

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
GRANT WORK PLAN
DEP AGREEMENT NO.: R1933**

ATTACHMENT 3

Project Title: Good Neighbor Stormwater Park

Grantee Contact Information:

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FEID No.: 59-6000390

PROJECT LOCATION: North Miami

WORK PLAN

1. Project Summary:

The Good Neighbor Stormwater Park is a new kind of public space, situated in North Miami, that combines a community park with local flood prevention. It will serve as a much-needed public amenity for a low-lying residential neighborhood in North Miami that endures frequent flooding. The park features a stormwater retention basin, a native plant garden, and interactive water gauges that form a dynamic and absorbent landscape. By integrating public space and stormwater infrastructure, the park will reduce residents' flood risk, increase public awareness around flooding, and address the city's broader sea level rise challenges.

2. Project Description:

As the number of flooded properties continue to increase due to sea level rise and climate change, innovative approaches to public space design can help mitigate the negative impact of vacant or abandoned flooded lots and instead reimagine new uses that contribute to broader community well-being. In North Miami, this stormwater park will reduce flooding risk for residents in a low-lying neighborhood that cannot necessarily afford to move or rebuild their houses. In addition, the park will raise awareness around flooding and stormwater issues through its interactive components, and ultimately, it will promote a community-oriented approach to stormwater infrastructure in the South Florida region and beyond.

The Good Neighbor Stormwater Park is the winning project of Van Alen Institute's initiative "Keeping Current: A Sea Level Rise Challenge for Greater Miami." This project has been nationally recognized by *The Miami Herald*, *Next City*, *FastCompany*, and *WLRN Miami*. The project design team is led by Department Design Office and comprised of local architect Andrew Aquart, Miami artist Adler Guerrier, and hazard mitigation start-up [Forerunner](#).

The site for this project is one of two "repetitive loss" properties owned by North Miami. A FEMA-designated "repetitive loss property" is any insurable building for which two or more claims of more than \$1,000 were paid by the National Flood Insurance Program (NFIP) since 1978. Within North Miami, the majority of "repetitive loss" sites occur within the historic Arch Creek Basin, a former waterway. Urban development over this waterway, exacerbated by sea level rise and other environmental factors, has contributed to present-day issues with frequent flooding. As part of a broader effort to think about the future of these flooded lots, the design team is working with the city to examine how "repetitive loss" sites can give back to the community in a meaningful way.

The design proposal transforms a vacant "repetitive loss" site into a "stormwater park" for collective benefit. Unlike other forms of stormwater infrastructure that are typically buried underground, however, this park highlights and celebrates the stormwater elements: a large central basin collects stormwater and alleviates flooding for the neighborhood; an oversized blue pipe conveys water to the basin and a limestone platform offers a place to sit and play; a bioswale circumscribes the site, filters stormwater, and accompanies a walking path through native South Florida plants and biomes. Finally, a series of elevation markers are interspersed throughout the basin and indicate the fluctuation in water levels. Ultimately, this stormwater park operates to simultaneously grow public awareness, reduce local flood risk, lower flood insurance rates over time, and provide more community open space. This project paves the way for other community-oriented infrastructure and resilience projects in North Miami and in the South Florida region at large.

3. Project Need and Benefit:

- a. Explain the demonstrated need, which the project addresses.

The City of North Miami is piloting an approach to the “repetitive loss properties” that integrates the need for improved stormwater infrastructure with community-oriented design and public space. The stormwater park functions primarily to reduce flooding on a local level by absorbing stormwater through landscape elements and native plantings. The park offers a new neighborhood-scaled approach, that when aggregated, will have a larger impact on stormwater management in North Miami and will help the city raise its CRS score and reduce flood insurance rates citywide.

- b. Explain how the proposed project meets the purpose of one or more of the Goals and/or Priority Areas.

