

# Project Fact Sheet

## North Bay Village Flood Mitigation Initiative



### PROJECT OVERVIEW

NBV's stormwater management system consists of old drainage structures, stormwater pumps/injection wells, and gravity storm drain pipes. Residents would benefit from different and improved tools and techniques that address flooding.

### PROJECT FUNDING

The funding for these projects is allocated yearly via the Village Capital Infrastructure Project Fund. Thanks to the efforts of the Mayor and Commission, NBV also obtained \$200,000 in Fiscal Year 2019-2020 from the State of Florida, and will continue to seek other grants and State allocations to reduce the project's impacts to taxpayers.

### ONGOING STORMWATER MAINTENANCE

- NBV Public Works (NBVPW) routinely checks and cleans debris and vegetation from storm drains and catch basins with a vacuum truck to allow for the floodwaters to recede via the Village's gravity storm drain outfall system and minimize water accumulation.
- NBVPW also routinely conducts curb street sweeping to prevent silt and debris from accumulating in our storm drains.



### HOW WE CAN ALL HELP TO REDUCE FLOODING

- Please help keep our streets clean, safe, and dry. Pick up litter and dispose of leaves and yard waste. Do not dump grass clippings, leaves, or branches into the storm drains.
- Participate in local garbage and debris pickup days and recycle household hazardous materials to prevent storm drain contamination. (NBV recycling events occur throughout the year.)
- Remember to always pick up after your pet and dispose of any waste in a nearby trash can. The Village has installed several trash cans to help remove litter from our streets.



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### VILLAGE-PLANNED FLOOD MITIGATION EFFORTS

The Village is developing the following flood-prevention projects to minimize flooding in the low-lying areas of North Bay Village:

#### **SHORT-TERM APPROACH** (anticipated over the next 5 fiscal years)

- Finish installation of tidal outfall discharge check valves to prevent street flooding from storm events or tidal waters backing up the storm drain system. To date, the Village has installed tidal discharge valves at 21 of 37 drainage outfalls.
- Repair and/or replace deficient drainage structures, gravity storm drain pipes, and outfall pipes.
- Rehabilitate/upgrade the existing stormwater pump station/injection wells at Treasure Island and North Bay Island, with the possibility of connecting to the pump stations/injection wells to the existing outfall storm drain gravity system. This would further ensure that the stormwater system is operating efficiently during rainfall events when street flooding is exacerbated during high tides.

#### **MID- TO LONG-TERM APPROACH** (anticipated over the next 5 to 30 years)

- Flooding can be caused by rain and storm surges that bring sea water onto the islands. Therefore, a robust storm water management system must go hand in hand with effective sea walls.
- Through the NBV100 Master Plan visioning process, NBV is partnering with EAC Engineering and the University of Miami to develop seawall standards that will incorporate advanced technologies and explore the best ways to increase marine life in Biscayne Bay (both flora and fauna), while protecting the area from sea level rise and storm surge.
- NBV is undertaking a stormwater master planning process that will protect private property, establish the foundations for long-term capital planning, improve water quality running into Biscayne Bay, and ensure our roads are navigable after heavy rains.

### FOR MORE INFORMATION

Please call 305-756-7171 and ask to speak with Public Works or email [ActionTeam@nbvillage.com](mailto:ActionTeam@nbvillage.com) with questions and comments.

