



# Flood Mitigation Project List Status 2018 Annual Report



## Floodplain Mitigation Plan

Town of Cutler Bay, FL



May 2015  
Adopted via Resolution #15-27



- Funded by the Flood Mitigation Assistance Grant in the amount of \$49,400.
- Town “In-Kind” Contribution-Staff Time
- Public Meetings held:
  - 10-24-2013
  - 12-11-2013
  - 1-16-2014
  - 2-20-2014
  - 4-22-2014
  - 7-17-2014
  - 9-25-2014
  - 3-31-2015
  - 6-25-2015
- Adopted via Town Resolution #15-27, May 20, 2015

# Project List

- Project #1- Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements.
- Project #2- Cleanout storm drains on a biennial basis.
- Project #3- Improve drainage along the C-100 canal through a dredging project.
- Project #4- Improve drainage in the Saga-Bay sub-basins through upgraded stormwater piping.
- Project #5- Implement program to identify all catch basins located on private streets in gated communities.
- Project #6- Continue implementation of drainage system maintenance on all surface water channels, canals and ditches.
- Project #7- Improve drainage along a flood prone Town streets or neighborhoods.
- Project #8- Promote an Enviro-Scape model to elementary school students.
- Project #9- Work with local, state and federal partners to target repetitive loss properties for acquisition or elevation.
- Project #10- Promote retrofitting techniques for flood-proofing of residential structures.
- Project #11- Develop local Ordinance to require landscapers to register with the Town.
- Project #12- Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS.
- Project #13- Promote the purchase of flood insurance to residents and businesses.
- Project #14- Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD.
- Project #15- Increase awareness of the flood hazard through development of a program for public information.
- Project #16- Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations.
- Project #17- Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities.
- Project #18- Treat all Town owned and maintained storm drains with a 90-day supply of Four-star Briquettes to help control mosquitoes and the Zika Virus.
- Project #19- Saga Bay 1.7 Drainage Improvement Project to improve drainage along a flood prone Town streets or neighborhoods.
- Project #20- Develop a Watershed Master Plan aide making decisions that will reduce the increased flooding from development on a watershed-wide basis.

## Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements

- ***Project Description:*** Inventory all canals (whether owned by the Town or other agency or community) to determine where erosion is causing banks to erode and collapse so that the capital improvement strategy can be put in place for maintenance.
- ***Project Benefits:*** reduces potential losses to buildings which could be damaged from canals not operating properly.
- ***Status:*** Project was in the 2018 State Legislative Item Submittal report under project #2018-01 - Canal Bank Erosion Protection Project. **Ongoing as of December 4, 2018.**



## Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements

### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

#### FY2016 COOPERATIVE FUNDING PROGRAM STORMWATER PROJECT APPLICATION PART 1

Please note that applicants must use this form and applications are limited to three pages plus one additional page for a project location map. The South Florida Water Management District must receive all Applications by November 21, 2014 at 3:00 p.m. Applications can be uploaded starting on November 3, 2014 at <http://www.sfwmd.gov/coopfunding> or submitted via regular mail or hand delivery to Karen Hargray at SFWMD, 3301 Gun Club Road, West Palm Beach, FL 33406.

Project Name: Canal Bank Erosion Protection	
Applicant: Town of Cutler Bay	
Applicant Representative: Alfredo Quintero, Public Works Director	
City/Zip: Cutler Bay, 33189	
E-mail: <a href="mailto:aquintero@cutlerbay-fl.gov">aquintero@cutlerbay-fl.gov</a>	
Address: 10720 Caribbean Blvd. #105	
Telephone: 305-234-4262	
Total FY2016 Project Cost: \$ 350,000	
Total Project Cost, if multi-year project: \$ N/A	
FY2016 Funding Request: \$ 175,000	
Local Match: \$ 175,000	
County: Miami-Dade	
Stormwater, Flood Control and Ecosystem Restoration Project Type:	
<input checked="" type="checkbox"/> Stormwater <input type="checkbox"/> Flood Control <input checked="" type="checkbox"/> Ecosystem Restoration	
Will this project reduce pollutant loadings to a District designated priority surface water body?	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
If yes, indicate the water body: Tier 1: Biscayne Bay including the Cutler Wetlands	
Is this a multi-year project: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Are there any other agencies contributing funding to this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If yes, please list agency and funding amount: The Town is providing match funding, and is actively searching for additional grant opportunities to fund this project.	
Is the Applicant a REDI Community? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### PROJECT SUMMARY

Provide information that describes the project and tasks that will be completed in FY2016 with requested funds, including how this project advances the District's Strategic Plan, and if applicable, the Big Cypress Basin's Strategic Plan. Please indicate if this project is included in a local government comprehensive plan, watershed management plan or some other adopted plan or study (e.g., is there a documented need for this project?). The Town of Cutler Bay is requesting \$175,000 to implement the Canal Bank Erosion Protection project in accordance with the Town's 2014 Local Mitigation Strategy. This project includes the removal of undesirable debris, trees, predominantly Australian pines and ficus, located in close proximity to the canal bank. These trees are prone to falling during a severe windstorm or hurricane causing flow obstruction as well as damage to the canal bank resulting in increased erosion.

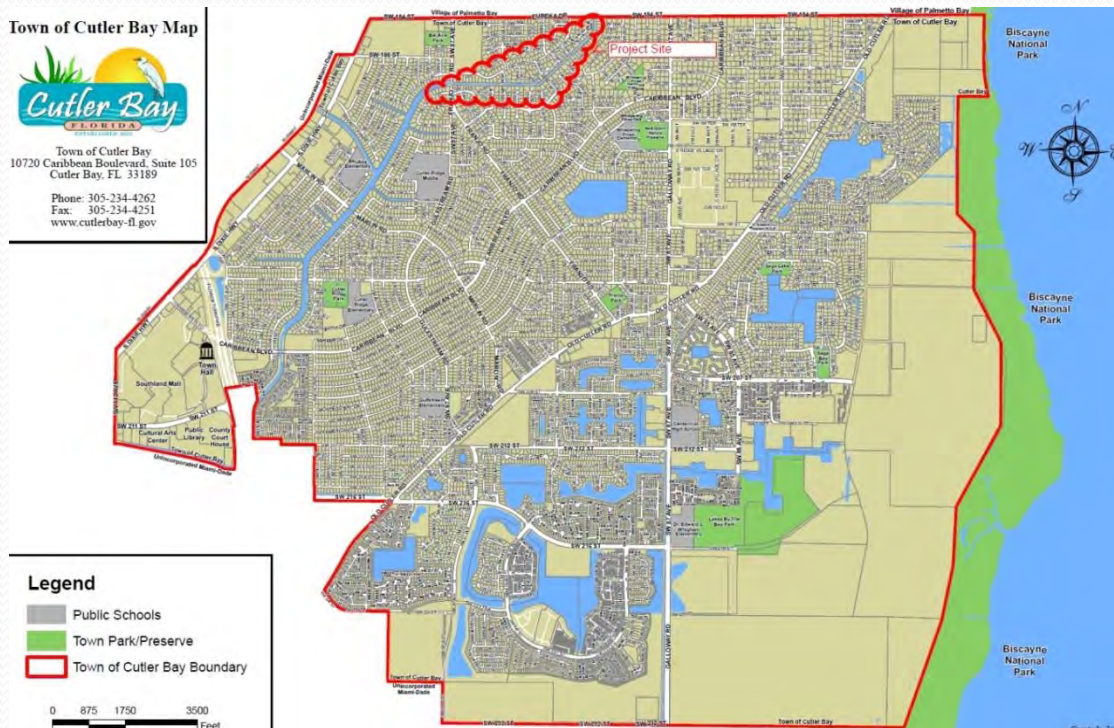
Project Description and Timeline (include water body and/or watershed): Funding from the South Florida Water Management District will allow the Town to design and construct erosion protection structures and bank stabilization projects along Town maintained canals. The Town has coordinated with the SFWMD to construct a canal stabilization project, south of the Caribbean Boulevard Bridge,

## Grant application

- Funding requested by the Town \$175,000 (50%).
- Town contribution \$175,000 (50%) through the Stormwater Utility Fund.
- Total project cost: \$350,000.

# Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements



- Map of proposed improvements.
- 2018 State Legislative Items Submission #2018-01.

## Project # 2

### Cleanout storm drains on a biennial basis

- ***Project Description:*** Ensure that storm drains are cleaned on a regular and consistent basis in order to maintain adequate stormwater drainage as they were designed.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from catch basins not draining properly.
- ***Status:*** Town budgeted \$275,000 annually for stormdrain maintenance in Fiscal Year 2017-18 under purchase order #01550. The Town budgeted \$275,000 for storm drain maintenance in Fiscal Year 2016-17. P.O. #1269 was issued and completed. Funding source: Stormwater Utility Fund.

## Cleanout storm drains on a biennial basis

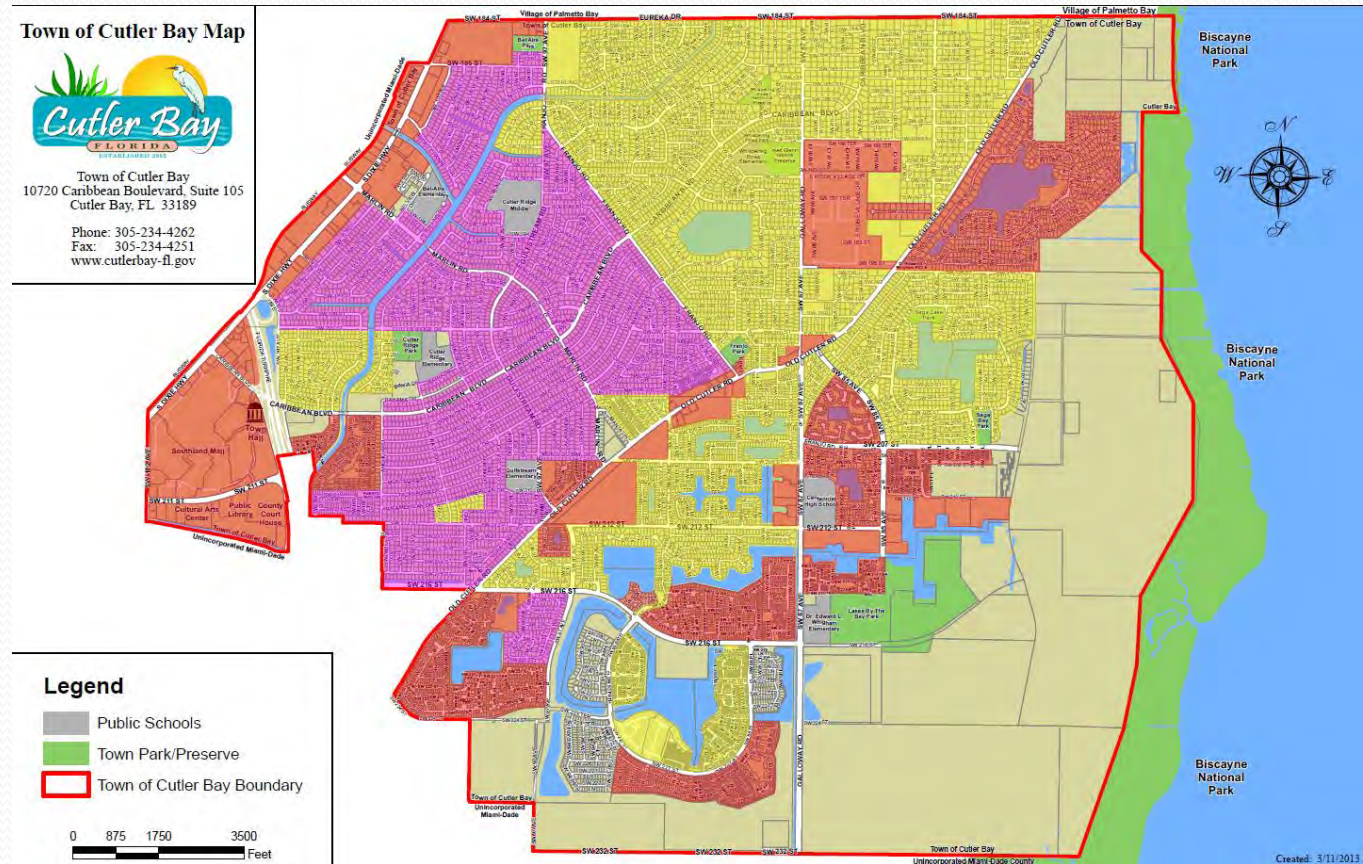
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## Project # 2

# Cleanout storm drains on a biennial basis

- Red Highlight = Private properties
- Yellow Highlight = Cleaning Performed in Fiscal Year 2017 - 2018
- Pink Highlight = Cleaning scheduled for Fiscal Year 2018-2019
- Brown color areas = No work performed under this purchase order



## Project #3

### Improve drainage along the SFWMD C-100 canal through a dredging project

- ***Project Description:*** Mitigate/reduce flooding in the sub-basin that currently outfalls to the canal by dredging the C-100 canal.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from inadequate drainage within the canal.
- ***Status:*** Caribbean Bridge Replacement and adjacent dredging design have been completed. Once the bridge replacement and adjacent dredging have been completed, the SFWMD has verbally committed to dredge canal from Caribbean Bridge to structure S21, near Black Point Marina. Miami-Dade County has finalized all permits for the project. The County is currently entering into the procurement stage and competitive bidding process. Estimated Cost \$1,456,08.06 Set for procurement September 2019.



## Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

### Project Overview

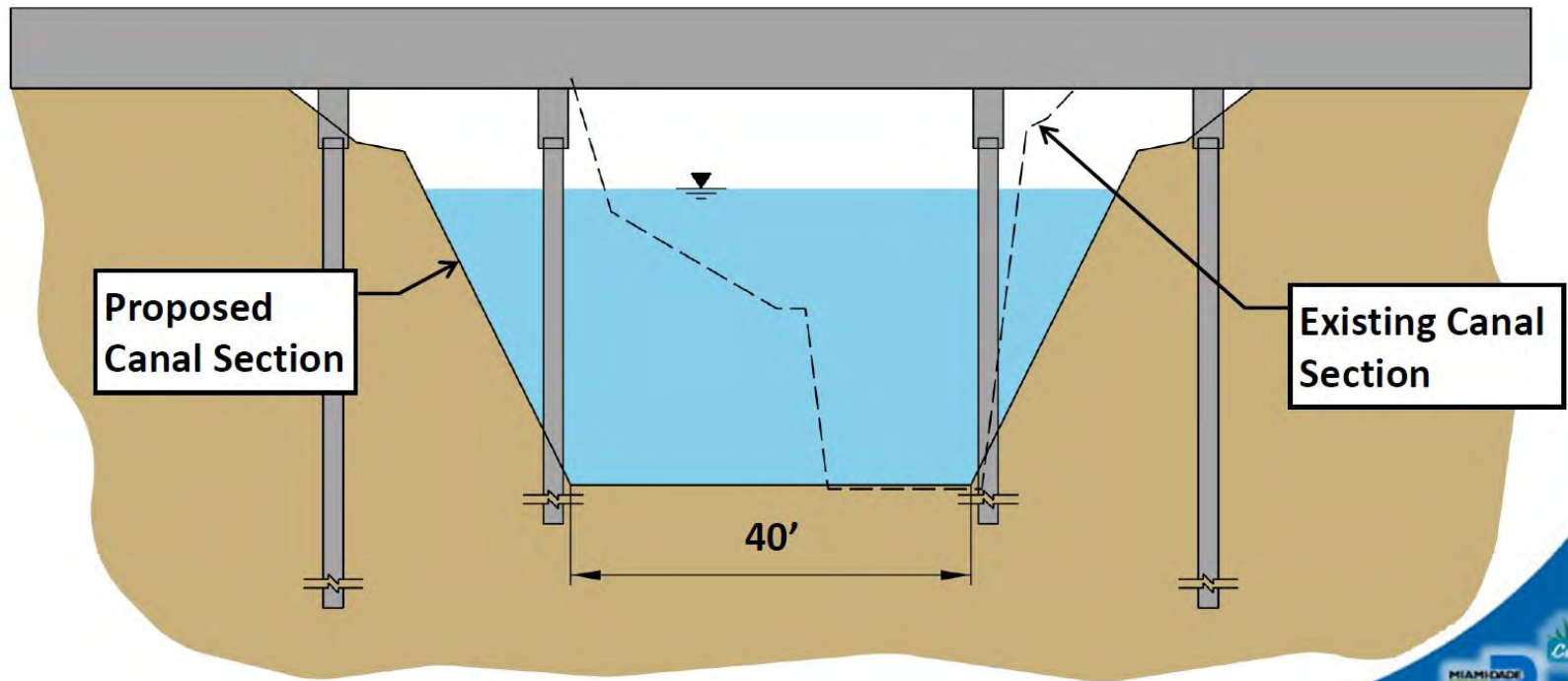


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## Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

### Proposed Canal Improvements

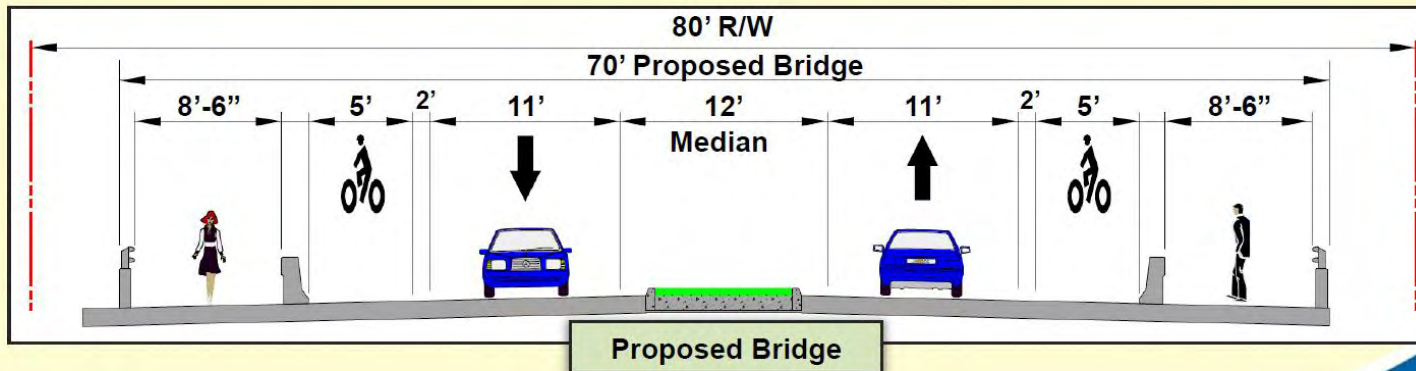
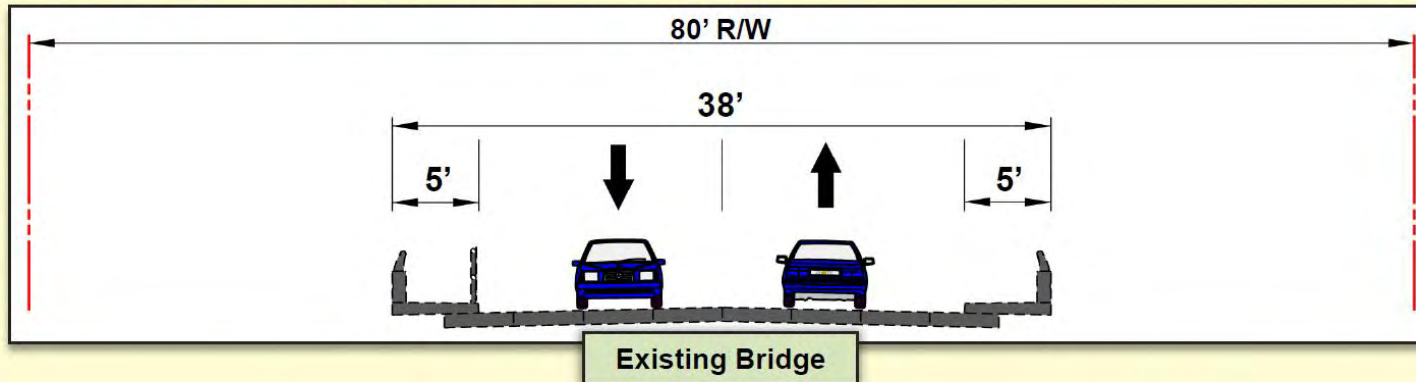




## Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

### Bridge Typical Section



## Project #4

Improve drainage in the Saga-Bay sub-basins through upgraded storm water piping. Current sub-basin: Saga Bay 1.2

- ***Project Description:*** Based on hydrologic and hydraulic calculations, the capacity of the existing drainage infrastructure is not sufficient to discharge the volume of runoff that is necessary to meet the desired performance criteria for the modeled storm event.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from storm water ponding. This project will help to eliminate hazardous driving conditions for the citizens of Cutler Bay during heavy rainfall events.
- ***Status:*** The Notice to Proceed commencement date is September 17, 2018. **Project is under construction.**

# Project #4

Improve drainage in the saga-bay sub-basins through upgraded storm water piping. Current sub-basin: Saga Bay 1.2

## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### FY2016 COOPERATIVE FUNDING PROGRAM STORMWATER PROJECT APPLICATION PART 1

Please note that applicants must use this form and applications are limited to three pages plus one additional page for a project location map. The South Florida Water Management District must receive all Applications by November 21, 2014 at 3:00 p.m. Applications can be uploaded starting on November 3, 2014 at <http://www.sfwmd.gov/coopfunding> or submitted via regular mail or hand delivery to Karen Hargray at SFWMD, 3301 Gun Club Road, West Palm Beach, FL 33406.

Project Name: Saga Bay 1.2 Sub-Basin Water Quality Improvement Project	
Applicant: Town of Cutler Bay	Applicant Representative: Alfredo Quintero, Public Works Director
Address: 10720 Caribbean Blvd. #105	City/Zip: Cutler Bay, 33189
Telephone: 305-234-4262	E-mail: <a href="mailto:aquintero@cutlerbay-fl.gov">aquintero@cutlerbay-fl.gov</a>
Total FY2016 Project Cost: \$ 330,500	Total Project Cost, if multi-year project: \$ N/A
FY2016 Funding Request: \$ 165,250	Local Match: \$ 165,250
County: Miami-Dade	
Stormwater, Flood Control and Ecosystem Restoration Project Type: <input checked="" type="checkbox"/> Stormwater <input type="checkbox"/> Flood Control <input type="checkbox"/> Ecosystem Restoration	
Will this project reduce pollutant loadings to a District designated priority surface water body? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
If yes, indicate the water body: Tier 1: Biscayne Bay including the Cutler Wetlands	
Is this a multi-year project: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Are there any other agencies contributing funding to this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, please list agency and funding amount: The Town is providing match funding, and is actively searching for additional grant opportunities to fund this project.	
Is the Applicant a REDI Community? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### PROJECT SUMMARY

Provide information that describes the project and tasks that will be completed in FY2016 with requested funds, including how this project advances the District's Strategic Plan, and if applicable, the Big Cypress Basin's Strategic Plan. Please indicate if this project is included in a local government comprehensive plan, watershed management plan or some other adopted plan or study (e.g., is there a documented need for this project?). The Town of Cutler Bay is requesting \$165,250 for Capital Improvements that will improve stormwater management system and treat runoff pollutants in the Saga Bay 1.2 Sub-Basin. The project is located north of SW 198 Terrace, south of SW 196 Street, east of SW 81 Court and west of SW 78 Avenue. This sub-basin is part of the DA-4-4 Basin. The current drainage system in this sub-basin consists of isolated French Drains and Catch Basins. Roadside swales also provide some water quality pre-treatment and storage of roadway run-off. The existing drainage infrastructure in the Saga Bay 1.2 Sub-Basin does not discharge adequate runoff to meet the desired performance criteria adopted in the Town's Stormwater Master Plan. The capacity of the existing roadside swales and French Drains is not sufficient to discharge the volume of runoff and treat pollutants. As a result, this project has been identified in the Town's Stormwater Master Plan adopted via Resolution No. 08-50 on August 20, 2008.

