

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

October 12, 2018

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

Land Board Members:

SUBJECT: DECLARE INSTALLATION OF AN EXISTING OFFSHORE MOORING EXEMPT FROM REQUIREMENTS OF CHAPTER 343, HAWAII REVISED STATUTES, AND TITLE 11, CHAPTER 200, HAWAII ADMINISTRATIVE RULES AND APPROVE INSTALLATION AFTER-THE-FACT OUTSIDE OF AN EXISTING OFFSHORE MOORING AREA, LAHAINA, ISLAND OF MAUI, HAWAII, FOR KAA NAPALI QUEEN, INC.

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 outside of the Lahaina Offshore Mooring Zone. 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.

DOBOR is also requesting that the Board declare the installation exempt from the requirements of Hawaii Revised Statutes, Chapter 343 to prepare an Environmental Assessment (“EA”), due to the use of submerged State land.

The applicant, Kaanapali Queen, Inc. (“Applicant”), uses an existing offshore mooring installed outside of the Lahaina Offshore Mooring Area in Lahaina on the Island of Maui that has been in place for several years. Applicant is requesting that the Board declare the installation of the offshore 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. In addition, the Applicant is requesting that the Board approve the mooring installation outside of the Lahaina Offshore Mooring Zone, as required by HAR 13-235-9, due to the water depths there being too shallow and congestion of vessels within the mooring zone, both of which present a risk of damage to his vessel and possible grounding during large storm and ocean swell events. The Applicant’s request is attached as **Exhibit A**.

PERMITS AND COMPLIANCE WITH FEDERAL AND STATE 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, in order 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.

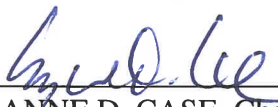
RECOMMENDATION

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 and approve the installation of the existing offshore mooring outside the 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 Outside of Lahaina Offshore Mooring Area, Lahaina, Island of Maui, for Kaanapali Queen, Inc.
Project / Reference No.:	N/A
Project Location:	Lahaina Offshore Mooring Area, 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 area of the existing offshore mooring is sand bottom with no coral reefs or marine features that are critical for aquatic species habitat or spawning areas in the proximity of the mooring anchor.
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"> - State DLNR, Office Conservation and Coastal Lands - State Office of Planning, Coastal Zone Management
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.

Ka'anapali Queen, Inc.

June 18, 2018

Request for Exemption from Requirement for Preparations of Environmental Assessment for and Approval for the Installation and Modification of an Existing Offshore Mooring within Lahaina Small Boat Harbor on the Island of Maui

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

SUBMITTED TO:

Mr. Finn McCall Board of Land & Natural Resources, State of Hawaii, Department of Land & Natural Resources (DLNR) Division of Boating and Ocean Recreation
4 Sand Island Access Road, Honolulu, HI 96819
Phone: (808) 587-3520
Email: finn.d.mccall@hawaii.gov

SUBMITTED BY:

Kaanapali Queen, Inc.
Denver Coon, Assistant Vice President
PO Box 1119
Lahaina, HI 96767
Phone: 808-283-2169
Email: denver.coon@sailtrilogy.com

REQUEST:

Kaanapali Queen, Inc. (hereinafter referred to as "Petitioner") requests approval for installation and modification of an existing offshore mooring within Lahaina Small Boat Harbor and an exemption from requirement for environmental assessment report associated with the proposed mooring installation, as the proposed mooring will have little to no environmental impact, as discussed herein below:

REASONING AND JUSTIFICATION FOR REQUEST:

ENVIRONMENTAL ASSESSMENT EXEMPTION –

- 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 proposed mooring installation, as the proposed installation will have little or no impact on the environment in the proposed 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 waters."

Ka'anapali Queen, Inc.

PROJECT DESCRIPTION –

Modification of an existing private offshore mooring buoy in Lahaina Small Boat Harbor, Lahaina Hawaii.

