

City of Pompano Beach, Florida

CRS Activity 510

2022 Annual Progress Report on Flood Mitigation Plan

Which Plan is this for (use separate templates for each credited Plan):

☒ ***Floodplain Management Plan (Hazard Mitigation Plan)***

☐ ***Repetitive Loss Area Analysis***

☐ ***Floodplain Species Plan***

☐ ***Substantial Damage Plan***

Name of Community:

Pompano Beach, Florida (NFIP# 120055)

Date this Annual Progress Report was prepared:

8/24/2022

Name of Plan:

Broward County Enhanced Local Mitigation Strategy (ELMS), 2017

City of Pompano Beach Stormwater Master Plan (SWMP), 2013

Date of Adoption of Plan:

ELMS - March 13, 2018

SWMP - 2013

5 Year CRS Expiration Date:

October 1, 2022

1. *How can a copy of the credited Plan be obtained?*

Broward County ELMS website:

https://www.broward.org/Emergency/Documents/Bc_ELMS_FINALSeptember2017updated1.pdf

Pompano Beach Stormwater Management Master Plan on City's website:

http://pompanobeachfl.gov/assets/docs/pages/flood_information/Pompano%20Beach%20SWMP%201-201-%20Overall%20Report.pdf

2. *Describe how **this annual progress report** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:*

This annual progress report was prepared under the supervision of Max Wemyss, CRS Coordinator. This report is released directly to the media and made available to the public on the city's website.

3. *Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:*

ELMS Projects:

- **Pompano Beach Public Works Building Replacement construction project**
Potential Funding Source: HMGP
Cost: \$ 5,100,000
Status: Project is on hold. City is evaluating funding resources.
- **Pompano Beach Record Storage Building construction project**
Potential Funding Source: HMGP, SHSGP
Cost: \$ 212,000
Status: This project was cancelled, as other alternatives were developed to meet the objective.
- **Pompano Beach Emergency Operations Center Generator Retrofit (Equipment Purchase)**
Potential Funding: HMGP, SHSGP
Cost: \$ 750,000
Status: This project has been expanded and is being funded through the City's General Obligation bond proceeds. The design phase is expected to be \$1.3 million and construction, which includes a parking garage, is estimated at \$15 million. The design phase has already gone out for bid. Update: Design is \$1.3M and construction costs estimates at 30% are coming in at \$27M; however, we are trying to reduce scope to bring this in line with available funds and the recently projected cost of \$21M. We have received DRC approval but may need to resubmit based on reduced scope to reduce construction costs.
- **Pompano Beach New Fire/Emergency Operations Center**
Potential Funding: HMGP, SHSGP
Cost: \$ 19,000,000
Status: This project has been expanded and is being funded through the City's General Obligation bond proceeds. The design phase is expected to be \$1.3 million and construction, which includes a parking garage, is estimated at \$15 million. The design phase has already gone out for bid.
- **Pompano Beach Manhole Inflow Protector**
Potential Funding Source: HMGP, GF
Cost: \$ 120,000
Status: Project awaits funding appropriation.

SWMP Projects:

- **Downtown Pompano Stormwater Master Plan Implementation Project:**
Design and construction of stormwater facilities in support of future redevelopment in the Downtown Transit Oriented Corridor/Innovation District.
Cost: \$ 3,520,000
Status: The RFP process to select a Master Developer for this project is underway and nearing completion. The stormwater concept for the district continues to evolve with the Master Plan.
- **Lyons Park Neighborhood:**
The Lyons Park Neighborhood Improvement Project includes a stormwater management system that will discharge into the existing drainage system and two new outfalls located to the south of McNab Road. This project will improve the drainage system within the Lyons Park Neighborhood. The sanitary sewer lines within the Lyons Park Neighborhood are located in the rear yard easements of the properties/homes. This project will relocate the sewers to the street's right-of-way. Some small sections of watermain will require relocation and these are primarily located in the swale areas of the neighborhood.
Cost: \$17,600,000
Status: Project is under construction with anticipated completion in spring of 2023.
- **Avondale Neighborhood:**
Identified as a priority drainage basin in need of stormwater system improvements. This project will help alleviate most of the flooding conditions.
Cost: \$ 3,290,000
Status: Completed.
- **Esquire Lake Neighborhood:**
Stormwater system improvement alternatives investigated for this study area include pipe size upgrades and exfiltration trenches.
Cost: \$ 2,764,709
Status: Completed.
- **Gateway Drive Area:** Public roadways in the study area have a limited existing stormwater system. This project will help alleviate flooding in the area.
Cost: \$3,417,000
Status: Completed.
- **Kendall Lake Neighborhood:**
The proposed improvements focus on reducing stormwater runoff flowing into Kendall Lake, which does not have an overflow connection.
Cost: \$ 2,974,000
Status: Design is complete. Anticipate advertising for construction in Fall of 2022.

