

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 AN EXISTING OFFSHORE MOORING EXEMPT FROM REQUIREMENTS OF CHAPTER 343, HAWAII REVISED STATUTES, AND TITLE 11, CHAPTER 200, HAWAII ADMINISTRATIVE RULES AND APPROVE THE INSTALLATION AFTER-THE-FACT, MALA WHARF OFFSHORE MOORING AREA, LAHAINA, ISLAND OF MAUI, FOR CHAD GERSTMAR

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 the Mala Wharf Offshore Mooring Area and declare the installation 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, Chad Gerstmar (“Applicant”), uses an existing offshore mooring installed within the Mala Wharf Offshore Mooring Area that has been in place for several years. He is requesting that the Board approve the installation of the offshore mooring and declare the installation 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 and approve the installation of the existing offshore mooring within the Mala Wharf 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

Approve Existing Offshore Mooring and
Declare Exempt from EA Requirements
Chad Gerstmar
Mala Wharf Offshore Mooring Area, Lahaina, Island of Maui

October 12, 2018
Item J-11

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 in Mala Wharf Offshore Mooring Area, Lahaina, Island of Maui, for Mr. Chad Gerstmar |
| Project / Reference No.: | N/A |
| Project Location: | Mala Wharf 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. |

EXHIBIT A

Chad M. Gerstmar
PO Box 12894
Lahaina, HI 96761

(808) 250-4627

Request for Exemption from Requirement for Preparation of Environmental Assessment for and Approval for the Modification of an Existing Offshore Mooring within Mala Mooring Field, Lahaina on the Island of Maui.

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

Submitted to:

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

Submitted by:

Chad M. Gerstmar Email: yerbanated@yahoo.com Phone: (808) 250-4627

Request:

Chad M. Gerstmar (hereinafter referred to as "Petitioner") requests approval for the modification of an existing offshore mooring within Mala Mooring Field and exemption from requirement for environmental assessment report associated with the proposed mooring modification, 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 and land waters.

PROJECT DESCRIPTION-

Modification of a private offshore mooring buoy in Mala Mooring Field, Lahaina, Maui, HI.

Technical Description of Proposed Modification-

This project is in reference to an already installed single point mooring buoy for a recreational sailing vessel deployed in approximately 30-foot deep water, located approximately 500 feet from the

shoreline in the Mala Mooring Field near Lahaina, near the island of Maui at 20°53.322'N, 156°41.264'W. The existing anchoring mooring is comprised of a 9,000-lbs concrete block, attached to one ¾-inch galvanized shackle with seizing wire, attached to 35-feet of 5/8-inch galvanized chain, attached to one ¾-inch galvanized shackle with seizing wire, attached to one inflatable float at mid depth, attached to one ¾ inch galvanized shackle with seizing wire, attached to 25-feet of 1 ¼-inch blue steel rope, attached to one ¾-inch galvanized shackle with seizing wire, attached to one 1-inch galvanized swivel, attached to three ¾-inch galvanized shackles with seizing wire, attached to one existing mooring ball and two 20-foot sections of 1 ¼-inch double braided nylon rope. All of the mentioned hardware has replaced the old and is new per the drawings since 2017.

Location of Proposed Modification-

20°53.322'N, 156°41.264'W

Purpose of Proposed Modification-

The proposed mooring will be used by the petitioner solely for the purpose of mooring the Sailing Vessel Nimbus for recreational purposes.

Impact on Coastal EcoSystems-

NEGLIGIBLE- The proposed mooring site is 500 linear feet 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. 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 reef or coral colonies. No material will be placed or discharged in the project area. No dredge or fill activities will be involved. The mooring is placed in an existing designated DLNR "Offshore" mooring area.



DEPARTMENT OF THE ARMY
ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS
REGULATORY DIVISION
P.O. BOX 22270
JUNEAU, ALASKA 99802-2270
June 19, 2018

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

Mr. Chad Gerstmar
P.O. Box 12894
Lahaina, HI 96761

Dear Mr. Gerstmar:

The Alaska District in support of the Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed a review of your Pre-Construction Notification dated April 26, 2018 requesting authorization for the proposed Mooring Buoy located at Latitude: 20.888742 , Longitude: -156.687749 , 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-2018-97 in any future correspondence related to this permit.