TECHNICAL DESCRIPTION OF PROPOSED INSTALLATION –

The modification of the mooring will be the retention of one mooring buoy comprised of one concrete block weighing approximately 3,600 pounds (lbs.). Two MR-SR manta marine anchors are to be driven 7 to 8 feet into the sand bottom approximately 14 feet apart and approximately 5 feet from the mooring block. There is a ¾-inch galvanized Campbell dock fender chain from the seafloor to the manta anchor attached with a ¾-inch galvanized bolt anchor shackle with seizing wire. The other end of the manta anchor is shackled with a ¾-inch galvanized bolt anchor shackle with seizing wire and a ¾-inch galvanized Campbell mooring chain that is 10 feet long.

The two 10 foot long chains are shackled to a weldless ring by a 7/8 –inch galvanized bolt anchor shackle with seizing wire. Going to the surface, there is a ¾-inch galvanized Campbell mooring chain that is 88 feet long which is shackled to a 7/8-inch galvanized bolt anchor shackle with seizing wire to a 1 ¼ inch forged eye-eye swivel. The eye swivel is shackled with a 7/8-inch galvanized bolt shackle with seizing wire to ¾-inch galvanized mooring chain six feet long. The 6-foot long chain goes thru a three inch tube in the buoy and is attached with ¾ inch galvanized bolt anchor with seizing wire. The buoy is a 36 inch mooring buoy with a 6 inch Diameter ring and star plate. The top of the mooring buoy has two 1 ¼ inch double braided nylon ropes which are 30 feet long with an eye splice with thimble attached to the buoy and eye splice (no thimble) at the other end. The chain is suspended and floating with one float ball with a 180-lb buoyancy at mid-depth (approx. 22 feet). All work will be conducted in accordance with the attached Army Corps of Engineers permit.

LOCATION OF PROPOSED INSTALLATION –

The proposed Mooring buoy will be located at center coordinates: Latitude: 20.86657N, Longitude: 156.68517W. The location is approximately 1,000 yards from the nearest shore.

PURPOSE OF PROPOSED INSTALLATION –

The proposed mooring will be used by the Petitioner solely for the purpose of mooring a sailing catamaran for commercial purposes.

IMPACT ON COASTAL ECOSYSTEMS –

NEGLIGIBLE The mooring site is 1,000 yards from the nearest shore and is not within the Special management Area or Shoreline Setback Area, nor is the site within a State Conservation District. This site does not provide habitat for 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

Ka'anapali Queen, Inc.

site is not on or close to any reef or coral colonies. No material will be placed or discharged in the project area. A MANTA RAY anchor will be attached to the existing mooring block and is an environmentally friendly anchor system that installs easily underwater with conventional equipment. No dredge or fill activities will be involved in the installation of the MANTA RAY mooring anchor. The mooring will be placed in an already existing designated DLNR "Offshore" mooring area.

IMPACT ON MARINE RESOURCES –

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

IMPACT ON HISTORIC RESOURCES –

NONE The project site is not within a designated historic or cultural district and has not been listed or nominated for the Hawaii or National Register of Historic Places. The proposed project site contains no known historic or archaeological 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 on the mooring location and will be visible. The mooring ball will be visible floating on the surface of the water.

ENCLOSURE: Army Corps of Engineers Permit #POH-2017-00059



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

June 7, 2018

SUBJECT: Nationwide Permit Verification for Kaanapali Queen Offshore Mooring,
Outside of Lahaina Small Boat Harbor, Island of Maui, Hawaii, Department of the Army
File No. POH-2017-00059

Denver Coon
Kaanapali Queen, Inc.
PO Box 1119
Lahaina, HI 96767

Dear Mr. Coon:

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed review of your Pre-Construction Notification dated March 29, 2017 requesting authorization for the proposed reinforcement off an offshore mooring buoy located outside of Lahaina small boat harbor, Island of Maui, Hawaii; Latitude: 20.8656°, Longitude: -156.68517°. Please reference Department of the Army (DA) file number POH-2017-00059 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):

Reinforce an existing offshore commercial, concrete block mooring located outside of Lahaina small boat harbor, Maui, Hawaii. The proposed work includes using a hydraulic hammer to install two manta anchors, which are "spade" type anchors, approximately 7 ft into the sea floor in an area with sandy bottom. The two Manta Anchors will be spaced at a minimum of 14' from one another. New 3/4" galvanized chain will run from both Manta Anchors to a 7/8" galvanized shackle on the existing concrete block. Eighty-eight (88) feet of new 3/4" galvanized chain will run from the shackle on the existing concrete block to a 36" mooring buoy at the surface. A float with a minimum of 180 lbs. of buoyance will be placed at mid-depth. No fill material will be discharged.

