

## MEMORANDUM

To: Joseph W. Yarbrough, City Manager  
From: John Dillard, Community Development Director  
Date: September 22, 2016  
Re: **ANNUAL PROGRESS REPORT FOR THE CITY'S FLOODPLAIN  
MANAGEMENT PLAN**

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### **A. Background Information:**

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements.

The City of South Daytona participates in the NFIP CRS which means that residents and business owners receive a discount on their flood insurance premiums in recognition of the efforts made by the City of South Daytona to reduce the impacts of flooding. Reducing flood insurance premiums are just one of the many rewards of participating in these programs. CRS floodplain activities provide enhanced public safety, a reduction in property damage and public infrastructure, a reduction of economic loss and protection of the environment.

The City in working with the Volusia County Emergency Management has developed a Countywide Floodplain Management Plan to meet these NFIP CRS criteria. As part of the annual requirements, the City of South Daytona has developed a Mitigation Action Plan that follows proposed actions by the City to address concerns attributed to flooding and storm damage. This document is updated annually as part of the Volusia County Floodplain Management Plan.

The City Council adopted Resolution No. 10-04, outlining the Local Mitigation Strategy for Post-Disaster Redevelopment Planning as the City's Floodplain Management Plan. Under this planning effort, Activity 510 of the CRS Annual Recertification instructs participating communities to prepare a written progress report each year. The updated Mitigation Action Plan is our progress report. For the City to get credits under the CRS, this document must be distributed to our local media and made available to the public. A copy of this report will be kept in the Community Development Department at City Hall and will be posted on the City website.

## **City of South Daytona Floodplain Management Plan Annual Progress Report (2016)**

### **1.) Floodplain Management Plan Implementation Update/Status**

The City has accomplished or is continuously striving to achieve each of the City's mitigation initiatives. The City of South Daytona Floodplain Management Plan was incorporated into the Volusia County Integrated Management Plan by Resolution and the annual progress report update. An electronic copy of the Volusia County Integrated Floodplain Management Plan (2015) Update which includes the City of South Daytona Floodplain Management Plan and Action Plan is available for review at the County of Volusia website: <http://www.volusia.org/services/public-protection/emergency-management/>. The 2016 Annual Progress Report/Annual Plan Update for the City of South Daytona is available on the City of South Daytona's website: <http://www.southdaytona.org/department/division.php?structureid=29>

Goal – To protect human life and health through preparedness of emergency response teams from the Fire, Police and Public Works Departments.

*Status – The City has prepared and updates the South Daytona Disaster/Recovery Plan as needed. The plan outlines interdepartmental coordination for a unified response to disasters including flooding events. The Fire Department, Police, Public Works and the Community Development Department play vital rolls in the implementation of any emergency response.*

Goal – Provide leadership in protecting residential properties from the impacts of floods by coordinating historical data with updated storm water management studies to identify possible flooding concerns.

*Status – The City Council and City Manager are dedicated to the protection of the community from flooding issues. South Daytona is a coastal community with an average ground elevation of about 6.0' above sea level. This geographical feature dictates the need to be active, aggressive and responsive to the community needs for flood protection.*

Goal – To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public with proper planning and cost effective storm water improvements.

*Status – The City is continuously assessing the Stormwater Infrastructure and making necessary improvements as needed. South Daytona implemented a Stormwater Utility Fee to fund projects and as spent over \$30,000,000 in the past 20 years on stormwater related projects.*

Goal – To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains through hardening facilities and Public Works Department preparedness.

***Status – Public Works in conjunction with other utility and service providers work together to maintain in proper condition, replace when needed, and harden when necessary, all utilities, streets and bridges within the City.***

Goal – To help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blighted areas.

***Status – An integral part of a stable tax base for sound development is adhering to sound development codes and stormwater protection. South Daytona has in place a very strict development code that exceeds the minimum requirements set forth in the Florida Building Code and the Community Rating System Program.***

Goal – Provide advice to property owners by the Floodplain Manager and Chief Building Official, concerning the protection of their properties from flooding.