We have determined your proposed work involves work in or affecting navigable waters and requires prior authorization from the Corps in accordance with Section 10 of the Rivers & 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 buoy for a private vessel deployed in approximately 30-foot deep water over flat lava rock covered in two to three feet of sandy ocean substrate, approximately 500-feet from the shoreline in Mala Mooring Zone, Island of Lahaina, Maui, Hawaii at 20.888742, -156.687749. The existing mooring anchoring system is comprised of, one 9,000-lb 4.5-foot by 4.5-foot by 3-foot concrete block, attached to one ¾-inch ∅ galvanized shackle with seizing wire, attached to 35-feet of 5/8-inch ∅ galvanized chain, attached to one ¾-inch ∅ galvanized shackle with seizing wire, attached to one inflatable float at mid depth, attached to one ¾-inch ∅ galvanized shackle with seizing wire, attached to 25-feet of 1¼ -inch ∅ blue steel rope, attached to three ¾-inch ∅ galvanized shackles with seizing wire, attached to one existing mooring buoy and two 20-foot sections of 1¼ -inch ∅ 12-strand double braided 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 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 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 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. 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,

A handwritten signature in black ink, appearing to read "Randal Vigil". The signature is fluid and cursive, with the first name being more prominent.

Randal Vigil
Chief, Southeast Section

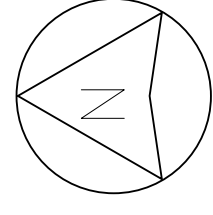
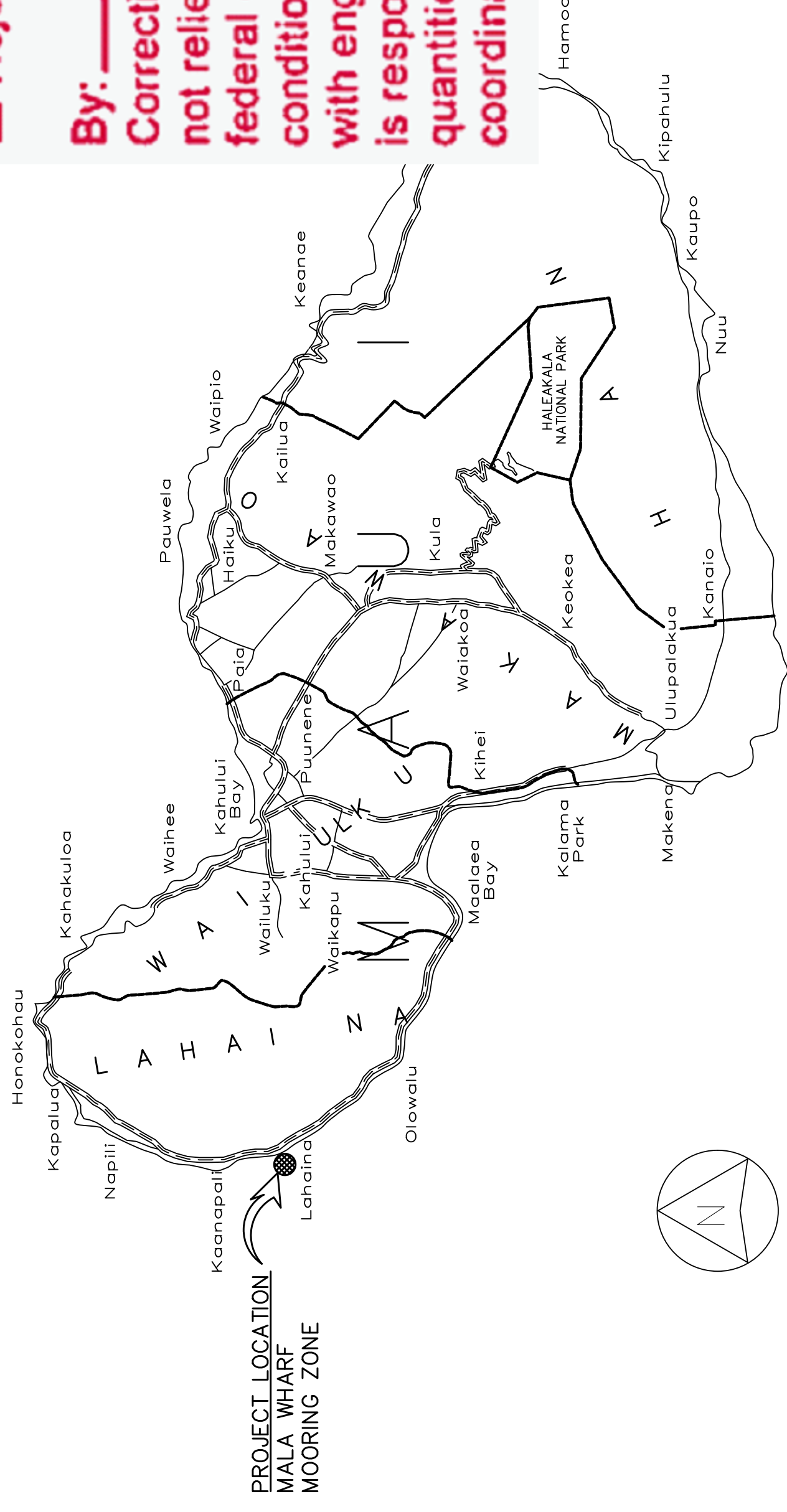
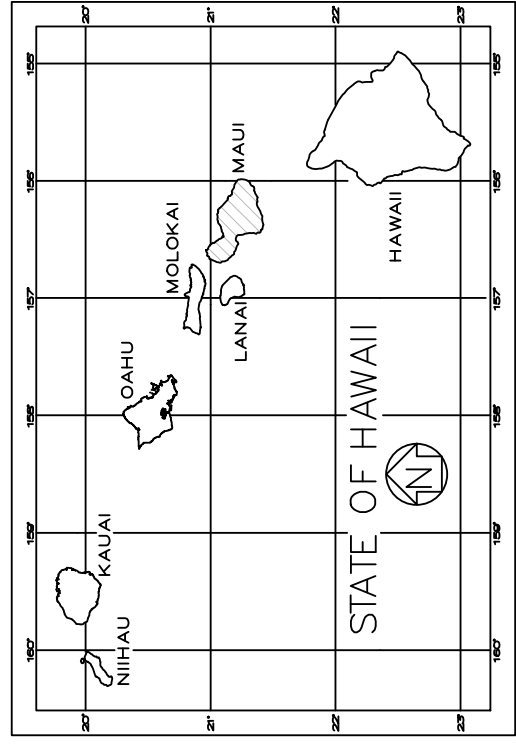
Enclosure(s)