The existing mooring buoy will replace a mooring which has been in place for the past few years. The new mooring buoy would be located among numerous other buoys within the Lahaina Mooring Zone, outside of Lahaina Small Boat Harbor, Island of Maui, Hawaii. The mooring will be installed in an area where the bottom

consists of fine sand, medium density, and coral rubble. There is seagrass within the vicinity. The area was determined to be void of any living corals. This mooring is located within a designated mooring zone by DLNR-DOBOR, which permits recreational and commercial use of this area.

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*, the *Honolulu District Regional Conditions* (Enclosure 2), and the following project-specific Special Conditions:

1. **Pre-Construction Meeting.** You must extend an invitation to the Corps to attend a pre-construction meeting to discuss the terms and conditions of this permit. The pre-construction meeting must be scheduled a minimum of 7-days prior to commencement of the authorized work. The pre-construction meeting must be attended by the following individuals, the permittee or duly authorized agent (as identified on your PCN) and your construction contractor. The Corps may attend the pre-construction meeting in person or via teleconference. The intent of the preconstruction meeting is to ensure all parties are aware of the permit terms and conditions and so the Corps may obtain verbal confirmation from the permittee and construction contractor of the ability to comply with the permit terms and conditions. Any modifications to the scope of work must be identified at this meeting so the Corps may determine if the proposed modification requires modification of your permit.
2. **Notification.** You must notify this office of your intent to proceed with the authorized work in waters of the U.S. a minimum of 3 days prior to commencement. Your notification should be transmitted via email or phone number using the contact information provided on your verification letter.
3. **Essential Fish Habitat.** You must comply with the following conditions to avoid and/or minimize adverse impacts to EFH resources:
 - a. The applicant should have plans in place to avoid the discharge of any potential pollutants from mooring installation vessel, installation activities, and the
 - b. The Applicant should have a long term maintenance plan for each mooring and buoy to ensure its integrity. Once it is no longer needed, the applicant is responsible for removing all components of the mooring buoy to ensure that it does not become marine debris. This will avoid impacts to nearby resources from broken and derelict buoys and vessels.
4. **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 imbricata*), 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 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 attached Standard Local Operating Procedures for Endangered Species in the Central and Western Pacific Region (Pac-SLOPES) general conditions and best management practices (BMPs) (Enclosure 4).
5. You must implement and abide by the conditions of your individual Section 401 Water Quality Certification issued for this project by the State of Hawaii Department of Health, Clean Water Branch.
6. You must implement and abide by the conditions of the Coastal Zone Management (CZM) Consistency Concurrence issued for this NWP on February 22, 2017 by the State of Hawaii, Department of Business, Economic Development and Tourism, Office of Planning. Expiration of your CZM Consistency Concurrence invalidates this authorization.

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 Clean Water Act and 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.

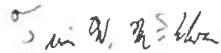
General Condition #30 requires a signed certification be submitted to this office upon completion of work. Therefore, please sign, date and return the enclosed *Compliance*

Certification form (Enclosure 3) within 7 days of completion of work to the email address specified below or to the mailing address indicated on the letterhead above.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this NWP must receive a Section 401 Water Quality Certification (WQC) (or waiver) and Coastal Zone Management (CZM) Federal consistency concurrence, issued by the State of Hawaii, Department of Health, Clean Water Branch (DOH-CWB) and the State of Hawaii, Department of Business, Economic Development and Tourism, Office of Planning.

Thank you for your cooperation with the Honolulu District Regulatory Program. Should you have any questions related to this authorization, please contact Jason Brewer of my staff at (907) 753-2823 or via e-mail at Jason.D.Brewer@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.

