

Appropriations Project Request - Fiscal Year 2017-18

For projects meeting the Definition of House Rule 5.14

Is this a water project? Questions #1 – #20 must be answered for all appropriations project requests, except where otherwise noted. Additionally, questions #21 - #37 must be answered for all water projects.

Your request will not be officially submitted unless all questions and applicable sub parts are answered.

1. **Title of Project:** Saga Bay 1.2 Sub-Basin Water Quality Improvement Project
2. **Date of Submission:** 12/20/2016
3. **House Member Sponsor:** Representative Daisy Baez, FL-District 114
4. **DETAILS OF AMOUNT REQUESTED:**
 - a. Has funding been provided in a previous State budget for this activity? Yes No
 - If answer to 4a is "no" skip 4b and 4c and proceed to 4d*
 - b. What is the most recent fiscal year the project was funded? _____
 - c. Were the funds provided in the most recent fiscal year subsequently vetoed? Yes No
 - d. Complete the following Project Request Worksheet to develop your request.

FY:	Input Prior Year Appropriation for this project for FY 2016-17 (If appropriated in FY 2016-17 enter the appropriated amount, even if vetoed.)			Develop New Funds Request for FY 2017-18 (Requests for additional RECURRING funds are prohibited. Any additional Nonrecurring funding requested to supplement recurring funds in the base will result in the base recurring amount being converted to Nonrecurring .)		
	Column: A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated (Recurring plus Nonrecurring: column A + column B)	Recurring Base Budget (Will equal non-vetoed amounts provided in column A)	Additional Nonrecurring Request	TOTAL Nonrecurring Request (Will equal the amount from the Recurring base in Column D to be CONVERTED to Nonrecurring plus the Additional Nonrecurring Request in Column E. These funds will be appropriated nonrecurring if funded in the House Budget or the Final Conference Report on the budget.)
Input Amounts:	\$0	\$0			\$165,250	

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2017-18? YES NO
- If yes, which state agency?
 - If no, which is the most appropriate state agency to place an appropriation for the issue being requested? For example, if the requested issue pertains to services provided to inmates at correctional facilities, the Department of Corrections would be the most appropriate state agency.
6. Requester:
- Name: Rafael G. Casals, Town Manager
 - Organization: Town of Cutler Bay (Miami-Dade County)
 - Email: rcasals@cutlerbay-fl.gov
 - Phone #: 305-234-4262
7. Contact for questions about specific technical or financial details about the project (Please retype if same as Requester):
- Name: Alfredo Quintero, Public Works Director
 - Organization: Town of Cutler Bay (Miami-Dade County)
 - Email: aquintero@cutlerbay-fl.gov
 - Phone #: 305-234-4262
8. Is there a registered lobbyist working to secure funding for this project?
 YES NO If yes, please provide:
- Name: Fausto Gomez and Manny Reyes
 - Firm: Gomez Barker Associates, Inc.
 - Email: fgomez@gomezbarker.com or mreyes@gomezbarker.com
 - Phone #: 305-860-0780 or 850-222-9911
9. Organization or Name of entity receiving funds: (Please retype if same as Requester or Contact)
- Name: Town of Cutler Bay
 - County (County where funds are to be expended) Miami-Dade
 - Service Area (Counties being served by the service(s) provided with funding) Miami-Dade
10. What type of organization is the entity that will receive the funds? (Select one)
- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College
- Other (Please describe) _____

11. What is the specific purpose or goal that will be achieved by the funds being requested?

The Town of Cutler Bay is requesting \$165,250 to assist with drainage improvements in the Town's Saga Bay 1.2 Sub Basin. This is a "HIGH" priority project identified in the Town's Stormwater Master Plan adopted via Town Resolution #08-50, and Floodplain Mitigation Plan adopted via Town Resolution #15-27, based on history of extensive flooding, repetitive property loss and resident complaints. The goal of this project is to reduce instances of flooding, reduce pollution to the environmentally sensitive Biscayne Bay as a result of roadway runoff, and improve the quality of life for residents of the Town. Pre-planning for this project is complete and the Town is now in the process of selecting a contractor to complete the construction design documents and prepare the project for permitting. This project will be "shovel-ready" by September 30, 2017.