- **US-1 & NE 14th Street Causeway:**
 This project will help alleviate flooding in the area.
 Cost: \$ 1,002,047
 Status: Project is currently at 40% design complete and currently unfunded. Seeking SRF funding.
- **NE 4th Street & NE 3rd Street:**
 The public right-of-way does not have an existing drainage system to address flooding issues.
 Cost: \$ 1,386,922
 Status: Project is currently at 100% design complete and SRF funding has been approved; Project has been solicited for bids and currently qualifying bidders.
- **Dixie Highway & McNab Road:**
 The existing FDOT drainage system serves only the right-of-way for Dixie Highway.
 Cost: \$ 52,167
 Status: Project is being funded with G. O. Bond proceedings. Construction is included in the 2019-23 CIP.
- **Bay Drive Neighborhood:**
 Flooding within neighborhood roadways.
 Cost: \$ 1,322,384
 Status: Project is currently at 100% design complete and construction services are being advertised at this time. Project is funded with Surtax monies.
- **N. Riverside Drive & NE 14th Causeway:**
 Due to the very low elevation of the study area, the flooding problems within the study area are directly influenced by the tidal fluctuations in the Intracoastal Waterway.
 Cost: \$ 1,284,298
 Status: Project on hold due to being incorporated into the Metropolitan Planning Organization N. Riverside Drive Streetscape Improvements.
- **Atlantic Blvd. & S. Riverside Drive:**
 This project is priority #13 in the Stormwater Master Plan.
 Cost: \$ 475,302 for design.
 Status: Project is currently at 60% design and currently unfunded. Seeking SRF funding.
- **NE 27th Avenue & NE 16th Street:**
 This project will improve the drainage in the NE 27th Avenue and NE 16th Street area.
 Cost: \$ 3,151,280
 Status: Project is currently at 40% design complete and currently unfunded. Seeking SRF funding.

- **Powerline Road & NW 33rd Street:**

There are no existing City drainage facilities within the study area. This project will improve the drainage in the area east of Powerline Road.

Cost: \$ 1,888,999

Status: Project listed in 2019-2023 CIP budget for design and construction in years 2021-22.
Not Started.

- **SE 28th Avenue south of Atlantic Blvd:**

This project will improve the drainage in the area.

Cost: \$ 750,654

Status: Project listed in 2019-2023 CIP budget for design and construction in years 2021-22.
Not Started.

- **NW 22nd Court:**

This project area with significant impervious ground coverage has heavy flooding problems.
This project will improve drainage in the area.

Cost: \$ 1,298,588

Status: Project listed in 2019-2023 CIP budget for design and construction in years 2021-22.
Not Started.

- **US-1 & SE 15th Street:**

The ground surface elevations within this area are very low, which creates some of the flooding problems. Some roadways in the area are without existing drainage facilities. This project will improve drainage in the area.

Cost: \$ 214,084 for design.

Status: Project listed in 2019-2023 CIP budget for design in 2022. Not Started.

- **NW 16th Lane:**

Project is located in portions of NW 16th Lane, portions of Copans Road, and portions of NW 17th Lane. This project will provide additional flood protection and water quality not currently available due to impervious ground coverage.

Cost: \$1,700,000.00

Status: Project listed in 2019-2023 CIP budget for design and construction in years 2022-2023.
Project is 90% design complete and seeking SRF funding.

4. *Discuss why any objectives were not reached or why implementation is behind schedule:*

All objectives have been met and/or are progressing as planned. Implementation of new projects are also progressing as planned, which align with available funding.

5. *What are the recommendations for new projects or revised recommendations?*

- **SF/Duplex stormwater management ordinance**
The City wants to evaluate the feasibility of changes to stormwater retention requirements and design guidelines for on-site retention and increased finished floor elevations for single-family and duplex parcels within the City.
- **Tideflex Valves:**
This project is to install check valves on tidal outfalls to prevent backflow of tide onto streets during extreme high tides, when tidal waters are higher than the roadway. Projects are to be ongoing with \$50,000 funded annually for construction in CIP.
- **Stormwater Masterplan Update**
The purpose of this Stormwater Master Plan is to identify any deficiencies in the existing stormwater management system and to recommend system improvements to alleviate flooding problems within public right of way areas throughout the study areas. The Stormwater Master Plan will allow the City of Pompano Beach to understand the necessary drainage improvements over the next few years and to budget accordingly.
- **Vulnerability Assessment**
The City will develop a Vulnerability Assessment that details the exposure of facilities, critical infrastructure, roadways, and neighborhoods to climate change stressors, including sea level rise, precipitation events, and groundwater table changes. This effort will serve as an addendum to the City's Stormwater Management Plan (SWMP), to include analyses of sea level rise, increased storm surge, and increased inundation flood impacts to the City's infrastructure. The project will incorporate socioeconomic metrics, such as low-income, senior and minority populations to analyze social vulnerability, and include community outreach via two public meetings. The Vulnerability Assessment will provide information needed to designate Adaptation Action Area (AAAs) and identify preliminary adaptation projects.