Sincerely,



Digitally signed by
MCELWAIN:TUNIS.W.1239553008
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=MCELWAIN:TUNIS.W.1239553008
Date: 2018.06.11 08:16:31 -10'00'

Tunis W. McElwain
Chief, Regulatory Branch

Enclosures

CC:

USCG (Jason Olney)

State of Hawaii Department of Health, Clean Water Branch (DOH-CWB)

State of Hawaii Office of Planning, Coastal Zone Management Program (Hawaii CZM Program)

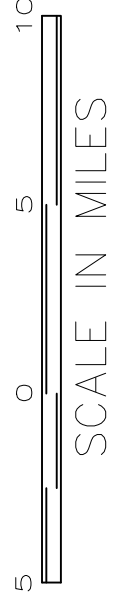
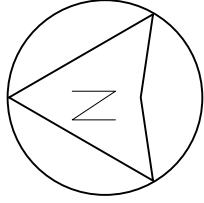
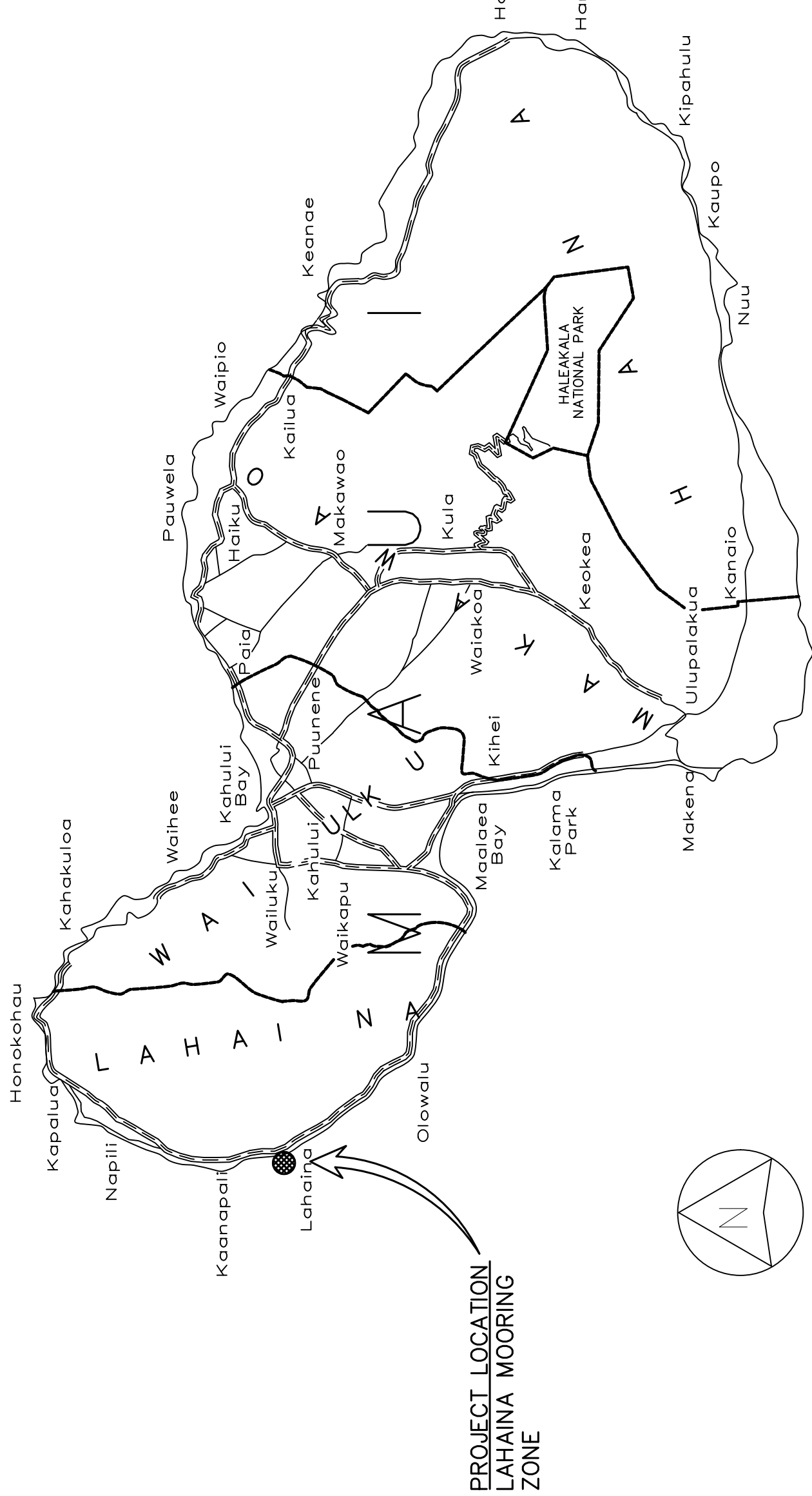
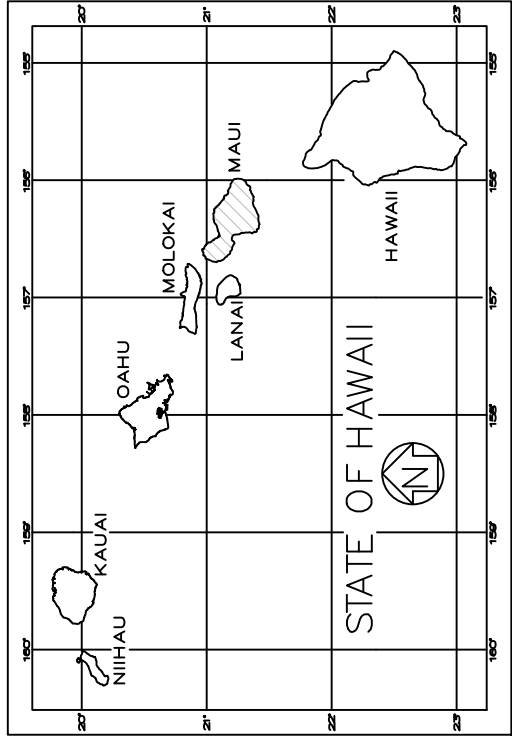
OFFSHORE MOORING - LAHAINA MOORING ZONE

