



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

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RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVERSON
SECRETARY

FED EX DELIVERY - SIGNATURE REQUIRED

Mr. Carlos Arroyo
Stormwater Utility Manager
City of Doral
8401 Northwest 53rd Terrace
Doral, Florida 33166

Re: LP13201 – City of Doral
Canal Bank Stabilization

Dear Mr. Arroyo:

Enclosed is one original of Amendment 1 to the City of Doral's stormwater improvement project. The amendment reallocates the budget and extends the date of completion for the project. The amendment is now in effect.

If we may be of further assistance, please contact Teresa Cruce at 850-245-8377.

Sincerely,

Angela Knecht, Program Administrator
State Revolving Fund Management

AK/tc

Enclosure

cc: Joe Carollo – City of Doral

**STATE FINANCIAL ASSISTANCE AGREEMENT
DEP AGREEMENT NO. LP13201
CITY OF DORAL
AMENDMENT NO. 1**

THIS AGREEMENT as entered into on the 27th day of January, 2014, between the FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (hereinafter referred to as the "Department") and the CITY OF DORAL (hereinafter referred to as the "Grantee") is hereby amended. Collectively, the Department and the Grantee shall be referred to as "Parties" or individually as a "Party".

WHEREAS, the Grantee has requested a reallocation of the budget for the project; and,

WHEREAS, the Grantee has requested an end date that extends beyond the current authorized funding period; and,

WHEREAS, certain provisions of the Agreement need revision.

NOW, THEREFORE, the parties hereto agree as follows:

1. Section 2. of the Agreement is hereby revised to change the completion date of the Agreement from January 31, 2015, to December 31, 2015.
2. Section 3C. of the Agreement is hereby revised to change the final Disbursement Request Package submittal date from April 30, 2015, to March 31, 2016.
3. **Attachment A**, Project Work Plan, is hereby deleted in its entirety and replaced with **Attachment A-1**, Revised Project Work Plan, attached hereto and made a part of the Agreement. All references in the Agreement to **Attachment A**, shall hereinafter refer to **Attachment A-1**, Revised Project Work Plan.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

This Amendment 1 to State Financial Assistance Agreement LP13201 shall be executed in two or more counterparts, either of which shall be regarded as an original and all of which constitute but one and the same instrument.

IN WITNESS WHEREOF, the Department has caused this amendment to the State Financial Assistance Agreement to be executed on its behalf by the Program Administrator of the Department and the Grantee has caused this amendment to be executed on its behalf by its Authorized Representative. The effective date of this amendment shall be as set forth below by the Program Administrator of the Department of Environmental Protection, State Revolving Fund.

CITY OF DORAL

By:

City Manager

Date:

1-20-15

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

By:

Program Administrator
State Revolving Fund

Date:

JAN 27 2015

FEID No.:

731690945

Approved as to form and legal sufficiency
for the sole use of the City of Doral.


City Attorney

Daniel A. Espino
Print Name

Approved as to form and legality:


DEP Attorney

List of attachments/exhibits included as part of this Agreement:

Specify Type	Letter/ Number	Description (include number of pages)
Attachment	A-1	Revised Project Work Plan (3 Pages)

AP, Inc. is a not-for-profit organization.
for the purpose of the program.

Print Name

**ATTACHMENT A-1
REVISED
GRANT WORK PLAN
CITY OF DORAL
LP13201**

Project Title: Canal Bank Stabilization
Project Location: City of Doral, Miami-Dade County, Florida <u>Northline Canal</u> – Located along Northwest 25 th Street between Northwest 117 th Avenue and Northwest 107 th Avenue <u>Dressels Canal</u> – Located along Northwest 97 th Avenue between Northwest 41 st Street and Northwest 49 th Terrace, and Dressels Canal along Northwest 52 nd Street between Northwest 104 th Avenue and Northwest 102 nd Avenue
<p>Project Background: The City of Doral has 11 miles of open canal that are maintained by the City. The canals have exposed canal slopes that are steep and severely eroded which require some level of canal bank stabilization to avoid potential damage to adjacent properties, reduce sedimentation of the canal cross section to maintain adequate carrying capacity of the canals, minimize potential safety hazards created by steep canal banks, and improve aesthetics of the canal banks.</p> <p>The City has been able to complete Years I, II, and III of the VII-Year Canal Bank Stabilization Program since commencement in September 2010. Year IV consists of the stabilization of approximately 1.6 linear miles of canal (3.2 miles of canal bank) adjacent to public roads, residential and commercial areas. The chosen method for canal slope stabilization is the use of geo-web system as it provides the optimum combination of durability, economy and aesthetics.</p> <p>The Canal Bank Stabilization Program protects public health and the environment. Year IV will not only reduce potential for flooding and erosion, it will reduce possible undermining of public and private property, will minimize loss of property value, and will reduce potential lawsuits due to damages. Three inches of erosion of canal banks per year would signify an approximate cost of lost land value of \$45,342.75 per year for properties adjacent to canals. This value takes into consideration that the average cost of land value in the City of Doral is \$1,000,000 per acre. With this project the City is preventing potential for erosion of approximately \$473,427.46 worth of land lost every 10 years. For this reason, the Florida Department of Environmental Protection should fund the Project.</p> <p>The Project has not progressed as expected and the Contractor will be entering the Project section which has the most constraints and limitations, therefore an extension is requested.</p>
Project Description: Year IV of the Canal Bank Stabilization Program consists of the stabilization of approximately 1.6 miles of canal (3.2 miles of canal bank) through geo-web techniques. This geo-synthetic product consists of open cells that can be filled with concrete or gravel to cover canal slopes. The geo-web system is placed and stretched over the slope, anchored to grade and then filled as appropriate to limit erosion.

