



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District
3301 Gun Club Road, MSC7210-1
West Palm Beach, FL 33406
561-681-6600

Rick Scott
Governor

Carlos Lopez-Canera
Lt. Governor

Noah Valenstein
Secretary

City of Miami
Department of Real Estate and Asset Management
c/o Daniel Rotenberg, Director
444 SW 2nd Avenue, Suite 325
Miami, FL 33130

File No.: 13-0367937-001-EG
File Name: Watson Island Mooring Field

Dear Mr. Rotenberg:

On August 21, 2018, we received your application for an Individual Permit which, with your acknowledgement, was downgraded to a notice of intent to use a General Permit (GP), pursuant to Rule 62-330.420, Florida Administrative Code. The project is to install a managed mooring field adjacent to Watson Island, which shall accommodate 100 vessels. The project is located in the Biscayne Bay, within the Biscayne Bay Aquatic Preserve, Outstanding Florida Waters, Class III Waters, adjacent to 1099 MacArthur Causeway, Miami (Section 32, Township 53 South, Range 42 East), in Miami-Dade County (Latitude N 25° 47' 5.88", Longitude W 80° 10' 9.90").

Your intent to use a general permit has been reviewed by Department staff for three types of authorizations: (1) regulatory authorization, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal authorization. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully.

Your project did not qualify for the federal review portion of this verification request. **Additional authorization must be obtained prior to commencement of the proposed activity.** This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity. Please refer to the specific section(s) dealing with that portion of the review below for advice on how to proceed.

1. Regulatory Review. – APPROVED

Authority for review- Part IV of Chapter 373, F.S., Title 62, F.A.C. and in accordance with the operating agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C.

Based on the forms, drawings, and documents submitted with your notice, it appears that the project meets the requirements for the General Permit under Rule 62-330.420, F.A.C. Any activities performed under a general permit are subject to general conditions required in Rule 62-330.405, F.A.C. (attached), and the specific conditions of Rule 62-330.420, F.A.C. (attached).

Any deviations from these conditions may subject the permittee to enforcement action and possible penalties.

Please be advised that the construction phase of the GP must be completed within five years from the date the notice to use the GP was received by the Department. If you wish to continue this GP beyond the expiration date, you must notify the Department at least 30 days before its expiration.

2. Proprietary Review – PENDING

The Department acts as staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees) and issues certain authorizations for the use of sovereign submerged lands. The Department has the authority to review activities on sovereign submerged lands under chapters 253 and 258 of the Florida Statutes, and chapters 18-18, 18-20 and 18-21 of the Florida Administrative Code.

Your proposed project will occur on sovereignty submerged land and will require authorization from the Board of Trustees to use public property. As staff to the Board of Trustees, we have reviewed the project and have determined that the activity requires a sovereignty submerged lands lease for the use of those lands, pursuant to Chapter 253.77, Florida Statutes. In order to review your application, we need, within 60 calendar days, the information listed in the enclosed request for additional information. If the information is not received within 60 calendar days, your application may be denied without prejudice. **You may not begin construction of the proposed projects on sovereignty submerged land until the appropriate state lands authorization has been issued by the Department.**

3. Federal Review – SPGP NOT APPROVED

Your proposed activity as outlined on your application and attached drawings does not qualify for Federal authorization pursuant to the State Programmatic General Permit and a SEPARATE permit or authorization shall be required from the Corps. You must apply separately to the Corps using the appropriate federal application form (ENG 4345). More information about Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook.

Authority for review - an agreement with the USACOE entitled “Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit”, Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this general permit. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S., and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any email address, any facsimile number, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the applicable deadline for

filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

If you revise your project after submitting the initial joint application, please contact us as soon as possible. Also, if you have any questions, please contact Stacy Cecil at the letterhead address or at (561) 681-6629 or by email at Stacy.Cecil@floridadep.gov. When referring to this project, please use the FDEP file number listed above.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Stacy Cecil
Environmental Specialist II
Southeast District

Attachment(s):

General Conditions for All General Permits, Ch. 62-330.405, F.A.C.
Specific General Permit Rule, Ch. 62-330.420, F.A.C.
Project Drawings, 10 pages
Attachment B – Request for Additional Information

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

FDEP – Chris Weller, Stacy Cecil
Kirk Lofgren, Ocean Consulting, LLC, kirk@oceanconsultingfl.com
Kellie Youmans, FWC, Kellie.Youmans@myfwc.com
Lisa Spadafina, Miami-Dade County RER, spadaL2@miamidade.gov
Laura Eldredge, Biscayne Bay Aquatic Preserve, Laura.Eldredge@dep.state.fl.us

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

December 11, 2018
Date

62-330.405 General Conditions for All General Permits

The following general permit conditions are binding upon the permittee and are enforceable under Chapter 373, F.S. These conditions do not apply to the general permit in Section 403.814(12), F.S.

(1) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit and may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

(2) This general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.

(3) This general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit.

(4) The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution that violates state water quality standards.

(5) Section 253.77, F.S., provides that a person may not commence any excavation, construction, or other activity involving the use of state-owned or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required consent, lease, easement, or other form of authorization authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on state-owned lands.

(6) The authorization to conduct activities under a general permit may be modified, suspended or revoked in accordance with Chapter 120, F.S., and Section 373.429, F.S.

(7) This permit shall not be transferred to a third party except pursuant to Rule 62-330.340, F.A.C. The permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted project, activity, or the real property at which the permitted project or activity is located.

(8) Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to ensure conformity with the plans and specifications approved by the permit.

(9) The permittee shall maintain any permitted project or activity in accordance with the plans submitted to the Agency and authorized in this general permit.

(10) A permittee's right to conduct a specific activity under this general permit is authorized for a duration of five years.

(11) Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be implemented and maintained immediately prior to, during, and after construction as needed to stabilize all disturbed areas, including other measures specified in the permit to prevent adverse impacts to the water resources and adjacent lands. Erosion and sediment control measures shall be installed and maintained in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, available at www.dep.state.fl.us/water/wetlands/docs/erp/FLerosionSedimentManual_6_07.pdf, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, available at www.dep.state.fl.us/water/nonpoint/docs/erosion/erosion-inspectors-manual.pdf.

(12) Unless otherwise specified in the general permit, temporary vehicular access within wetlands during construction shall be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Within forested wetlands, the permittee shall choose alignments that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles shall be operated on wooden, composite, metal, or other non-earthen construction mats. In all cases, access in wetlands shall comply with the following:

(a) Access within forested wetlands shall not include the cutting or clearing of any native wetland tree having a diameter 4 inches or greater at breast height;

(b) The maximum width of the construction access area shall be limited to 15 feet;

(c) All mats shall be removed within 72 hours after the work commences; and

(d) Areas disturbed for access shall be restored to natural grades immediately after the maintenance or repair is completed.

(13) Barges or other work vessels used to conduct in-water activities shall be operated in a manner that prevents unauthorized dredging, water quality violations, and damage to submerged aquatic communities.

(14) The construction, alteration, or use of the authorized project shall not adversely impede navigation or create a navigational hazard in the water body.

(15) Except where specifically authorized in a general permit, activities must not:

(a) Impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands;

(b) Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to Section 373.042, F.S., or a Works of the District established pursuant to Section 373.086, F.S.; or

(16) If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S.

(17) The activity must be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed, and must comply with any applicable District special basin and geographic area criteria.

(18) The permittee shall comply with the following when performing work within waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon:

(a) All vessels associated with the project shall operate at "Idle Speed/No Wake" at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

(b) All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.

(c) All in-water activities, including vessel operation, must be shutdown if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.

(d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and ImperiledSpecies@myFWC.com.

(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at imperiledspecies@myfwc.com with details of the event within 24 hours following detection of the spill or frac-out.

(19) The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any activity authorized by the general permit.

(20) The permittee shall immediately notify the Agency in writing of any submitted information that is discovered to be inaccurate.

Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.4131, 373.414(9), 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.044, 373.118(1), 373.129, 373.136, 373.406(5), 373.413, 373.4131, 373.414(9), 373.4145, 373.416, 373.422, 373.423, 373.429, 403.814(1) FS. History—New 10-3-95, Amended 10-1-07, Formerly 62-341.215, Amended 10-1-13.

62-330.420 General Permit to Local Governments for Public Mooring Fields.

(1) A general permit is granted to any local government to construct, operate, and maintain a public mooring field for up to 100 vessels, including a dinghy dock and sewage pumpout dock directly supporting the mooring field.

(2) The Notice of Intent to use this general permit required under subsection 62-330.402(1), F.A.C., shall include the following additional information:

(a) Mooring Field Management Plan (Management Plan) that provides reasonable assurance that the mooring field and supporting land-based facility will comply with all of the requirements of this general permit. The Management Plan shall be binding on the permittee for the life of the mooring field. Any revisions or modifications to the Management Plan require written approval, by the Department, prior to becoming effective.

(b) All drawings and documents in support of the proposed mooring field and associated land-based support facility, including details on the anchoring systems proposed for mooring vessels in the mooring field, and any docks, pumpout facilities, kiosks, and in-water navigational signs and markers proposed.

(c) A scaled bathymetry plan showing water depths throughout the proposed mooring field, including any ingress and egress channels directly associated with the mooring field and water depths at any docks proposed at the land-based support facility.

