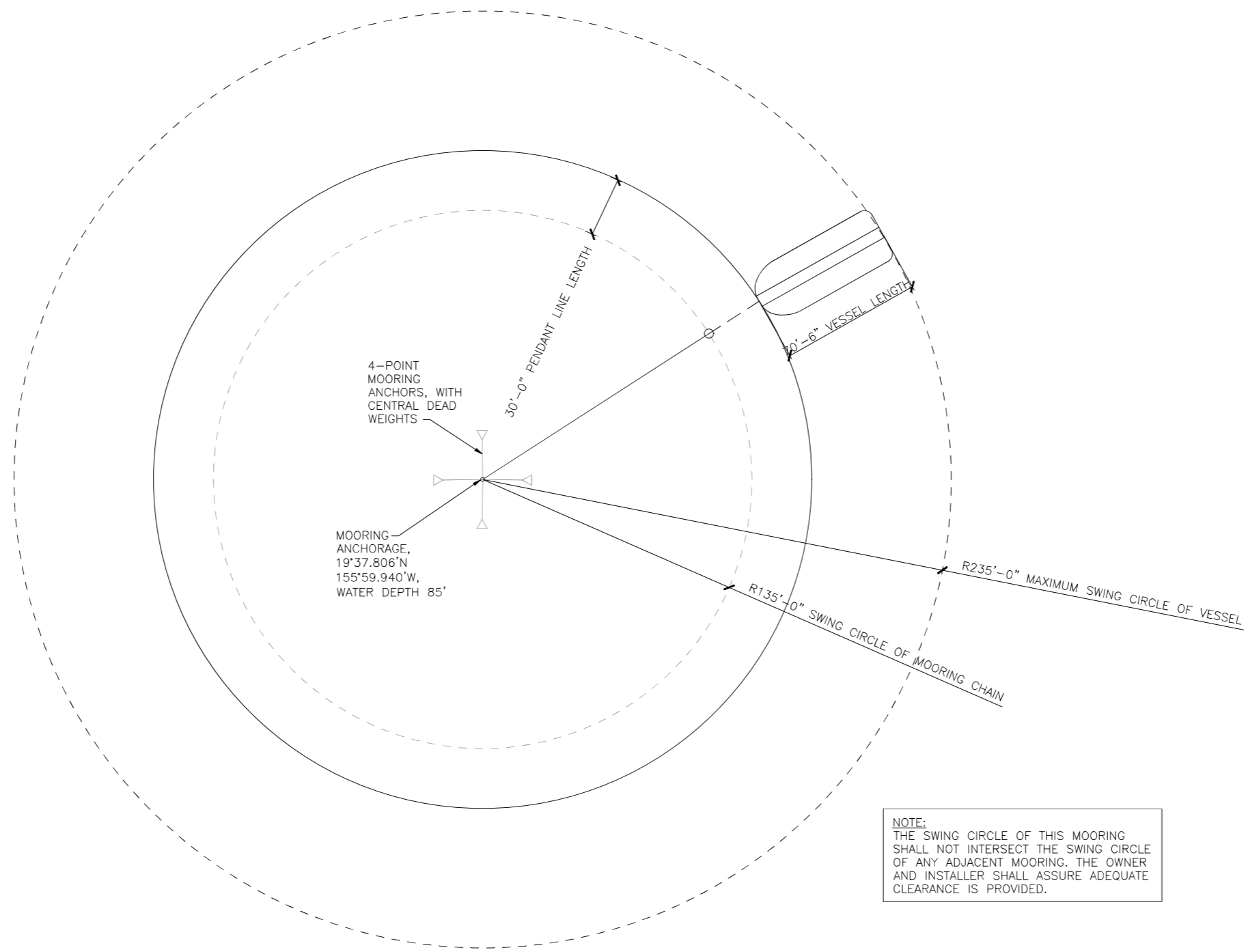
PROJECT  
PROPOSED  
OFFSHORE MOORING  
KAILUA-KONA MOORING ZONE  
FOR:  
**KONA AGGRESSOR II**

CONTACT: EVIN COTTER  
LIVE/DIVE PACIFIC, INC.  
74-5626 ALAPA ST.  
KEALAKEKUA, HI 96740  
PHONE: (808) 329-8182

GPS COORDINATES: 19°37.806'N  
155°59.940'W

SHEET TITLE  
**MOORING NOTES  
AND ELEVATION**

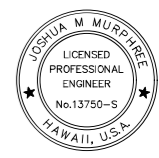
JOB NO. 2015-0007.40 DRAWING NO.  
DRAWN JMM **S-1**  
CHECKED JMM  
DATE MAY 30, 2017 SHEET 2 OF 3



**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.

SWING CIRCLE  
 SCALE: 1/32" = 1'-0"

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



*JM*  
 EXPIRES DATE OF THE LICENSE 4/30/2018  
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

**GENERAL NOTES**  
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REVISION MARK	DATE	DESCRIPTION
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PROJECT  
 PROPOSED  
 OFFSHORE MOORING  
 KAILUA-KONA MOORING ZONE  
 FOR:  
**KONA AGGRESSOR II**  
 CONTACT: EVIN COTTER  
 LIVE/DIVE PACIFIC, INC.  
 74-5626 ALAPA ST.  
 KEALAKEKUA, HI 96740  
 PHONE: (808) 329-8182  
 GPS COORDINATES: 19°37.806'N  
 155°59.940'W

SHEET TITLE  
**MOORING PLAN**

JOB NO. 2015-0007.40	DRAWING NO.
DRAWN JMM	<b>S-2</b>
CHECKED JMM	
DATE MAY 30, 2017	SHEET 3 OF 3