Project Abstract: Based on the Capital Improvement recommendations listed in the Town's Adopted Stormwater Master Plan, the Town will use the requested funding to: Install six (6) manholes; Install six (6) additional catch basins; replace three (3) existing catch basins; Install an additional 725 LF of 18" Pipe; and install an additional 250 LF of French Drain. The Saga Bay 1.2 Sub-Basin failed to meet performance standards in four (4) out of five (5) goals (Water Quality, 5-Year Storm, 10-Year Storm, and Observed Flooding or Complaints) during the development of the Stormwater Master Plan. Existing catch basins will be modified to provide sediment traps (sumps) and pollution retardant baffles to protect the French Drains. Weir structures will be installed prior to each outfall to restrict the discharge of pollutants to the Saga Bay Lake. Additional French Drain, Catch Basins, and/or manholes will provide water quality and water quantity treatment. Finally, concrete aprons will be installed around each Catch Basin to ensure that roadway runoff flow is not impeded by landscaping around the Catch Basins. The Town is currently working with a contracted engineering consultant to develop the plans and permitting documents in order to have this project "shovel-ready". If awarded funding, the Town will be able to complete construction of this project within twelve (12) months from the date of contract execution. This project is included in the Miami-Dade County Local Mitigation Strategy via Town Resolution #15-40, and is updated annually by Town Staff. Furthermore, this project was recommended again by the residents of Cutler Bay and has been included in the Town's Floodplain Mitigation Master Plan which has been approved by the Florida Department of Environmental Protection and the Federal Emergency Management Agency (FEMA).

About the Town of Cutler Bay: Cutler Bay is located in South Miami-Dade County, and is bordered on the West by Biscayne Bay National Park and the Biscayne Bay Wetlands. The Town was incorporated in 2005 and is the youngest municipality in Miami-Dade County. In a short period of time, the Town has made great strides to improve the quality of our roadways and drainage systems by implementing best practices and educational campaigns that will protect the environmentally sensitive waters of Biscayne Bay. The Town is an active participant of FEMA's National Flood Insurance Program's Community Rating System (CRS). In an effort to reduce our current CRS rating from six (6) which affords our property owners a twenty percent (20%) annual flood insurance savings to a CRS rating of five (5) which will afford property owners a twenty-five percent (25%) savings. A portion of this goal will be accomplished through a robust Floodplain Management Program for Public Information (Town Resolution #16-32) which consists of regular outreach activities and the installation of educational signage and stenciling at stormwater outfalls and drainage projects. The Town has completed approximately 50% of the recommended stormwater improvement projects from the Stormwater Master Plan. We have decided to target the Saga Bay 1.2 Sub-basin next because coastal storm surge has the greatest potential to impact properties in eastern Cutler Bay where Saga Bay is located.

Project Location and Environmental Benefit: The Saga Bay 1.2 drainage improvement project is located north of SW 198 Terrace, south of SW 196 Street, east of SW 81 Court and west of SW 78 Avenue. Watershed Name: Everglades Hydrologic Unit Code (HUC): 03090202. This project will reduce the pollutant loads to the environmentally sensitive waters of Biscayne Bay by 80% or greater for Total Phosphorous, Total Nitrogen, and/or Total Suspended Solids.

Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Choose YES or NO	Description	Non- Recurring <small>(Total should equal 4d, Col. F) Enter "0" if request is zero for the</small>
<u>Administrative Costs:</u>			
a. Executive Director/Project Head Salary and Benefits	NO	N/A	\$0
b. Other Salary and Benefits	NO	N/A	\$0
c. Expense/Equipment/Travel/Supplies/Other	NO	N/A	\$0
d. Consultants/Contracted Services/Study	NO	N/A	\$0
<u>Operational Costs:</u>			
e. Salaries and Benefits	NO	N/A	\$0
f. Expenses/Equipment/Travel/Supplies/Other	NO	N/A	\$0
g. Consultants/Contracted Services/Study	NO	N/A	\$0
<u>Fixed Capital Construction/Major Renovation:</u>			
h. Construction/Renovation/Land/Planning Engineering	YES	Construction Costs associated with the renovation and improvement of the Saga Bay 1.2 Sub-Basin. Drainage System	\$165,250
I. TOTAL REQUESTED			\$165,250

12. For the Fixed Capital Costs requested with this issue (In Question 12, a YES was selected for "h. Fixed Capital Outlay" costs), what type of ownership will the facility be under when complete? (Select one correct option)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government (e.g., police, fire or local government buildings, local roads, etc.)