## Grant application

- Grant awarded to the Town for \$165,000.
- Town contribution \$329,294.31 through the Stormwater Utility Fund.
- Total project cost: \$494,294.31

## Project #5

### Implement program to identify all catch basins located on private streets in gated communities

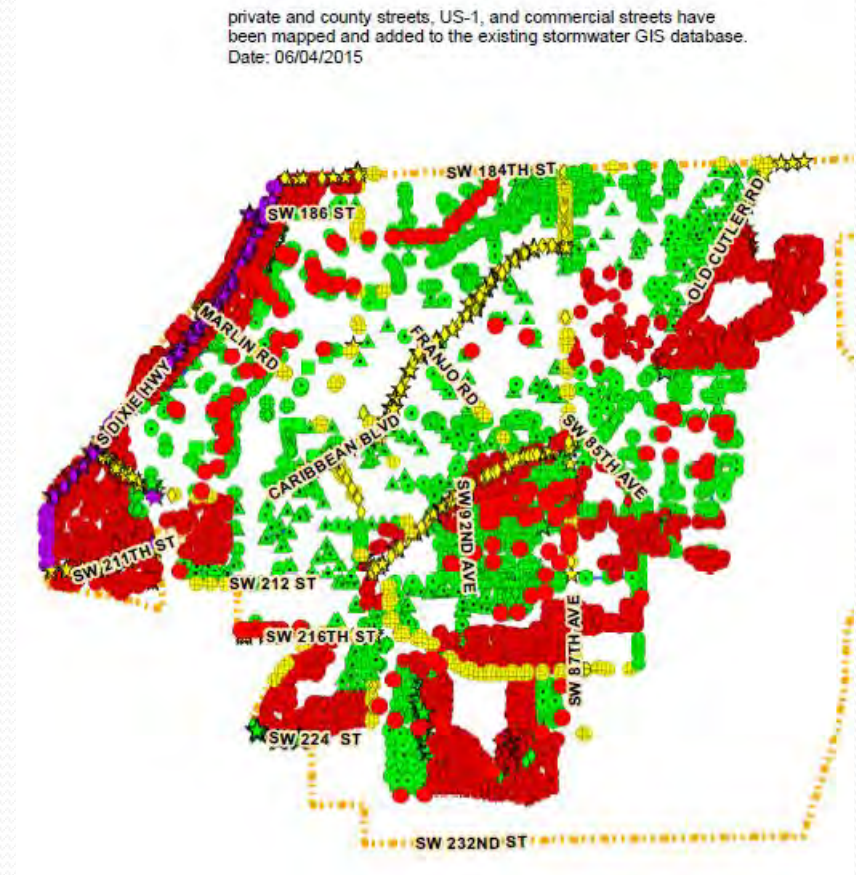
- ***Project Description:*** inventory all catch basins located on private streets, in gated communities and commercial properties, in order to develop a plan for maintenance.
- ***Project Benefits:*** Reduces potential losses to buildings on private streets which could be damaged from catch basins not draining properly.
- ***Status:*** Completed by Town's GIS consultant, 100% complete. The Town is in process of developing Ordinance to enforce cleaning of storm drains in private streets, gated communities and commercial properties.
- Part I: Completed.
- Part II: Town staff presented the need of propose Ordinance at the September 30, 2015 Town Council Workshop. The Town Council is in favor of the idea pending formal adoption of Ordinance at a future Town Council Meeting. **Ongoing as of December 4, 2018.**



## Project #5

Implement program to identify all catch basins located on private streets in gated communities

- PO # 00802 in the amount of \$11,800.
- Issued 12/5/14.
- Project 100% complete.
- Funding Source:  
Stormwater Utility Fund
- Identified and cataloged 3,039 additional private storm drain structures.



## Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches

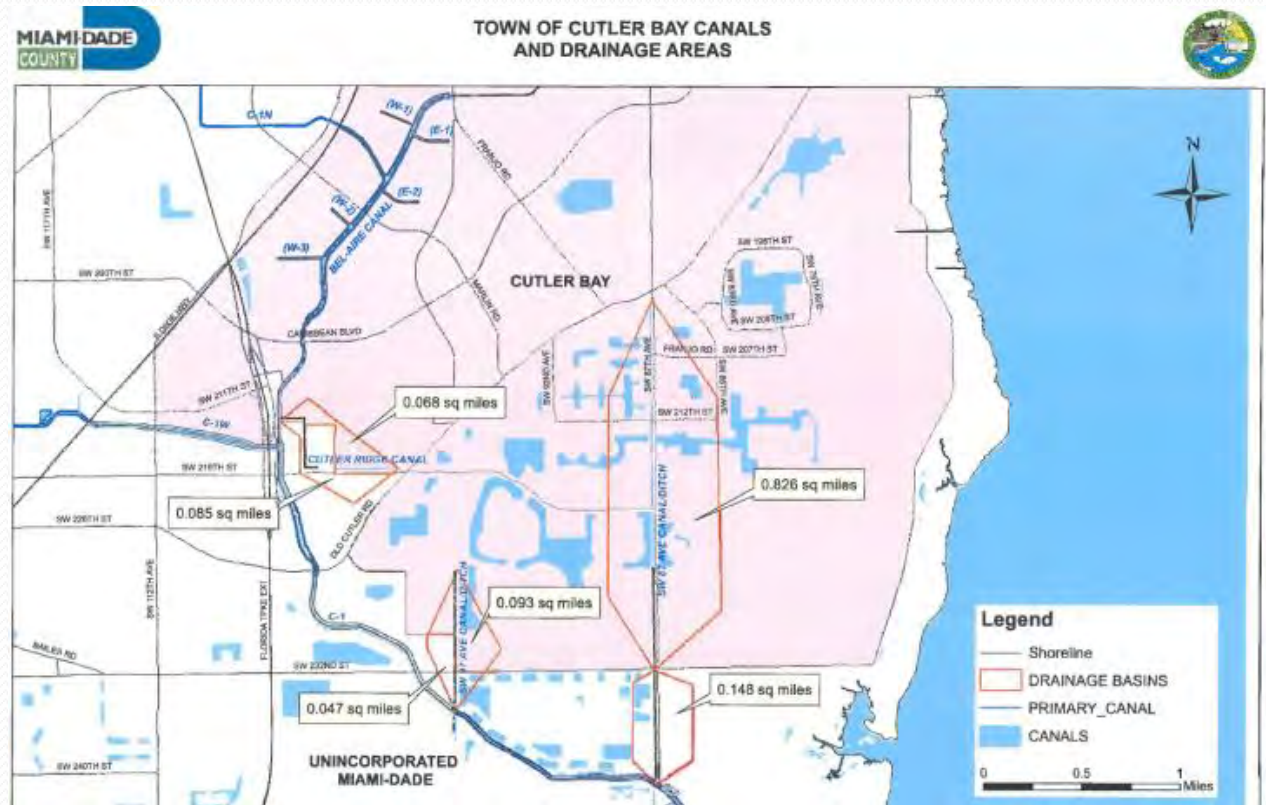
- ***Project Description:*** Maintain all surface water channels, canals and ditches in order to ensure the proper storage, disposal and water quality treatment of runoff.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from channel, canals and ditches not operating properly.
- ***Status:*** Interlocal Agreement with Miami-Dade County was executed October 1, 2012. On September 25, 2017, the Town renewed the Interlocal Agreement which will commence on October 1, 2017 and end on September 30, 2022. Project maintenance funding to be continued in the FY 17-18 Operating Budget. **Ongoing as of December 4, 2018.**

## Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches

### Maintenance cost per year

- FY 11-12: \$68,694
- FY 12-13: \$78,698
- FY 13-14: \$66,254
- FY 14-15: \$53,218
- FY 15-16: \$64,209
- FY 16-17: \$63,489
- FY 17-18: TBA
- Funding Source:  
Stormwater  
Utility Fund





## Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches





## Project #7 – Improve drainage along a flood prone Town street or neighborhood

### SW 212th Street Project 100% Completed

New Project: Improve drainage along Point Royal  
Section 5 on SW 100<sup>th</sup> Avenue between Broad Channel  
Drive and SW 186<sup>th</sup> Street

- **Project Description:** Upgrade the storm water infrastructure along SW 100<sup>th</sup> Avenue in order to ensure sufficient discharge and/or storm water runoff.
- **Project Benefits:** Reduces potential losses to buildings which could be damaged from storm water ponding and prevents hazardous driving conditions for residents.
- **Status:** The Notice to Proceed commencement date is July 16, 2018. Project is under construction.
- **Funding source(s):** The Town applied and won a TMDL Water Quality Restoration Grant for \$274,000. The Town requested additional funds and was approved an additional \$100,000 for the project, for a total of \$375,000.  
**Ongoing as of December 4, 2018.**

# Project #7 – Improve drainage along a flood prone Town street or neighborhood Improve drainage along SW 100<sup>th</sup> Avenue



## Project #7 – Improve drainage along a flood prone Town street or neighborhood

### Additional New Project: Improve roadway and drainage along Manta Drive between Marlin Road and Old Cutler Road

- ***Project Description:*** Upgrade the storm water infrastructure along Manta Drive in order to ensure sufficient discharge and/or storm water runoff, implement pedestrian sidewalk connectivity, and resurface the roadway throughout the corridor.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from storm water ponding and prevents hazardous driving conditions for residents, as well as improve the overall appearance of the corridor.
- ***Status:*** The Notice to Proceed commencement date is June 11, 2018. The Project has been completed on time and under budget.
- ***Funding source(s):*** The Town has been awarded \$344,260 from the 2016 Transportation Alternatives Program.

# Project #7 – Improve drainage along a flood prone Town street or neighborhood

## Improve drainage along Manta Drive

**TOWN OF CUTLER BAY  
MANTA DRIVE IMPROVEMENTS  
CUTLER BAY, FLORIDA**

MANTA DRIVE, FROM MARLIN ROAD TO OLD CUTLER ROAD

**INDEX OF SHEETS**

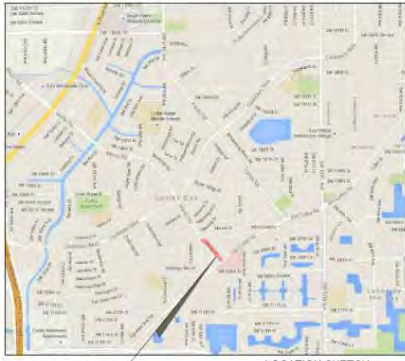
SHEET NO.	SHEET DESCRIPTION
C00	COVER SHEET
C1-C5	PLANS
C6	DETAILS & NOTES

THE SCALE OF THESE DRAWINGS MAY HAVE CHANGED  
DUE TO REPRODUCTION

**811** CALL BEFORE YOU DIG

The Contractor shall verify and be responsible for all dimensions, lot, and location information shown on these drawings. The Engineer shall not be responsible for any errors or omissions in the information provided by the owner or third parties. The Engineer shall not be responsible for any errors or omissions in the information provided by the owner or third parties.

DATE	REVISION	BY	CHKD



**PROJECT LOCATION**

**LOCATION SKETCH**  
SECTION 17, 18 & 19N, 35W, 36W, 37W, 38W, 39W, 40W, 41W, 42W, 43W, 44W, 45W, 46W, 47W, 48W, 49W, 50W, 51W, 52W, 53W, 54W, 55W, 56W, 57W, 58W, 59W, 60W, 61W, 62W, 63W, 64W, 65W, 66W, 67W, 68W, 69W, 70W, 71W, 72W, 73W, 74W, 75W, 76W, 77W, 78W, 79W, 80W, 81W, 82W, 83W, 84W, 85W, 86W, 87W, 88W, 89W, 90W, 91W, 92W, 93W, 94W, 95W, 96W, 97W, 98W, 99W, 100W, 101W, 102W, 103W, 104W, 105W, 106W, 107W, 108W, 109W, 110W, 111W, 112W, 113W, 114W, 115W, 116W, 117W, 118W, 119W, 120W, 121W, 122W, 123W, 124W, 125W, 126W, 127W, 128W, 129W, 130W, 131W, 132W, 133W, 134W, 135W, 136W, 137W, 138W, 139W, 140W, 141W, 142W, 143W, 144W, 145W, 146W, 147W, 148W, 149W, 150W, 151W, 152W, 153W, 154W, 155W, 156W, 157W, 158W, 159W, 160W, 161W, 162W, 163W, 164W, 165W, 166W, 167W, 168W, 169W, 170W, 171W, 172W, 173W, 174W, 175W, 176W, 177W, 178W, 179W, 180W, 181W, 182W, 183W, 184W, 185W, 186W, 187W, 188W, 189W, 190W, 191W, 192W, 193W, 194W, 195W, 196W, 197W, 198W, 199W, 200W, 201W, 202W, 203W, 204W, 205W, 206W, 207W, 208W, 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## Project #8

### Promote an Enviro-Scape model to elementary school students

- ***Project Description:*** Help elementary school students to better understand the sources of flooding and prevention of water pollution.
- ***Project Benefits:*** Educates children on how to avoid flood damage and the benefits of reduced storm water pollution.
- ***Status:*** The 2018 event took place at Bel-Aire Elementary School on May 15. Town staff will continue the public school education program for Fiscal Year 2018-2019 at Dr. Edward L. Whigham Elementary School.

