

STORMWATER MASTER PLAN

WHAT IS A STORMWATER SYSTEM?

A stormwater system is designed to direct, collect, and drain rainwater away from roads, buildings, and public areas to limit flooding in the event of rain and storms. It is composed of a series of interconnected infrastructure components. These include underground pipes, storm drain inlets, pump stations, and swales all working together to comprise the overall system.



WHAT ARE SOME OF THE CHALLENGES FACING NORTH BAY VILLAGE?

- ☀️ AGING SEAWALLS AND STORMWATER INFRASTRUCTURE
- ☀️ FREQUENT SUNNY-DAY FLOODING OCCURRENCES
- ☀️ POOR DRAINAGE AFTER NORMAL RAINFALL EVENTS CAUSING STANDING WATER
- ☀️ VULNERABLE TO RISING SEA LEVELS AND RISING GROUNDWATER
- ☀️ THREATS FROM INCREASING RAINFALL
- ☀️ THREATS FROM STRONGER HURRICANES SUCH AS STORM SURGES AND INLAND FLOODING

HOW CAN THE NBV STORMWATER MASTER PLAN ADDRESS THE CHALLENGES?

The Village is developing a Stormwater Master Plan to assess the existing stormwater infrastructure, evaluate current and future drainage conditions, determine allowable level of flooding, and identify improvements to address future rain, flood, and water quality concerns based on scientifically-backed projections and state-of-the-art modeling tools.

- Protect the Village's infrastructure
- Preserve and increase property values
- Improve the quality of stormwater discharges into the Biscayne Bay
- Improve NBV's ranking in the CRS program
- Increase overall community resilience consistent with the NBV100 Strategy
- Provide guidance in developing policies
- Engage the residents to be part of the master planning process