



Department of Regulatory and Economic Resources
 Coastal and Wetlands Resources Section
 701 NW 1st Court, Suite 400
 Miami, FL 33136-3912
 305-372-6575

Class I Construction Permit

Permit Number: CLI-2013-0149
DERM Project Manager: Chrissy Hopps

Issue Date: 10/07/2015 **NC**
Expiration Date: 10/07/2018 **A.A.**

Permittee

City of Miami
 c/o Johnny Martinez, City Manager
 444 NW 2nd Avenue
 Miami, Florida 33130

Contractor

To be determined.

Bond

Performance Bond: N/A
Mitigation Bond: \$8,036.10
BBEETF Contribution: N/A

Engineer

Douglas W. Mann, P.E. License No. 44046
 CB&I Environmental and Infrastructure, Inc.
 Phone No. (305) 818-1888

THE ABOVE NAMED PERMITTEE IS HEREBY AUTHORIZED TO PERFORM THE WORK SHOWN ON THE APPLICATION AND APPROVED DRAWINGS, PLANS, AND OTHER DOCUMENTS ATTACHED HERETO OR ON FILE WITH THE DEPARTMENT AND MADE PART HEREOF, SUBJECT TO THE ATTACHED GENERAL AND SPECIFIC CONDITIONS.

Plans Entitled: CITY OF MIAMI
 CURTIS PARK BOAT RAMP IMPROVEMENTS
 MIAMI, FLORIDA

Date Signed and Sealed: May 12, 2015

Project Location: 1901 NW 24th Avenue, Miami, Florida

Project Description:

- Removal of the existing marginal wood dock and 6 wood dolphin piles.
- Removal of the riprap bag seawall along the west side of the boat ramp.
- Temporary removal and replacement of limerock riprap boulders within the seawall footprint on the west side of the boat ramp.
- Demolish deteriorated concrete boat ramp in the locations specified as per the plans.

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- Spall repairs to the deteriorated concrete boat ramp in the locations specified as per the plans.
- Installation of 85 linear feet of new concrete seawall and king piles on the west side of the boat ramp as follows:
 - 52 linear feet of seawall will be installed adjacent to the boat ramp at the toe of the existing concrete ramp. The new seawall will extend a maximum of 4 feet waterward of the previously existing riprap bag seawall. New concrete king piles will be installed every 8 feet on center.
 - 33 linear feet of seawall and an associated tieback system will be installed adjacent to the Miami River between the corner of the boat ramp and 33 linear feet to the west. The new seawall will be located in the same footprint as the previously existing riprap bag seawall. New concrete king piles will be installed every 8 feet on center.
- Installation of 85 linear feet of new concrete seawall cap. The cap will measure 2.8 feet wide by 2.0 feet high and extend 0.6 feet waterward of the face of the new seawall.
- Installation of 1 row of limerock riprap boulders along the base of the 33 linear feet of new seawall adjacent to the Miami River.
- Installation of a 50 foot long by 6 foot wide (300 square feet) concrete and wood pier along the boat ramp between 22 and 28 feet east of the new seawall, comprised of the following:
 - The concrete portion of the pier will measure 24 feet long by 6 feet wide (144 square feet) and be constructed with poured concrete. The portion below the mean high water line will measure 21 feet long by 6 feet wide (129 square feet of filling of tidal waters).
 - The wood portion of the pier will measure 26 feet long by 6 feet wide (156 square feet) and be supported by 6 new concrete piles driven into saw-cut areas of the boat ramp.
- Installation of a 93 foot long by 4 foot wide (372 square feet) marginal wood dock along the east side of the boat ramp. The dock will be supported by 9 new concrete piles and measure 336 square feet over water.
- Installation of mooring hardware on the new seawall adjacent to the boat ramp, the new pier and the new marginal dock.
- Installation of 2 new wood dolphin piles along the east side of the boat ramp at the waterward end of the marginal dock. The piles will be 4 feet from the seawall.

