

TOWN OF SURFSIDE DRAINAGE IMPROVEMENT & FLOOD HAZARD MITIGATION PLAN



WHAT IS A STORMWATER SYSTEM?

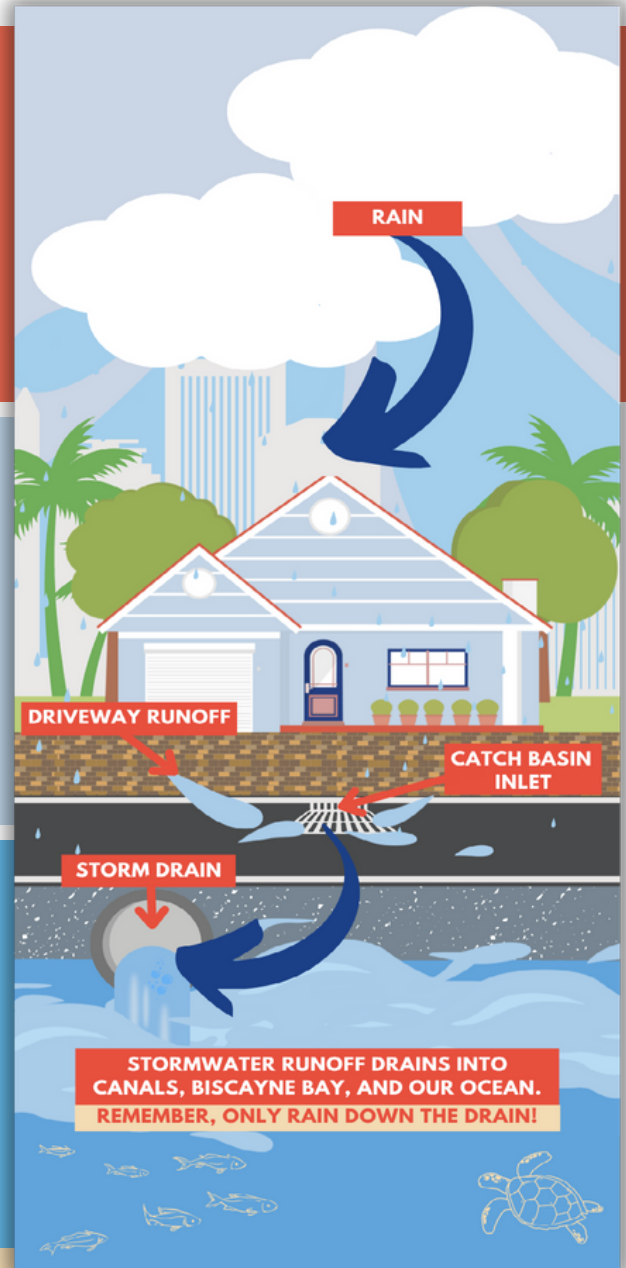
A stormwater system is designed to direct, collect, and drain rainwater away from roads, buildings, and public areas to prevent flooding in the event of rain and storms. It is composed of a series of interconnected infrastructure components leading the runoff to drain into the Biscayne Bay and Ocean.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

HOW WILL THIS PLAN ADDRESS THE PROBLEMS?

Drainage enhancement will help the Town achieve its goal of reducing risks from heavy rainfall, hurricanes, king tides and sea-level rise, particularly in areas known to be vulnerable to flooding. This plan will help the Town of Surfside prepare for future flooding and address current issues in the most cost effective way possible.

WHAT ARE SOME OF THE CURRENT CHALLENGES?

- Frequent sunny-day flooding occurrences
- Threats from increasing rainfall
- Aging seawalls and stormwater infrastructure
- Threats from stronger hurricanes such as storm surges and inland flooding
- Poor drainage after normal rainfall events causing standing water



WATER QUALITY

Storm drain water is not treated before flowing directly into Biscayne Bay or ocean and may pollute groundwater and affect our marine life, making it everyone's responsibility to make sure storm drains and waterways are free of pollutants.

TOWN RESILIENCE

Enhancement of the existing system is needed to mitigate flooding from heavy rainfall and to ensure the Town's resilience against storm surge and sea-level rise. This means protecting property values all throughout.

BENEFIT RESIDENTS

The upgraded system will benefit Surfside's residents, as well as the neighboring communities of Bal Harbour and Miami Beach, whose storm water systems are tied into Surfside's, improving the community's ranking in the CRS program.