(d) A benthic resource inventory of the proposed mooring field location as well as the areas for the proposed dinghy and pumpout docks.

(3) To qualify for this general permit, the local government must comply with the following specific conditions, in addition to the general conditions in rule 62-330.405, F.A.C.:

(a) Management Plan:

1. At least 30 days prior to submittal of a notice to use this general permit, the local government shall conduct at least one pre-application meeting with the Department to discuss the adequacy of the Management Plan, existing or proposed land-based support facility, project design, and implementation details.

2. Example Management Plans are included in the "References and Design Aids" for Volume I, available at <http://www.dep.state.fl.us/water/rulesprog.htm#erp>. Entities using this general permit are not required to follow the examples.

(b) Siting Criteria:

1. Navigational access must already exist between the mooring field and the nearest customarily used access channel or navigable waters for the sizes of vessels for which the mooring field is designed to serve, such that no new dredging is required to create access or adequate mooring depths.

2. The mooring field and mooring areas associated with the dinghy dock and pumpout vessel dock shall be sited in an area with adequate circulation and flushing based on the bathymetry plan required in paragraph (2)(c), above, and the proposed drafts and types of vessels to be moored.

3. The mooring field shall be associated with an existing or permitted land-based support facility that is operational prior to the mooring field being occupied. The land-based support facility shall provide amenities and conveniences for the number of occupants that are using the mooring field (e.g., parking, bathrooms, shower facilities, laundry facilities, etc.). These details shall be included in the Management Plan.

4. The mooring field, dinghy dock, and sewage pumpout dock shall not be located in the following areas.

a. Within any marked or customarily used navigational channel, or within setbacks established by the U.S. Army Corps of Engineers for federal channels.

b. Where they would adversely affect waters classified by the Department of Agriculture and Consumer Services as approved, conditionally approved, restricted, or conditionally restricted for shellfish harvesting as set forth in chapter 5L-1, F.A.C. This can be demonstrated by providing a letter of no objection from the Department of Agriculture and Consumer Services. However, no letter is required if a project will be located in Palm Beach, Broward, or Miami-Dade County.

c. Where they would adversely affect critical habitat designated by the U.S. Fish and Wildlife Service or U.S. National Marine Fisheries Service for any federally-listed threatened or endangered species under the Endangered Species Act of 1973.

d. In predominantly fresh waters as defined in chapter 62-302, F.A.C.

(c) Design criteria:

1. The mooring field shall accommodate no more than 100 vessels (excluding any dinghies that may be attached to parent vessels).

2. Vessel mooring systems and the installation plans must be designed by a Florida registered professional so that the mooring systems with vessels attached withstand, at a minimum, tropical storm force winds and so that the associated tethers, lines, and buoys do not scour or damage the bottom. The mooring system and associated tethers, lines, and buoys shall be maintained for the life of the facility.

3. The mooring field shall be permanently associated with a land-based support facility that provides the following:

a. Pumpout either fixed or portable, or a pumpout vessel under contract for service or owned by the land-based support facility capable of serving all vessels using the mooring field, and a plan for regular pumpouts of vessels when needed.

b. A landing platform or dinghy dock for mooring field users to access the land-based support facility, as well as a dock for a fixed sewage pumpout or mooring for the pumpout vessel if one is requested. Such docks are authorized to be constructed under this general permit, provided neither dock exceeds 500 square feet of structure over wetlands and other surface waters, and sufficient water depth exists at the dock for the sizes of vessels for which the dock is designed to serve.

4. The mooring field shall be marked in accordance with Florida Fish and Wildlife Conservation Commission requirements under chapter 327, F.S., including markings of the outside boundaries of the mooring field.

5. Dredging and filling of wetlands or other surface waters is authorized only for the installation of pilings; mooring buoys; vessel mooring systems; mooring field regulatory; boundary, and information markers; dinghy docks; and sewage pumpout docks.

6. If located in a county with a Manatee Protection Plan (MPP) approved by the Florida Fish and Wildlife Conservation Commission, the mooring field shall be designed and maintained in conformance with the MPP. Documentation of plan consistency must be submitted concurrently with the notice to use the general permit in the form of a letter of consistency from the Commission. A review by the Commission can be requested at ImperiledSpecies@myFWC.com.

(d) Operational Criteria:

1. The local government or its contracted entity shall operate and maintain the mooring field and land-based support facility in accordance with the terms of this general permit, the Management Plan, and sovereign submerged lands lease (if applicable) throughout the life of the mooring field.

2. Occupied vessels with Type III marine sanitation devices shall be required to have their holding tanks pumped out, at a minimum, on a 7-day interval while continuously moored in the mooring field. The Management Plan shall specify a pumpout plan, tracking and inspection times, which generally shall not be less than a minimum 7-day interval. The pumpout plan shall include a flag notification system for facilities that are using a pumpout vessel and a proposed inspection schedule for Type I or II systems.

3. The local government must provide, at the land-based support facility, for the regular collection of solid waste, sewage, and recyclable goods from vessels moored at the mooring field. All collected sewage waste must be discharged at a facility permitted by the Department or the Florida Department of Health.

4. The local government must provide information to users explaining ways to minimize discharges of grey water, including encouragement to use land-based support facilities. This information also shall be included in the Management Plan.

5. The following activities are prohibited in the mooring field and at the dinghy dock and sewage pumpout dock at the land-based support facility, unless specifically authorized in the Management Plan or a separate, valid authorization under part IV of chapter 373, F.S.:

a. Major boat repair and maintenance.

b. Fueling activities. However, this shall not prevent fueling at the land-based support facility.

c. Boat hull scraping or painting.

6. The local government shall identify in the Management Plan whether it will provide brochures, or install and maintain a kiosk or permanent information display board in a clearly visible location at the land-based support facility, providing information on:

- a. Operational provisions and restrictions associated with use of the mooring field and land-based support facility,
- b. Manatee protection and applicable manatee zones as adopted in chapter 68C-22, F.A.C., which is incorporated by reference in subparagraph 62-330.417(3)(c)2., F.A.C.,
- c. Location and availability of sewage pumpout facilities and procedures,
- d. Navigational ingress and egress to the mooring field and land-based support facility, including identification of channel markers, shoals, and other significant navigational issues, such as controlling water depths; or by providing charts for sale or a location where they may be purchased,
- e. Seagrasses, corals, and other significant resources in the adjacent waters, such as their location, protection, and avoidance of impacts, and their importance to the water resources; and,
- f. Prohibitions on discharging trash, sewage, and hazardous wastes into the water, and ways to minimize discharging grey water into the water.

(e) Sovereignty Submerged Lands Lease:

1. All public mooring fields and associated land-based support facilities located on sovereignty submerged lands require a lease from the Board of Trustees of the Internal Improvement Trust Fund in accordance with the application procedures and requirements of chapters 18-18, 18-20, and 18-21, F.A.C., as applicable.

2. The lease boundary shall include the over-water surface area of the mooring field, encompassing all of the swing areas and square footage between the swing areas including internal thoroughfares.

3. The lease boundary shall include the preempted area for the dinghy dock and the sewage pumpout dock that contains a temporary mooring area to access a fixed sewage pumpout and for the mooring of a sewage pumpout vessel, if these structures are proposed and located on sovereignty submerged lands and not part of an existing lease or other forms of authorization by the Board of Trustees of the Internal Improvement Fund.

4. The Management Plan shall be referenced in the lease, when located over sovereignty submerged lands.

Rulemaking Authority [373.043](#), [373.044](#), [373.118\(4\)](#), [373.4131](#) FS. Law Implemented [373.117](#), [373.118](#), [373.413](#), [373.414](#), [373.416](#), [373.422](#) FS. History—New 11-19-15.

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
**MR. SPENCER CROWLEY,
ESQ.**
AKERMAN, LLP
98 SE 7th St. Suite 1100
Miami, FL 33131

ENVIRONMENTAL CONSULTANT:
**OCEAN
CONSULTING, LLC**
340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:
**DYNAMIC ENGINEERING
SOLUTIONS, INC.**