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Specific Permit Conditions

1. The name, address, telephone number, and license number of the contractor who will be performing the work shall be submitted a minimum of 30 days prior to the proposed commencement of work. Work authorized by this permit shall not commence until written acceptance of the contractor has been issued by DERM.
2. The contractor shall submit a construction sequence and methodology, and an erosion and turbidity control plan a minimum of 30 days prior to the proposed commencement of work. The Coastal & Wetlands Resources Section and the Pollution Control Division will review the submittal for consistency with the Class I permit conditions and the "Revised Corrective Action Plan (CAP) Phase 1 Drawings and Revised Air Monitoring Plan dated June 17, 2015". DERM staff may require modifications to the submittal should there be any conflicts with the above-referenced documents. Work authorized by this permit shall not commence unless and until written acceptance of the submittal from the contractor has been provided by DERM.
3. In order to prevent erosion of fill into tidal waters the contractor shall ensure that the uplands are excavated and the area is graded and stabilized prior to the removal of the existing riprap seawall.
4. After the shoreline has been graded and stabilized and prior to the removal of the existing concrete bag seawall, the site shall be inspected and approved by DERM staff. The contractor shall provide a minimum of 48 hours (2 business days) notice to the Coastal and Wetlands Resources Section at (305) 372-6575 prior to the desired inspection date. **The existing concrete bag seawall shall not be removed until DERM has inspected the site and approved the shoreline grading and stabilization.**
5. Adequate clearance shall be maintained at all times between the submerged bottom, and any existing benthic resources, and any vessels launched or moored at the property, such that there are no impacts to benthic resources or the submerged bottom, including but not limited to bottom scouring or prop dredging.
6. Turbidity controls (such as, but not limited to, turbidity curtains) shall be implemented to ensure compliance with the water quality standards stipulated in Section 24-42(3) of the Code of Miami-Dade County. Turbidity controls shall be employed and maintained in the most effective manner possible to prevent turbidity from extending beyond the control mechanism in place.
7. Turbidity may not exceed 0 Nephelometric Turbidity Units (NTU) above background beyond the turbidity control device. Turbidity levels shall be monitored. If the turbidity levels exceed the above standards, all construction shall stop and additional turbidity controls shall be implemented. Work shall not resume until the contractor has implemented adequate turbidity control methods and has received authorization from DERM to recommence work. At DERM's discretion, turbidity samples may be required to be collected in accordance with Section 24-44.2(3) of the Code of Miami-Dade County.
8. Erosion control devices shall be installed to prevent sedimentation and soil erosion or waste materials from entering into tidal waters and wetland areas adjacent to the project sites during construction operations.
9. Erosion control devices shall be employed and routinely monitored, and maintained in the most effective manner possible to prevent erosion beyond the mechanisms in place. The contractor shall modify any work procedures that result in erosion, install additional containment devices, and repair or replace any non-functioning containment devices. Erosion control devices shall remain in place until all the construction activities are completed.
10. In order to avoid direct or secondary impacts to tidal waters, all fill adjacent to surface waters shall be adequately compacted and stabilized, and appropriately graded, such that there will be no positive drainage, erosion, or stormwater runoff to wetlands or tidal waters.
11. If at any time during or after construction, filled or graded areas are subject to erosion such that they may result, or do result in adverse impacts to adjacent wetlands or tidal waters, remedial measures shall be

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- required to be designed and implemented to prevent or correct the erosion issues. Such measures are subject to DERM review and approval.
12. Mechanical means to remove the existing concrete bag seawall and debris is authorized; however, all work using mechanical equipment shall be performed in such a manner as to prevent any dredging of the River bottom.
 13. The wetface of the new seawall adjacent to the boat ramp shall be placed at the edge of the boat ramp and shall extend no greater than 4.0 feet waterward of the existing concrete bag seawall.
 14. The wetface of the new seawall adjacent to the Miami River shall be placed within the footprint of the existing seawall.
 15. **The contractor shall coordinate a meeting with the Coastal and Wetlands Resources Section to inspect the new seawall location after the seawall has been installed and prior to any backfilling activity. Failure to comply with this specific condition may be subject to enforcement by the Department.**
 16. The contractor shall provide a minimum of 48 hours (2 business days) and a maximum of 120 hours (5 business days) notice to the Coastal and Wetlands Resources Section at (305) 372-6575 prior to commencement of backfilling activities.
 17. All backfilling shall be done after completion of the seawall.
 18. This permit does not authorize any filling except for backfill landward of the bulkhead. This permit does not authorize the filling of tidal waters or wetlands for additional development.
 19. The contractor shall provide trucking receipts for all fill from upland sites that is utilized for backfilling behind the new seawall. This condition shall be satisfied within 30 days of the completion of the seawall.
 20. Pursuant to Section 24-48.3(4) of the Code of Miami-Dade County, Florida, the contractor shall ensure that the backfill is from upland sources and it consists of suitable material and must meet the definition of clean fill as defined in Section 24-5 of the Code of Miami-Dade County.
 21. The new seawall cap shall be a minimum of 6 inches above the final grade of the uplands immediately adjacent, and in order to prevent positive drainage of stormwater into the waterway, all uplands immediately adjacent to the new seawall shall be graded away from the waterway.
 22. All upland storm drainage shall comply with the standards of Chapter 24 of the Code of Miami-Dade County, Florida and with federally mandated National Pollutant Discharge Elimination System (NPDES). It is the responsibility of the permittee and/or the contractor to contact the Water Control Section of DERM at (305) 372-6681 for appropriate stormwater drainage approvals.
 23. A DERM Class II permit is required for the construction, installation, and/or alteration of any outfall or overflow system in, on, under or upon any water body of Miami-Dade County. In addition, a DERM Class V permit is required for any dewatering of groundwater, surface waters or water, which has entered into an excavation. The contractor shall contact the Water Control Section of DERM at (305) 372-6567 in order to obtain a Class II or Class V permit prior to the construction of any outfall or overflow system and prior to any dewatering activity.
 24. Authorization from the Miami-Dade County DERM Tree Section may be required prior the removal of existing non-exotic upland trees and future landscaping of the adjacent upland areas. Please contact the Tree Section at (305) 372-6600 for more information.
 25. Since the Florida manatee occurs in the waters at and adjacent to the property, the permittee and contractor shall take measures to protect manatees during and after construction. Failure to comply with any of the below-listed measures may result in enforcement action by the DERM. These measures shall include the following:

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- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
 - b. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used (see MyFWC.com/manatee). One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Questions concerning these signs can be sent to the email address listed above.
 - c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
 - d. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
 - e. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
 - f. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com.
 - g. The contractor shall maintain a log detailing sightings, collisions, or injuries to manatees should they occur during the contract period. Following project completion, a report summarizing the above incidents and sightings shall be submitted to the Florida Department of Environmental Protection (FDEP), Marine Research Institute Office of Protected Species Research, 620 S. Meridian St., Tallahassee, Florida 32399-1600; to the U.S. Fish & Wildlife Service, 3100 University Blvd., Jacksonville, Florida 32216, and to DERM within 60 days of project completion.
 - h. In order to minimize danger of entrapment to manatees, culverts which are greater than 7 and less than 60 inches in diameter, shall be covered with grates or screens with spaces less than 7 inches wide; these shall be maintained to prevent upland flooding.
26. At least one person shall be designated as a manatee observer when in-water work is being performed. That person shall have experience in manatee observation, and be equipped with polarized sunglasses to aid in observation. The manatee observer must be on-site during all in water construction activities and shall advise personnel to cease operation upon sighting a manatee within 50 feet of any in-water construction activity. Movement of a work barge, other associated vessels, or any in-water work shall not be performed after sunset, when the possibility of spotting a manatee is negligible.
27. In the event that any items or features of potential archaeological or historic significance are encountered during the course of this project, the contractor shall immediately cease and desist from further work and notify the Miami-Dade County Historic Preservation Division at (305) 375-4958. Work shall not resume until the find(s) are assessed by the Historic Preservation Division (HPD) and the HPD provides a written notice to proceed. The contractor and permittee shall allow representatives of the Historic Preservation Division to

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access the project area as necessary in order to conduct monitoring.

28. In order to mitigate for the water quality impacts associated with the seawall installation, and in order to extend the life of the seawall and provide habitat for a variety of invertebrates and protective cover for small fish, 89.3 cubic yards of riprap (approximately 120.6 tons) are required. Due to site conditions, only one row of riprap shall be installed on-site, and shall not be installed adjacent to the boat ramp. The riprap shall consist of natural limerock boulders ranging in size from 1 to 3 feet in diameter. Riprap shall be installed at the base of the seawall in a manner which prevents it from shifting or relocating. This condition shall be satisfied within 30 days of completion of the seawall. DERM is willing to accept the balance of the mitigation that cannot be satisfied on-site as a contribution to the Biscayne Bay Environmental Enhancement Trust Fund for the creation or enhancement of seagrass habitat located within Biscayne Bay.
29. The contractor shall submit receipts or weight tickets for the riprap that is placed on-site. This condition shall be satisfied within 30 days of the completion of the seawall.
30. Please be advised that the federal government has designated all or part of the subject property as critical habitat for one or more endangered species. You are not authorized to commence any work or activities pursuant to this permit until you obtain any and all approvals or permits, if necessary, from the federal government pursuant to the Endangered Species Act and from the State of Florida pursuant to Florida law on endangered species. Please be advised that, even after work commences, if Miami-Dade County is advised by the federal government, the State of Florida, or a court that an activity on the subject property is in violation of the Endangered Species Act, in violation of Florida law on endangered species, or in violation of a permit or approval granted by the federal government pursuant to the Endangered Species Act, such violation may result in an immediate stop work order. You are strongly advised to consult with the United States Fish and Wildlife Service and any other necessary federal or state agencies before conducting any work or activities on the property. The Vero Beach office of the United States Fish and Wildlife Service may be reached at (772) 562-3909. Please be aware that the federal government may require certain actions or protections on the property, and this may result in the need to modify the plans for the property. Therefore, it is recommended that you consult with the United States Fish and Wildlife Service at an early stage in the process. In the event that the United States Fish and Wildlife Service advises that your plans for the subject property may result in a "take" of endangered or threatened species, you are strongly recommended to inform Miami-Dade County in writing at the earliest stage possible.

