



510 - FMP



FLOODPLAIN MANAGEMENT PLAN

2018-2019 Progress Report

Executive Summary:

The purpose of this document is to provide an annual account of activities associated with the City of Oakland Park ("City") Floodplain Management Program. This document facilitates information that can benefit public officials, businesses, and the Citizens of Oakland Park.

The Broward County Local Mitigation Strategy (LMS) serves as the City's Floodplain Management Plan under the Community Rating System (CRS) of the National Flood Insurance Program (NFIP). Under CRS Activity 510, the City is required to complete a Floodplain Management Plan annual progress report. This report constitutes an update of the original Progress Report of the Floodplain Management Plan which was dated August 31, 2012.

For the purpose of receiving credit under the Community Rating System (CRS), this report must be distributed to our governing body and be available to the public. Copies of this report and the Broward County Local Mitigation Strategy are available for review in the Engineering & Community Development Department located at 5399 N. Dixie Highway, Suite 3, Oakland Park, Florida 33334. The public can also review this report on the City's website at www.oaklandparkfl.gov.

The City of Oakland Park continues to be a Class 7 in the National Flood Insurance Program (NFIP) Community Rating System (CRS), providing a fifteen percent (15%) discount to our residents and businesses relative the premium cost of flood insurance for NFIP policies issued or renewed in the Special Flood Hazard Area (SFHA).

The following Annual Report has been updated to reflect current on-going goals and new projects for FY 2018/2019. Oakland Park will continue the commitment to be a member of the Broward County Mitigation Task Force and the LMS Working Group since its inception and will attend the regularly scheduled meetings. During this past year, the City has continued to make progress in its flood mitigation efforts. The City will continue providing outreach projects to residents and businesses while maintaining the CRS Class 7 Rating, in addition to performing the other goals and objectives included in this report.

Background:

The original Broward County Local Mitigation Strategy (LMS hereafter) was drafted by the Broward County Mitigation Task Force and Broward County Emergency Coordinating Council in 1999-2000. The strategy focused on all potential hazards including those related to wind and flood. The plan recommended goals to reduce and prevent hazards, including flooding. The strategy focused on all potential hazards including those related to wind and flood. The plan recommended goals to reduce and prevent hazards, including flooding. The plan was updated in part from 2002 to 2004 and later in 2009. In March 2010, the City Commission of the City of Oakland Park adopted the 2009 Broward County Multi-Jurisdictional Local Mitigation Strategy (LMS) Plan via Resolution No. R-2010-039.

The Broward County LMS is in compliance with the local hazard mitigation requirements of Section 322 of the Disaster Mitigation Act of 2000 (DMA2K) as implemented in 44 C.F.R., Part 201, and provides a comprehensive, cohesive, and coordinated hazard mitigation program for Broward County. Adopting the Plan, in partnership with the County, allows for continued eligibility for future hazard mitigation grant funding opportunities. On May 2, 2018, by adoption of Resolution No. 2018-067, the City Commission passed the Broward County Enhanced Local Mitigation Strategy (ELMS) Plan dated September 2017.

2018-2019 Update:

The main priority again for Fiscal Year 18/19 was to complete the Short Term and Long-Term Flood Mitigation Initiatives adopted by the City Commission on January 4, 2006 and February 1, 2006 Commission meetings and to continue the construction of priority flood mitigation drainage projects as prioritized in the Commission adopted 2003 Stormwater Master Plan.

Other drainage improvements in Fiscal Year 18/19 include improvements in the Coral Heights neighborhood related to the Bid Pack 8 project, including drainage improvements in the swales to function more effectively for roadway drainage and improvements along a the segment of Andrews Avenue between Oakland Park Boulevard and Prospect Road, as part of the complete streets project consisting of upgraded drainage pipes and associated catch basin improvements.

Prior Accomplishments:

Repetitive loss flood prone areas: Two major multi-million-dollar drainage projects (Kimberly Lake Drainage Project and NE 6th Avenue Trunkline Project) in repetitive loss flood prone areas of the City were completed in Fiscal Year 07/08.

Other major drainage projects: Project completed include the NW 21 Ave Trunkline and Lakeside/Rock Island improvements, Lloyd Estates Drainage, Lloyd Estates Residential & Industrial Drainage, Garden Acres Neighborhood Improvements, Floranada Drainage, Park Lane East and N.E. 34 Court roadway improvements. These systems are functioning well, and field observations have indicated no flooding has occurred during moderate rain events in the neighborhoods where these major drainage systems were installed.