351 S. Cypress Road, Suite 303
Pompano Beach, FL 33060
Office - 954-545-1740
Fax - 954-545-1721

SEAL / SIGNATURE / DATE

PERMIT SKETCHES

Issue #	Issue Date
①	October 11, 2016
②	March 7, 2017
③	June 29, 2017

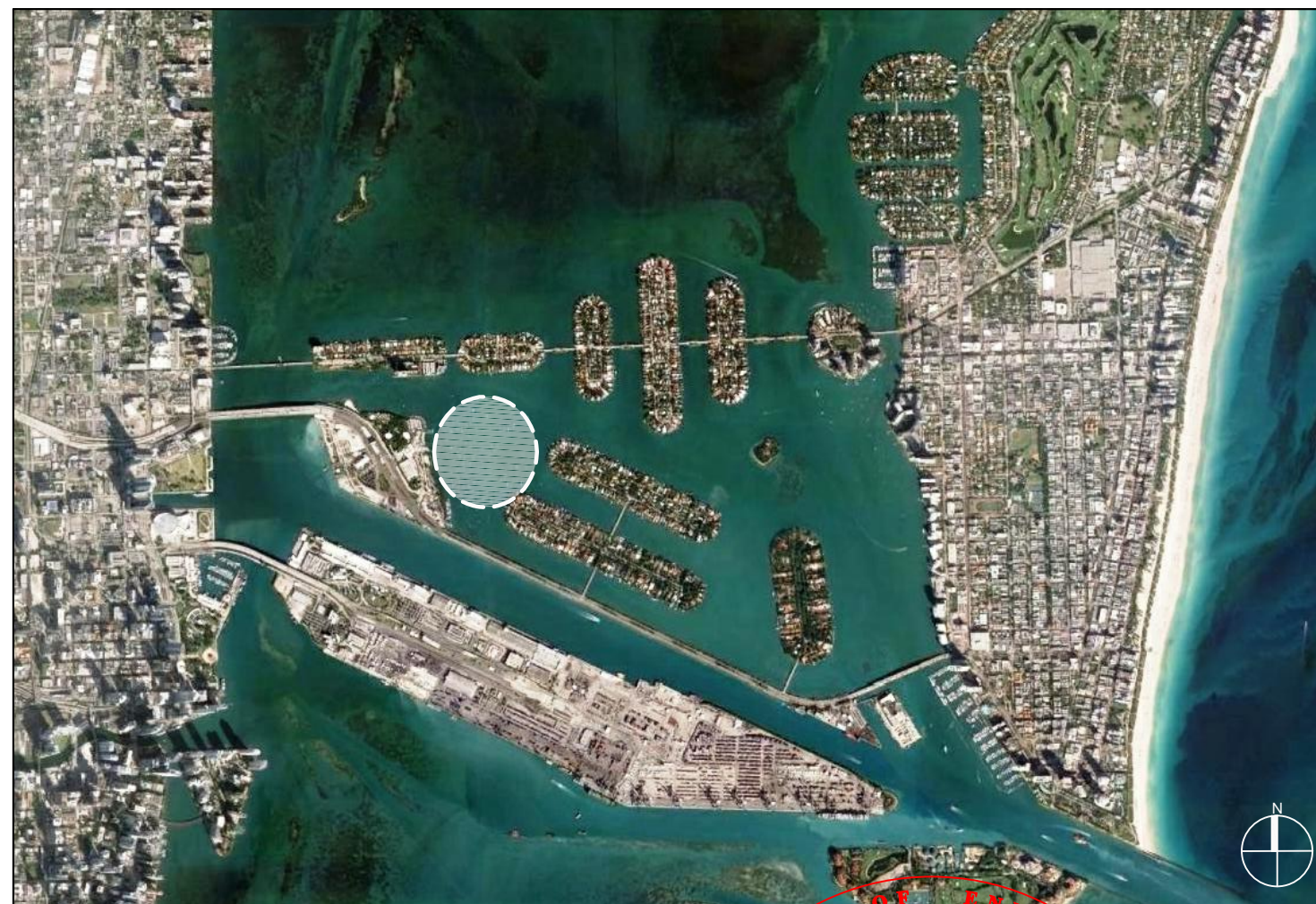
PROJECT: 11-1910

COVER SHEET

SCALE : AS SHOWN
SHEET NO.

S-1

WATSON ISLAND MOORING FIELD MITIGATION SITE PROJECT



AERIAL LOCATION MAP



GENERAL NOTES:

- ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
- ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.
- IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ENGINEER BEFORE PROCEEDING WITH WORK. CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
- IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
- APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2010 EDITION (AND CURRENT ADDENDUMS).
- APPROVED CONTRACTOR TO DETERMINE THE SUITABILITY OF EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS. THE APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCES AND PROCEDURES OF WORK.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.
- CONTRACTOR TO PROPERLY FENCE AND SECURE AREA WITH BARRICADES.
- ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- ALL NEW MATERIALS AND/OR PATCHWORK SHALL BE PROVIDED TO MATCH EXISTING MATERIALS AND/OR ADJOINING WORK WHERE PRACTICAL EXCEPT AS SPECIFICALLY NOTED HEREIN.
- LICENSED CONTRACTOR SHALL USE ALL POSSIBLE CARE TO PROTECT ALL EXISTING MATERIALS, SURFACES, AND FURNISHINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
- THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
- ALL NEW WORK AND/OR MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF EACH ADMINISTRATIVE BODY HAVING JURISDICTION IN EACH PERTAINING CIRCUMSTANCE.

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
**MR. SPENCER CROWLEY,
ESQ.**
AKERMAN, LLP
98 SE 7th St. Suite 1100
Miami, FL 33131

ENVIRONMENTAL CONSULTANT:
**OCEAN
CONSULTING, LLC**
340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:
**DYNAMIC ENGINEERING
SOLUTIONS, INC.**

351 S. Cypress Road, Suite 303
Pompano Beach, FL 33060
Office - 954-545-1740
Fax - 954-545-1721

SEAL / SIGNATURE / DATE

PERMIT SKETCHES

Issue #	Issue Date
①	October 11, 2016
②	March 7, 2017
③	June 29, 2017

PROJECT: 11-1910

EXISTING CONDITIONS

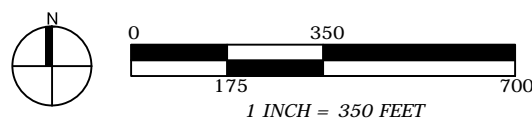
SCALE : AS SHOWN
SHEET NO.

S-2



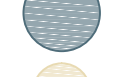
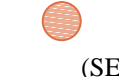
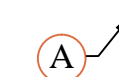



NOTES:

1. HYDROGRAPHIC SURVEY CONDUCTED ON 5/4/15 AND 5/6/15.
2. CONTOURED ELEVATIONS ARE IN FEET AND REFERENCED TO MIAMI-DADE MEAN LOW WATER.
3. RESOURCE SURVEY CONDUCTED ON 7/22/15 AND 7/23/15.
4. AERIAL SOURCE: LABINS 2012.

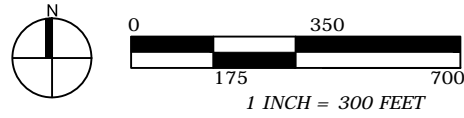


LEGEND:

-  (10) - 60' VESSEL MOORING (180' DIA.)
 -  (10) - 50' VESSEL MOORING (150' DIA.)
 -  (20) - 40' VESSEL MOORING (120' DIA.)
 -  (30) - 30' VESSEL MOORING (90' DIAMETER)
 -  (30) - 20' VESSEL MOORING (60' DIAMETER)
- (SEE MOORING SYSTEM DETAIL ON S-4)

 MOORING FIELD BOUNDARY CORNER LOCATION (SEE DETAIL ON S-5)

NOTE: 100 TOTAL MOORING ANCHORS



**MOORING AREA BOUNDARY COORDINATE TABLE
STATE PLANE, NAD 83, FLORIDA EAST - 0901**

CORNER	NORTHING	EASTING	LATITUDE	LONGITUDE
A	529260.0267	928679.6878	N25° 47' 14.46"	W80° 10' 18.52"
B	529260.0267	930331.3274	N25° 47' 23.93"	W80° 10' 00.75"
C	527810.2621	929959.3339	N25° 47' 00.04"	W80° 10' 07.69"
D	527607.4773	929683.4969	N25° 46' 58.03"	W80° 10' 07.65"
E	527007.3014	929683.4969	N25° 46' 52.09"	W80° 10' 07.69"
F	527007.3014	928983.6924	N25° 46' 52.13"	W80° 10' 15.34"
G	527807.7571	928983.6924	N25° 47' 00.06"	W80° 10' 15.29"
H	528035.0267	928679.6878	N25° 47' 02.33"	W80° 10' 18.60"

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
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ESQ.**

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CONTRACTOR:

PROJECT ENGINEER:

**DYNAMIC ENGINEERING
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351 S. Cypress Road, Suite 303
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Fax - 954-545-1721

SEAL / SIGNATURE / DATE

PERMIT SKETCHES

Issue #	Issue Date
①	October 11, 2016
②	March 7, 2017
③	June 29, 2017

PROJECT: 11-1910

**PROPOSED MOORING
FIELD LAYOUT**

SCALE : AS SHOWN
SHEET NO.