See General Permit Conditions

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General Permit Conditions

1. This permit must be kept on-site during all phases of construction.
2. All work shall be performed in accordance with the above referenced plans and in accordance with the attached specific and general permit conditions. If a General Condition(s) conflicts with a Specific Condition(s) in this permit document, the Specific Condition shall be the controlling condition for work authorized by this permit.
3. This permit only authorizes the work described in page 1 under Project Description. Any additional work in, on, over or upon tidal waters or coastal wetlands at the property shall require additional Class I approval.
4. Any deviation from the approved plans for this project shall be submitted in writing to, and approved by DERM prior to the commencement of this project. The contractor and the permittee shall take whatever remedial action is necessary to bring the project into compliance with the permit and approved plans upon determination by DERM that the structure is not in compliance with such.
5. DERM shall be notified no later than 48 hours and no earlier than 5 days prior to the commencement of the work authorized by this permit, unless otherwise noted herein. The permittee and/or contractor may notify DERM by calling (305) 372-6575 or by submitting the attached Notice of Commencement of Construction via hand delivery, U.S. Mail, or facsimile at (305) 372-6479.
6. Prior to performing any work, the contractor shall verify the location of all underground and overhead utility lines and verify that no utilities will be damaged by the work. Contact Sunshine State One-Call of Florida at 1-800-432-4770 or on the web at <http://www.callsunshine.com/corp/before/submitting.html> for locating underground utility lines.
7. The permittee and the contractor are hereby advised that under Florida law, no person shall commence any excavation, filling, construction, or other activity involving the use of sovereign or other lands of the State, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Florida Department of Environmental Protection (FDEP), until such person has received the required authorization for the proposed use from the Board of Trustees or FDEP. If such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense pursuant to the Florida Administrative Code.
8. The permittee and contractor shall obtain all required approvals from all local, state and federal agencies prior to performing the work authorized by this permit.
9. Trimming or alteration of mangroves, buttonwoods or wetland vegetation other than what is authorized by this permit is prohibited. Work not authorized by this permit shall require additional Class I approval.
10. All work authorized by this permit shall be performed by the contractor and/or subcontractor holding an applicable certificate of competency and shall be licensed in Miami-Dade County to perform such work. Any work which is subcontracted shall require that the permittee and contractor (i.e. the contractor who is listed on this permit) notify the project manager at DERM at (305) 372-6575 or by facsimile at (305) 372-6479 a minimum of 72 hours prior to the subcontractor performing any work. Notification shall include the name of the subcontractor performing the work, the subcontractor's Miami-Dade County license number or state general contractor license number, and scope of work. Failure to comply with this condition is a violation of the Class I permit and may result in enforcement action by the Department.
11. The contractor shall take all necessary precautions to prevent construction or demolition debris from falling into the water or adjacent wetlands. Any debris that falls into the water and/or adjacent wetlands shall be removed immediately. Construction and demolition debris shall be disposed of in accordance with all federal, state and local regulations.
12. Turbidity controls (such as, but not limited to, turbidity curtains) shall be implemented whenever visible plumes are present to ensure compliance with the water quality standards stipulated in Section 24-42(3) of the Code of Miami-Dade County. Turbidity controls shall be employed and maintained in the most effective manner possible to prevent turbidity from extending beyond the control mechanism in place.