## Project #8

Promote an Enviro-Scape model to elementary school students



- Earth Day/Arbor Day event at Bel-Aire Elementary May 15, 2018.
- Dr. Edward L. Whigham Elementary School has been selected by the Town for FY 18-19.

## Project #9

Work with local, state and federal partners to target repetitive loss properties for acquisition or elevation

- ***Project Description:*** Target repetitive loss properties for either acquisition or retrofitting to eliminate the potential for future flooding.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from future flood events.
- ***Status:*** Repetitive loss properties are targeted by outreach efforts through special events and/or direct mailers. Staff has completed training for FEMA IS-00279.a 'Introduction to Retrofitting Flood Prone Residential Buildings'. **Ongoing as of December 4, 2018.**

# Project #9

## FEMA IS-00279.a Introduction to Retrofitting Flood Prone Residential Buildings





## Project #9

# Work with Local, State and Federal partners to target repetitive loss properties for acquisition or elevation



### "Make Mitigation Happen" Workshop

Now is the time to take action. **Be Ready Florida** is coming to your community.

Your local community is hosting a "Make Mitigation Happen" workshop to provide information on ways to mitigate damage to your home from future disasters. Each workshop will provide homeowners with information on ways to make your home safer from windstorms that threaten Florida residents.

Information will be provided at the workshop on how to reduce insurance premiums for homeowner's windstorm coverage.

**Workshop Date / Time:** Monday, March 17, 2014 at 7:00 PM

**Workshop Location:** William B Dickinson Community Center  
1601 N Krome Ave  
Homestead, FL 33030

Don't miss out on this important workshop. Register today on [www.BeReadyFlorida.org](http://www.BeReadyFlorida.org).

You can make a difference in your community. Invite your friends and neighbors to attend the workshop, too. For more information, visit [www.BeReadyFlorida.org](http://www.BeReadyFlorida.org).

Join the conversation on Twitter @FLSERT



### **PUBLIC NOTICE** **Flood Insurance Repetitive Loss Property**

When our system of canals, ditches and culverts was built over 20 years ago, it could handle all but the largest tropical storms and hurricanes; since then, urban development within Miami-Dade County has increased, thus also increasing the amount of stormwater runoff. Now, heavy rains overload the system more often, resulting in more frequent floods in your area with an average heavy event every 3 to 4 years.

The Town of Cutler Bay is working diligently to improve the flood protection levels of service through our Capital Improvement Program funded by the Town's Stormwater Utility Fund. We are coordinating thru Miami-Dade County with other agencies such as the South Florida Water Management District and the United States Army Corps of Engineers to increase the storage and carrying capacity of floodwaters in the surrounding primary canal system.

#### What is the purpose of the NFIP and Floodplain Management?

The *National Flood Insurance Program (NFIP)* enables property owners in participating communities to purchase insurance against losses from flooding.

The NFIP is a federally supported program that assists communities and citizens who are devastated by disasters. The majority (76%) of federally declared disasters are flood related, as most Americans live within close proximity to sources of flooding (e.g., rivers, coasts, lakes, etc.).

The role of Floodplain Management is to:

- Assist communities in avoiding potential flood losses
- Plan a course of action for when flooding occurs
- Protect the integrity of floodplains from activities that compromise their natural functions

## Project #10

### Promote retrofitting techniques for flood-proofing of residential structures

- ***Project Description:*** Promote public outreach efforts where residents can help themselves to potentially eliminate damage from low level flooding to their structure by encouraging retrofitting techniques.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from all types of flooding.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. The Town continues to perform a yearly Town wide mail out. Staff has completed training for FEMA IS-00279.a 'Introduction to Retrofitting Flood Prone Residential Buildings'. **Ongoing as of December 4, 2018.**

# Project #10

## Promote retrofitting techniques for flood-proofing of residential structures



ARE YOU PREPARED FOR A FLOOD IN YOUR NEIGHBORHOOD? YOU ARE RECEIVING THIS BROCHURE BECAUSE YOUR PROPERTY IS LOCATED IN OR NEAR A FLOODPRONE AREA.

### Sources of Flooding in the Town of Cutler Bay, Florida

The Town of Cutler Bay is located in very close proximity to Biscayne Bay and the Atlantic Ocean. Flooding in the Town can be attributed to three sources: 1) tidal flooding and storm surge resulting from hurricanes and tropical storms; 2) flash flooding resulting from heavy rainfall that overburdens the drainage system within the Town; and 3) riverine flooding resulting from heavy and prolonged rainfall which causes the capacity of canals and stream channels to be exceeded. *Being prepared is your best defense against a flood.*

### Steps to Prepare for a Flood:

#### Step 1 - KNOW YOUR FLOOD HAZARD

Regulated floodplains are illustrated on inundation maps called Flood Insurance Rate Maps (FIRMs). It is the official map for a community on which FEMA has delineated both the Special Flood Hazard Areas (SFHAs) and the risk premium zones applicable to the community. SFHAs represent the areas subject to inundation by the 1-percent-annual chance flood event. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. FEMA FIRM maps are available for free public viewing online at [msc.fema.gov/portal](http://msc.fema.gov/portal). Also, upon request, the Public Works Department at (305) 234-4262, will make free flood zone determinations for properties located within the Town. It is critical to note that properties located outside of the SFHA are not guaranteed to be safe from flooding.

#### Step 2 - INSURE YOUR PROPERTY

Flooding is not covered by a standard homeowner's insurance policy. Flood insurance is available to homeowners, condo owners, commercial owners, and all renters. Renters are encouraged to purchase flood insurance for their contents. Note that there is a 30-day waiting period before coverage goes into effect. That means now is the best time to buy flood insurance. Contact your preferred insurance agency for more information. Additional information can be found online at [www.floodsmart.gov](http://www.floodsmart.gov) or by calling 1-888-379-9531.

The Town has been keeping Elevation Certificates on file for new construction and substantially improved buildings since 2006. To find out if your property is in a flood zone, to request the Elevation Certificate we may have on file, and for other flood protection information, please call the Town's Public Works Department at (305) 234-4262.

#### Step 3 - PROTECT YOURSELF AND YOUR FAMILY

- Should a storm threaten South Florida, the Town of Cutler Bay will update its website ([www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)) based on advisories from the Miami-Dade County Office of Emergency Management.
- Tune-in to local radio stations such as WIOD (610 AM) or WBGG (105.9 FM) and television channels 4, 7 and 10.
- All hazard NOAA Weather Radios (NWR) are available for purchase in local electronic retail or department stores and provide access to the NOAA Weather Radio System.
- If flooding threatens your home, turn off electricity at the main breaker.
- If you lose power, turn off all major appliances.
- Avoid low-lying areas. Seek shelter in the highest areas possible.
- Discuss your family emergency plan. Your family may not be together when disaster strikes, so it is important to know how you will contact one another, how you will get back together, and what you will do in case of emergency.
- Never attempt to drive through flooded roadways. Floodwaters can conceal damage underneath. As little as two feet of running water can carry away most vehicles including SUV's. **Turn Around, Don't Drown!**

#### Step 4 - PROTECT YOUR PROPERTY

Various methods may be used to minimize flooding. If the first finished floor elevation of your property is lower than the based flood elevation (BEF) established by FEMA, consider elevating your structure. If a flood is imminent, protect your property by sandbagging areas vulnerable to the entry of water. Valuables and furniture may also be moved to higher areas of the dwelling to minimize damages. The Town of Cutler Bay will make site visits to provide one-on-one advice to a property owner regarding flooding and drainage issues on private property. For more information, please contact the Public Works Department at (305) 234-4262.

#### Step 5 - BUILD RESPONSIBLY

The Town of Cutler Bay's floodplain management Ordinances 10-04, 09-06, and 06-10 include a rule that is known as the 44% rule. This rule states that if your structure is damaged or improved to an amount greater than 44% of the structure's market value, it will then have to comply with the current floodplain requirements. The Town's ordinance requires that all new construction and substantially improved buildings be built to a finished floor elevation of 1 foot above the BEF.

Before you begin any fill or construction, please contact the Town's Building Department, 10720 Caribbean Boulevard, Unit 110, at (305) 234-4193 for the appropriate permit application. If you see construction occurring without permits, please report this to the Town's Code Enforcement Department at (305) 234-4262.

### Town of Cutler Bay Flood Protection Brochure



#### Step 6 - PROTECT NATURAL FLOODPLAIN FUNCTIONS

Floodplains are a natural component of the Town's environment. Understanding and protecting the natural functions of floodplains helps reduce flood damage and protect resources. When flooding spreads out across the floodplain, its energy is dissipated, which results in lower flood flows downstream, reduced erosion of the streambank and channel, deposition of sediments higher in the watershed and improved groundwater recharge. Floodplains are scenic, valued wildlife habitat. Poorly planned development in floodplains can lead to streambank erosion, loss of valuable property, increased risk of flooding to downstream properties and degradation of water quality.

Did you know that it is illegal to throw anything - ANYTHING AT ALL! - into the lakes, canals, or other waters of the Town? Do you know that nothing but stormwater is allowed to go to the storm drains located in streets, rights-of-way, and parking lots? Dumping of materials into our waters or drains pollutes these waters, clogs our storm drains, and leads to flooding in our neighborhoods. For additional information or to report any illegal discharges, please contact the Town's Public Works Department at (305) 234-4262, or the Miami-Dade County Call Center at (305) 469-5900. The Public Works and Waste Management Department's permanent Home Chemical Collection Centers accept oil-based paints, pesticides, solvents, pool chemicals, unbroken fluorescent light bulbs (to include the older, long-tube fluorescents, modern compact fluorescent light bulbs (CFLs) and other fluorescent types) and other electronic waste. The South Dade Center is located at 23707 SW 97th AVE Gate-B. Hours of operation are 9 am to 5 pm Wednesday through Friday.

The centers also accept latex paints that are still in liquid form. However, it is recommended that new paints or latex paint that is still in good condition be donated to neighbors or community groups. If you have unusable or poor quality latex paint still in liquid form, dry out any remaining liquid with an absorbent material such as newspaper or kitty litter. Once the latex paint has been solidified, you can place the paint can in the regular household waste container for collection. Also, propane tanks such as those used for RV's, forklifts, or fixed kitchen gas supply are not accepted. The centers are available for non-commercial residents only.

#### Step 7 - HURRICANE PREPAREDNESS

If required, the Miami-Dade County Office of Emergency Management will order evacuations. If evacuations are called for, it is imperative that you follow instructions in the timeframe noted. The primary evacuation routes in Cutler Bay are US 1 and the Florida Turnpike.

Miami-Dade County will use radio and TV stations to broadcast emergency information. In addition, you can register for emergency notifications via the County's emergency notification system at [www.miamidade.gov/alerts](http://www.miamidade.gov/alerts).

If a hurricane evacuation is ordered, residents are encouraged to stay with family members or friends in an inland area. Hurricane Evacuation Centers will be opened, but the Centers should only be considered as a last resort. Emergency bus pick-up sites will be activated to provide public transportation to and from designated Hurricane Evacuation Centers. To learn more about designated shelter locations and bus pick-up points, go to [www.miamidade.gov/tire/evacuations.asp](http://www.miamidade.gov/tire/evacuations.asp).

#### Step 8 - GENERAL PREPAREDNESS

Inventory and photograph your home's contents and put important papers and insurance policies in a safe place. Keep an emergency supply including non-perishable food, water, batteries, flashlights, manual can opener, and a battery-operated radio. If possible, place the washer, dryer, furnace and water heater above potential flood waters. They should be placed on masonry blocks or concrete at least 12 inches above the projected flood elevation, moved to inside a floodwall or moved to a higher floor. All work must conform to state and local building codes.