Expanded Lloyd Estates Residential & Industrial (LERIX): In October 31, 2011, the Lloyd Estates neighborhood experienced severe flooding due to a combination of extreme high tides and 15 inches of rainfall over a 36-hour period. This led to the creation of the Expanded Lloyd Estates Residential & Industrial (LERIX) drainage improvement project which was constructed and completed in May 2017. This project included the installation of a flood gate and a pump station able to control the level of water upstream of the gate and enable the drainage improvements in the Lloyd Estates area to be able to function even during extreme high (king) tides.

Prior to the installation of these drainage systems, these areas had repetitive loss claims with water intrusion into the finished floor level of a limited number of properties. Since the

completion and on-going maintenance of the drainage systems it appears the repetitive loss situation in these areas has been mitigated.

Review of Action Items in the Action Plan:

This document reviews, evaluates and updates the action items that pertain to the City of Oakland Park and are listed in the Broward County LMS, which serves as the City's Floodplain Management Plan. This review is intended to determine the overall implementation and success of the plan and, therefore, Oakland Park with regard to be an on-going participant in the Broward County Multi-jurisdictional LMS. The following action items are listed for the City's Short-Term Flood Mitigation Initiatives and the Long-Term Initiatives continue to be the driving guidelines and standards to which Flood Mitigation is managed.

I. Flood Mitigation Initiatives - Short Term Action Plan (Initiatives noted in *blue* are recent)

The Short-Term Action Plan consisting of 17 items/tasks were completed by June 2006. Ongoing monitoring reveals the following:

Items/Task	Status	FY18/19 Update
ACCELERATED CLEANING OF STORM DRAINS/CATCH BASINS WITHIN ALL FLOOD PRONE AREAS	COMPLETED. This item was completed by May of 2006.	In 2018/2019 City crews checked 3,592 & cleaned 304 catch basins from our stormwater system, cleaned 24,489 LF of pipe and removed 259 cubic yards of debris from our stormwater system. The total inspected and cleaned exceeded yearly performance goals. The City also performs monthly checks and repairs on its five pump stations for a total of 60 inspections. The City also successfully completed all of its activities for year five and six of the new stormwater NPDES permit in April 2018.
ADDITIONAL FIELD PERSONNEL/EQUIPMENT IN STORMWATER - ASSESSMENT	COMPLETED. This item was completed by March of 2006.	
SOUTH SLEEPY RIVER DREDGING PROJECT (SOUTH OF OAKLAND PARK BLVD)	COMPLETED. This project was completed by the end of September 2007 with 1,169 cubic	

	yards of material being removed.	
SLEEPY RIVER NORTH DREDGING PROJECT	COMPLETED. This project was awarded to Gator Dredging on July 21, 2010 and all mitigation activities were completed by December 30, 2010. Additionally, the area under the NW 34 Street Bridge was also dredged and work was completed on July 29, 2011.	
CORAL LAKES/CHERRY CREEK DREDGING PROJECT	COMPLETED. This project was awarded to Gator Dredging on March 02, 2011. Construction began on 03/28/11 and was completed on 07/26/11.	The City will be initiating the process to access the depth of sediment/debris build up since the last dredging activities. The first step in this process is the "sounding" of the canal, which will provide a basis for additional testing and or action.
STATE AND COUNTY ROAD DRAINAGE INSPECTION PROGRAM	COMPLETED. City inspections are made on State and County Roads during rain events and as drainage system issues are observed they are reported to State and County officials as soon as possible.	
CLEANING, TELEVISED INSPECTION AND LINING OF OUTFALLS IN CORAL LAKES SYSTEM	COMPLETED.	
WARNING SIGNS FOR FLOOD PRONE AREAS	COMPLETED. Purchased signs, warning flashers and posts for distribution and placement in streets in the event of severe flooding. This was completed in time for the 2006 rainy season.	
PUMPING IN KEY AREAS OF FLOODING.	COMPLETED. Established a pump placement map for 7 key areas of the City where severe flooding occurs.	Annually: Prior to rainy season, the City performs training on portable stormwater pump operations and a simulated rain event set-up for emergency pumping measures. (July