The stormwater park, and its accompanying city-wide “repetitive loss” masterplan, explicitly meets the purposes of Priority Areas 2 and 3 as stated by the RPG. The park achieves the policies set out by the City’s Coastal Management Element in their Comprehensive Plan 2036. It addresses Policy 5A.1.4-1.7 by reducing community flood risk through stormwater retention, public outreach, and open/green space. As a pilot project on one of two city-owned “RL properties,” project more specifically builds on Policy 5A.1.8: “Continuous attempts should be made by the City to promote the acquisition, or retrofit of RL properties.” In addition, the stormwater park, daylights a small point within the historic Arch Creek basin and raises awareness around the historic waterway.

- c. Discuss how the project is feasible and can be completed by the Deadline of April 30, 2020.

The stormwater park has already completed the permitting process with Miami-Dade County and will be entering the permitting process with the City of North Miami by mid-October. Contractors have been contacted, and the project team is poised to move forward with construction by November. The project is slated for completion on January 20, 2020 and will be accompanied by a soft ribbon cutting ceremony and a local exhibition on December 15, 2019. This proposal is seeking funding solely for implementation and construction of the stormwater park including excavation, planting, site signage, and site furniture.

4. Budget Summary:

FIXED PRICE	Grant Amount Requested
AGREEMENT TOTAL	\$50,000

A. Provide an explanation on what methods were used to determine the amount you are requesting:

The grant amount requested has been determined with a contract bid, drawing set, and cost estimate. These additional funds will allow us to complete the construction of the park including installing the native plant garden, site signage, and site furniture.

5. **Project Timeline:** All tasks are to be completed and submitted no later than the Deliverable due date listed in the table below. Request for any change must be submitted prior to the current deliverable due date listed in the project timeline. Request are to be sent via separate email to the Department’s Grant Manager, with the details of the request being made and the reason for the request.

PROJECT TIMELINE

Task No.	Task Title	Deliverable Due Date	Task Amount
1	Construction + Implementation	01/20/2020	\$50,000

6. **Performance Measure:** The Department's Grant Manager will review the deliverables to verify that they meet the specifications in the Grant Work Plan and this task description, to include any work being performed by any sub-contractor(s). Upon review and written acceptance by the Department's Grant Manager of all deliverables under this task, the Grantee may proceed with payment request submittal. All deliverable documents must be provided in an electronic downloadable format.
7. **Consequences for Non-Performance:** The Department will reduce each Task Funding Amount by 5% for every day that the Deliverable(s) is not received on the specified due date in the most recent Project Timeline, for the Agreement. Should a Change Order or Amendment be requested on the date of or after the most current Deliverable Due Date, the 5% reduction of that Task Funding Amount will be imposed until the date of the requested change is received, via email by the Department.
8. **Payment Request Schedule:** Grantee may submit a request for the Task Funding Amount to be paid using the Exhibit C, after all Deliverables for that Task have been approved by the Department. Request(s) for payment must include the Exhibit A showing 100% completion of that Task and must be submitted within 45 days of the Deliverable Due Date.

Or

Grantee may submit one request for the Grant Amount Awarded, by using the Exhibit C, after the project is 100% completed. The request for the Grant Amount Awarded, must include an Exhibit A showing 100% completion for all Tasks, and must be submitted within 45 days of the Deliverable Due Date.

TASKS & DELIVERABLES

Task #1

1. **Title:** Construction and Implementation
2. **Description:** This task includes construction and construction administration. Construction includes excavation/sitework, installation of site infrastructure, site signage, and site furniture; and native plantings.
3. **Deliverable:** Construction completed to date as described in this task, as evidenced by these interim deliverables:
 - a. Dated color photographs of the construction site(s) prior to, during, and immediately following completion of the construction task;
 - b. Written verification that the Grantee has received record drawings and any required final inspection report(s) for the project; and
 - c. Signed statement from a Florida Licensed Professional Engineer indicating construction has been completed in accordance with the design.