Additional information is available online at [www.miamidade.gov/hurricane/](http://www.miamidade.gov/hurricane/) and [www.nhc.noaa.gov/prepare/ready.php](http://www.nhc.noaa.gov/prepare/ready.php).

#### Step 9 - BE AWARE OF OTHER HAZARDS

As a Town resident you need to be aware of other hazards that could impact your property, one of which can be sinkholes. If you witness any sinkholes occurring in Town streets or on Town-owned property, please contact the Public Works Department at (305) 234-4262 or email your concerns to [Aquilino@Cutlerbay-fl.gov](mailto:Aquilino@Cutlerbay-fl.gov). Sinkholes can be a dangerous hazard for traffic and residents. Although the Town is not authorized to fix sinkholes on private property, we can try to assist home and business owners with options they can use to resolve this issue.

#### Step 10 - FLOOD EDUCATION

Teach school children about flooding and the benefits of reduced stormwater pollution through an Enviro-Scape model ([www.enviroscape.com](http://www.enviroscape.com)) or similar education tool. Contact the Public Works Department at (305) 234-4262 for additional information.

For more information about Flood safety, Flood Response, NFIP, and Hurricane Preparedness, contact the following:

[www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)  
[www.miamidade.gov/emergency](http://www.miamidade.gov/emergency)  
[www.floridadisaster.org](http://www.floridadisaster.org)  
[www.floodsmart.gov](http://www.floodsmart.gov)  
[www.ready.gov/floods](http://www.ready.gov/floods)  
1-888-379-9531





## Project #10

### Promote retrofitting techniques for flood-proofing of residential structures

- HOA Meetings
- Town Events
- Schools
- Mailers
- Website
- Email Blasts
- Door Hangers



## Project #11

### Develop local Ordinance to require landscapers to register with the Town

- ***Project Description:*** The Town wants to make sure area landscape businesses don't create flooding conditions by blowing grass and leaves toward or into catch basins. The Town wants to license landscape businesses to ensure when working in the Town they are fully aware of the requirement not to put debris into the catch basins.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from local storm water flooding.
- ***Status:*** The Town has developed an educational bilingual brochure to further educate landscaping contractors.

Ongoing as of December 4, 2018.

## Project #11

# Develop local Ordinance to require landscapers to register with the Town

- English and Spanish educational brochure to further educate landscaping contractors

**TOWN OF  
CUTLER BAY**

**Protecting Our Stormwater**  
For Landscape and Maintenance Crews

Stormwater runoff is water from rainfall that runs off of roofs, lawns, streets, parking lots, and other surfaces, that does not infiltrate into the ground, picking up pollutants that can adversely affect water quality. Yard waste is no exception. In addition to creating stormwater pollution, improper disposal of yard waste can clog our storm drains and lead to flooding.

Proper yard waste disposal is required by Town Ordinance. Cutler Bay Municipal Code prohibits the discharge of anything other than stormwater, allowable non-stormwater, and pollutants for which an NPDES permit has been issued, to enter the Town's storm sewer system. Discharge of anything other than stormwater and permitted discharges is a violation of Cutler Bay Resolution No. 07-19 and is considered an illicit discharge.

**Key Tips for Reducing Pollutants:**

- Avoid excess fertilizer or pesticide use, especially before rain is predicted. Keep fertilizer and pesticide off paved surfaces.
- Aim your mower away from paved areas. Use a leaf blower or broom to move clippings into the yard, NOT into the street.
- Sweep up dirt, grass clippings, and other yard waste instead of washing them into the storm drain.
- Do not stockpile soil, mulch, or other bulk materials on paved surfaces during landscaping projects.
- Maintain plant cover on slopes to stabilize the soil.
- Seed bare areas in lawns and mulch bare garden soil.
- Prevent soil erosion during renovation and landscaping by using mulch or a cover crop.
- Do not pile leaves or other yard waste near drainage channels where they can blow or wash into the channel.



**For additional information, contact the Town of Cutler Bay Public Works Department:**

10720 Caribbean Boulevard, Suite 110 ♦ Cutler Bay, FL 33189 ♦ 305-234-4262 ♦ [www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)

**TOWN OF  
CUTLER BAY**

**Protegiendo Nuestras Aguas Pluviales**  
Para Tripulaciones de Jardinería y Mantenimiento

Las aguas pluviales son agua de lluvia que corre en azoteas, jardines, calles, estacionamientos y demás superficies, que no infiltra en el suelo, recogiendo los contaminantes que pueden afectar la calidad del agua. Basura del patio no es la excepción. Además de crear contaminación de aguas pluviales, la eliminación inadecuada de desechos de patio puede obstruir los drenajes y conducir a inundaciones.

Desear los desperdicios del patio apropiadamente es requerido por ordenanza de la ciudad. El Código Municipal de Cutler Bay prohíbe la descarga de cualquier cosa que no sean aguas pluviales, aguas no pluviales permitidas y contaminantes que tengan un permiso aprobado por NPDES, para entrar en sistema de alcantarillado de la ciudad. Descarga de cualquier otra cosa que no sea agua de lluvia y vertidos permitidos es una violación de Cutler Bay Resolución Nº 07-19 y es considerado una descarga ilícita.

**Consejos claves para la Reducción de Contaminantes:**

- Evitar el uso excesivo de fertilizantes o pesticidas, especialmente antes de que haya pronóstico de lluvia. Mantenga los fertilizantes y pesticidas fuera de las superficies pavimentadas.
- Apunte su podadora fuera de áreas pavimentadas. Utilice un soplador de hojas o la escoba para mover recortes hacia el patio, no en la calle.
- Barrer suciedad, hierba cortada y otros desechos de jardín en lugar de llevarlos sobre el drenaje de las tormentas.
- No acumule tierra, mantillo u otros materiales en bulto sobre las superficies pavimentadas durante los proyectos de jardinería.
- Mantener la cobertura vegetal en las cuestas para estabilizar el suelo. Siembre en áreas de césped que estén descubiertas, y ponga mantillo en áreas de tierra que estén descubiertas en el jardín.
- Prevenga la erosión del suelo durante renovaciones y jardinería utilizando mantillo o una cobertura de cultivo.
- No amontone hojas ni otros residuos de jardinería cerca de canales de drenaje donde pueden terminar en los canales.



**Para información adicional, contacte el Departamento de Obras Públicas de la Ciudad de Cutler Bay**

10720 Caribbean Boulevard, Suite 110 ♦ Cutler Bay, FL 33189 ♦ 305-234-4262 ♦ [www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)



## Project #12

Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS

- ***Project Description:*** Work with the Miami-Dade County Association of Realtors to provide flood zone information in the Multiple Listing Service (MLS) to better inform residents as to whether a property is in a flood zone.
- ***Project Benefits:*** Upfront knowledge of the risk to the property.
- ***Status:*** The Town currently has a “sample” Flood Hazard and Mandatory Purchase Disclosure form, which is given to real estate agents upon request. Pending update from committee member. Town has contacted Luis Badillo to schedule a meeting with new Board of Directors. **Ongoing as of December 4, 2018.**

# Project #12

## Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS



**ARE YOU PREPARED FOR A FLOOD IN YOUR NEIGHBORHOOD? YOU ARE RECEIVING THIS BROCHURE BECAUSE YOUR PROPERTY IS LOCATED IN OR NEAR A FLOODPRONE AREA.**

### Sources of Flooding in the Town of Cutler Bay, Florida

The Town of Cutler Bay is located in very close proximity to Biscayne Bay and the Atlantic Ocean. Flooding in the Town can be attributed to three sources: 1) tidal flooding and storm surge resulting from hurricanes and tropical storms; 2) flash flooding resulting from heavy rainfall that overburdens the drainage system within the Town; and 3) riverine flooding resulting from heavy and prolonged rainfall which causes the capacity of canals and stream channels to be exceeded. *Being prepared is your best defense against a flood.*

### Steps to Prepare for a Flood:

#### Step 1 - KNOW YOUR FLOOD HAZARD

Regulated floodplains are illustrated on inundation maps called Flood Insurance Rate Maps (FIRMs). It is the official map for a community on which FEMA has delineated both the Special Flood Hazard Areas (SFHAs) and the risk premium zones applicable to the community. SFHAs represent the areas subject to inundation by the 1-percent-annual chance flood event. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. FEMA FIRM maps are available for free public viewing online at [msc.fema.gov/portal](http://msc.fema.gov/portal). Also, upon request, the Public Works Department at (305) 234-4262, will make free flood zone determinations for properties located within the Town. It is critical to note that properties located outside of the SFHA are not guaranteed to be safe from flooding.

#### Step 2 - INSURE YOUR PROPERTY

Flooding is not covered by a standard homeowner's insurance policy. Flood insurance is available to homeowners, condo owners, commercial owners, and all renters. Renters are encouraged to purchase flood insurance for their contents. Note that there is a 30-day waiting period before coverage goes into effect. That means now is the best time to buy flood insurance. Contact your preferred insurance agency for more information. Additional information can be found online at [www.floodsmart.gov](http://www.floodsmart.gov) or by calling 1-888-379-9531.

The Town has been keeping Elevation Certificates on file for new construction and substantially improved buildings since 2006. To find out if your property is in a flood zone, to request the Elevation Certificate we may have on file, and for other flood protection information, please call the Town's Public Works Department at (305) 234-4262.

#### Step 3 - PROTECT YOURSELF AND YOUR FAMILY

- Should a storm threaten South Florida, the Town of Cutler Bay will update its website ([www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)) based on advisories from the Miami-Dade County Office of Emergency Management.
- Tune-in to local radio stations such as WIOD (610 AM) or WBGG (105.9 FM) and television channels 4, 7 and 10.
- All hazard NOAA Weather Radios (NWR) are available for purchase in local electronic retail or department stores and provide access to the NOAA Weather Radio System.
- If flooding threatens your home, turn off electricity at the main breaker.
- If you lose power, turn off all major appliances.
- Avoid low-lying areas. Seek shelter in the highest areas possible.
- Discuss your family emergency plan. Your family may not be together when disaster strikes, so it is important to know how you will contact one another, how you will get back together, and what you will do in case of emergency.
- Never attempt to drive through flooded roadways. Floodwaters can conceal damage underneath. As little as two feet of running water can carry away most vehicles including SUV's. **Turn Around, Don't Drown!**

#### Step 4 - PROTECT YOUR PROPERTY

Various methods may be used to minimize flooding. If the first finished floor elevation of your property is lower than the based flood elevation (BFE) established by FEMA, consider elevating your structure. If a flood is imminent, protect your property by sandbagging areas vulnerable to the entry of water. Valuables and furniture may also be moved to higher areas of the dwelling to minimize damages. The Town of Cutler Bay will make site visits to provide one-on-one advice to a property owner regarding flooding and drainage issues on private property. For more information, please contact the Public Works Department at (305) 234-4262.

#### Step 5 - BUILD RESPONSIBLY

The Town of Cutler Bay's floodplain management Ordinances 10-04, 09-06, and 06-10 include a rule that is known as the 44% rule. This rule states that if your structure is damaged or improved to an amount greater than 44% of the structure's market value, it will then have to comply with the current floodplain requirements. The Town's ordinance requires that all new construction and substantially improved buildings be built to a finished floor elevation of 1 foot above the BFE.

Before you begin any fill or construction, please contact the Town's Building Department, 10720 Caribbean Boulevard, Suite 110, at (305) 234-4193 for the appropriate permit application. If you see construction occurring without permits, please report this to the Town's Code Enforcement Department at (305) 234-4262.

### Town of Cutler Bay Flood Protection Brochure



#### Step 6 - PROTECT NATURAL FLOODPLAIN FUNCTIONS

Floodplains are a natural component of the Town's environment. Understanding and protecting the natural functions of floodplains helps reduce flood damage and protect resources. When flooding spreads out across the floodplain, its energy is dissipated, which results in lower flood flows downstream, reduced erosion of the streambank and channel, deposition of sediments higher in the watershed and improved groundwater recharge. Floodplains are scenic, valued wildlife habitat. Poorly planned development in floodplains can lead to streambank erosion, loss of valuable property, increased risk of flooding to downstream properties and degradation of water quality.