		2019)
SAND BAG DEPOT	COMPLETED.	In 2011/12 the City crews filled and handed out 859 sand bags. Most of them were used on the rain event of October 31, 2011 and, Tropical Storm Isaac. Subsequently, the sand bag depot has filled and handed out to residents an additional 1,015 sand bags, primarily for Tropical Storm Erika (772). An additional (30) sand bags were handed out in 2016 during heavy rain storms at the request of residents. In 2017 sand bag depot supplied 7,860 sand bags for residents in preparation for Hurricane Irma. (updated July 2019).
CATCH BASIN PUBLIC EDUCATION PROGRAM	COMPLETED.	In 2015/2016 City staff handed out "Help Us Protect Our Waterways" information along with save our swale brochures to Oakland Park residents who lived near the waterways. City crews also installed 75 Storm Drain inlet markers to let residents know that the drains flow to the water ways. In 2017/2018 City crews also passed out the two informational brochures and door hangers to our residents and marked 100 catch basins with stormwater makers. (July 2019)
STORM NOTIFICATION SYSTEM	COMPLETED.	The Code Red notification system has been implemented and used successfully for communication with staff and residents before, during and after recent storm event, and was used for Hurricane Irma (September 2017). The system was tested most recently when the City used Code Red for a widespread potable water outage (July 2019).
STORMWATER ORDINANCE	COMPLETED. The Public Works Department developed Stormwater Ordinance amendments that were	

	adopted by the City Commission in 2006 and amended in 2013.	
PRIVATE STORMWATER DRAIN MAINTENANCE	COMPLETED. Established an ongoing inspection program requiring property owners to perform maintenance on private storm drainage systems.	
STORMWATER RUN-OFF FROM PRIVATE PROPERTY	COMPLETED. Established an internal process for addressing private property flooding issues in the City	
ENFORCEMENT OF STORMWATER ORDINANCE	COMPLETED. Adoption of a stormwater ordinance providing the legal means for mitigating private property flooding issues completed in 2006 and amended in 2013. Community Enhancement Division is now enforcing elements of the Ordinance.	
PROPERTY ACQUISITION FOR STORMWATER RETENTION AREA	COMPLETED.	City acquired two parcels at 3111 and 3121 North Andrews Avenue which were used to build a bio-swale retention area and house a pump station and gate to prevent the backflow of water from the C-13 Canal during extreme high tides with significant rainfall. These improvements will prevent flooding of the area between Oakland Park Blvd and Prospect Road and between Andrews Avenue and Powerline Road even when there is extreme high tide conditions and significant rainfall simultaneously. All work related to the LERIX Project was completed by the end of September 2016.

II. Flood Mitigation Initiatives -Long Term Action Plan (*Initiatives noted in blue are recent*)

Items/Task	Status	FY18/19 Update
CONTINUE ACCELERATED STORMWATER CONSTRUCTION PROGRAM	COMPLETED. Bid Pack 9 and the LERIX projects completed this activity to date.	
DEVELOP PRELIMINARY STORMWATER ENGINEERING REPORT	COMPLETED. A refined prioritization schedule was implemented into the current budget for project construction program. The remaining projects have been coordinated to be built with water system improvement projects when the water improvement is on the streets that need drainage improvements. As a result, all the remaining Severity Rated "B" projects and 4 Severity Rated "C" projects were included in the Fiscal Year 2012 budget with the LERIX project being completed in 2017.	
STORMWATER ENGINEERING DESIGN CRITERIA	COMPLETED.	
SWALE RESTORATION PROGRAM	COMPLETED. Efforts are ongoing.	
SPECIAL DRAINAGE CONSTRUCTION REQUIREMENTS	COMPLETED. All municipal drainage projects presently under design or construction have incorporated positive outfalls or overflows to water bodies. Where no possible positive outfall opportunity exists, retention areas or deep wells may be considered as noted in #6 and #7.	
PUMP STATIONS/DEEP WELLS	COMPLETED.	Three deep wells were installed as part of the Floranada Business District Phase II project. The LERIX pump station is currently fully in operation.

STORMWATER RETENTION AREAS	COMPLETED.	The City created a retention area at Park Lane East and NE 5 Ave. as part of the NE 5 Ave. Drainage improvement Project and created a wetland area at the outfall from the pump station as part of the LERIX project.
MUNICIPAL BOUNDARY STORMWATER RUN-OFF	COMPLETED.	
ACQUISITION OF STORMWATER MODELING SOFTWARE	COMPLETED.	
ADDITIONAL ENGINEERING PERSONNEL	COMPLETED.	