S-3

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

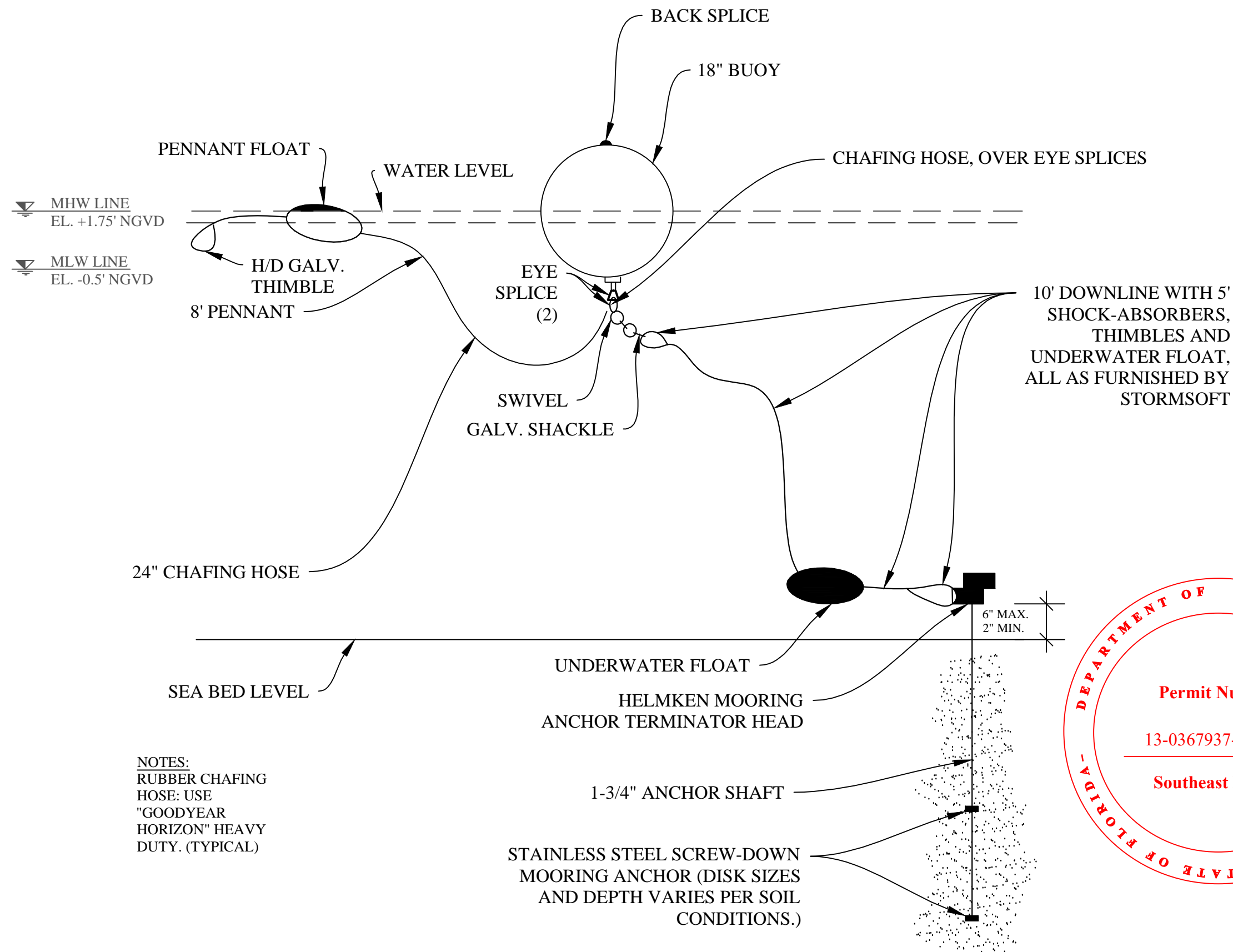
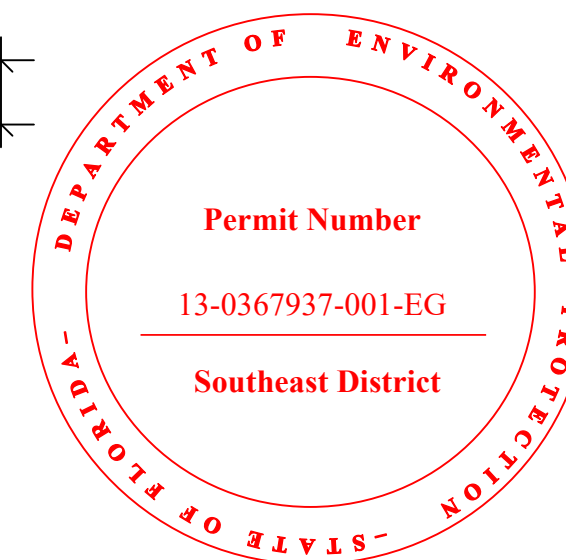
CLIENT:
**MR. SPENCER CROWLEY,
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Miami, FL 33131

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NOTES:
RUBBER CHAFING
HOSE: USE
"GOODYEAR
HORIZON" HEAVY
DUTY. (TYPICAL)

MOORING SYSTEM DETAILS
N.T.S.

PERMIT SKETCHES

Issue #	Issue Date
①	October 11, 2016
②	March 7, 2017
③	June 29, 2017

PROJECT: 11-1910

MOORING SYSTEM
DETAIL

SCALE : AS SHOWN
SHEET NO.

S-4

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
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CONTRACTOR:

PROJECT ENGINEER:

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351 S. Cypress Road, Suite 303
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PERMIT SKETCHES

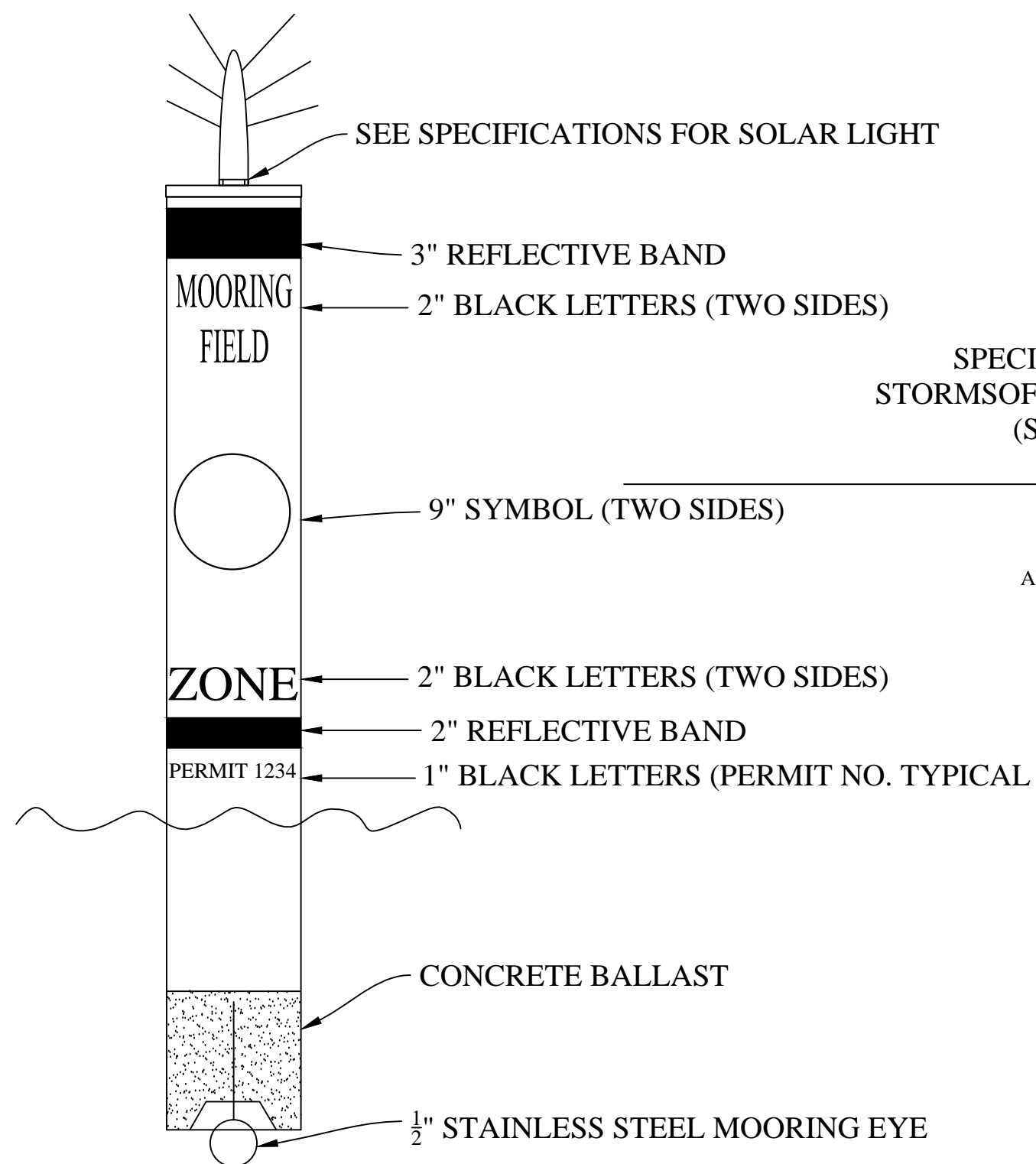
Issue #	Issue Date
①	October 11, 2016
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PROJECT: 11-1910

REGULATORY BUOY
DETAIL

SCALE : AS SHOWN
SHEET NO.

S-5



MHW LINE
EL. +1.75' NGVD

MLW LINE
EL. -0.5' NGVD

SPECIAL DOWNLINE WITH
STORMSOFT SHOCK ABSORBER
(SEE SPECIFICATIONS)

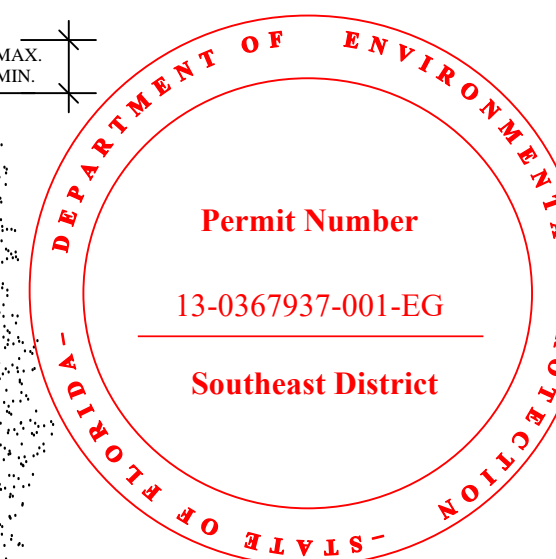
HELMKEN MOORING
ANCHOR TERMINATOR HEAD

1-3/4" ANCHOR SHAFT

STAINLESS STEEL SCREW-DOWN
MOORING ANCHOR (DISK SIZES
AND DEPTH VARIES PER SOIL
CONDITIONS.)