- State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)
- Other (Please describe) _____

13. Is the project request an information technology project? YES NO *Water projects skip to #15*
- a. Will this information technology project be managed within a state agency to support state agency program goals? YES NO
 - b. What is the total cost (all years) to design and build the project? _____
 - c. What are the ongoing (annual recurring) maintenance and operation costs once the project is completed? _____
 - d. Can the state agency fund the ongoing annual recurring costs within its current operating budget? _____ Yes or no {character}
 - e. What are the specific business objectives or needs the IT project is intended to address? _____ {Text, 500 characters}
 - f. Based upon the identified business objectives or needs, what are the success factors that must be realized in order for the state agency to consider the proposed IT project a success? _____ {Text, text 500 characters}

14. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support? Yes No

Please Describe: The Miami-Dade County Local Mitigation Strategy board has provided a letter to the Town recognizing the need for this project that is kept on file. Additionally, the Town adopted a Stormwater Master Plan via Reslution #08-50 as a result of a series of public involvement meetings, and this project was identified in the Master Plan. Finally, in 2015, the Town adopted a Floodplain Mitigation Master Plan via Resolution #15-27 that was funded by the Florida Department of Environmental Protection and approved by the Federal Emergency Management Agency (FEMA). The Saga Bay 1.2 project was identified in the adopted Floodplain Mitigation Plan as a "HIGH" priority project, and the Town's Floodplain Technical Advisory Committee which consists of Town residents, meets quarterly to review the steps that the Town is taking to implement the projects identified in the Floodplain Plan.

15. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served? Yes No Please Describe: The Stormwater Master Plan was conducted by Kimley Horn and Associates, and the Town's Floodplain Mitigation Plan was developed by Amec Foster Wheeler and approved by FEMA.

16. Will the requested funds be used directly for services to citizens? Yes No *Water projects skip to #18*

- a. Describe the target population to be served. Select all that apply to the target population:
 - Elderly persons
 - Persons with poor mental health
 - Persons with poor physical health
 - Jobless persons
 - Economically disadvantaged persons
 - At-risk youth
 - Homeless
 - Developmentally disabled

- Physically disabled
- Drug users (in health services)
- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons
- Drug offenders (in criminal Justice)
- Victims of crime
- Other (Describe _____)

How many in the target population are expected to be served?

- < 25
- 25-50
- 51-100
- 101-200
- 201-400
- 401-800
- >800

17. What benefits or outcomes will be realized by the expenditure of funds requested (Select YES or NO in each blank that applies):

Yes/No	Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the Method for measuring level of benefit or outcome
No	Improve physical health		
No	Improve mental health		
No	Enrich cultural experience		
No	Improve agricultural production/promotion/education		
No	Improve quality of education		
No	Enhance/preserve/improve environmental or fish and wildlife quality		
No	Protect the general public from harm (environmental, criminal, etc.)		
No	Improve transportation conditions		
No	Increase or improve economic activity		
No	Increase tourism		
No	Create specific immediate job opportunities		
No	Enhance specific individual's economic self sufficiency		
No	Reduce recidivism		

No	Reduce substance abuse		
No	Divert from Criminal/Juvenile justice system		
No	Improve wastewater management		
No	Improve stormwater management		
No	Improve groundwater quality		
No	Improve drinking water quality		
No	Improve surface water quality		
	Other (Please describe) _____		

18. Provide the total cost of the project for FY 2017-18 from all sources of funding (Enter "0" if amount is zero):

Type of Funding	Amount	% of Total (Automatically Calculates)	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Budget Issue Request:	\$162,250	50%	N/A
2. Federal:	\$0	0%	
3. State: (Excluding the requested Total Amount in #4d, Column F)	\$0	0%	
4. Local:	\$162,250	50%	The Town's match is obtained through Stormwater Utility Fees
5. Other:	\$0	0%	
Total	\$330,500	100%	

19. Is this a multi-year project requiring funding from the state for more than one year? YES NO

a. How much state funding would be requested after 2017-18 over the next 5 years? _____

b. How many additional years of state support do you expect to need for this project? _____

- c. What is the total project cost for all years including all federal, local, state, and any other funds? Select the single answer which best describes the total project cost. If funds requested are for ongoing services or for recurring activities select “ongoing activity”.