cc:

Mr. Chad Gerstmar – Yerbanated@Yahoo.com
U.S. Coast Guard – John Bannon – John.E.Bannon@uscg.mil
U.S. Coast Guard – Jason Olney – Jason.R.Olney@uscg.mil
State of Hawaii Department of Health, Clean Water Branch (DOH-CWB) –
CleanWaterBranch@doh.hawaii.gov
State of Hawaii Office of Planning, Coastal Zone Management Program (Hawaii CZM
Program) – John.D.Nakagawa@hawaii.gov

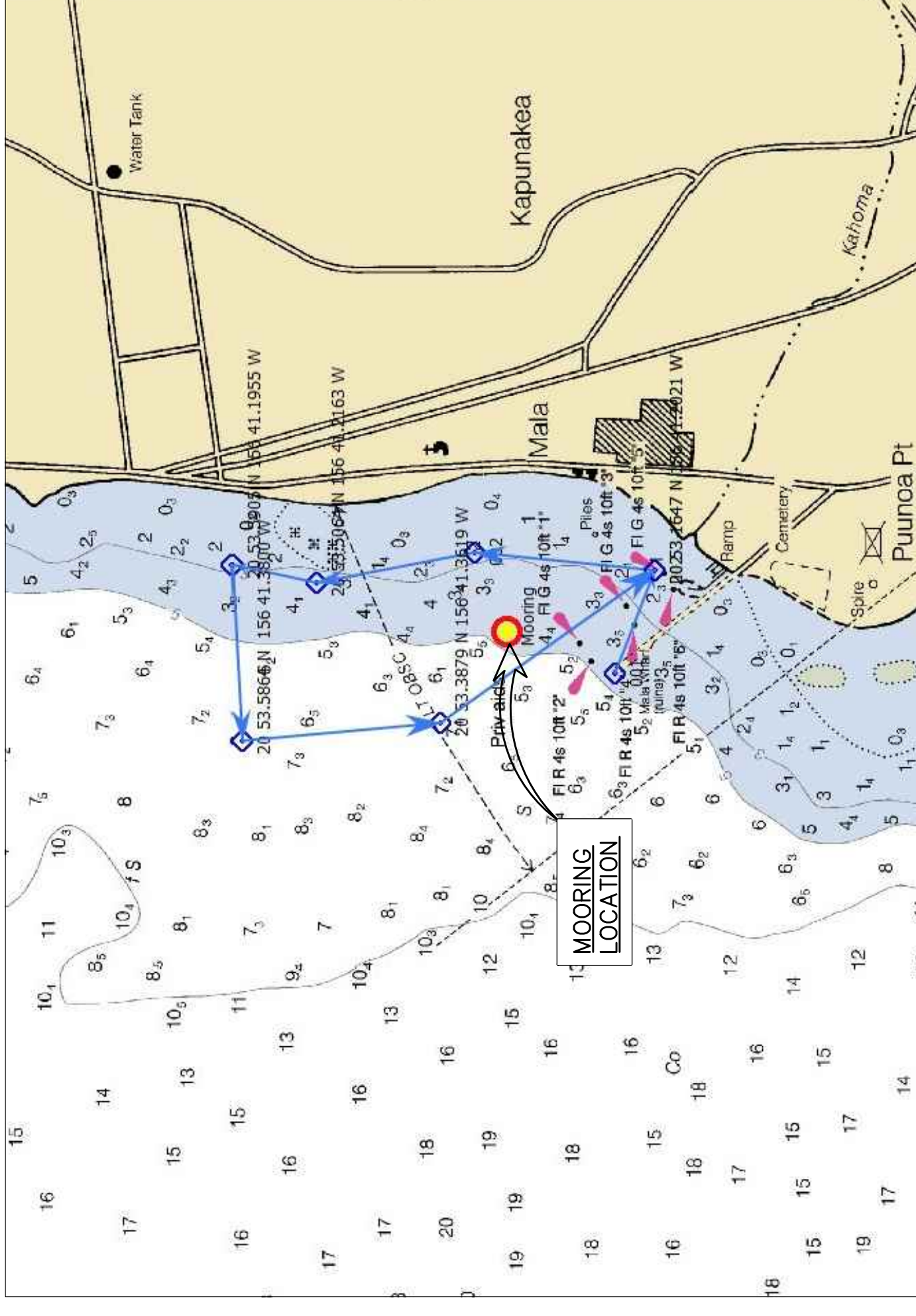
MALA WHARF OFFSHORE MOORING FOR: CHAD GERSTMAR

GPS COORDINATES OF MOORING : 20°53.322'N, 156°41.264'W
APPROXIMATE WATER DEPTH : 30'



SCALE IN MILES

VICINITY MAP



LOCATION MAP

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

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



JM
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 URGEST BEFORE PROCEEDING WITH THE WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
ALL CONSTRUCTION SHALL CONFORM TO THE OREGON 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
MALA WHARF OFFSHORE MOORING
FOR:

CHAD GERSTMAR

PHONE: (808) 250-4627

GPS COORDINATES: 20°53.322'N
156°41.264'W

SHEET TITLE
TITLE SHEET

JOB NO. 2015-0007.75 DRAWING NO. T-1
DRAWN JMM
CHECKED JMM
DATE MAR. 13, 2018 SHEET 1 OF 3

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

Approved Approved, as noted
 Rejected Revise & Resubmit

By: *JMM* Date: 4/11/18

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.

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.
- 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 KNOT
 - D. WAVES AND TIDAL VARIATIONS:
 - 1. PEAK WAVE HEIGHT: 5 FEET
- DESIGN VESSEL: "NIMBUS"
- 1. LOA: UP TO 35'-0"
 - 2. BEAM: UP TO 9'-1"
 - 3. DRAFT: UP TO 5'-2"
 - 4. DISPLACEMENT: UP TO 7 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.
 - 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.

**PHREE
CREATIONS, LLC.**

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



J. M. Murphy
 EXPIRES ON DATE OF THE LICENSE 4/30/2018
 THIS WORK WAS PREPARED BY
 ME OR UNDER MY CLOSE PERSONAL
 SUPERVISION AND I AM AWARE OF THE
 AND CONSTRUCTION OF THIS PROJECT
 WILL BE UNDER MY OBSERVATION

GENERAL NOTES

CONTRACTOR/OWNER 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 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
 MALA WHARF OFFSHORE MOORING
 FOR:

CHAD GERSTMAR

PHONE: (808) 250-4627

GPS COORDINATES: 20°53.322'N
 156°41.264'W

SHEET TITLE

**MOORING NOTES
AND DETAILS**

JOB NO. 2015-0007.75 DRAWING NO.