REGULATORY BUOY

DIAMETER 9"
OVERALL HEIGHT 80"
EXPOSURE W/O TACKLE 45"
DRAFT 36"
NET WEIGHT 77/
FOAM PER MIL-P-21929
AMENDMENT 1, EXCEPT
FIRE RESISTANCE



PLAN SYMBOL	COLOR	LIGHT COLOR	BUOY SYMBOL	TEXT
A - H (LETTER)	YELLOW	WHITE		MOORING FIELD

REGULATORY BUOY DETAILS
N.T.S.

SCOPE OF WORK:

The project contemplated for completion via this contract is the construction of the Resorts World Miami Marina.

All construction is to occur within Biscayne Bay between Watson, Hibiscus, Palm and San Marina Islands. All mooring field construction will be on City and State-owned submerged lands. All work shall be in accordance with general and specific conditions of permits issued for the project by the City of Miami, the Miami-Dade County Department of Regulatory and Economic Resources, the South Florida Water Management District, the Florida Fish and Wildlife Conservation Commission and the US Army Corps of Engineers. These permits and associated conditions are made a part of this contract.

The Mooring Fields are to be Standard Mooring Units manufactured, delivered and installed as specified.

The mitigation site is to be comprised of 224 moorings and 8 information buoys with solar powered lights.

TIME TO COMPLETE:

The contractor is to occupy each and all of the mooring anchor sites within 3 weeks following the Notice to Proceed and determine the type and length of embedment anchor for that particular mooring site in order to place the order with the anchor supplier for manufacturing to commence. It is anticipated that anchor manufacturing may take up to three months for completion.

While the mooring units are being manufactured, the contractor shall proceed with the installation of the information buoys around mooring field.

Once the mooring anchors have been manufactured and delivered, the contractor is to notify the City of his intention to re-mobilize to the site and commence construction of the mooring unit within two weeks.

It is expected that the mooring units anchor installations shall proceed at a average rate of 35 units per full work week. The installation of the mooring buoys is to be completed within 8 weeks following delivery of said mooring buoy anchors, the first week of said time is for mobilization. Mooring unit anchor manufacture shall be scheduled to accommodate this order and rate of construction.

The project is to provide completed functioning systems in place and able to meet the intended objectives. The cost(s) for any item(s) for which a unit price is not provided shall be included in the most appropriate bid item provided.

STANDARD MOORING UNIT:

The basis of payment for construction of the vessel moorings within a proposed mooring field is the standard mooring unit (Ea) with all specified components being provided, assembled and installed.

The major components that comprise a standard mooring unit are the auger anchor, downline, buoy and pennant. The general configuration of the unit, after assembly and installation, shall be as shown in the section views.

The specifications for each of the components are discussed in separate sections.

STANDARD MOORING UNIT EMBEDMENT AUGER ANCHOR SPECIFICATION:

The anchor for the mooring buoys shall be the Helmken embedment auger type anchor as provided by StormSoft Mooring Systems or approved equal.

The anchor shall be capable of resisting a minimum extraction loading of 18,000 pounds for not less than three minutes.

The anchor head shall be secured to the anchor and securely retain the downline with freedom for the specified swivel, downline, buoy and moored vessel to rotate around the vertical axis of the anchor.

Anchor manufacturing technical specifications are as follows:

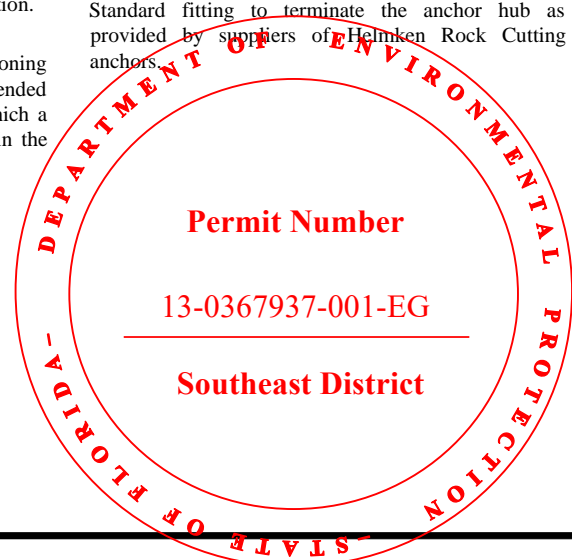
Material: 1530 Modified per ASTM A-576

Carbon	.28 - .34
Manganese	1.4 - 1.6
Vanadium	.16 - .18
Niobium	.04 - .05
Chromium	.20 Max
Molybdenum	.80 Max

Weld Process GMAW w/ ER 705-3 AWS A 5.18
Solid Wire
Corrosion Protection Hot dip galvanizing per ASTM A153

HELMKEN MOORING ANCHOR TERMINATION HEAD:

Standard fitting to terminate the anchor hub as provided by suppliers of Helmken Rock Cutting anchors.



Anchor Types: Two anchor types are listed for use in each of two applications as determined for each specific mooring unit installation site. These two general anchor types are (1) Helmken rock cutting anchor and (2) sand/mud anchor.

Helmken Rock Cutting Anchor:

The anchor shall be capable of penetrating the rock underlying the seabed.

Hub 1-3/4" RCSQ x 120'

Auger Helix Blade: 3/8" by 6" with a rock cutting capability; 2 blades per anchor.

Blade material: ASTM A36 Modified

Carbon	.20 - .33
Manganese	.30 Min

Sand/Mud Anchor:

The anchor shall be capable of providing extraction loading resistance, as required, using the existing bottom soils underlying the site seabed.

Hub 1-3/4" RCSQ x 84"

Auger Helix Blade: Triple blades, 3/8" by various diameters - 8", 10" or 12", minimum, as required by site conditions.

Blade material: ASTM A36 Modified

Carbon	.20 - .33
Manganese	.30 Min

Anchor Extensions:

Anchor penetration into the sea floor shall be advanced sufficiently to achieve the required extraction loading restraint (18,000 pounds for three minutes) whether in rock or sand/mud. Where the required restraint has not been achieved by full penetration of the basic anchor unit, the unit penetration shall be advanced further in three foot increments utilizing anchor extension units comprised of mating fittings at the upper and lower ends to attach to the upper end of the anchor and the lower end of an additional extension, or if sufficient restraint has been achieved, the Helmken Mooring Anchor Termination fitting. The extension hubs shall be of the same materials as the basic anchor unit.

Standard Mooring Unit StormSoft Downline:

Each standard mooring unit, as available from StormSoft, shall be provided with a downline of 1-1/4" by 10' overall length, between two heavy duty, galvanized, steel integral thimbles spliced as terminal fittings, a 5' length of StormSoft rubber shock absorber and a heavy duty underwater float.

- 1-1/4" braided high-strength polyester that does not absorb water and retains 100% of its dry, 18,000 (minimum) pound breaking, strength.

- 5 feet section of rubber shock absorber that is industrial rubber multi-strand cords that allow limited stretch to absorb shock loads created by storms, surge and boat wakes.

- Heavy duty, underwater float to keep downline off the seafloor.

- 1" heavy duty galvanized steel thimbles (2) Standard Mooring Unit Buoy

- 18" spherical, white PVC, with blue reflective stripe 1" through hole. Either EMI 18" Buoy or Carolina Waterworks Buoy or approved equal.

The buoy shall be provided with a through-buoy line consisting of a 1" 3-strand polyline affixed at the upper end of the 1" through buoy hole with a block splice and an eye-splice the eye of which shall be chafe guarded with red 1" Goodyear Horizon Rubber chafing hose.

Standard Mooring Unit Fittings:

Shackle 7/8" galvanized screw pin shackle

Thimble 1" galvanized steel thimble as provided from StormSoft as part of the downline.

Swivel 1" galvanized eye-to-eye steel swivel

Standard Mooring Unit Pennant (Pick up line)

1" three strand nylon line 8 feet long between eye splice ends. The vessel end is to be eye-spliced around a 1" nylon Seadog thimble The pennant float is to be kept in place as close as practicable to the nylon thimble by one strand of nylon as a stop below the float. The lower end of the of the pennant is to be eye-spliced through the upper eye of the swivel by passing through red Goodyear Horizon chafing hose. 24 inches of red Goodyear chafing hose is to run up from this lower eye-splice to guard against chafe from the swivel and shackles.

Hazardous warning or information buoy unit anchor and down line:

The basis of payment for hazardous warning or information buoy units is to provide and install a complete unit of buoy, solar light, downline anchor and fittings, as shown in S-5, and specified as follows.

The hazardous warning and information buoys are to be the Ocean Spar 9 inch Dia by 80 inch Length as manufactured by Roylan with stainless steel fitting. The solar light is to be the one-mile amber or white light by Roylan with the flash pattern to be varied from buoy to buoy around the field as specified in the plans.

The anchor is to be a 1-1/4" round shaft of 5-1/2 feet in length with a 3/8" x 6" dia disk helix for embedment into rock or a 3/8" by 8" dia helix disk for embedment into sand/mud.