FOR: KAA NAPALI QUEEN, INC. - TRILOGY III

POINT OF CONTACT : DENVER COON

GPS COORDINATES OF MOORING : 20.86557°N, 156.68517°W

APPROXIMATE WATER DEPTH : 44'



Department of Land and Natural Resources

Division of Boating and Ocean Recreation

PLAN REVIEW:

☒ Approved

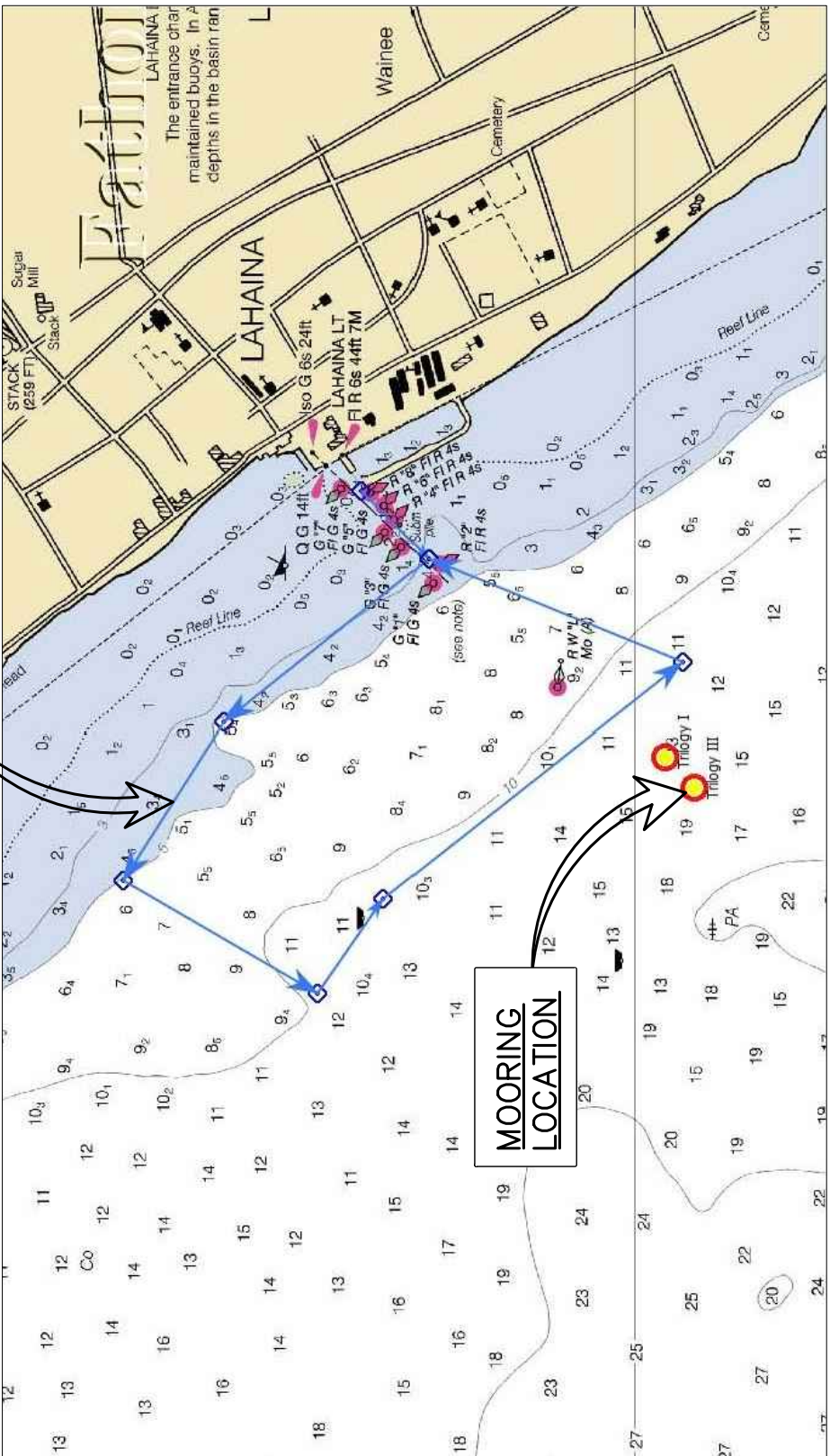
☐ Rejected

By: **Date:** 3/21/17

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.

☒ Approved, as noted

☐ Revise & Resubmit



LOCATION MAP

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

PHREE
CREATIONS, LLC.

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



[Signature]

EXPIRATION DATE OF THE LICENSE 4/30/2018

THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

GENERAL NOTES

CONTRACTOR/OWNER SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE URSITE 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			
PROPOSED			
OFFSHORE MOORING			
LAHAINA MOORING ZONE			
FOR:			