III. Flood Mitigation Initiatives - Capital Improvement Program – Stormwater Drainage Projects:

Over the last decade, significant progress has been made in design and completion of priority Stormwater drainage projects as identified in the 2003 Stormwater Master Plan. A Table of the Project Titles and current status is noted below:

A. STORMWATER CAPITAL IMPROVEMENT PROJECTS CONSTRUCTION PHASE (Projects noted in blue are recent)

<u>PROJECT TITLE</u>	<u>ITEM</u>	<u>STATUS</u>
1. NW 38 Street Roadway Improvements	Drainage	Complete
2. Prospect Road/NE 6 Terr. Drainage Imp.	Drainage	Complete
3. Floranada Business District Drainage Imp.	Drainage	Complete
4. Kimberly Lake Drainage Project	Drainage	Complete
5. NE 6 Avenue Trunkline Drainage Project	Drainage	Complete
6. Sleepy River South Maintenance Dredging	Drainage	Complete
7. NE 12 Avenue Drainage Improvements	Drainage	Complete
8. Harlem McBride Drainage Phase I	Drainage	Complete
9. Harlem McBride Drainage Phase II	Drainage	Complete
10. NW 21 Ave Trunkline (County/City)	Drainage	Complete
11. Rock Island/ Lakeside Improvements	Drainage	Complete
12. Lloyd Estates Drainage Improvements	Drainage	Complete
13. Sleepy River North Dredging	Drainage	Complete
14. Floranada Business District Phase II	Drainage	Complete
15. Coral Lakes/Cherry Creek Dredging	Drainage	Complete

16. Lloyd Estates Res. & Ind. (BP 7)	Drainage	Complete
17. Garden Acres Improvements (BP 5)	Drainage	Complete
18. NW 29 Ave, NW 23 Ter Loop (BP 3)	Drainage	Complete
19. Park Lane East Improvements:	Drainage	Complete
20. NE 34 Ct Roadway Improvements	Drainage	Complete
21. NW 12 Ave & 12 Ter included in BP 9	Drainage	Complete
22. NE 46 St West of NE 18 Ave included in BP 9	Drainage	Complete
23. NE 48 Ct: NE 18 Ave to North Lake in BP 9	Drainage	Complete
24. NE 47 St and NE 17 Ter included in BP 9	Drainage	Complete
25. Expanded LERI Project	Drainage	Complete
26. NE 5 Ave: NE 41 St to Park Lane East	Drainage	Complete
27. NE 8 Ter & OPB to Middle River THs	Drainage	Complete
28. Prospect Plaza Parking Lots Improvements	Drainage	Complete
29. Prospect Road from Andrews Ave to Dixie Hwy	Drainage	Complete
30. NE 3 Ave & NE 41 St west of Wimberly Field	Drainage	Complete
31. NE 43 St & NE 43 Ct from NE 1 Ter to NE 3 Ave	Drainage	Complete
32. NE 16 Ave Drainage included in BP 8	Drainage	Construction
33. NW 10 th Avenue from Park Lane to Prospect	Drainage	Construction

B. STORMWATER CAPITAL IMPROVEMENT PROJECTS IN PROGRESS (Design Phase)

<u>PROJECT TITLE</u>	<u>STATUS</u>
1. Mainstreet Drainage Improvement	Conceptual

This memorandum was prepared jointly by the Engineering & Community Development and Public Works Departments.