Along with the canal bank stabilization, the City will be constructing a maintenance/pedestrian/bike shared use path along some sections of the Project's location. The City **will not** seek reimbursement for the costs associated with the construction of this path. Deliverable 2.b "Stabilization of the Dressels Canal" did not progressed as originally scheduled and planned due to access limitations and discrepancies with the Contractor on bid costs. The timeline of completion was revised to December 2015 to be able to better coordinate access and solve discrepancies with Contractor.

Tasks for the completion of the project are:

1. Task - Professional Services

1a.Deliverable: Construction Engineering and Inspection (CEI)

Grant Manager will provide a copy of the bid tabulation, a copy of the contract, contract timesheets, invoice, hours worked, and pictures of work completed. Engineering Firm shall ensure the Project is kept on budget and on schedule, Requests for Information (RFI's) are answered in a timely manner, and Change Orders are kept at a minimal.

Timeline for completion: December 31, 2015

Budget Information: Contractual

Contractual: \$142,188 (DEP funds: \$71,094; Match funds: \$71,094)

Performance Standard: The DEP Grant Manager will review deliverables to make sure the CEI firm keeps Project on schedule and on budget, construction is performed in accordance with Project Specifications, RFI's are answered in a timely manner, and Change Orders are kept at a minimal.

Financial Consequences: Failure to meet the performance standard above will result in the rejection of the invoice for reimbursement and/or denial of the match claim.

2. Task Canal Bank Stabilization

Stabilization of the north bank of the Northline Canal – Stabilization of approximately 1 mile of canal (1 mile of canal bank) to prevent further erosion of banks, protect public and private property and health, and protect the environment.

Stabilization of the Dressels Canal – Stabilization of approximately .6 mile of canal (1.2 miles of canal bank) to prevent further erosion of banks, protect public and private property and health, and protect the environment.

2a.Deliverable: Stabilization of the Northline Canal

Grant Manager will provide a copy of the bid tabulation, a copy of the contract, contract timesheets, invoice, hours worked, and pictures of work completed. Stabilization will control ongoing slope erosion and will protect public and private property.

Timeline for completion: December 31, 2015

Budget Information: Contractual

Contractual: \$1,315,996 (DEP funds: \$657,998; Match funds: \$657,998)

Performance Standard: DEP Grant Manager will review deliverable to ensure Contractor mobilizes in a timely manner, Project commences on time, stabilization is completed on time and on budget with minimal change orders, and erosion is controlled.

Financial Consequences: Failure to meet the performance standard above will result in the

rejection of the invoice for reimbursement and/or denial of the match claim.

2b.Deliverable: Stabilization of the Dressels Canal

Grant Manager will provide a copy of the bid tabulation, a copy of the contract, contract timesheets, invoice, hours worked, and pictures of work completed. Stabilization will control ongoing slope erosion and will protect public and private property.

Timeline for completion: December 31, 2015

Budget Information: Contractual

Contractual: \$976,211 (DEP funds: \$270,908; Match funds: \$705,303)

Performance Standard: DEP Grant Manager will review deliverable to ensure Contractor mobilizes in a timely manner, Project commences on time, stabilization is completed on time and on budget with minimal change orders, and erosion is controlled.

Financial Consequences: Failure to meet the performance standard above will result in the rejection of the invoice for reimbursement and/or denial of the match claim.

Total Budget by Task and Deliverables:

Tasks		DEP Funding	Matching Funds and Source	
			Matching Funds	Source of Funds
1	Professional Services			
1a	CEI	\$71,094	\$71,094	Stormwater Fund
2	Canal Bank Stabilization			
2a	Northline Canal Stabilization	\$657,998	\$657,998	Stormwater Fund
2b	Dressels Canal Stabilization	\$270,908	\$705,303	Stormwater Fund
Total:		\$1,000,000	\$1,434,395	Stormwater Fund
Project Total:		\$2,434,395		

NOTE:

Construction costs adjusted from preliminary estimate to actual bid submittal.