The downline is to be 5/8" StormSoft down line of length equal to the specific buoy site mean high water depth plus 2 feet with a 5/8" galvanized thimble eye-spliced into the lower (anchor) end and a 7/8" stainless-steel thimble eye-spliced into the upper (buoy) end.

The buoy is to be secured to the downline using a 7/8" stainless steel shackle.

"Or Equal" Approvals Criteria:

The Watson Island Mooring Field project proposes to achieve specific objectives relating to environmental improvements and proper vessel management. Mooring field project experiences elsewhere in Florida utilizing embedment anchors and associated mooring system components have demonstrated that these important project objectives can only be achieved by careful selection of system components that are manufactured, assembled and installed under specific constraints to meet these objectives.

The objectives are:

- 1: To provide vessel moorings without collateral damage to site submerged aquatic resources whether by impact or shading. Mooring system technology is to restrain each vessel on a minimum mooring swing radius.
2. To provide 18,000 pounds of anchor pull out restraint for three minutes minimum during storms utilizing system shock absorber technology within its components.
3. To be compatible with on-going vessel traffic in the project area.
4. To facilitate the operation and management of a large assemblage of vessels moored in close proximity and provide pumpout servicing as well as policing and other security activities.
5. To facilitate periodic inspections, maintenance and repairs to maintain capabilities to meet the objectives, as required, at the outset of a storm.

The specified minimum requirements for bidder-contractor qualifications must be met without exception to insure mooring units are installed by experienced, fully qualified and insured personnel using the appropriate equipment.

The mooring unit components have been carefully designed and selected as they are known by experience to meet these project objectives.

Any request for an "Or Equal" determination must be submitted with clear evidence that the requested substitution meets the overall project objectives without question.

The City of Miami reserves the right to accept or reject requests for "Or Equal" substitution at its sole discretion.

GENERAL NOTES:

1. Survey Information by Exacta Commercial Land Surveyors, Ocean Consulting, and SeaGrove Consultants
2. Elevation datum: MLW
3. Lat/Long Reference, NAD-83
4. See instructions to Bidders concerning Staging Area.
5. Resorts World Miami is responsible for removal of vessels and bottom debris following installation of regulatory and information buoys using third party contractor forces.
6. Contractor fully responsible for protection of seagrasses, manatee and other environmental resources in strict conformance to the permit conditions.

WATSON ISLAND MOORING FIELD PROJECT SITE

Miami Beach, Florida

CLIENT:
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CONTRACTOR:

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PROJECT: 11-1910

GENERAL NOTES

SCALE : AS SHOWN
SHEET NO.

S-6

**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
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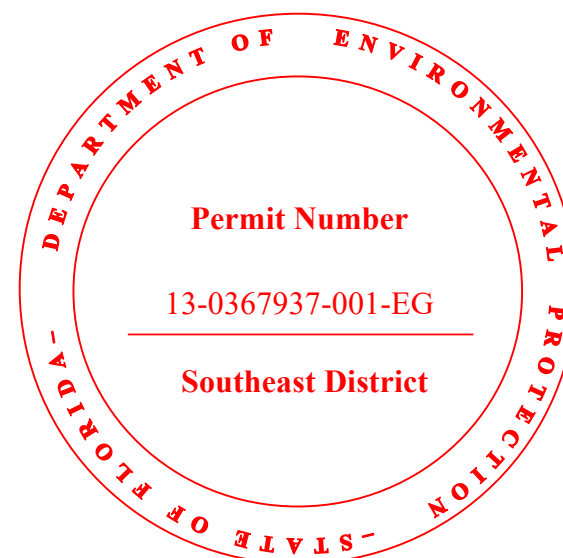
**MOORING BOUY
POSITION COORDINATE
TABLE**

SCALE : AS SHOWN
SHEET NO.

S-7A

**REGULATORY BUOY/MOORING AREA COORDINATE TABLE
STATE PLANE, NAD 83, FLORIDA EAST - 0901**

POINT	NORTHING	EASTING	LATITUDE / LONGITUDE	POINT	NORTHING	EASTING	LATITUDE / LONGITUDE
1	529170.0267	928799.6879	N25° 47' 22.60" / W80° 10' 28.68"	21	528425.0267	928869.6879	N25° 47' 10.30" / W80° 10' 27.49"
2	529170.0267	929069.6879	N25° 47' 22.60" / W80° 10' 23.75"	22	528425.0267	929069.6879	N25° 47' 10.30" / W80° 10' 23.84"
3	529170.0267	929339.6879	N25° 47' 22.60" / W80° 10' 18.83"	23	528425.0267	929269.6879	N25° 47' 10.30" / W80° 10' 20.19"
4	529170.0267	929619.6879	N25° 47' 22.60" / W80° 10' 13.73"	24	528425.0267	929589.6879	N25° 47' 10.30" / W80° 10' 14.36"
5	529170.0267	929904.6879	N25° 47' 22.60" / W80° 10' 08.53"	25	528425.0267	929739.6879	N25° 47' 10.30" / W80° 10' 11.62"
6	529170.0267	930189.6879	N25° 47' 22.60" / W80° 10' 03.33"	26	528425.0267	929889.6879	N25° 47' 10.30" / W80° 10' 08.89"
7	528990.0267	928934.6879	N25° 47' 19.62" / W80° 10' 26.24"	27	528425.0267	930039.6879	N25° 47' 10.30" / W80° 10' 06.15"
8	528990.0267	929204.6879	N25° 47' 19.62" / W80° 10' 21.31"	28	528305.0267	928769.6879	N25° 47' 08.33" / W80° 10' 29.32"
9	528990.0267	929762.1879	N25° 47' 19.62" / W80° 10' 11.15"	29	528305.0267	929169.6879	N25° 47' 08.33" / W80° 10' 25.68"
10	528990.0267	930047.1879	N25° 47' 19.62" / W80° 10' 05.95"	30	528305.0267	929169.6879	N25° 47' 08.33" / W80° 10' 22.03"
11	528725.0267	928754.6879	N25° 47' 15.26" / W80° 10' 29.55"	31	528305.0267	929369.6879	N25° 47' 08.33" / W80° 10' 18.38"
12	528725.0267	929054.6879	N25° 47' 15.26" / W80° 10' 24.08"	32	528305.0267	929664.6879	N25° 47' 08.33" / W80° 10' 13.00"
13	528725.0267	929354.6879	N25° 47' 15.26" / W80° 10' 18.61"	33	528305.0267	929814.6879	N25° 47' 08.33" / W80° 10' 10.27"
14	528725.0267	929604.6879	N25° 47' 15.26" / W80° 10' 14.05"	34	528305.0267	929964.6879	N25° 47' 08.33" / W80° 10' 07.54"
15	528725.0267	929854.6879	N25° 47' 15.26" / W80° 10' 09.49"	35	528185.0267	928869.6879	N25° 47' 06.34" / W80° 10' 27.51"
16	528725.0267	930104.6879	N25° 47' 15.26" / W80° 10' 04.93"	36	528185.0267	929069.6879	N25° 47' 06.34" / W80° 10' 23.87"
17	528575.0267	928904.6879	N25° 47' 12.77" / W80° 10' 26.83"	37	528185.0267	929269.6879	N25° 47' 06.34" / W80° 10' 20.22"
18	528575.0267	929204.6879	N25° 47' 12.77" / W80° 10' 21.36"	38	528185.0267	929589.6879	N25° 47' 06.34" / W80° 10' 14.39"
19	528575.0267	929729.6879	N25° 47' 12.77" / W80° 10' 11.79"	39	528185.0267	929739.6879	N25° 47' 06.34" / W80° 10' 11.65"
20	528575.0267	929979.6879	N25° 47' 12.77" / W80° 10' 07.23"	40	528185.0267	929889.6879	N25° 47' 06.34" / W80° 10' 08.92"



**WATSON ISLAND
MOORING FIELD
PROJECT SITE**

Miami Beach, Florida

CLIENT:
**MR. SPENCER CROWLEY,
ESQ.**
AKERMAN, LLP
98 SE 7th St. Suite 1100
Miami, FL 33131

ENVIRONMENTAL CONSULTANT:
**OCEAN
CONSULTING, LLC**
340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

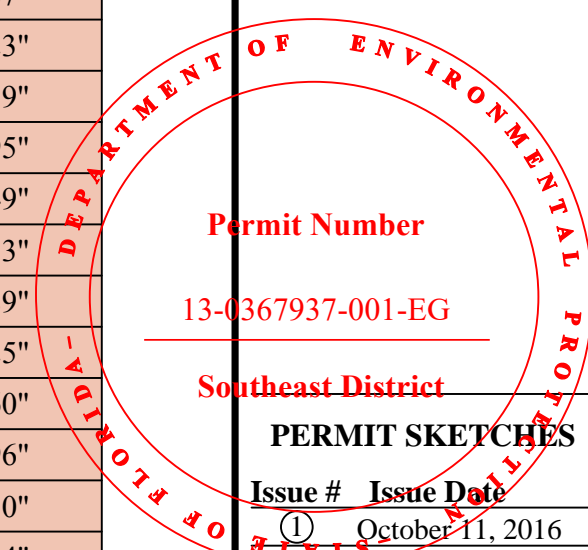
CONTRACTOR:

PROJECT ENGINEER:
**DYNAMIC ENGINEERING
SOLUTIONS, INC.**
351 S. Cypress Road, Suite 303
Pompano Beach, FL 33060
Office - 954-545-1740
Fax - 954-545-1721

SEAL / SIGNATURE / DATE

**REGULATORY BUOY/MOORING AREA COORDINATE TABLE
STATE PLANE, NAD 83, FLORIDA EAST - 0901**

POINT	NORTHING	EASTING	LATITUDE / LONGITUDE	POINT	NORTHING	EASTING	LATITUDE / LONGITUDE
41	528070.0267	906878.2100	N25° 47' 04.45" / W80° 10' 29.62"	71	527555.0267	929039.6879	N25° 46' 95.92" / W80° 10' 24.49"
42	528070.0267	928880.6879	N25° 47' 04.45" / W80° 10' 27.33"	72	527555.0267	929129.6879	N25° 46' 95.92" / W80° 10' 22.85"
43	528070.0267	929006.6879	N25° 47' 04.45" / W80° 10' 25.03"	73	527555.0267	929219.6879	N25° 46' 95.92" / W80° 10' 21.20"
44	528070.0267	929132.6879	N25° 47' 04.45" / W80° 10' 22.73"	74	527555.0267	929309.6879	N25° 46' 95.92" / W80° 10' 19.56"
45	528070.0267	929258.6879	N25° 47' 04.45" / W80° 10' 20.43"	75	527555.0267	929399.6879	N25° 46' 95.92" / W80° 10' 17.92"
46	528070.0267	929384.6879	N25° 47' 04.38" / W80° 10' 18.14"	76	527555.0267	929589.6879	N25° 46' 95.92" / W80° 10' 14.46"
47	528070.0267	929579.6879	N25° 47' 04.38" / W80° 10' 14.58"	77	527435.0267	929039.6879	N25° 46' 93.94" / W80° 10' 24.50"
48	528070.0267	929698.1905	N25° 47' 04.38" / W80° 10' 12.42"	78	527435.0267	929129.6879	N25° 46' 93.94" / W80° 10' 22.86"
49	528070.0267	929816.6931	N25° 47' 04.38" / W80° 10' 10.26"	79	527435.0267	929219.6879	N25° 46' 93.94" / W80° 10' 21.22"
50	528070.0267	929935.1957	N25° 47' 04.38" / W80° 10' 08.10"	80	527435.0267	929309.6879	N25° 46' 93.94" / W80° 10' 19.58"
51	527950.0267	928889.6879	N25° 47' 02.45" / W80° 10' 27.18"	81	527435.0267	929399.6879	N25° 46' 93.94" / W80° 10' 17.94"
52	527950.0267	929013.4379	N25° 47' 02.45" / W80° 10' 24.92"	82	527435.0267	929589.6879	N25° 46' 93.94" / W80° 10' 14.47"
53	527950.0267	929137.1879	N25° 47' 02.45" / W80° 10' 22.66"	83	527315.0267	929039.6879	N25° 46' 91.96" / W80° 10' 24.51"
54	527950.0267	929260.938	N25° 47' 02.45" / W80° 10' 20.41"	84	527315.0267	929129.6879	N25° 46' 91.96" / W80° 10' 22.87"
55	527950.0267	929384.688	N25° 47' 02.45" / W80° 10' 18.15"	85	527315.0267	929219.6879	N25° 46' 91.96" / W80° 10' 21.23"
56	527950.0267	929579.6879	N25° 47' 02.45" / W80° 10' 14.60"	86	527315.0267	929309.6879	N25° 46' 91.96" / W80° 10' 19.59"
57	527950.0267	929689.6879	N25° 47' 02.45" / W80° 10' 12.59"	87	527315.0267	929399.6879	N25° 46' 91.96" / W80° 10' 17.95"
58	527950.0267	929799.6879	N25° 47' 02.45" / W80° 10' 10.58"	88	527315.0267	929589.6879	N25° 46' 91.96" / W80° 10' 14.49"
59	527950.0267	929909.6879	N25° 47' 02.45" / W80° 10' 08.58"	89	527195.0267	929039.6879	N25° 46' 89.98" / W80° 10' 24.53"
60	527820.0267	929034.6879	N25° 47' 00.29" / W80° 10' 24.55"	90	527195.0267	929129.6879	N25° 46' 89.98" / W80° 10' 22.89"
61	527820.0267	929209.6879	N25° 47' 00.29" / W80° 10' 21.36"	91	527195.0267	929219.6879	N25° 46' 89.98" / W80° 10' 21.25"
62	527820.0267	929384.688	N25° 47' 00.29" / W80° 10' 18.17"	92	527195.0267	929309.6879	N25° 46' 89.98" / W80° 10' 19.60"
63	527820.0267	929579.6879	N25° 47' 00.29" / W80° 10' 16.15"	93	527195.0267	929399.6879	N25° 46' 89.98" / W80° 10' 17.96"
64	527820.0267	929684.6879	N25° 47' 00.29" / W80° 10' 12.70"	94	527195.0267	929589.6879	N25° 46' 89.98" / W80° 10' 14.50"
65	527820.0267	929789.6879	N25° 47' 00.29" / W80° 10' 10.78"	95	527075.0267	929039.6879	N25° 46' 88.00" / W80° 10' 24.54"
66	527690.0267	929034.6879	N25° 46' 98.15" / W80° 10' 24.56"	96	527075.0267	929129.6879	N25° 46' 88.00" / W80° 10' 22.90"
67	527690.0267	929209.6879	N25° 46' 98.15" / W80° 10' 21.37"	97	527075.0267	929219.6879	N25° 46' 88.00" / W80° 10' 21.26"
68	527690.0267	929384.688	N25° 46' 98.15" / W80° 10' 18.18"	98	527075.0267	929309.6879	N25° 46' 88.00" / W80° 10' 19.62"
69	527690.0267	929579.6879	N25° 46' 98.15" / W80° 10' 14.63"	99	527075.0267	929399.6879	N25° 46' 88.00" / W80° 10' 17.98"
70	527690.0267	929684.6879	N25° 46' 98.15" / W80° 10' 12.71"	100	527075.0267	929589.6879	N25° 46' 88.00" / W80° 10' 14.51"



Issue #	Issue Date
①	October 11, 2016
②	March 7, 2017
③	June 29, 2017

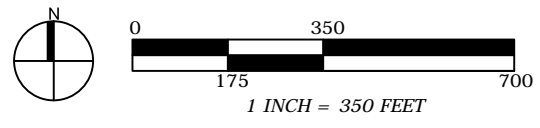
PROJECT: 11-1910

MOORING BUOY
POSITION COORDINATE
TABLE - CONTINUED
SCALE : AS SHOWN
SHEET NO.

S-7B



- NOTES:
1. HYDROGRAPHIC SURVEY CONDUCTED ON 5/4/15 AND 5/6/15.
 2. CONTOURED ELEVATIONS ARE IN FEET AND REFERENCED TO MIAMI-DADE MEAN LOW WATER.
 3. RESOURCE SURVEY CONDUCTED ON 7/22/15 AND 7/23/15.
 4. AERIAL SOURCE: LABINS 2012.



WATSON ISLAND MOORING FIELD BENTHIC SURVEY

Miami Beach, Florida

CLIENT:
**Mr. SPENCER CROWLEY,
ESQ.**
AKERMAN SENTERFITT
1 SE 3rd Avenue, 25th Flr
Miami, FL 33131

ENVIRONMENTAL CONSULTANT:
**OCEAN
CONSULTING, LLC**
340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT SKETCHES

Issue #	Issue Date
①	September 3, 2015

PROJECT: 11-1910

HYDROGRAPHIC SURVEY

SCALE : AS SHOWN
SHEET NO.

S-1



Permit Number

13-0367937-001-EG

Southeast District

WATSON ISLAND MOORING FIELD BENTHIC SURVEY

Miami Beach, Florida

CLIENT:
**Mr. SPENCER CROWLEY,
ESQ.**
AKERMAN SENTERFITT
1 SE 3rd Avenue, 25th Flr
Miami, FL 33131