The questions below are additional questions for water projects only

20. What is the revenue source of ongoing operating Funds? Town’s General Budget and Stormwater Utility Fees
21. Has local approval been given for ongoing operating funds? Yes, the Town Council is in support of this project.
22. Have you applied for alternative state funding?
- a. Wastewater Revolving Loan
 - b. Drinking Water Revolving Loan
 - c. Small Community Wastewater Treatment Grant
 - d. Other (Text for what the other is)
 - e. N/A
23. Has project been addressed in a local, regional, or state plan? YES
- a. If Yes, Insert Plan Name and Cite Page Numbers Miami-Dade Local Mitigation Strategy Project List #346
24. Is the project for a financially disadvantaged community? NO
25. What is the population economic status?
- a. Financially Disadvantaged Municipality
 - b. Rural Area of Critical Economic Concern
 - c. Rural Community Experiencing Economic Distress
 - d. N/A
26. What is the status of planning?
- a. Ready
 - b. Not Ready
27. What percentage of the planning process has been completed ? 100%
28. What is the estimated planning completion date? Completed
29. What is the status of design ?
- a. Ready
 - b. Not Ready
30. What percentage of design has been completed? 30%
31. What is the estimated design completion date? June 30, 2017

32. List all required permits 1. South Florida Water Management District, 2. Miami-Dade Regulatory and Economic Resources
33. What is the status of permitting?
 - a. Planned – Estimated Completion September 30, 2017
 - b. Submitted
 - c. Received
34. What is the status of construction?
 - a. Ready
 - b. Not Ready
35. What percentage of construction has been completed? 0%
36. What is the estimated completion date of construction? September 30, 2018



TOWN OF CUTLER BAY

2017-01

State Legislative Session

Funding Request(s)

PROJECT:

**SAGA BAY 1.2
SUB-BASIN**





Office of the Town Manager

Rafael G. Casals, CFM
Town Manager

Saga Bay 1.2 Sub-Basin Water Quality Improvement Project

Amount Requested: \$165,250 (50%)
Match funding available: \$165,250 (50%)
Total Project Cost: \$330,500

Contact Person: Rafael G. Casals, Town Manager
Town of Cutler Bay
10720 Caribbean Blvd., Suite 105
Cutler Bay, Florida 33189
Office: 305-234-4262 ~ Fax: 305-234-4251
Email: rcasals@cutlerbay-fl.gov

Project Abstract:

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. 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 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.

Based on the Capital Improvement recommendations listed in the Town's Adopted Stormwater Master Plan, the Town will use the requested funding to: Install six (6) manholes; Install six (6) additional catch basins; replace three (3) existing catch basins; Install an additional 725 LF of 18" Pipe; and install an additional 250 LF of French Drain. These improvements will be conducted in Area #34 of the attached Sub-Basin Map. Area #34 failed to meet performance standards in four (4) out of five (5) goals (Water Quality, 5-Year Storm, 10-Year Storm, and Observed Flooding or Complaints). Existing catch basins will be modified to provide sediment traps (sumps) and pollution retardant baffles to protect the French Drains. Weir structures will be installed prior to each outfall to restrict the discharge of pollutants to the Saga Bay Lake. Additional French Drain, Catch Basins, and/or manholes will provide water quality and water

quantity treatment. Finally, concrete aprons will be installed around each Catch Basin to ensure that roadway runoff flow is not impeded by landscaping around the Catch Basins. The Town is currently working with a contracted engineering consultant to develop the plans and permitting documents in order to have this project “shovel-ready”. If awarded funding, the Town will be able to complete construction of this project within twelve (12) months from the date of contract execution. Furthermore, this project was recommended again by the residents of Cutler Bay and has been included in the Town’s newly developed Floodplain Mitigation Master Plan adopted via Resolution #14-73 in October 2014.

Project Location:

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. **Watershed Name:** Everglades **Hydrologic Unit Code (HUC):** 03090202

Project Benefits:

Cutler Bay is bordered on the West by Biscayne Bay National Park and the Biscayne Bay Wetlands. In our efforts to protect the Bay, the Town has implemented a series of best management practices as it relates to stormwater treatment. The Town consistently educates the community about water pollution due to stormwater runoff and regularly maintains the Town’s streets and drainage systems. All Capital Improvement projects include improved treatment trains that will ultimately reduce pollutant loads to Biscayne Bay by 80% or greater. This particular project discharges into the Biscayne Bay C-1 Canal and ends in Biscayne Bay.

This chart displays the estimated pollutant load reduction provided by the proposed inlet traps, baffle boxes and exfiltration trenches. Impact was estimated using methodology similar to Harvey Harper’s Model and was accepted by the South Florida Water Management District.