Did you know that it is illegal to throw anything- ANYTHING AT ALL! - into the lakes, canals, or other waters of the Town? Do you know that nothing but stormwater is allowed to go to the storm drains located in streets, rights-of-way, and parking lots? Dumping of materials into our waters or drains pollutes those waters, clogs our storm drains, and leads to flooding in our neighborhoods. For additional information or to report any illegal discharges, please contact the Town's Public Works Department at (305) 234-4262, or the Miami-Dade County Call Center at (305) 469-5900. The Public Works and Waste Management Department's permanent Home Chemical Collection Centers accept oil-based paints, pesticides, solvents, pool chemicals, unbroken fluorescent light bulbs (to include the older, long-tube fluorescents, modern compact fluorescent light bulbs [CFLs] and other fluorescent types) and other electronic waste. The South Dade Center is located at 23707 SW 97th AVE Gate-B. Hours of operation are 9 am to 5 pm Wednesday through Friday.

The centers also accept latex paints that are still in liquid form. However, it is recommended that new paints or latex paint that is still in good condition be donated to neighbors or community groups. If you have unusable or poor quality latex paint still in liquid form, dry out any remaining liquid with an absorbent material such as newspaper or kitty litter. Once the latex paint has been solidified, you can place the paint can in the regular household waste container for collection. Also, propane tanks can be disposed of at one of the two Home Chemical Collection Centers. You can also dispose of empty oxygen tanks. Larger tanks such as those used for RV's, forklifts, or fixed kitchen gas supply are not accepted. The centers are available for non-commercial residents only.

#### Step 7 - HURRICANE PREPAREDNESS

If required, the Miami-Dade County Office of Emergency Management will order evacuations. If evacuations are called for, it is imperative that you follow instructions in the timeframe noted. The primary evacuation routes in Cutler Bay are US 1 and the Florida Turn Pike.

Miami-Dade County will use radio and TV stations to broadcast emergency information. In addition, you can register for emergency notifications via the County's emergency notification system at [www.miamidade.gov/alerts](http://www.miamidade.gov/alerts).

If a hurricane evacuation is ordered, residents are encouraged to stay with family members or friends in an inland area. Hurricane Evacuation Centers will be opened, but the Centers should only be considered as a last resort. Emergency bus pick-up sites will be activated to provide public transportation to and from designated Hurricane Evacuation Centers. To learn more about designated shelter locations and bus pick-up points, go to [www.miamidade.gov/fire/evacuations.asp](http://www.miamidade.gov/fire/evacuations.asp).

#### Step 8 - GENERAL PREPAREDNESS

Inventory and photograph your home's contents and put important papers and insurance policies in a safe place.

Keep an emergency supply including non-perishable food, water, batteries, flashlights, manual can opener, and a battery-operated radio.

If possible, place the washer, dryer, furnace and water heater above potential flood waters. They should be placed on masonry blocks or concrete at least 12 inches above the projected flood elevation, moved to inside a floodwall or moved to a higher floor. All work must conform to state and local building codes.

Additional information is available online at [www.miamidade.gov/hurricane/](http://www.miamidade.gov/hurricane/) and [www.nhc.noaa.gov/prepare/ready.php](http://www.nhc.noaa.gov/prepare/ready.php).

#### Step 9 - BE AWARE OF OTHER HAZARDS

As a Town resident you need to be aware of other hazards that could impact your property, one of which can be sinkholes. If you witness any sinkholes occurring in Town streets or on Town-owned property, please contact the Public Works Department at (305) 234-4262 or email your concerns to [AQuintero@Cutlerbay-fl.gov](mailto:AQuintero@Cutlerbay-fl.gov). Sinkholes can be a dangerous hazard for traffic and residents. Although the Town is not authorized to fix sinkholes on private property, we can try to assist home and business owners with options they can use to resolve this issue.

#### Step 10 - FLOOD EDUCATION

Teach school children about flooding and the benefits of reduced stormwater pollution through an Enviro-Scape model ([www.enviroscapes.com](http://www.enviroscapes.com)) or similar education tool. Contact the Public Works Department at (305) 234-4262 for additional information.

For more information about Flood safety, Flood Response, NFIP, and Hurricane Preparedness, contact the following:

[www.cutlerbay-fl.gov](http://www.cutlerbay-fl.gov)  
[www.miamidade.gov/emergency](http://www.miamidade.gov/emergency)  
[www.floridadaster.org](http://www.floridadaster.org)  
[www.floodsmart.gov](http://www.floodsmart.gov)  
[www.ready.gov/floods](http://www.ready.gov/floods)  
1-888-379-9531



## Project #12

# Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS

- Excerpt from the Town's Flood Protection Brochure:
  - Flood Disclosure - Did you know that it is a requirement in the Town of Cutler Bay that, if their property is in a flood zone, sellers of improved real estate have to disclose the flood hazard to buyers? To review a copy of the flood disclosure form that is recommended for use by real estate agents, please contact the Town's Public Works Floodplain Management Program, at 305-234-4262.

### FLOOD HAZARD AND MANDATORY PURCHASE DISCLOSURE

Date: \_\_\_\_\_

Reference

Be advised, the property located at \_\_\_\_\_ has been identified as being in a Special Flood Hazard Area (SFHA), also known as a flood zone. The flood zone designation for the above property is \_\_\_\_\_.

This Disclosure form is intended to notify all parties interested in or purchasing improved properties in the SFHA of the following:

- 1 The federal Mandatory Purchase Act requires the purchase of flood insurance for all properties in the SFHA that are used as collateral for a federally-regulated loan.
- 2 If the structure on this property sustains substantial damage or improvement, as defined by the local community, it may be required to be elevated to the current FIRM elevation, and/or current requirements for that community.

#### Sec. 11C-17. Of the Code of Miami-Dade County: Required disclosure in contracts for sale of real estate.

(b) In any contract for the sale of improved real estate located in unincorporated Metropolitan Miami-Dade County which is in a Special Flood Hazard Area, the seller shall include in the contract or a rider to the contract the following disclosure in not less than ten-point bold faced type:

THIS HOME OR STRUCTURE IS LOCATED IN A SPECIAL FLOOD HAZARD AREA. IF THIS HOME OR STRUCTURE IS BELOW THE APPLICABLE FLOOD ELEVATION LEVEL AND IS SUBSTANTIALLY DAMAGED OR SUBSTANTIALLY IMPROVED, AS DEFINED IN CHAPTER 11C OF THE METROPOLITAN MIAMI-DADE COUNTY CODE, IT MAY, AMONG OTHER THINGS, BE REQUIRED TO BE RAISED TO THE APPLICABLE FLOOD ELEVATION LEVEL.

(Ord. No. 93-21, § 1, 3-30-93)

I hereby stipulate that this disclosure was provided to me as part of the sale of or interest in the property described above.

Signed: \_\_\_\_\_  
Buyer

Signed: \_\_\_\_\_  
Seller

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## Project #13

### Promote the purchase of flood insurance to residents and businesses

- ***Project Description:*** Increase the Town's flood insurance policy base to ensure that residents are adequately protected from flood damage. The Town's outreach program can increase the messaging in a number of ways to encourage the purchase of flood insurance including working with local insurance agents.
- ***Project Benefits:*** Public outreach and awareness that flood insurance is a homeowner's first line of defense against flood damage.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. Fiscal Year 2017-18 new outreach will include targeted mailers to home owners in the SFHA, all Town realtors, lenders, and insurance brokers. **Ongoing as of December 4, 2018.**

## Project #13

# Promote the purchase of flood insurance to residents and businesses

- Residents receive the adjacent brochures at all Town special events, as well as through door hangers.
- Events include:
  - Chili Cook-off
  - Founder's Day
  - PSA at Movie Nights
  - Bike-B-Que
  - Tour de Parks
  - Wings by the Bay
  - Tri-City Hurricane Preparedness Workshop
  - HOA Meetings
  - The Big Sting: Mosquitoes in South Florida
  - Mosquito 101 Workshop



National Flood Insurance Program

The Benefits of  
Flood Insurance  
Versus Disaster Assistance



## Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- ***Project Description:*** Preserve the Cutler Wetlands as a natural area on the east side of Cutler Bay to protect homes against storm surge and sea-level rise. Additionally, the wetland areas serve as a natural habitat for certain species of plant and animals which should also be protected.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from storm surge and sea-level rise.
- ***Status:*** Under CRS Activity 420, the Town continues to preserve its open space in the floodplain. The Town is currently part of the Comprehensive Everglades Restoration Plan (CERP). State Legislative Item # 2018-02 Cutler Bay Wetland Observation Pavilion (SW 97<sup>th</sup> Avenue) are currently being proposed as recreational additions to the floodplain. **Ongoing as of December 4, 2018.**



## Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- Excerpt from the Town's Flood Protection Brochure :
  - Flood plains in our Town serve a beneficial purpose to our quality of life. These low areas are where rainfall goes to drain, and when the rainfall drains into the ground, this helps reduce flooding, and recharges our drinking water supply. Some examples of floodplains in Cutler Bay are the areas south of Lakes by the Bay community and the entire eastern border of the Town from SW 184 Street to SW 232 Street. These floodplains also serve as filters of storm water runoff as it seeps through the ground and into our aquifer. This aquifer is our only source of drinking water, and this filtering helps contain pollution before it reaches our aquifer. It is important that we appreciate our floodplains, and try to maintain, preserve, and keep these areas clean whenever possible.

## Project # 14

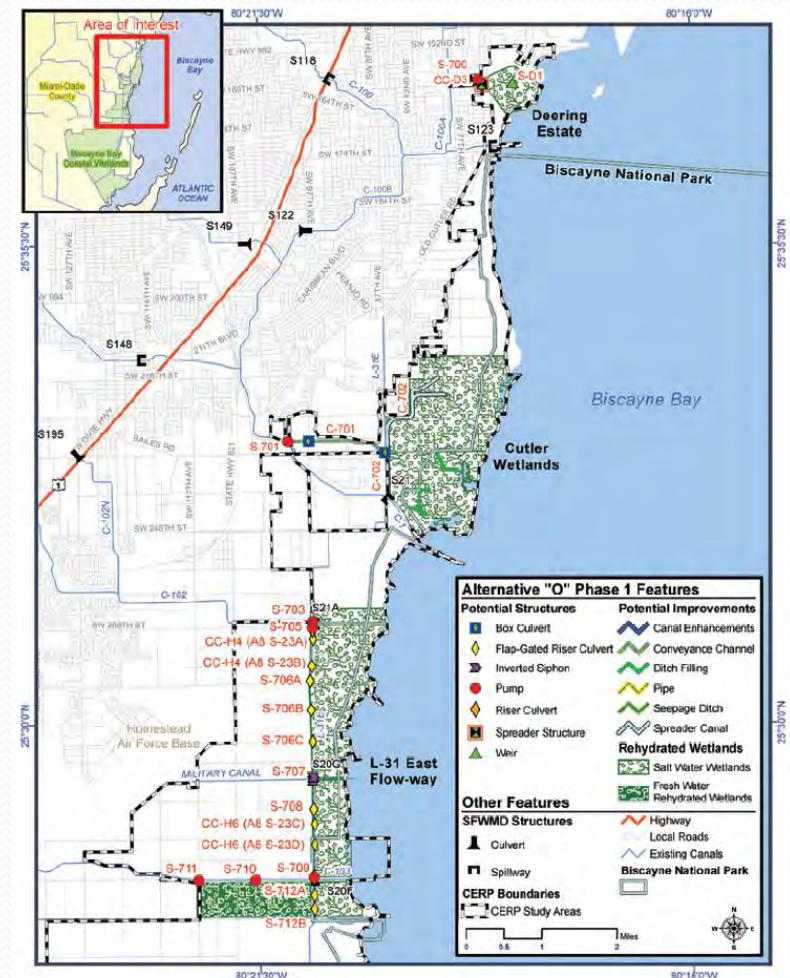
### Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- As per the Town's Land Development Regulations Section 3-63:
  - The Conservation District is composed of environmentally sensitive areas. It is intended to preserve and protect open spaces, park lands, wilderness areas, marshlands, watersheds and water recharge areas, scenic areas, beaches, and native flora and fauna. It is also intended to preserve areas for residents and visitors to view wildlife in their natural habitat as a passive recreational opportunity.
    - (1) *Permitted Uses*.
      - (a) Elevated Walkway [with railing]
      - (b) Undeveloped Passive Park and Open Space
      - (c) Scenic Viewing Tower
      - (d) Recreational Facility (be limited to trail, interpretive centers, viewing areas and other recreation uses deemed to be of low intensity)
    - (2) *Site Development Standards*: as approved by Town Council.

## Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- Comprehensive Everglades Restoration Plan (CERP) Map.
- Conservation Area Acreage: 1,266





## Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD



## Project #15

### Increase awareness of the flood hazard through development of a program for public information

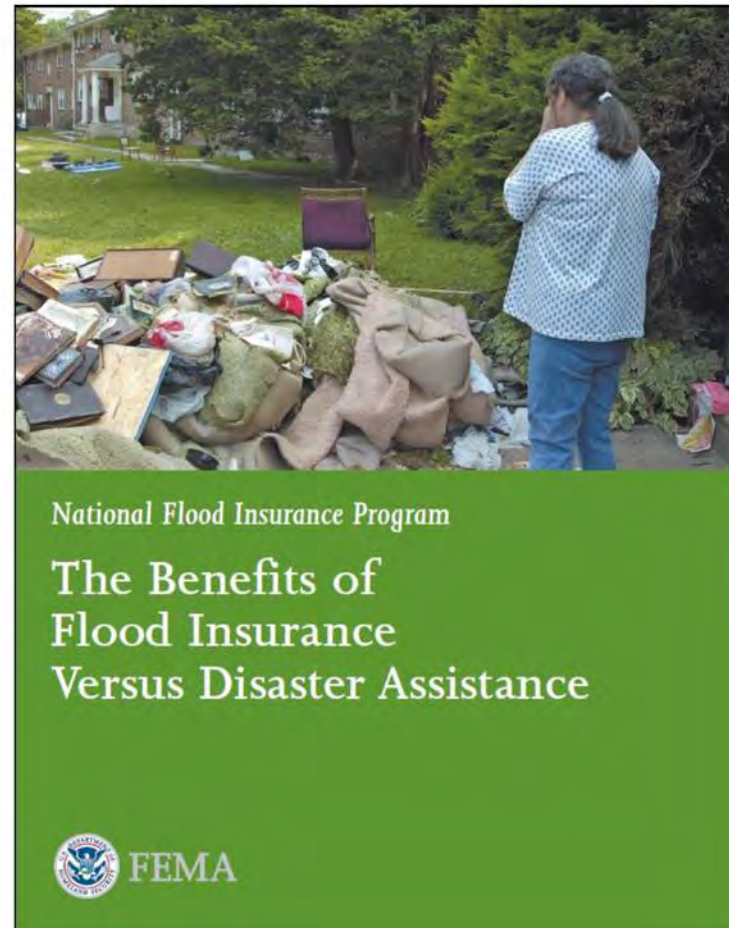
- ***Project Description:*** Increase outreach efforts by determining which types of messages, target audiences and target areas should be focused upon in an overall outreach strategy to better inform the public of flood risks and flood response efforts.
- ***Project Benefits:*** Better informed public can result in better protection to buildings.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. Program for Public Information (PPI) has been adopted via Resolution No. 16-32 on May 18, 2016. **Ongoing as of December 4, 2018.**



## Project #15

# Increase awareness of the flood hazard through development of a program for public information

- Residents receive the adjacent brochures at all Town special events, as well as through door hangers.
- Events include:
  - Chili Cook-off
  - Founder's Day
  - PSA at Movie Nights
  - Bike-B-Que
  - Tour de Parks
  - Wings by the Bay
  - Tri-City Hurricane Preparedness Workshop
  - HOA Meetings
  - The Big Sting: Mosquitoes in South Florida
  - Mosquito 101 Workshop





# Project #15

## Increase awareness of the flood hazard through development of a program for public information

### RESOLUTION 16-32

**A RESOLUTION OF THE MAYOR AND TOWN COUNCIL OF THE TOWN OF CUTLER BAY, FLORIDA, RELATING TO THE ADOPTION OF THE TOWN FLOODPLAIN MANAGEMENT PROGRAM FOR PUBLIC INFORMATION; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the Town of Cutler Bay (the "Town") is vulnerable to hurricane and other flood hazards that can cause loss of life and damages to public and private property; and

**WHEREAS**, the Town has been an active participant in FEMA's National Flood Insurance Program's (NFIP) Community Rating System (CRS) Program, which encourages communities to voluntarily implement standards, policies, and programs that go above and beyond the minimum NFIP regulations in return for lower flood insurance premiums; and

**WHEREAS**, the Town's participation and documented activities in FEMA's CRS Program has earned the Town a current classification rating of six (6), which results in an annual savings of twenty percent (20%) to all property owners who purchase flood insurance policies; and

**WHEREAS**, on July 17, 2013, the Town established a Floodplain Mitigation Plan Advisory Committee via Resolution No. 13-56 to assist the Town in the development and implementation of the Town's Flood Mitigation Plan; and

**WHEREAS**, on May 20, 2015, the Town Council adopted the revised Flood Mitigation Plan via Resolution No. 15-27 with the added goal of lowering the Town's overall CRS classification rating to five (5) which will result in a twenty-five percent (25%) savings on all flood insurance premiums purchased within the Town; and

**WHEREAS**, it is the intent of the Town Council to protect its citizens and property from the effects of hurricanes, other flooding events, and to protect the natural floodplain functions by preparing and maintaining a comprehensive Town Floodplain Management Program for Public Information (the "PPI") under Activity 330 of the CRS manual; and

**WHEREAS**, the Town's Floodplain Mitigation Plan Advisory Committee with the guidance of both Town staff and the Town's professional consultant (AMEC Environmental and Infrastructure, Inc.) have coordinated with FEMA's CRS Program representative to develop a PPI manual in accordance with the CRS credit criteria to further inform property owners of the flood and other hazards within the Town; and

**WHEREAS**, the Town Council finds that the adoption of the Town-Wide Program for Public Information is in the best interest of the health, safety and welfare of the residents of the Town.



## Project #16

### Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- ***Project Description:*** Inventory and identify vulnerable populations within the Town to ensure that the elderly and those who are disabled are recognized by first responders. This is so their locations are established so that the emergency management officials understand where these populations reside in case evacuations become necessary.
- ***Project Benefits:*** Avoid possible loss of life.
- ***Status:*** The Town of Cutler Bay is currently in compliance with all requirements of Miami-Dade County Emergency Management. Project maintenance to be funded in FY 17-18 Operating Budget. **Ongoing as of December 4, 2018.** Miami-Dade County has received a response from the State, the Flood Warning Plan has been approved. This activity has earned the Town an additional 269 points.

## Project #16

### Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- Emergency Assistance Program Evacuation list.
- 105 Town residents registered on the Emergency Evacuation Assistance Program.

**MIAMI-DADE COUNTY**  
EMERGENCY MANAGEMENT  
& HOMELAND SECURITY

**EMERGENCY EVACUATION ASSISTANCE PROGRAM**  
Report from Query:PSN Registrants

Municipality = CUTLER BAY AND Active Status = 1

Date: 7/20/2011 : 4:37:20PM

ID	Last Name	First Name	Address	Phone No.	Tran Type	Location
16385	SMITH	NANCY	19660 SW 81 CT MIAMI-33189	(305) 255-7577	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
16910	FARFAN	JOSE	21176 PERMIT LN MIAMI-33189	(305) 969-9541	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
17659	VIRSIDA	PILAR	9076 SW 215 TERR CORAL GABLES-33189	(305) 255-2104	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
17788	FEFFE	LILIA	9771 SW 220 ST CUTLER BAY-33190	(305) 238-8525	PRIVATE TRANSPORTATION	SN71
18019	SALAZAR	AMADO	9421 EASTER RD CUTLER BAY-33157	(305) 251-9722	STANDARD TRANSPORTATION	SN71
18364	AGURTO	SERGIO	21215 SW 85 AVE -308 CUTLER BAY-33189	(305) 259-6082	STANDARD TRANSPORTATION	SN71
18827	HOLLER	KAYLEE	9320 MARTINIQUE DR CUTLER BAY-33189	(305) 951-9818	PRIVATE TRANSPORTATION	MM09
19288	WIGGER	LEE	9891 SW 221 TERRACE MIAMI-33190	(305) 254-5489	PRIVATE TRANSPORTATION	MM21
19730	VAZQUEZ	MIRTA	8160 SW 210 ST -107 Miami-33189	(305) 258-0772	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
19898	ANDERSON	DAVID	19218 SW 92ND RD CUTLER BAY-33157	(305) 252-7905	STANDARD TRANSPORTATION	SN71
20273	GREENE	ROBERT	10380 SW 200 TERR MIAMI-33189	(305) 378-4136	AMBULANCE (BLS)	MM29
30381	MAS	MICHELLE	8057 SW 185 STREET CUTLER BAY-33157	(305) 253-8192	LIFT GATE VEHICLE (WHEELCHAIR)	MM09
30687	ALVAREZ	ISSAC	11120 SW 166 ST -B104 CUTLER BAY-33157	(305) 213-7537	PRIVATE TRANSPORTATION	MM09
30913	HASNI	NASEEM	9001 SW 156 TERR CUTLER BAY-33157	(305) 235-4595	AMBULANCE (ALS)	MM09
30962	WALKER	KENNETH	19930 CUTLER COURT CUTLER BAY-33189	(305) 253-1833	PRIVATE TRANSPORTATION	SN71
30964	SANTAMARIA	SARA	21215 SW 85 AVENUE -420 CUTLER BAY-33189	(305) 254-8977	STANDARD TRANSPORTATION	SN71
31044	LASHLEY	STANLEY	18867 SW 85 CT -1 CUTLER BAY-33157	(305) 228-4073	STANDARD TRANSPORTATION	SN71

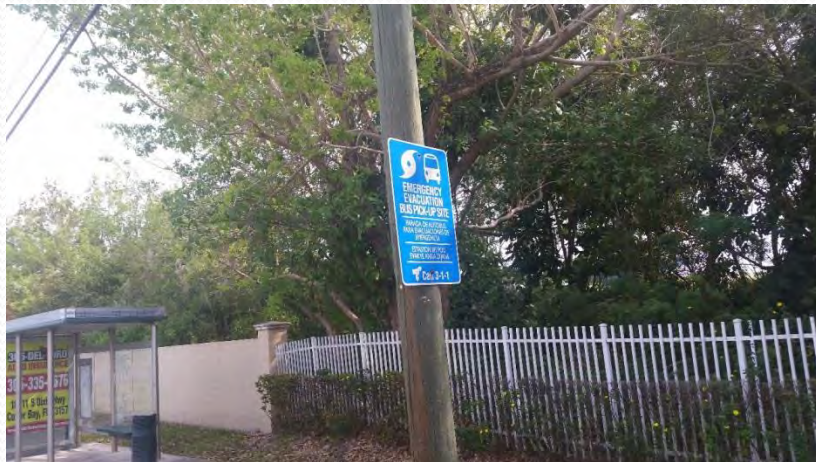


## Project #16

# Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- Current Bus Pickup Points

	LOCATION	ADDRESS	CITY	ZIP CODE	EVAC ZONE	VICINITY	Status	MAP	COMMENTS (indicate "OK" if no problems)
3	EAST RIDGE RETIREMENT VILLAGE	SW 193 TE & SW 87 AV	CUTLER BAY	33157	A	SOUTHWEST	KEEP	SW9	OK
8	COVE APARTMENTS (NEW LOCATION)	21121 -21133 SW 85 AV	CUTLER BAY	33189	A	SOUTHWEST	KEEP	SW13	New location Bus Stop (Cove Apartments) 21121-21133 SW 85 Avenue
43	CUTLER RIDGE PARK	10100 SW 200 ST	CUTLER BAY	33157	B	SOUTHWEST	KEEP	SW8	OK
50	FRANJO PARK	20175 FRANJO RD	CUTLER BAY	33189	B	SOUTHWEST	KEEP	SW13	OK
51	SOUTHLAND MALL (SOUTHSIDE)	10850 SW 211 ST	CUTLER BAY	33189	B	SOUTHWEST	KEEP	SW13	OK



## Project #17

Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities

- ***Project Description:*** protecting critical facilities which operate as either evacuation centers or pump flood waters, or sewage should be protected from flood damage so they perform without interruption.
- ***Project Benefits:*** Reduces potential damage to critical facilities.
- ***Status:*** Critical facilities, located within the Town, are up to date with Miami-Dade County and have filed their Emergency Procedures with Miami-Dade County EOC. The Town has proposed “Hardening” improvements to Town Hall via State Legislative Item #2016-08, Cutler Bay Town Hall/EOC Hardening Project. The Town held Kick-Off Meeting on May 23, 2016 with TLC Engineering and issued P.O. 01147 and a Notice to Proceed. Concept & Design Phase (100% complete). **Ongoing as of December 4, 2018.**

## Project #17

Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities

- Current list of critical facilities, as of 2017.