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13. Turbidity may not exceed 0 Nephelometric Turbidity Units (NTU) within the Aquatic Preserve or 29 NTU outside of the Aquatic Preserve, above background beyond the turbidity control device or 50 feet from any point of discharge. Turbidity levels shall be monitored. If the turbidity levels exceed the above standards, all construction shall stop and additional turbidity controls shall be implemented. Work shall not resume until the contractor has implemented adequate turbidity control methods and has received authorization from DERM to recommence work. At DERM's discretion, turbidity samples may be required to be collected in accordance with Section 24-44.2(3) of the Code of Miami-Dade County.
14. If any work or activity associated with this project is to take place in navigable waters, the contractor shall instruct all personnel associated with the project of the potential presence of manatees and the need to avoid collision with manatees. All vessels associated with the project must operate at "Idle Speed/No Wake" at all times while in water where the draft of the vessel provides less than a 4 foot clearance from the bottom. Additionally, all vessels will follow routes of deep water whenever possible. All in-water construction activities shall cease upon the sighting of a manatee(s) within 50 feet of the project area and will not resume until the manatee(s) has departed the project area. Any collision with and/or injury to a manatee shall be reported immediately to the "Manatee Hotline" (1-888-404-FWCC), the U.S. Fish and Wildlife Service, Jacksonville Field Office (904) 791-2580, and DERM (305) 372-6864.
15. The contractor shall ensure that all vessels associated with the construction shall operate within waters of sufficient depth so as to preclude bottom scouring or prop dredging and shall maintain a minimum of 1 foot of water between the vessel bottom and submerged aquatic resources.
16. The contractor shall ensure that there are no impacts to seagrass, hard corals, or soft corals as a result of construction operations, such as, but not limited to, propeller scouring; and vessel or barge anchoring, grounding or spudding. The marine contractor and permittee shall be held jointly liable for any of these unauthorized impacts. For any impacts caused by the construction operation, DERM shall require, at a minimum, restoration and mitigation.
17. For the purposes of this permit, "vessel" is herein defined as any craft designed to float or navigate on water, including but not limited to: sailboats, powerboats, rowboats, boats, ships, skiffs, houseboats, personal watercraft and inflatable boats.
18. Pursuant to Section 24-48.10 of the Code of Miami-Dade County the work or structures authorized under this permit shall be privately maintained by the permittee, his successors and assigns. Whenever, in the opinion of the Director of the DERM, said work or structures are not maintained in such a manner so as to prevent deterioration to the extent that they become a hazard to the public or to navigation, or create an obstruction of flow, or prevent access for drainage maintenance purposes, or may damage adjacent property, then the owner is required to perform any necessary remedial work.
19. Unless otherwise authorized in this permit and pursuant to Sections 24-48.23 and 24-48.24 of the Code of Miami-Dade County, the installation or construction of non-water-dependent floating or fixed structures (e.g. covered structures, canopies, helicopter pads, commercial signs, etc.) is prohibited in, on, over or upon any of the tidal waters of Miami-Dade County and constitutes a violation of this permit. Failure to comply with this condition may subject the permittee to enforcement action without further warning.
20. The time allotted to complete the work for which this permit has been issued shall be limited to the period stipulated on the permit unless the permittee requests an extension of time from the Department in writing at least 30 days prior to the date of permit expiration. Applications for extensions of time that are not timely filed pursuant to Section 24-48.9(2)(b) of the Code of Miami-Dade County will be returned to the permittee.
21. An application for Transfer of a Class I permit may be filed with DERM at any time prior to the transfer of property ownership up to 120 days after the date of transfer of fee simple ownership of the property that is the subject of the permit. The Application for Transfer must be signed by both the transferee and transferor. Applications for Transfer shall be filed in the form prescribed by DERM and shall not be processed if the filed Application for Transfer is not fully complete in all respects pursuant to Section 24-48.18, of the Code of Miami-Dade County within 120 days of the date of transfer of property ownership.
22. If the project involves construction, replacement, or repair of a seawall, the new seawall cap shall be a minimum of 6 inches above the final grade of the uplands immediately adjacent, and in order to prevent positive drainage of

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- stormwater into the waterway, all uplands immediately adjacent to the new seawall shall be graded away from the waterway.
23. To further reduce the possibility of injuring or killing a manatee during construction, work within portions of the Biscayne Canal, Little River, and the Coral Gables Waterway shall be performed only between May 1 and November 15.
 24. A minimum of 1 foot of clearance shall be maintained at all times between the submerged bottom, and any existing benthic resources, and any vessels moored at the property.
 25. Adequate clearance shall be maintained at all times between the submerged bottom, and any existing benthic resources, and any vessels moored at the property, such that there are no impacts to benthic resources or the submerged bottom, including but not limited to bottom scouring or prop dredging.
 26. If railing is required to be installed pursuant to this permit, it shall be installed within 30 days of completion of the permitted work, and prior to the use of the structure(s) authorized by this permit, including the mooring of vessels.
 27. A performance and/or mitigation bond may be held to ensure compliance with the aforementioned conditions and the completion of any required mitigation. Failure to comply with any of these conditions may result in the revocation by Miami-Dade County of all or a portion of the bond without further notice.

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