KAA NAPALI			
QUEEN, INC.			
CONTACT: DENVER COON			
207 KUPUOHU ST.			
LAHAINA HAWAII 96761			
PHONE: (808) 283-2169			
GPS COORDINATES: 20.86557°N			
156.68517°W			

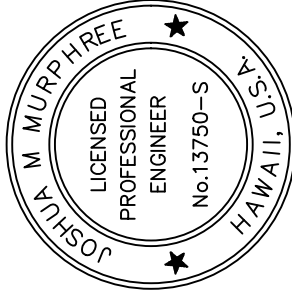
SHEET TITLE

TITLE SHEET

JOB NO. 2015-0007.35	DRAWING NO.
DRAWN JMM	T-1
CHECKED JMM	
DATE FEB. 16, 2017	SHEET 1 OF 3

PHREE
CREATIONS, LLC.

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



[Signature]

EXPIRATION DATE OF THE LICENSE 4/30/2018
THIS WORK WAS PREPARED BY
PHREE CREATIONS, LLC
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.

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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

PROPOSED

OFFSHORE MOORING
LAHAINA MOORING ZONE

FOR:

KAANAPALI
QUEEN, INC.

CONTACT: DENVER COON
207 KUPUOHU ST.
LAHAINA HAWAII 96761
PHONE: (808) 283-2169

GPS COORDINATES: 20.86557°N
156.68517°W

SHEET TITLE

SWING CIRCLE

JOB NO. 2015-0007.35 DRAWING NO.