 <b>CRITICAL FACILITIES</b> 		
AREA SCHOOLS		
Location	Address	Phone No.
Bel-Aire Elementary	10205 SW 194th Street	(305) 283-5401
Cutler Ridge Elementary	20210 Coral Sea Road	(305) 285-4611
Cutler Ridge Middle	19409 Gulfstream Road	(305) 235-4761
Gulfstream Elementary	20900 SW 97 Avenue	(305) 235-6811
Our Lady of the Holy Rosary (Private)	9500 SW 184 Street	(305) 234-5442
Whigham Elementary	21545 SW 87 Avenue	(305) 234-4840
Whigham Learning Facility	8035 SW 196 Street	(305) 282-5050
Whispering Pines Elementary	18929 SW 89 Road	(305) 238-7382
ASSISTED LIVING FACILITIES		
Bel-Aire Retirement Home	9955 SW 196 Street	(305) 338-8047
Bel-Air ALF II Inc.	19431 Franjo Road	(305) 283-8680
Bel-Air ALF Inc.	8830 Caribbean Blvd	(305) 255-8737
Bella Luna Retirement Home	18700 SW 93 Court	(305) 969-7482
Bel-View ALF Corp.	19768 Bel-Aire Drive	(786) 306-9441
Bertha Elderly Care	10051 Haitian Drive	(305) 235-3636
Bertha Elderly Care #2	10411 SW 200 Terrace	(305) 259-9242
Best ALF	19010 Bel-Aire Drive	(828) 361-1766
Blue Point Home Care	21910 SW 97 Court	(305) 971-5826
Caribbean ALF	9860 Caribbean Blvd.	(305) 562-7971
East Ridge Retirement Village	19301 SW 87 Avenue	(305) 238-2623
Genesis Care Centers	8395 SW 187 Terrace	(305) 859-7509
Good Time Home Care	8640 SW 185 Street	(305) 252-9419
Guardian Angel ALF	10265 Nicaragua Drive	(786) 344-3318
Harmony Family Home	9245 SW 208 Terrace	(786) 242-5577
Kenneth Home Inc.	9760 Memorial Road	(305) 278-1351
Living Well ALF	21280 Old Cutler Road	(305) 431-2586
Marlin Retirement	20610 Marlin Road	(786) 286-3839
Nuestro Hogar ALF, Inc.	9384 SW 184 Terrace	(786) 252-6818
Old Cutler Retirement Home	21640 Old Cutler Road	
Paradise Villa	21164 SW 92 Place	(305) 971-6477
Precious Moments ALF	9480 Dana Road	(786) 925-9518

## Project #18 – Improve drainage along a flood prone Town street or neighborhood

### New Project: Cutler Ridge Section 3 Drainage Improvement Project.

- ***Project Description:*** Upgrade the storm water infrastructure along Pan American Dr, Nicaragua Dr and Montego Bay East of Anchor Road in order to ensure sufficient discharge and/or storm water runoff.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from storm water ponding and prevents hazardous driving conditions for residents.
- ***Status:*** Project was identified during a series of two (2) public meetings.
- ***Funding source(s):*** Submitted under State Legislative item submittal 2018-06 requesting \$300,000. Also applied through Florida Small Cities Development Block Grant. **Ongoing as of December 4, 2018.**



# Project #18 – Cutler Ridge Section 3 Drainage Improvement Project



## Project #19 – Improve drainage along a flood prone Town streets or neighborhoods

### New Project: Saga Bay 1.7 Drainage Improvement Project.

- ***Project Description:*** Upgrade the storm water infrastructure in Saga Bay 1.7 Sub-Basin. Historical records show three (3) Repetitive Loss Properties. This project will ensure sufficient discharge and/or storm water runoff.
- ***Project Benefits:*** Reduces potential losses to structures which could be damaged from storm water ponding and prevents hazardous driving conditions for residents.
- ***Status:*** Project under the planning stage.
- ***Funding source(s):*** Submitted under State Legislative item submittal 2018-07 requesting \$250,000. **Ongoing as of December 4, 2018.**



# Project #19 – Saga Bay 1.7 Drainage Improvement Project



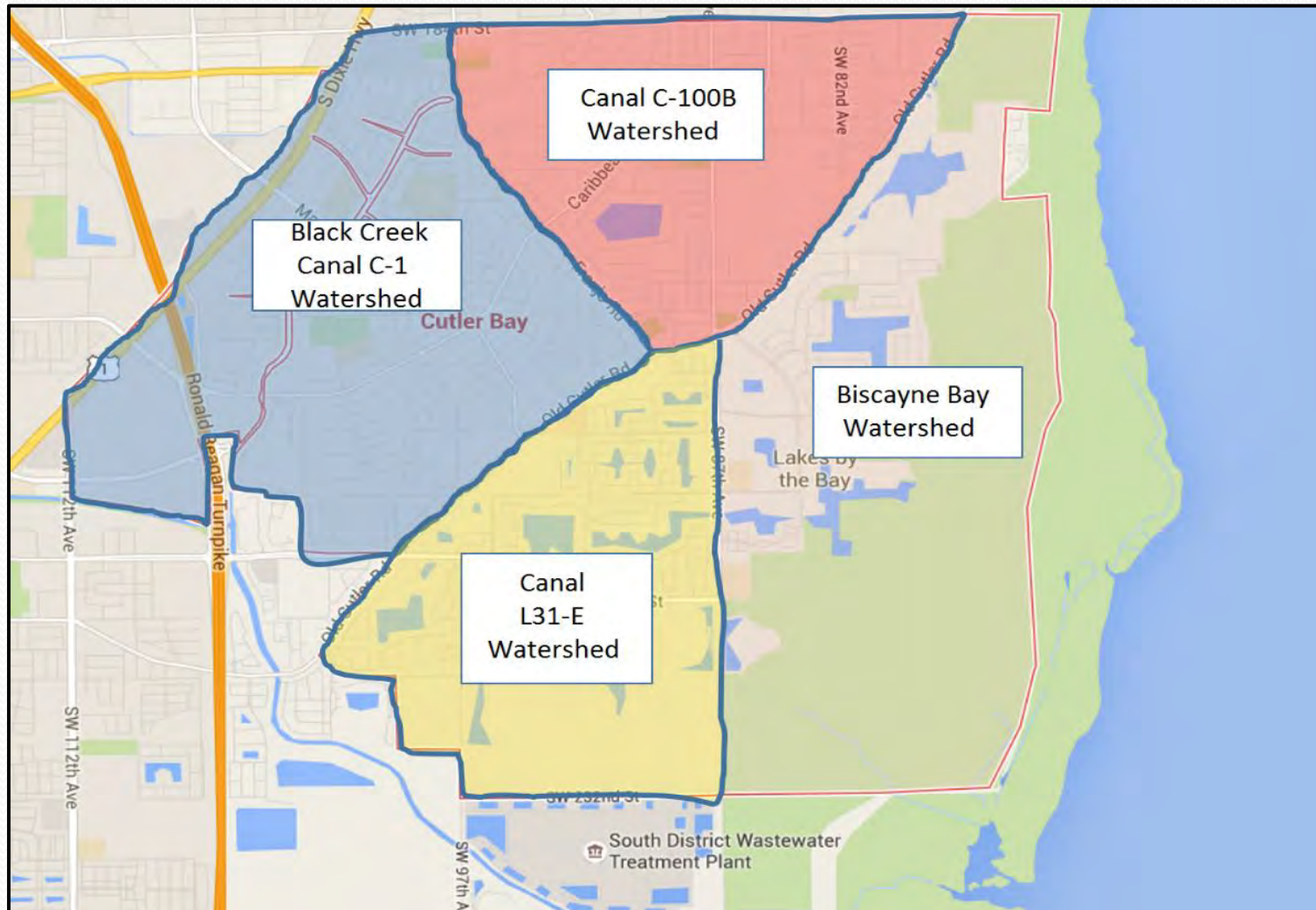
## Project #20– Develop a Watershed Master Plan

### New Project: Develop a Watershed Master Plan.

- ***Project Description:*** The objective of a Watershed Master Plan is to provide Cutler Bay with a tool it can use to make decisions that will reduce the increased flooding from development on a watershed-wide basis.
- ***Project Benefits:*** If stormwater runoff is only evaluated on individual parcels, the collective impact of flooding from all of those sites can be greater. Stormwater management regulations can reduce the future flood threat from a developing area, but a Watershed Master Plan goes further in predicting the rainfall/runoff relationships within the watershed, and in locating existing problems and identifying potential future problems.
- ***Status:*** Project was identified during a series of two (2) public meetings. **The Watershed Master Plan is scheduled to be adopted in the January 2019 Council Meeting.**
- ***Funding source(s):*** Stormwater Utility Fund. **Ongoing as of December 4, 2018.**

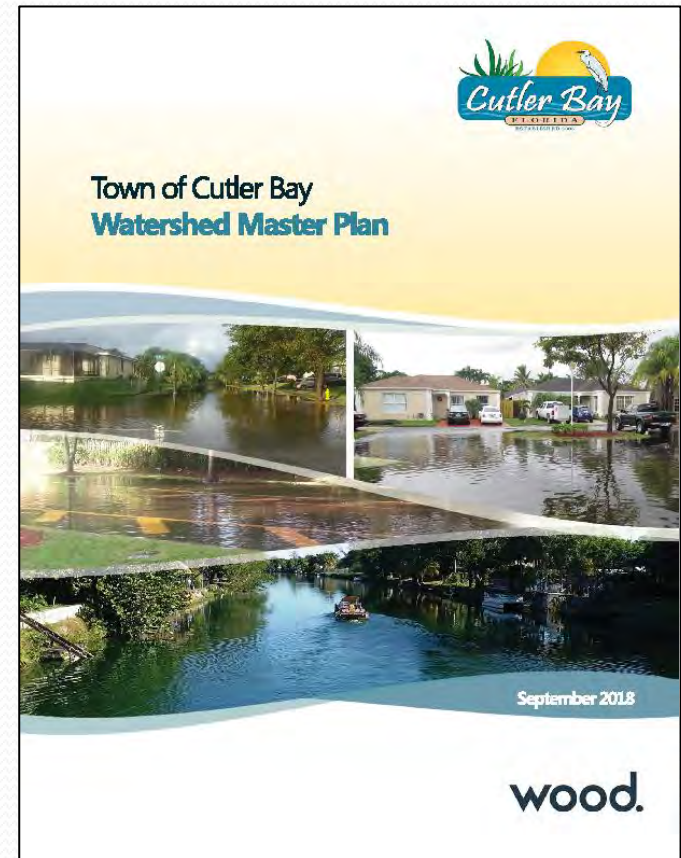


# Project #20– Develop a Watershed Master Plan



## Project #20– Develop a Watershed Master Plan

- To qualify under the CRS, a Watershed Master Plan must include the following criteria at a minimum:
  - Evaluate future conditions and long-duration storms
  - Evaluate the impact of sea level rise and climate change
  - Address the protection of natural channels
  - Provide a dedicated funding source for the implementation of the plan
  - Incorporate sea-level rise



# Questions?

Please contact the Public Works Department at (305)234-4262 or by email at the following:

Alfredo Quintero, Public Works Director

[aquintero@cutlerbay-fl.gov](mailto:aquintero@cutlerbay-fl.gov)

Yenier Vega, Stormwater Utility Manager

[yvega@cutlerbay-fl.gov](mailto:yvega@cutlerbay-fl.gov)