Pollutant	Existing Load (kg/yr)	Reduction (kg/yr)	Proposed Load (kg/yr)	Percentage Reduction
Total Phosphorous (TP)	7.77	7.20	0.57	92.7%
Total Nitrogen (TN)	61.21	54.79	6.43	89.5%
Total Suspended Solids (TSS)	733.79	664.45	69.34	90.6%

Match Funding Available:

The Town commits \$165,250 (50%) of the total estimated cost of \$330,500 as match. 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.



Attachment I

Letter of Endorsement

Miami-Dade County LMS

Cathie Perkins, LMS Planner
Miami-Dade Emergency Management
9300 N.W. 41st Street
Miami, FL 33178-2414
Phone: (305)-468-5429



March 14, 2014

Mr. Miles Anderson, State Hazard Mitigation Officer
Florida Division of Emergency Management
2555 Shumard Oaks Boulevard
Tallahassee, Florida 32399-2100

Re: Hazard Mitigation Grant Program (HMGP) applications for FEMA 4138-DR-FL "Florida Severe Storms and Flooding"

Dear Mr. Anderson,

The Miami-Dade County Local Mitigation Strategy (LMS) working group has approved the following project for HMGP funding from this disaster:

The Town of Cutler Bay is applying for potential funding for a drainage improvement project. The Project as it is listed in our LMS Project list (Project #346) is entitled Drainage Improvements – Saga Bay Section 1.2 Sub-Basin.

The projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal Regulations 44§ 201.6). Furthermore, the Town of Cutler Bay is an active, continuing participant in the Miami-Dade County Local Mitigation Strategy (LMS) Working Group.

For further information or inquiry, please contact me at 305.468.5429 and cathie.perkins@miamidade.gov.

Sincerely,

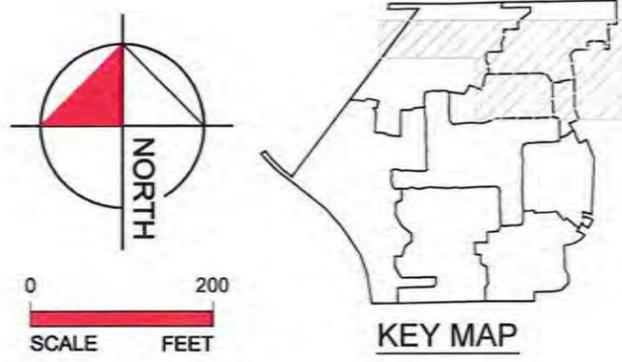
A handwritten signature in blue ink, appearing to read "Cathie Perkins", with a long horizontal flourish extending to the right.