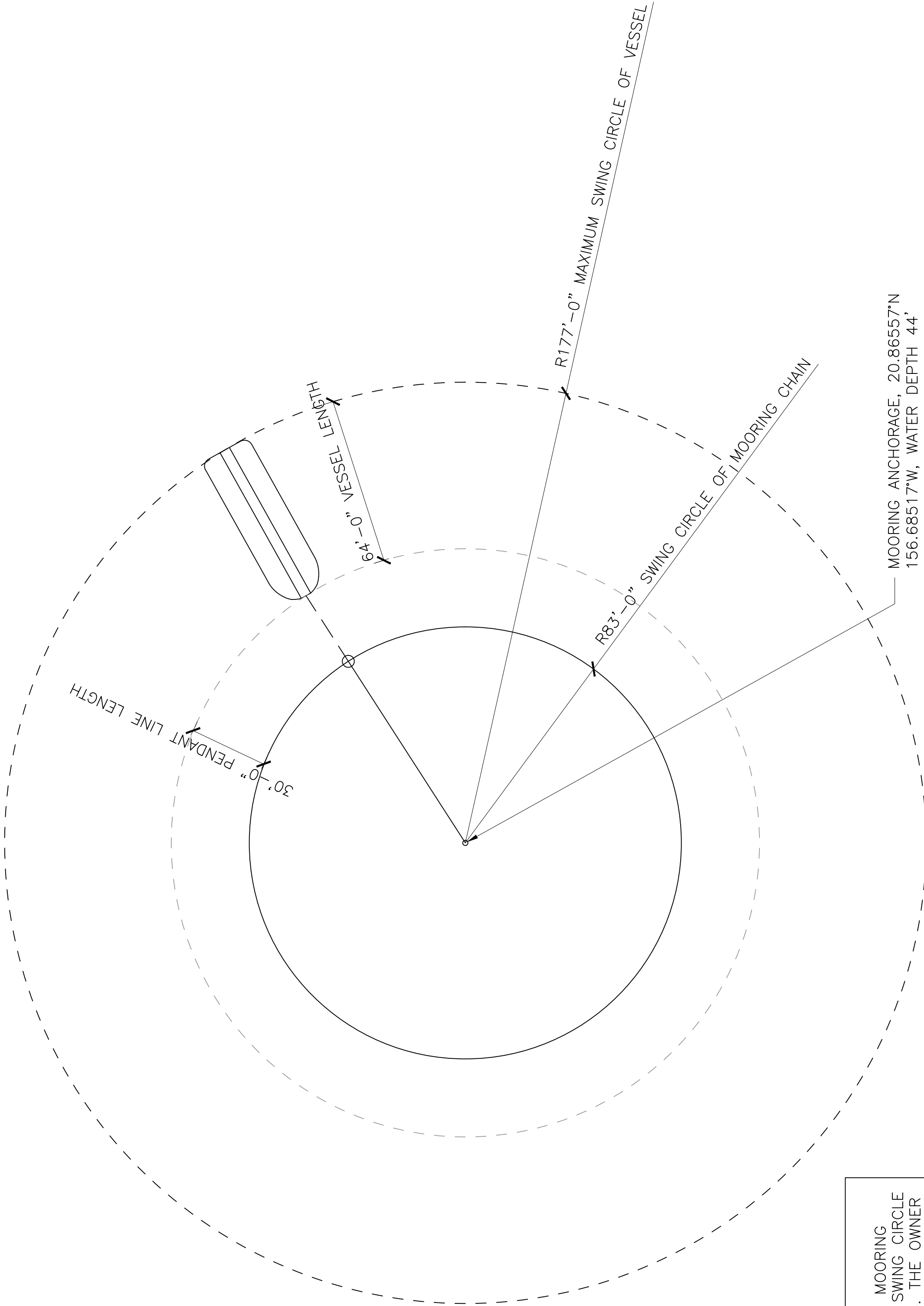
DRAWN JMM

CHECKED JMM

DATE FEB. 16, 2017 SHEET 3 OF 3

SWING CIRCLE

SCALE: 1/32" = 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.