



Rafael G. Casals  
Town Manager

**MEMORANDUM**

To: Honorable Mayor and Town Council

From: Rafael G. Casals, Town Manager

Date: October 15, 2014

Re: A Resolution approving the State of Florida Financial Assistance Agreement for Stormwater Improvements – Cutler Bay Academy of Advanced Studies: Centennial Campus Drainage Improvement Project

**REQUEST**

**A RESOLUTION OF THE MAYOR AND TOWN COUNCIL OF THE TOWN OF CUTLER BAY, FLORIDA, APPROVING THE STATE FINANCIAL ASSISTANCE AGREEMENT BETWEEN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (CONTRACT# SO744) AND THE TOWN OF CUTLER BAY FOR STORMWATER IMPROVEMENTS; AUTHORIZING THE TOWN MANAGER TO EXECUTE THE SAME AND PROVIDING FOR AN EFFECTIVE DATE.**

**BACKGROUND AND ANALYSIS**

During the 2013 State Legislative Session, both Town staff and Lobbyist, worked closely to prepare a Community Budget Issue Request (Attachment “A”), for Stormwater Improvements along SW 212 Street, directly in front of Cutler Bay Academy of Advanced Studies – Centennial Campus.

The project will consist of drainage improvements, exfiltration trench for water quality treatment, new outfall pipe connection, roadway resurfacing, pavement markings, and site restoration. The sub-basin is completely developed with single family residential land use and is located directly across from a public high school. Drainage runoff from this project flows into the South Florida Water Management Districts L-31 Canal and ultimately to Biscayne Bay.

The proposed Best Management Practices (BMP) will reduce non-point source pollutant load to the L-31 and Biscayne Canal (C-1); a verified impaired body of water. This project will implement a stormwater treatment train that will include;

- Installation of manatee grates
- Installation of outfall pipes with headwall
- Construction and/or Repair Manholes
- Installation exfiltration trench
- Installation pollution retardant baffles





The purpose of these proposed Stormwater improvements is to restrict the discharge of pollutants to Town’s Canals and provide water quality and quantity treatment. These improvements are anticipated to reduce pollutant loadings to the L-31 Canal (located along SW 87 Avenue).

<b>Pollutant</b>	<b>Existing Load (kg/yr)</b>	<b>Reduction (kg/yr)</b>	<b>Proposed Load (kg/yr)</b>	<b>Percentage Reduction</b>
Total Phosphorous (TP)	2.38	2.20	.17	92.65%
Total Nitrogen (TN)	18.72	16.75	1.97	89.5%
Total Suspended Solids (TSS)	224.40	203.19	21.21	90.55%

As part of our commitment to Public Outreach, the Public Works Department will visit local Homeowners’ Association Meetings and distribute project flyers, to all affected residents in the area prior to the start of construction. The purpose of the Public Outreach campaign will be to education the public about the proposed drainage improvement project and stormwater pollution & treatment in general.

The Stormwater Project is located within the Saga Bay sub-basin area which, is identified as a “high” priority, as per the Town’s adopted Stormwater Master Plan. The total estimated cost of the stormwater improvement project is \$569,730 which is located within the Saga Bay Community drainage sub-basin. In order for the Town’s CBIR request to rank high, the proposal included an estimated \$ 169,730 (30%) Town’s matching funds. This funding is obtained through “Stormwater Utility Fees” in accordance with the Town’s adopted Stormwater Master Plan. This fee is assessed on the utility bill of each residential or commercial property. This fee has not been increased for the purpose of funding this project.

The Town’s estimated matching funds are budgeted within the Stormwater Utility fund. The remaining \$300,000 will be funded by the State of Florida – Department of Environmental Protection, Fiscal Year 2014-15 General Appropriation Act (Contract # SO744).

**RECOMMENDATION**

It is recommended that the Town Council approve the attached Resolution authorizing the Town Manager to execute the State Financial Assistance Agreement.