***Status – This service is provided on request by both the Floodplain Manager and Chief Building Official and has been an invaluable outreach program to assist homeowners and business owners with their localized drainage issues.***

Goal – Maintain a Public awareness program that informs all property owners in the flood zones that are located in a flood zone through mail-outs and website.

***Status – City staff continues to mail letters annually to homeowners of repetitive loss structures and those located in the SFHA regarding their location/status of their flood zone. The City website also provides many different documents and links for Public Awareness.***

Goal – Maintain an aggressive grant program to identify and obtain funding for both pre- and post-disaster mitigation projects through the Community Development and the Redevelopment Departments.

***Status – City staff continues to apply for grants and most recently was awarded over \$200,000 for a stormwater improvement project to reduce flooding in the Lantern Park Subdivision. The project includes building a stormwater pond for retention of run-off and reduction of flooding. The city has received over 30 million dollars over the past 40 years for mitigation and stormwater that have significantly reduced the number of structures that could flood during storm events.***

***New initiative: The city has also recently been awarded over \$300,000 in grant funds for a stormwater project to reduce flooding in the Jones Street neighborhood. The project includes building a stormwater pond for retention of fun-off and reduction of flooding.***

***New initiative: The City has submitted the Windle Lane Stormwater Project to***

*the LMS for ranking. This project will merge two smaller existing stormwater ponds into a much larger wet detention facility. This project will reduce flooding in the adjacent neighborhood and surrounding areas. No funding has been obtained to date.*

**Goal** – Create programs to manage the surface water runoff through maintaining an updated stormwater management plan through the Public Works Department in conjunction with the Floodplain Manager and Chief Building Official.

**Status** – *South Daytona has a Master Drainage Plan that is updated regularly with field collected data from Public Works after major storm events. Improvements are designed for areas with reoccurring flooding issues.*

**2.) Failure to meet objectives or implement goals/initiatives.**

N/A – the City of South Daytona meets their objectives or implements goals/initiatives as provide for in the plan.

**3.) New projects and recommendations.**

**New Mitigation Projects:**

**VOL-0453 Lantern Subdivision Retention Pond**

Lantern Park Stormwater Improvement Project is utilizing FEMA PDM and SJRWMD grant funds to mitigate flooding in the Lantern Park Subdivision and surrounding areas during storm events. This project is underway and will be completed by the end of 2016.

**VOL-0469 Jones Street Stormwater Project**

Jones Street Stormwater Project is utilizing DEP TMDL and SJRWMD grant funds to mitigate flooding in the Jones Street neighborhood and surrounding areas during storm events. This project will also allow emergency vehicles adequate ingress/egress from city hall which is adjacent to Jones Street/flooding.

**VOL – 0471 Windle Lane Stormwater Project**

This project includes the purchase of 2.26 acre vacant lot to two existing stormwater ponds. The existing ponds are located on 1.37 acres and serve two phases of the Coventry Forest subdivision. The acquired 2.26 acre lot will have a pumping station to aid in recovery efforts during and after major storm events thereby allowing better ingress/egress for our emergency services vehicles. The project includes an outfall structure designed to stop tail water from Reed Canal backing up into the proposed pond system.

**Past LMS Projects and Status:**

VOL-0210 – Country Club Manor Subdivision. Design underway; no funding to date.

VOL-0244 – Golfview Subdivision Retrofit – Phase V Stormwater. Completed 2008.

VOL0245 – Lantern Park Retrofit – Phase V Stormwater. Design complete, funded, property purchased and project underway.

VOL0246 – Reed Canal Reconstruction Design. Design underway; no funding to date.

VOL-0247 – Western Road Stormwater Improvements. Completed 2006.

VOL0248 – Greenbriar Subdivision Retrofit. Completed 2012.

VOL-0378 – Stevens Canal Outflow Pond. Completed 2010.

VOL0389 – South Daytona EOC/Public Works Facility. Design underway; no funding to date.

VOL-0395 Reed Canal Stormwater Treatment Facility. Completed 2012.