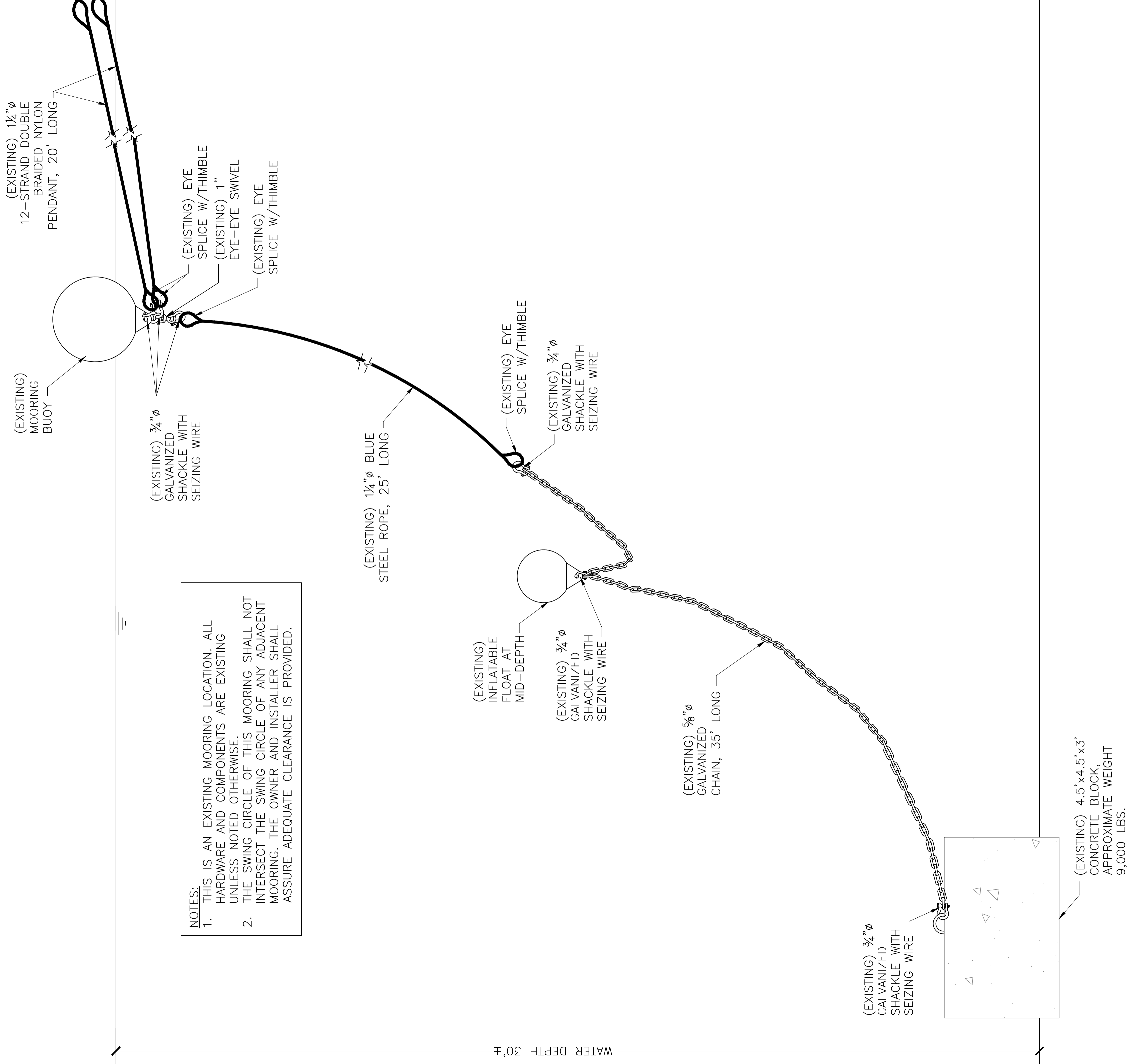
DRAWN JMM

CHECKED JMM

DATE MAR. 13, 2018 SHEET 2 OF 3

MOORING DETAILS

NOT TO SCALE



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.

WATER DEPTH 30 FT

**PHREE
CREATIONS, LLC.**

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



JM
EXPIRATION DATE OF THE LICENSE 4/30/2018
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM AWARE OF THE CONTENTS AND CONSTRUCTION OF THIS PROJECT AND WILL BE UNDER MY OBSERVATION.