IV. Revised 2003 Stormwater Master Plan (updated 7-30-19)

Ranking	Project Title	Location	Bid Pack	Rating	Status
1	Kimberly Lakes Basin	NE 13 – 15 Ave & NE 38 – 41 St.		A	COMPLETED
2	Downtown Drainage Imp.-NE 12th Ave.	NE 11 Ave; Dixie Hwy & NE 12 Ave		A	COMPLETED
3	NE 38 th Street Drainage	NE 12 Ave east to US 1		A	COMPLETED
4	Prospect Gardens West	NW 42,43 Sts & 43 Ct. from NW 5 Ave to I-95		A	COMPLETED
5	NE 40th Court	From NE 6 Ave to Dixie Hwy		A	COMPLETED
6	NE 6 th Avenue Trunkline	NE 38 St to OPB		A	COMPLETED
7	Central Prospect Business	NE 5 Terr & NE 43 St / NE 8Ave north to Prospect		A	COMPLETED
7	Floranada Business District Phase 1	Floranada Rd south to 43 St/FEC west to Dixie		A	COMPLETED
9a	Floranada Business District Phase 2	Additional XF trenches & 3 deep wells for outfall in FBD		B	COMPLETED
10	Prospect Rd. & NE 6 th Terrace	NE 45 St from Dixie to Prospect		A	COMPLETED
11	Royal Palm Park/NW 38 th Street	NW 17 Terr east to Royal Palm Condo entrance		A	COMPLETED
12	Lloyd Estates NW 35 Ct, NW 36 St & NW 37 St	NW 35 Ct, NW 36 St & NW 37 St		A	COMPLETED
12A	Sleepy River Dredging-south of OPB	South of OPB and East of Andrews		A	COMPLETED
12B	Sleepy River Dredging-north of OPB	Sleepy River from Powerline Rd to Andrews Avenue		A	COMPLETED
**Added 12	Coral Lakes Study	Water Quality Study			COMPLETED
**Added 12	Coral Lakes System Improvements Project	Coral Lakes/Cherry Creek System		B	COMPLETED
13	NW 21st Avenue Trunkline - Awarded FEMA PDM	NW 27 St to CSX to C-13 canal via I-95 ROW		A	COMPLETED
14 - County	NE 56 St & 6 Avenue	Dixie to 6 Ave then south to Commercial		B	COMPLETED
15 - County	NW 26 Street	NW 21 Ave west to NW 26 Ave		B	COMPLETED
16	Lloyd Estates Residential & Industrial Drainage NW 38, 39 & 40 St + NW 10 Terr	Andrews Ave to Powerline Road	7	B	COMPLETED
23		NW 9 Ave west to NW 10 Terr		B	
17	Park Lane East: NE 38 St From Andrews Ave to NE 11 Ave	NE 6 Ave to Andrews Ave	12	B	COMPLETED
18		NE 11 Avenue to NE 6 Ave		B	
19	NE 12 Ave/12 Terr	East of Dixie@ Comm.	9	B	COMPLETED
21	NW 23 Terr/24 Ave-Rock Island (west of NW 21	OPB south to NW 29 St & NW 24 Ave from NW 27 St to cul		B	COMPLETED
21	NW 23 Terr Industrial Loop	South of OPB	3	B	COMPLETED
22	Garden Acres Drainage	Garden Acres Neighborhood	5	B (A)	COMPLETED
24	NE 3 Ave & 41 St	NE 41 St to NE 38 St west side of Wimberly Fields	11	B	COMPLETED
* 25	NE 46 St & 18 Ave	NE 18 Ave west to Coral Lakes	9	B	COMPLETED
26	NE 8 Terr	OPB south to cul-de-sac (River's Edge Townhomes)	10	B	COMPLETED
* 27	NE 48 Ct	NE 18 Ave west to North Lake	9	C	COMPLETED
* 28	NE 47 Street @ 17 Terr	NE 17 Terr to NE 17 Ave	9	C	COMPLETED
29	NE 43 St & NE 43 Ct	NE 1 Terr to NE 3 Ave	11	C	COMPLETED
30	NE 43 St & NE 19 Ave	East Lake & NE 17 & 18 Ave	9	C	COMPLETED
31	NW 19 & 20 Ave	Tamarac Forest sub-division		C	COMPLETED
32	NE 32 St	NE 11 Ave to NE 10 Ave north to NE 33 Street	10	D	COMPLETED
33	LERIX: OPB to Prospect Rd between Andrews Ave & Powerline Rd	NW 42 & 43 St & 43 Ct from NW 5 Ave to Andrews Ave		D	COMPLETED
** Added		NW 32Ct., NW 33St., NW 3 Ave.		D	
34	NW 17 Terr	W. OPB to NW 29 Street		D	COMPLETED
36	NW 36 Ct	East of NW 18 Ave & north of C-13		D	COMPLETED
*** 37	NE 6th Ave & Prospect Drainage Improvement	NE 6 Ave from NE 46 Ct to NE 38 St	11	B	COMPLETED
**38	NE 5 Ave from Park Lane to NE 41 St		11	C	COMPLETED
** Added	Rock Island Drainage-NW27,28,29ST	East of NW 21st Ave.		B	COMPLETED
** Added	Harlem McBride Drainage Project	NE 32 & 33 St. - 3 Ave to 5 Ave plus adjacent areas		B	COMPLETED
** Added	Harlem McBride Drainage Project Phase II	NE 5th Ave from Oakland Park Blvd to NE 38 St		B	COMPLETED
** Added	NW 29 Ave Drainage aka Orange Grove Manor	From OP Blvd south to City Limits from NW 30 Ave east to	3	B	COMPLETED
** Added	NE 15 Terrace (2995 NE 15 Ter complaints)	NE 15 Ter from NE 29 St to Cul-de-sac	8		COMPLETED

V. Drainage areas of concern: 2019

CITY OF OAKLAND PARK STORMWATER SECTION

The list below identifies areas that need to be monitored during and post severe rain events. Comments include current status of corrective action for each area of concern along with recommended action to be taken to alleviate or mitigate the impact of the flooding and current conditions.