Cathie Perkins,
Miami-Dade County LMS Planner

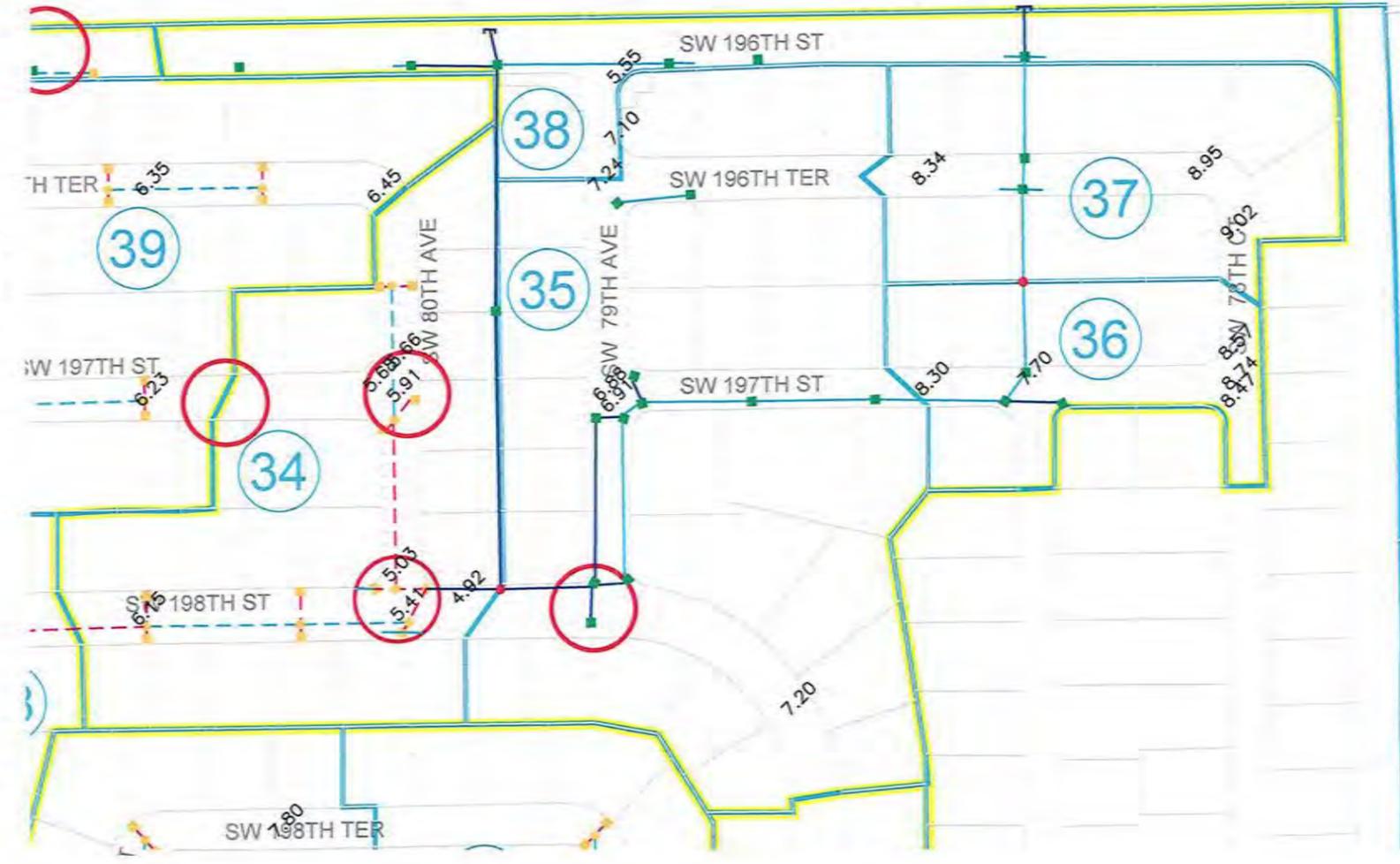


Attachment II

Project Maps from the Town's Stormwater Master Plan



- LEGEND**
- EXIST./PROP. OUTFALL PIPE
 - EXIST./PROP. DRAINAGE PIPE
 - EXIST./PROP. FRENCH DRAIN
 - AREA DELINEATION
 - SUB-BASIN GROUP
 - EXIST./PROP. CATCH BASIN
 - EXIST./PROP. MANHOLE
 - ▨ PROP. REGRADING
 - # AREA NUMBER
 - KHA OBSERVED PONDING
 - KHA OBSERVED FLOODING
 - TOWN COMPLAINT LOCATIONS



- AREA 34 PROPOSED MODIFICATIONS**
 -REPLACE 3 EXIST. C.B.
 -ADD 6 MANHOLES
 -ADD 6 CATCH BASIN
 -ADD 725 LF OF 18" PIPE
 -ADD 250 LF OF FRENCH DRAIN
- AREA 35 PROPOSED MODIFICATIONS**
 -NO IMPROVEMENTS PROPOSED
- AREA 36 PROPOSED MODIFICATIONS**
 -NO IMPROVEMENTS PROPOSED
- AREA 37 PROPOSED MODIFICATIONS**
 -NO IMPROVEMENTS PROPOSED
- AREA 38 PROPOSED MODIFICATIONS**
 -NO IMPROVEMENTS PROPOSED

SUMMARY OF PROPOSED MODIFICATIONS

- REPLACE 3 EXIST. C.B.
- ADD 6 MANHOLES
- ADD 6 CATCH BASIN
- ADD 725 LF OF 18" PIPE
- ADD 250 LF OF FRENCH DRAIN



**TOWN OF CUTLER BAY
 STORMWATER MASTER PLAN**

**SAGA BAY 1.2
 SUB-BASIN**

FIGURE 16

Drawing name: H:\043_jba\043145000-Cutler Bay Stormwater MP\CADD\CIVIL\CONCEPT\FIG 15A-22.dwg FIG 16 SAGA BAY 1.2 Mar 25, 2008 11:22am by: heather.spencer



Attachment III

Section II-A: Latitude/Longitude Map

Section II-B: FIRM Map

Section II-C: Site Maps & Photographs

Town of Cutler Bay

Saga Bay Sub-Basin 1.2



Town of Cutler Bay



Town of Cutler Bay