GENERAL NOTES
CONTRACTOR/OWNER 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 OREGON 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
MALA WHARF OFFSHORE MOORING
FOR:

CHAD GERSTMAR

PHONE: (808) 250-4627

GPS COORDINATES: 20°53.322'N
156°41.264'W

SHEET TITLE

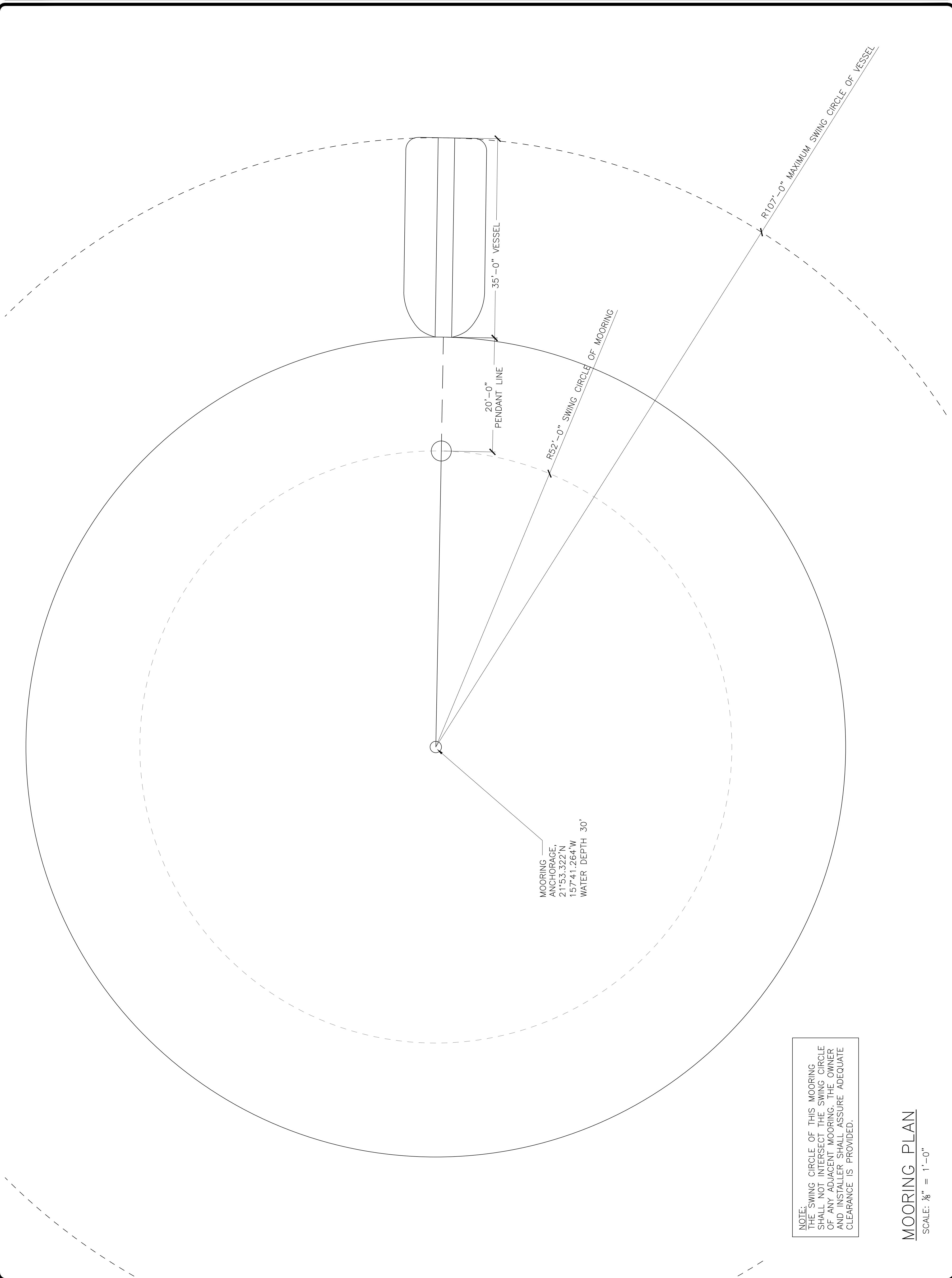
MOORING PLAN

JOB NO. 2015-0007.75 DRAWING NO.

DRAWN JMM S-2

CHECKED JMM

DATE MAR. 13, 2018 SHEET 3 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.

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