1) NE 6th Ave. and Prospect Road (North side of intersection)

Comments: Observation during storm events identifies this area as being at a low elevation and is prone to flooding during heavy rain periods. However, being that there is positive drainage, it will drain slowly despite the low elevation.

2) North Andrews Gardens (NW Section) - Area East of Extended Stay Hotel

Comments: Under certain heavy rain events the NW section of North Andrews Gardens becomes overwhelmed as it is the lowest elevation point for the entire stormwater collection system in North Andrews Gardens. Although the area has a positive drainage system outfall, the NW section is the lowest and last to drain.

Recommended Action: Under anticipated heavy rain events, place pumps near the main drainage trunk line to assist with moving stormwater out of the area by forced pumping.

3) 2700 Block of West Oakland Park Blvd (FDOT Roadway)

Comments: This road is under the jurisdiction and maintenance of the Florida Department of Transportation. There is a low elevation point in the west 2700 block which does flood across several lanes of travel during heavy rain events.

Recommended Action: Contact FDOT's maintenance division to address any flooding concerns. Past action taken by FDOT has been to clean and free obstructions from the main lines which has proven to be beneficial.

4) NW 21st Ave at NW 26th St and NW 27th St - east of 21 Ave (County Road)

Comments: This area has experienced flooding in the past. The County road project is under construction and a 72" outfall is currently being constructed which alleviate flooding.

Recommended Action: Monitor closely for flooding conditions, contact County if problems are observed. Until project is completed, city stormwater crews will monitor and if necessary, close local streets as part of flood mitigation.

VI. Stormwater Drain Notice



WE CAN ALL DO OUR PART TO KEEP STORMWATER DRAINS CLEAR IN OAKLAND PARK

Stormwater Drains are also known as “Catch Basins”.

What is a Catch Basin? A Catch Basin is an inlet to a storm drain system designed specifically for capturing and conveying stormwater. A Catch Basin typically includes a steel grate where stormwater enters, and a sump to capture sediment, debris, and associated pollutants.

There are Many Things You Can do to Help Keep Catch Basins Clear noted as follows:

Take a look in the street outside of your residence or place of business, as well as the closest parking lots, and you soon lose count of the number of catch basins that are in place to help alleviate flooding in your neighborhood.

There are well over 2,000 in the City of Oakland Park and more are planned with the major construction projects currently underway.

There are many “little things” that can improve the effectiveness of our stormwater systems and with everyone’s cooperation the catch basins will be able to perform at their maximum level of efficiency during the times when we need them the most.

By taking the following steps, we can all do our part to ensure our City’s catch basins function effectively.

- Keep all catch basin drains clear of all debris. Adhere to the City’s bulk pick-up rules so the drains are not impaired during sudden storms or flash floods. Do not place bulk trash over or on top of a catch basin grate.
- Maintain a healthy lawn. Do not dump yard waste and grass cuttings in the catch basin drains or in the street.

- Never use the catch basin drains for disposing of pet waste or products such as motor oil, pesticides, paints or solvents. Most catch basin drains run to a body of water and these chemicals can have adverse effects on water quality and aquatic life.
- Re-direct roof downspouts from paved areas to vegetated areas.
- Avoid the accumulation of soil, leaves or yard clippings in your driveway, the sidewalk, or the street. These materials will wash down the catch basin drain in a rain event and can cause restricted performance of the drainage system.
- Report any catch basin drains covered with debris, clogged, or damaged, as soon as possible to the City's Stormwater Hotline at **954-561-6275**.
- Note the exact address or specific location of any illegal discharges or dumping in catch basin drains, canals or rights-of-way by contacting the Stormwater Hotline or the Broward Sheriff's Office.

The City's Stormwater staff will be checking catch basin drains on an ongoing basis and will kindly advise residents or businesses how to correct any potential code violations.