ENVIRONMENTAL CONSULTANT:
**OCEAN
CONSULTING, LLC**
340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

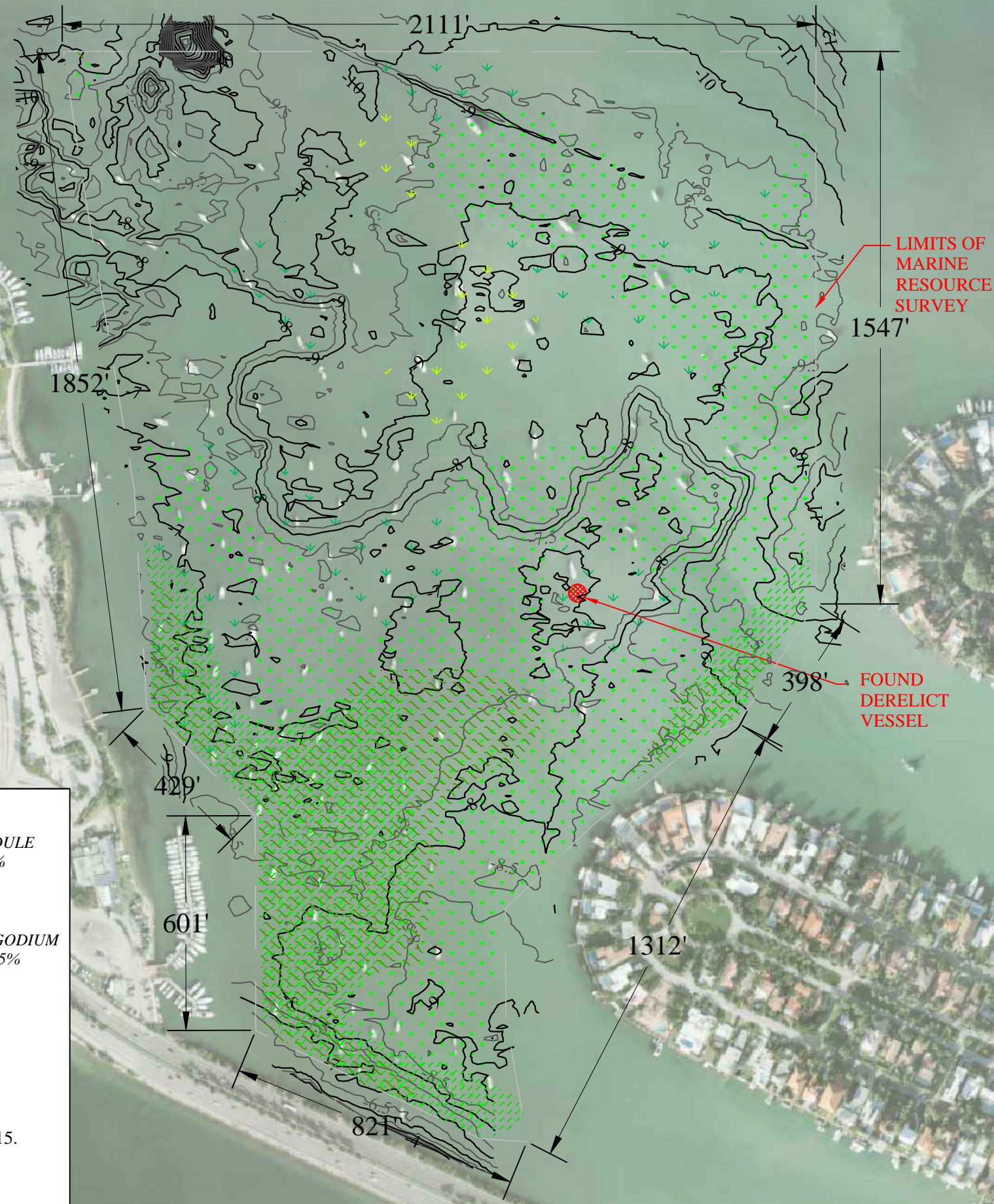
PERMIT SKETCHES

Issue #	Issue Date
①	September 3, 2015

PROJECT: 11-1910

MARINE RESOURCE
SURVEY SHOWING
SEAGRASS ONLY
SCALE: AS SHOWN
SHEET NO.

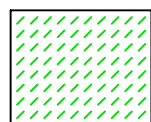
S-3



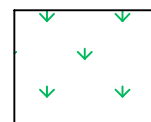
LEGEND:



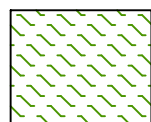
DENSE *HALOPHILA
DECIPENS*, 50-75%



SPARSE *HALODULE
WRIGHTII*, <15%



SPARSE *HALOPHILA
DECIPENS*, 15-35%



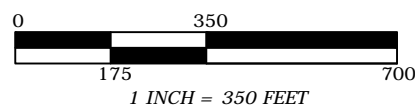
SPARSE *SYRINGODIUM
FILIFORME*, <15%



ISOLATED, PATCHY *H.
DECIPENS*, <5%

NOTES:

1. RESOURCE SURVEY CONDUCTED ON 7/22/15 AND 7/23/15.
2. AERIAL SOURCE: LABINS 2012.



Attachment B: List of Requested Information

City of Miami
Department of Real Estate and Asset Management
c/o Daniel Rotenberg, Director
444 SW 2nd Avenue, Suite 325
Miami, FL 33130

File No.: 13-0367937-001-EG
File Name: Watson Island Mooring Field

NEW LEASE

(Chapter(s) 18-18 and 18-21, Florida Administrative Code)

PART II

Note: The following questions are applicable since your activity will affect state-owned sovereignty, submerged lands. If you can document that your proposed project does not affect state-owned sovereignty, submerged lands, please contact our office and provide copies of the documentation. Otherwise, please proceed to answer the following questions.

1. Complete and return the enclosed data sheet (SLER 0910) which provides billing information, sales tax information, and other data required pursuant to Section 24.115(4), Florida Statutes.
2. Complete and return the attached financial affidavit.
3. Pursuant to 18-18.006, F.A.C., please sufficiently demonstrate that the project is required due to an extreme hardship and clearly in the public interest. Please provide additional information on how the project may qualify as a public necessity.
4. Pursuant to s. 253.115 (5), F.S., requests for all leases must be noticed. The Department has verified the 500-foot radius mailing list submitted; please choose one of the noticing procedures below:

Instructions for when the applicant does the mailing-

For each person on the mailing list (including the person listed below), the notice, a site location map, and the easement sketch must be sent by certified mail with return-receipt requested. The return-receipt “green” cards must be addressed to be returned to Florida Department of Environmental Protection (Attn. Stacy Cecil), Southeast District Office, 3301 Gun Club Road, MSC 7210-1, West Palm Beach, Florida 33406, and must include the Department’s application file number on the front of the card. This allows staff to verify that you mailed a notice to each person within 500 foot radius. If any return receipt cards are not returned to the Department, you are responsible for either tracing the cards or contacting the individuals/entities and verifying that the notice was received, and providing documentation to the Department. The noticing process shall not be deemed complete until the Department receives all the return-receipt cards back from postal authorities, or authorities trace the deliveries and report back that all notices were either “delivered” or “lost.”

Instructions for when the Department does the mailing-

For each of the persons on the mailing list (including the person listed below), the notice, a site location map, and the easement sketch shall be placed in a regular stamp envelope, where the return address is the Department's mailing address (Florida Department of Environmental Protection, Southeast District Office, Southeast District Office, 3301 Gun Club Road, MSC 7210-1, West Palm Beach, Florida 33406. Further, the applicant shall send all of the filled and stamped envelopes to the Department so that we can ensure that all of the required mailings get delivered to the post-office.

Those persons who have requested to be on the statewide noticing mailing list for all leases and easements.

Mr. Charles Lee
Audubon of Florida
1101 Audubon Way
Maitland, FL 32751

**BILLING INFORMATION FORM
PAYMENTS FOR LEASE NO. _____**

Lessee Name: _____
Management Co.: _____
Billing/Mailing Address: _____
City: _____ State:____ Zip Code: _____
Billing Contact Person: _____
Telephone Number: (_____) _____
Area Code
Fax Number: (_____) _____
Area Code
E-Mail Address: _____
Facility Address: _____
City: _____ State:____ Zip Code: _____

SALES TAX CERTIFICATION/EXEMPTION

Six percent (6%) sales tax is due on each lease fee payment unless the Lessee can claim an ownership exemption. I/We are exempt from sales tax for the reason checked below.

- Government Agency: _____ (Exemption Number)
- Exempt Organization: _____ (Exemption Number)
- Lease and collect sales tax on all available dock spaces.
_____ (Sales Tax Number)
- Lease and collect sales tax on some available dock spaces but fully assume the responsibility to remit six percent sales tax on that portion of space on which no sales tax is charged.
_____ (Sales Tax Number)
- None of the above can be claimed.

A copy of the Florida Annual Resale Certificate For Sales Tax or the Certificate of Exemption must accompany this form to claim this exemption pursuant to Section 212.07(1)(b), F.S.

If Lessee is a Business/Corporation, Federal Employer Identification Number: _____

I/We certify that the above information is correct and agree to **NOTIFY THE BUREAU OF PUBLIC LAND ADMINISTRATION'S ACCOUNTING SECTION AT (850) 245-2720 within 30 days of the date of any change in the above designated billing agent, phone number, fax number or Lessee's tax status.**

Signed: _____ **Date** _____
Lessee/Authorized Entity

For Recurring Revenue Section Use Only	
Billing Form to Accountant: _____, _____ / _____ / _____	Originator's signature
Data Entered by Accountant: _____, _____ / _____ / _____	Accountant's signature

FINANCIAL ASSURANCE AFFIDAVIT
(INDIVIDUAL)

I _____ (insert name), swear or affirm;

1. _____ (insert the Lessee's name) ("Lessee"), has applied to the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida ("Board of Trustees") for a sovereignty submerged lands lease ("Lease") for the sovereignty submerged lands located adjacent to _____ (facility address) ("Leased Premises").
2. The Lessee is not the subject of a pending bankruptcy proceeding.
3. There are no unsatisfied judgments entered against the Lessee in the State of Florida.
4. All state and local taxes for which the Lessee is responsible in the State of Florida have been satisfied.
5. There are no other matters pending or threatened against or affecting the Lessee or the Lessee's interest in the riparian upland property adjacent to the Leased Premises that would impair the Lessee's financial capability to undertake and operate the facility authorized by the Lease.
6. This affidavit is made as an inducement for the Board of Trustees to grant a Lease to the Lessee, and the Lessee intends for the Board of Trustees to rely on these representations.

By: _____
Original Signature

Printed/Typed Name